

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
 Data File : BF111777.D
 Acq On : 27 Dec 2018 21:55
 Operator : JU/SJ
 Sample : J6188-06MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Manual Integrations
 APPROVED

Sohil
 12/28/2018 10:37:31 AM

Quant Time: Dec 28 07:31:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	132844	20.00	ng	0.01
21) Naphthalene-d8	8.19	136	454841	20.00	ng	0.01
39) Acenaphthene-d10	9.95	164	204301	20.00	ng	0.01
64) Phenanthrene-d10	11.43	188	369721	20.00	ng	0.02
76) Chrysene-d12	14.07	240	289424	20.00	ng	0.02
87) Perylene-d12	15.56	264	226230	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	833945	107.00	ng	0.04
7) Phenol-d6	6.56	99	937576	94.53	ng	0.04
23) Nitrobenzene-d5	7.47	82	748435	95.78	ng	0.01
42) 2,4,6-Tribromophenol	10.74	330	302999	125.52	ng	0.02
45) 2-Fluorobiphenyl	9.26	172	1315834	93.88	ng	0.00
79) Terphenyl-d14	13.02	244	1375784	90.15	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.86	88	117307	31.992	ng	# 84
3) Pyridine	3.58	79	260777	27.298	ng	98
4) n-Nitrosodimethylamine	3.51	42	196274	41.982	ng	81
6) Aniline	6.57	93	59554	4.710	ng	# 1
8) 2-Chlorophenol	6.70	128	336924	39.026	ng	97
9) Benzaldehyde	6.46	77	200223	29.352	ng	97
10) Phenol	6.57	94	327404	29.256	ng	96
11) bis(2-Chloroethyl)ether	6.64	93	334692	39.910	ng	98
12) 1,3-Dichlorobenzene	6.85	146	394672	39.447	ng	98
13) 1,4-Dichlorobenzene	6.93	146	399193	39.342	ng	98
14) 1,2-Dichlorobenzene	7.08	146	376002	39.718	ng	98
15) Benzyl Alcohol	7.05	79	289098	36.700	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.18	45	552423	35.767	ng	75
17) 2-Methylphenol	7.17	107	253005	36.599	ng	# 83
18) Hexachloroethane	7.42	117	116953	34.204	ng	# 86
19) n-Nitroso-di-n-propylamine	7.32	70	258493	39.243	ng	98
20) 3+4-Methylphenols	7.32	107	325377	37.250	ng	# 72
22) Acetophenone	7.31	105	482332	41.859	ng	# 90
24) Nitrobenzene	7.49	77	373441	45.598	ng	100
25) Isophorone	7.73	82	652066	47.005	ng	98
26) 2-Nitrophenol	7.80	139	157325	47.365	ng	96
27) 2,4-Dimethylphenol	7.85	122	277445	42.373	ng	92
28) bis(2-Chloroethoxy)methane	7.93	93	406834	44.071	ng	99
29) 2,4-Dichlorophenol	8.05	162	280229	39.790	ng	97
30) 1,2,4-Trichlorobenzene	8.13	180	324640	41.366	ng	96
31) Naphthalene	8.22	128	971190	44.439	ng	97
32) Benzoic acid	7.95	122	123864m	28.611	ng	
33) 4-Chloroaniline	8.26	127	41728	4.418	ng	97
34) Hexachlorobutadiene	8.33	225	201791	42.188	ng	98
35) Caprolactam	8.61	113	55332	23.186	ng	93
36) 4-Chloro-3-methylphenol	8.75	107	256461	37.045	ng	98
37) 2-Methylnaphthalene	8.90	142	638943	44.937	ng	97
38) 1-Methylnaphthalene	9.00	142	600062	43.942	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.07	216	305999	45.581	ng	# 98

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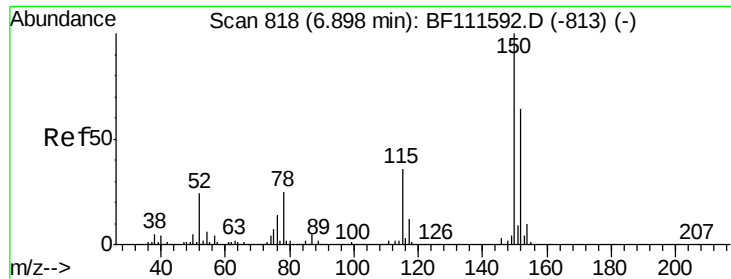
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.06	237	105417	32.359	ng	98
43) 2,4,6-Trichlorophenol	9.19	196	189484	42.275	ng	99
44) 2,4,5-Trichlorophenol	9.23	196	193496	42.081	ng	95
46) 1,1'-Biphenyl	9.36	154	769390	44.612	ng	94
47) 2-Chloronaphthalene	9.39	162	588340	43.058	ng	94
48) 2-Nitroaniline	9.48	65	182991	51.479	ng	97
49) Acenaphthylene	9.81	152	913656	45.797	ng	94
50) Dimethylphthalate	9.66	163	702141	46.998	ng	98
51) 2,6-Dinitrotoluene	9.72	165	138259	46.411	ng	97
52) Acenaphthene	9.98	154	536124	43.571	ng	98
53) 3-Nitroaniline	9.89	138	76439	24.059	ng	98
54) 2,4-Dinitrophenol	9.99	184	21413	27.659	ng	# 73
55) Dibenzofuran	10.15	168	802315	43.160	ng	95
56) 4-Nitrophenol	10.07	139	162505	67.023	ng	93
57) 2,4-Dinitrotoluene	10.12	165	176801	49.381	ng	# 94
58) Fluorene	10.49	166	615127	45.921	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.27	232	162104	41.891	ng	89
60) Diethylphthalate	10.36	149	668439	45.611	ng	99
61) 4-Chlorophenyl-phenylether	10.48	204	316111	42.713	ng	97
62) 4-Nitroaniline	10.50	138	144261	46.718	ng	89
63) Azobenzene	10.65	77	605310	41.142	ng	94
65) 4,6-Dinitro-2-methylphenol	10.53	198	18284	16.990	ng	80
66) n-Nitrosodiphenylamine	10.60	169	534739	43.087	ng	99
67) 4-Bromophenyl-phenylether	10.97	248	193633	42.225	ng	91
68) Hexachlorobenzene	11.05	284	218694	42.772	ng	98
69) Atrazine	11.13	200	172512	40.011	ng	96
70) Pentachlorophenol	11.24	266	163376	51.686	ng	95
71) Phenanthrene	11.46	178	897014	45.748	ng	95
72) Anthracene	11.51	178	922215	46.858	ng	95
73) Carbazole	11.66	167	792264	41.463	ng	95
74) Di-n-butylphthalate	11.99	149	995281	46.457	ng	96
75) Fluoranthene	12.64	202	944045	47.546	ng	95
77) Benzidine	12.76	184	130427	11.976	ng	# 95
78) Pyrene	12.87	202	953969	46.675	ng	96
80) Butylbenzylphthalate	13.49	149	410610	49.286	ng	88
81) Benzo(a)anthracene	14.06	228	785671	47.566	ng	99
82) 3,3'-Dichlorobenzidine	14.02	252	83936	12.862	ng	97
83) Chrysene	14.10	228	731000	45.029	ng	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	572142	54.520	ng	# 98
85) Di-n-octyl phthalate	14.66	149	901483	55.445	ng	96
86) Indeno(1,2,3-cd)pyrene	17.07	276	571677	41.424	ng	# 86
88) Benzo(b)fluoranthene	15.12	252	665390	50.325	ng	# 96
89) Benzo(k)fluoranthene	15.15	252	560536	44.531	ng	# 97
90) Benzo(a)pyrene	15.50	252	568660	47.341	ng	# 93
91) Dibenzo(a,h)anthracene	17.08	278	489018	46.490	ng	# 90
92) Benzo(g,h,i)perylene	17.52	276	468567	45.620	ng	# 88

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



#1

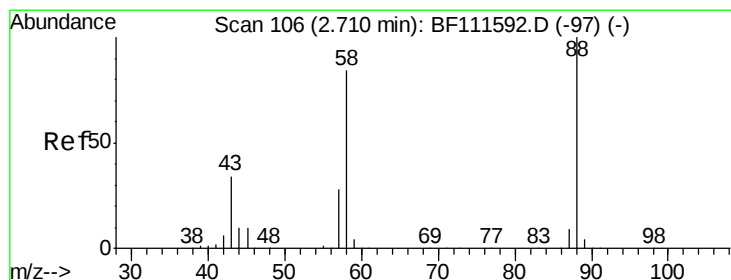
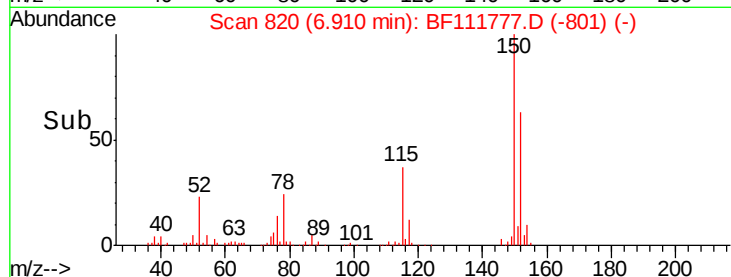
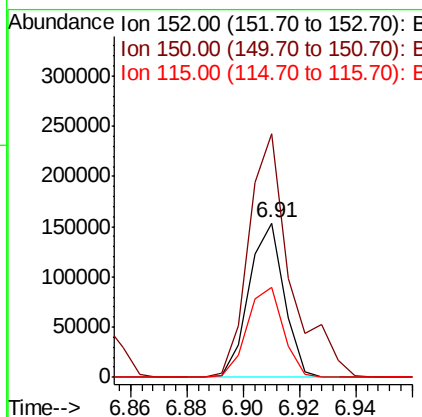
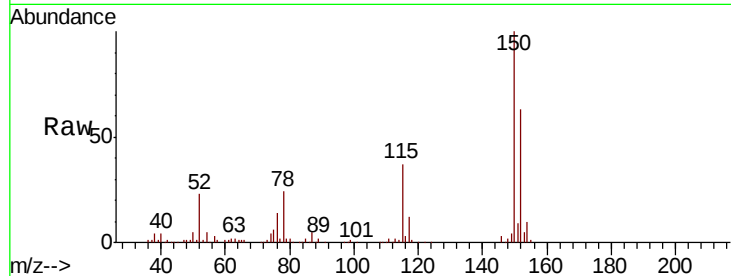
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.6	189.8
115	58.1	50.7	76.1

Manual Integrations
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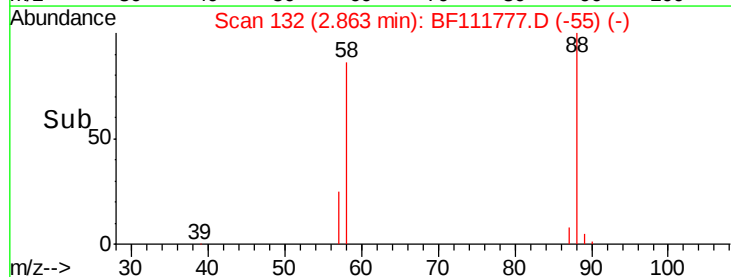
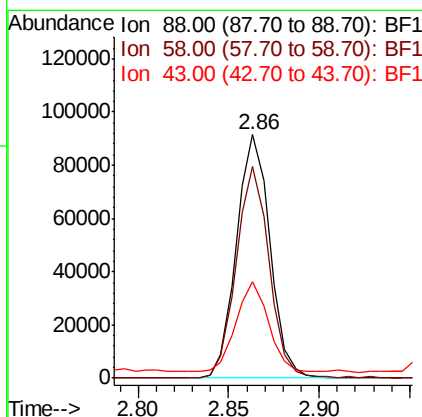
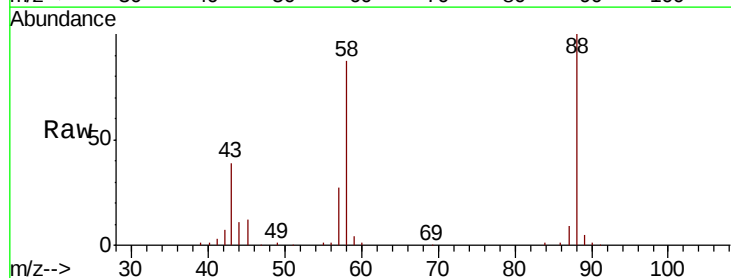
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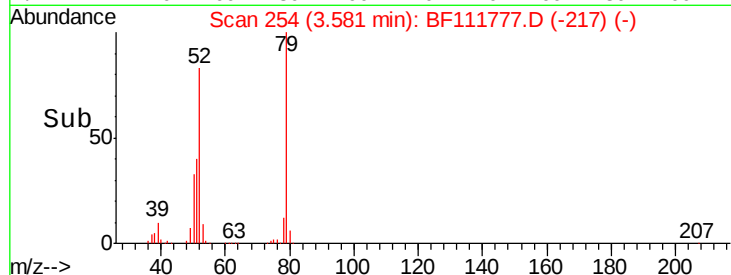
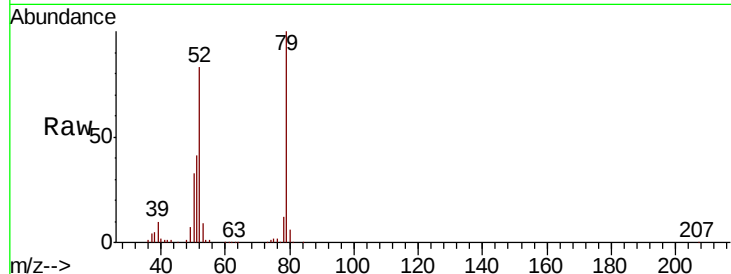
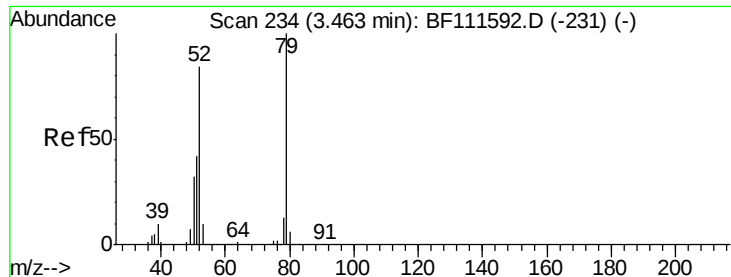


#2

1,4-Dioxane
Concen: 31.992 ng
RT: 2.86 min Scan# 132
Delta R.T. 0.15 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.4	68.9	103.3
43	0.0	25.8	38.6#





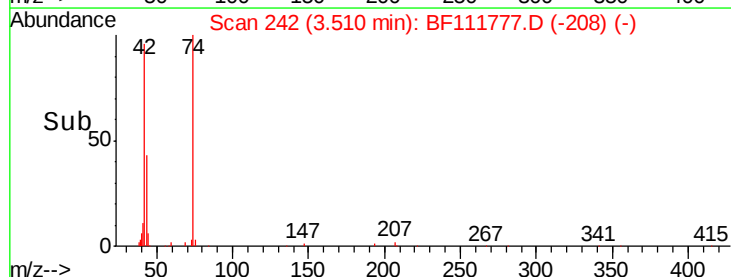
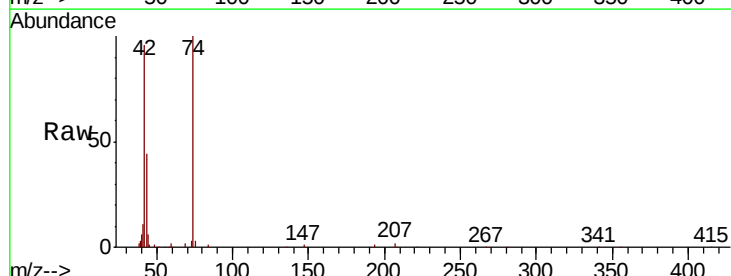
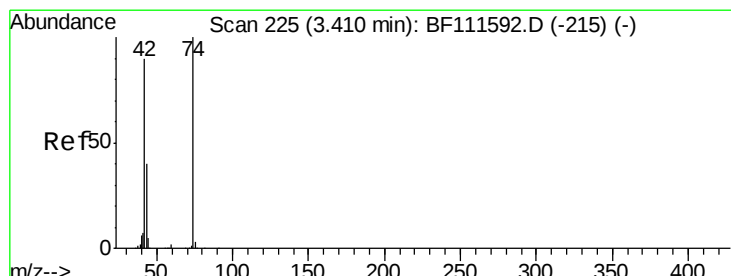
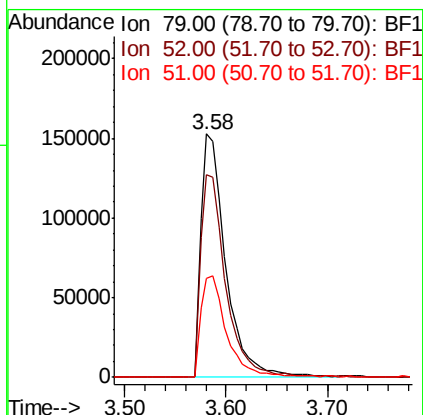
#3
 Pvrindine
 Concen: 27.298 ng
 RT: 3.58 min Scan# 254
 Delta R.T. 0.12 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tot Ion	Ratio	Lower	Upper
79	100		
52	83.3	68.3	102.5
51	40.8	32.6	49.0

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

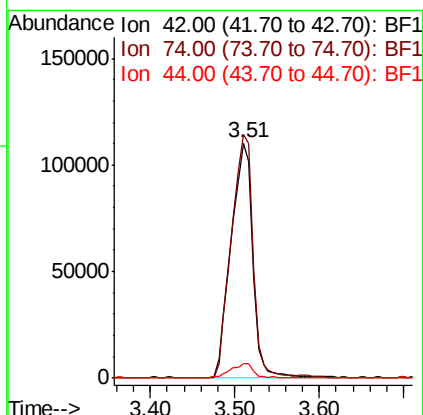
Manual Integrations
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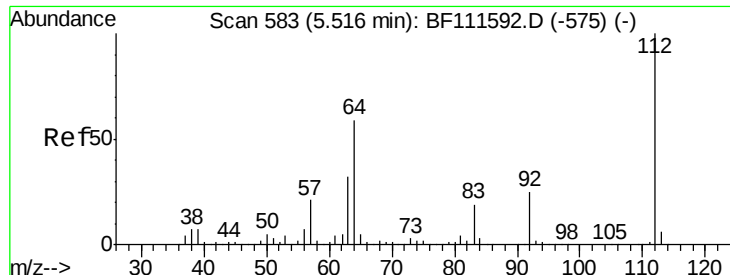
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#4
 n-Nitrosodimethylamine
 Concen: 41.982 ng
 RT: 3.51 min Scan# 242
 Delta R.T. 0.10 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
42	100		
74	103.7	101.5	152.3
44	6.3	6.0	9.0





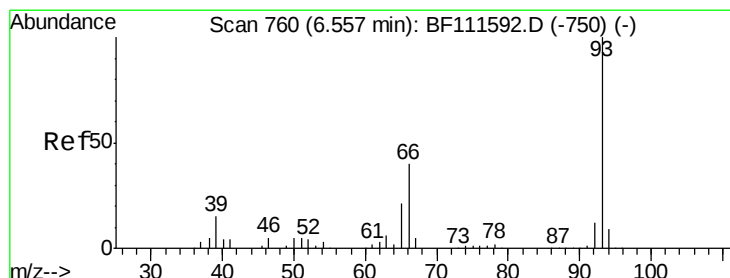
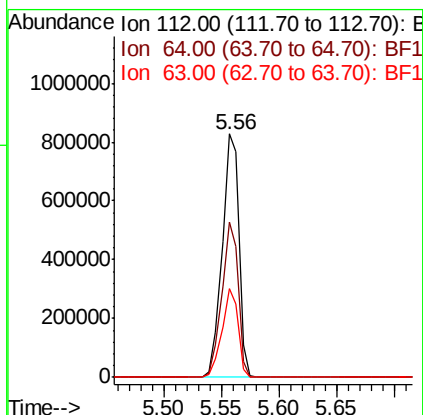
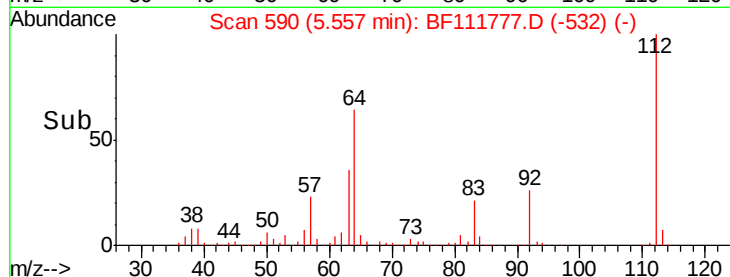
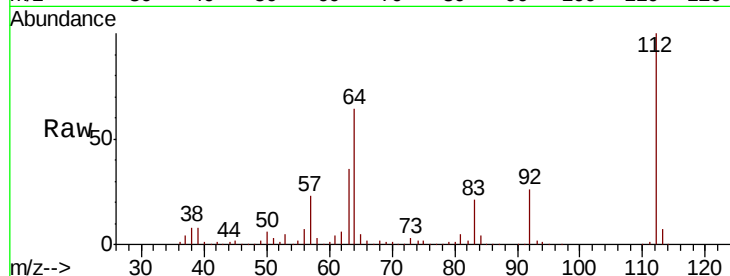
#5
2-Fluorophenol
Concen: 107.004 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.04 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	833945		
64	63.6	51.8	77.6	
63	36.3	26.8	40.2	

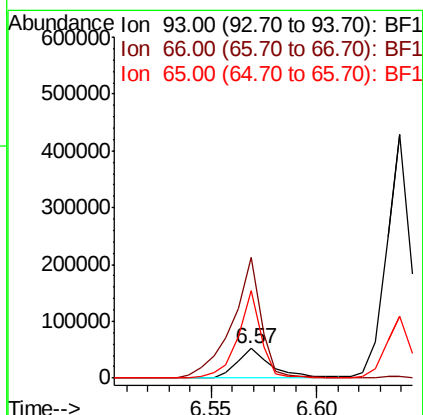
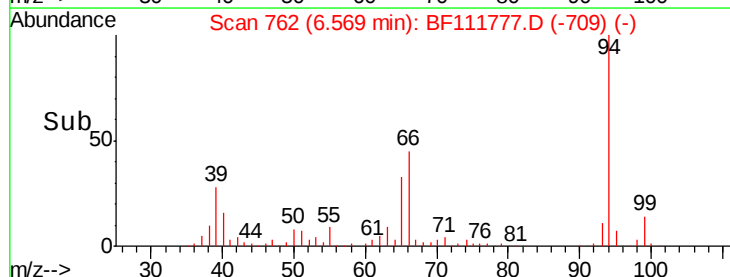
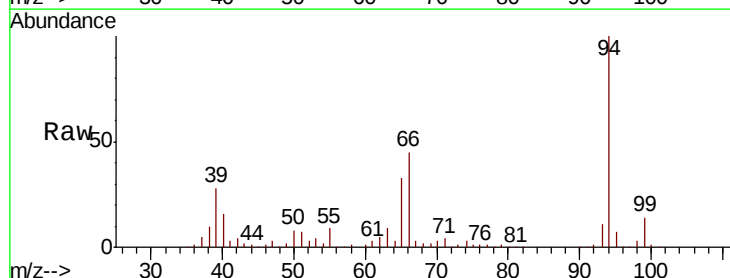
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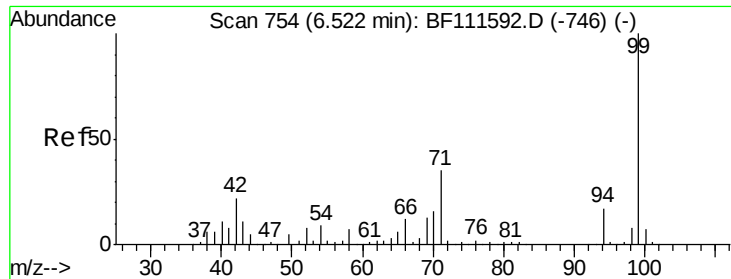
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#6
Aniline
Concen: 4.710 ng
RT: 6.57 min Scan# 762
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	59554		
66	413.2	33.2	49.8#	
65	297.2	17.0	25.4#	





#7

Phenol-d6

Concen: 94.528 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.04 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

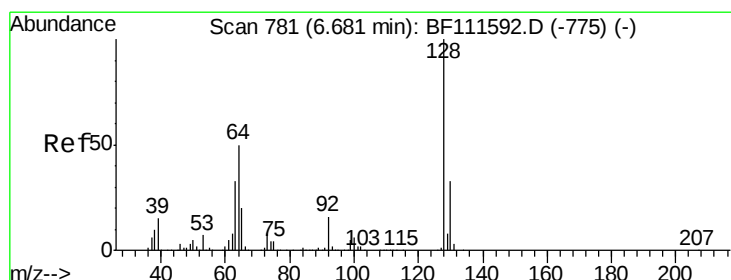
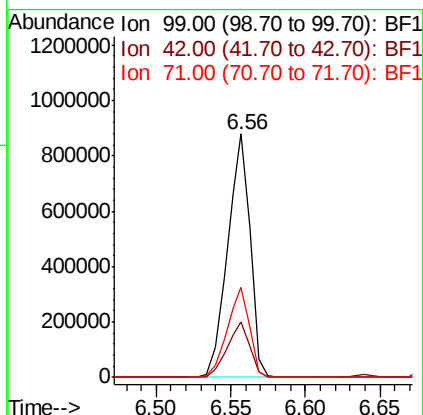
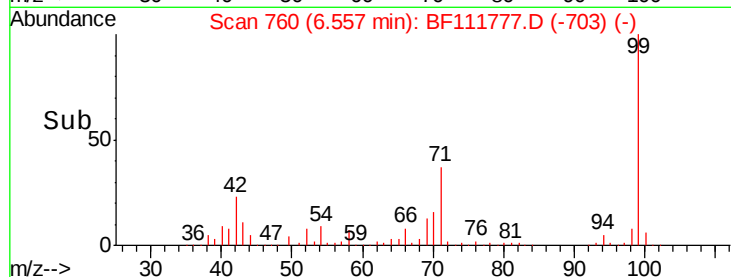
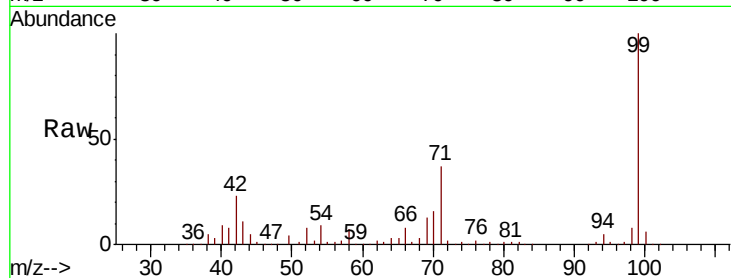
ClientSampleId :

BU-03-122118MSD

Tot Ion	Ratio	Resp	Lower	Upper
99	100	937576		
42	22.6		17.4	26.0
71	37.1		26.1	39.1

