

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
 Data File : BF111514.D
 Acq On : 16 Dec 2018 17:53
 Operator : JU/SJ
 Sample : J6391-03MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS015-0612-01MSD

Manual Integrations
 APPROVED

Sohil
 12/17/2018 11:19:51 AM

Quant Time: Dec 17 07:24:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	159965	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	896452	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	350172	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	487594	20.00	ng	0.00
76) Chrysene-d12	13.96	240	406625	20.00	ng	0.00
87) Perylene-d12	15.39	264	293350	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1066828	110.98	ng	0.00
7) Phenol-d6	6.45	99	1358006	106.20	ng	0.00
23) Nitrobenzene-d5	7.36	82	1176865	78.18	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	260141	82.93	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1740094	76.76	ng	0.00
79) Terphenyl-d14	12.90	244	1094344	63.20	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	158646	34.170	ng	97
3) Pyridine	3.29	79	138035	11.838	ng	91
4) n-Nitrosodimethylamine	3.19	42	238854	45.096	ng	89
6) Aniline	6.46	93	106041	6.686	ng	# 1
8) 2-Chlorophenol	6.59	128	445111	38.753	ng	92
9) Benzaldehyde	6.33	77	137022	17.667	ng	96
10) Phenol	6.46	94	595102	41.778	ng	97
11) bis(2-Chloroethyl)ether	6.53	93	414090	37.084	ng	99
12) 1,3-Dichlorobenzene	6.73	146	469157	37.106	ng	97
13) 1,4-Dichlorobenzene	6.81	146	477780	37.229	ng	99
14) 1,2-Dichlorobenzene	6.96	146	453778	37.585	ng	99
15) Benzyl Alcohol	6.93	79	368376	37.862	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.07	45	1070586	49.104	ng	88
17) 2-Methylphenol	7.06	107	446219	48.272	ng	94
18) Hexachloroethane	7.30	117	223530	46.802	ng	95
19) n-Nitroso-di-n-propylamine	7.21	70	421516	49.966	ng	99
20) 3+4-Methylphenols	7.21	107	615979	53.123	ng	# 69
22) Acetophenone	7.20	105	847422	42.346	ng	# 85
24) Nitrobenzene	7.37	77	622298	40.523	ng	92
25) Isophorone	7.62	82	1130943	44.400	ng	99
26) 2-Nitrophenol	7.69	139	295164	37.062	ng	90
27) 2,4-Dimethylphenol	7.73	122	534482	46.293	ng	98
28) bis(2-Chloroethoxy)methane	7.82	93	758125	43.114	ng	98
29) 2,4-Dichlorophenol	7.94	162	476391	38.652	ng	98
30) 1,2,4-Trichlorobenzene	8.02	180	499355	38.703	ng	99
31) Naphthalene	8.10	128	1711549	40.820	ng	97
32) Benzoic acid	7.84	122	215760m	21.625	ng	
33) 4-Chloroaniline	8.15	127	148102	7.943	ng	95
34) Hexachlorobutadiene	8.22	225	257058	36.163	ng	97
35) Caprolactam	8.51	113	110900	24.235	ng	99
36) 4-Chloro-3-methylphenol	8.63	107	469969	34.642	ng	100
37) 2-Methylnaphthalene	8.79	142	1110051	39.124	ng	98
38) 1-Methylnaphthalene	8.89	142	1035980	37.796	ng	97
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	437174	45.524	ng	98

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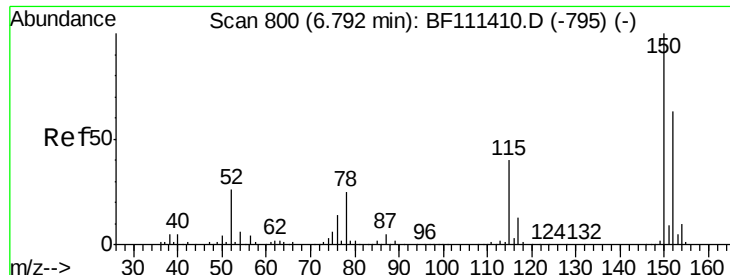
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	95059	19.280	nq	95
43) 2,4,6-Trichlorophenol	9.07	196	275070	40.471	nq	99
44) 2,4,5-Trichlorophenol	9.12	196	277000	38.299	nq	95
46) 1,1'-Biphenyl	9.25	154	1260299	42.476	nq	94
47) 2-Chloronaphthalene	9.27	162	949399	42.096	nq	95
48) 2-Nitroaniline	9.37	65	292842	39.990	nq	93
49) Acenaphthylene	9.69	152	1404467	41.953	nq	95
50) Dimethylphthalate	9.55	163	1155870	45.834	nq	99
51) 2,6-Dinitrotoluene	9.61	165	221821	39.077	nq	93
52) Acenaphthene	9.86	154	809809	38.273	nq	98
53) 3-Nitroaniline	9.77	138	148940	21.602	nq	96
54) 2,4-Dinitrophenol	9.89	184	6782	3.140	nq	# 74
55) Dibenzofuran	10.03	168	1196047	38.943	nq	94
56) 4-Nitrophenol	9.96	139	297787	62.409	nq	92
57) 2,4-Dinitrotoluene	10.01	165	266471	35.766	nq	97
58) Fluorene	10.37	166	868763	38.998	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.16	232	188762	33.404	nq	96
60) Diethylphthalate	10.25	149	966781	37.846	nq	99
61) 4-Chlorophenyl-phenylether	10.37	204	401256	36.815	nq	96
62) 4-Nitroaniline	10.39	138	168587	24.700	nq	92
63) Azobenzene	10.53	77	884416	35.118	nq	96
65) 4,6-Dinitro-2-methylphenol	10.42	198	8711	3.165	nq	93
66) n-Nitrosodiphenylamine	10.49	169	754742	44.886	nq	97
67) 4-Bromophenyl-phenylether	10.86	248	223098	42.452	nq	96
68) Hexachlorobenzene	10.93	284	246555	45.609	nq	95
69) Atrazine	11.02	200	208045	42.813	nq	98
70) Pentachlorophenol	11.12	266	232551	70.137	nq	98
71) Phenanthrene	11.33	178	1100421	43.798	nq	94
72) Anthracene	11.39	178	1112075	43.280	nq	95
73) Carbazole	11.54	167	1035680	38.978	nq	93
74) Di-n-butylphthalate	11.87	149	1271026	42.952	nq	97
75) Fluoranthene	12.53	202	1096734	44.620	nq	97
77) Benzidine	12.66	184	5017	0.336	nq	# 1
78) Pyrene	12.75	202	1105586	38.565	nq	96
80) Butylbenzylphthalate	13.37	149	486484	34.814	nq	99
81) Benzo(a)anthracene	13.94	228	925512	41.860	nq	99
82) 3,3'-Dichlorobenzidine	13.90	252	38862	4.324	nq	# 93
83) Chrysene	13.98	228	842534	36.174	nq	96
84) Bis(2-ethylhexyl)phthalate	13.94	149	737812	41.338	nq	99
85) Di-n-octyl phthalate	14.55	149	1292934	42.947	nq	96
86) Indeno(1,2,3-cd)pyrene	16.82	276	603043	35.874	nq	97
88) Benzo(b)fluoranthene	14.98	252	745988	43.618	nq	99
89) Benzo(k)fluoranthene	15.01	252	730513	44.702	nq	98
90) Benzo(a)pyrene	15.33	252	654906	42.464	nq	98
91) Dibenzo(a,h)anthracene	16.83	278	506586	41.640	nq	98
92) Benzo(g,h,i)perylene	17.24	276	503822	42.190	nq	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

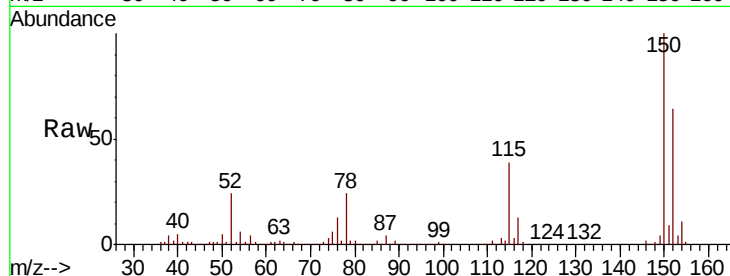
ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion:	152	Resp:	159965
Ion Ratio	Lower	Upper	
152	100		
150	156.5	126.6	189.8
115	60.5	50.7	76.1

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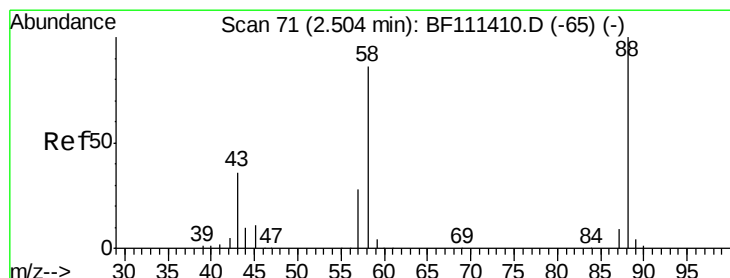
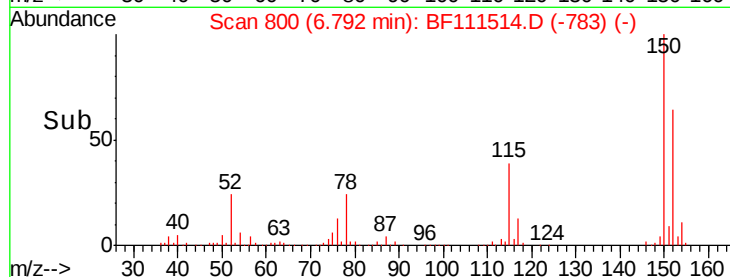
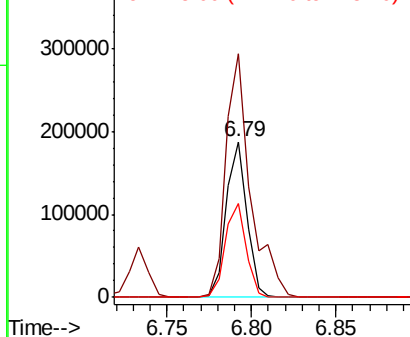


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 34.170 ng

RT: 2.53 min Scan# 75

Delta R.T. 0.02 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

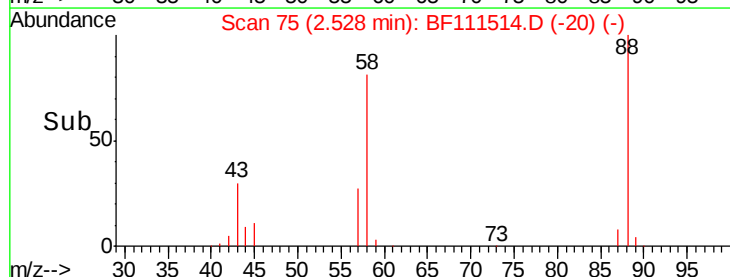
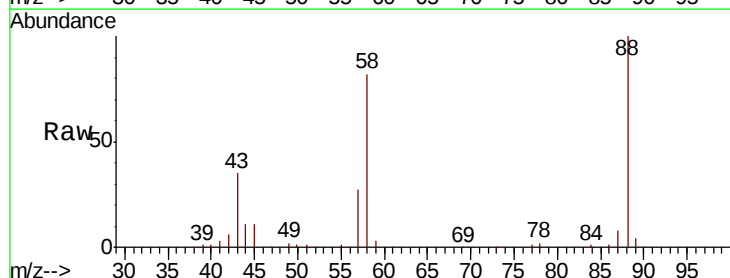
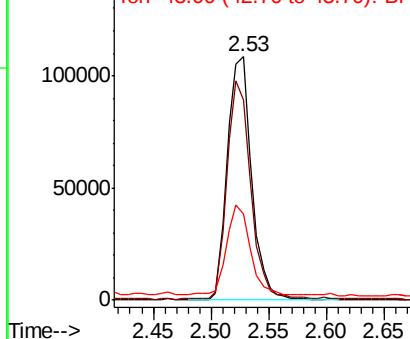
Tgt Ion:	88	Resp:	158646
Ion Ratio	Lower	Upper	
88	100		
58	87.4	68.9	103.3
43	36.1	25.8	38.6

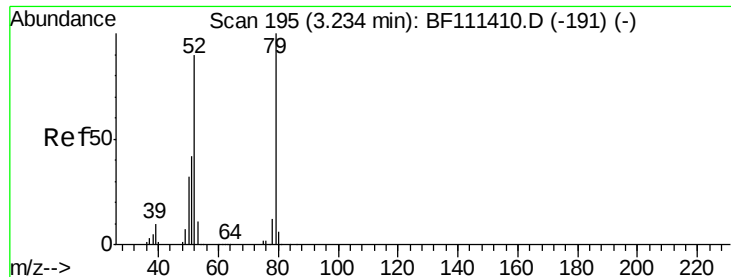
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 11.838 ng

RT: 3.29 min Scan# 204

Delta R.T. 0.05 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

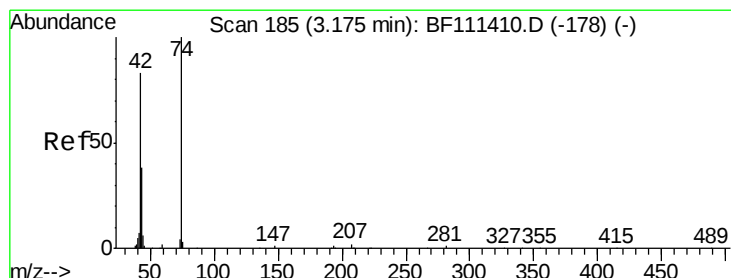
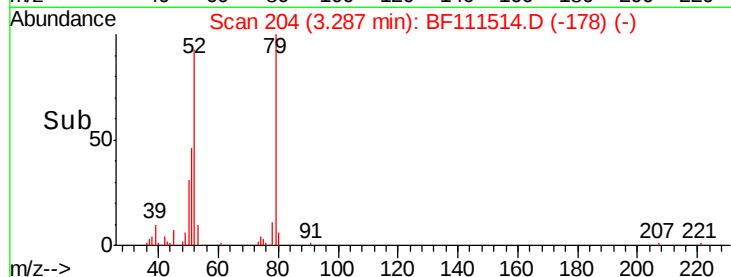
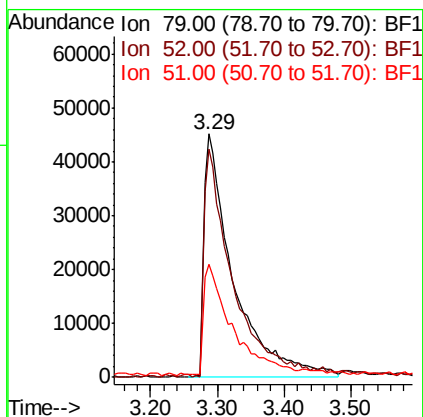
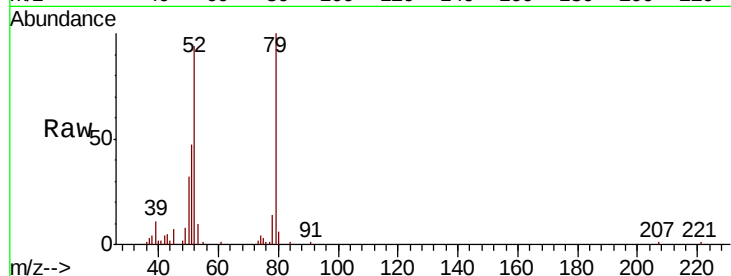
ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion:	79	Resp:	138035
Ion Ratio	Lower	Upper	
79	100		
52	93.8	68.3	102.5
51	46.7	32.6	49.0

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#4

n-Nitrosodimethylamine

Concen: 45.096 ng

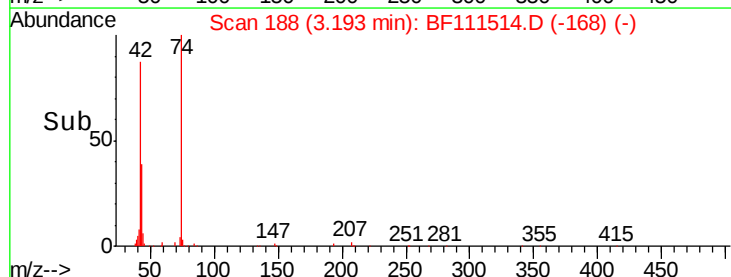
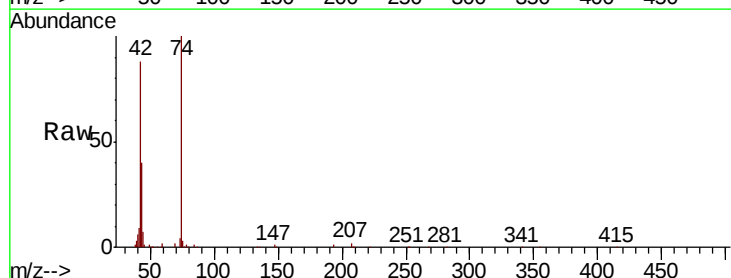
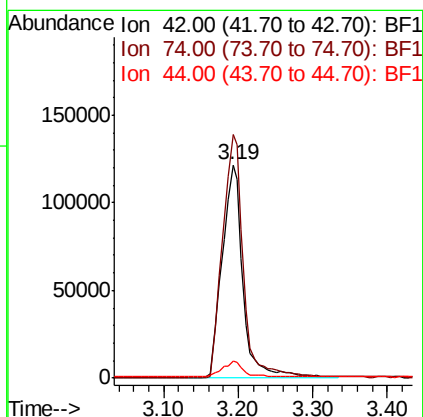
RT: 3.19 min Scan# 188

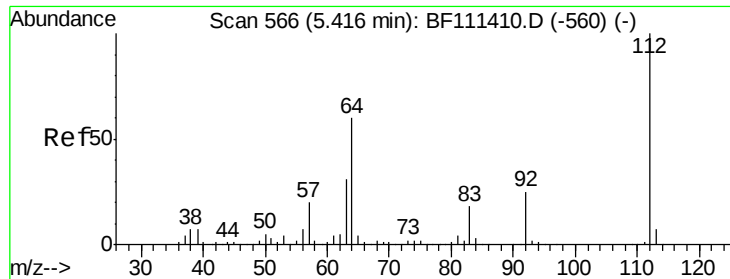
Delta R.T. 0.02 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Tgt Ion:	42	Resp:	238854
Ion Ratio	Lower	Upper	
42	100		
74	114.1	101.5	152.3
44	8.0	6.0	9.0





#5

2-Fluorophenol

Concen: 110.978 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

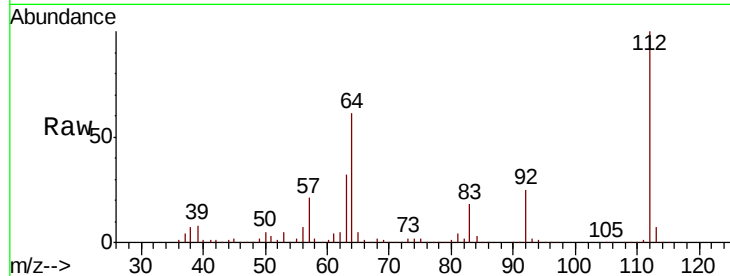
ClientSampleId :

P001-SS015-0612-01MSD

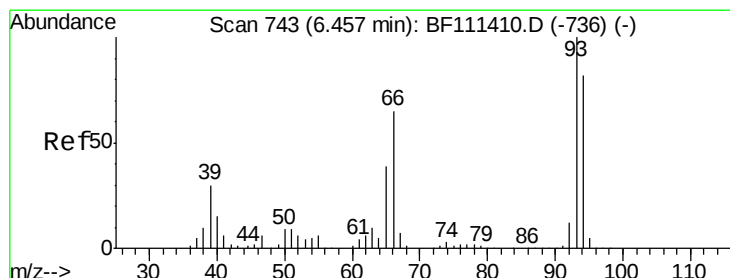
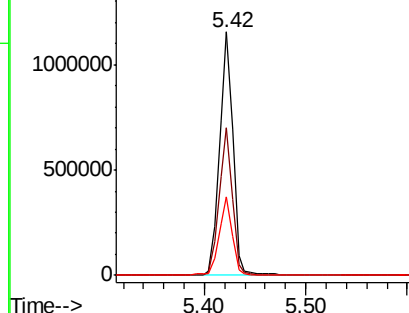
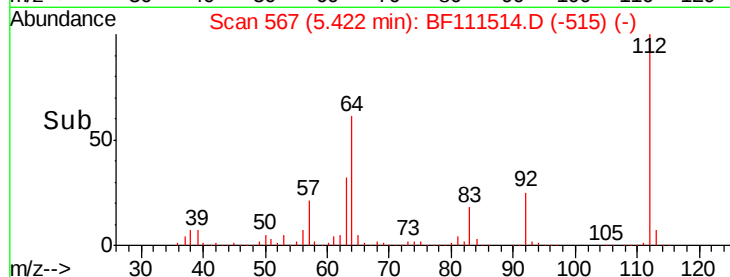
Tot Ion:	112	Resp:	1066828
Ion Ratio	Lower	Upper	
112	100		
64	60.8	51.8	77.6
63	32.2	26.8	40.2

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Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 6.686 ng

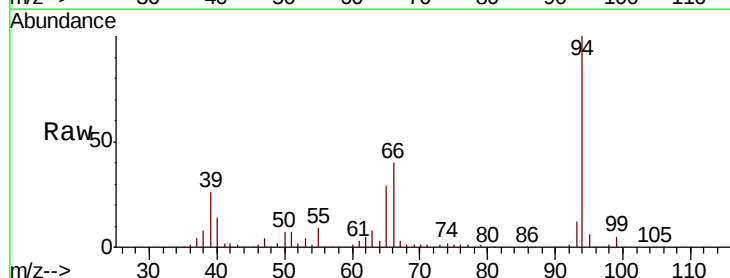
RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

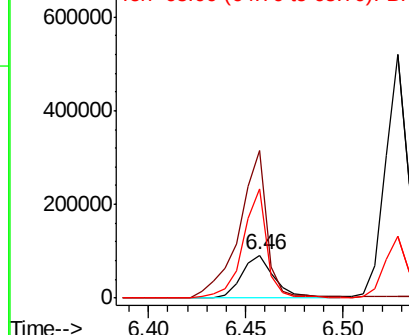
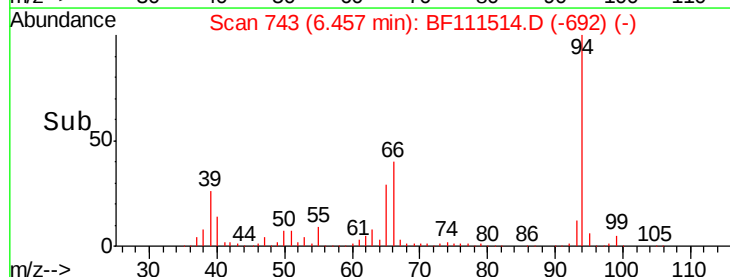
Lab File: BF111514.D

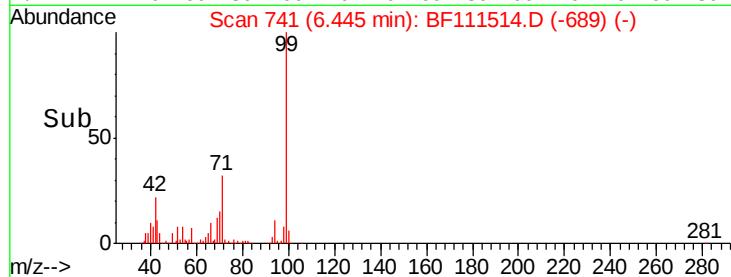
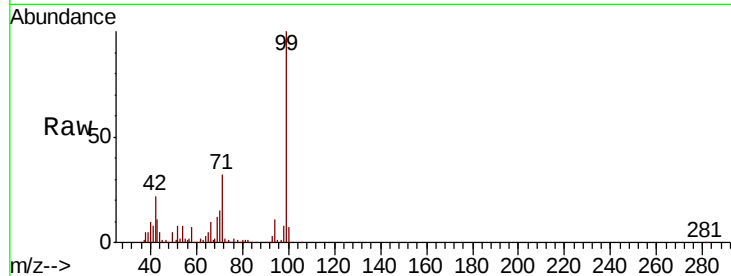
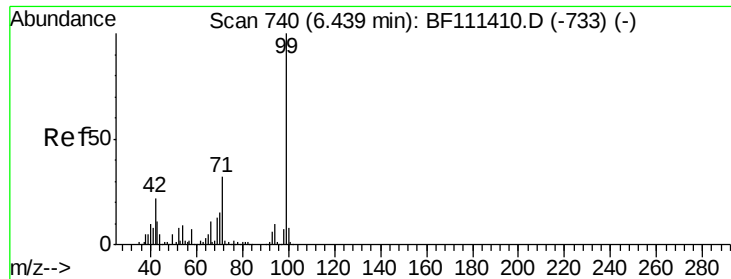
Acq: 16 Dec 2018 17:53

Tgt Ion:	93	Resp:	106041
Ion Ratio	Lower	Upper	
93	100		
66	344.9	33.2	49.8#
65	254.1	17.0	25.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 106.203 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Tot Ion:	99	Resp:	1358006
Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.4	26.0
71	31.9	26.1	39.1

Instrument :

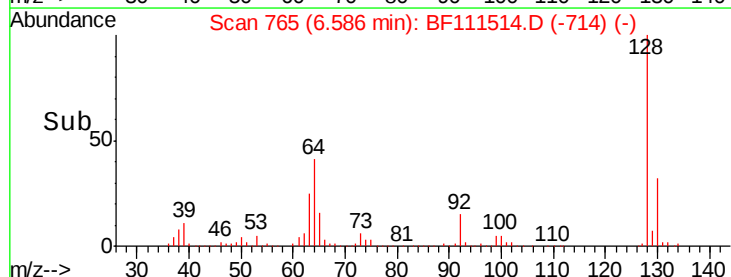
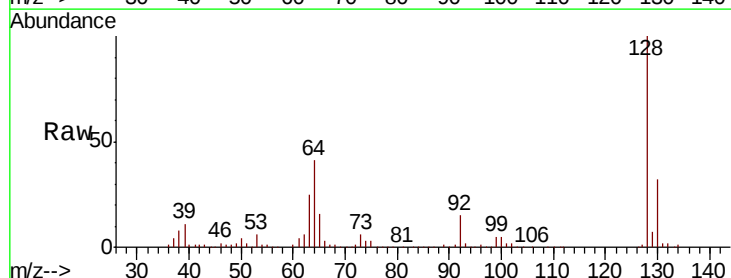
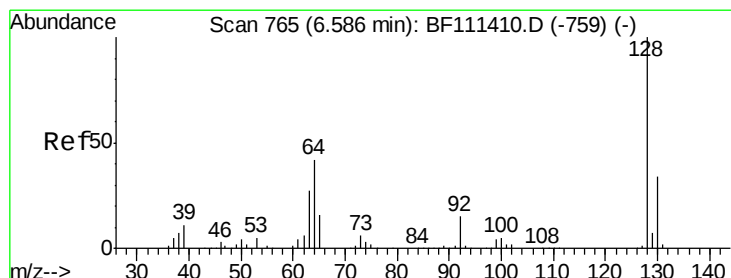
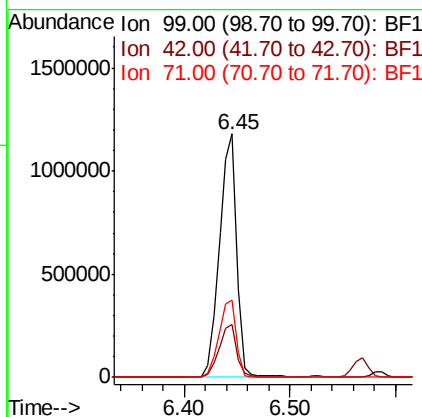
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#8

2-Chlorophenol

Concen: 38.753 ng

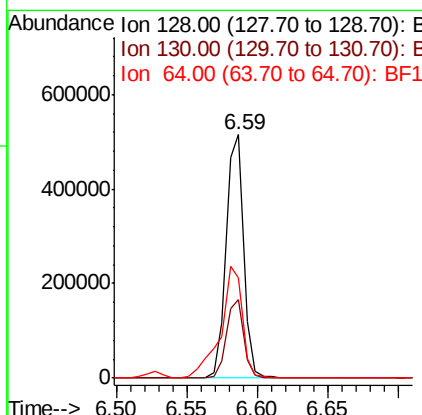
RT: 6.59 min Scan# 765

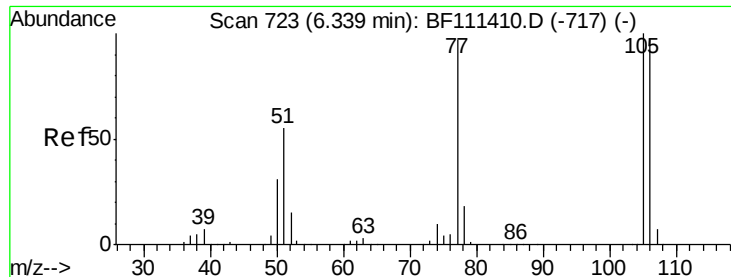
Delta R.T. 0.00 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Tgt Ion:	128	Resp:	445111
Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.7	52.7
64	41.0	30.0	70.0





#9

Benzaldehyde

Concen: 17.667 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

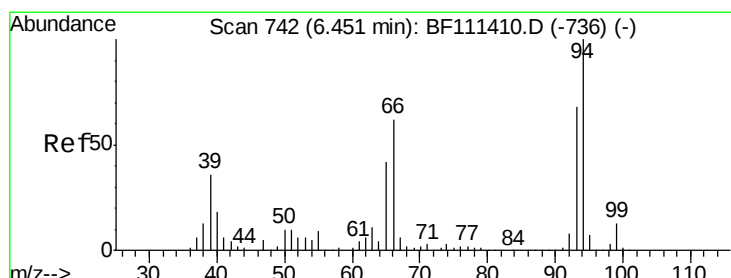
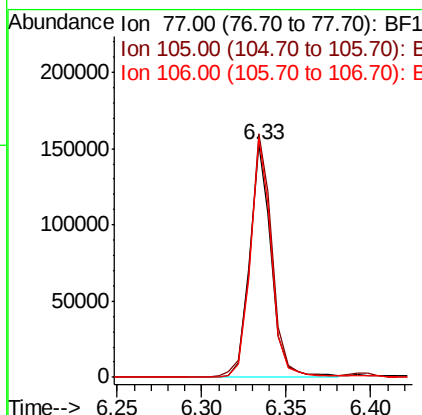
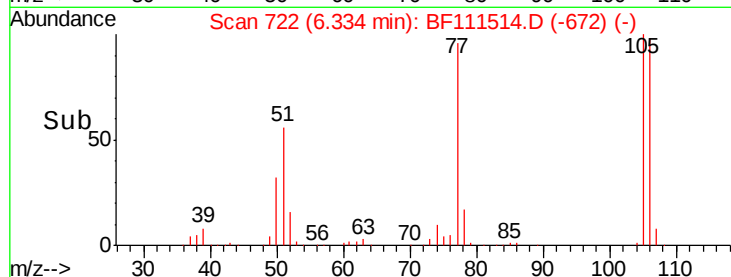
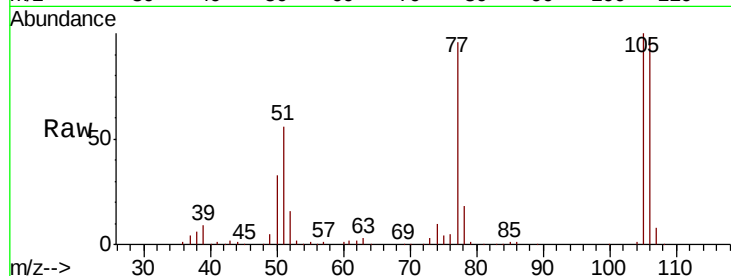
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Tot Ion:	77	Resp:	137022
Ion Ratio	Lower	Upper	
77	100		
105	104.4	81.4	121.4
106	102.7	77.9	117.9