Manual Integrations
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#8

2-Chlorophenol

Concen: 39.026 ng

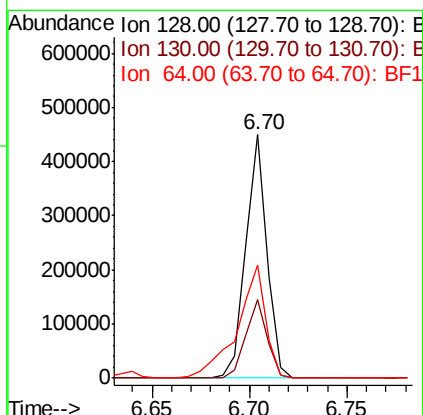
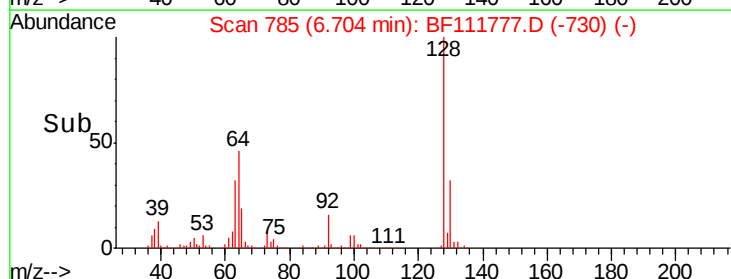
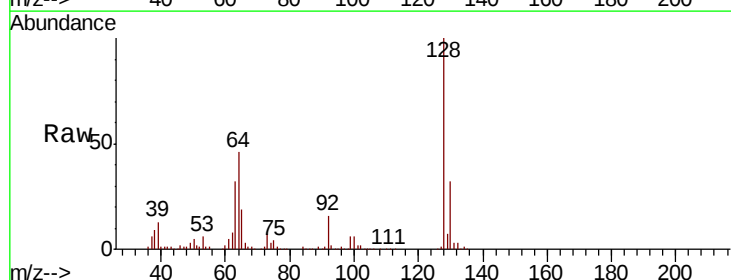
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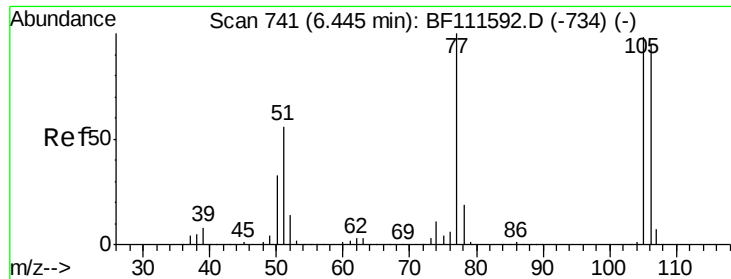
Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	336924		
130	32.5		12.7	52.7
64	46.3		30.0	70.0





#9

Benzaldehyde

Concen: 29.352 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

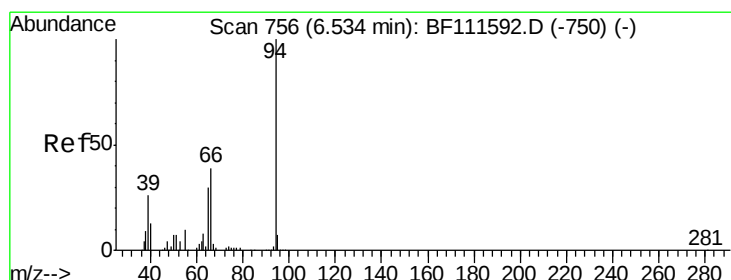
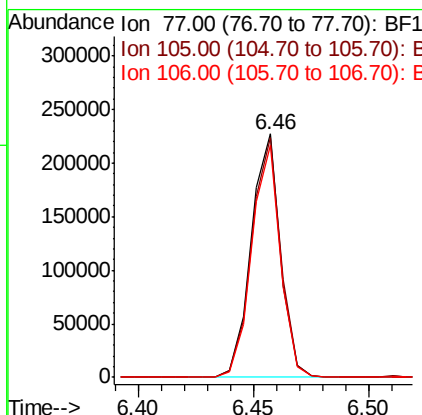
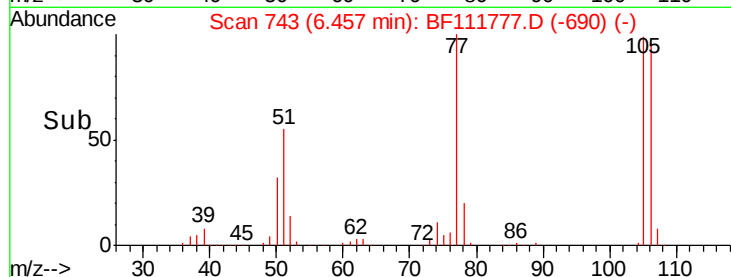
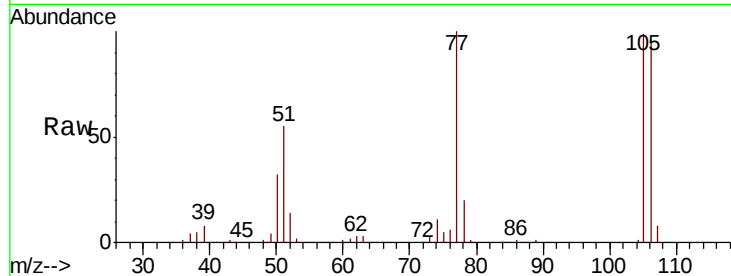
ClientSampleId :

BU-03-122118MSD

Tot Ion:	77	Resp:	200223
Ion Ratio	Lower	Upper	
77	100		
105	98.6	81.4	121.4
106	95.5	77.9	117.9

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#10

Phenol

Concen: 29.256 ng

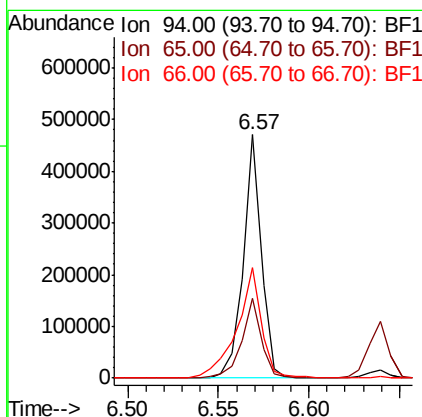
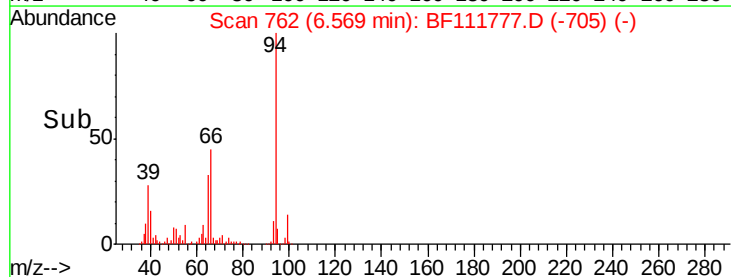
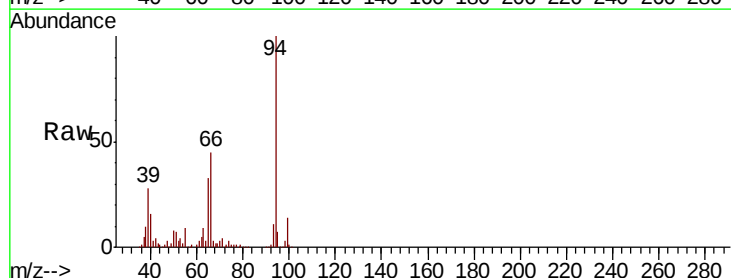
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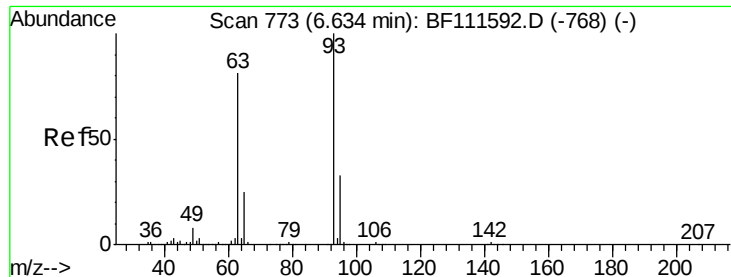
Delta R.T. 0.04 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion:	94	Resp:	327404
Ion Ratio	Lower	Upper	
94	100		
65	32.5	11.7	51.7
66	45.2	21.0	61.0





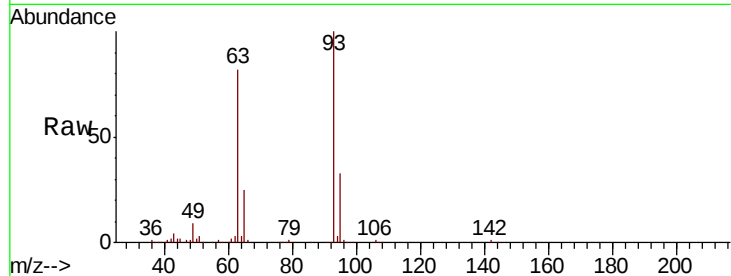
#11
bis(2-Chloroethyl)ether
Concen: 39.910 ng
RT: 6.64 min Scan# 774
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

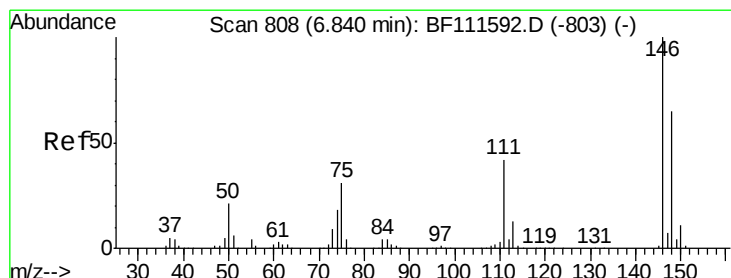
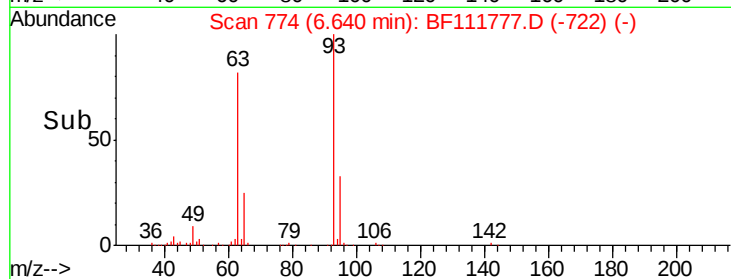
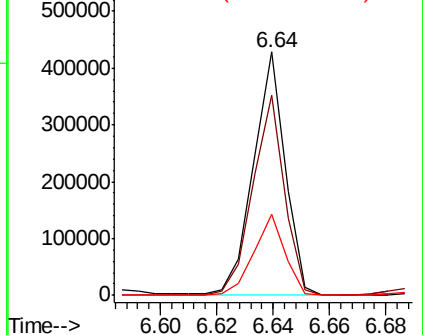
Tot Ion:	93	Resp:	334692
Ion Ratio	Lower	Upper	
93	100		
63	82.3	60.0	100.0
95	33.2	13.4	53.4

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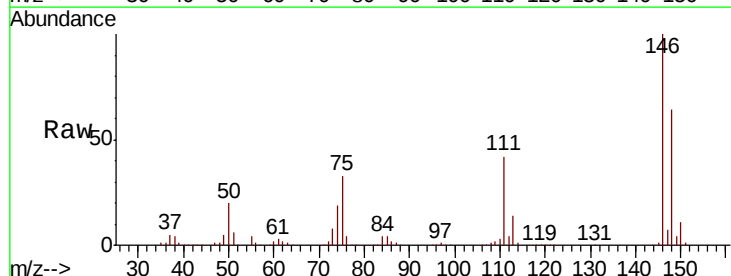


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

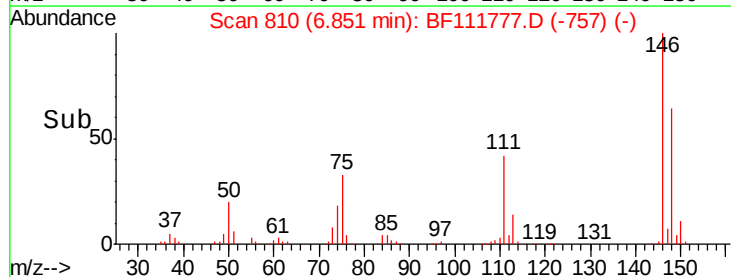
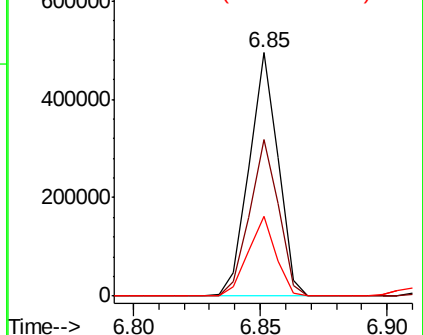


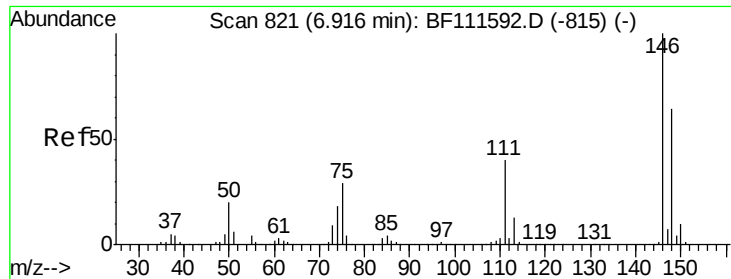
#12
1,3-Dichlorobenzene
Concen: 39.447 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:	146	Resp:	394672
Ion Ratio	Lower	Upper	
146	100		
148	64.1	52.1	78.1
75	32.6	23.9	35.9



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





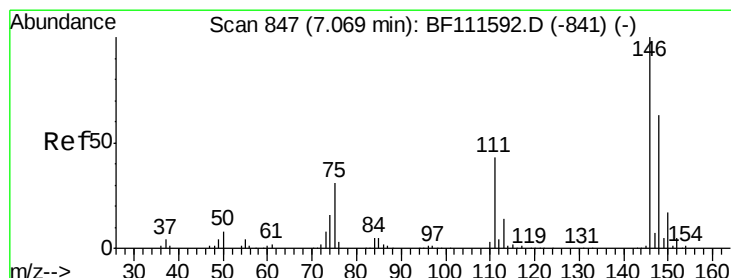
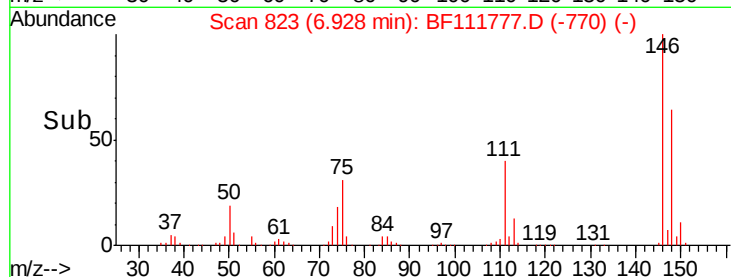
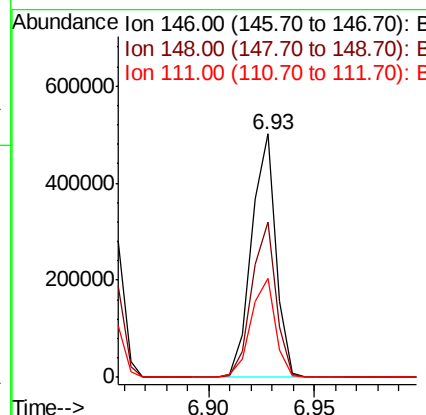
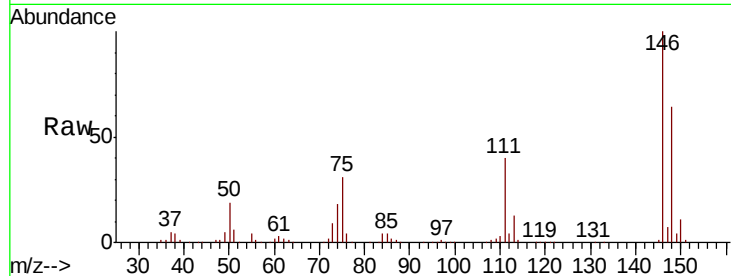
#13
 1,4-Dichlorobenzene
 Concen: 39.342 ng
 RT: 6.93 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.8	79.2
111	40.5	33.4	50.0

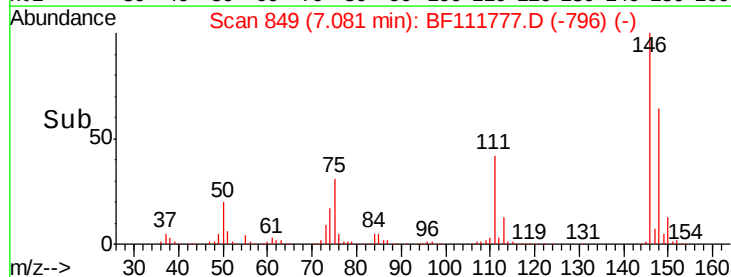
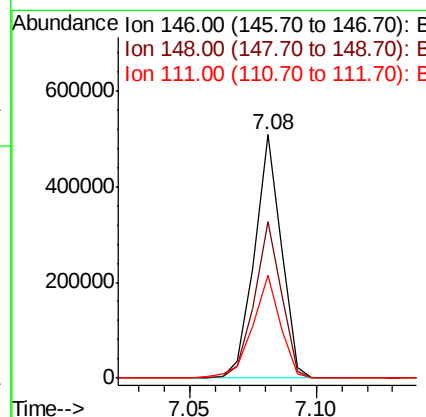
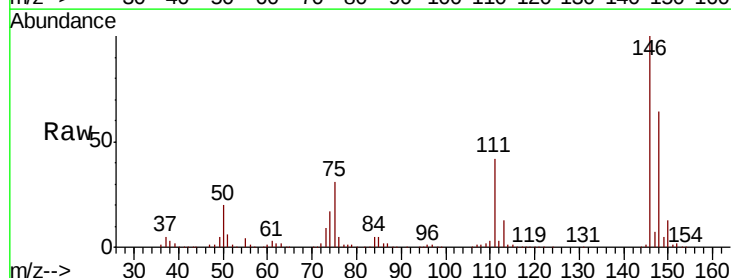
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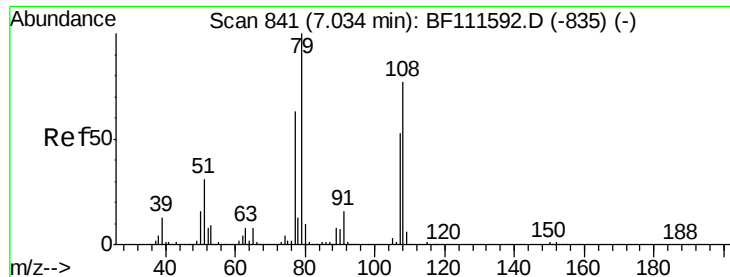
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#14
 1,2-Dichlorobenzene
 Concen: 39.718 ng
 RT: 7.08 min Scan# 849
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.9	77.9
111	42.5	36.2	54.4





#15

Benzyl Alcohol

Concen: 36.700 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

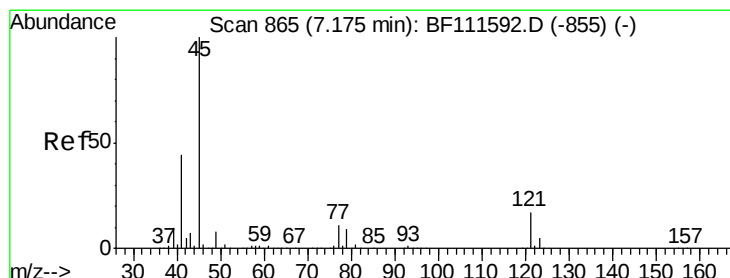
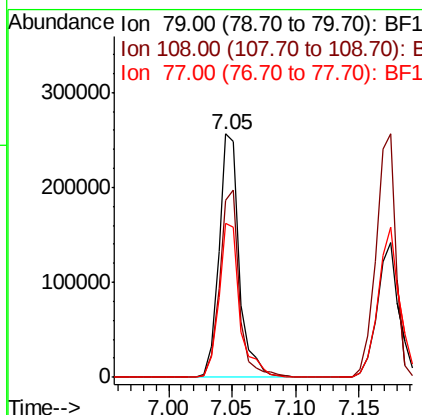
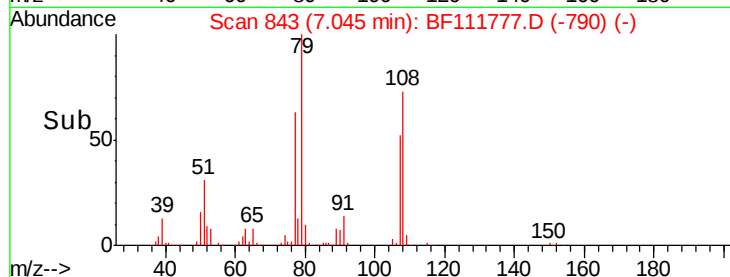
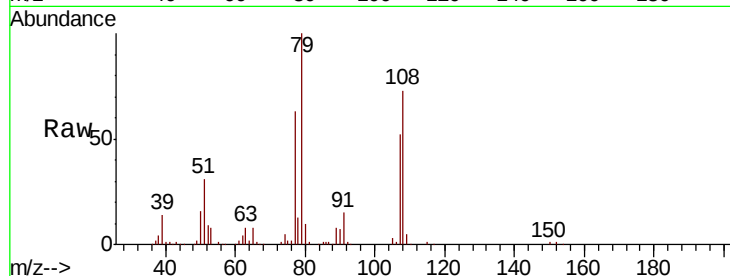
ClientSampleId :

BU-03-122118MSD

Tot Ion:	79	Resp:	289098
Ion Ratio	Lower	Upper	
79	100		
108	72.5	69.4	104.2
77	63.2	49.7	74.5

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.767 ng

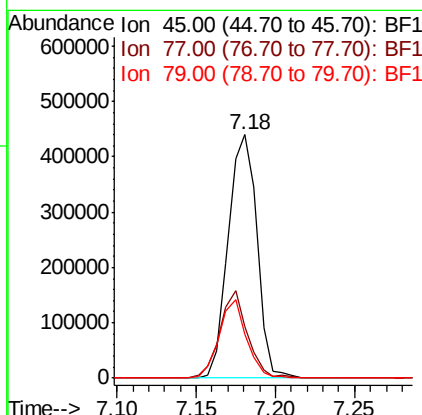
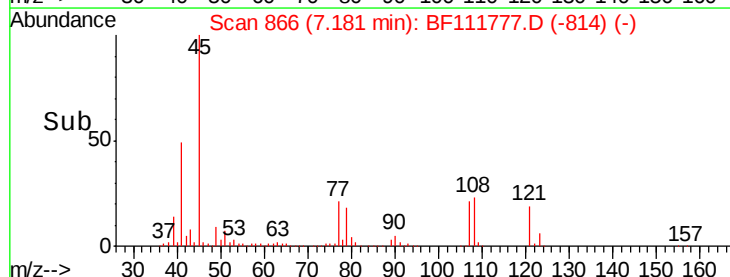
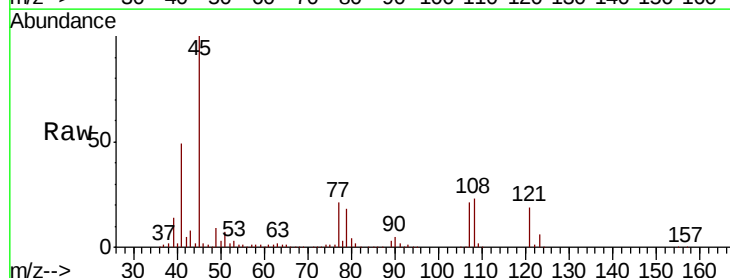
RT: 7.18 min Scan# 866

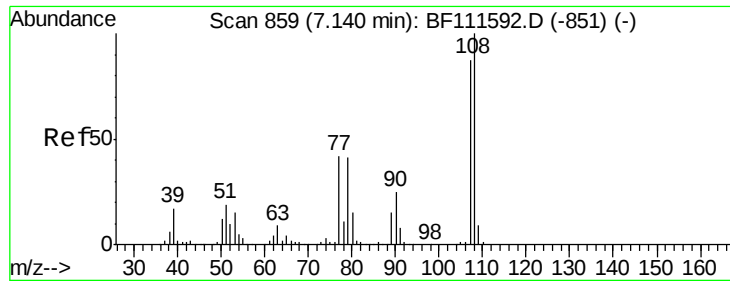
Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion:	45	Resp:	552423
Ion Ratio	Lower	Upper	
45	100		
77	21.4	0.0	31.5
79	17.9	0.0	28.9





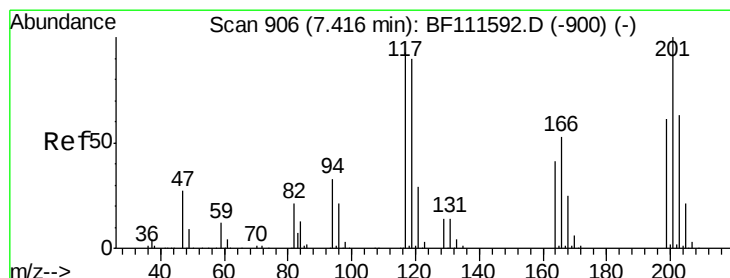
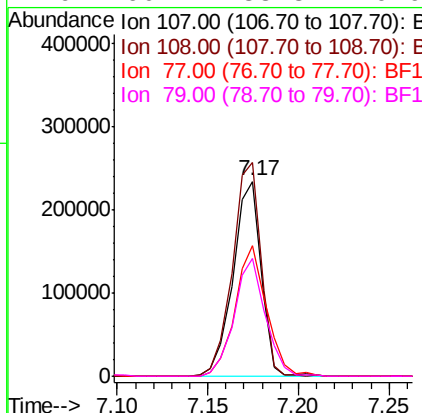
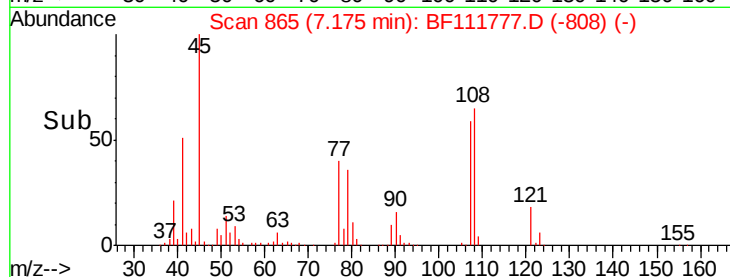
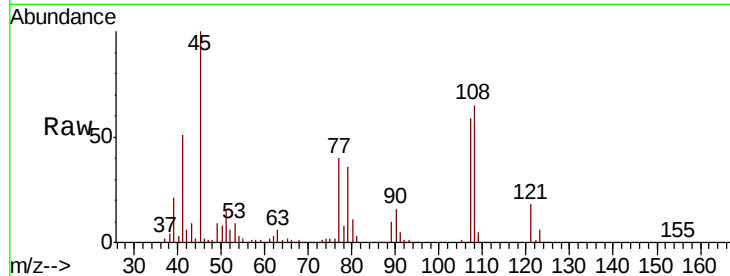
#17
2-Methylphenol
Concen: 36.599 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.04 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.5	91.0	136.4	
77	67.3	33.5	50.3#	
79	60.4	33.3	49.9#	