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#10

Phenol

Concen: 41.778 ng

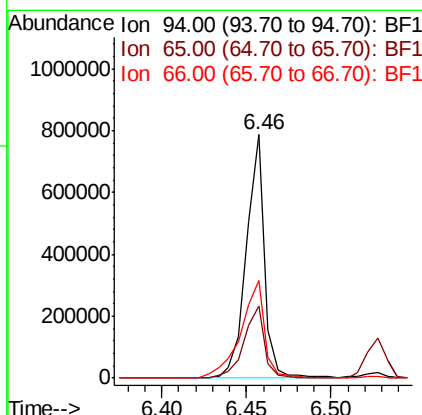
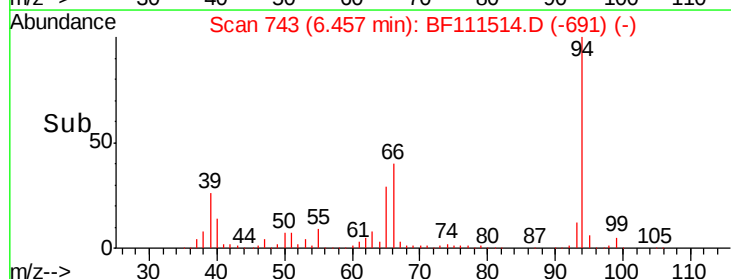
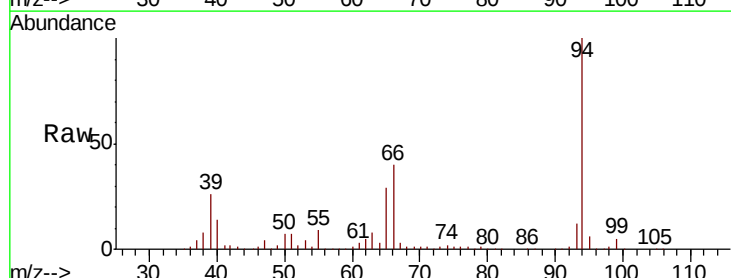
RT: 6.46 min Scan# 743

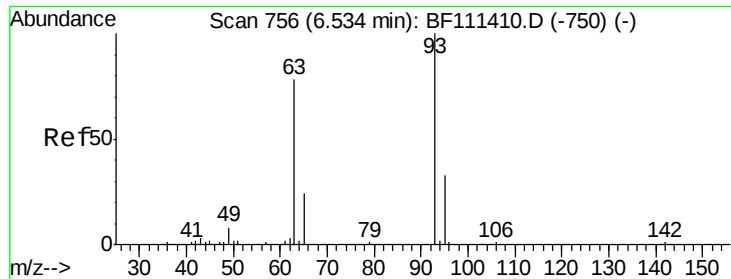
Delta R.T. 0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Tgt Ion:	94	Resp:	595102
Ion Ratio	Lower	Upper	
94	100		
65	29.5	11.7	51.7
66	40.0	21.0	61.0





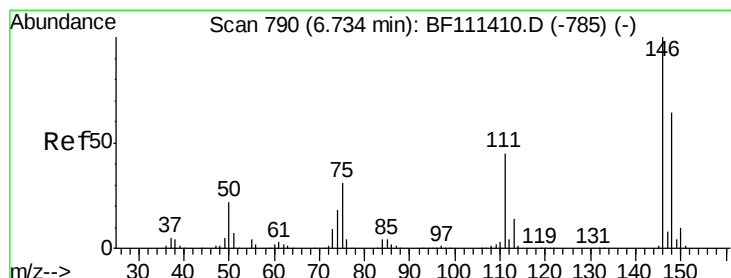
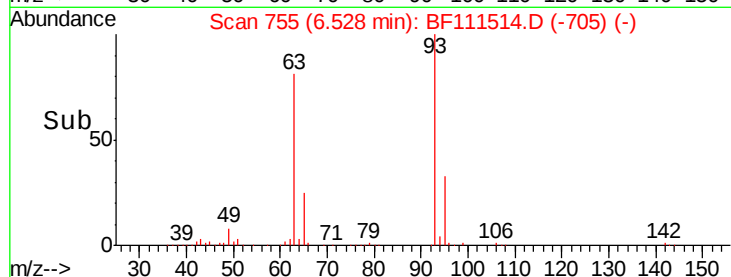
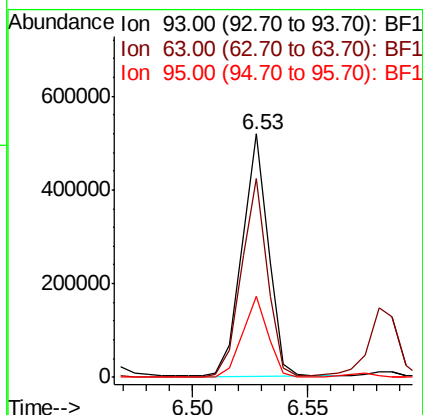
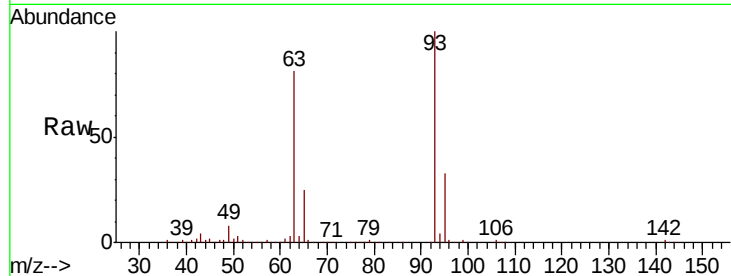
#11
bis(2-Chloroethyl)ether
Concen: 37.084 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		414090		
63	81.4	60.0	100.0		
95	33.1	13.4	53.4		

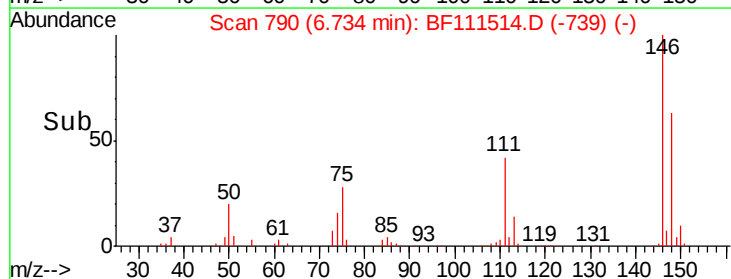
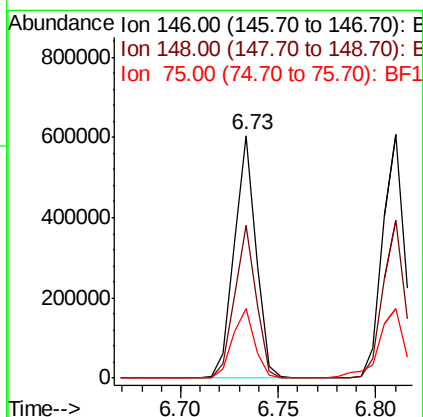
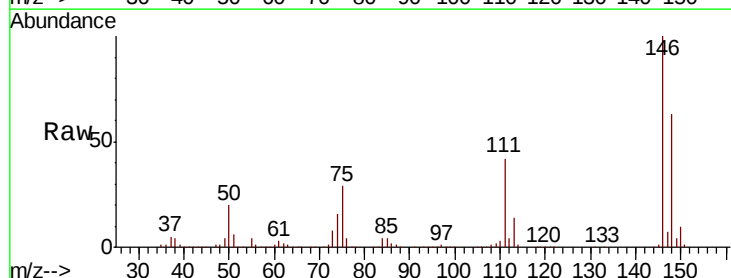
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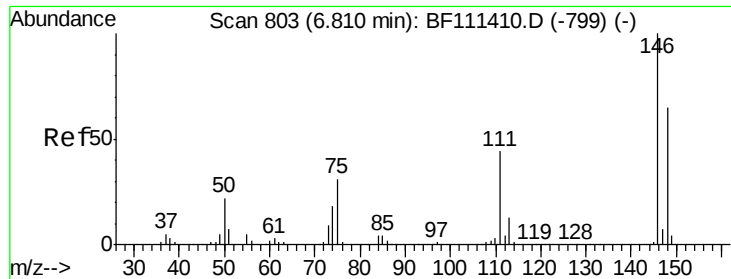
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#12
1,3-Dichlorobenzene
Concen: 37.106 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		469157		
148	63.0	52.1	78.1		
75	28.6	23.9	35.9		





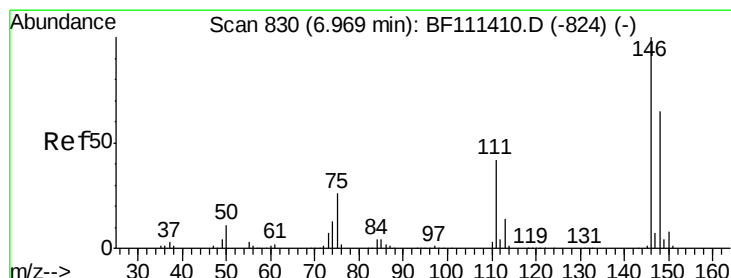
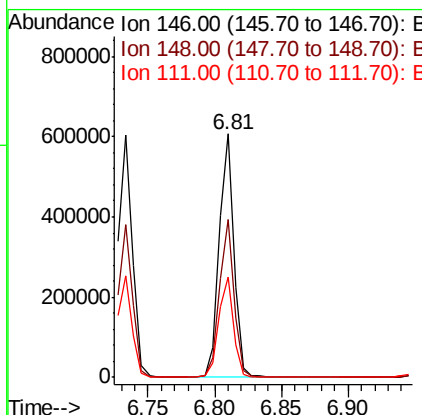
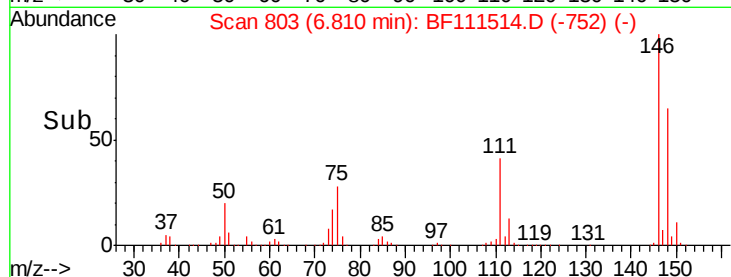
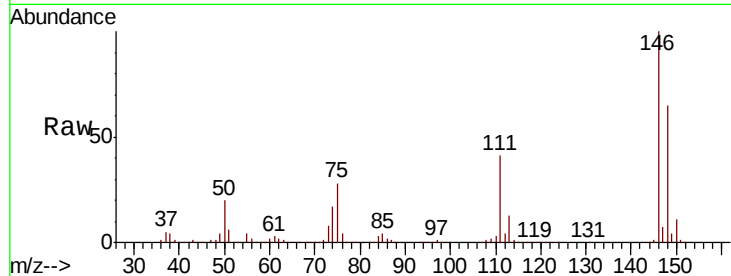
#13
 1,4-Dichlorobenzene
 Concen: 37.229 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.8	79.2
111	41.4	33.4	50.0

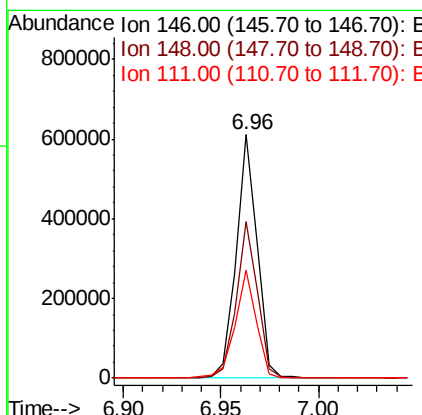
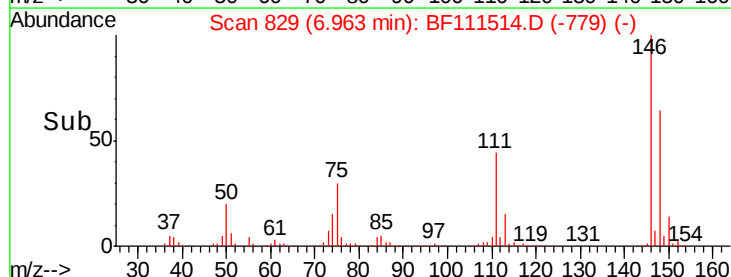
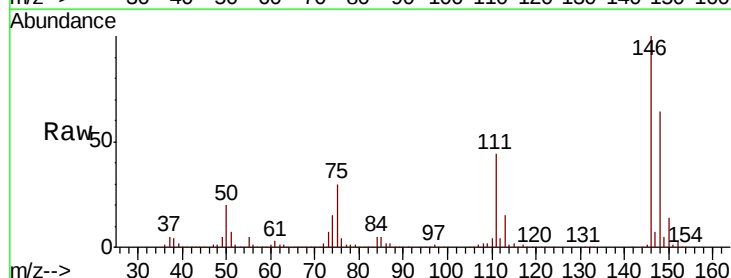
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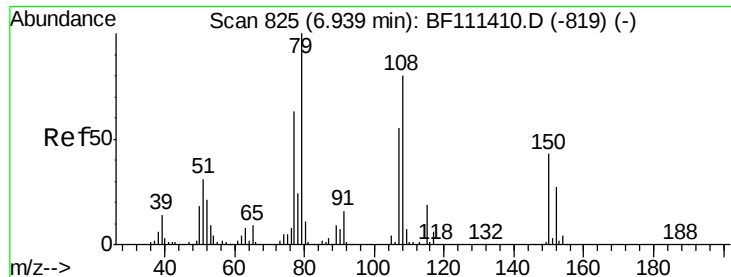
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#14
 1,2-Dichlorobenzene
 Concen: 37.585 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
111	44.2	36.2	54.4





#15

Benzyl Alcohol

Concen: 37.862 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

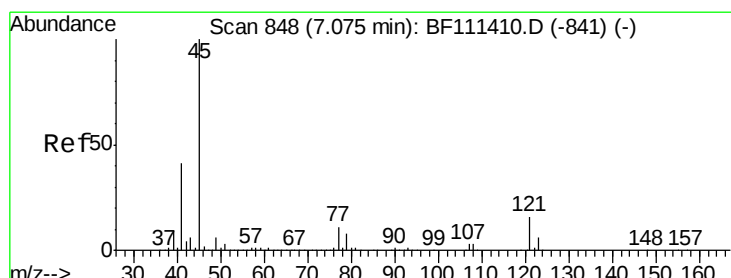
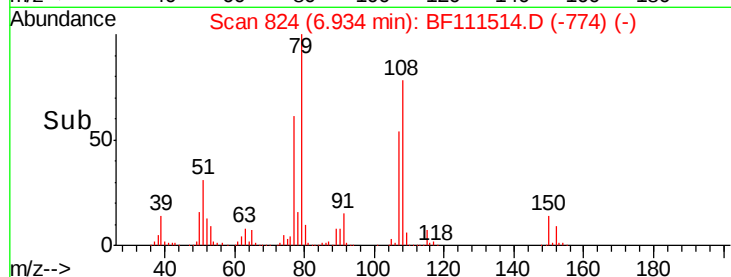
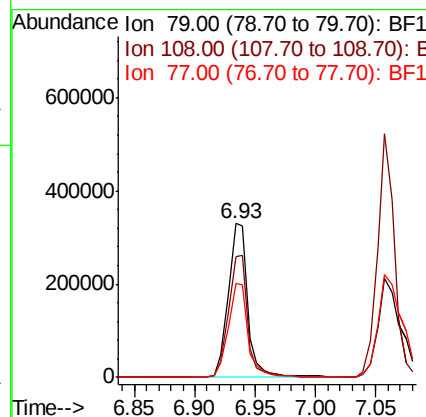
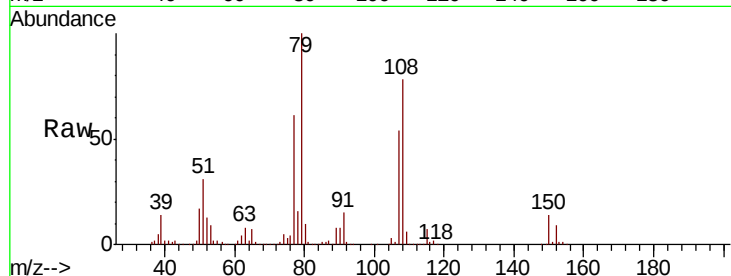
ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion:	79	Resp:	368376
Ion Ratio	Lower	Upper	
79	100		
108	78.3	69.4	104.2
77	61.2	49.7	74.5

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#16

2,2'-oxybis(1-chloropropane)

Concen: 49.104 ng

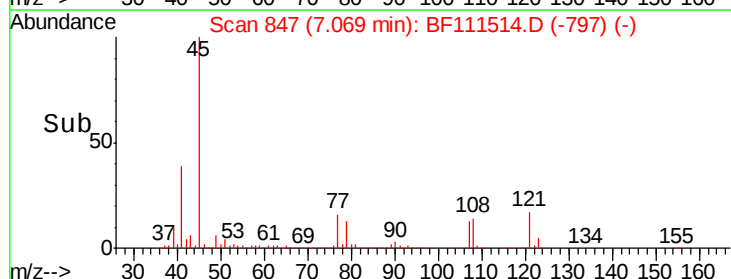
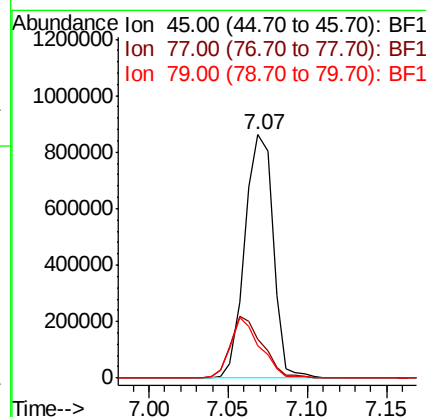
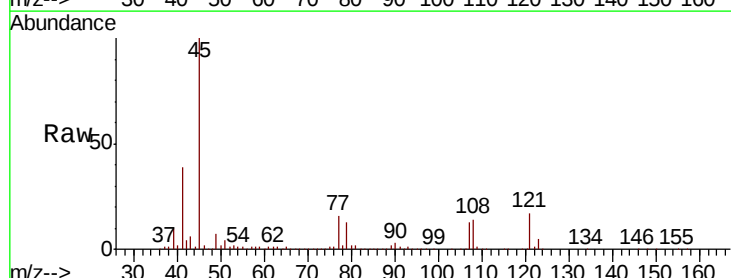
RT: 7.07 min Scan# 847

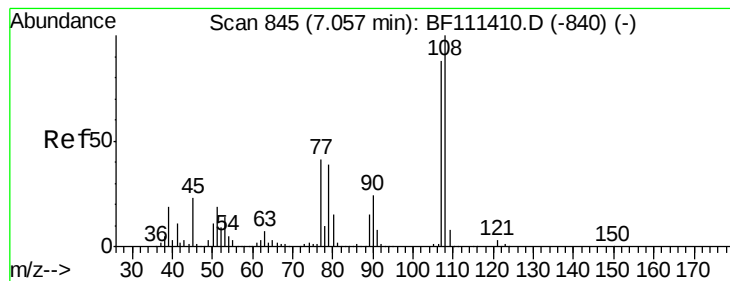
Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Tgt Ion:	45	Resp:	1070586
Ion Ratio	Lower	Upper	
45	100		
77	15.9	0.0	31.5
79	13.3	0.0	28.9





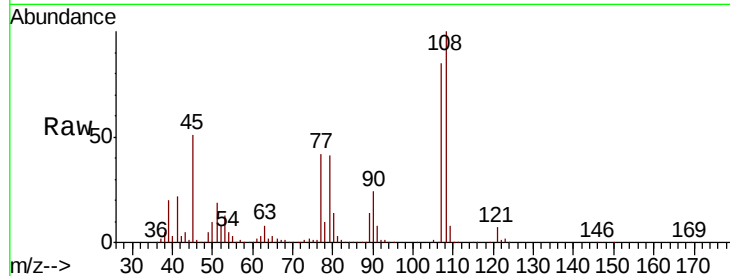
#17
2-Methylphenol
Concen: 48.272 ng
RT: 7.06 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

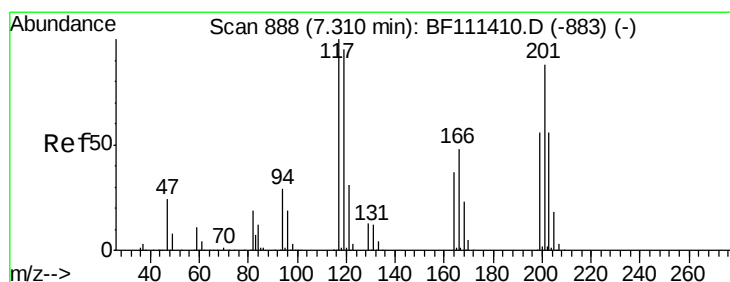
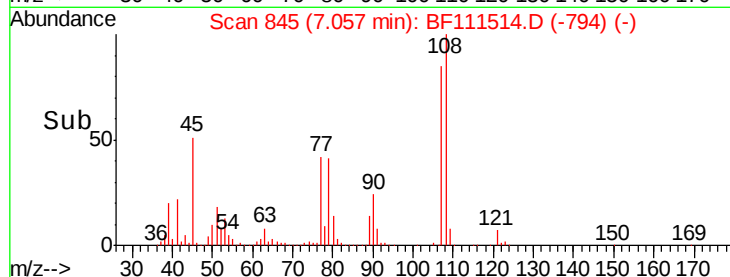
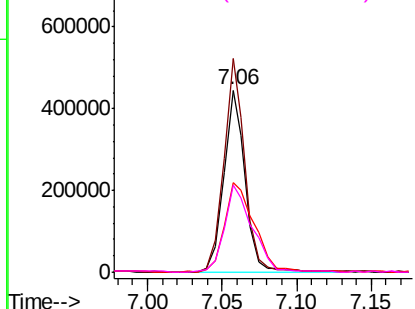
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	117.1	91.0	136.4	
77	49.4	33.5	50.3	
79	47.8	33.3	49.9	

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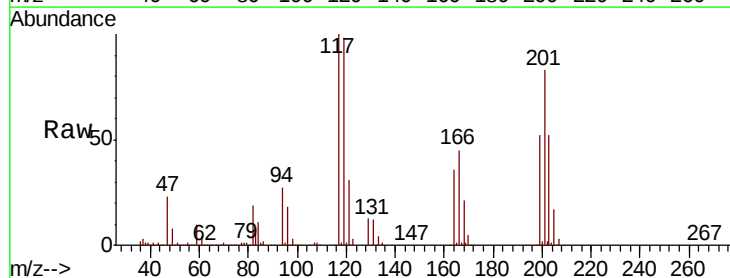


Abundance Ion 107.00 (106.70 to 107.70): E
800000 Ion 108.00 (107.70 to 108.70): E
600000 Ion 77.00 (76.70 to 77.70): BF1
400000 Ion 79.00 (78.70 to 79.70): BF1
200000
0

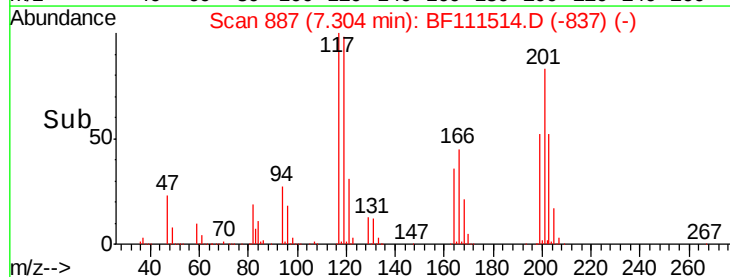
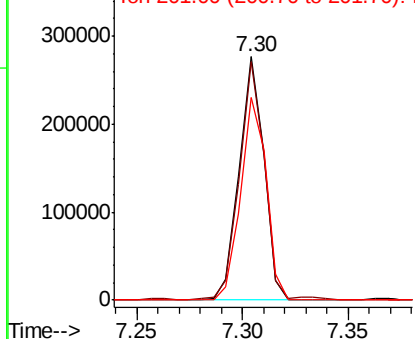


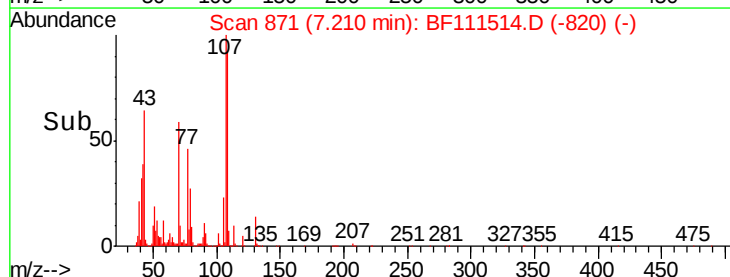
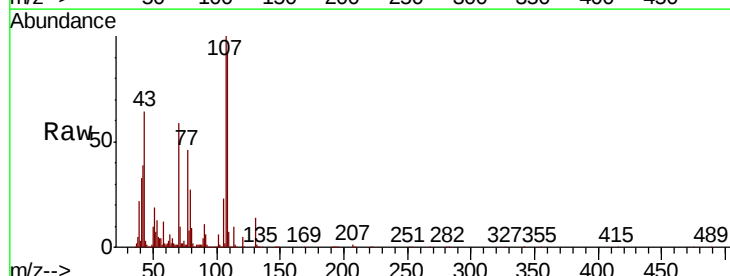
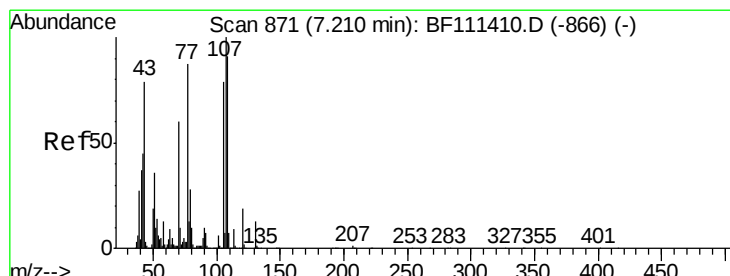
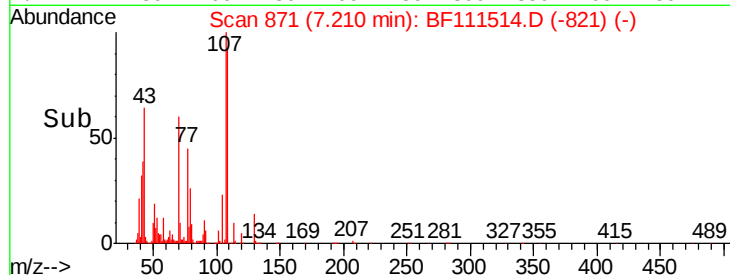
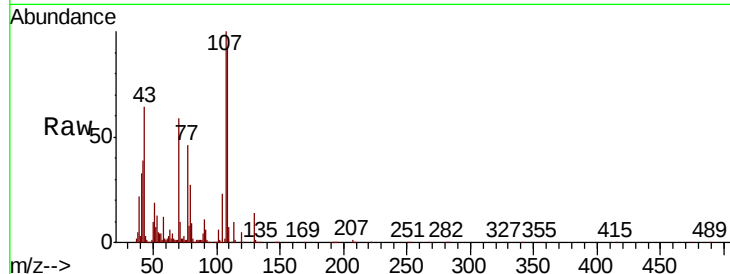
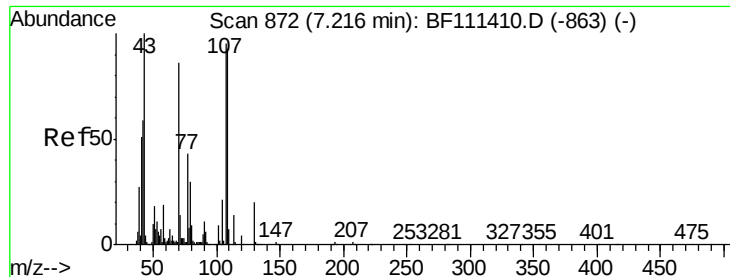
#18
Hexachloroethane
Concen: 46.802 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.8	75.4	113.0	
201	83.4	62.4	93.6	



Abundance Ion 117.00 (116.70 to 117.70): E
300000 Ion 119.00 (118.70 to 119.70): E
200000 Ion 201.00 (200.70 to 201.70): E
100000
0





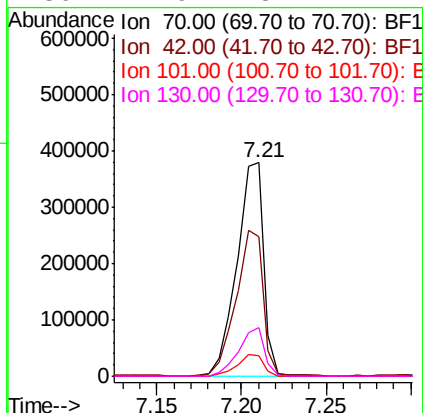
#19
n-Nitroso-di-n-propylamine
Concen: 49.966 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	65.4	53.2	79.8
101	9.6	8.2	12.4
130	22.9	18.1	27.1

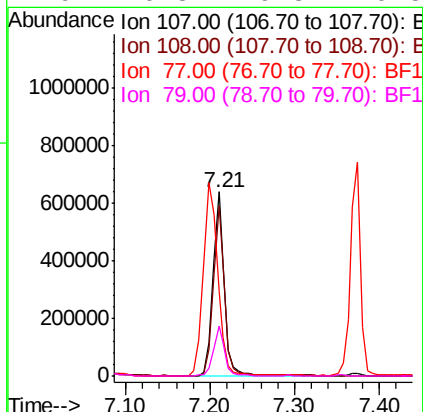
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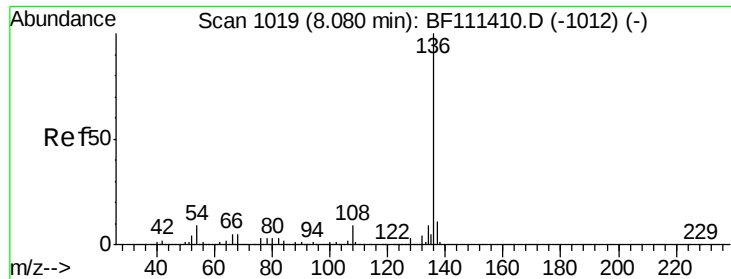
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#20
3+4-Methylphenols
Concen: 53.123 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.2	72.1	112.1
77	45.7	94.1	134.1#
79	26.8	9.8	49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