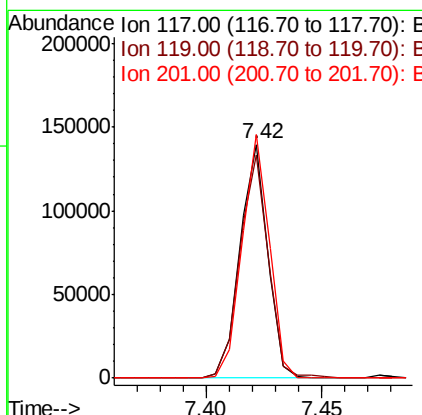
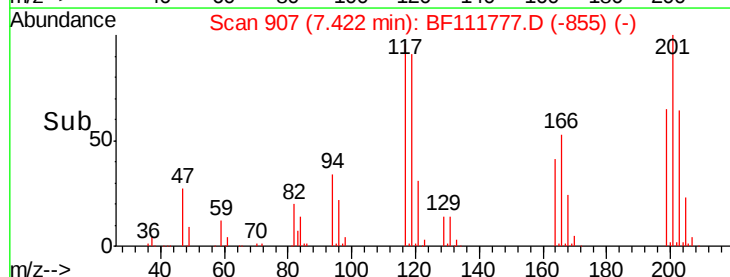
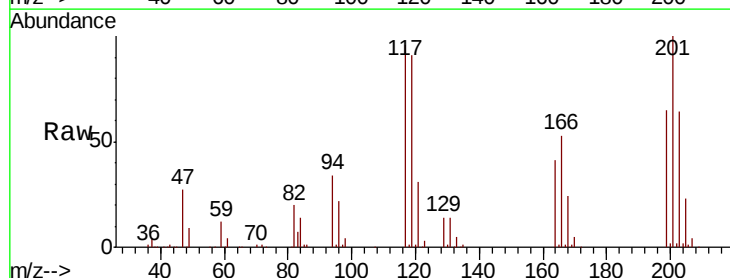
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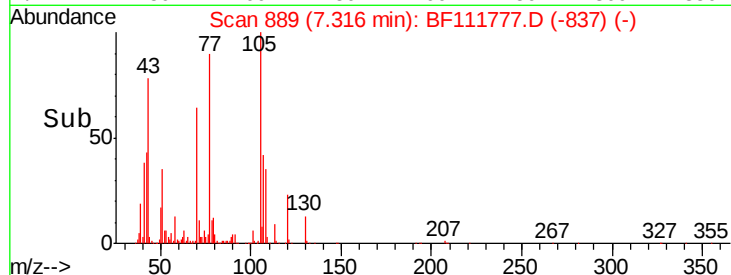
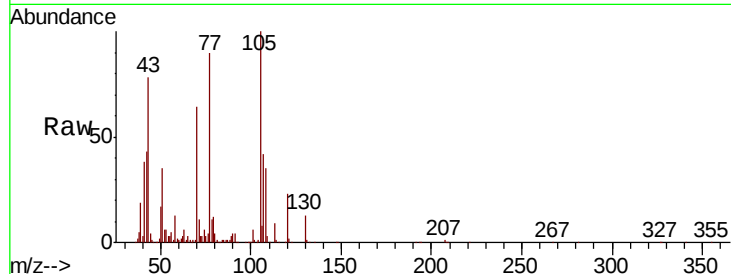
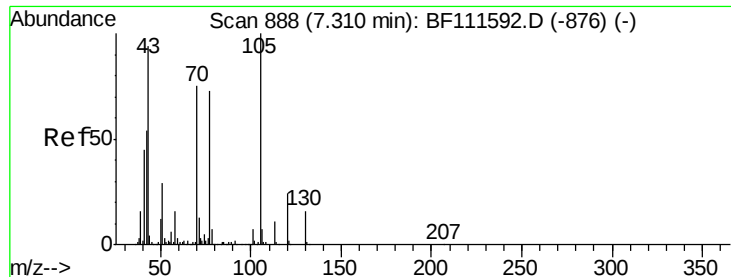
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#18
Hexachloroethane
Concen: 34.204 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.4	75.4	113.0	
201	104.3	62.4	93.6#	





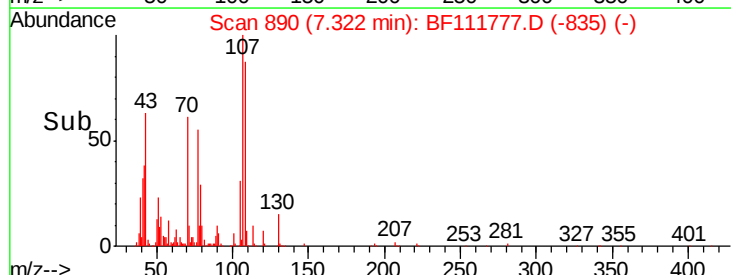
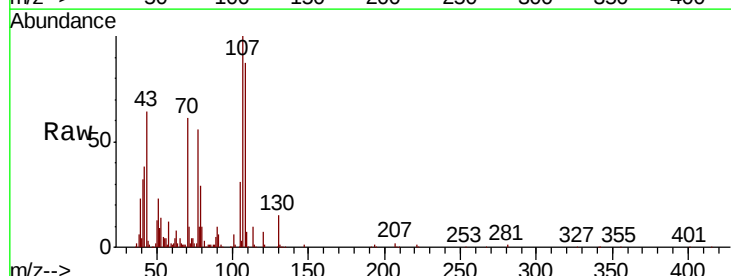
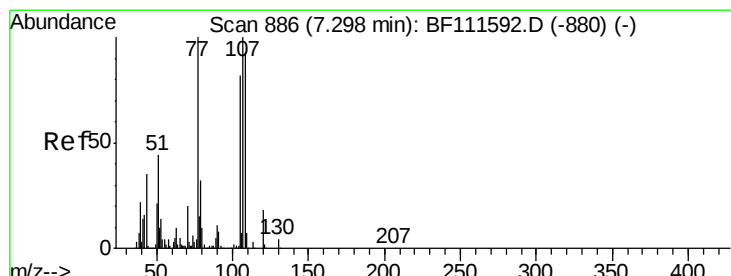
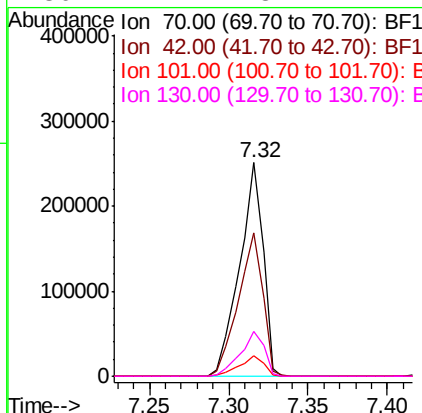
#19
n-Nitroso-di-n-propylamine
Concen: 39.243 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

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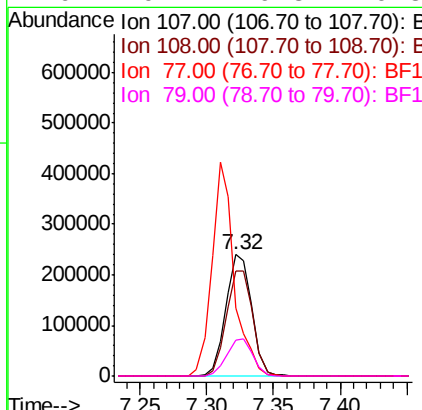
Sohil
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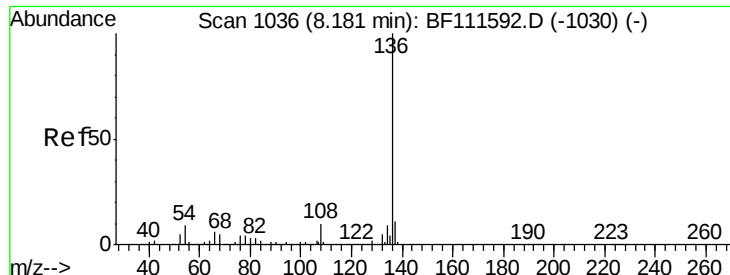
Tot Ion	Ratio	Lower	Upper
70	100		
42	67.2	53.2	79.8
101	9.5	8.2	12.4
130	21.1	18.1	27.1



#20
3+4-Methylphenols
Concen: 37.250 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.0	72.1	112.1
77	55.5	94.1	134.1#
79	29.1	9.8	49.8





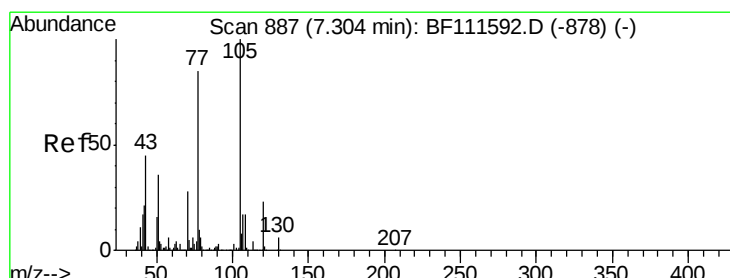
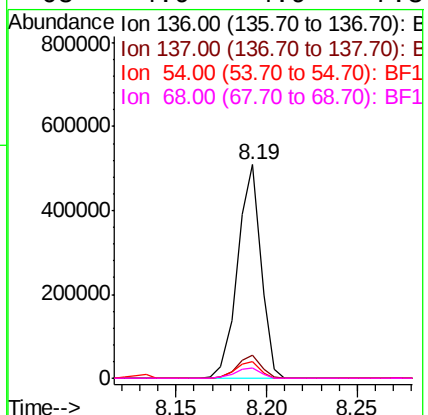
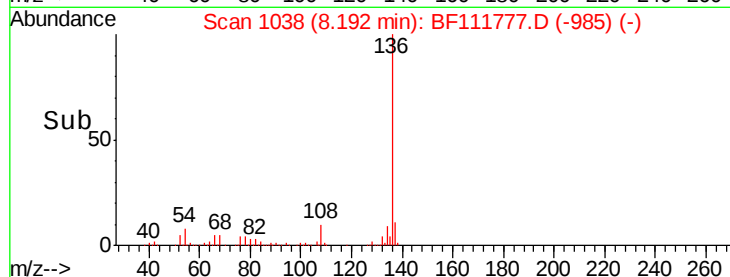
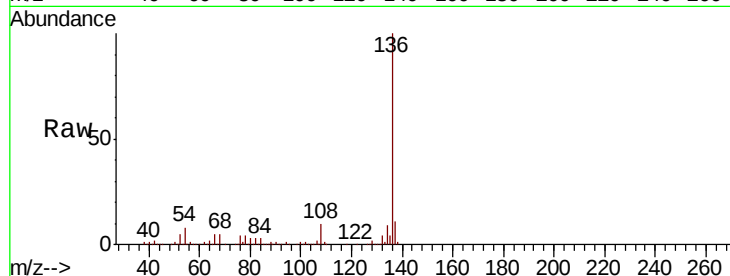
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

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

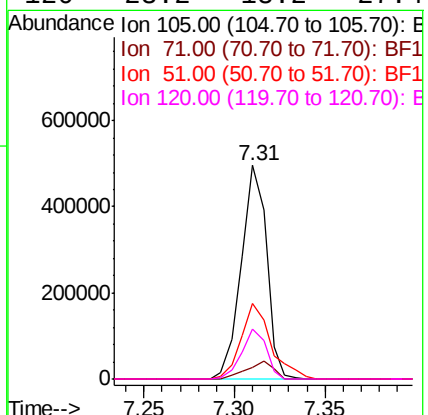
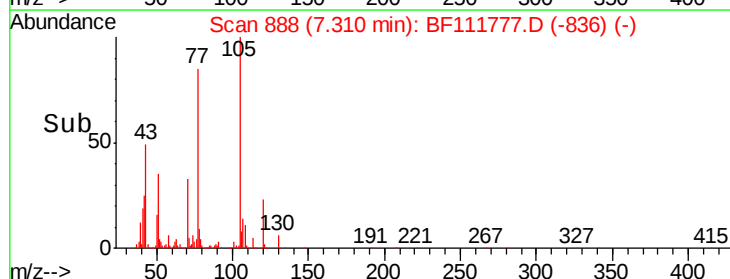
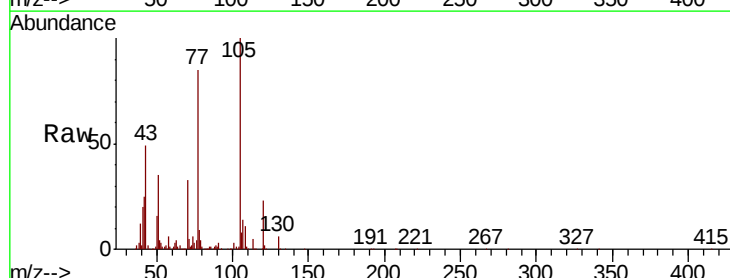
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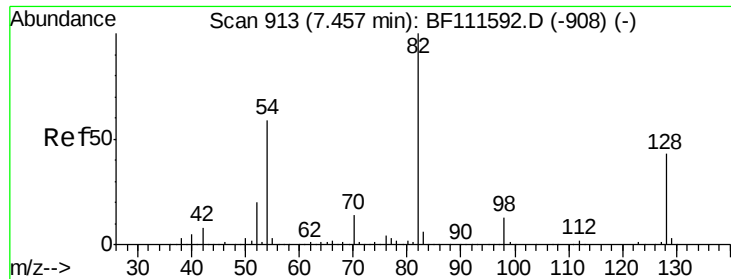
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#22
Acetophenone
Concen: 41.859 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.5	3.1	4.7	
51	35.4	36.6	54.8	
120	23.2	18.2	27.4	





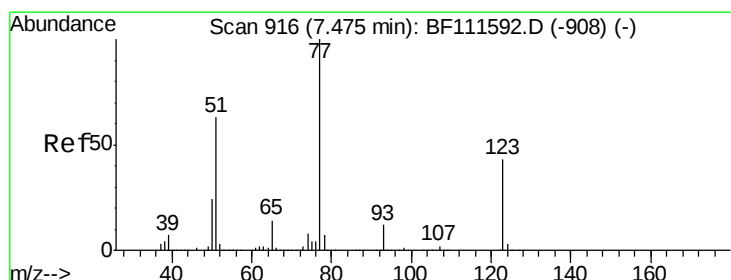
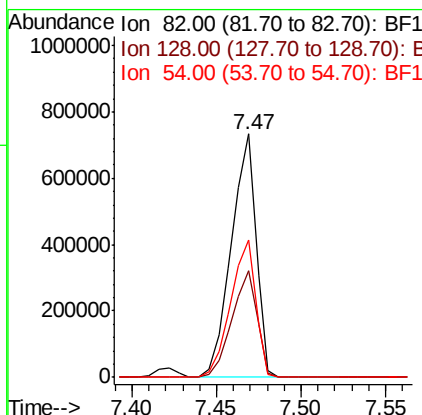
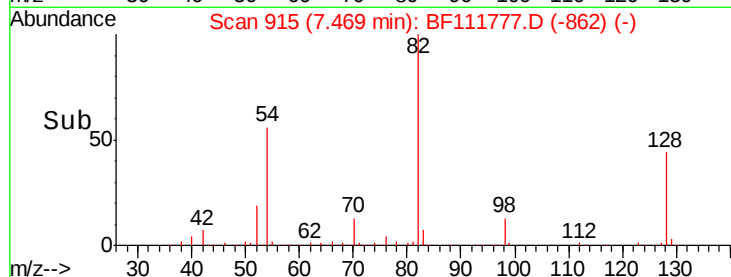
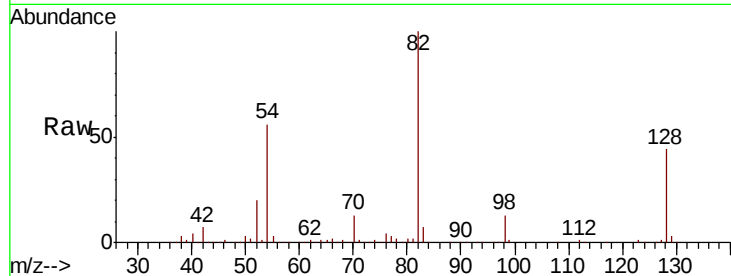
#23
Nitrobenzene-d5
Concen: 95.780 ng
RT: 7.47 min Scan# 915
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	37.4	56.2
54	56.5	47.6	71.4

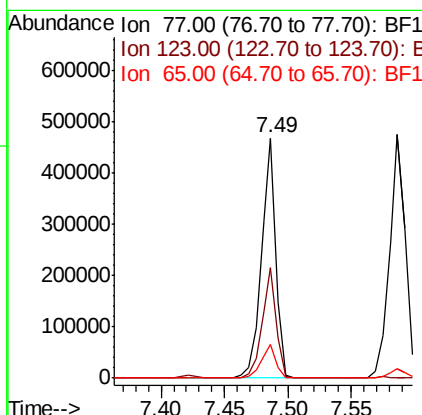
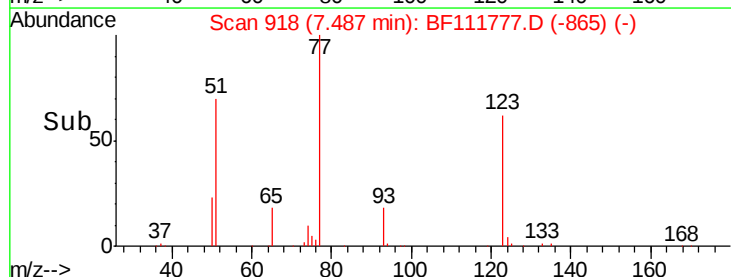
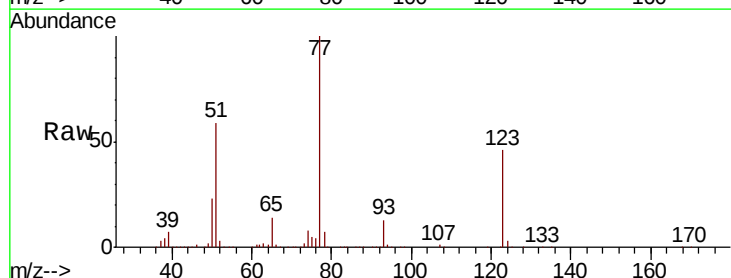
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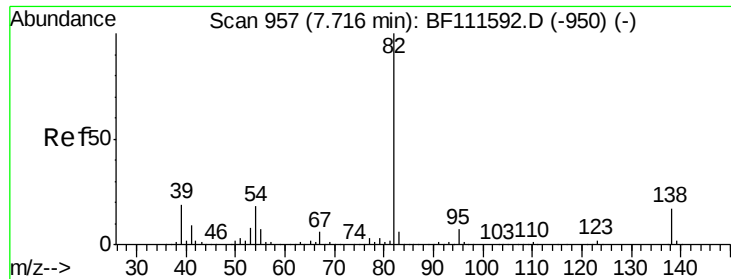
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#24
Nitrobenzene
Concen: 45.598 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.2	55.8
65	14.2	11.5	17.3





#25

Isophorone

Concen: 47.005 ng

RT: 7.73 min Scan# 959

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

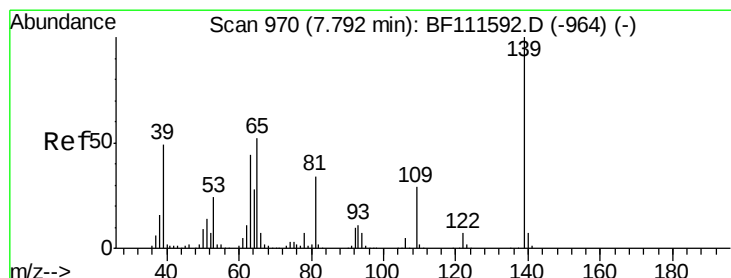
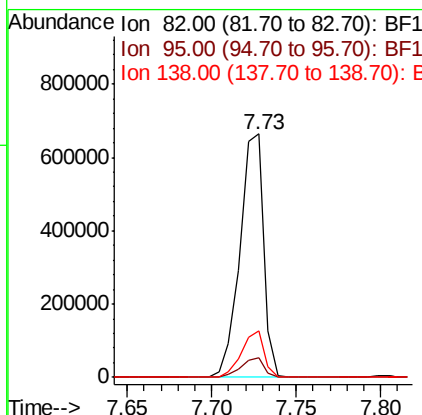
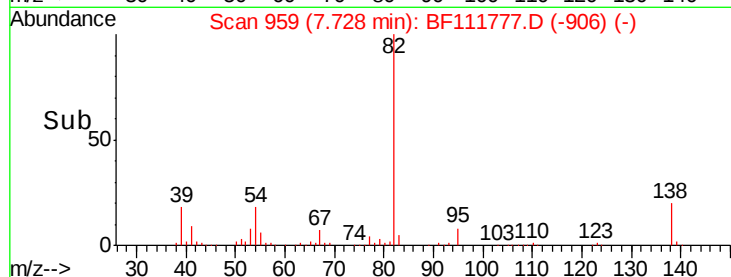
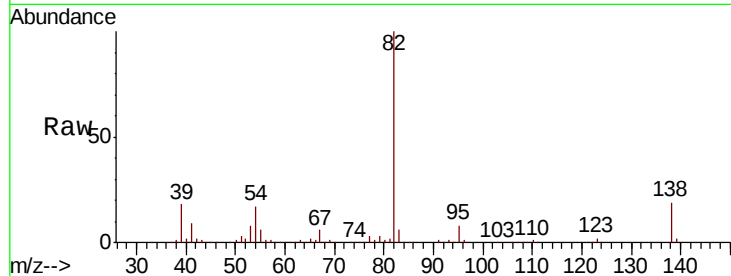
ClientSampleId :

BU-03-122118MSD

Tot Ion:	82	Resp:	652066
Ion Ratio	Lower	Upper	
82	100		
95	7.9	5.4	8.2
138	19.3	15.1	22.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 47.365 ng

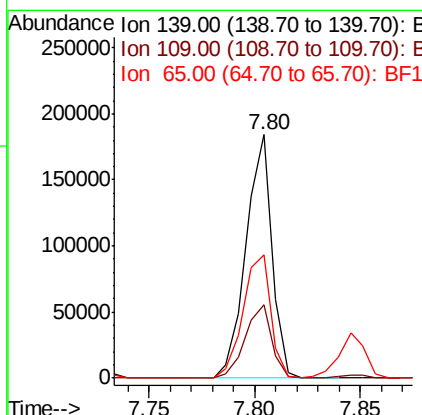
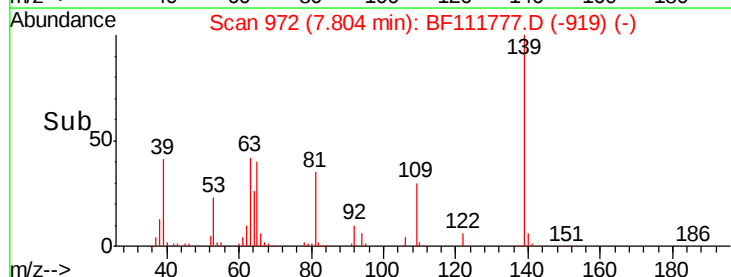
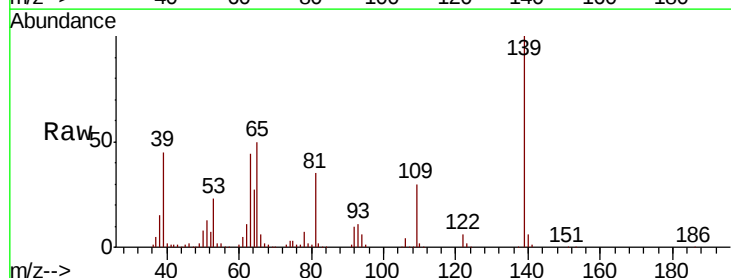
RT: 7.80 min Scan# 972

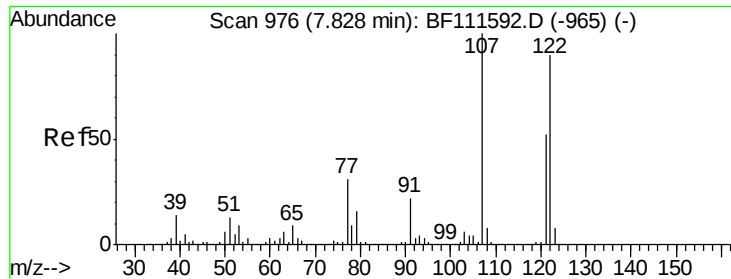
Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion:	139	Resp:	157325
Ion Ratio	Lower	Upper	
139	100		
109	30.2	20.2	30.4
65	50.5	40.7	61.1





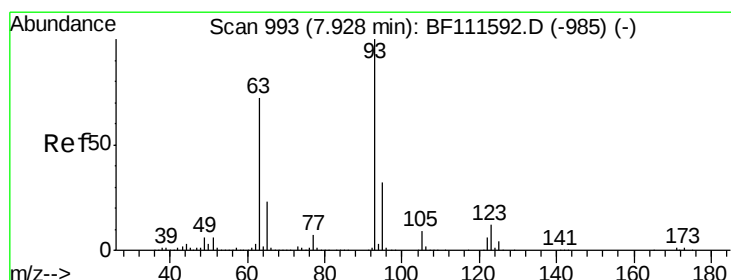
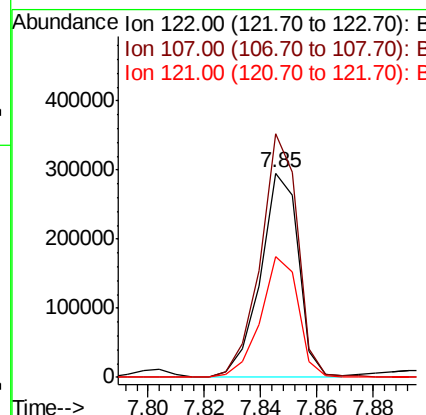
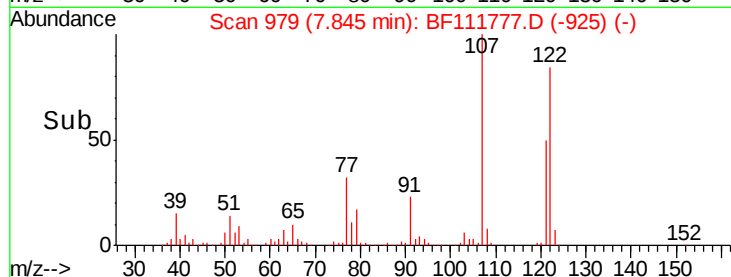
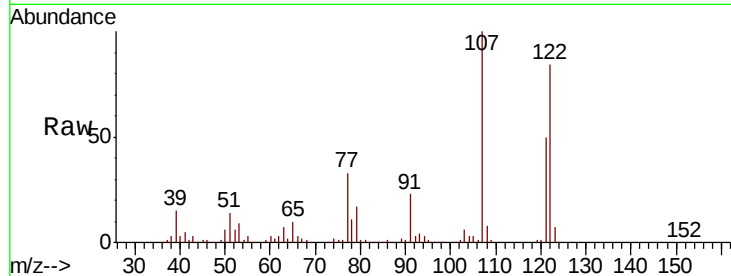
#27
2,4-Dimethylphenol
Concen: 42.373 ng
RT: 7.85 min Scan# 979
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	277445		
107	119.2	85.5	128.3	
121	59.1	46.6	70.0	

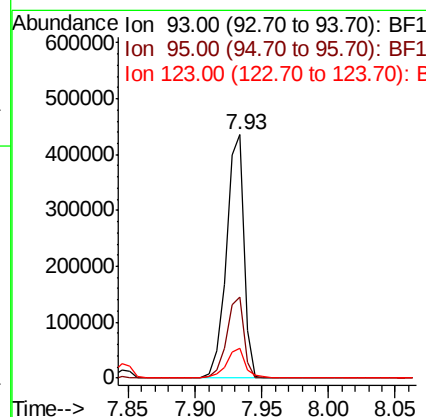
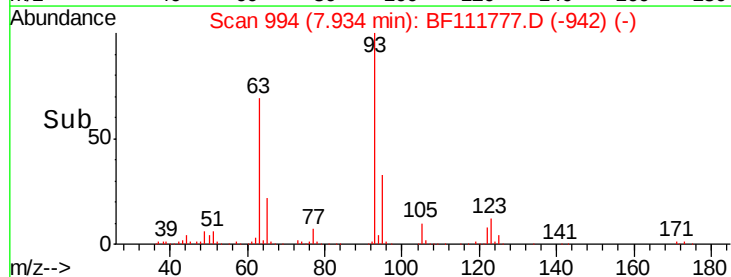
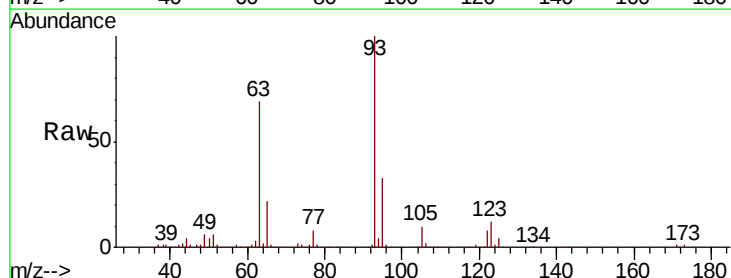
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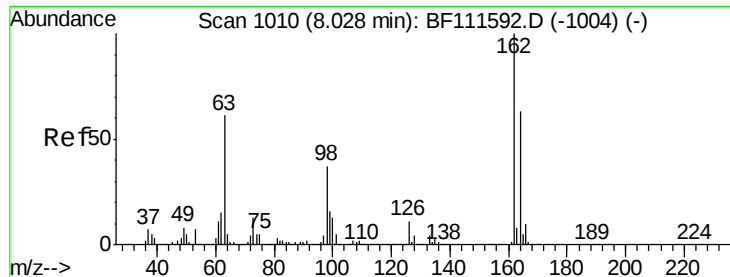
Sohil
12/28/2018 10:37:31 AM



#28
bis(2-Chloroethoxy)methane
Concen: 44.071 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	406834		
95	33.2	27.1	40.7	
123	12.0	9.9	14.9	





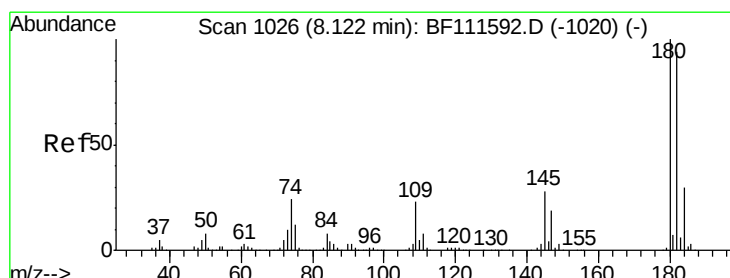
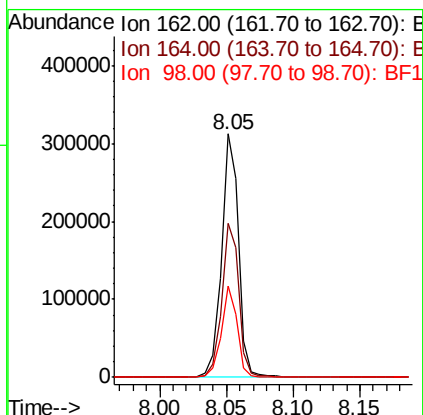
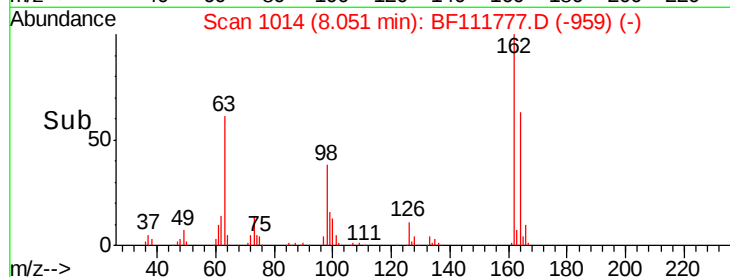
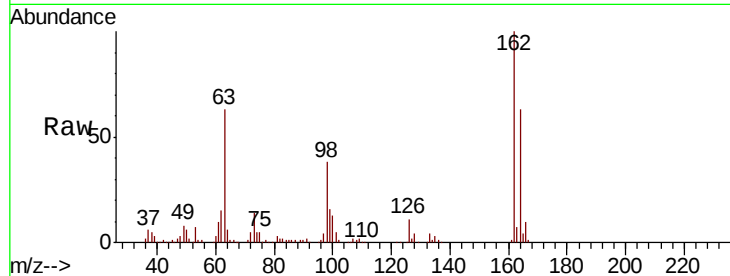
#29
2,4-Dichlorophenol
Concen: 39.790 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	280229		
164	63.4		44.4	84.4
98	37.6		20.3	60.3

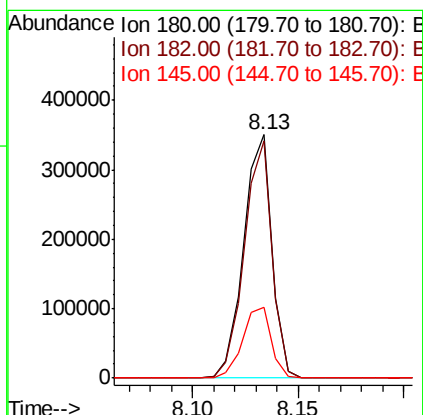
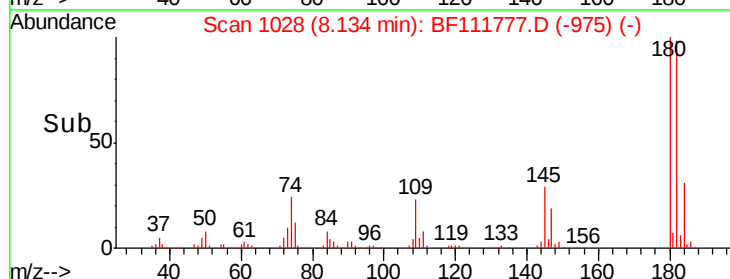
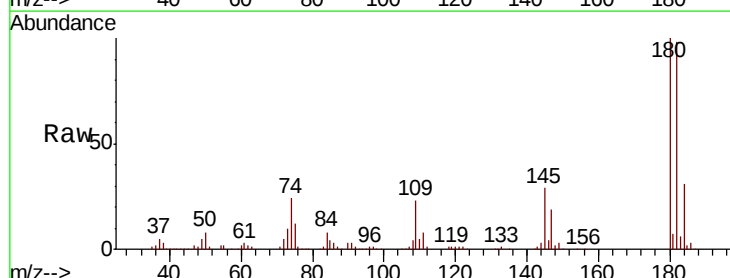
Manual Integrations
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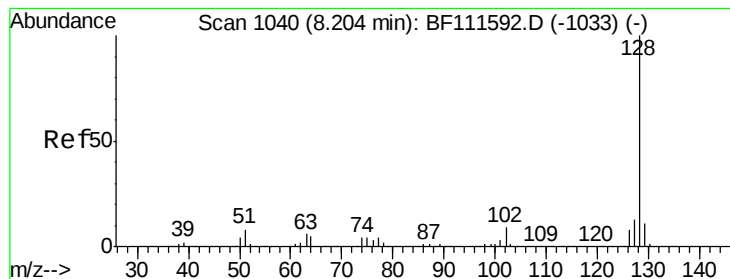
Sohil
12/28/2018 10:37:31 AM



#30
1,2,4-Trichlorobenzene
Concen: 41.366 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	324640		
182	97.6		75.6	113.4
145	29.2		26.7	40.1





#31

Naphthalene

Concen: 44.439 ng

RT: 8.22 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

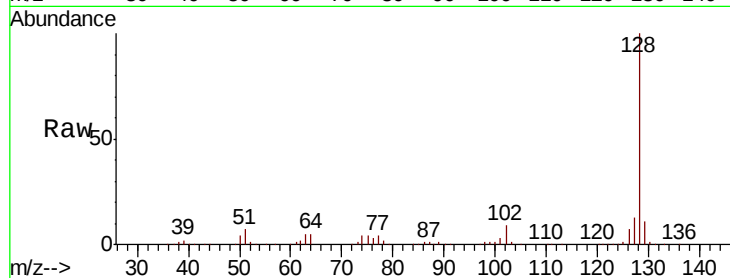
ClientSampleId :

BU-03-122118MSD

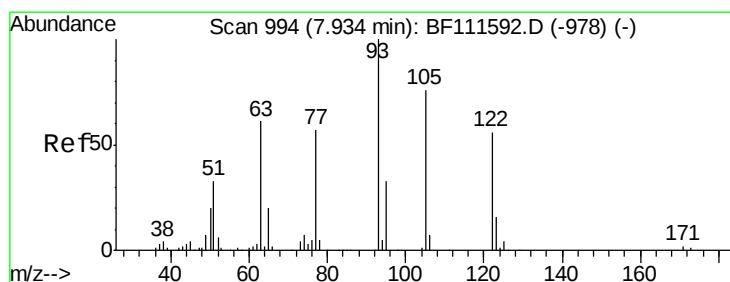
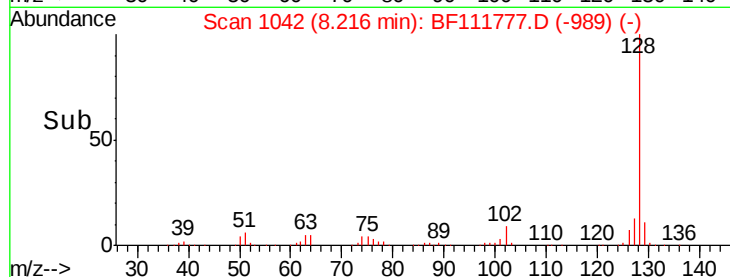
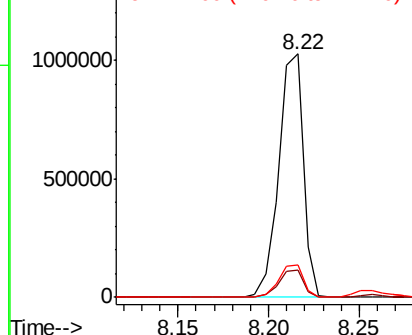
Tot Ion:	128	Resp:	971190
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.8	14.8
127	13.4	12.0	18.0

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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: 28.611 ng m

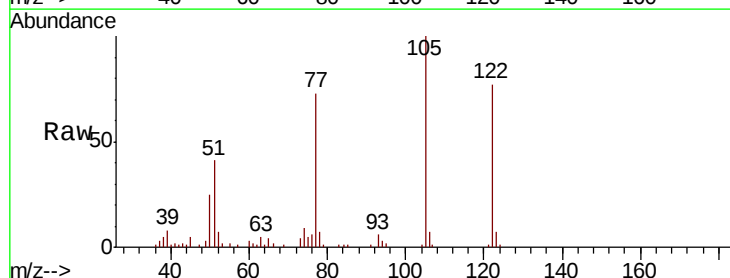
RT: 7.95 min Scan# 996

Delta R.T. 0.01 min

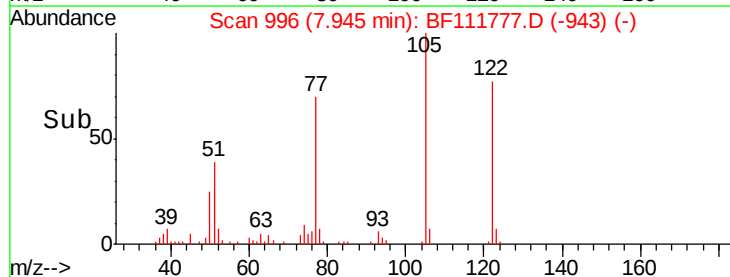
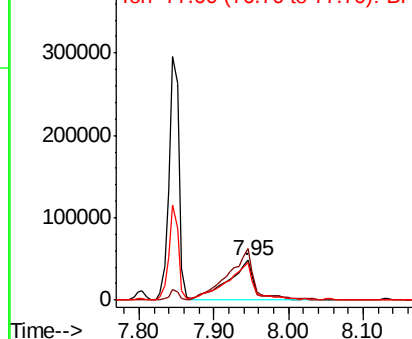
Lab File: BF111777.D

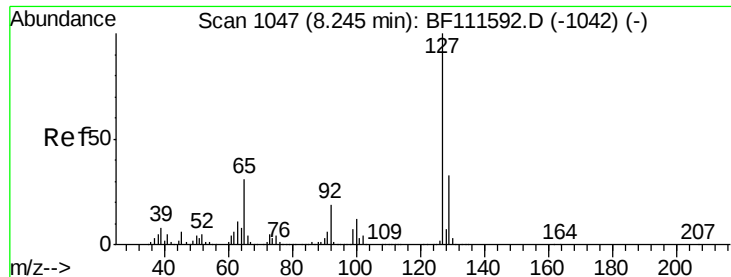
Acq: 27 Dec 2018 21:55

Tgt Ion:	122	Resp:	123864
Ion Ratio	Lower	Upper	
122	100		
105	130.5	97.0	137.0
77	94.7	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





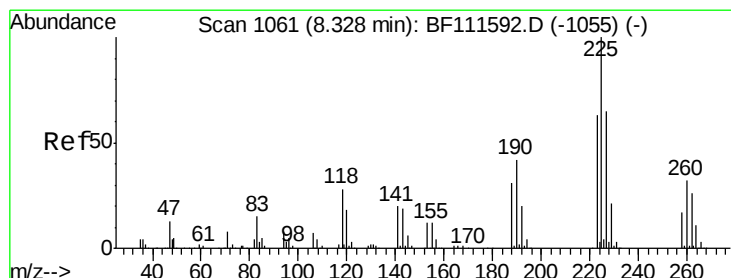
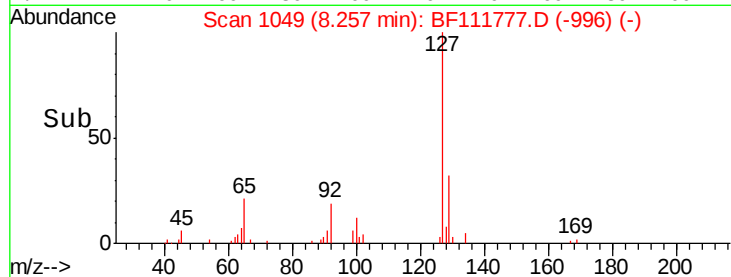
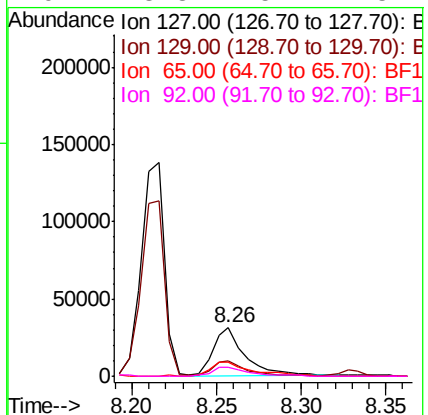
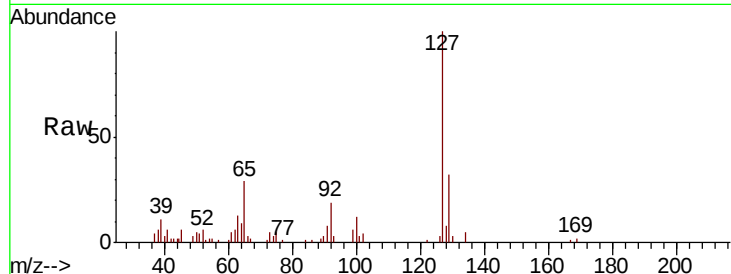
#33
 4-Chloroaniline
 Concen: 4.418 ng
 RT: 8.26 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		41728		
129	32.3	26.6	39.8		
65	28.6	25.7	38.5		
92	18.8	15.4	23.2		

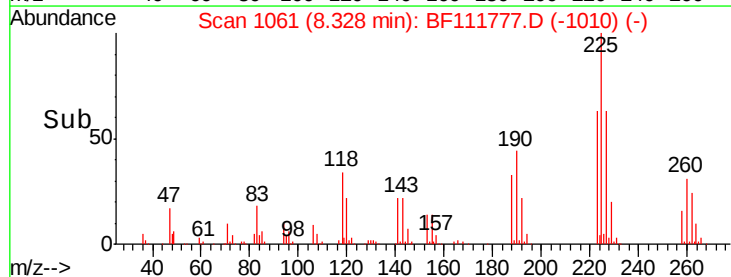
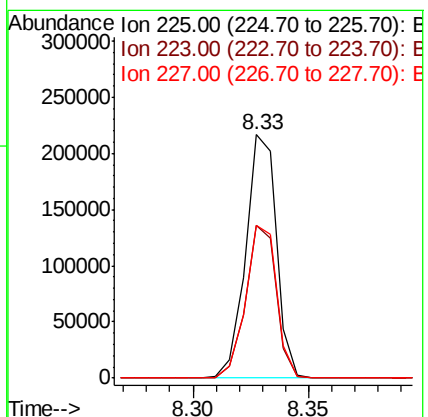
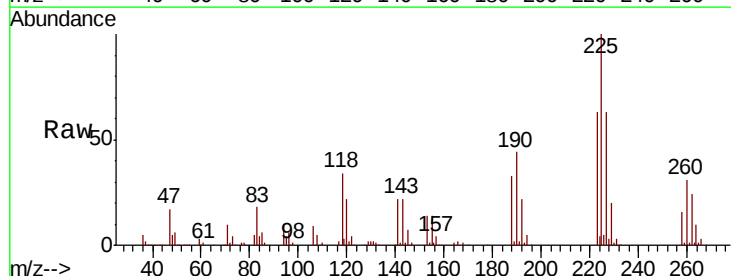
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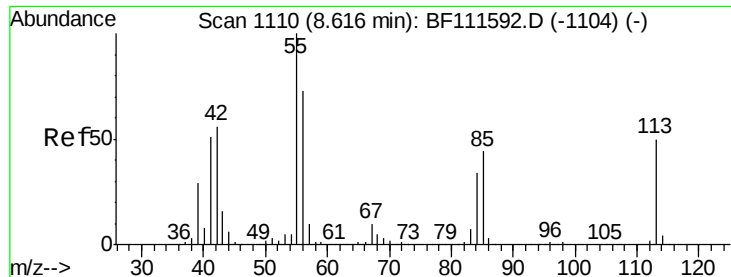
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#34
 Hexachlorobutadiene
 Concen: 42.188 ng
 RT: 8.33 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		201791		
223	63.0	50.7	76.1		
227	62.8	52.6	78.8		





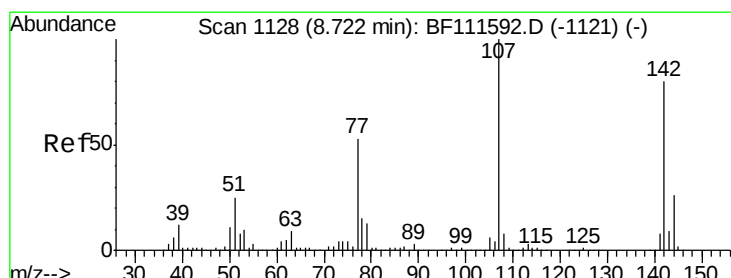
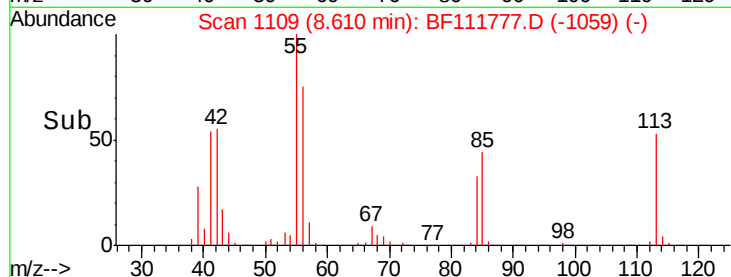
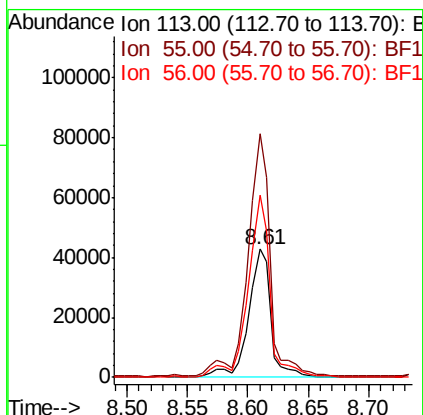
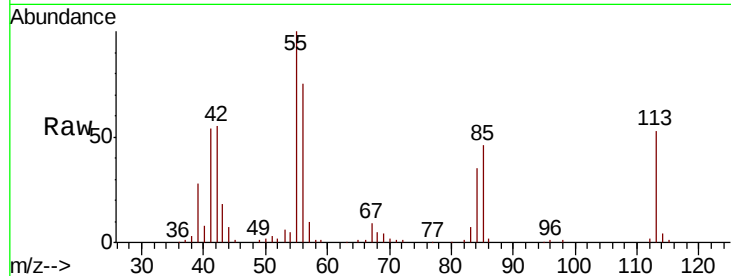
#35
Caprolactam
Concen: 23.186 ng
RT: 8.61 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	190.1		184.1	224.1	
56	142.4		126.0	166.0	

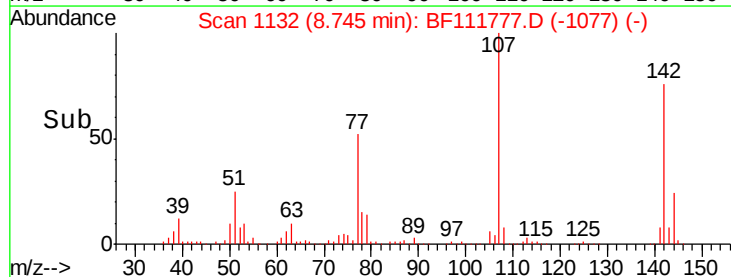
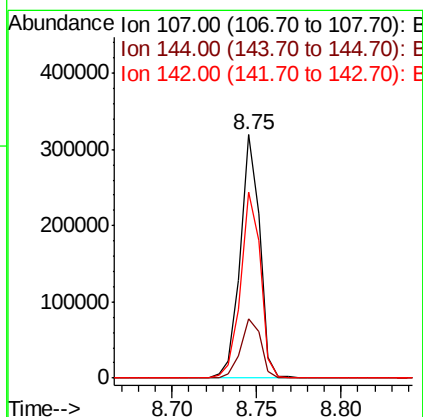
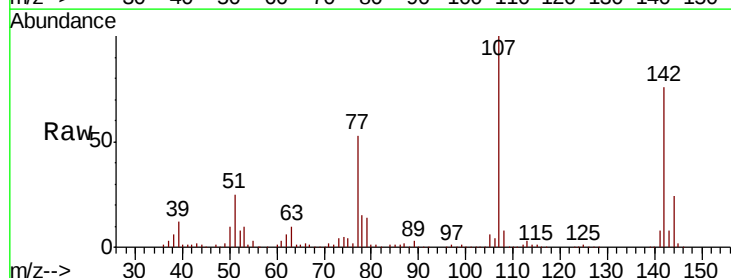
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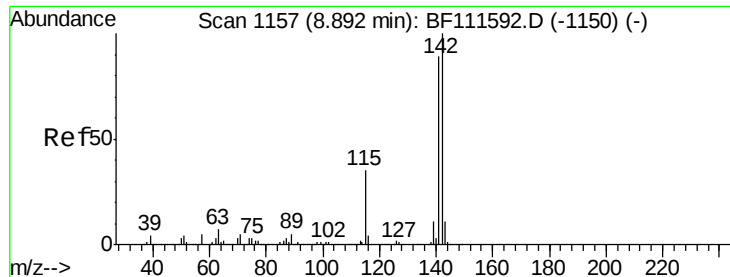
Sohil
12/28/2018 10:37:31 AM



#36
4-Chloro-3-methylphenol
Concen: 37.045 ng
RT: 8.75 min Scan# 1132
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	24.5		19.8	29.6	
142	76.2		62.3	93.5	





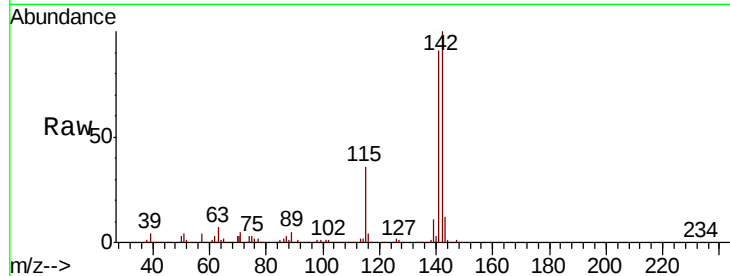
#37
2-Methylnaphthalene
Concen: 44.937 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.6	105.8
115	35.9	27.0	40.6

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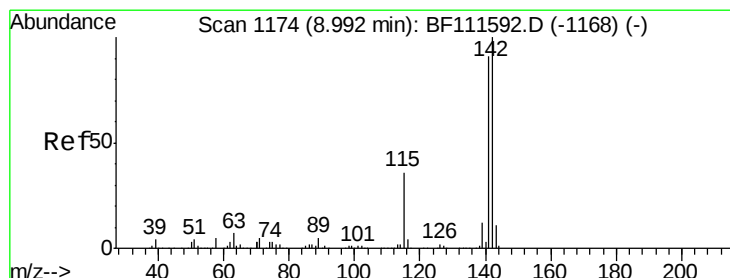
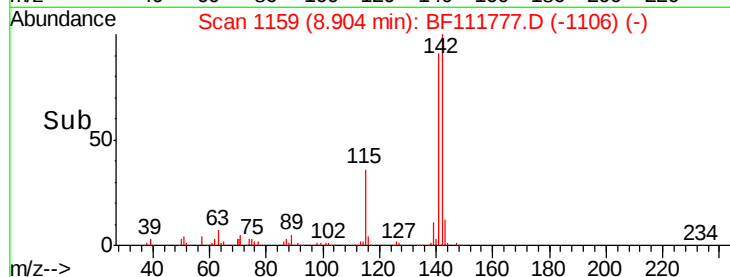
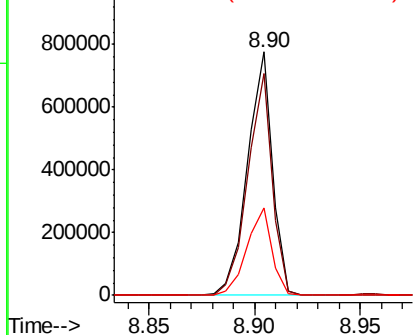


Abundance

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: 43.942 ng
RT: 9.00 min Scan# 1176
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

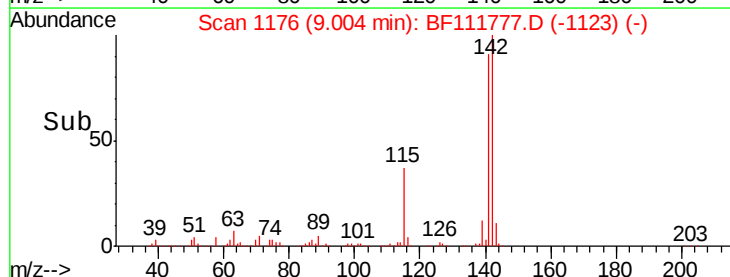
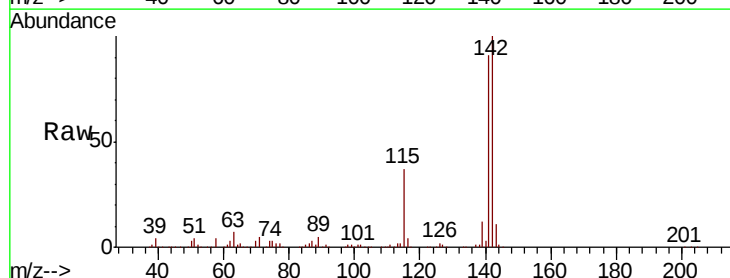
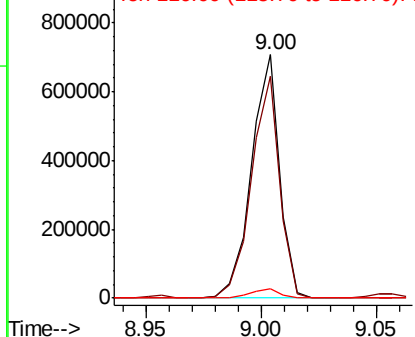
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	74.2	111.4
116	3.8	2.9	4.3