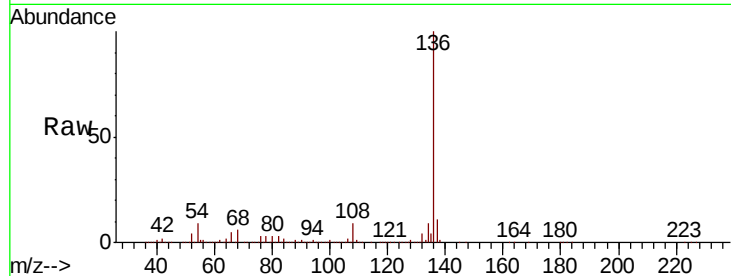
ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	896452		
137	10.9		9.1	13.7
54	8.8		7.7	11.5
68	5.7		4.9	7.3

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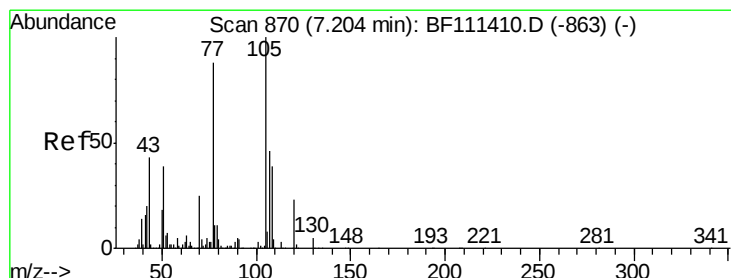
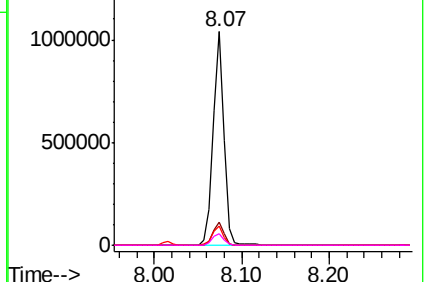
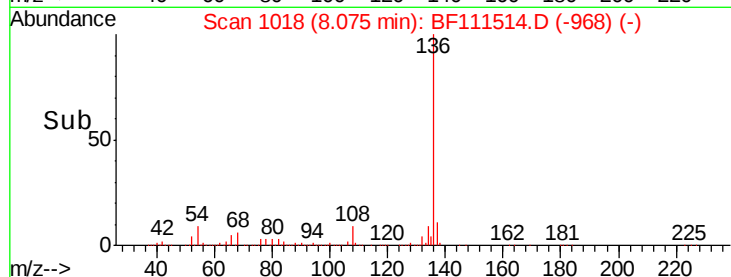
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 42.346 ng

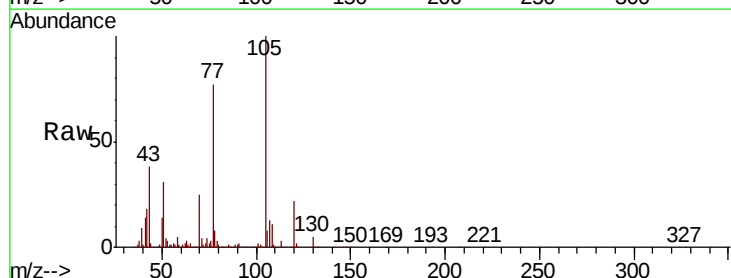
RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	847422		
71	4.5		3.1	4.7
51	30.9		36.6	54.8#
120	21.9		18.2	27.4



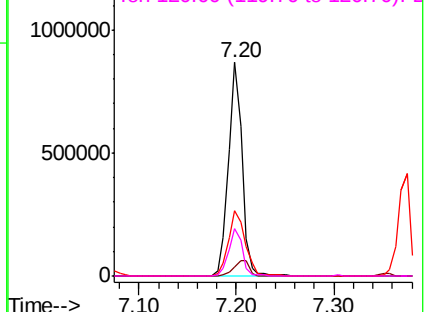
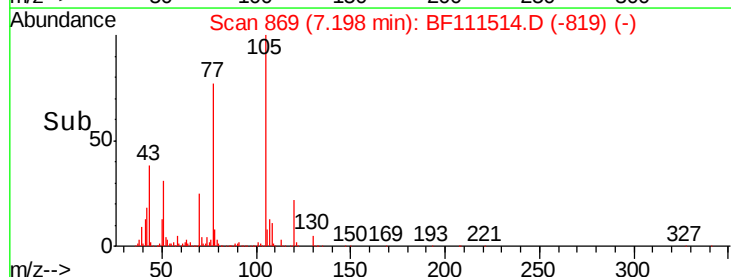
Abundance

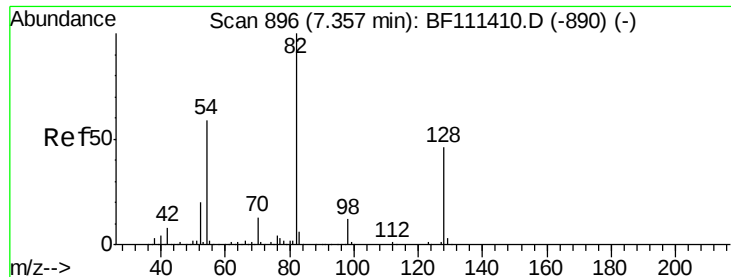
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





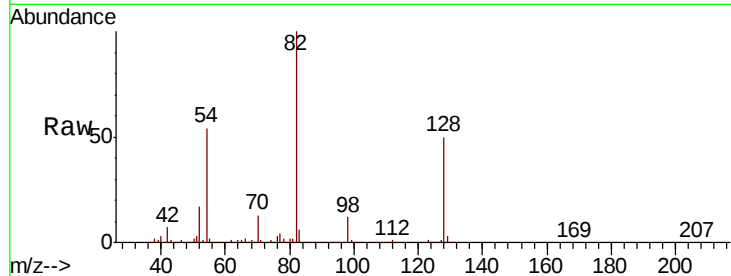
#23
 Nitrobenzene-d5
 Concen: 78.176 ng
 RT: 7.36 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS015-0612-01MSD

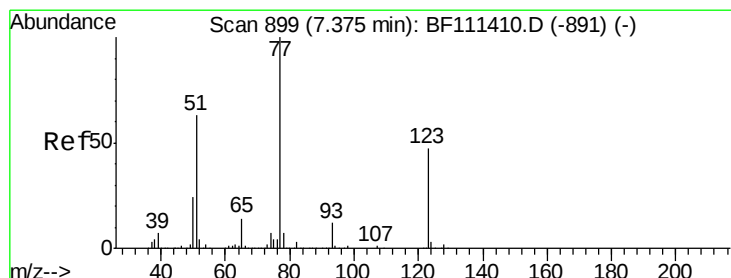
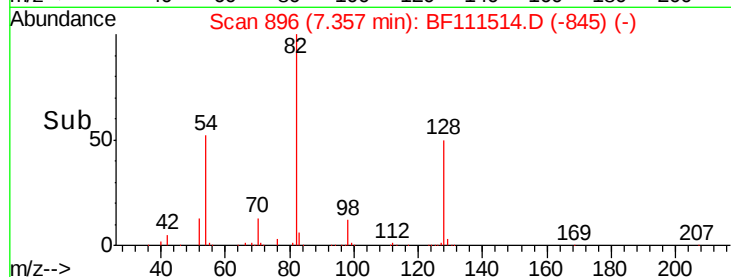
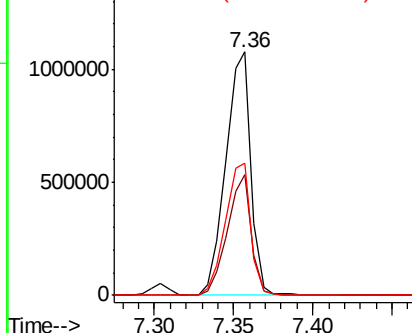
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.6	37.4	56.2
54	54.4	47.6	71.4

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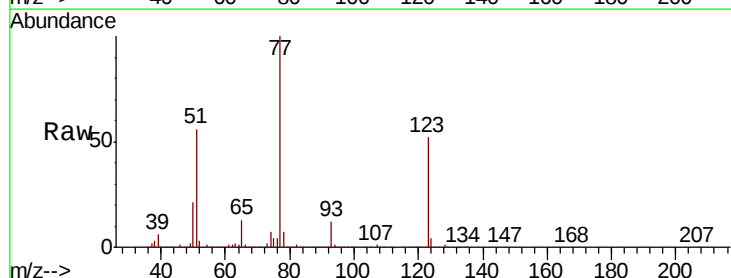


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

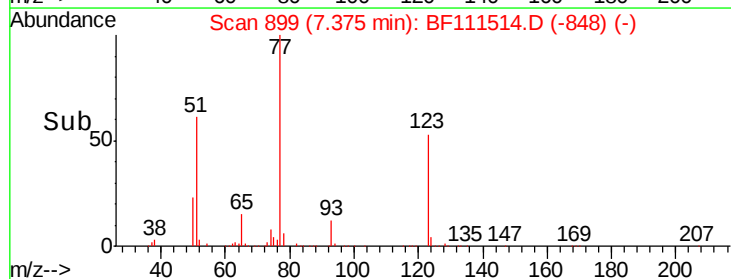
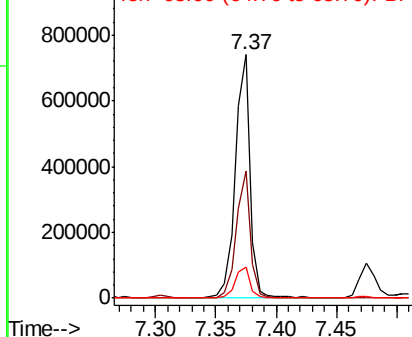


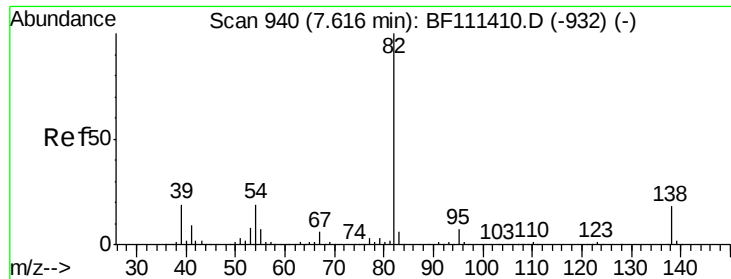
#24
 Nitrobenzene
 Concen: 40.523 ng
 RT: 7.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
77	100		
123	52.4	37.2	55.8
65	12.9	11.5	17.3



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 44.400 ng

RT: 7.62 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion: 82 Resp: 1130943

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.2

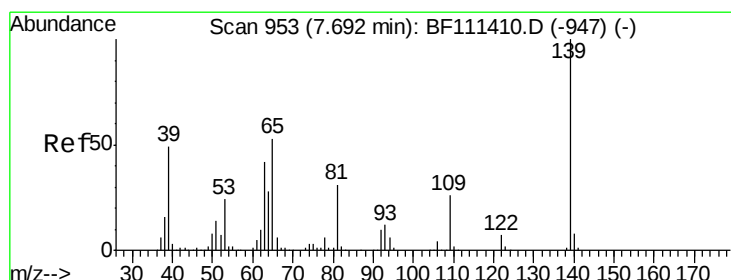
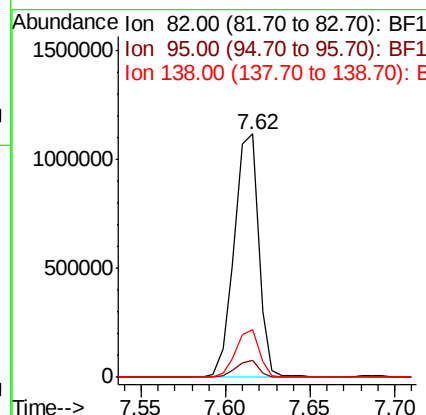
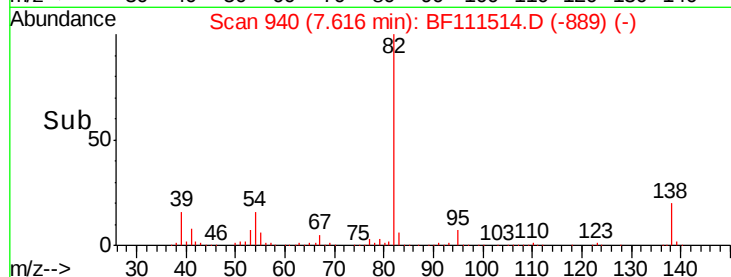
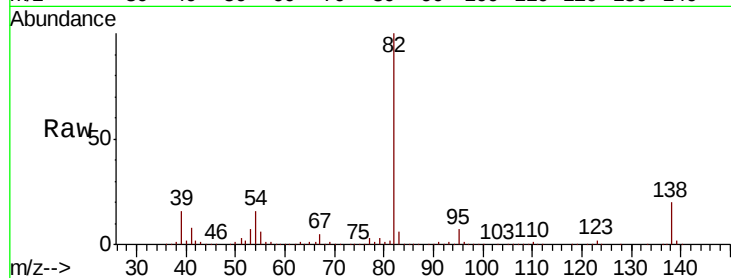
138 19.6 15.1 22.7

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#26

2-Nitrophenol

Concen: 37.062 ng

RT: 7.69 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

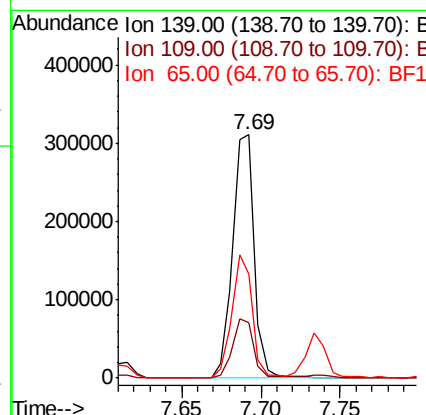
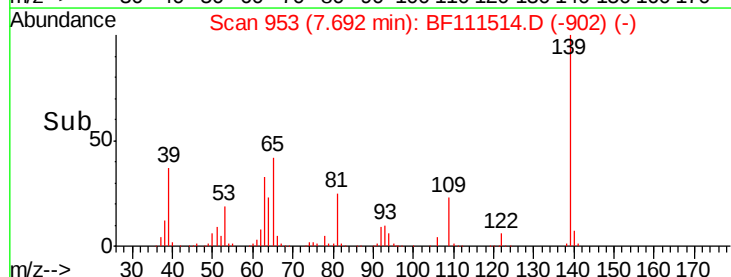
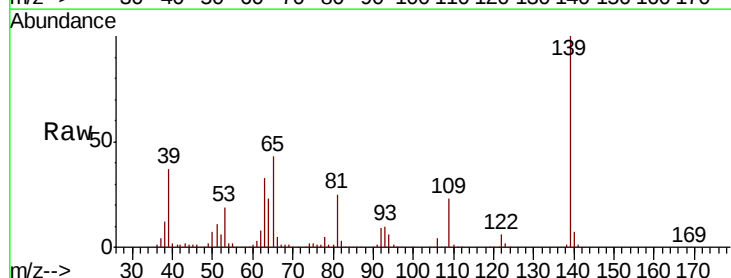
Tgt Ion: 139 Resp: 295164

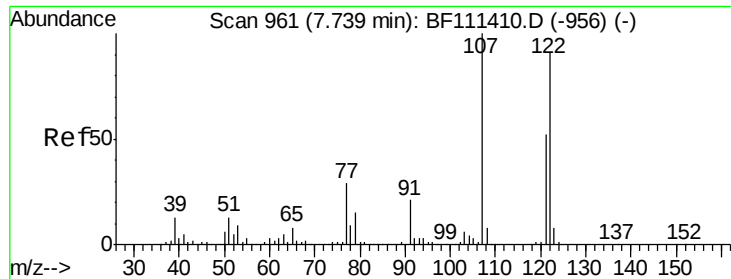
Ion Ratio Lower Upper

139 100

109 22.7 20.2 30.4

65 42.6 40.7 61.1





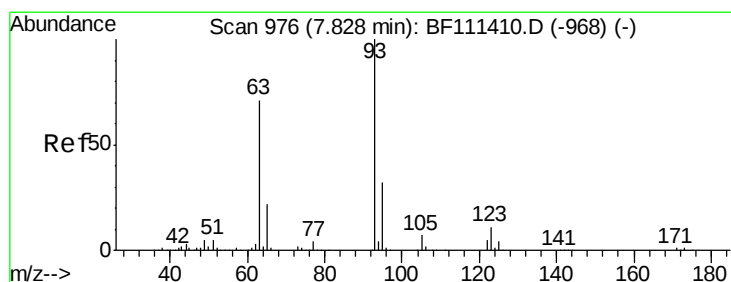
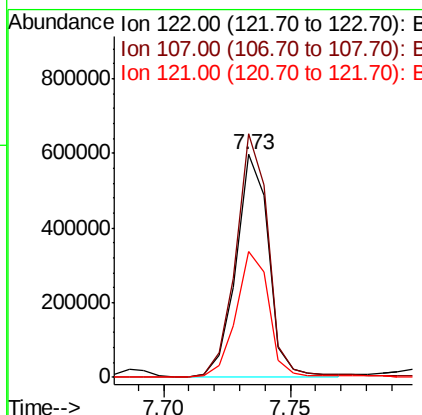
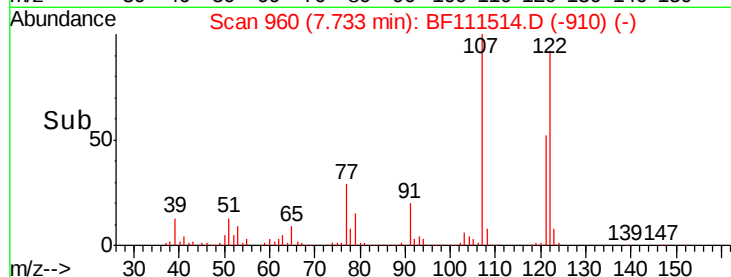
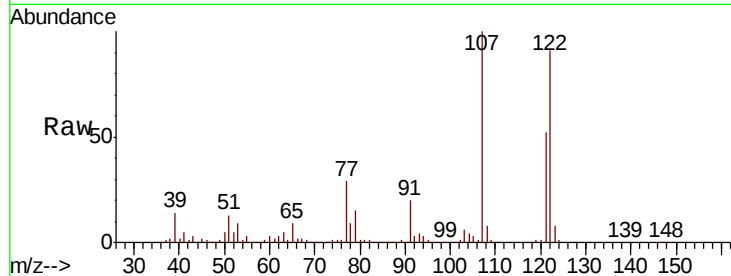
#27
2,4-Dimethylphenol
Concen: 46.293 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.4	85.5	128.3
121	56.4	46.6	70.0

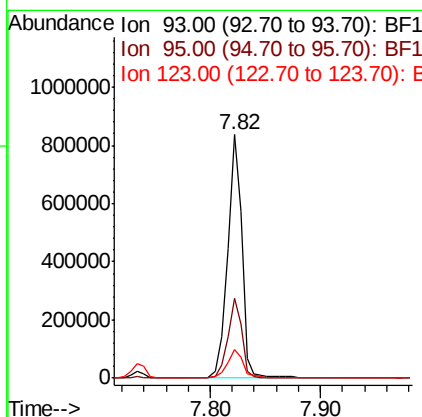
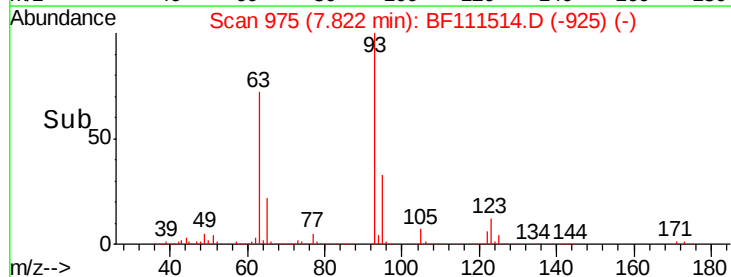
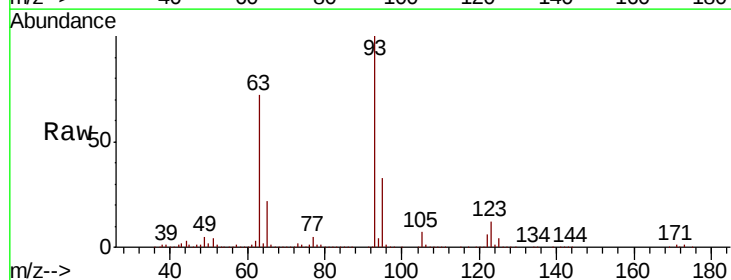
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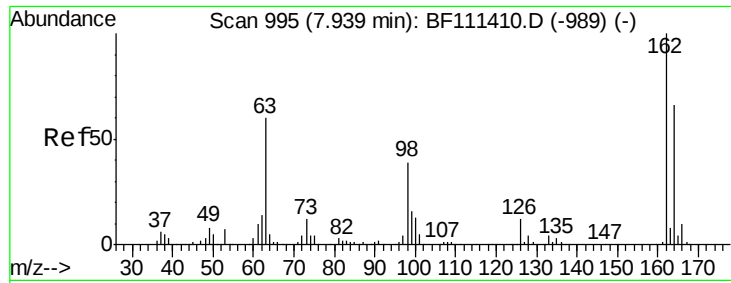
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#28
bis(2-Chloroethoxy)methane
Concen: 43.114 ng
RT: 7.82 min Scan# 975
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.9	27.1	40.7
123	11.8	9.9	14.9





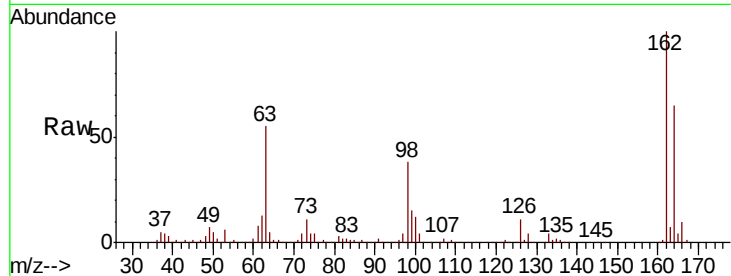
#29
2,4-Dichlorophenol
Concen: 38.652 ng
RT: 7.94 min Scan# 995
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

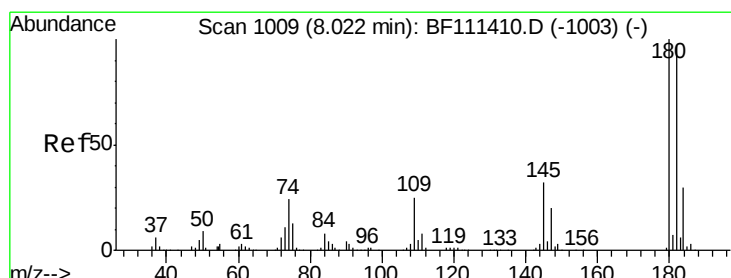
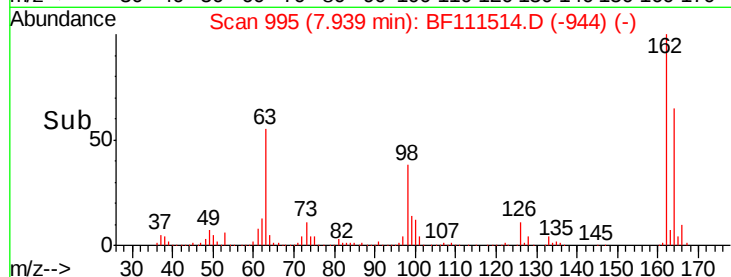
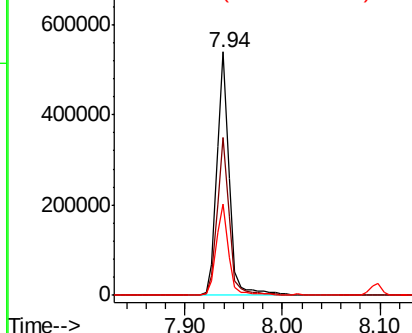
Tot Ion	Ratio	Resp	Lower	Upper
162	100	476391		
164	64.6	44.4	84.4	
98	37.6	20.3	60.3	

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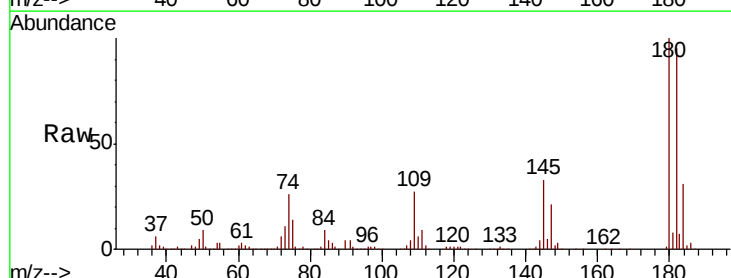


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

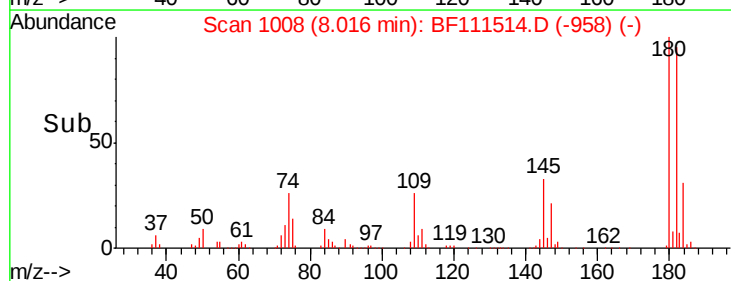
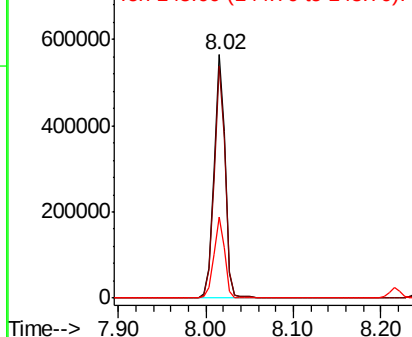


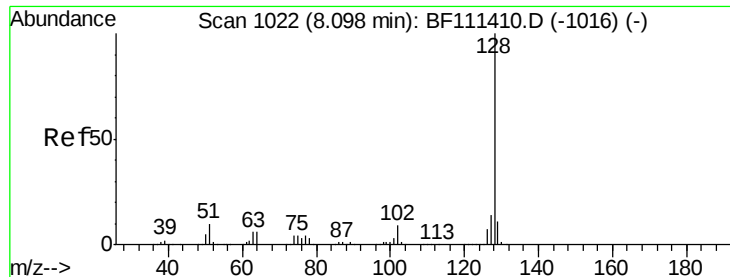
#30
1,2,4-Trichlorobenzene
Concen: 38.703 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	499355		
182	95.3	75.6	113.4	
145	33.4	26.7	40.1	



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





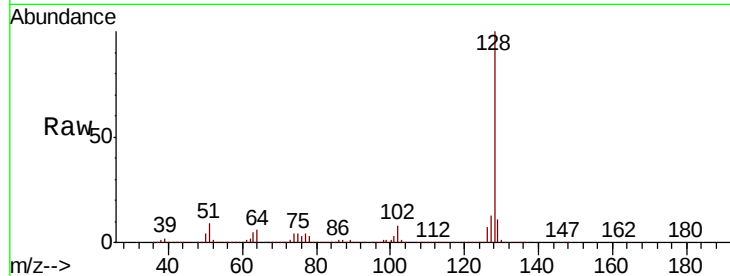
#31
Naphthalene
Concen: 40.820 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.8	14.8
127	13.3	12.0	18.0

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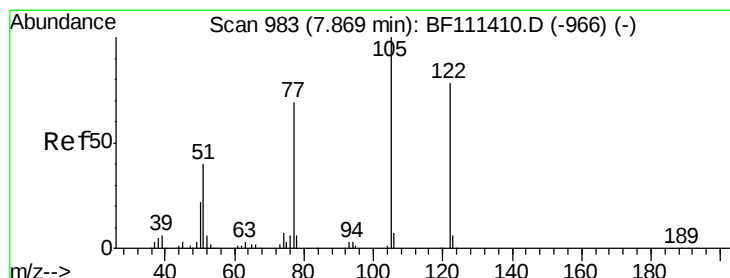
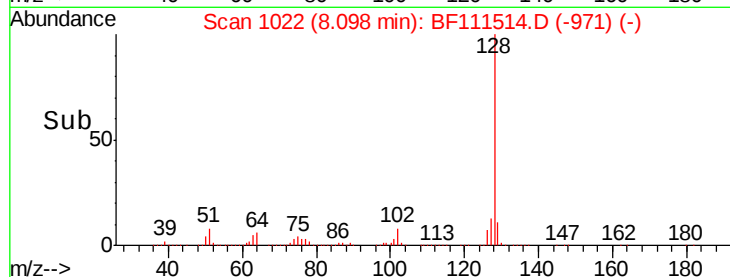
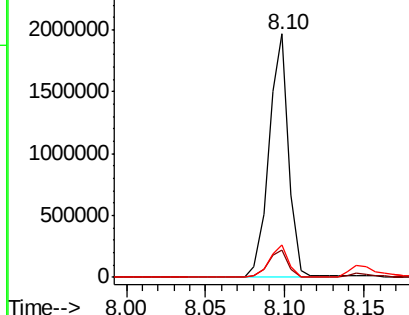


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 21.625 ng m
RT: 7.84 min Scan# 978
Delta R.T. -0.03 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

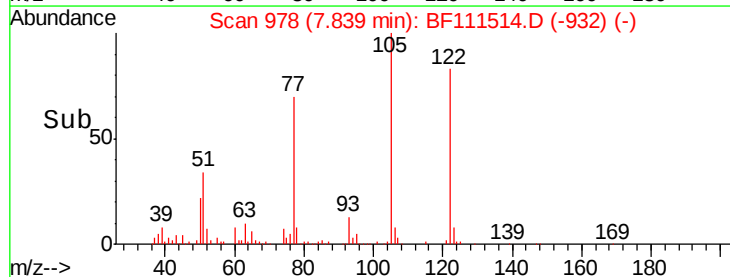
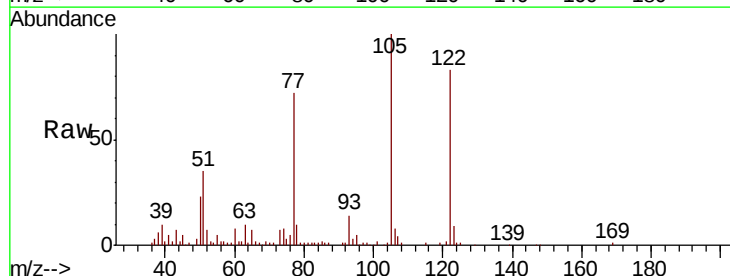
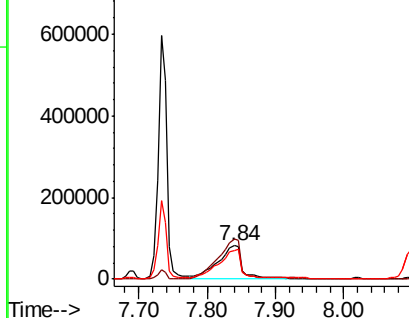
Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.8	97.0	137.0
77	86.5	65.7	105.7

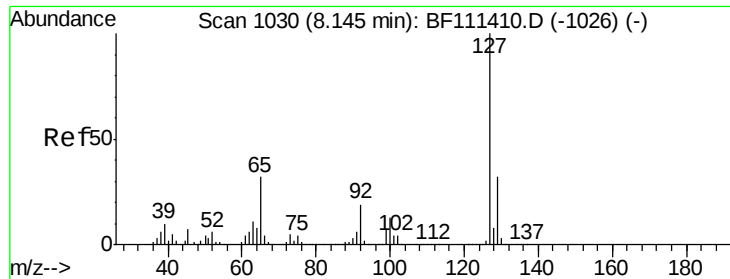
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