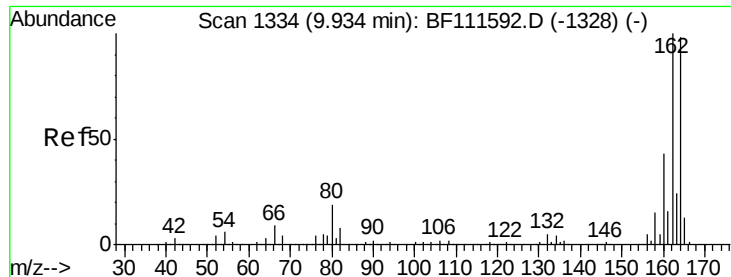
Abundance

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





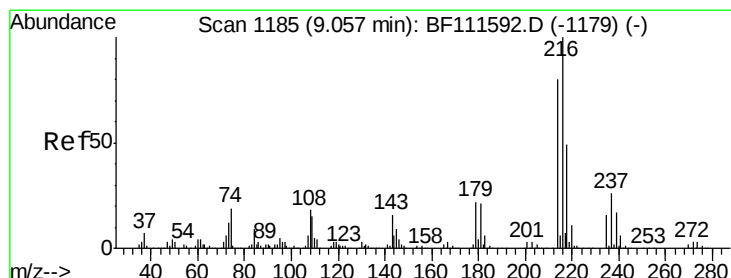
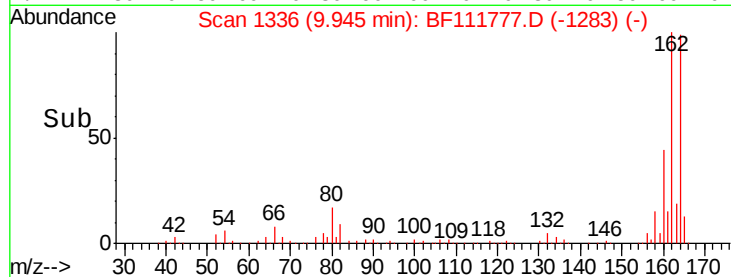
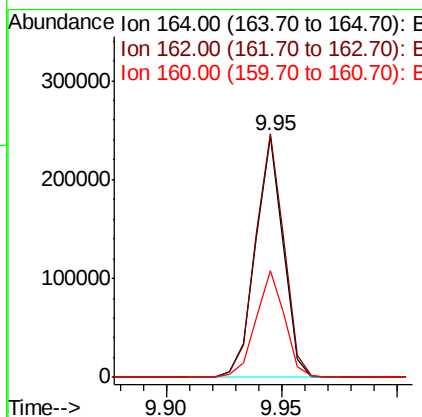
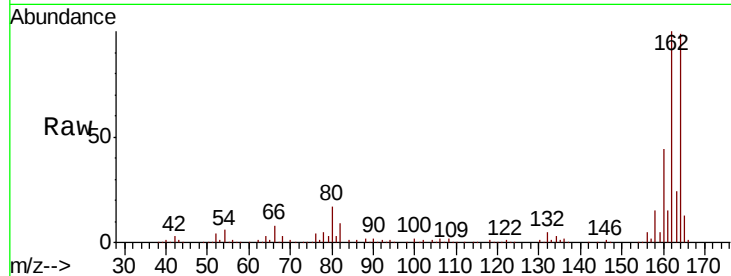
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.4	122.0
160	44.4	35.7	53.5

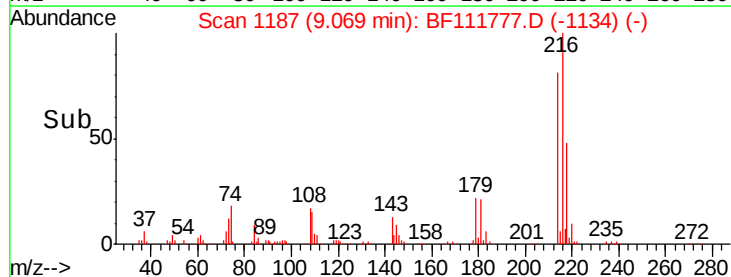
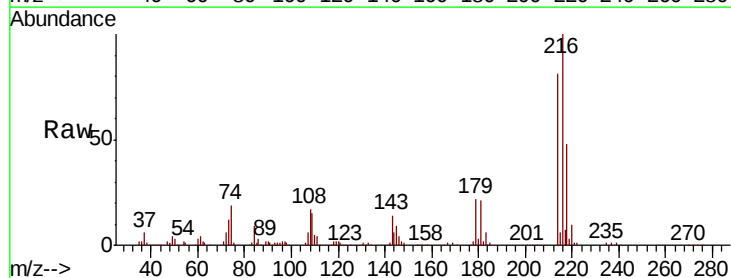
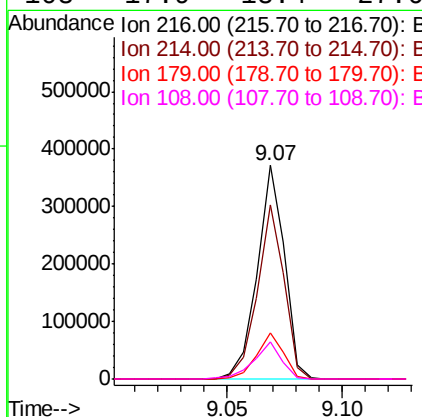
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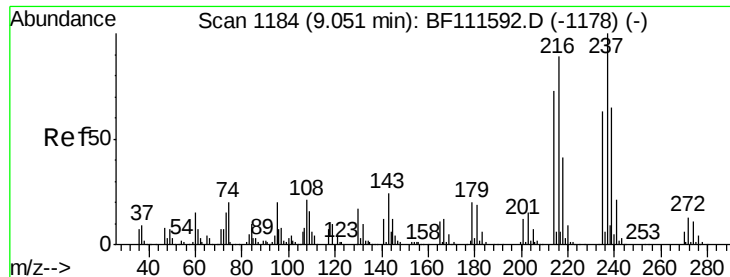
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.581 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.8	95.8
179	21.5	17.9	26.9
108	17.9	18.4	27.6#





#41

Hexachlorocyclopentadiene

Concen: 32.359 ng

RT: 9.06 min Scan# 1185

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

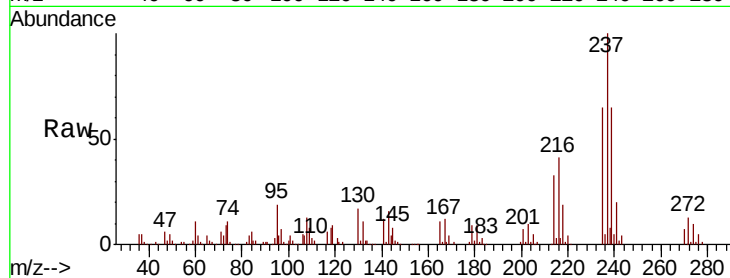
ClientSampleId :

BU-03-122118MSD

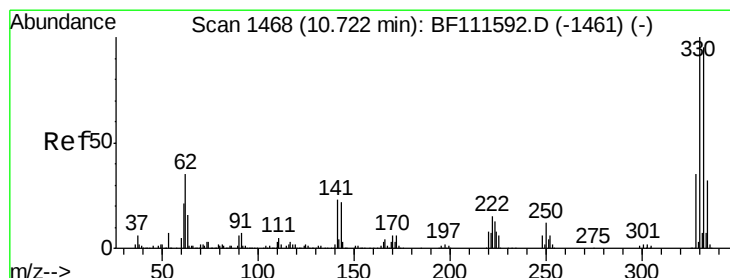
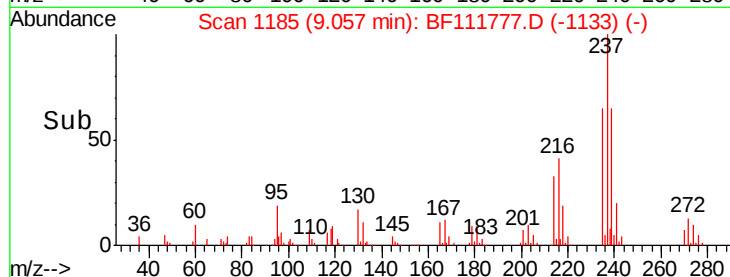
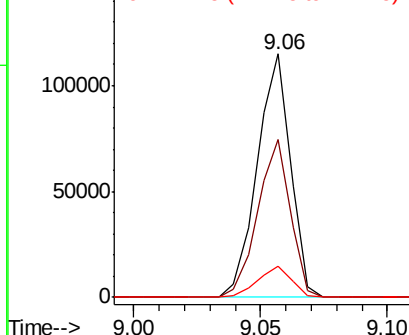
Tot Ion:	237	Resp:	105417
Ion Ratio	Lower	Upper	
237	100		
235	64.6	43.1	83.1
272	12.6	0.0	33.0

Manual Integrations
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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: 125.519 ng

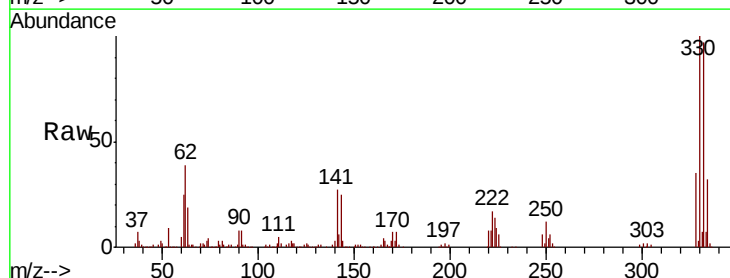
RT: 10.74 min Scan# 1471

Delta R.T. 0.02 min

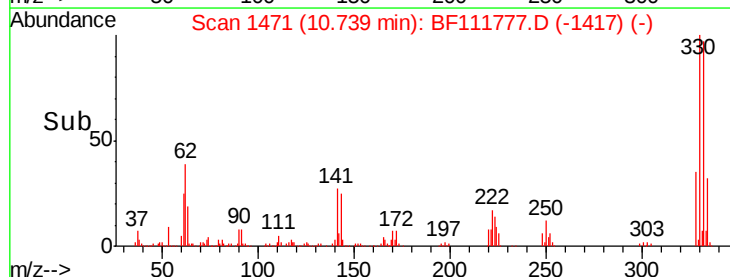
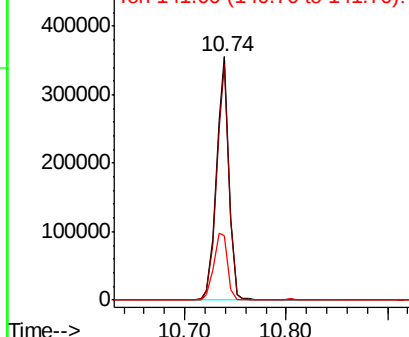
Lab File: BF111777.D

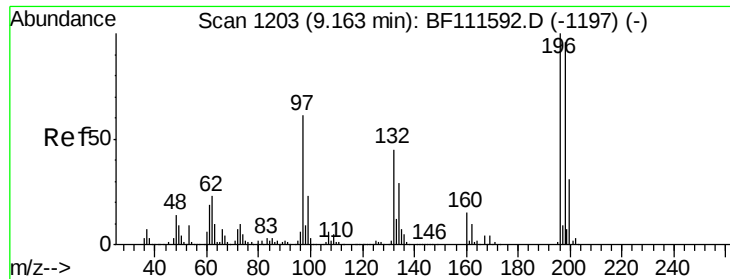
Acq: 27 Dec 2018 21:55

Tgt Ion:	330	Resp:	302999
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.0	114.0
141	30.6	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





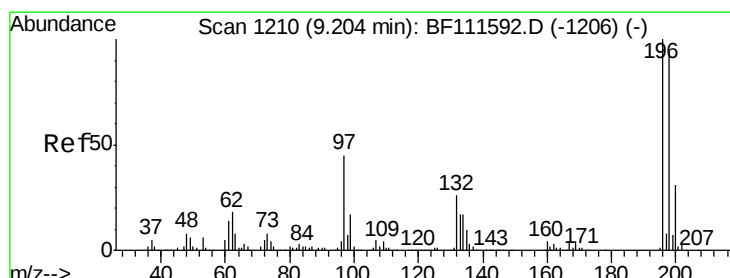
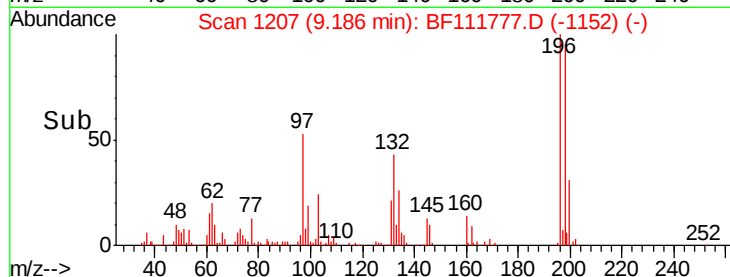
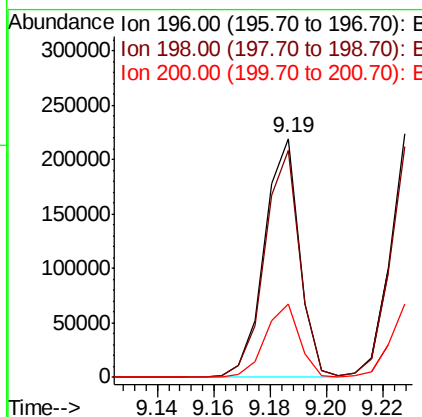
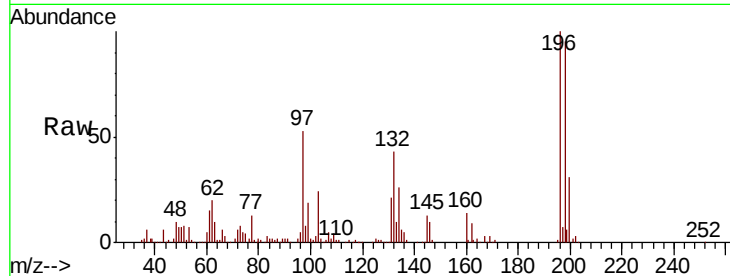
#43
2,4,6-Trichlorophenol
Concen: 42.275 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	189484		
198	95.0	76.3	114.5	
200	30.6	24.9	37.3	

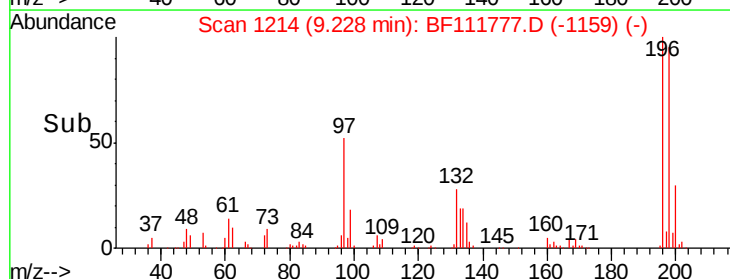
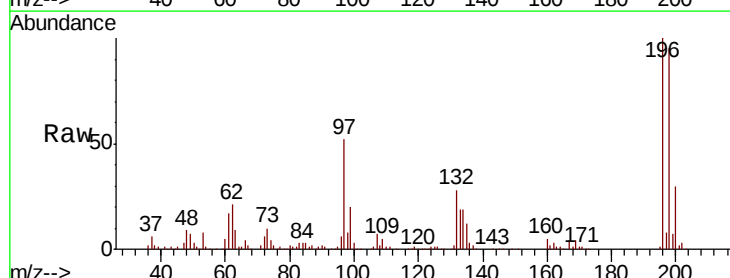
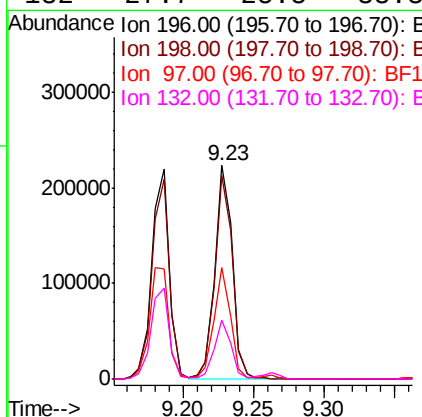
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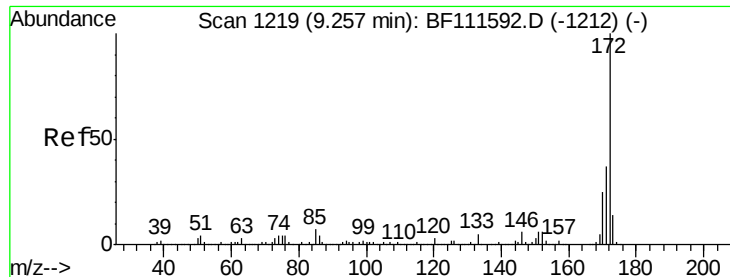
Sohil
12/28/2018 10:37:31 AM



#44
2,4,5-Trichlorophenol
Concen: 42.081 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	193496		
198	95.0	72.9	109.3	
97	52.3	45.3	67.9	
132	27.7	25.5	38.3	





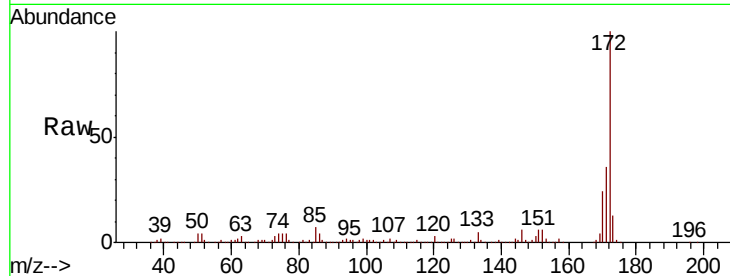
#45
2-Fluorobiphenyl
Concen: 93.878 ng
RT: 9.26 min Scan# 1220
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	33.0	49.4
170	24.1	22.3	33.5

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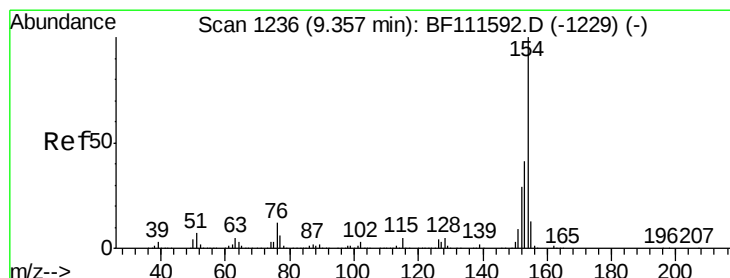
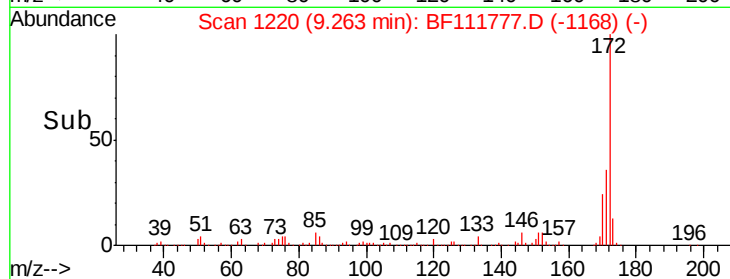
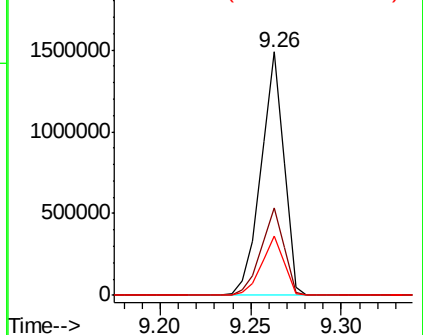


Abundance

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: 44.612 ng
RT: 9.36 min Scan# 1237
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

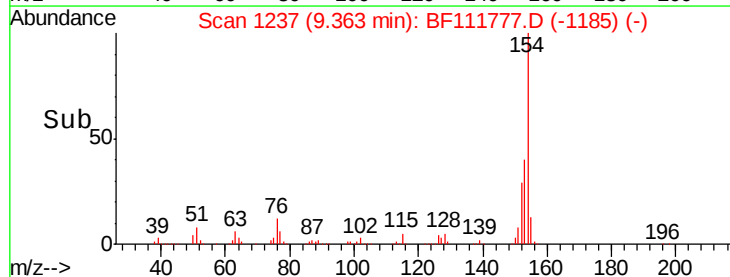
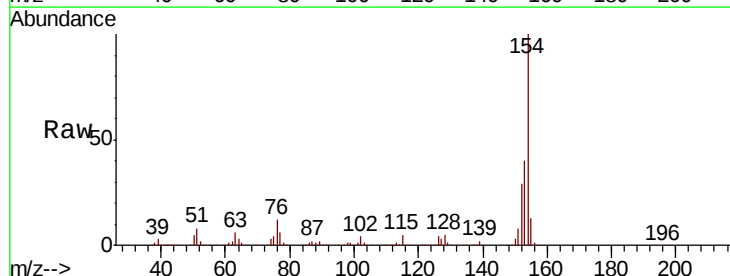
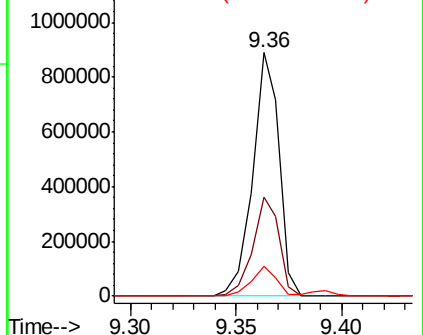
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	23.7	63.7
76	12.1	0.0	35.0

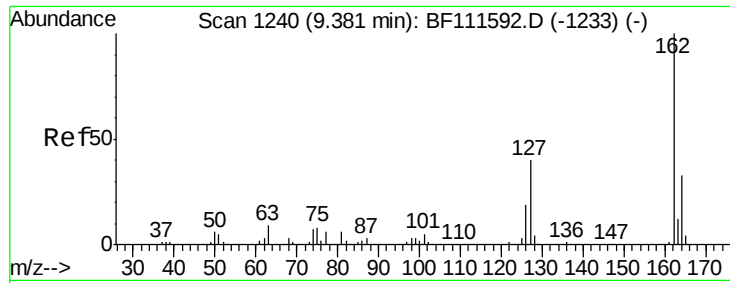
Abundance

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





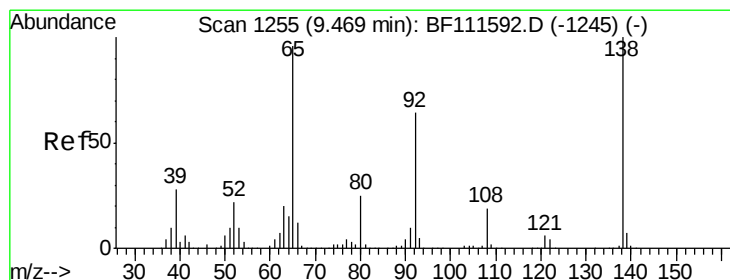
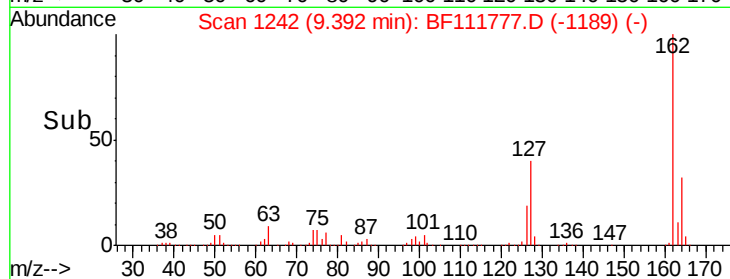
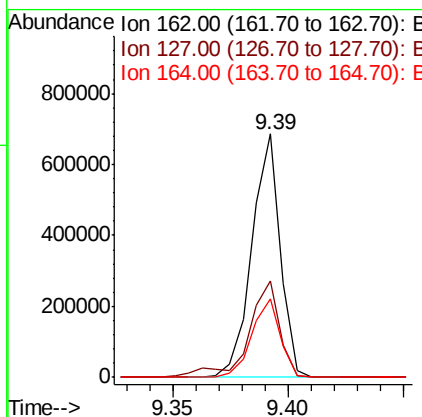
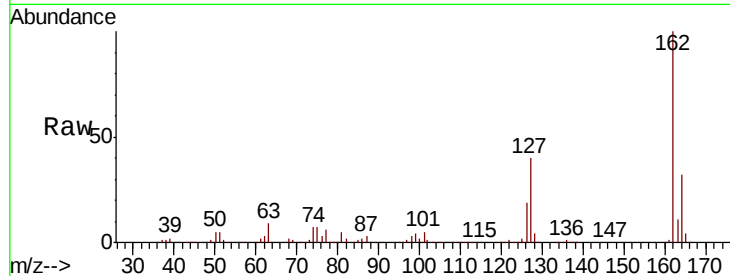
#47
 2-Chloronaphthalene
 Concen: 43.058 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.8	35.0	52.4
164	32.5	28.4	42.6

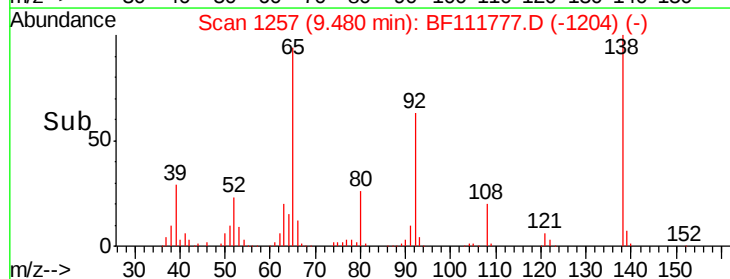
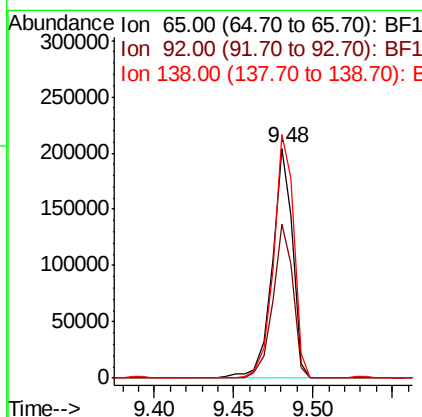
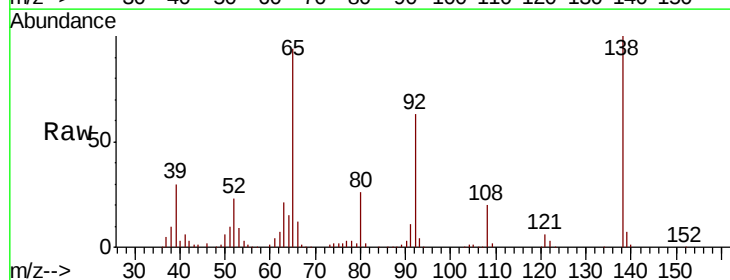
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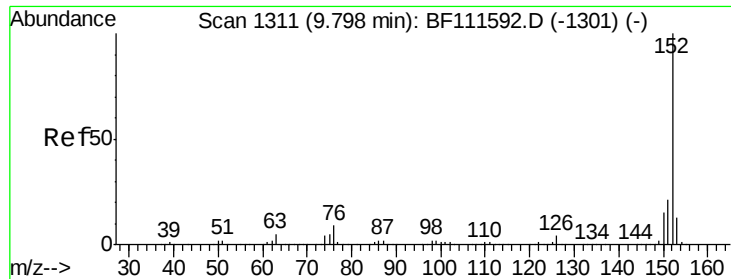
Sohil
 12/28/2018 10:37:31 AM



#48
 2-Nitroaniline
 Concen: 51.479 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.1	53.5	80.3
138	105.9	80.9	121.3





#49

Acenaphthylene

Concen: 45.797 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

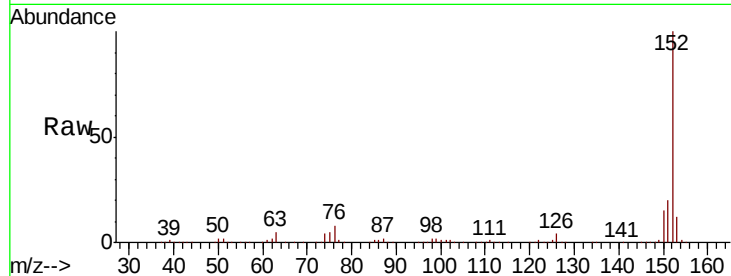
ClientSampleId :

BU-03-122118MSD

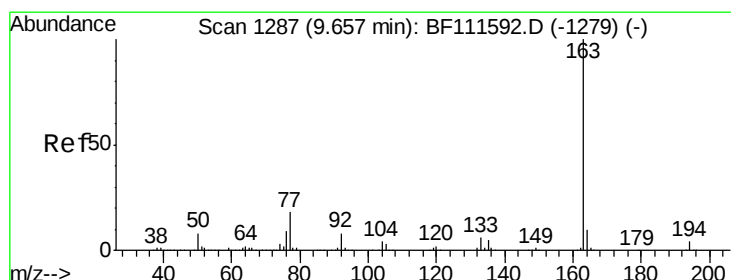
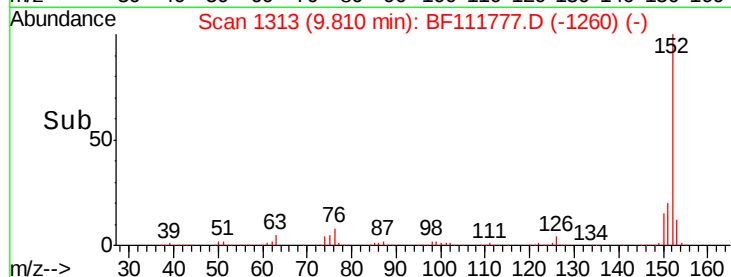
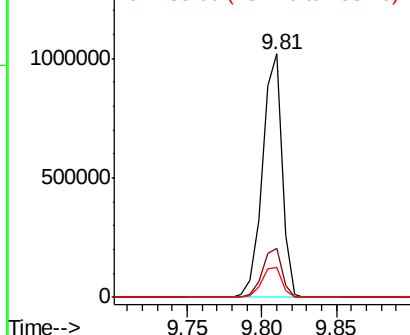
Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		913656		
151	20.0		18.0	27.0	
153	12.4		12.3	18.5	

Manual Integrations
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12/28/2018 10:37:31 AM



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: 46.998 ng

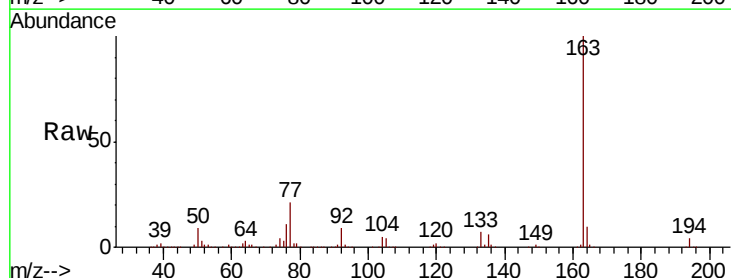
RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

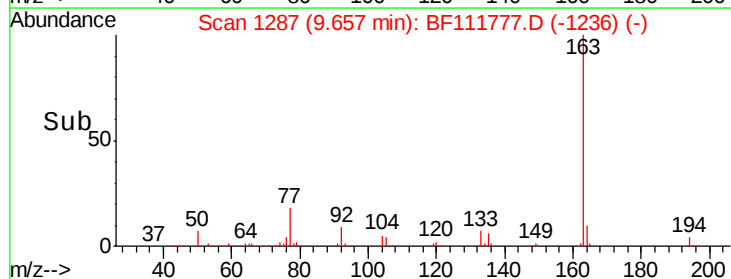
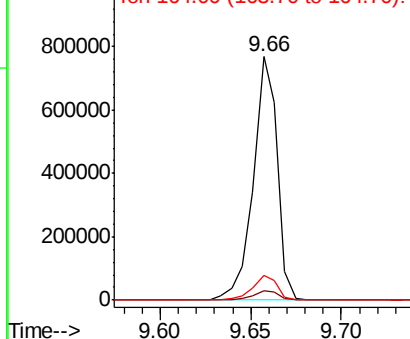
Lab File: BF111777.D

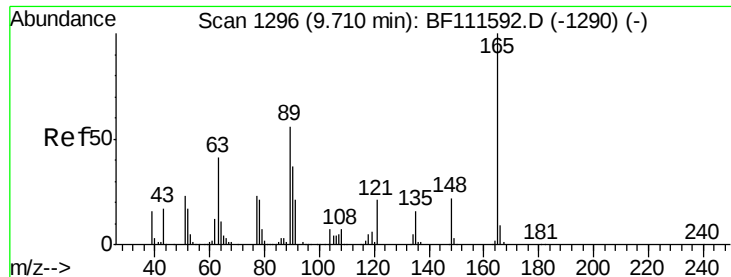
Acq: 27 Dec 2018 21:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		702141		
194	3.9		3.0	4.6	
164	10.1		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





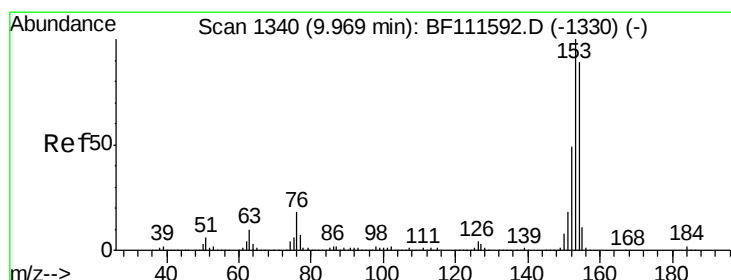
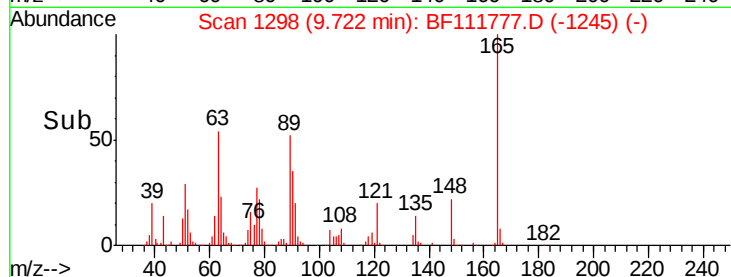
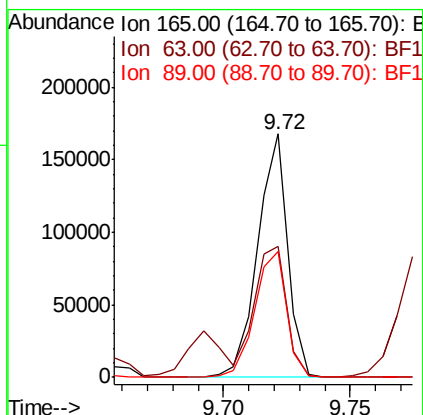
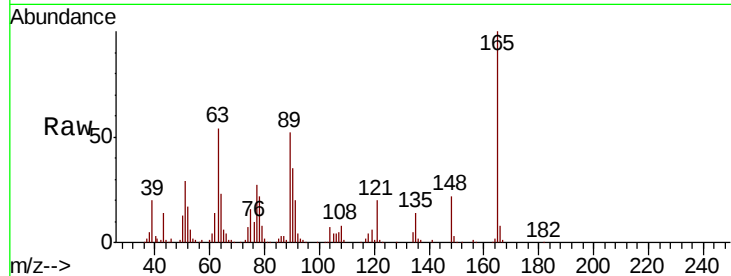
#51
2,6-Dinitrotoluene
Concen: 46.411 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	138259		
63	53.6		40.5	60.7
89	51.7		40.0	60.0

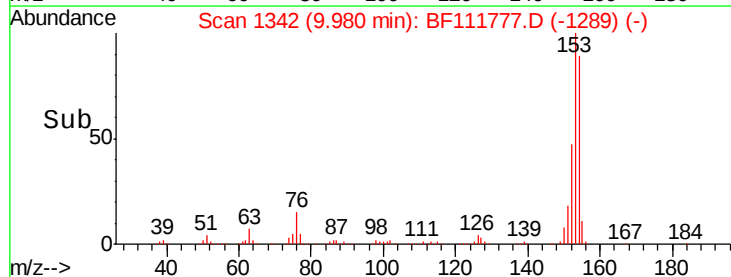
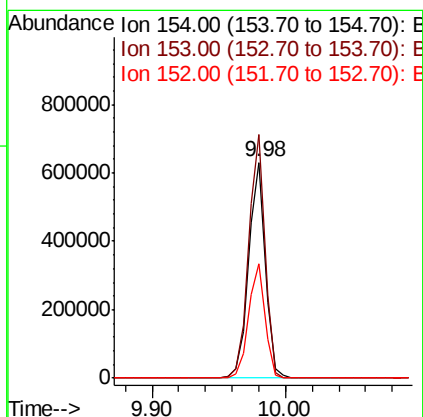
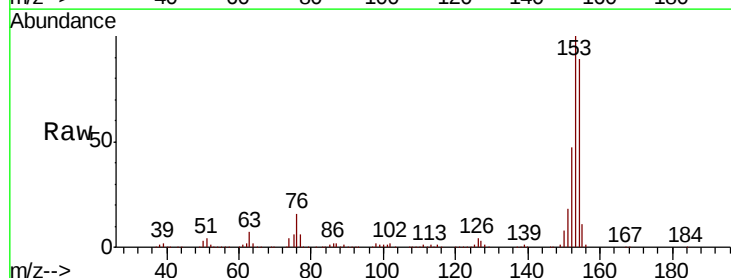
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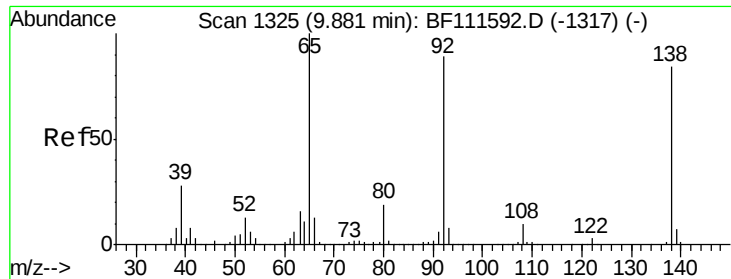
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#52
Acenaphthene
Concen: 43.571 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	536124		
153	112.8		87.8	131.8
152	53.2		43.4	65.2





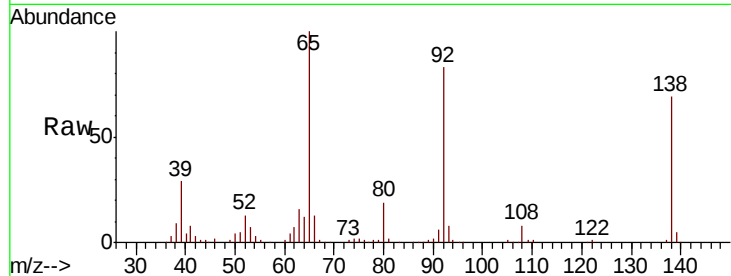
#53
 3-Nitroaniline
 Concen: 24.059 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.2	12.4
92	119.2	93.4	140.2

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 12/28/2018 10:37:31 AM

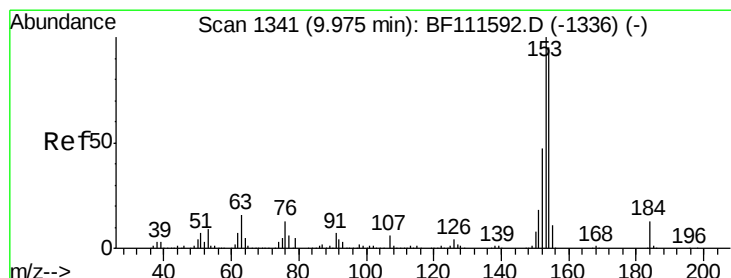
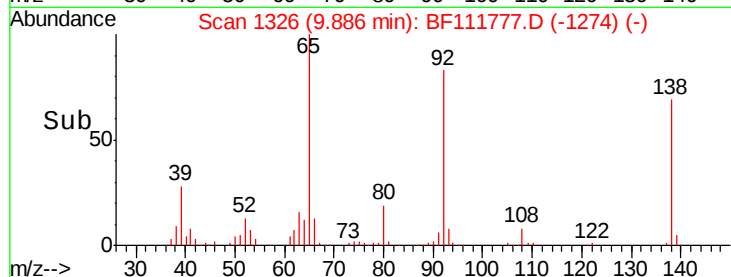
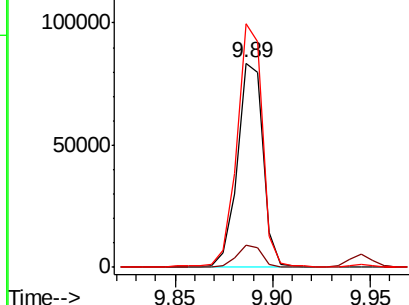


Abundance

Ion 138.00 (137.70 to 138.70): E

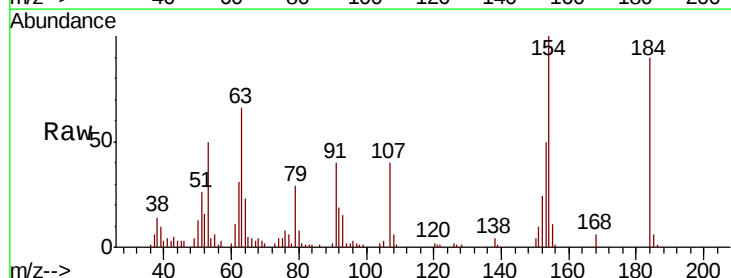
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
 2,4-Dinitrophenol
 Concen: 27.659 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. 0.02 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
184	100		
63	73.0	62.3	93.5
154	111.2	56.2	84.2#

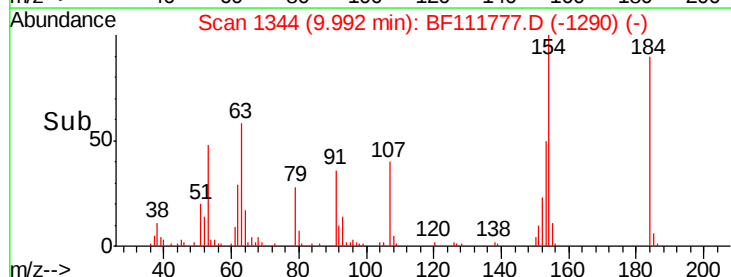
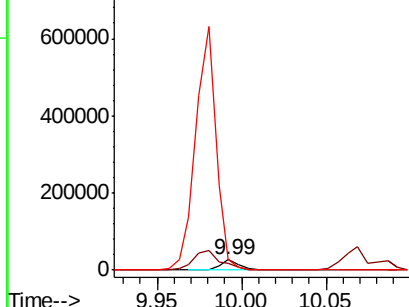


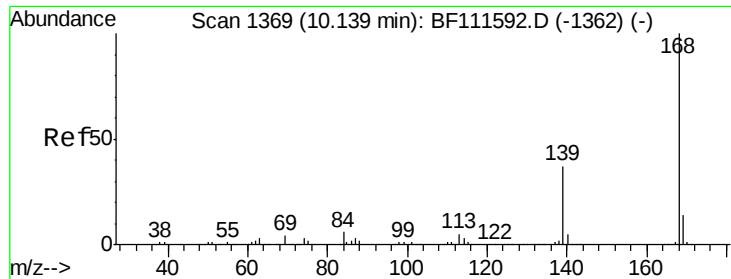
Abundance

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





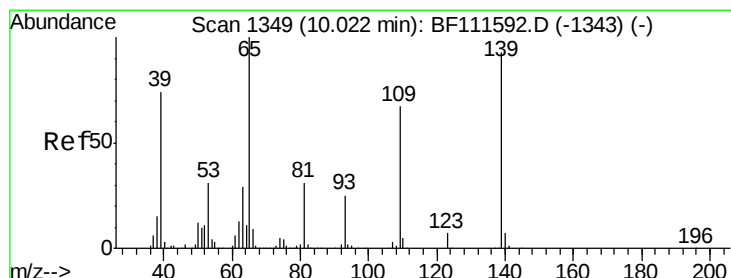
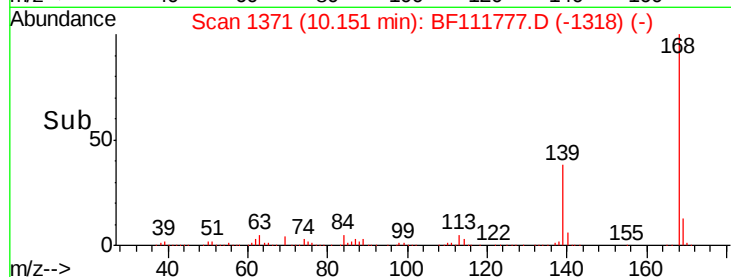
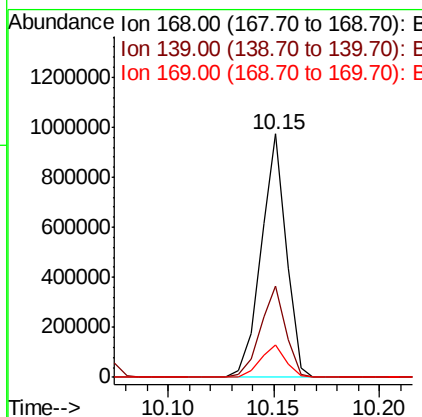
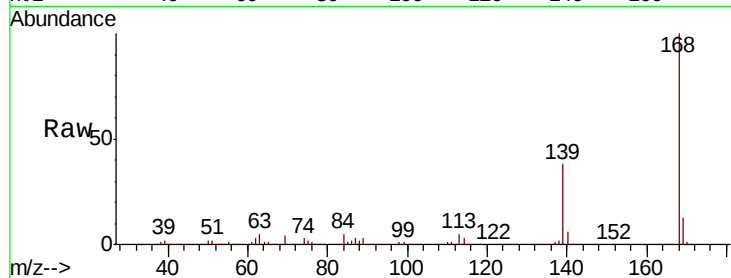
#55
Dibenzenofuran
Concen: 43.160 ng
RT: 10.15 min Scan# 1371
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	32.6	49.0
169	13.1	11.8	17.6

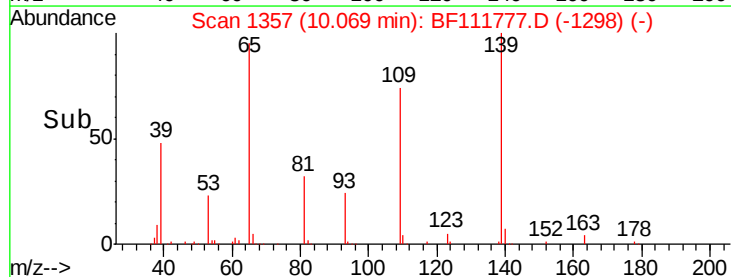
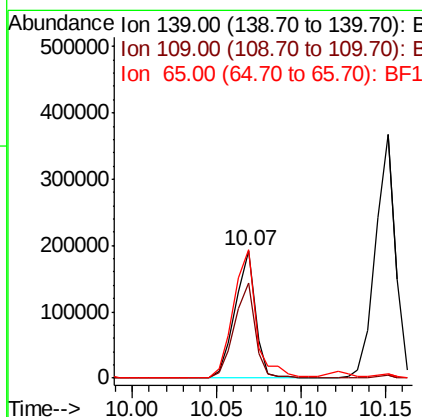
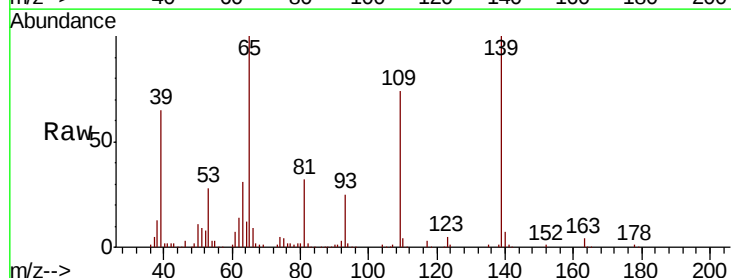
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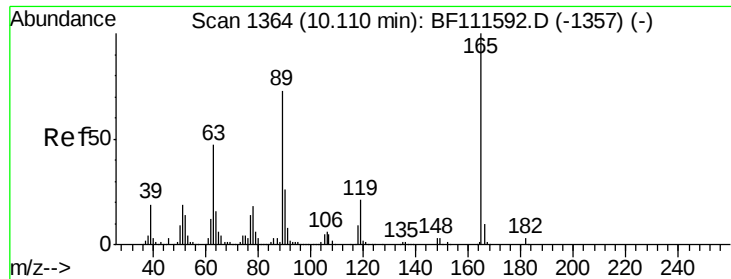
Sohil
12/28/2018 10:37:31 AM



#56
4-Nitrophenol
Concen: 67.023 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.05 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.8	41.8	81.8
65	100.5	79.6	119.6





#57

2,4-Dinitrotoluene

Concen: 49.381 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

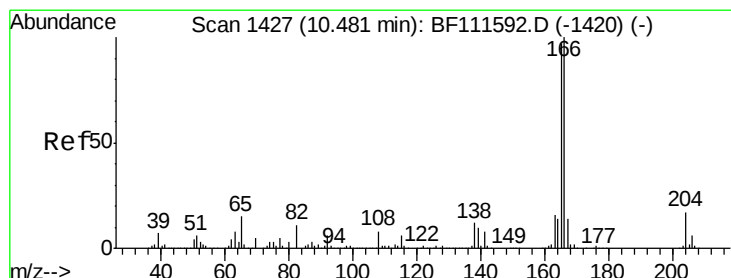
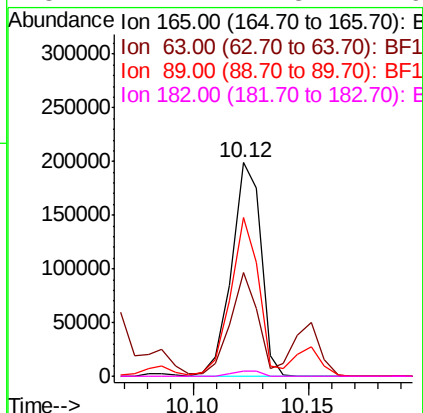
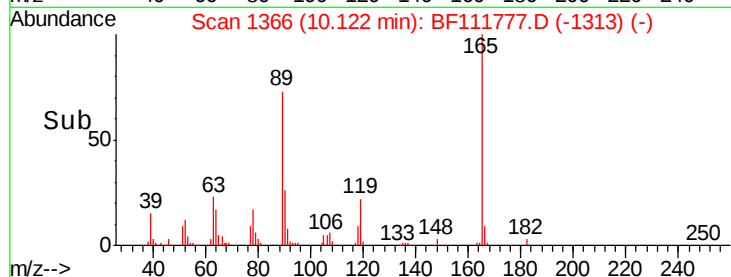
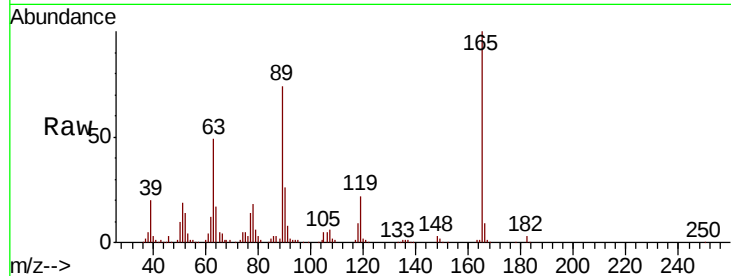
ClientSampleId :

BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	48.7	34.6	52.0
89	74.2	56.2	84.4
182	2.7	1.8	2.6#

Manual Integrations
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#58

Fluorene

Concen: 45.921 ng

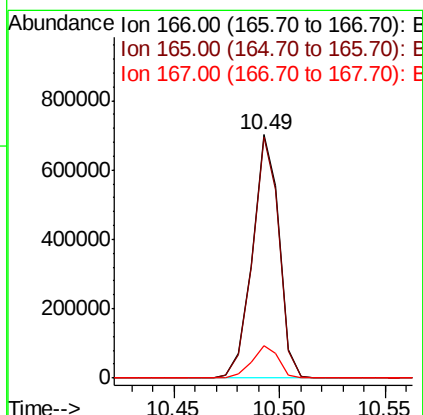
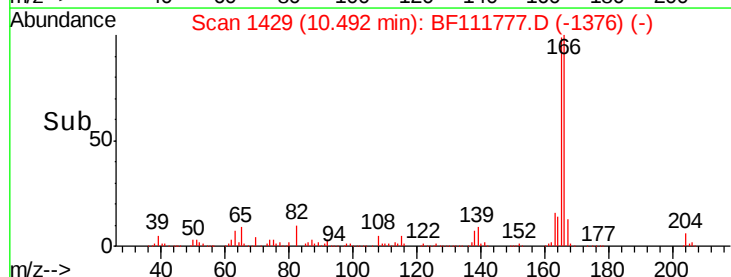
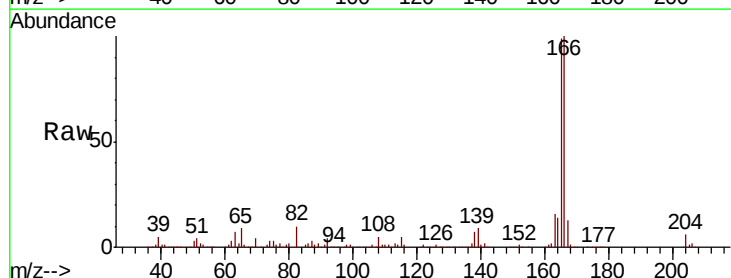
RT: 10.49 min Scan# 1429

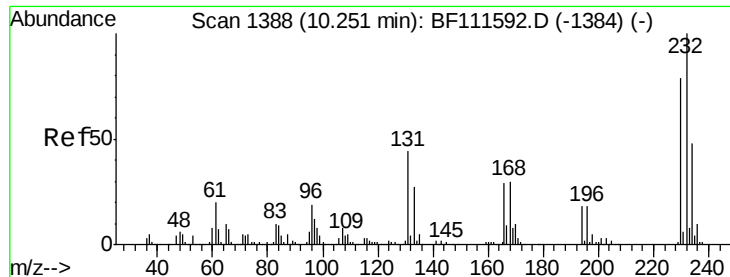
Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.4	117.6
167	13.3	11.2	16.8





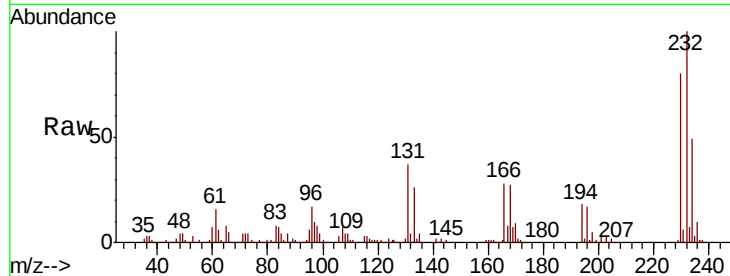
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.891 ng
RT: 10.27 min Scan# 1392
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	41.7	40.9	61.3
130	2.1	2.0	3.0
166	29.5	26.8	40.2

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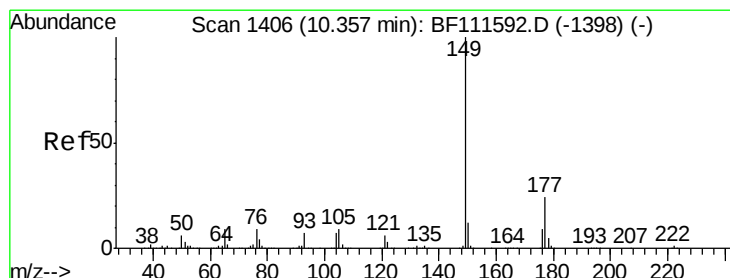
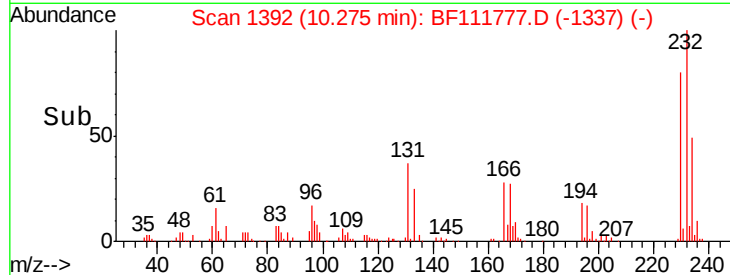
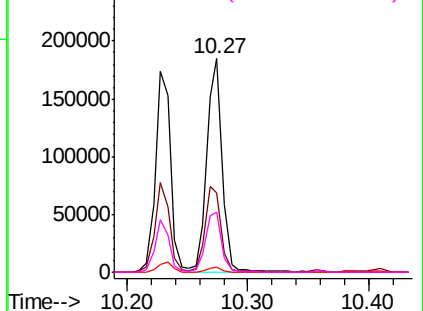
Abundance