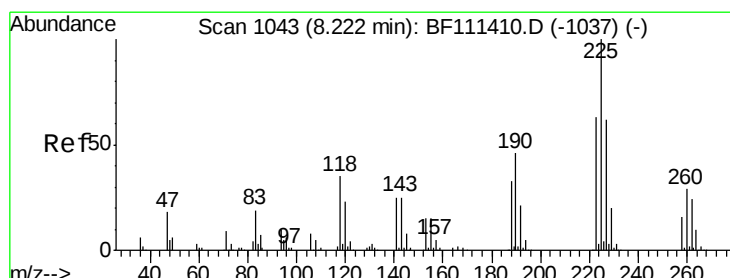
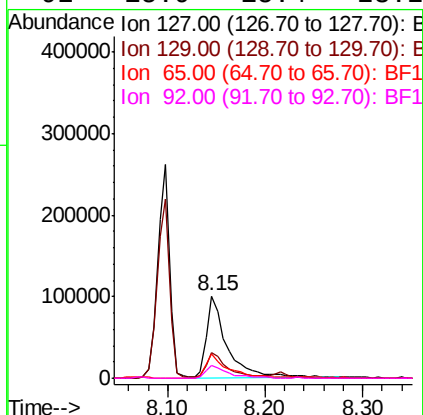
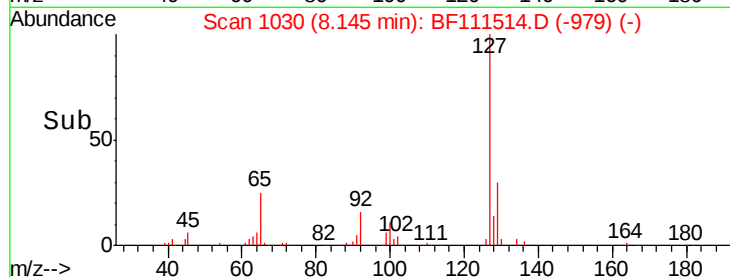
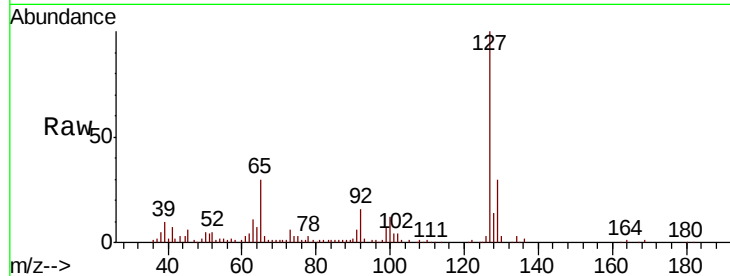
#33
4-Chloroaniline
Concen: 7.943 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.4	26.6	39.8		
65	29.9	25.7	38.5		
92	15.9	15.4	23.2		

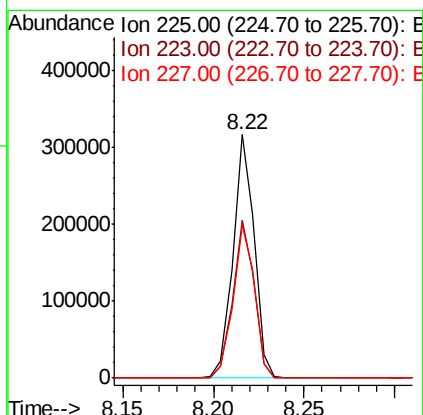
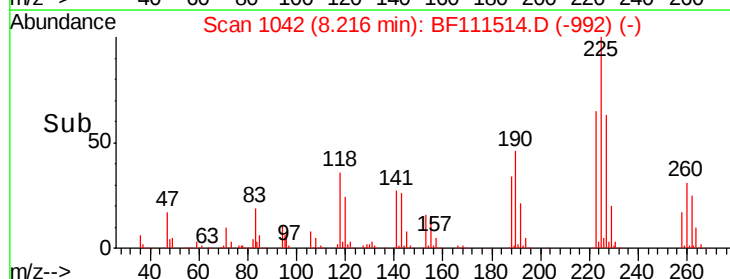
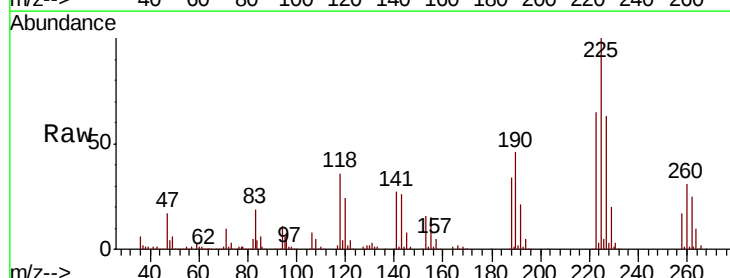
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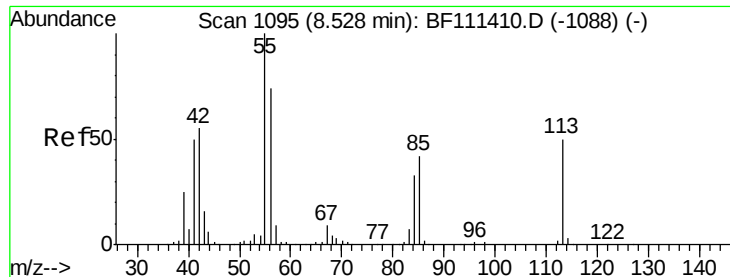
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#34
Hexachlorobutadiene
Concen: 36.163 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.9	50.7	76.1		
227	62.7	52.6	78.8		





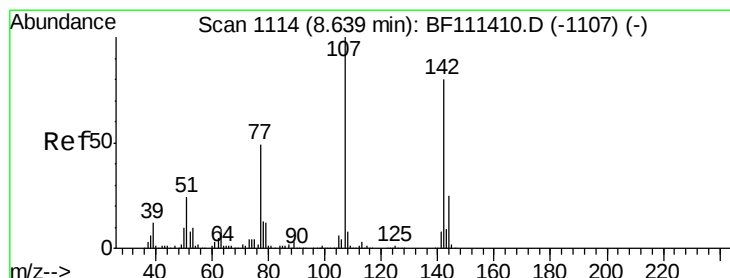
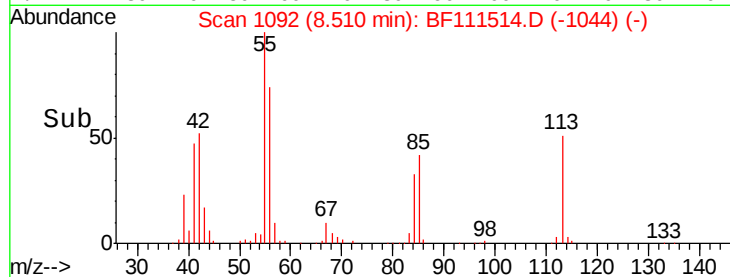
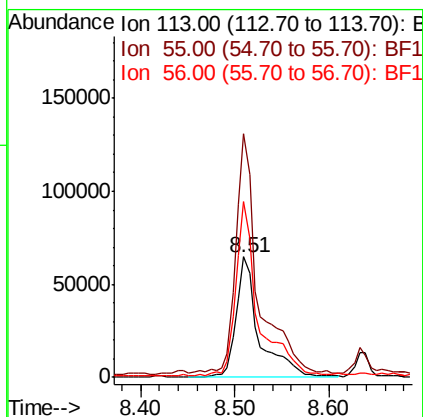
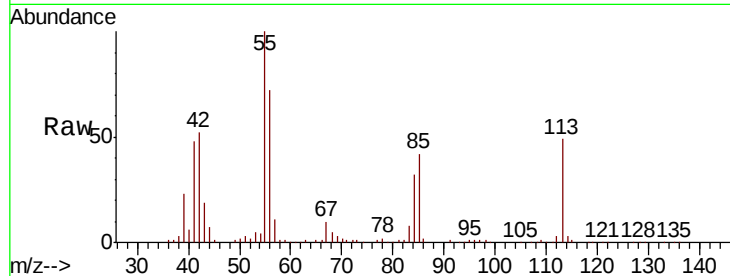
#35
 Caprolactam
 Concen: 24.235 ng
 RT: 8.51 min Scan# 1092
 Delta R.T. -0.02 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	202.0	184.1	224.1
56	146.2	126.0	166.0

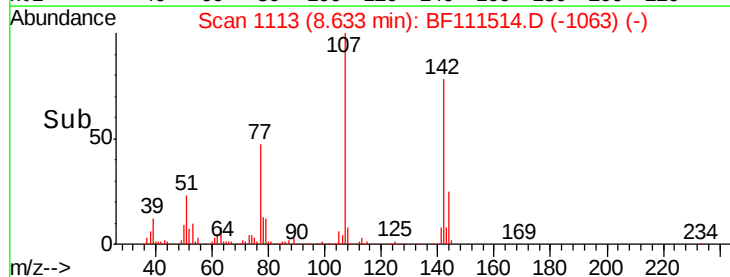
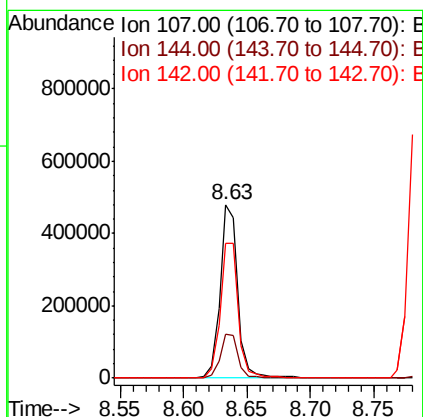
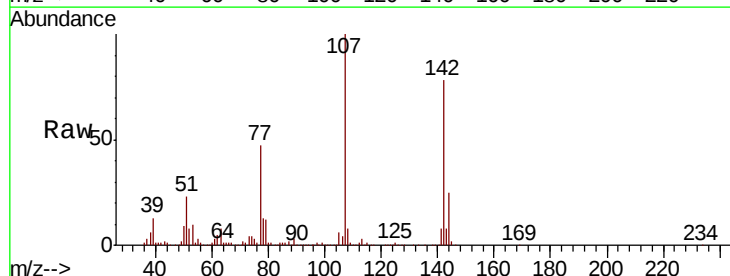
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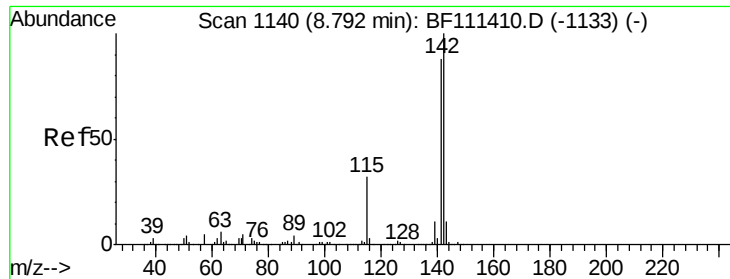
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#36
 4-Chloro-3-methylphenol
 Concen: 34.642 ng
 RT: 8.63 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.4	19.8	29.6
142	78.1	62.3	93.5





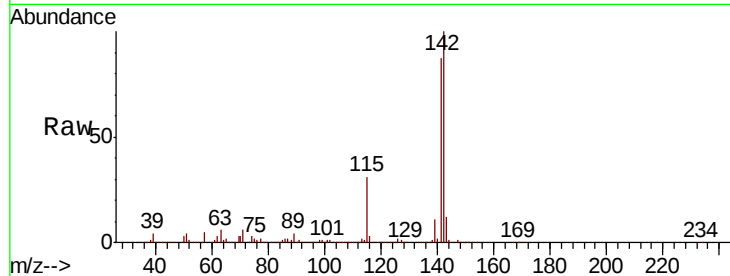
#37
2-Methylnaphthalene
Concen: 39.124 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

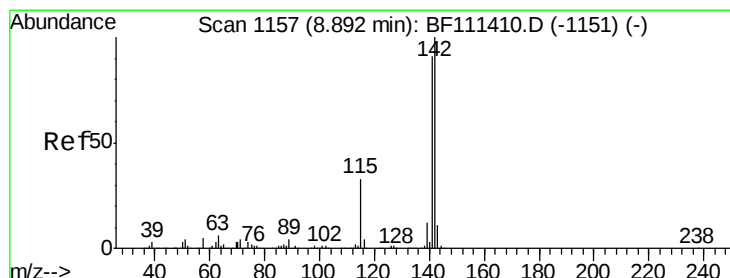
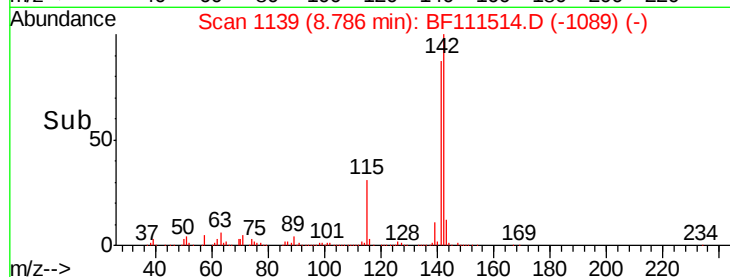
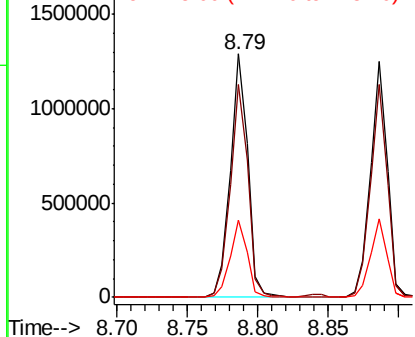
Tot Ion:142 Resp: 1110051
Ion Ratio Lower Upper
142 100
141 87.4 70.6 105.8
115 31.5 27.0 40.6

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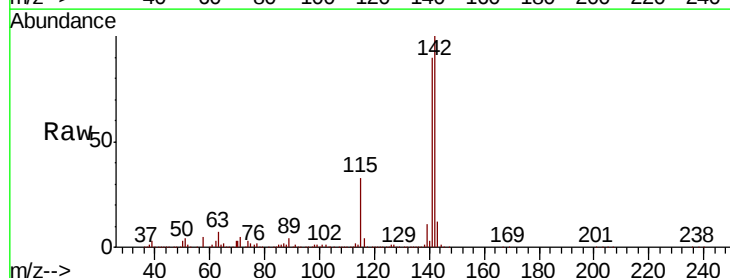


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

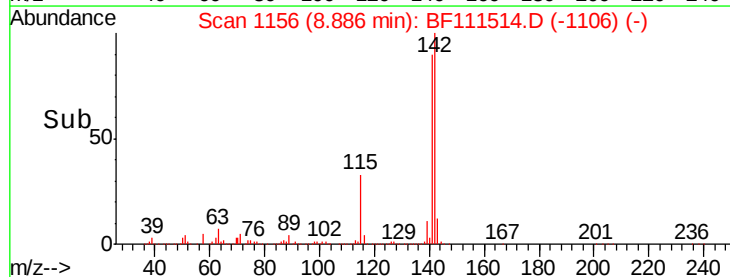
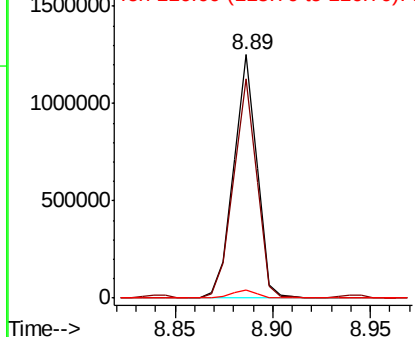


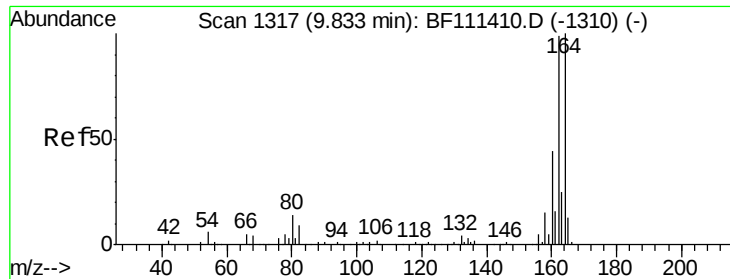
#38
1-Methylnaphthalene
Concen: 37.796 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion:142 Resp: 1035980
Ion Ratio Lower Upper
142 100
141 90.1 74.2 111.4
116 3.6 2.9 4.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





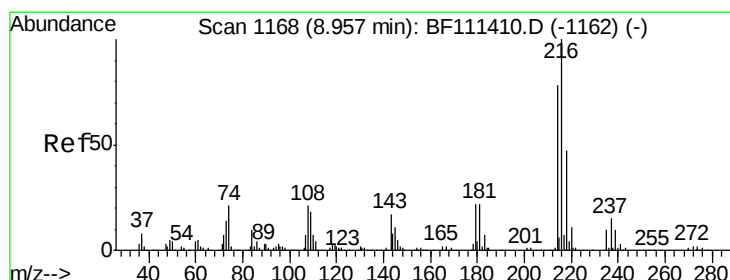
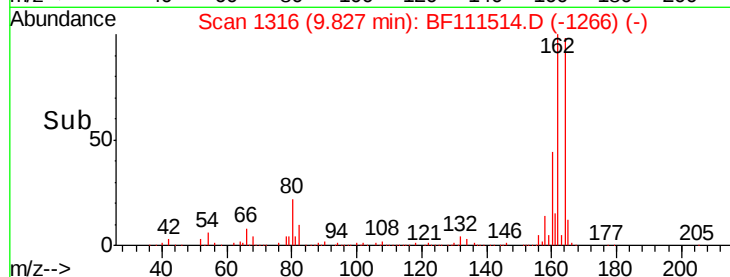
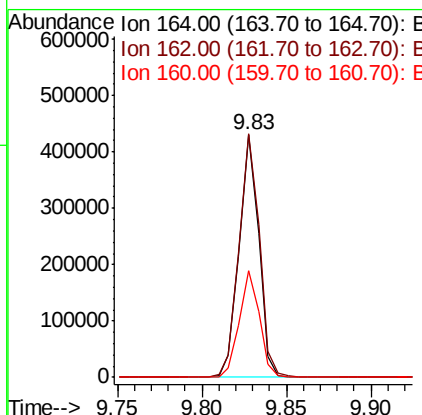
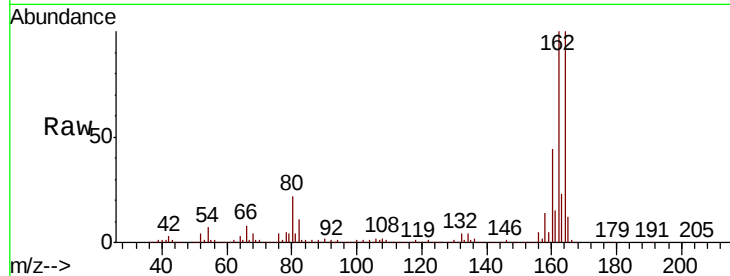
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS015-0612-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.3	81.4	122.0	
160	43.8	35.7	53.5	

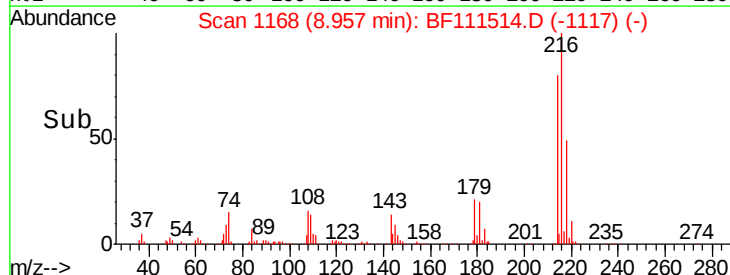
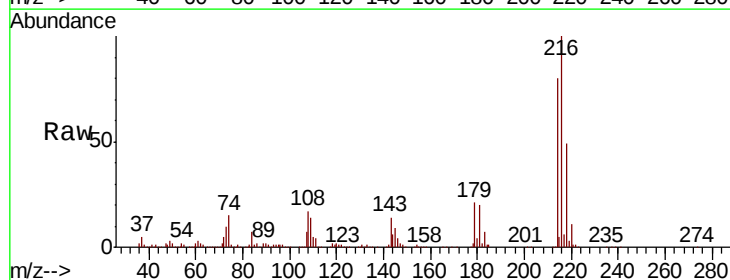
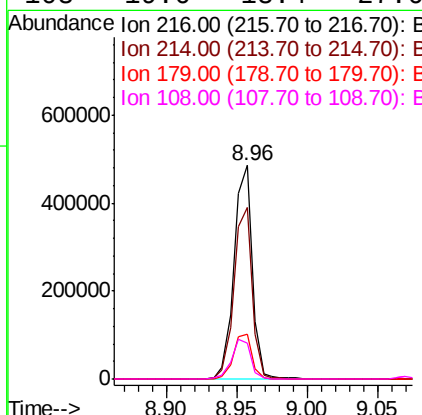
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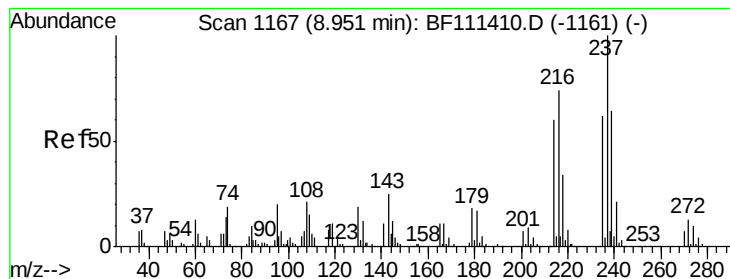
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.524 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	80.6	63.8	95.8	
179	21.6	17.9	26.9	
108	19.6	18.4	27.6	





#41

Hexachlorocyclopentadiene

Concen: 19.280 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

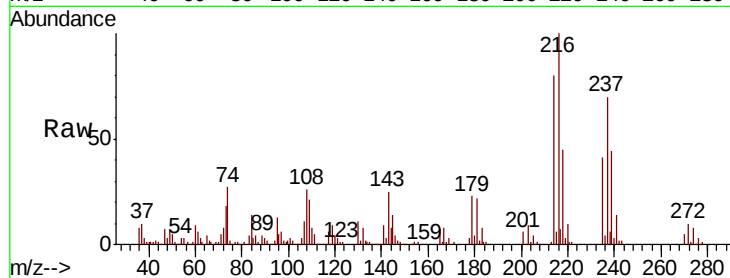
ClientSampleId :

P001-SS015-0612-01MSD

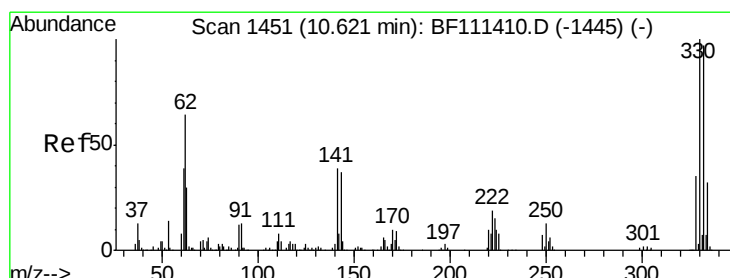
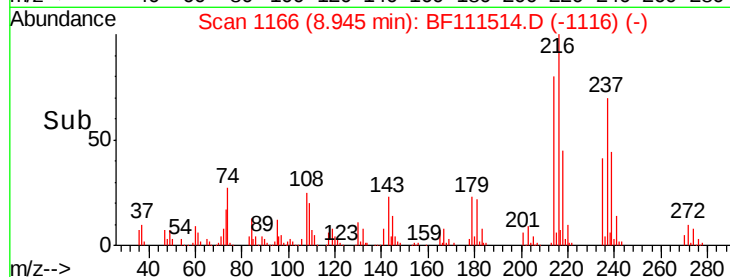
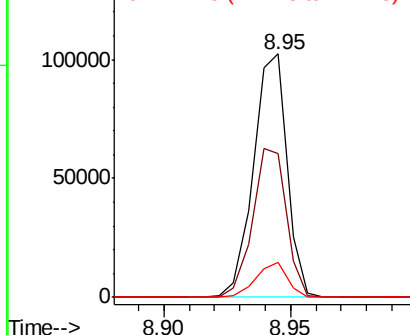
Tot Ion:	237	Resp:	95059
Ion Ratio	Lower	Upper	
237	100		
235	58.9	43.1	83.1
272	14.4	0.0	33.0

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 82.932 ng

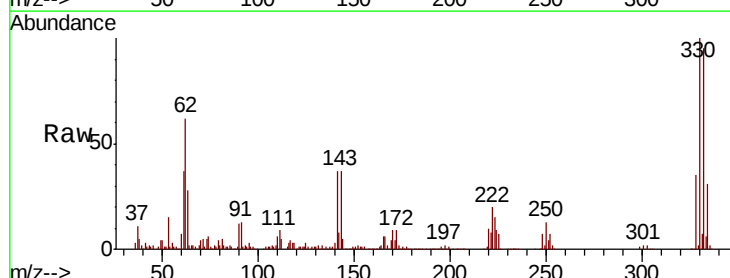
RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

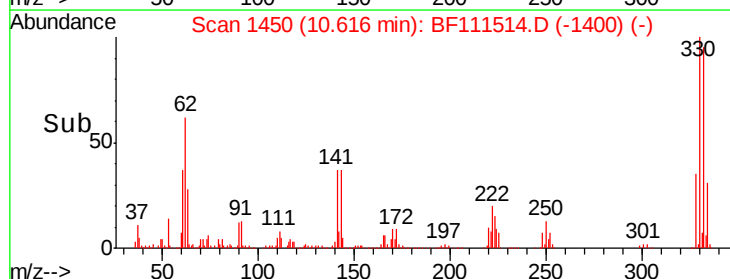
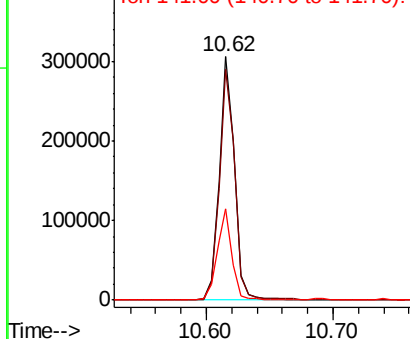
Lab File: BF111514.D

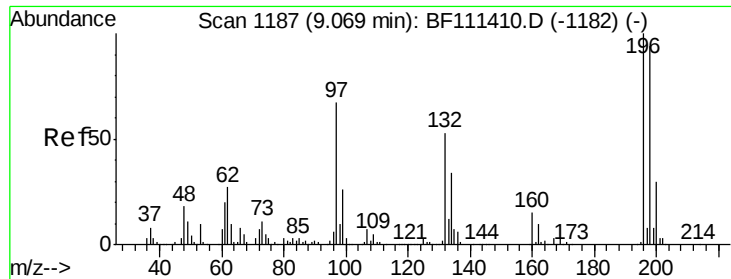
Acq: 16 Dec 2018 17:53

Tgt Ion:	330	Resp:	260141
Ion Ratio	Lower	Upper	
330	100		
332	96.0	76.0	114.0
141	36.1	31.0	46.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





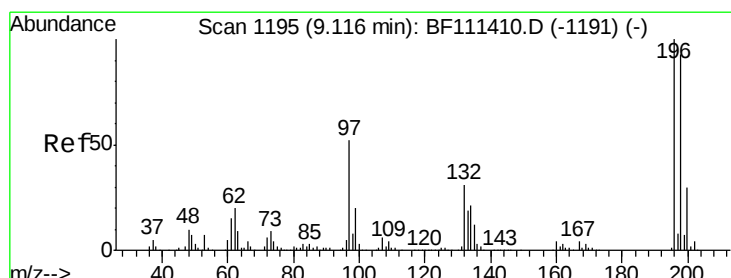
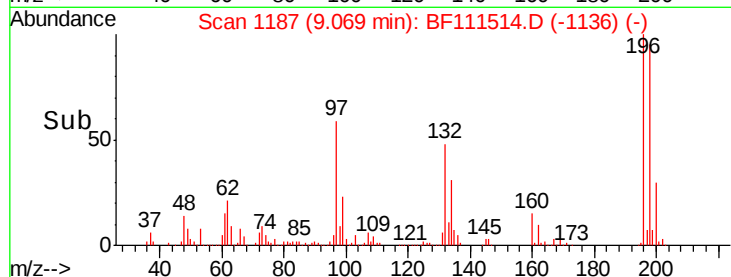
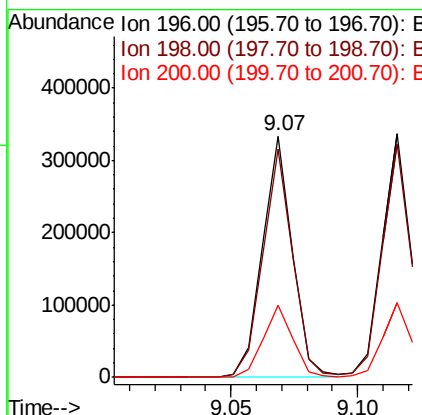
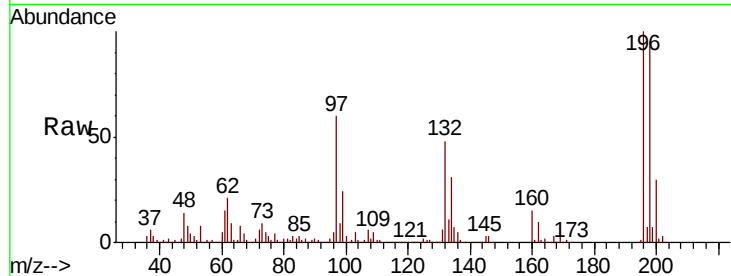
#43
2,4,6-Trichlorophenol
Concen: 40.471 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	275070		
198	94.9	76.3	114.5	
200	30.0	24.9	37.3	

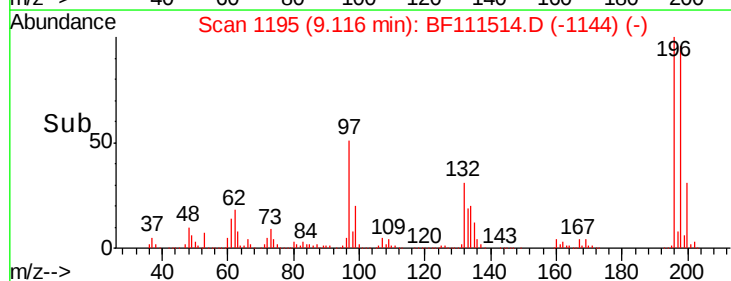
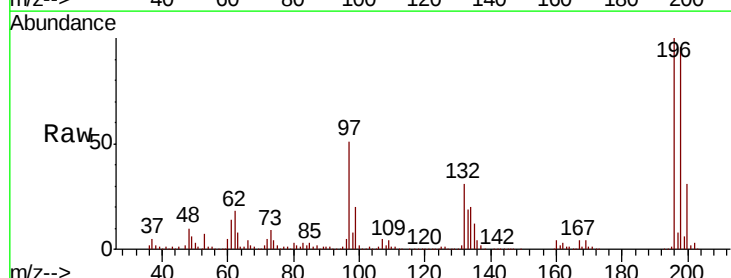
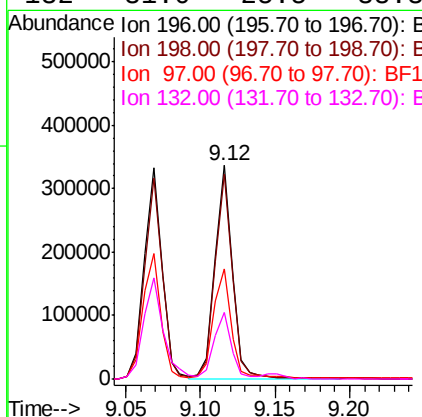
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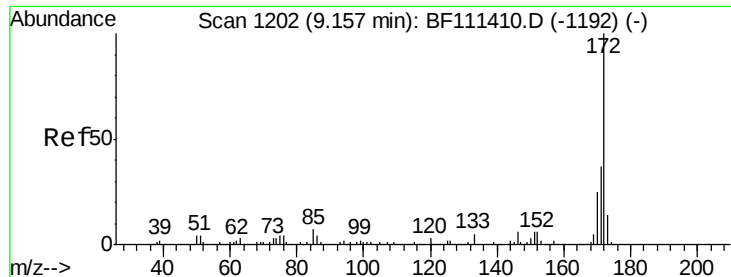
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#44
2,4,5-Trichlorophenol
Concen: 38.299 ng
RT: 9.12 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	277000		
198	95.6	72.9	109.3	
97	51.3	45.3	67.9	
132	31.0	25.5	38.3	