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: 45.611 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

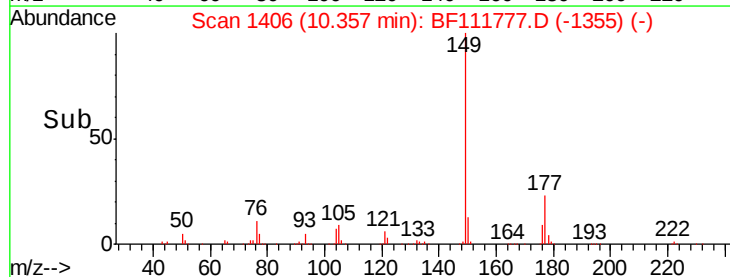
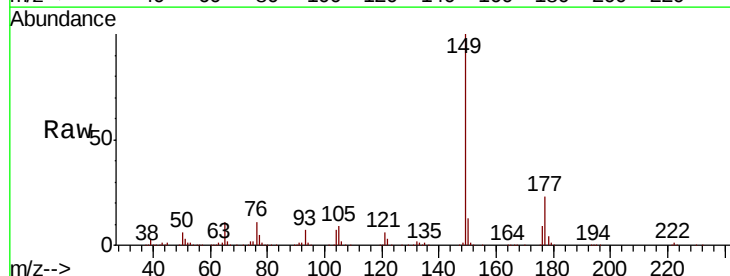
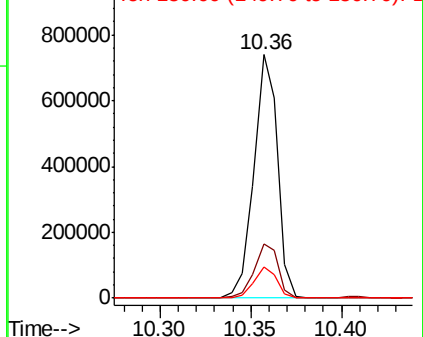
Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.3	27.5
150	12.9	10.6	15.8

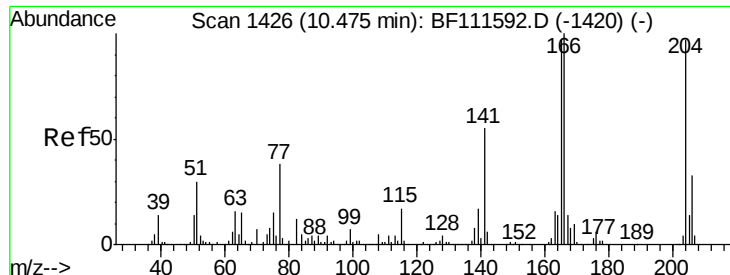
Abundance

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





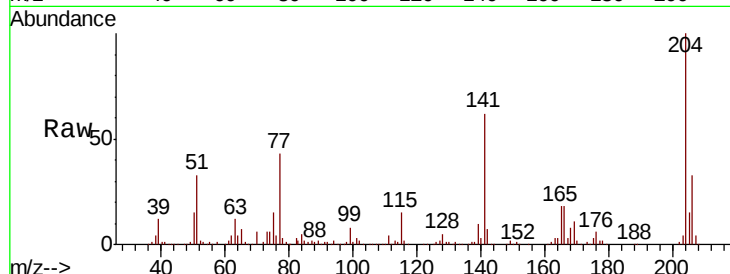
#61
4-Chlorophenyl-phenylether
Concen: 42.713 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.6	39.8
141	61.9	52.6	78.8

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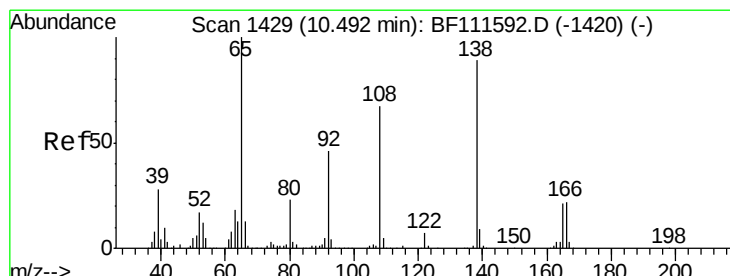
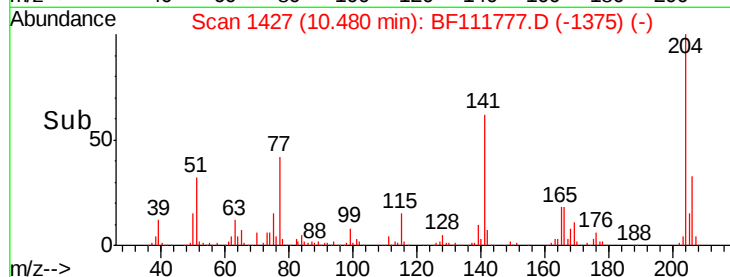
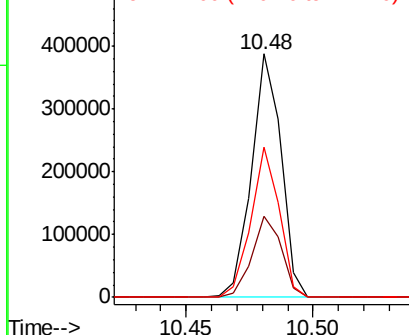


Abundance

Ion 204.00 (203.70 to 204.70): E

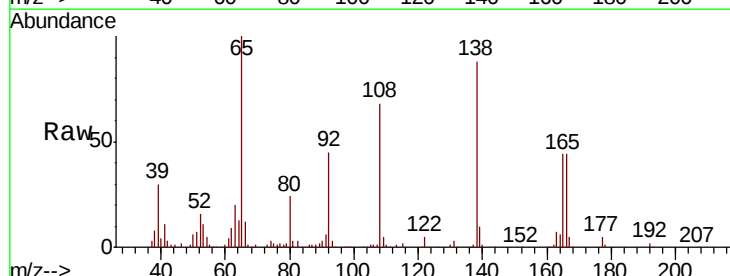
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 46.718 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.1	29.9	69.9
108	78.1	43.2	83.2

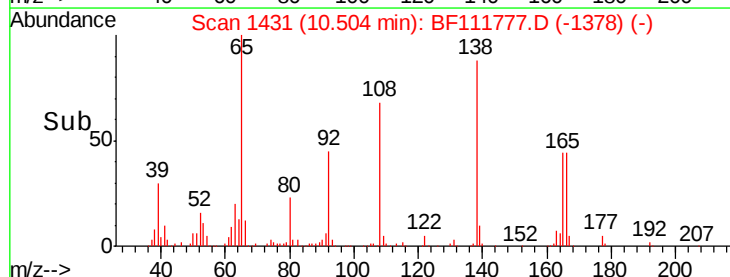
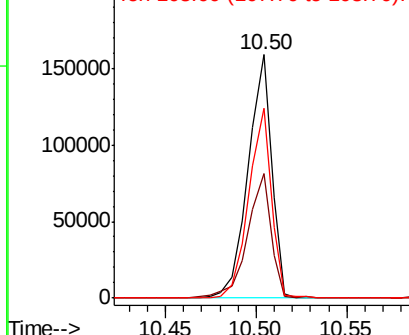


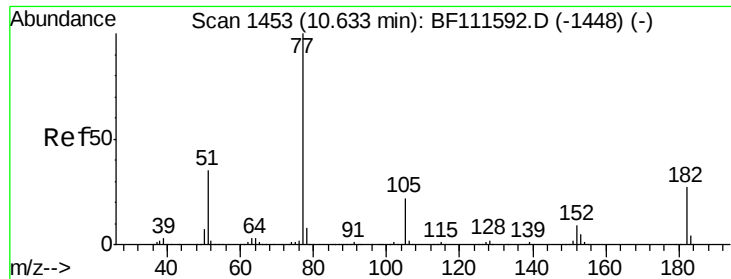
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





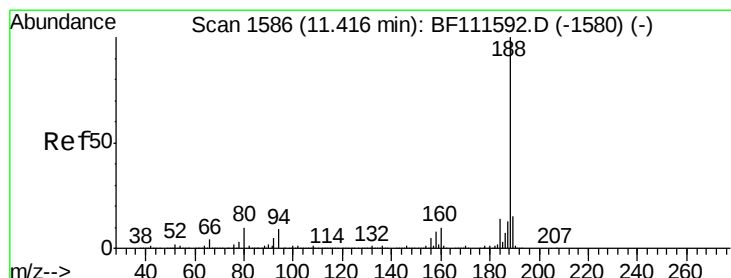
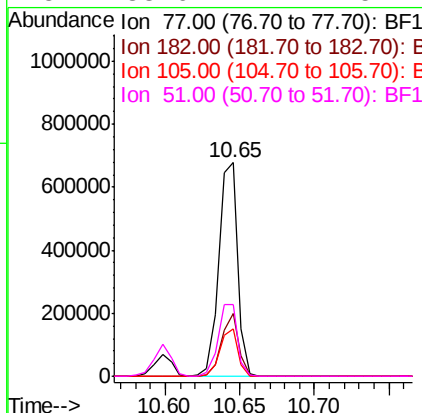
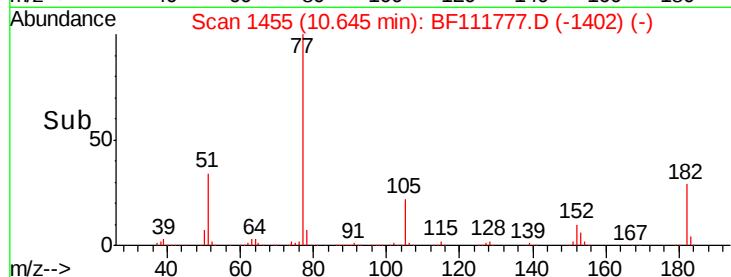
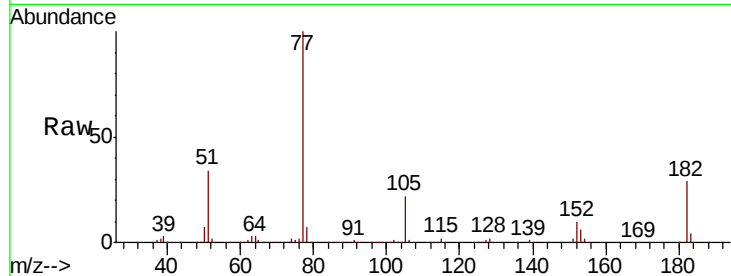
#63
Azobenzene
Concen: 41.142 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	29.2	4.9	44.9	
105	22.2	6.0	46.0	
51	33.6	14.7	54.7	

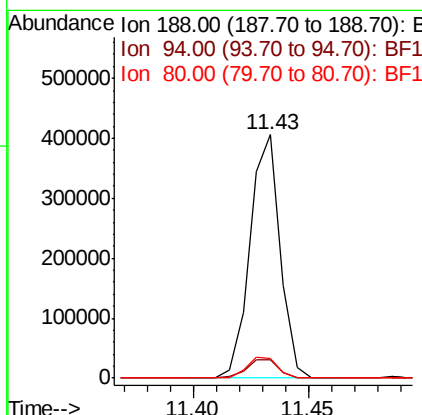
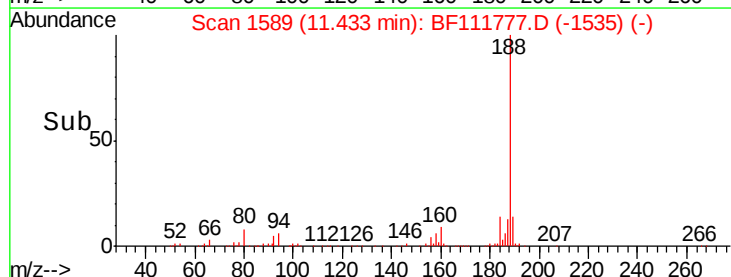
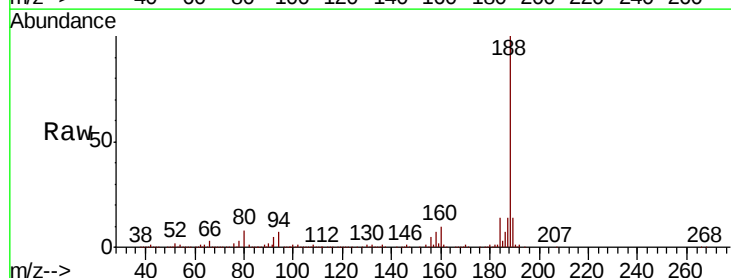
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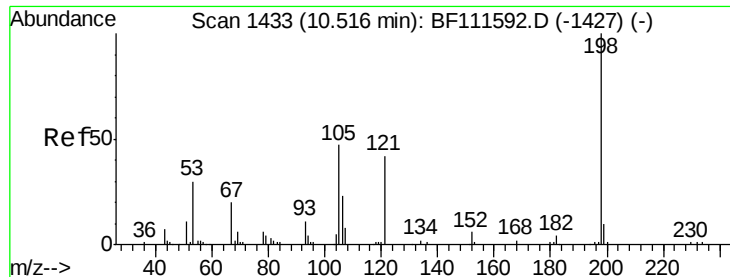
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	7.4	9.6	14.4#	
80	8.1	9.8	14.6#	





#65

4,6-Dinitro-2-methylphenol

Concen: 16.990 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

Tot Ion:198 Resp: 18284

Ion Ratio Lower Upper

198 100

51 51.1 48.0 88.0

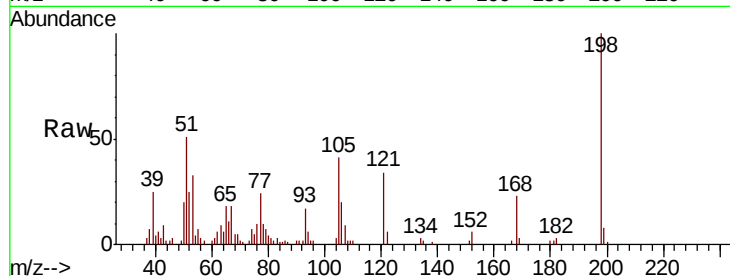
105 40.8 34.0 74.0

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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

150000

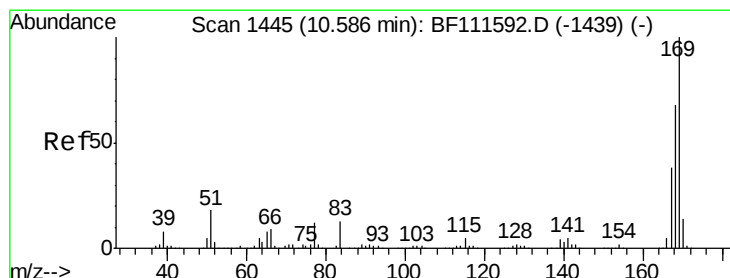
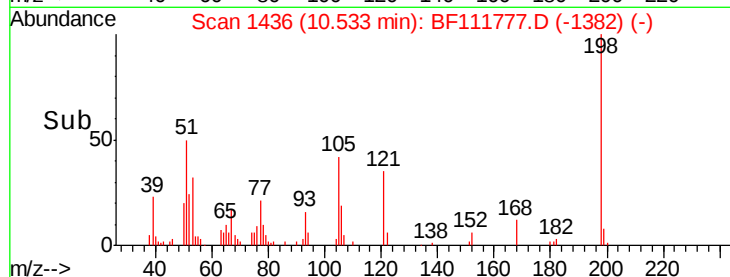
100000

50000

0

10.50 10.53 10.55

Time-->



#66

n-Nitrosodiphenylamine

Concen: 43.087 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

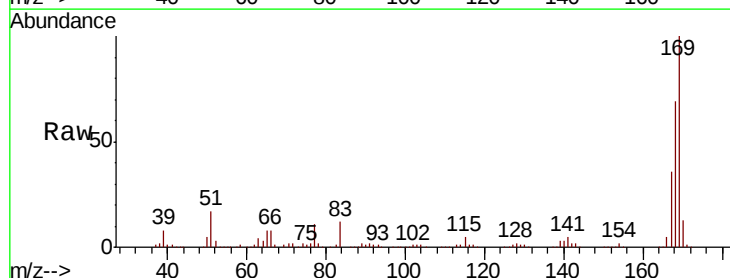
Tgt Ion:169 Resp: 534739

Ion Ratio Lower Upper

169 100

168 68.6 54.4 81.6

167 36.4 30.5 45.7



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

800000

600000

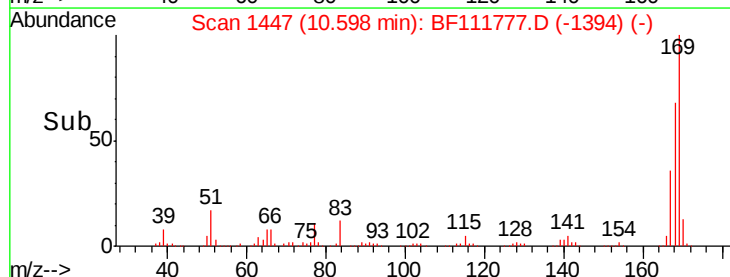
400000

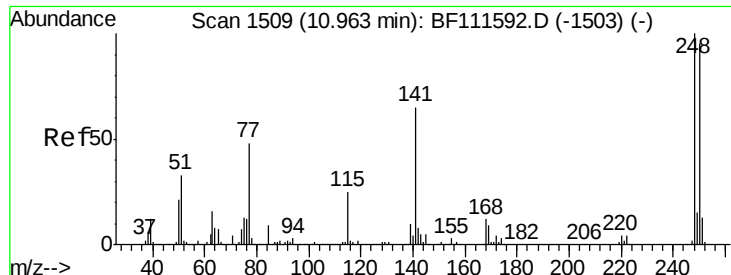
200000

0

10.55 10.60 10.65

Time-->





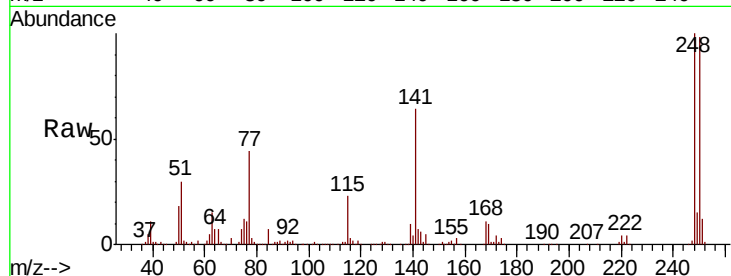
#67
4-Bromophenyl-phenylether
Concen: 42.225 ng
RT: 10.97 min Scan# 1511
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.0	115.4
141	64.2	63.0	94.6

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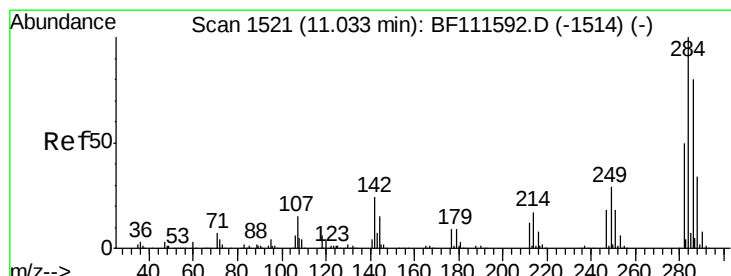
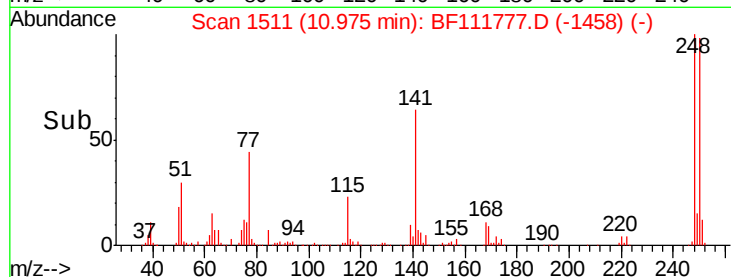
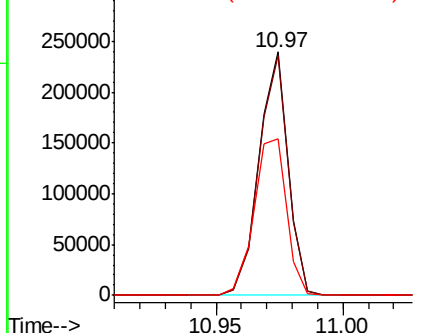


Abundance

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: 42.772 ng
RT: 11.05 min Scan# 1523
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

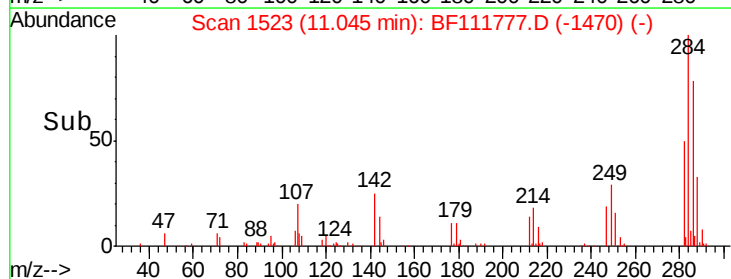
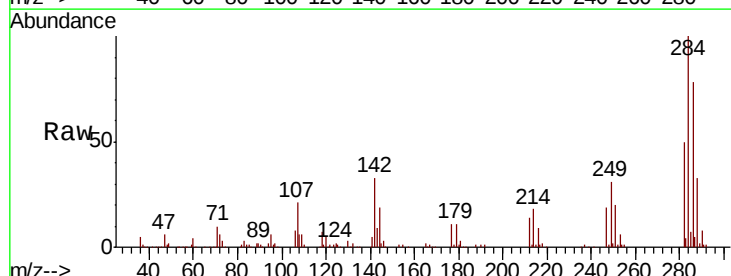
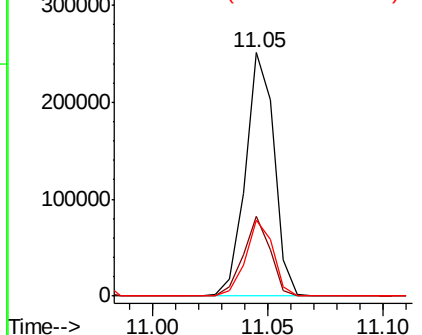
Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.9	27.4	41.2
249	31.3	24.4	36.6

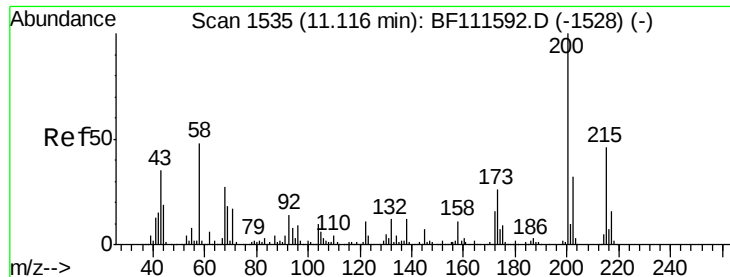
Abundance

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: 40.011 ng

RT: 11.13 min Scan# 1537

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

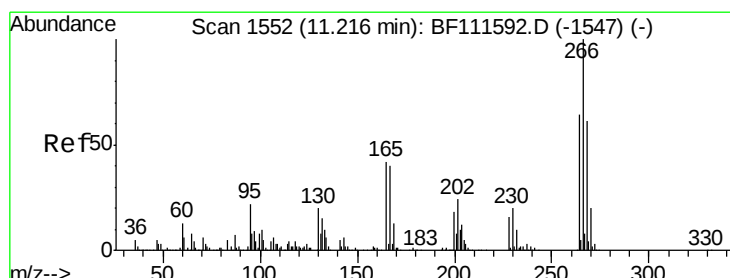
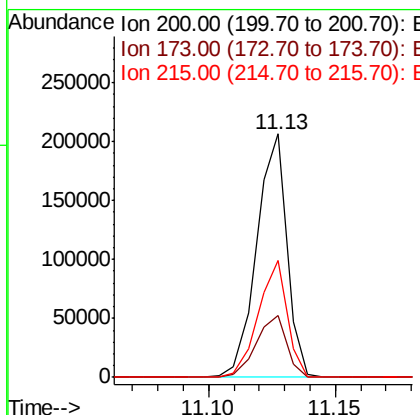
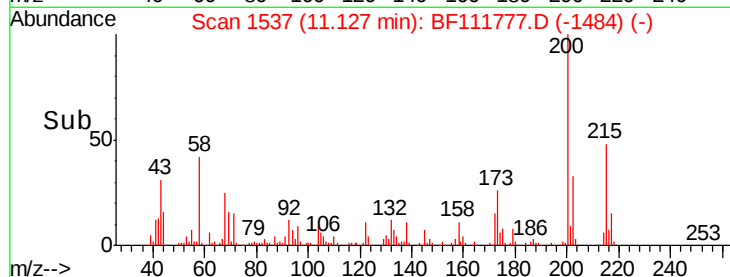
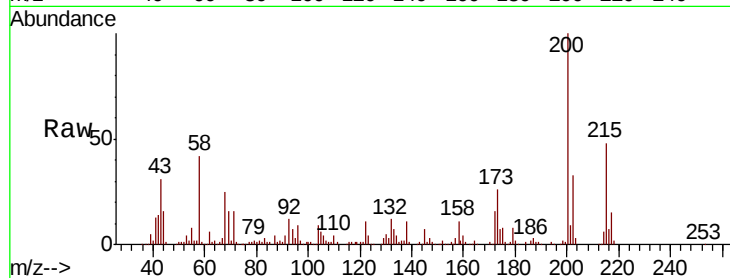
ClientSampleId :

BU-03-122118MSD

Tot Ion:	200	Resp:	172512
Ion Ratio	Lower	Upper	
200	100		
173	25.5	10.1	50.1
215	48.2	26.9	66.9

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#70

Pentachlorophenol

Concen: 51.686 ng

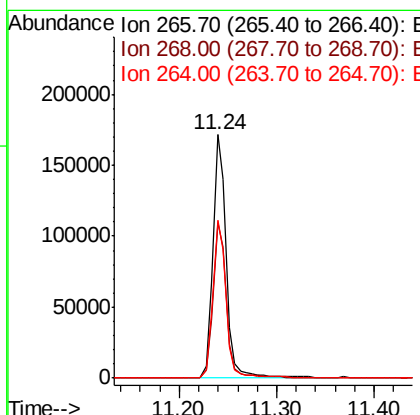
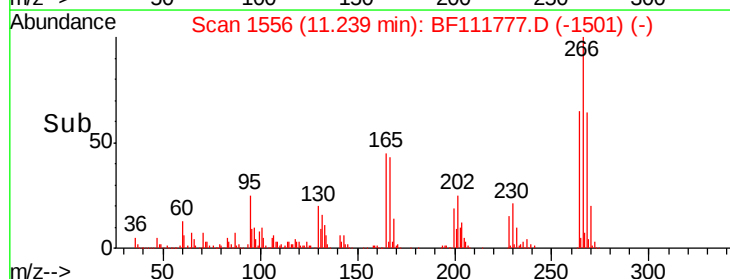
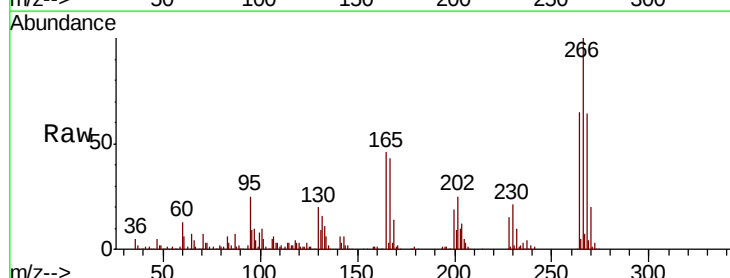
RT: 11.24 min Scan# 1556