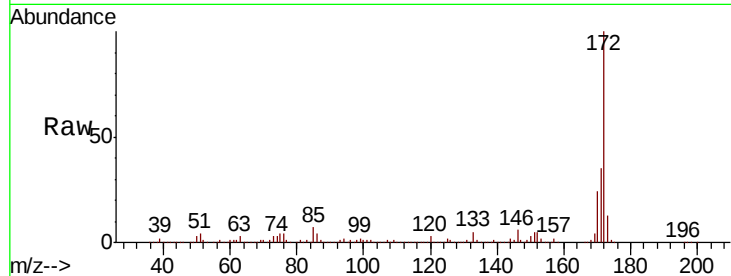
#45
2-Fluorobiphenyl
Concen: 76.757 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

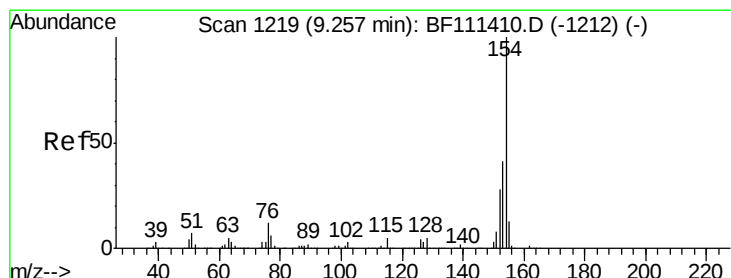
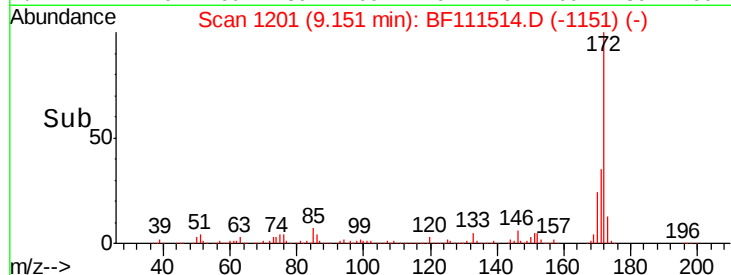
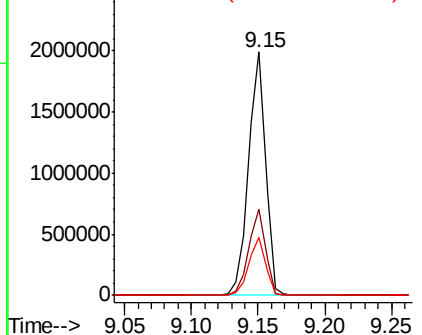
Tot Ion:172 Resp: 1740094
Ion Ratio Lower Upper
172 100
171 35.5 33.0 49.4
170 23.6 22.3 33.5

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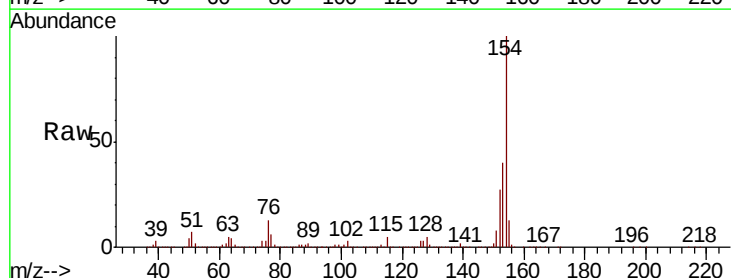


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

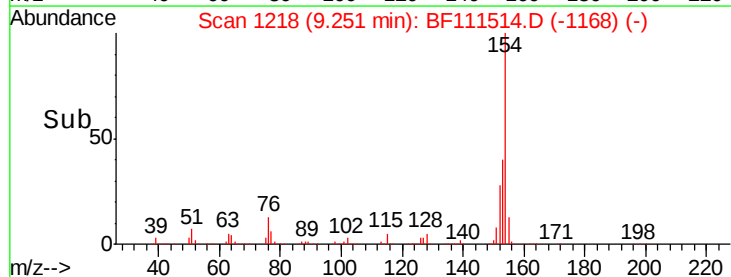
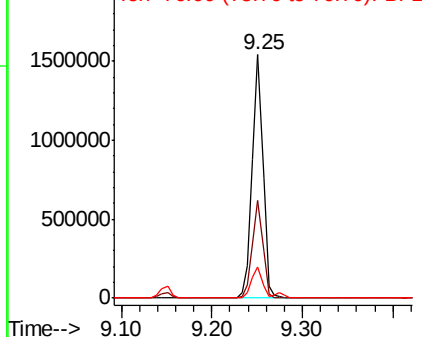


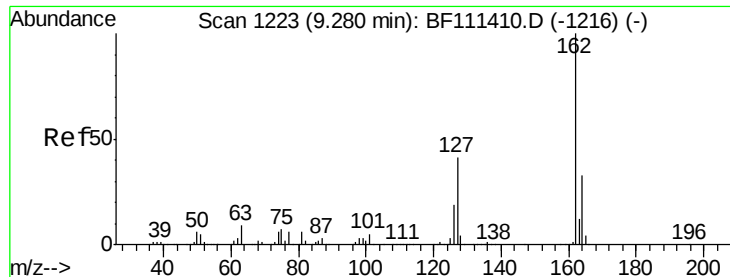
#46
1,1'-Biphenyl
Concen: 42.476 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion:154 Resp: 1260299
Ion Ratio Lower Upper
154 100
153 40.0 23.7 63.7
76 12.9 0.0 35.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





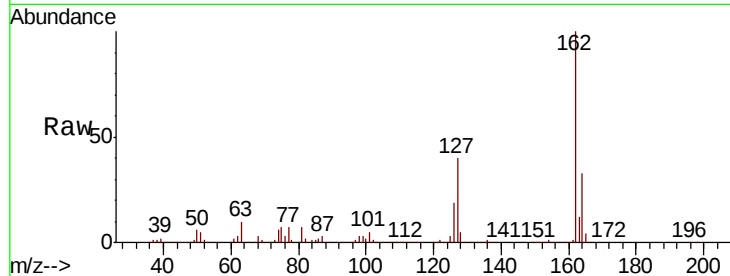
#47
2-Chloronaphthalene
Concen: 42.096 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

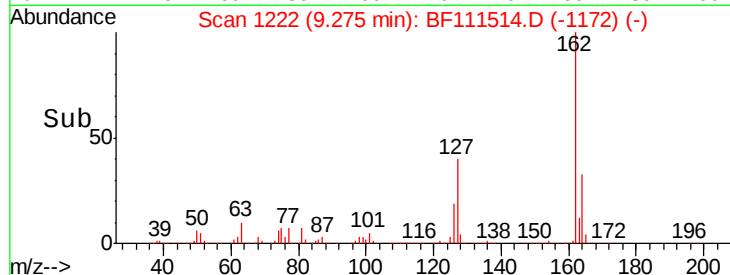
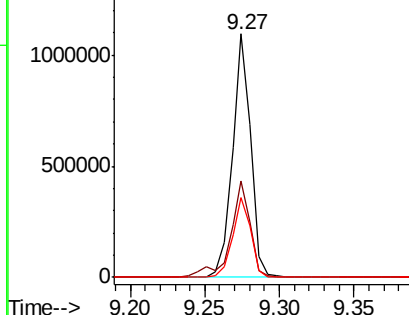
Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	39.8	35.0	52.4	
164	32.9	28.4	42.6	

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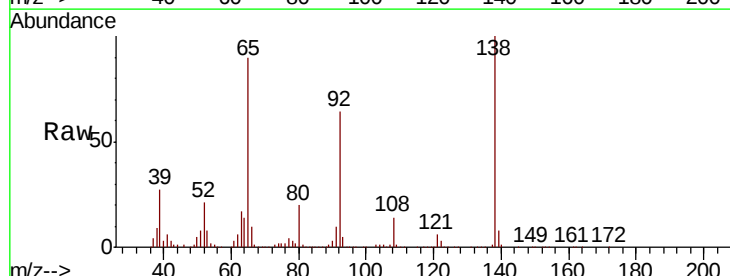
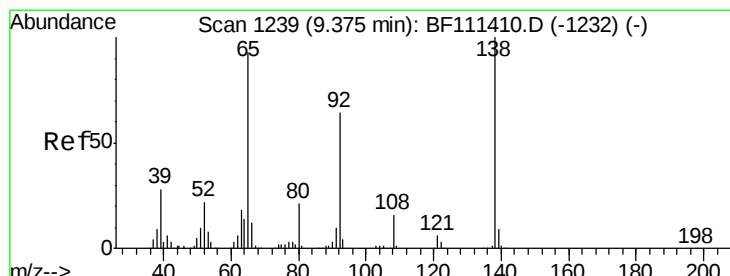
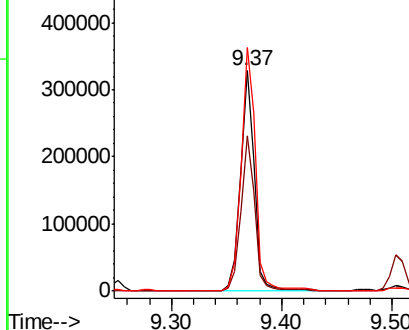
Abundance Ion 162.00 (161.70 to 162.70): E
1500000
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

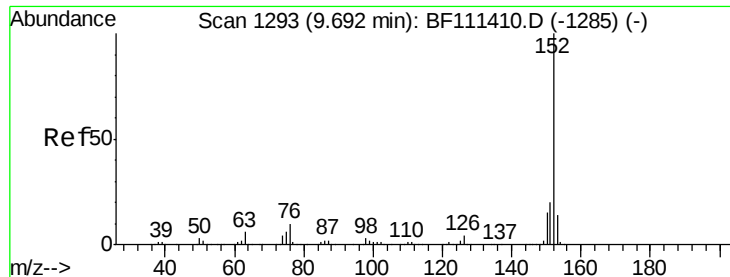


#48
2-Nitroaniline
Concen: 39.990 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	70.4	53.5	80.3	
138	110.7	80.9	121.3	

Abundance Ion 65.00 (64.70 to 65.70): BF1
500000
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 41.953 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

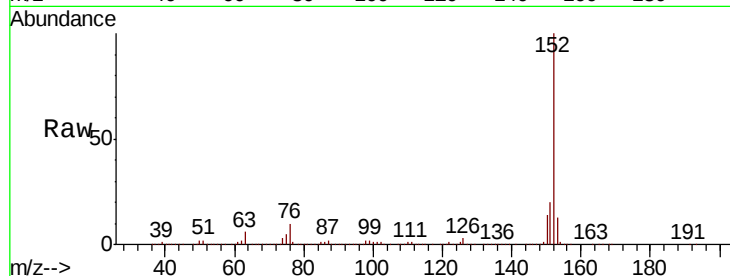
ClientSampleId :

P001-SS015-0612-01MSD

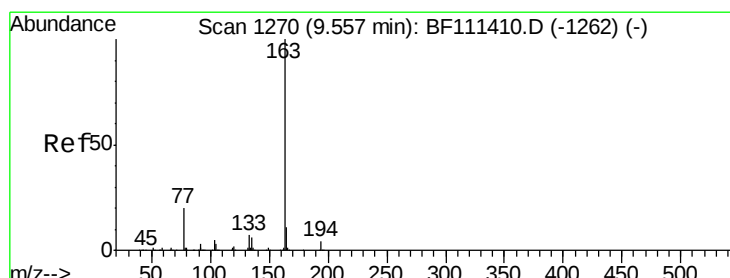
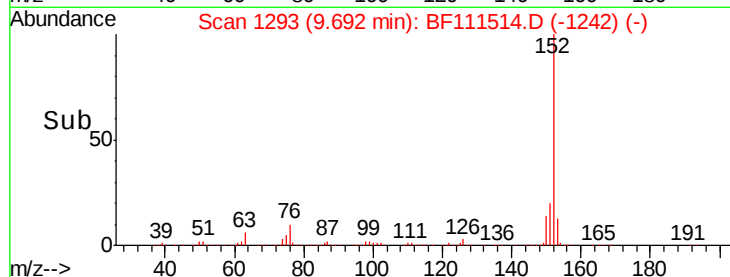
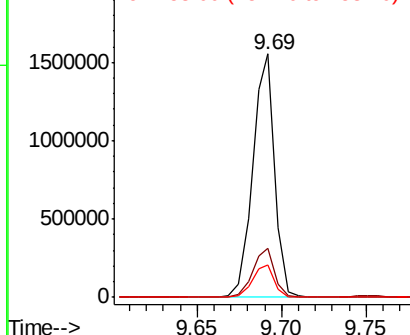
Tot Ion:	152	Resp:	1404467
Ion	Ratio	Lower	Upper
152	100		
151	20.1	18.0	27.0
153	13.2	12.3	18.5

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 45.834 ng

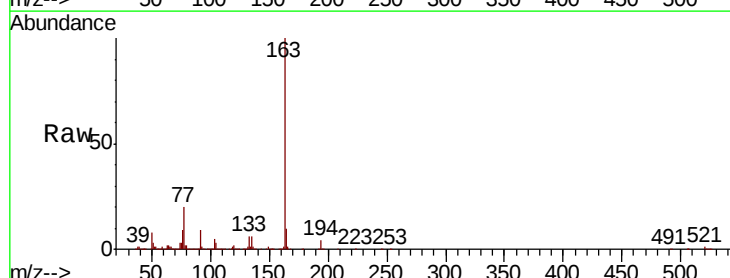
RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

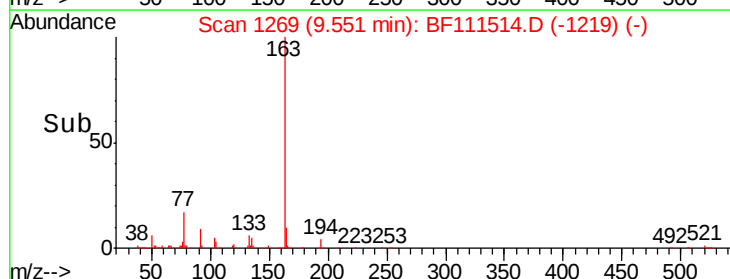
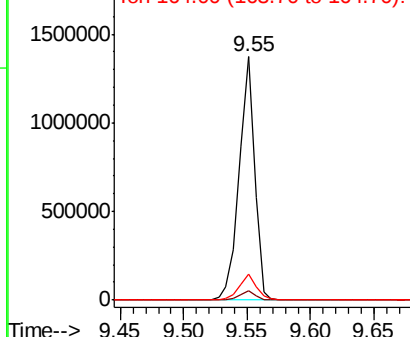
Lab File: BF111514.D

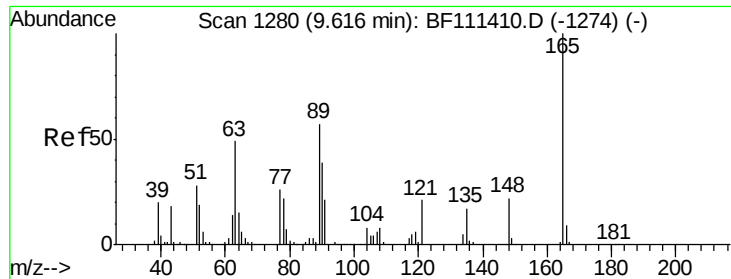
Acq: 16 Dec 2018 17:53

Tgt Ion:	163	Resp:	1155870
Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.4	8.9	13.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





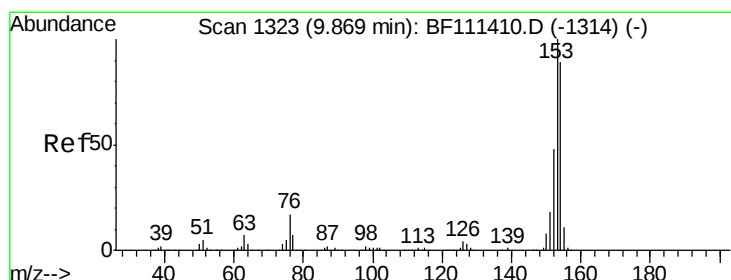
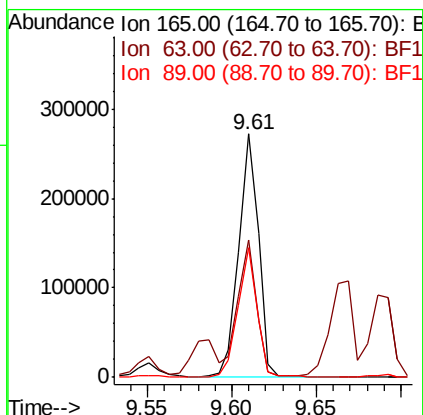
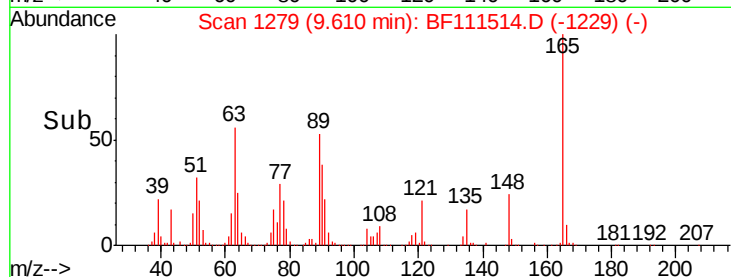
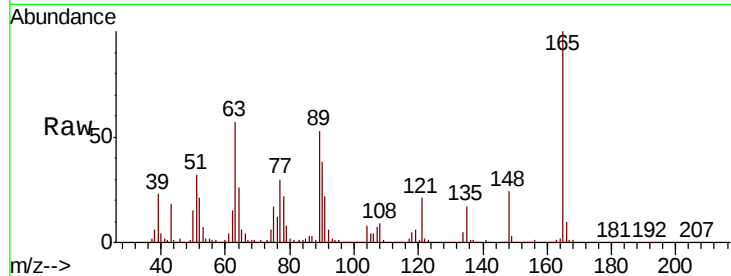
#51
2,6-Dinitrotoluene
Concen: 39.077 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
165	100	221821		
63	56.7	40.5	60.7	
89	53.4	40.0	60.0	

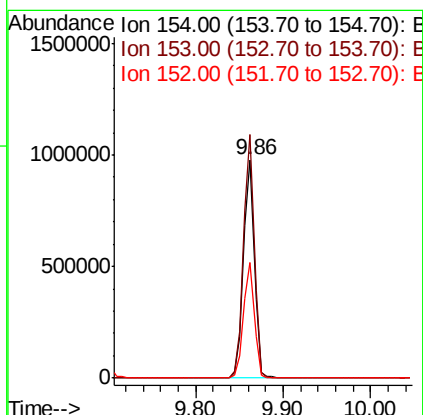
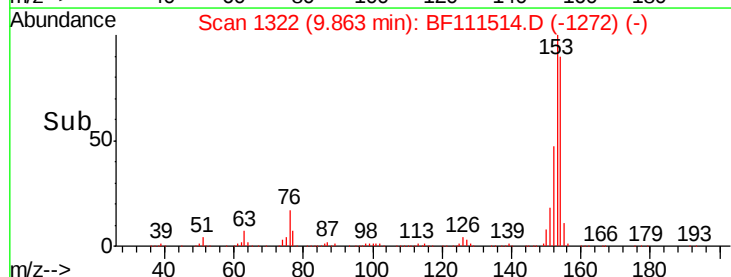
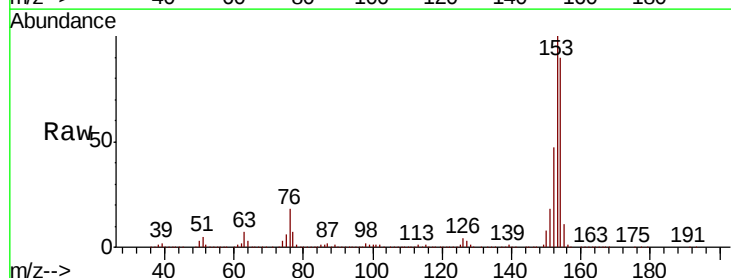
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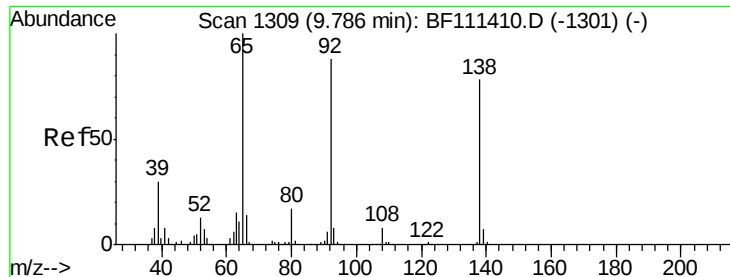
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#52
Acenaphthene
Concen: 38.273 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	809809		
153	111.5	87.8	131.8	
152	53.0	43.4	65.2	





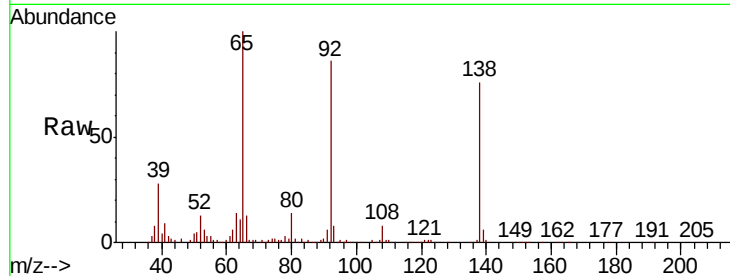
#53
3-Nitroaniline
Concen: 21.602 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

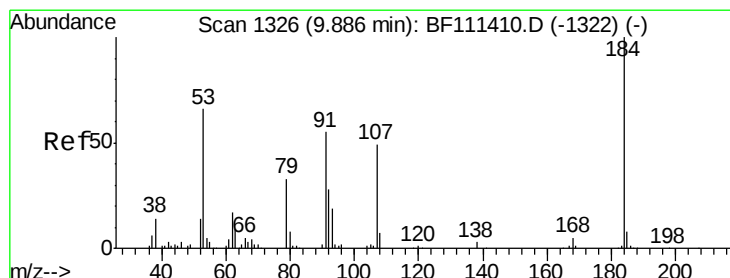
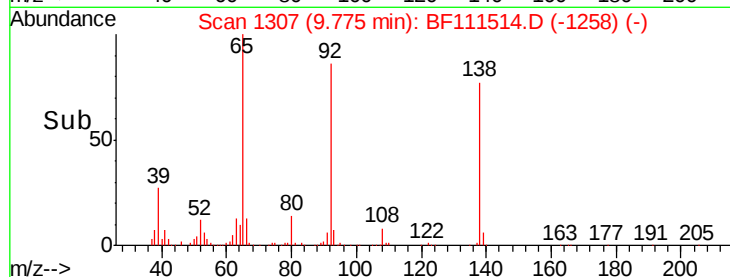
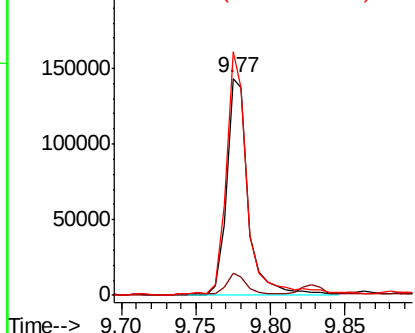
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.2	12.4
92	112.0	93.4	140.2

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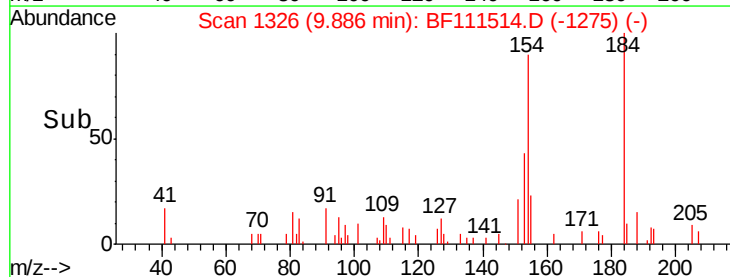
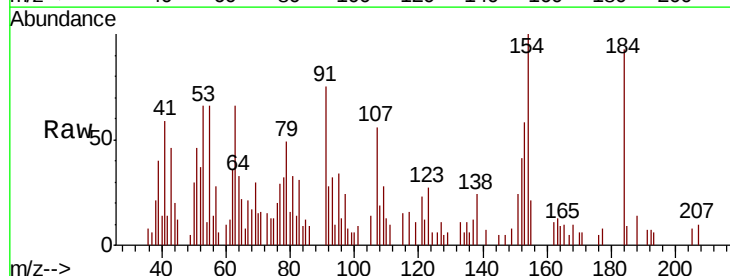
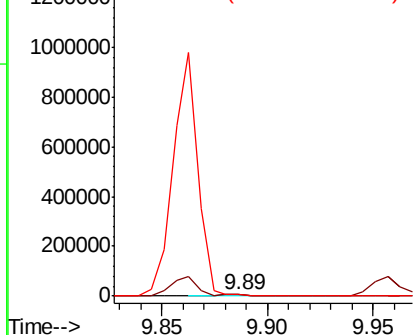
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

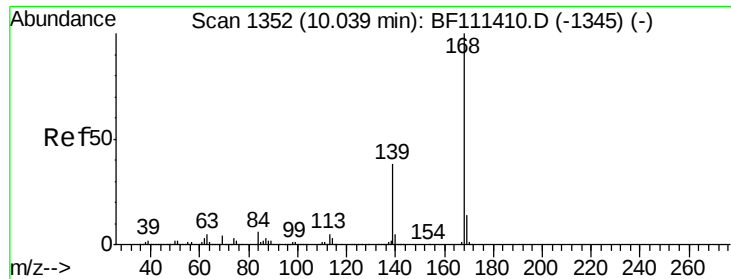


#54
2,4-Dinitrophenol
Concen: 3.140 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
184	100		
63	71.4	62.3	93.5
154	108.0	56.2	84.2#

Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 38.943 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion:168 Resp: 1196047

Ion Ratio Lower Upper

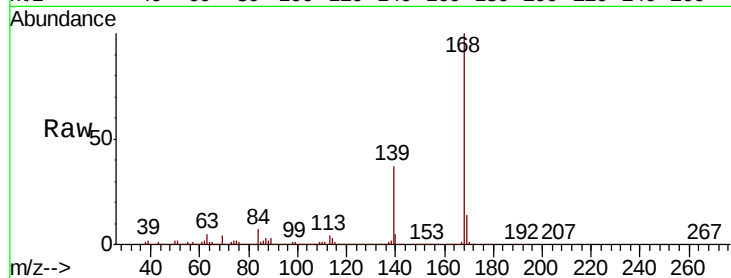
168 100

139 36.7 32.6 49.0

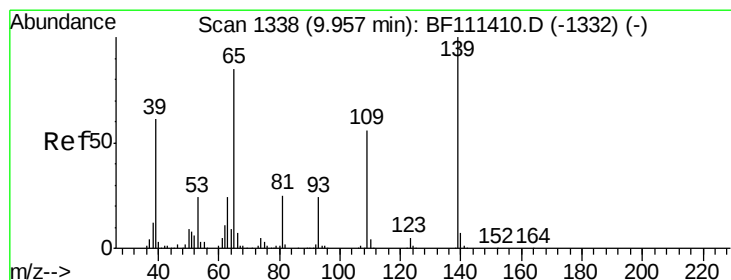
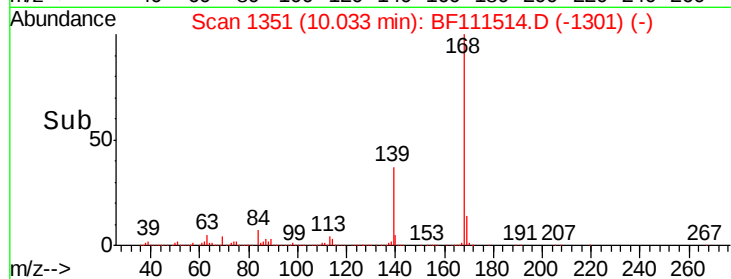
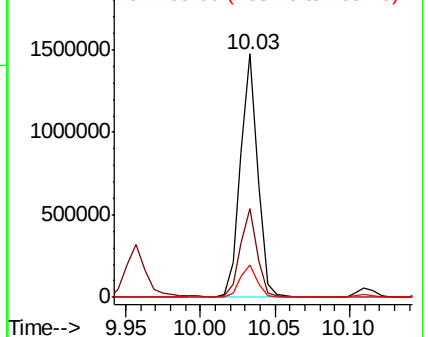
169 13.5 11.8 17.6

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Abundance Ion 168.00 (167.70 to 168.70): E
2000000
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 62.409 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

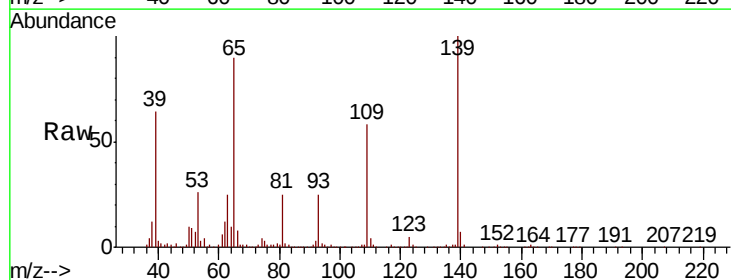
Tgt Ion:139 Resp: 297787

Ion Ratio Lower Upper

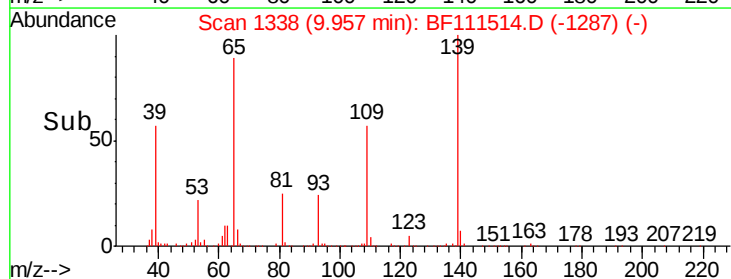
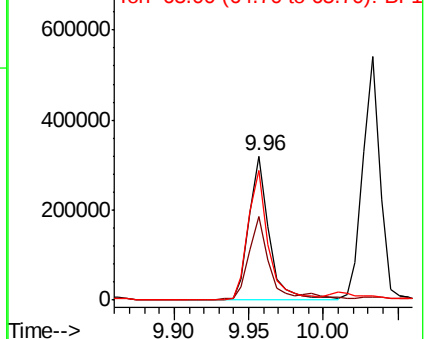
139 100

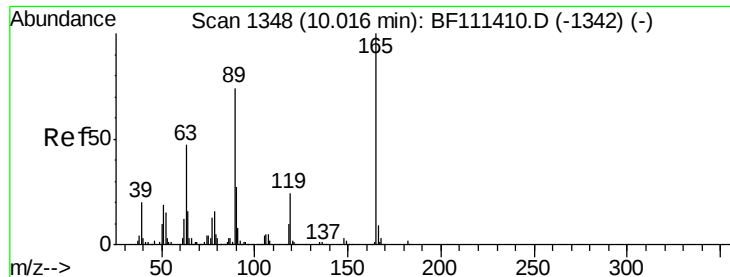
109 57.7 41.8 81.8

65 90.1 79.6 119.6



Abundance Ion 139.00 (138.70 to 139.70): E
600000
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 35.766 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

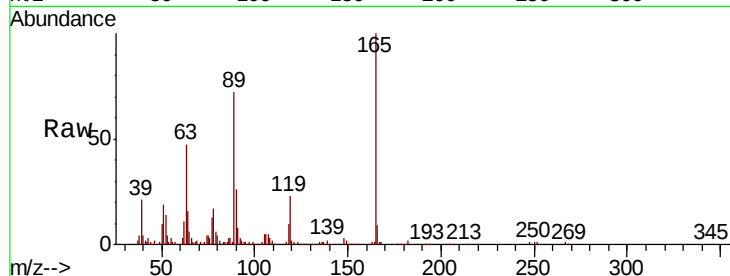
ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	266471		
63	46.6		34.6	52.0
89	72.2		56.2	84.4
182	2.2		1.8	2.6

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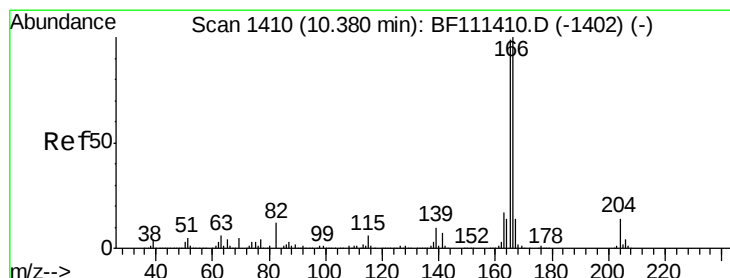
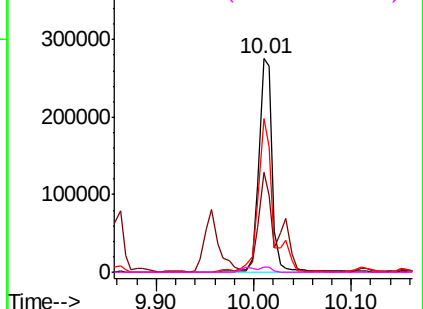
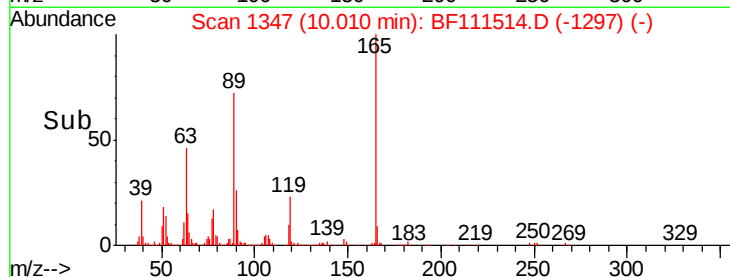


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 38.998 ng

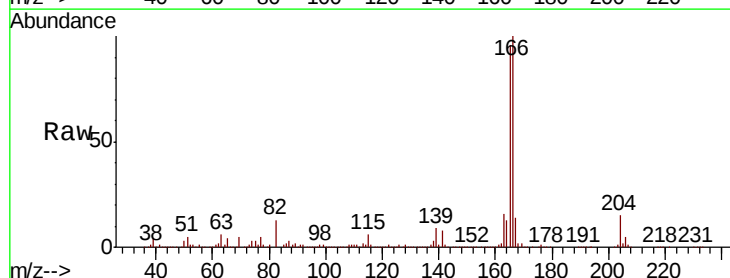
RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

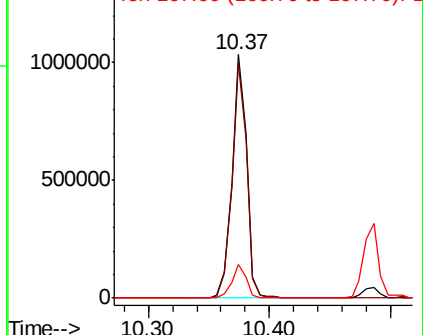
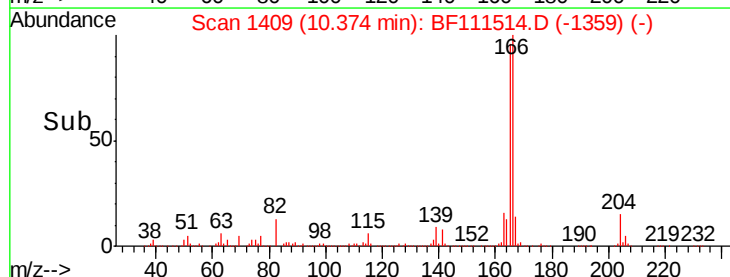
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	868763		
165	96.5		78.4	117.6
167	13.8		11.2	16.8

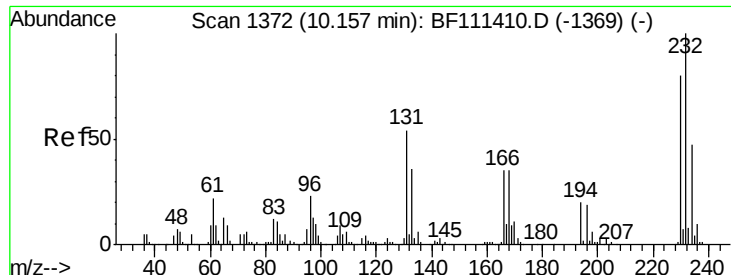


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 33.404 ng

RT: 10.16 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion:232 Resp: 188762

Ion Ratio Lower Upper

232 100

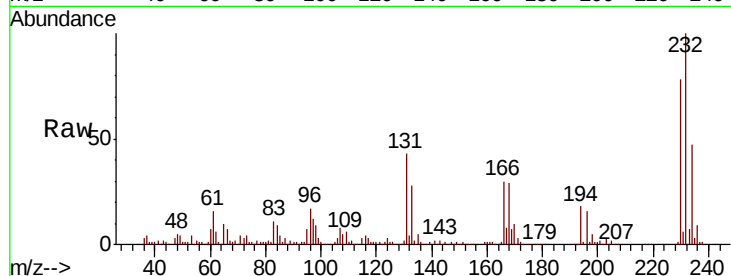
131 47.6 40.9 61.3

130 2.7 2.0 3.0

166 32.1 26.8 40.2

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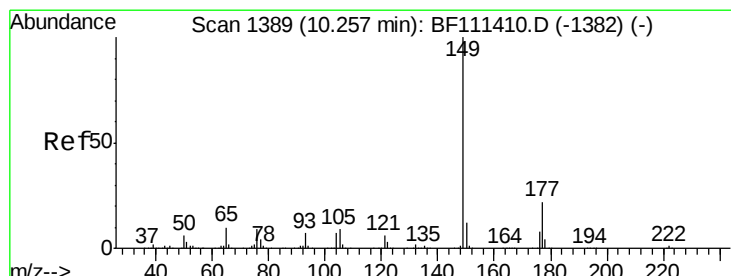
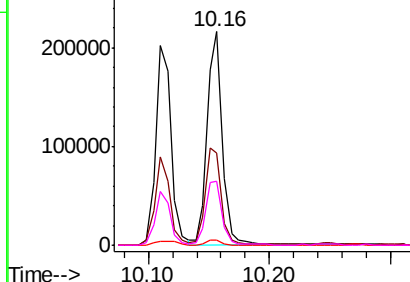
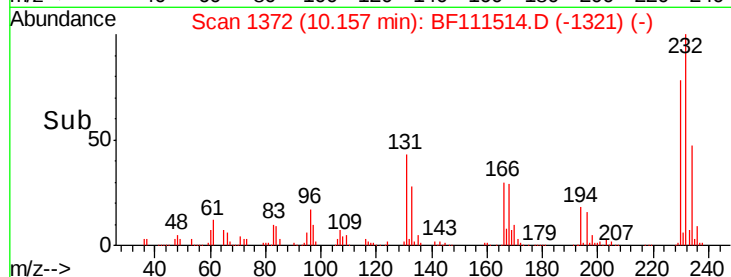
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 37.846 ng

RT: 10.25 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

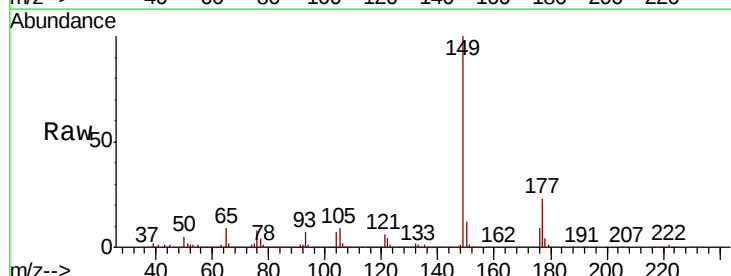
Tgt Ion:149 Resp: 966781

Ion Ratio Lower Upper

149 100

177 22.7 18.3 27.5

150 12.1 10.6 15.8

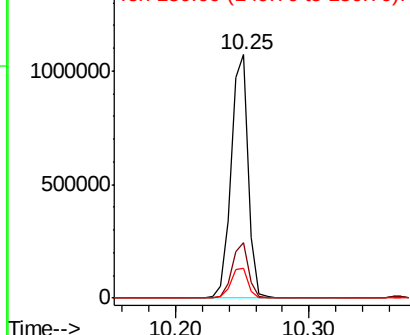
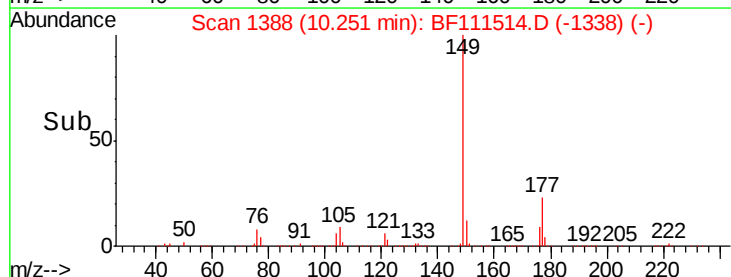


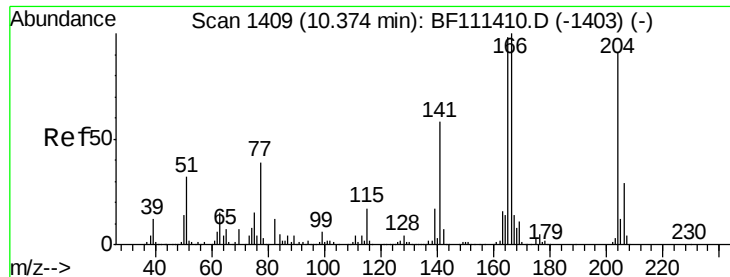
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





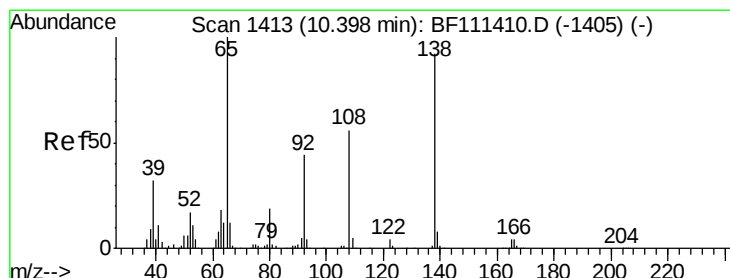
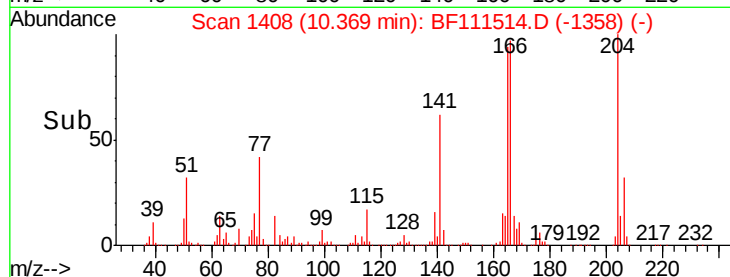
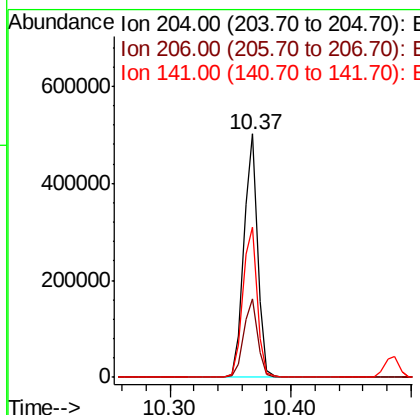
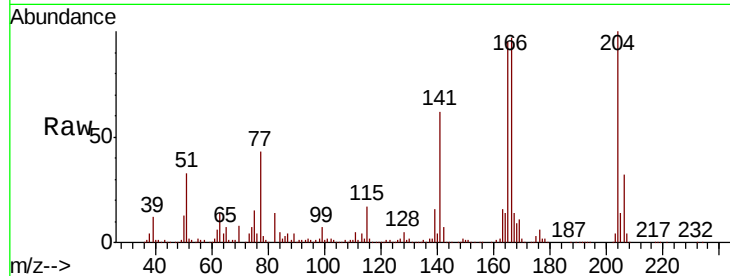
#61
4-Chlorophenyl-phenylether
Concen: 36.815 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.6	39.8
141	61.6	52.6	78.8

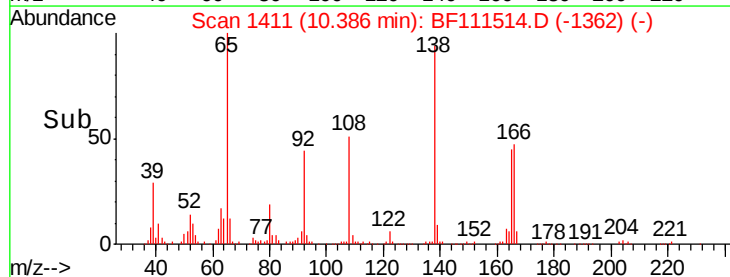
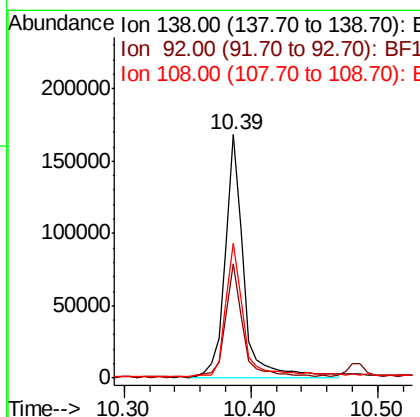
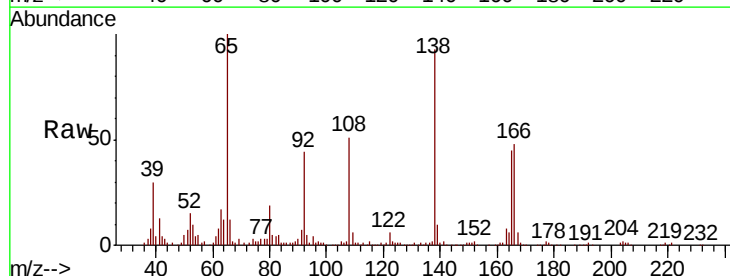
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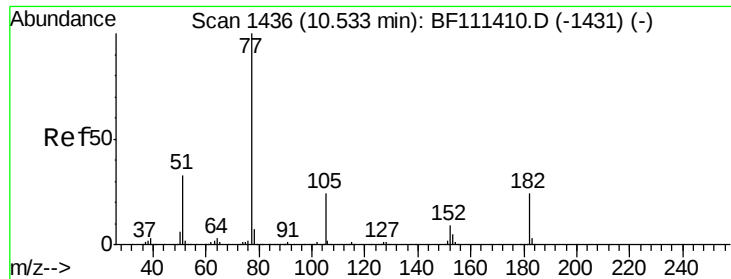
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#62
4-Nitroaniline
Concen: 24.700 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.1	29.9	69.9
108	55.2	43.2	83.2





#63

Azobenzene

Concen: 35.118 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

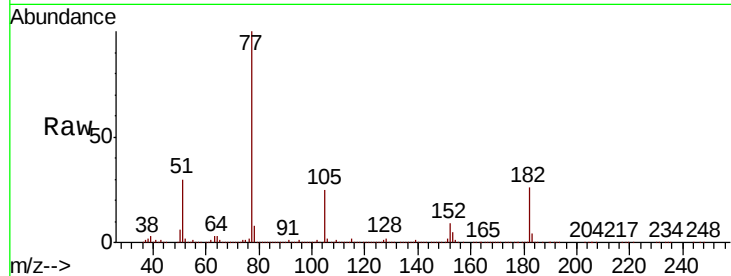
ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	25.5	4.9	44.9
105	24.6	6.0	46.0
51	30.3	14.7	54.7

Manual Integrations
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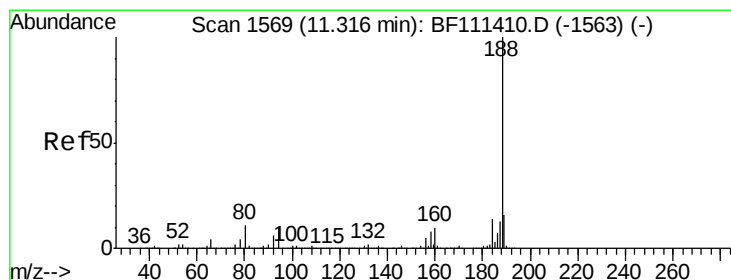
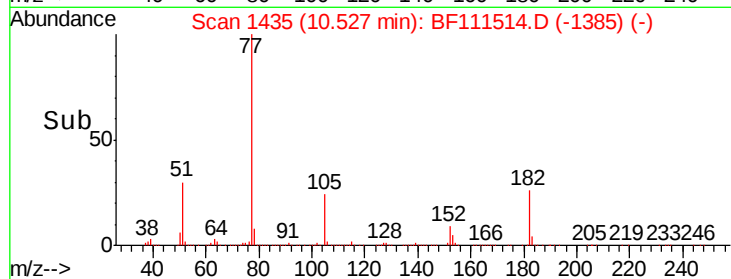
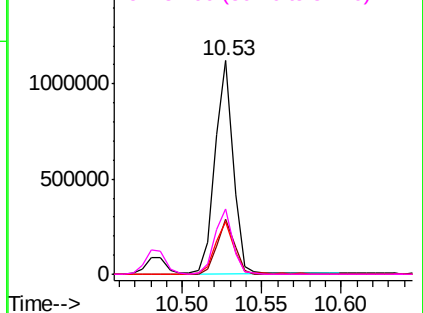


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111514.D

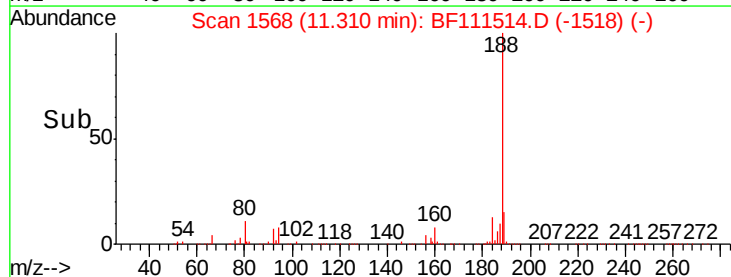
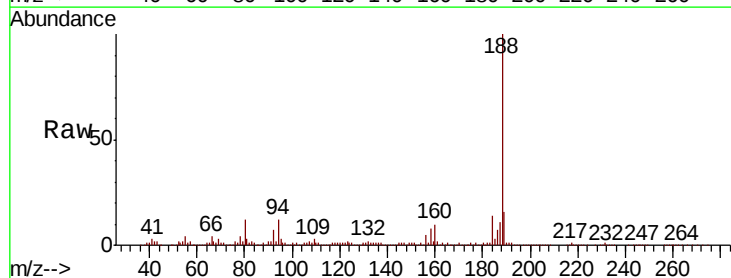
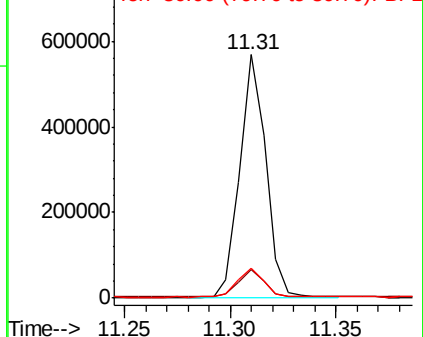
Acq: 16 Dec 2018 17:53

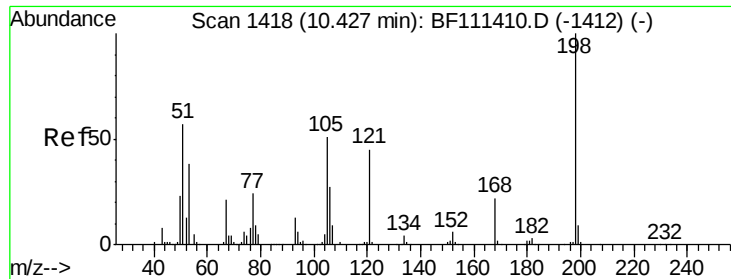
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.6	14.4
80	12.1	9.8	14.6

Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





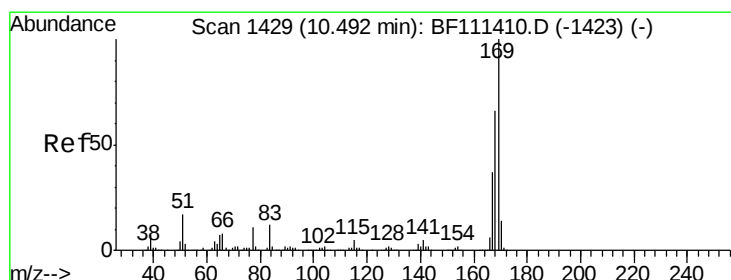
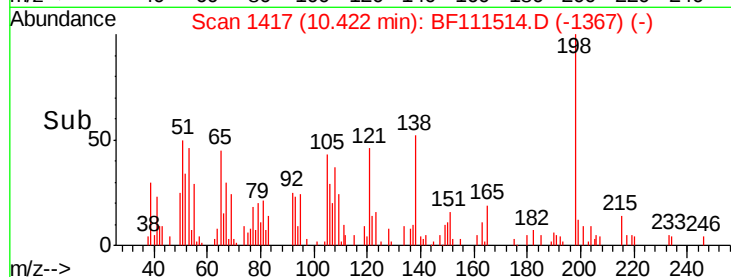
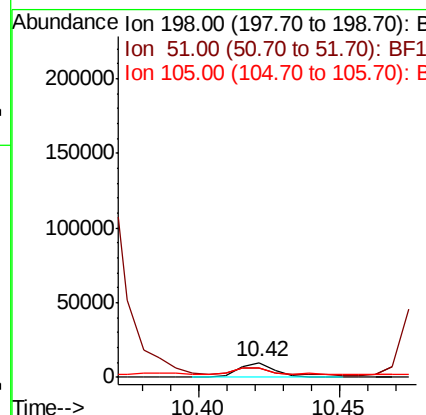
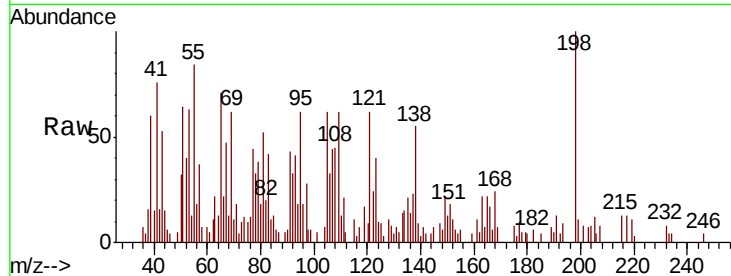
#65
4,6-Dinitro-2-methylphenol
Concen: 3.165 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	8711		
51	64.5	48.0	88.0	
105	61.5	34.0	74.0	

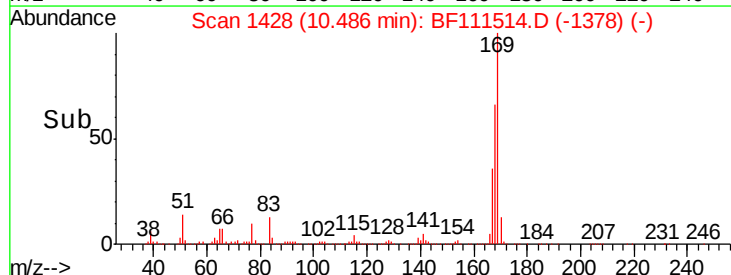
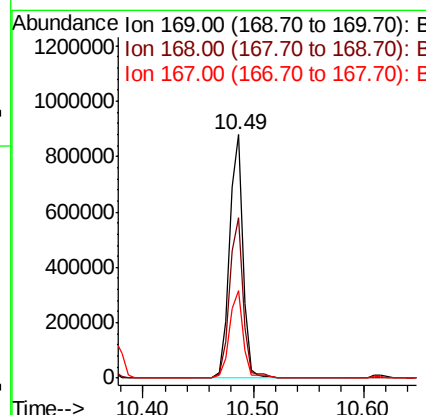
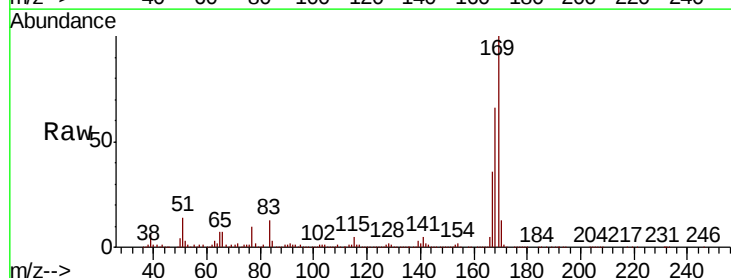
Manual Integrations
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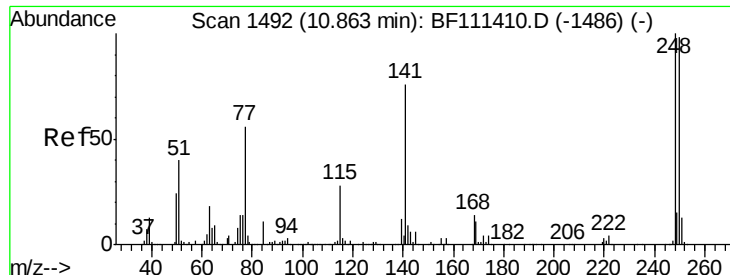
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#66
n-Nitrosodiphenylamine
Concen: 44.886 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	754742		
168	65.7	54.4	81.6	
167	35.8	30.5	45.7	





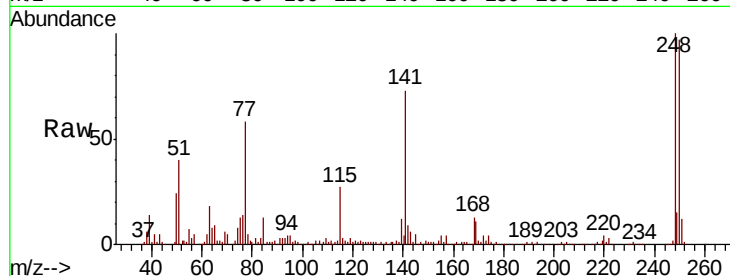
#67
4-Bromophenyl-phenylether
Concen: 42.452 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.0	115.4
141	73.0	63.0	94.6

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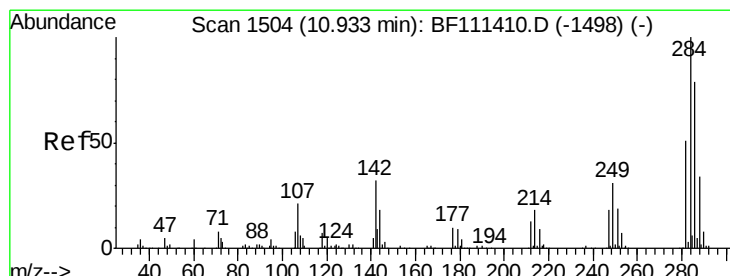
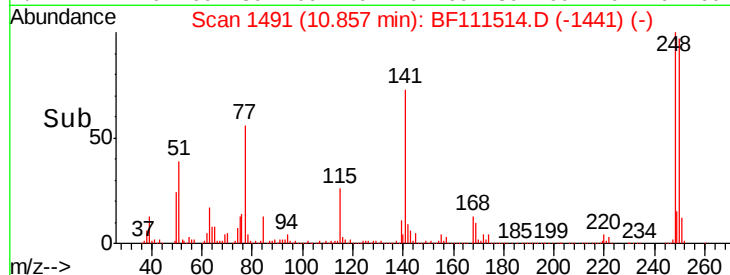
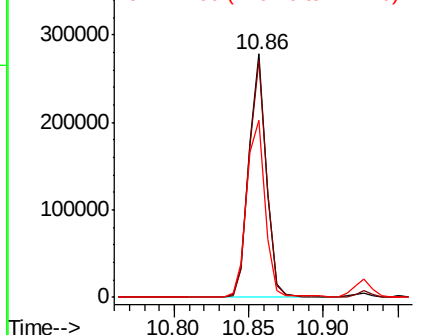


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 45.609 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

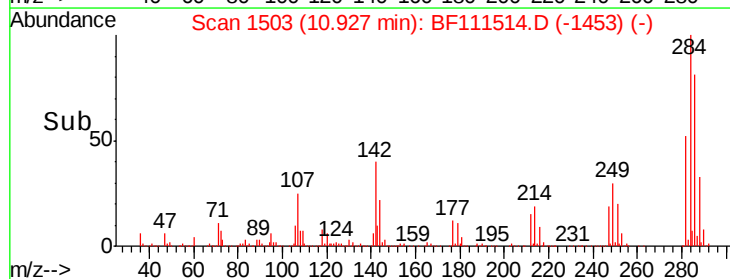
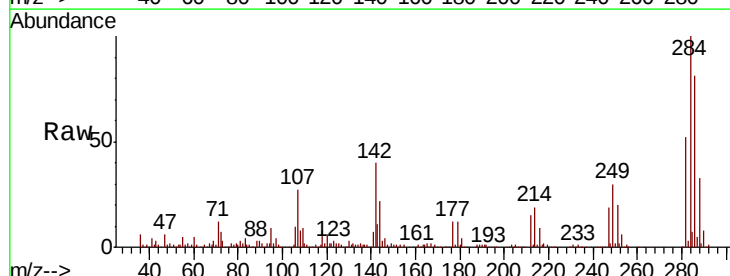
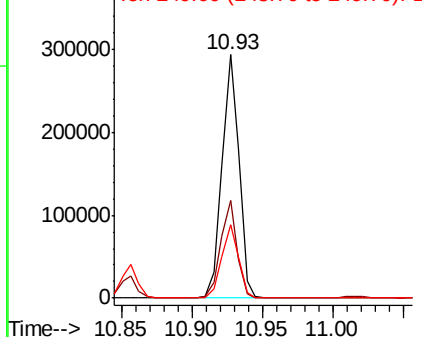
Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.9	27.4	41.2
249	30.4	24.4	36.6

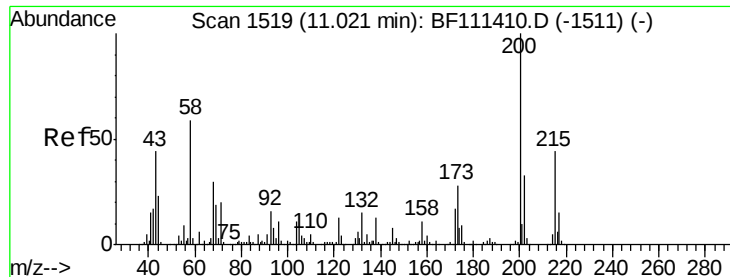
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





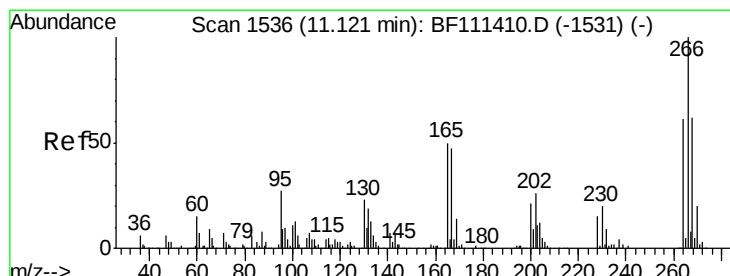
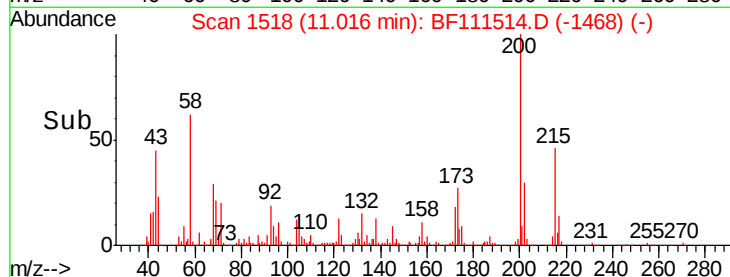
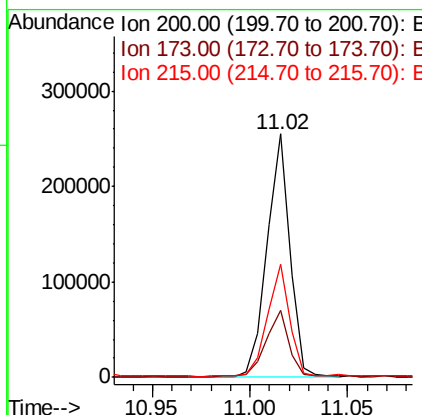
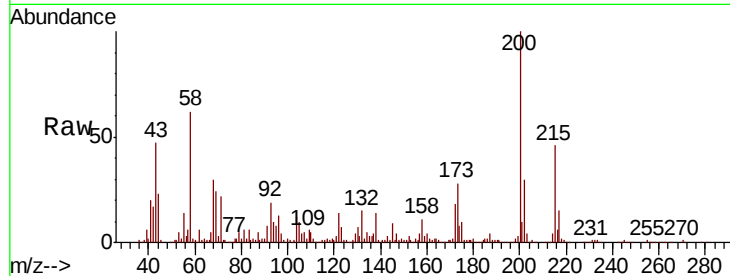
#69
 Atrazine
 Concen: 42.813 ng
 RT: 11.02 min Scan# 1518
 Delta R.T. -0.01 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS015-0612-01MSD

Tot Ion:	200	Resp:	208045
Ion Ratio	Lower	Upper	
200	100		
173	27.6	10.1	50.1
215	46.2	26.9	66.9

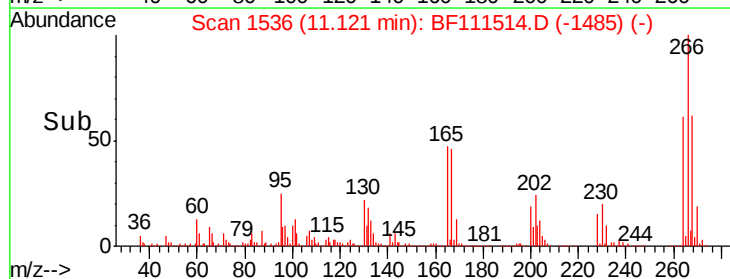
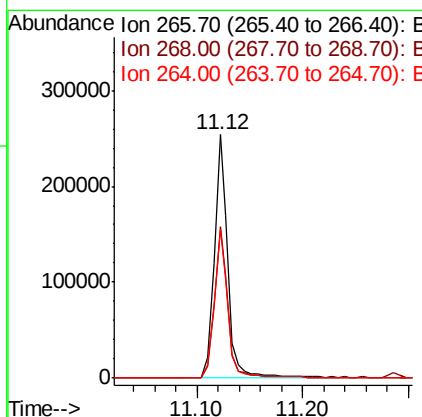
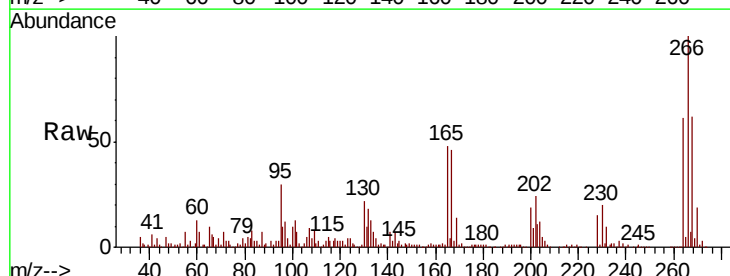
Manual Integrations
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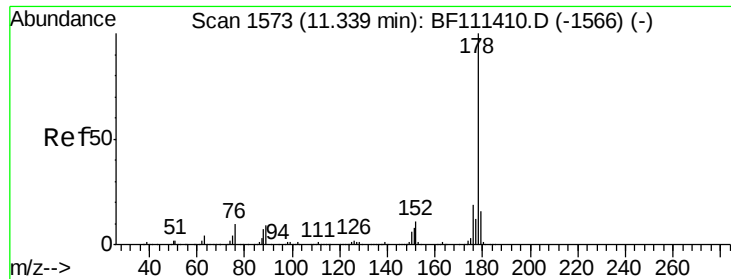
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 12/17/2018 11:19:51 AM



#70
 Pentachlorophenol
 Concen: 70.137 ng
 RT: 11.12 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Tgt Ion:	266	Resp:	232551
Ion Ratio	Lower	Upper	
266	100		
268	62.4	47.9	71.9
264	61.1	49.1	73.7





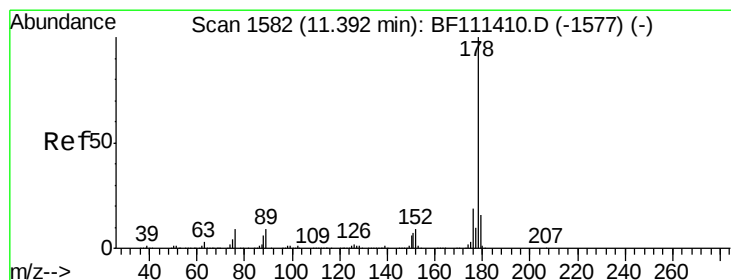
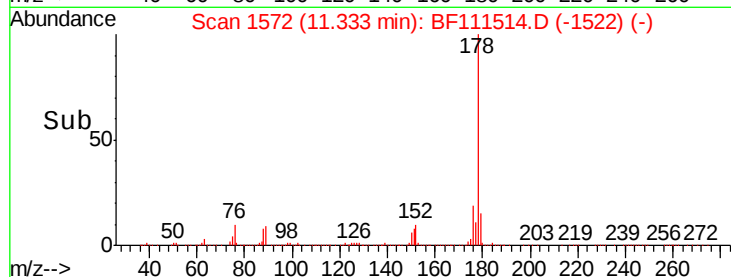
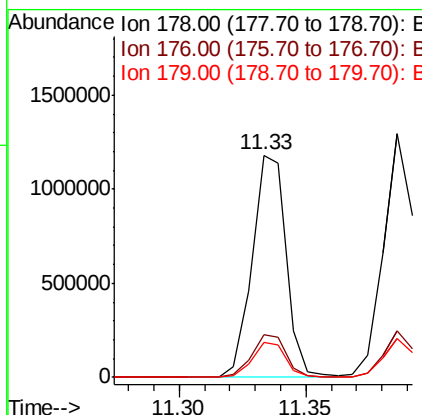
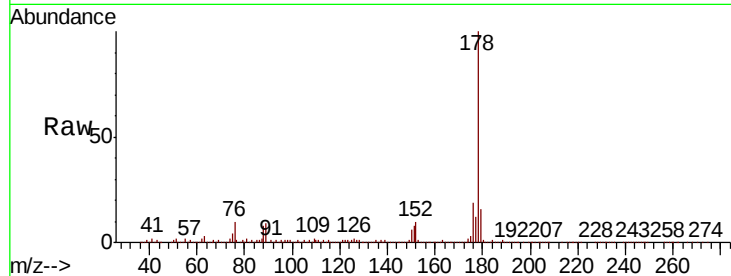
#71
Phenanthrene
Concen: 43.798 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion:178 Resp: 1100421
Ion Ratio Lower Upper
178 100
176 19.1 18.1 27.1
179 15.7 14.0 21.0

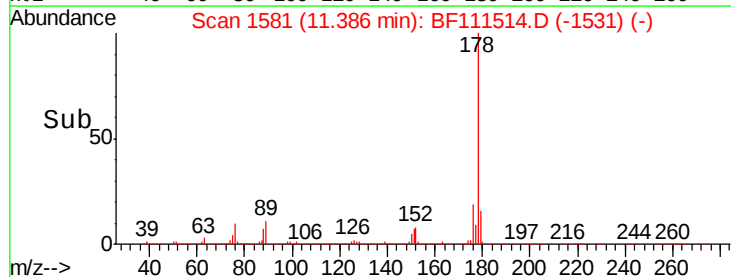
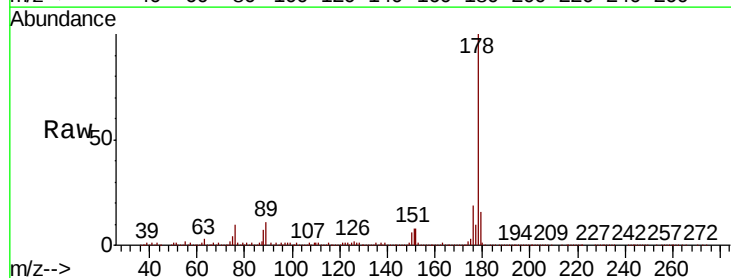
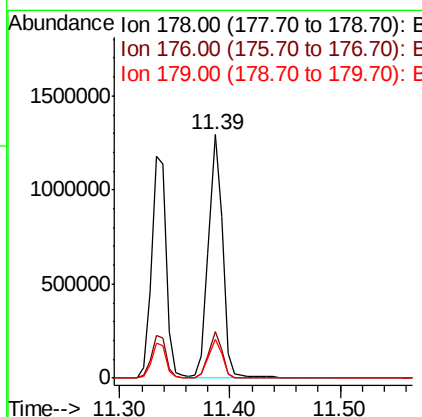
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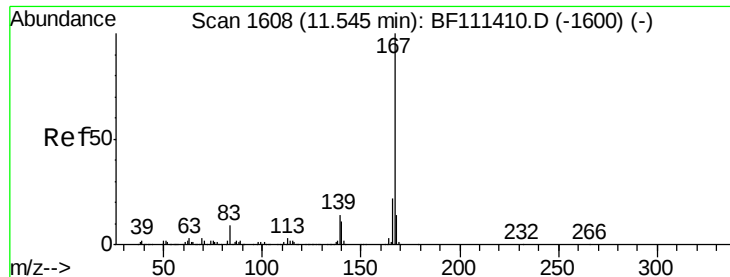
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#72
Anthracene
Concen: 43.280 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion:178 Resp: 1112075
Ion Ratio Lower Upper
178 100
176 18.9 17.2 25.8
179 15.8 13.8 20.8





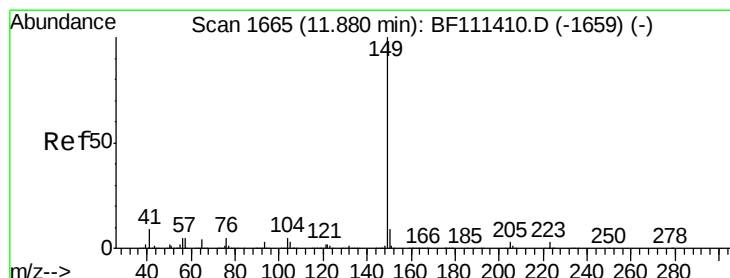
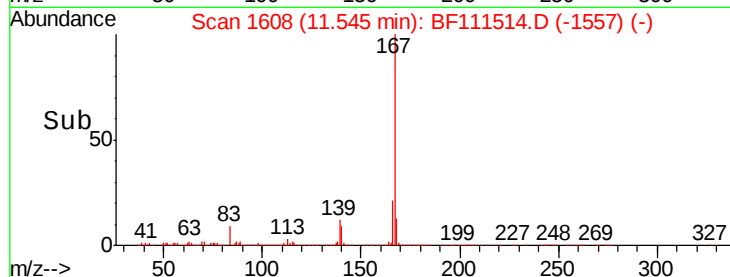
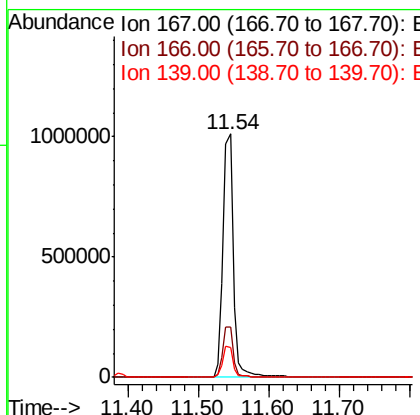
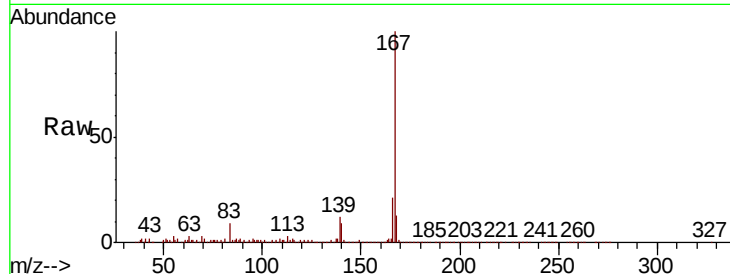
#73
 Carbazole
 Concen: 38.978 ng
 RT: 11.54 min Scan# 1608
 Delta R.T. 0.00 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.8	19.3	28.9
139	12.3	11.9	17.9

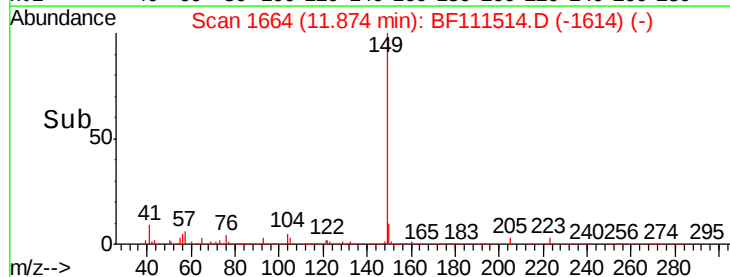
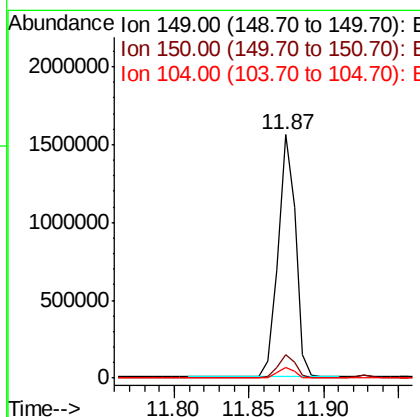
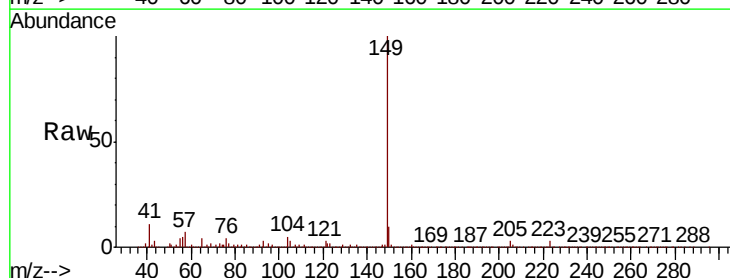
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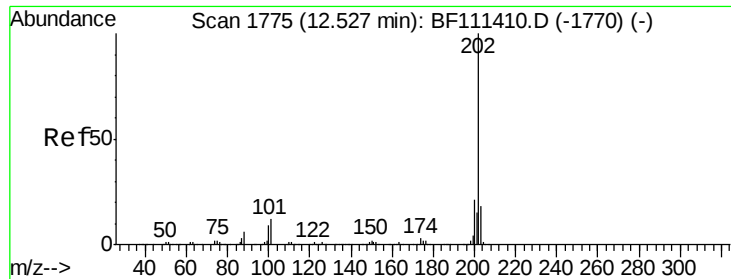
Sohil
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#74
 Di-n-butylphthalate
 Concen: 42.952 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF111514.D
 Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	8.8	13.2
104	4.6	4.5	6.7





#75

Fluoranthene

Concen: 44.620 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

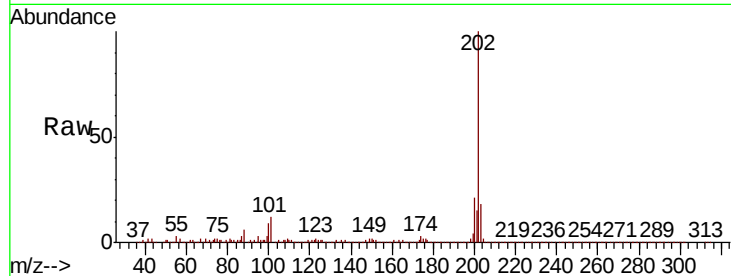
ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion:	202	Resp:	1096734
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.8
203	17.8	0.0	38.6

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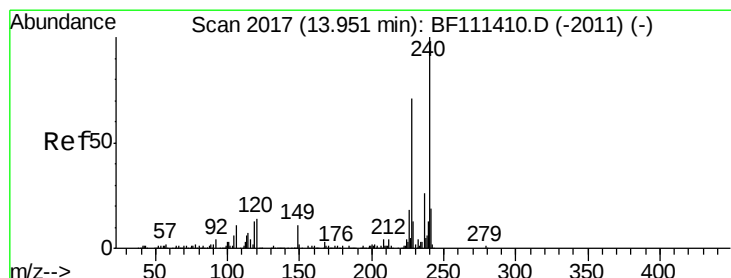
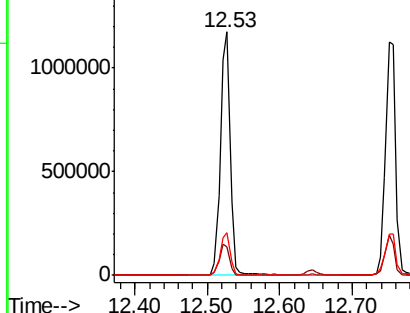
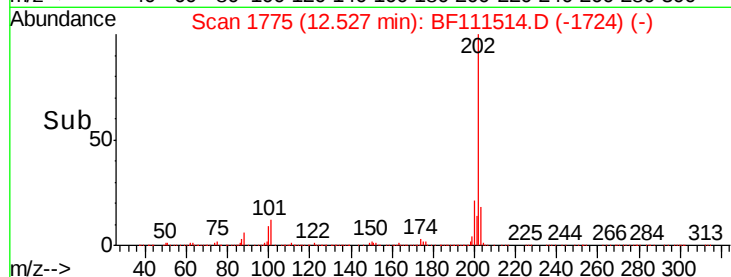


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

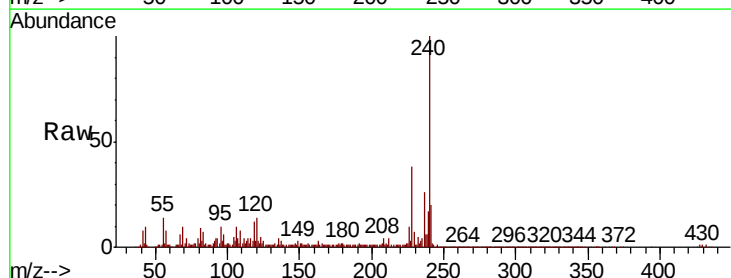
RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Tgt Ion:	240	Resp:	406625
Ion	Ratio	Lower	Upper
240	100		
120	13.8	12.2	18.2
236	25.5	20.2	30.2

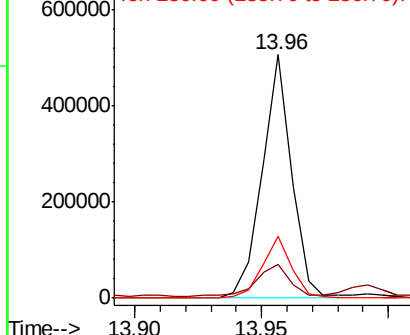
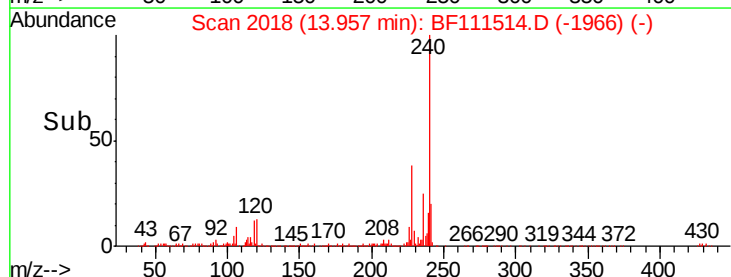


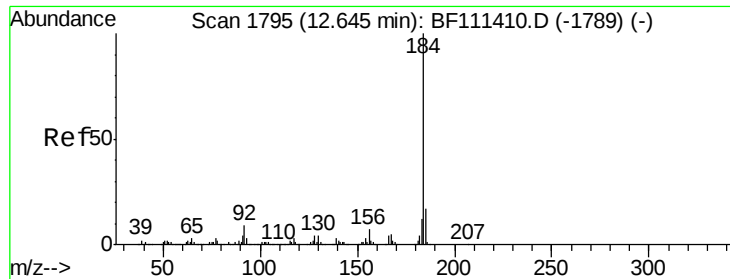
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.336 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.02 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

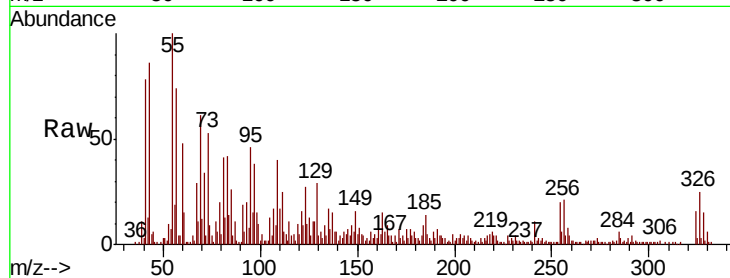
ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
184	100		
185	165.1	13.0	19.6#
183	45.8	9.3	13.9#

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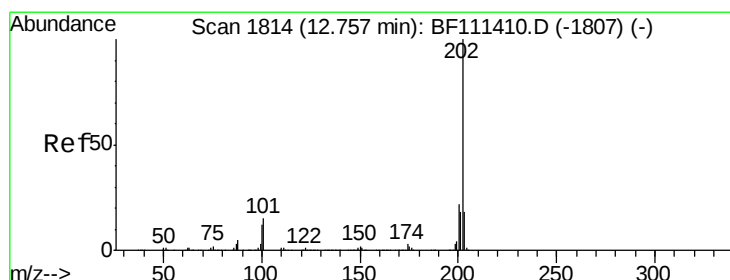
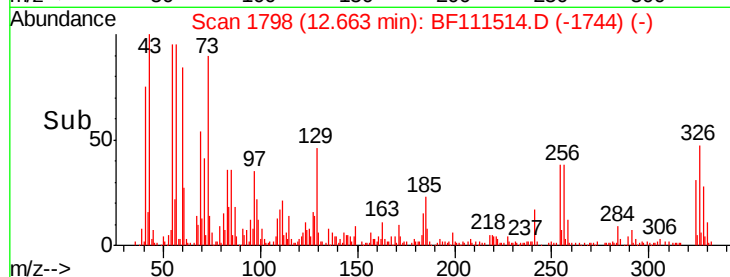
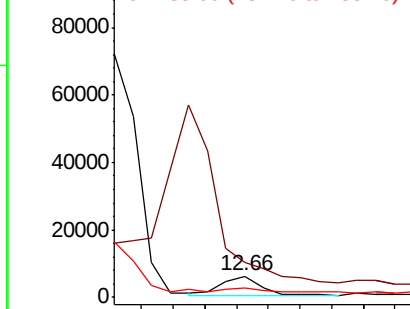


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 38.565 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

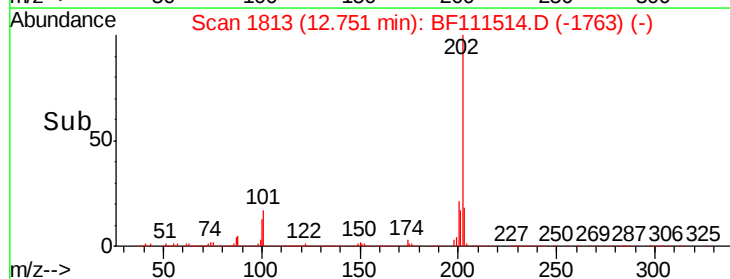
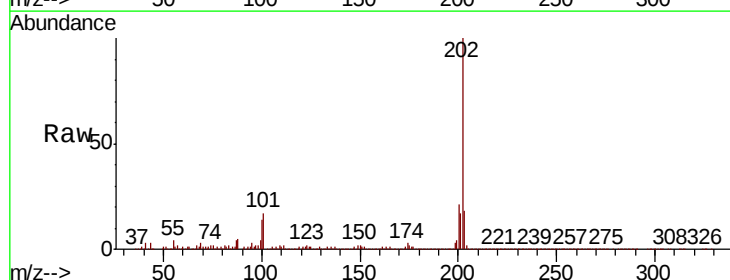
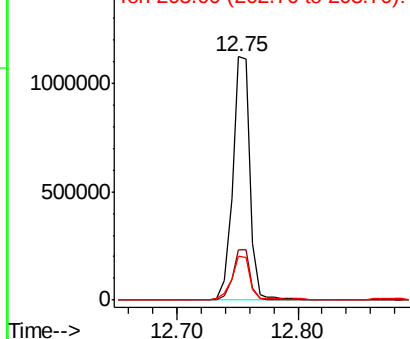
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	19.0	28.4
203	17.8	15.2	22.8

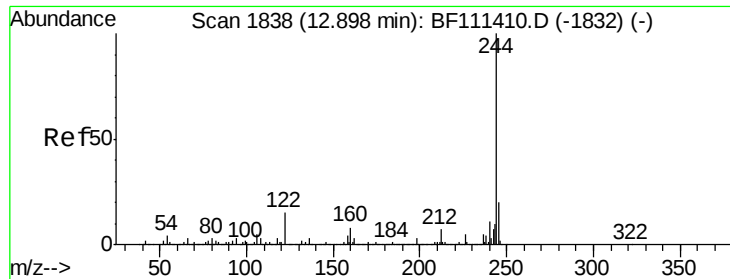
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.198 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion:244 Resp: 1094344

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

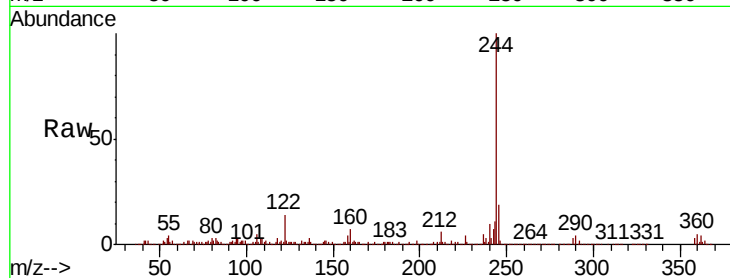
122 13.9 13.1 19.7

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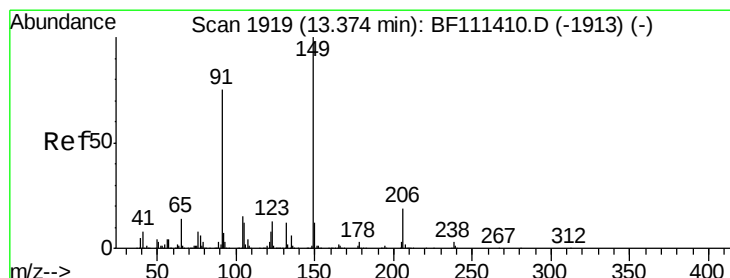
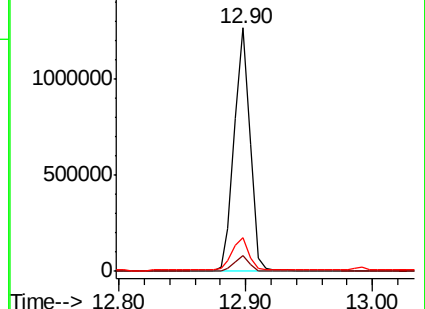
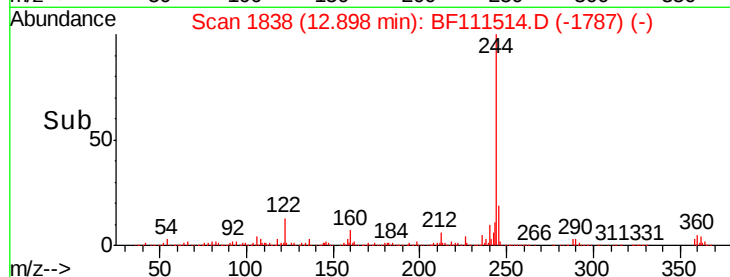
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 34.814 ng

RT: 13.37 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

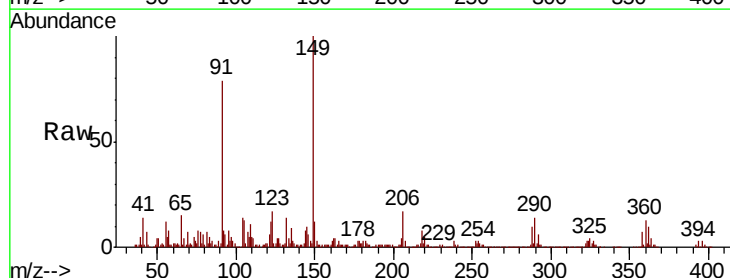
Tgt Ion:149 Resp: 486484

Ion Ratio Lower Upper

149 100

91 79.1 63.8 95.6

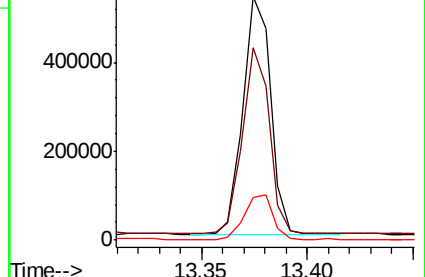
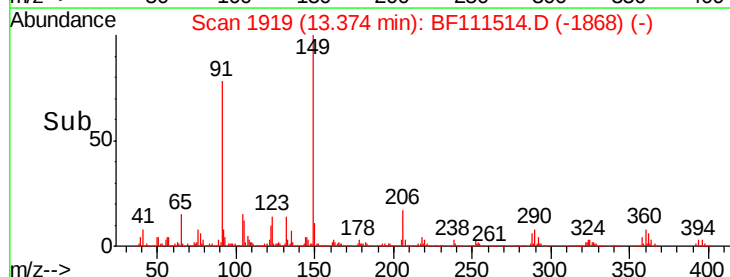
206 17.3 15.1 22.7

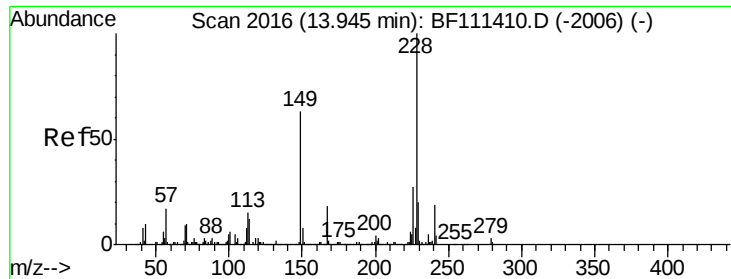


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





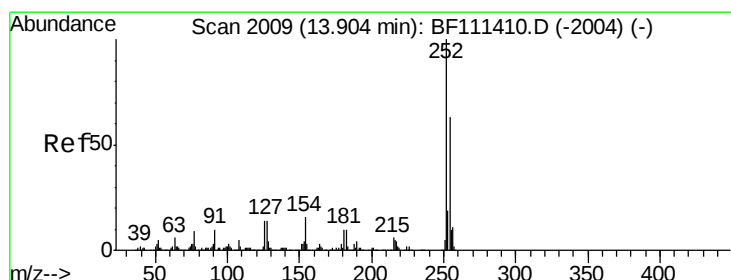
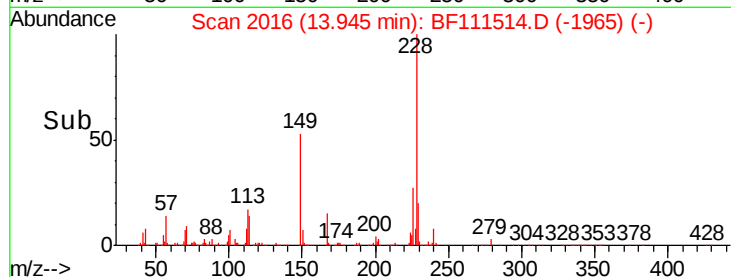
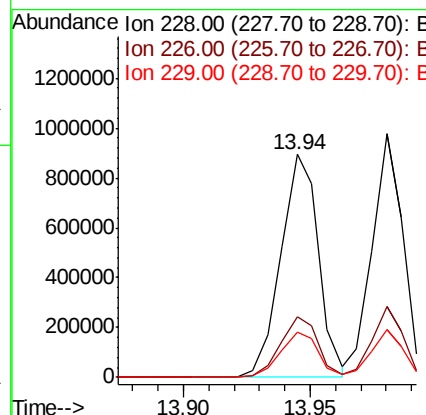
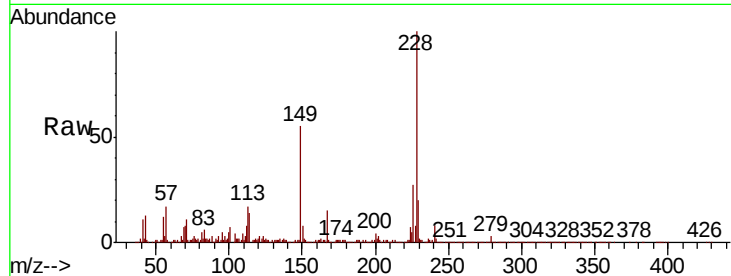
#81
Benzo(a)anthracene
Concen: 41.860 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	34.0
229	20.4	16.3	24.5

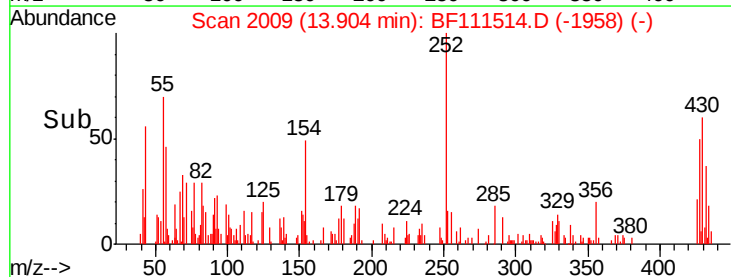
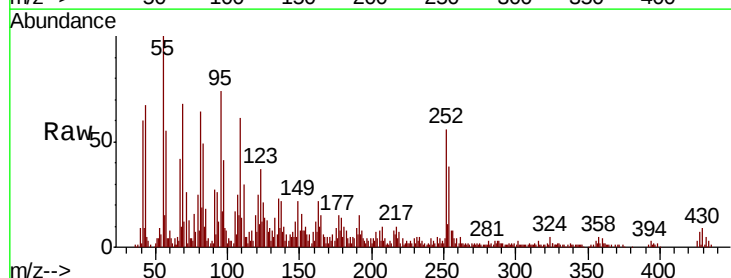
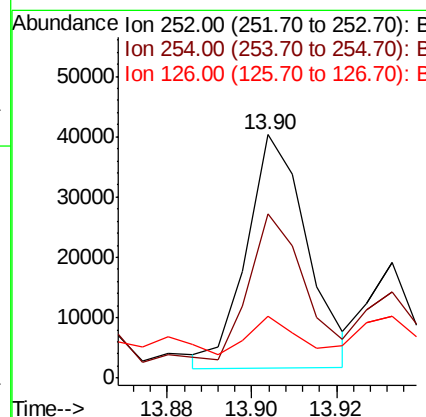
Manual Integrations
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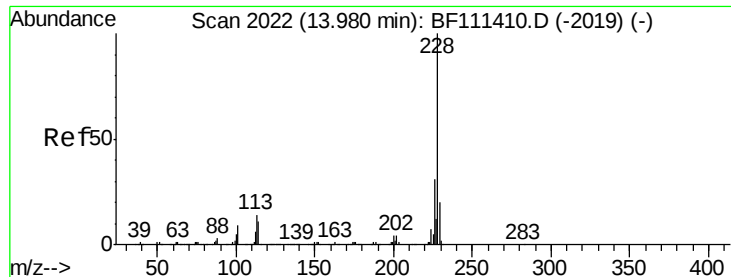
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#82
3,3'-Dichlorobenzidine
Concen: 4.324 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
254	67.5	52.7	79.1
126	25.6	11.1	16.7#





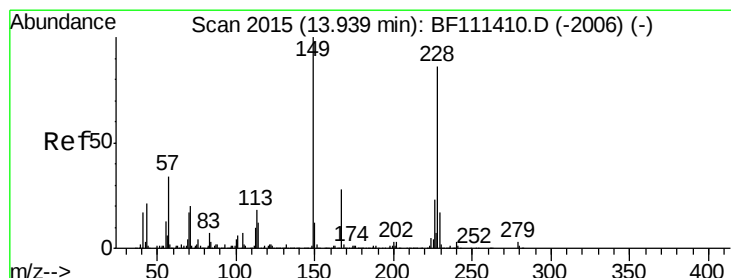
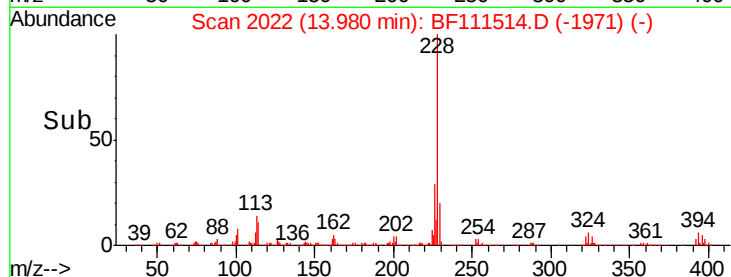
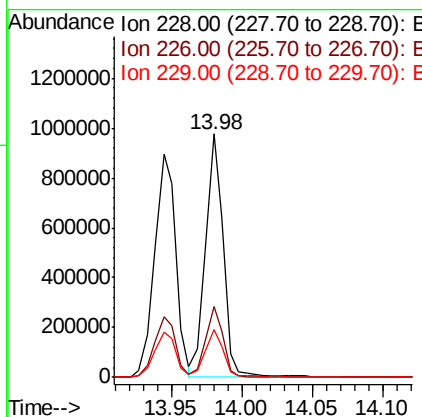
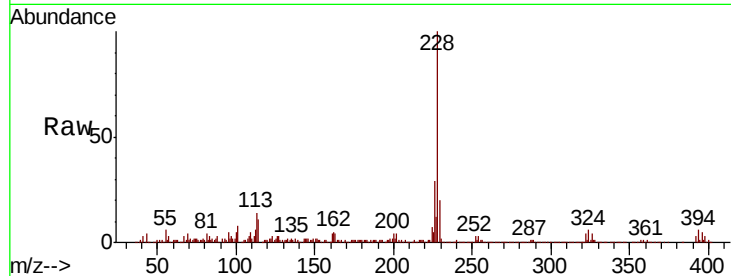
#83
Chrysene
Concen: 36.174 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.3	37.9
229	19.8	17.2	25.8

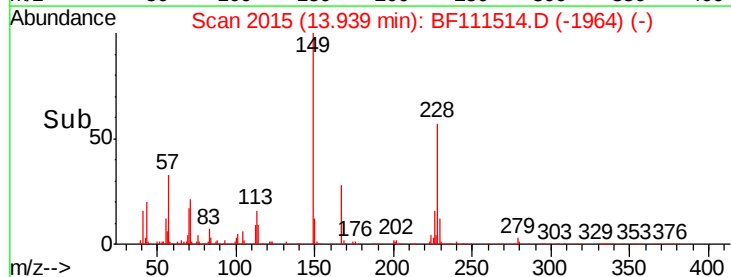
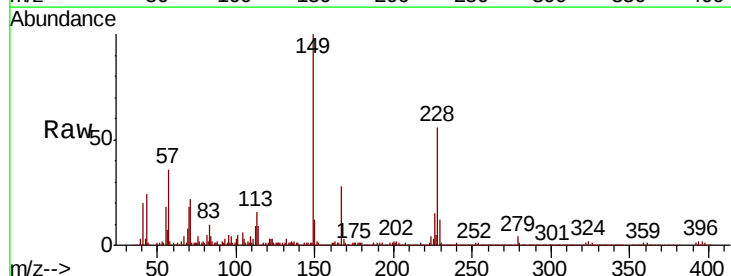
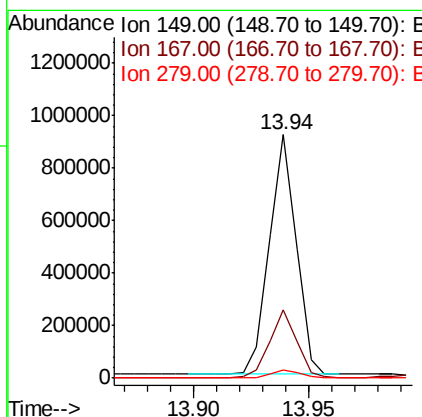
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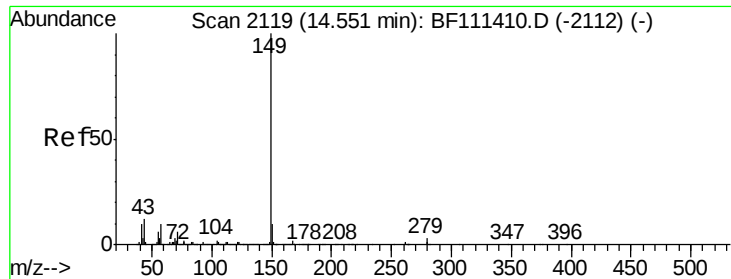
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#84
Bis(2-ethylhexyl)phthalate
Concen: 41.338 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.5	33.7
279	3.6	2.6	4.0





#85

Di-n-octyl phthalate

Concen: 42.947 ng

RT: 14.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion:149 Resp: 1292934

Ion Ratio Lower Upper

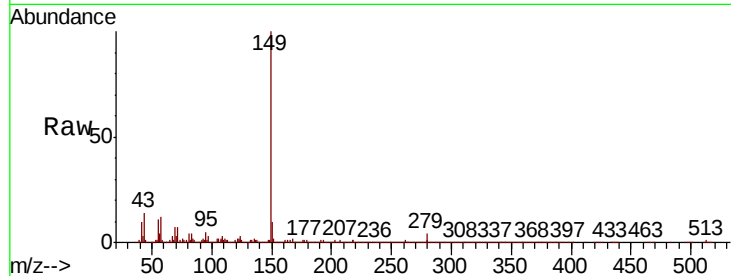
149 100

167 1.7 1.3 1.9

43 11.7 10.9 16.3

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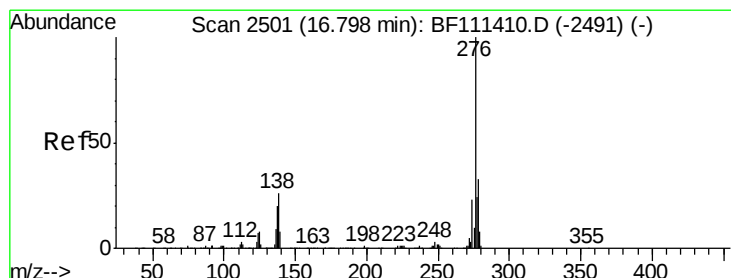
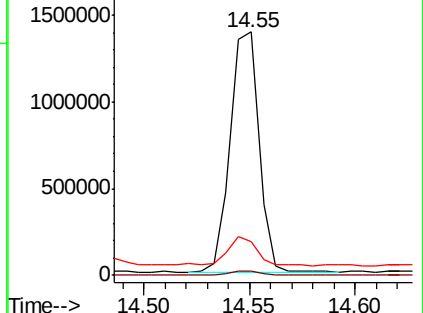
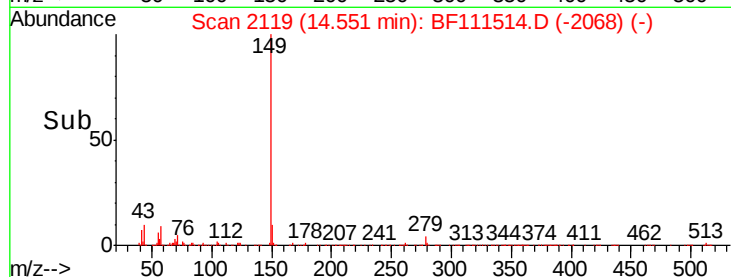
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 35.874 ng

RT: 16.82 min Scan# 2504

Delta R.T. 0.02 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

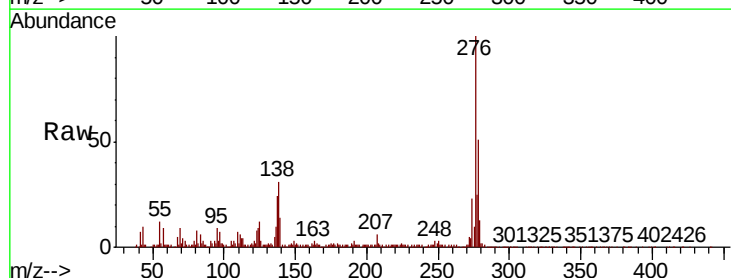
Tgt Ion:276 Resp: 603043

Ion Ratio Lower Upper

276 100

138 32.0 27.8 41.6

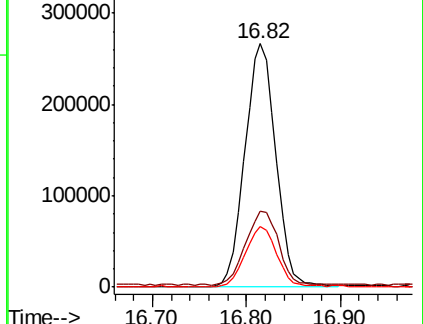
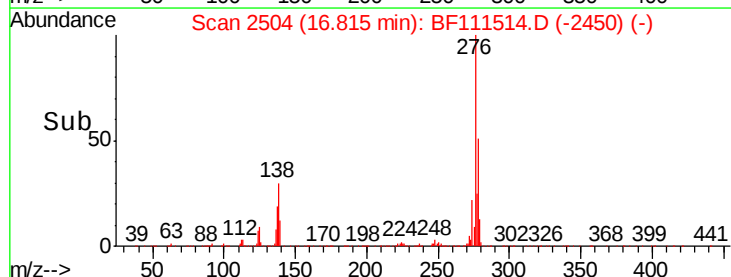
277 25.2 20.1 30.1

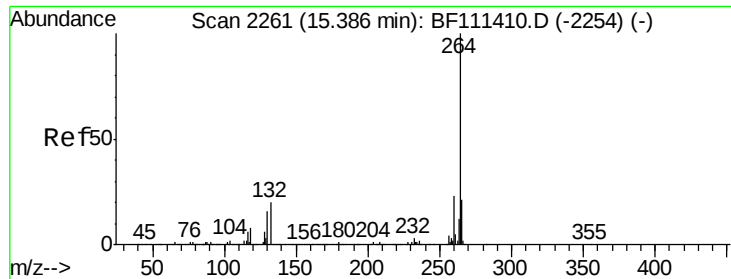


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

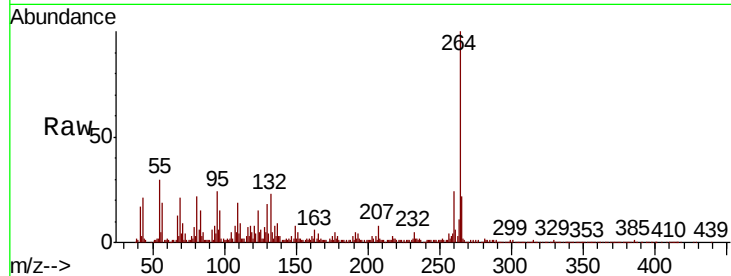
ClientSampleId :

P001-SS015-0612-01MSD

Tot Ion:	264	Resp:	293350
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.3	27.5
265	21.5	17.7	26.5

Manual Integrations
APPROVED

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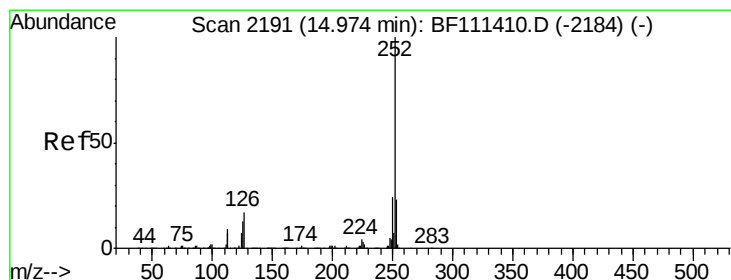
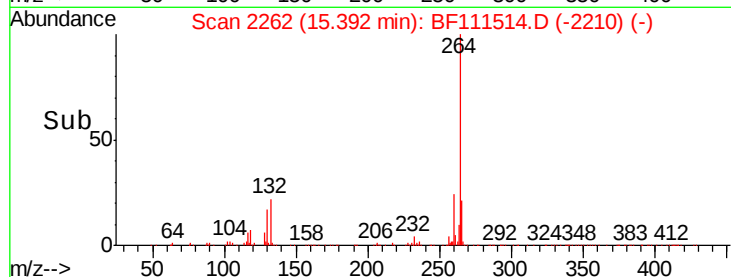
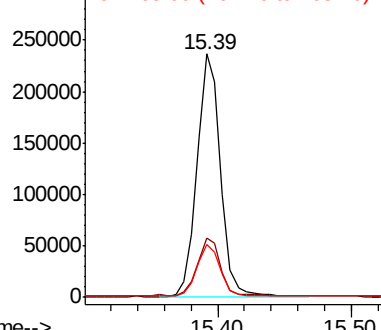


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 43.618 ng

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

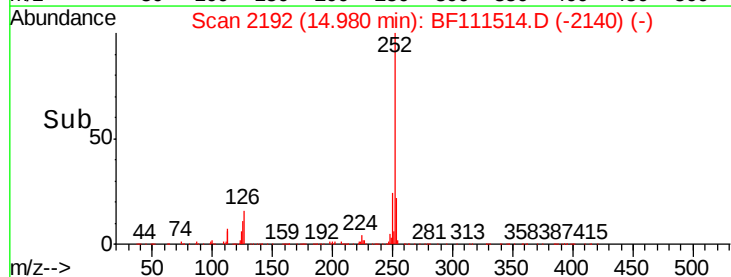
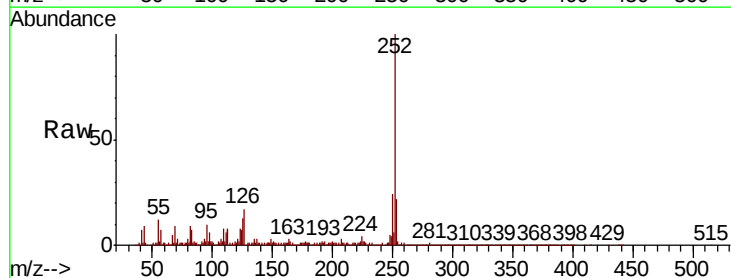
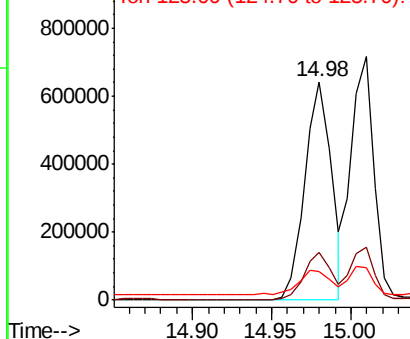
Tgt Ion:	252	Resp:	745988
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.2	27.2
125	13.3	10.4	15.6

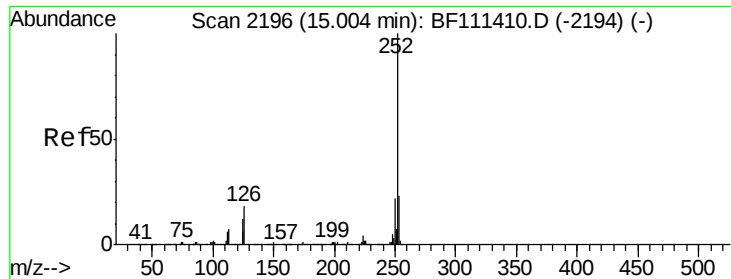
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





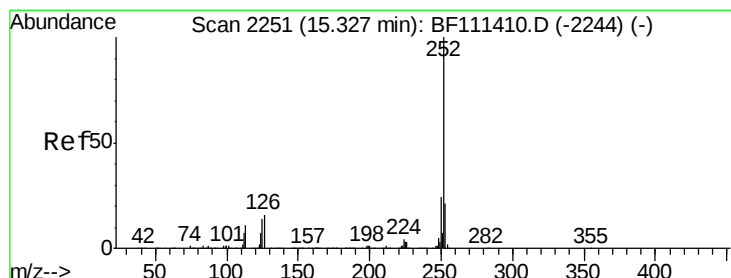
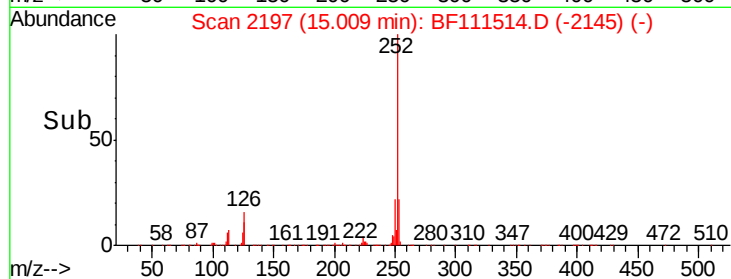
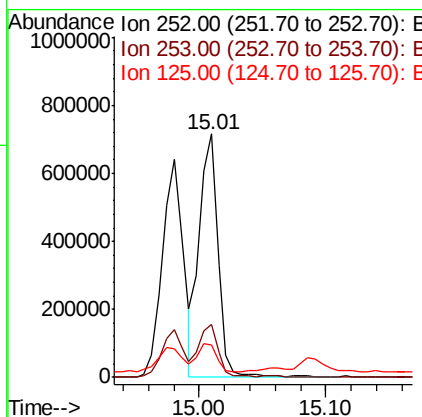
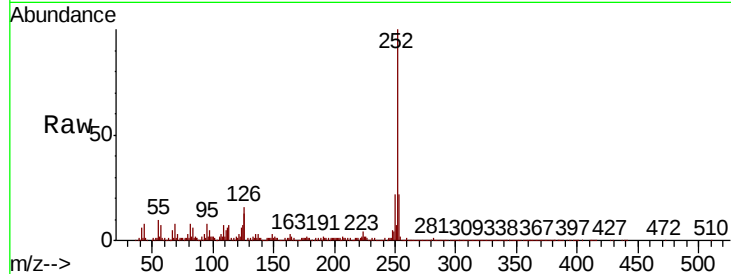
#89
Benzo(k)fluoranthene
Concen: 44.702 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	13.3	9.8	14.8

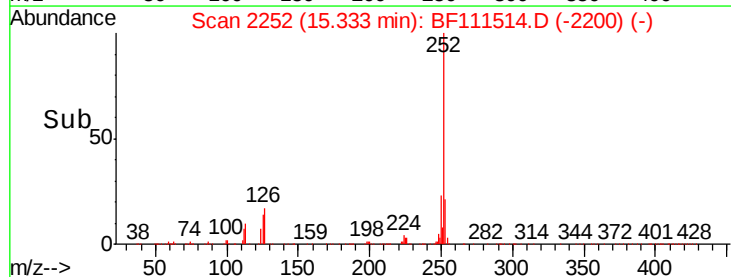
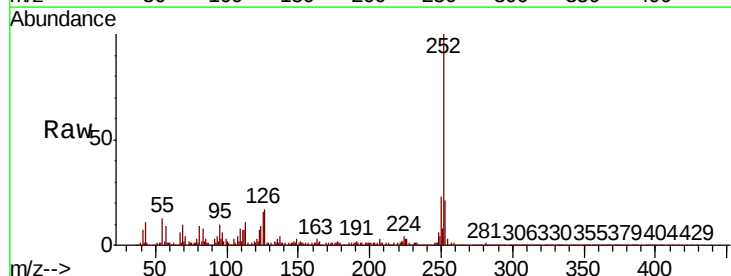
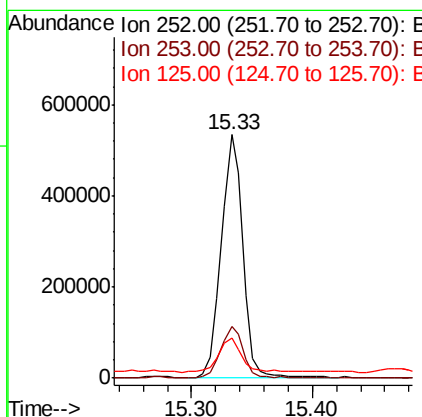
Manual Integrations
APPROVED

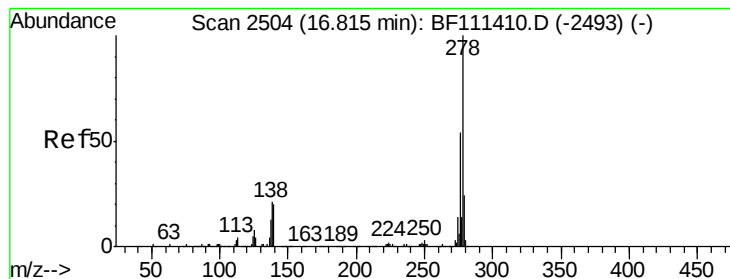
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#90
Benzo(a)pyrene
Concen: 42.464 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111514.D
Acq: 16 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	16.4	12.3	18.5





#91

Dibenzo(a,h)anthracene

Concen: 41.640 ng

RT: 16.83 min Scan# 2506

Delta R.T. 0.01 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Instrument :

BNA_F

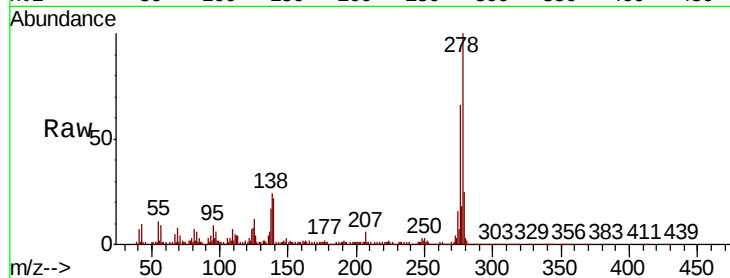
ClientSampleId :

P001-SS015-0612-01MSD

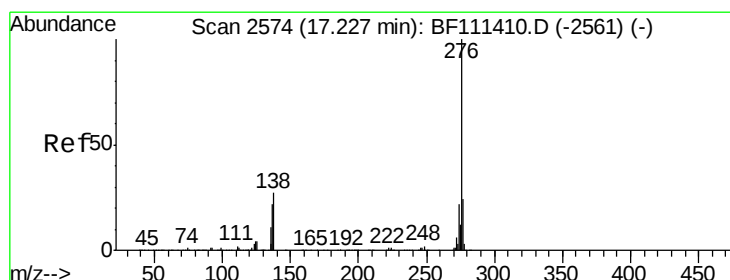
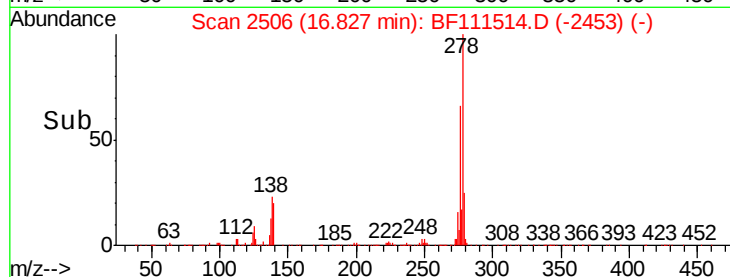
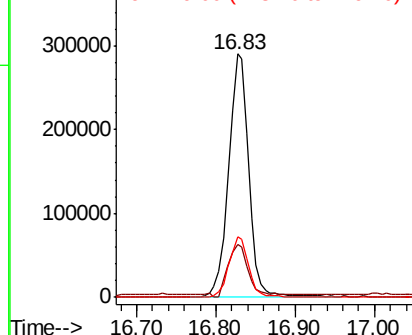
Tot Ion:	278	Resp:	506586
Ion Ratio	Lower	Upper	
278	100		
139	21.6	18.2	27.4
279	24.7	19.0	28.6

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 42.190 ng

RT: 17.24 min Scan# 2577

Delta R.T. 0.02 min

Lab File: BF111514.D

Acq: 16 Dec 2018 17:53

Tgt Ion:	276	Resp:	503822
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.2	28.8
138	27.3	24.9	37.3

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