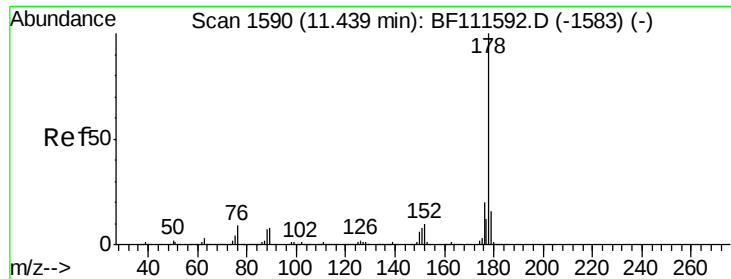
Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion:	266	Resp:	163376
Ion Ratio	Lower	Upper	
266	100		
268	63.8	47.9	71.9
264	64.8	49.1	73.7





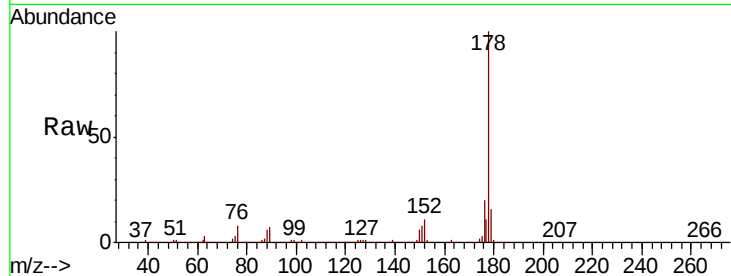
#71
Phenanthrene
Concen: 45.748 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	18.1	27.1
179	15.9	14.0	21.0

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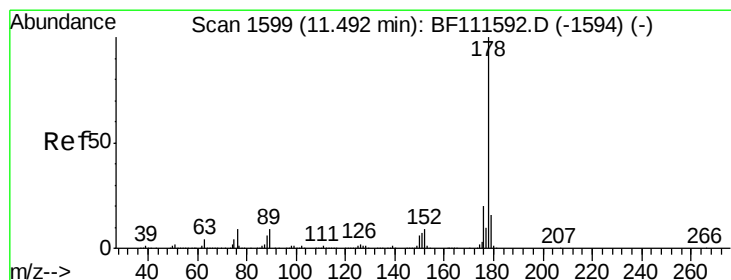
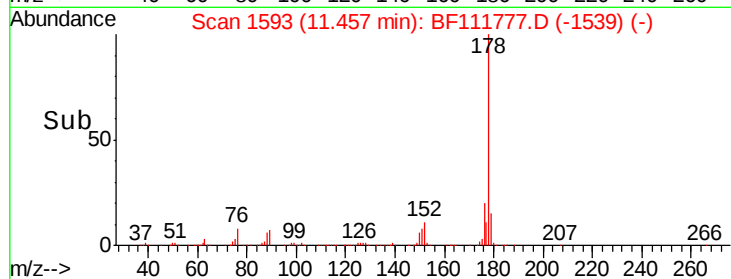
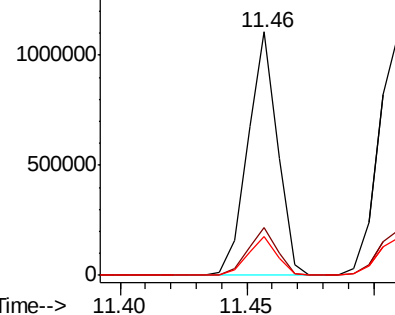


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 46.858 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

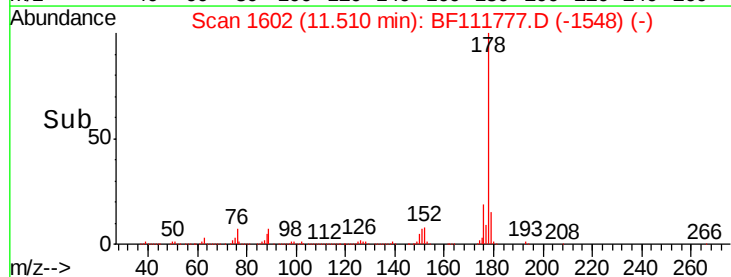
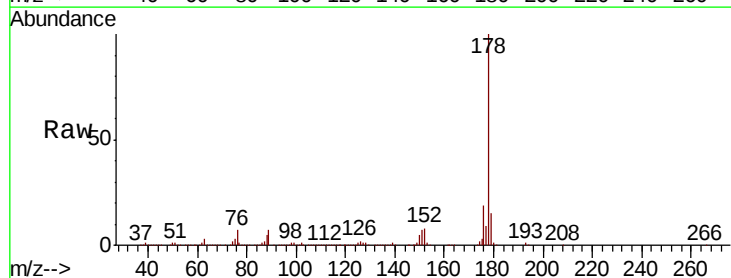
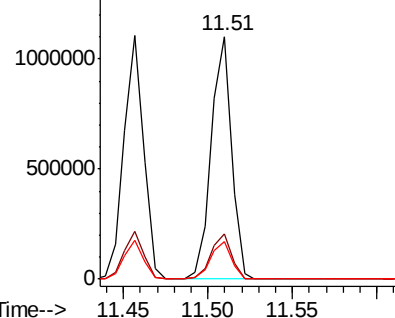
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	17.2	25.8
179	15.4	13.8	20.8

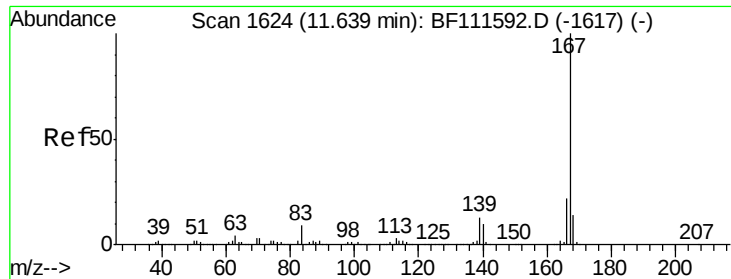
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





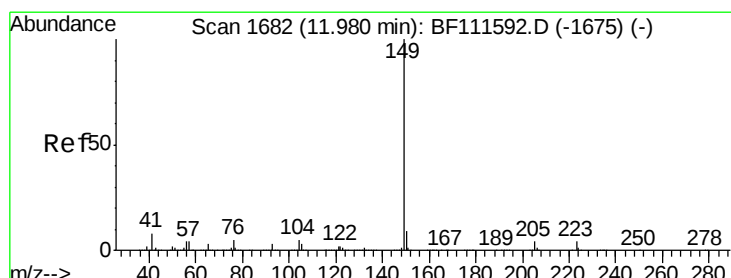
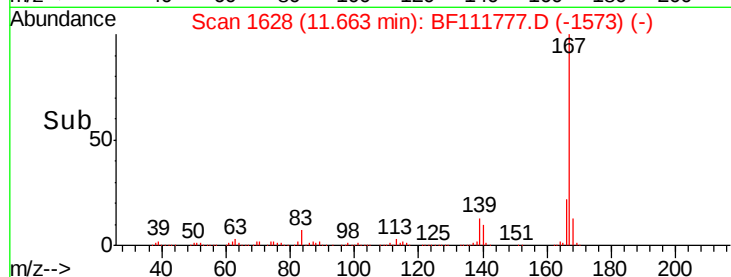
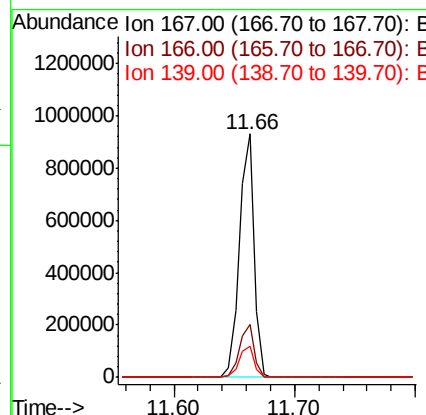
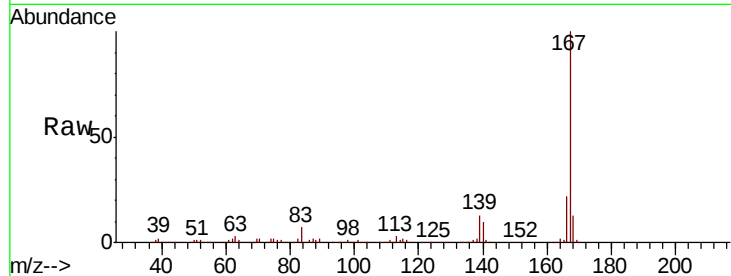
#73
 Carbazole
 Concen: 41.463 ng
 RT: 11.66 min Scan# 1628
 Delta R.T. 0.02 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100		792264		
166	21.8	19.3	28.9		
139	12.6	11.9	17.9		

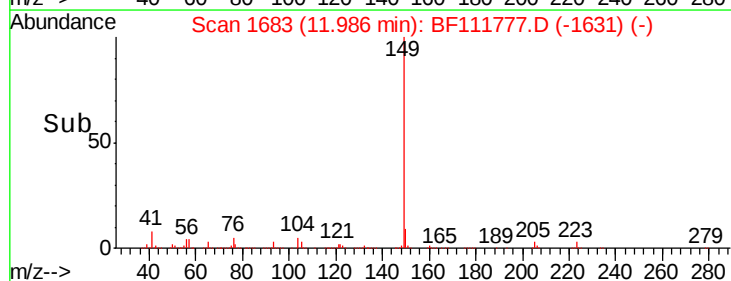
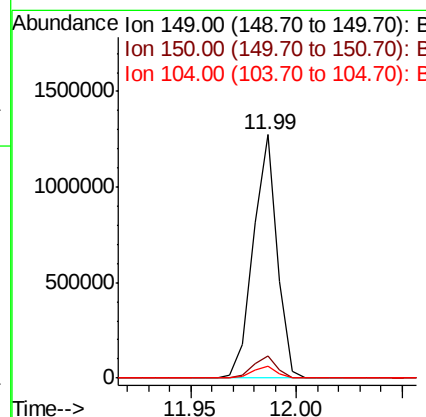
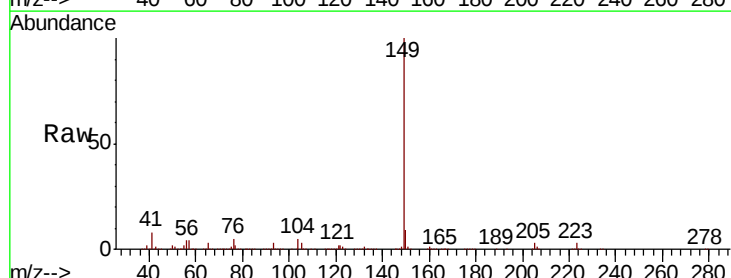
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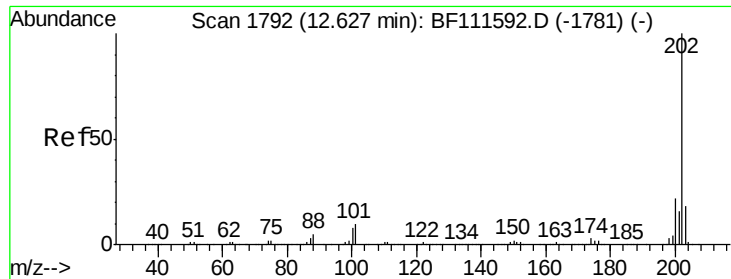
Sohil
 12/28/2018 10:37:31 AM



#74
 Di-n-butylphthalate
 Concen: 46.457 ng
 RT: 11.99 min Scan# 1683
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		995281		
150	9.2	8.8	13.2		
104	4.9	4.5	6.7		





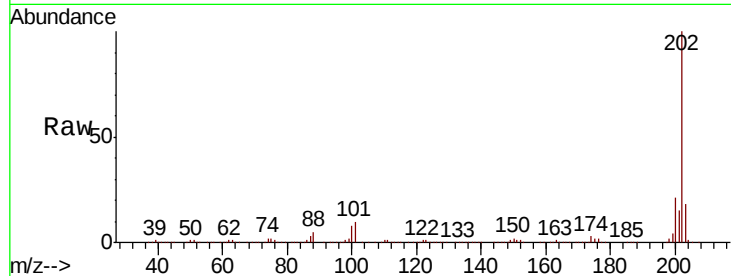
#75
 Fluoranthene
 Concen: 47.546 ng
 RT: 12.64 min Scan# 1795
 Delta R.T. 0.02 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	0.0	33.8
203	17.7	0.0	38.6

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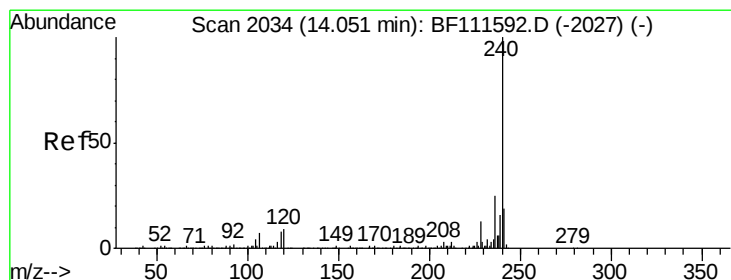
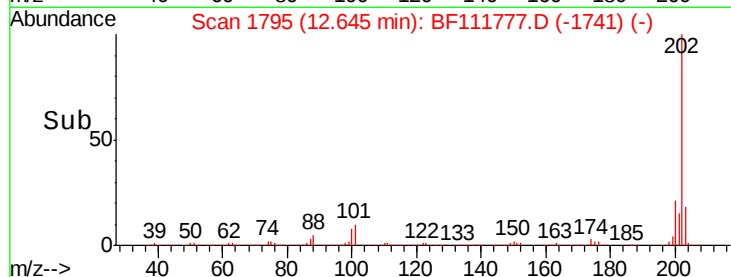
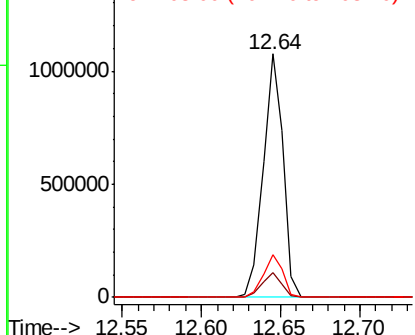


Abundance

Ion 202.00 (201.70 to 202.70): E

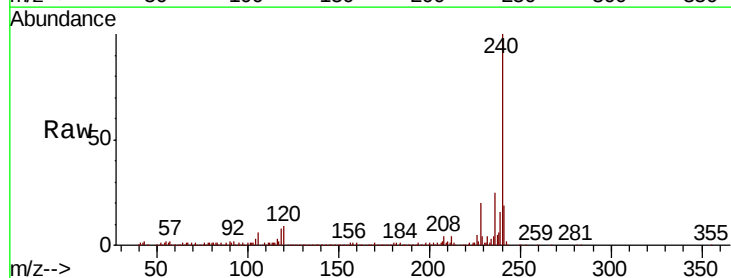
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. 0.02 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.7	12.2	18.2#
236	25.5	20.2	30.2

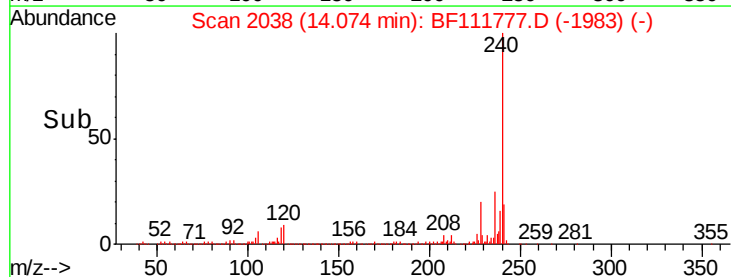
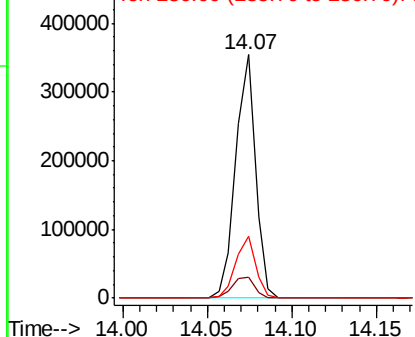


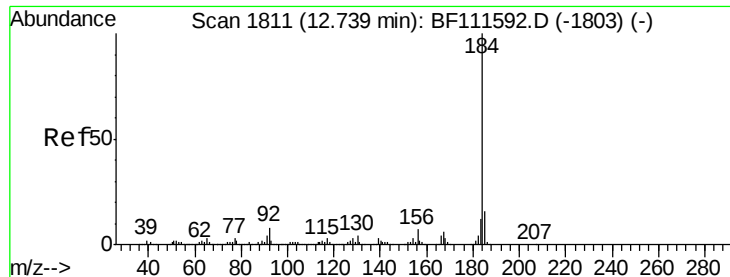
Abundance

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: 11.976 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

Tot Ion:184 Resp: 130427
Ion Ratio Lower Upper

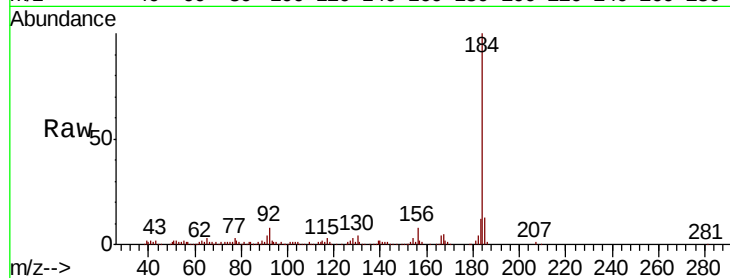
184 100

185 12.9 13.0 19.6#

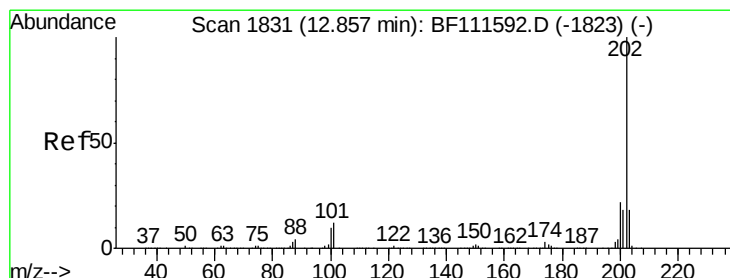
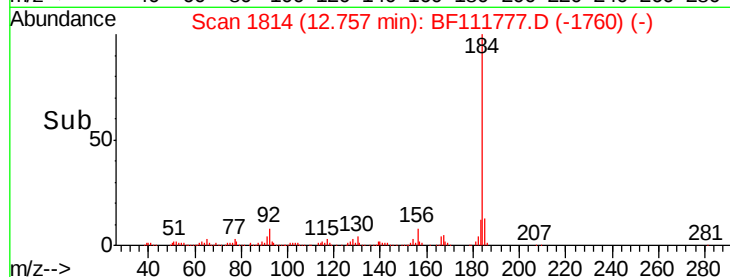
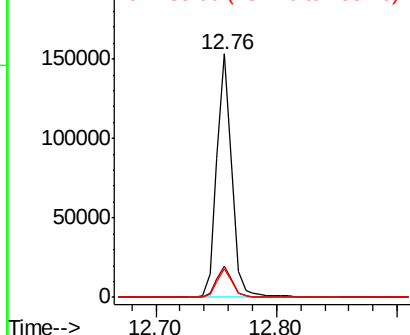
183 11.5 9.3 13.9

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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: 46.675 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.02 min

Lab File: BF111777.D

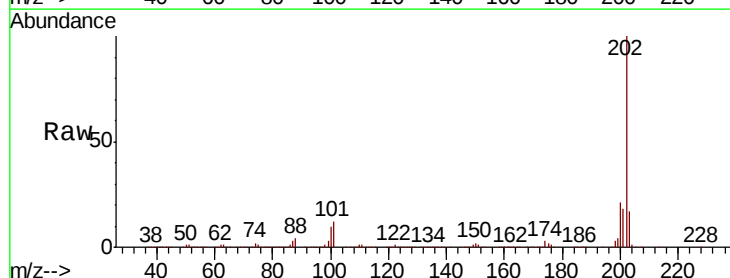
Acq: 27 Dec 2018 21:55

Tgt Ion:202 Resp: 953969
Ion Ratio Lower Upper

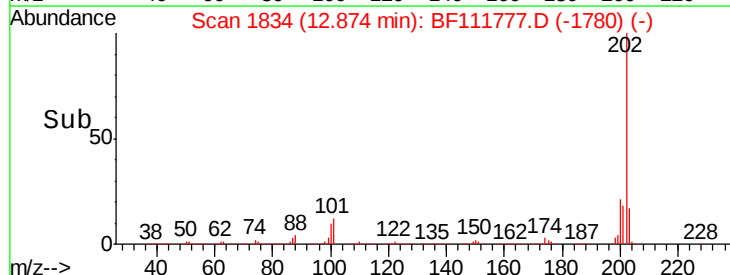
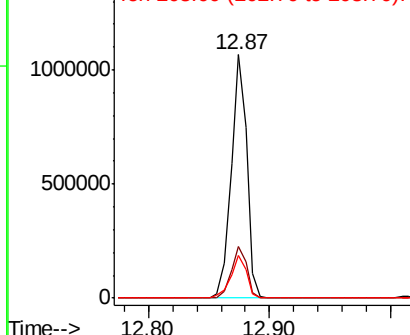
202 100

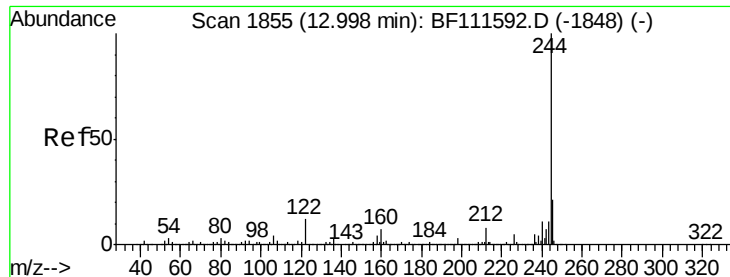
200 21.1 19.0 28.4

203 17.5 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





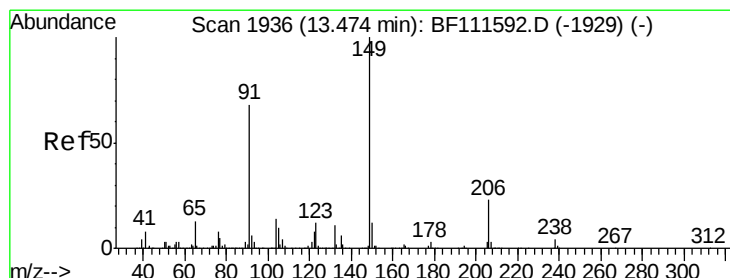
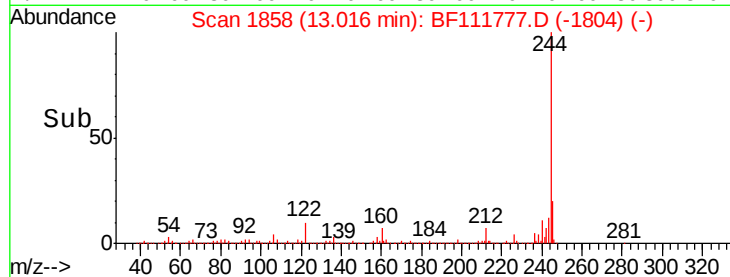
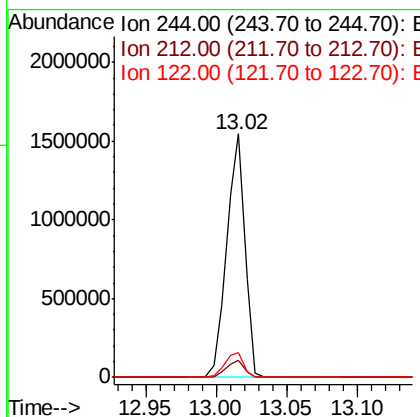
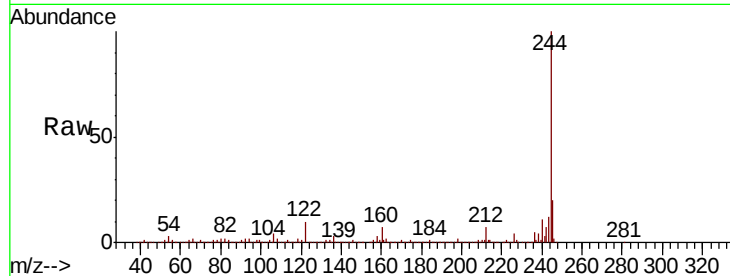
#79
 Terphenyl-d14
 Concen: 90.147 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. 0.02 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.2	13.1	19.7

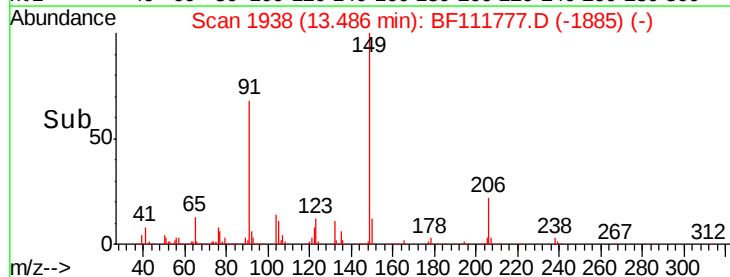
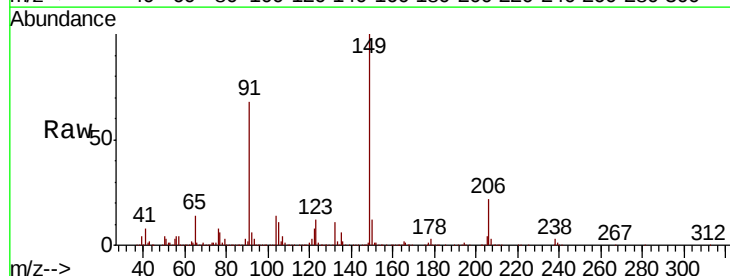
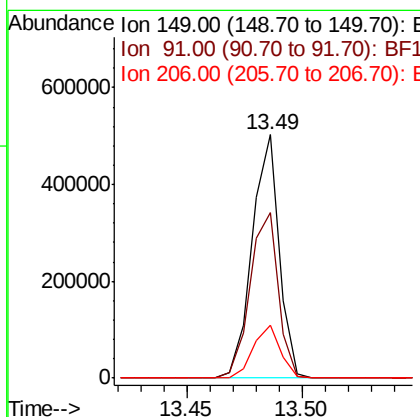
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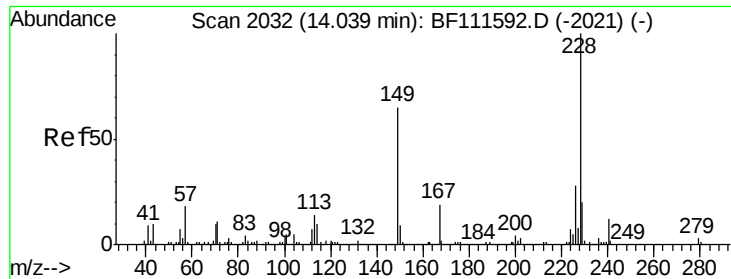
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#80
 Butylbenzylphthalate
 Concen: 49.286 ng
 RT: 13.49 min Scan# 1938
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
149	100		
91	67.8	63.8	95.6
206	21.8	15.1	22.7





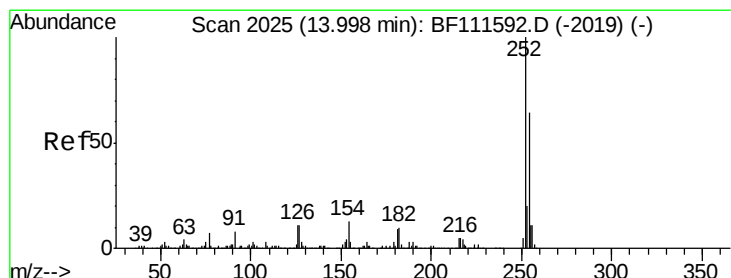
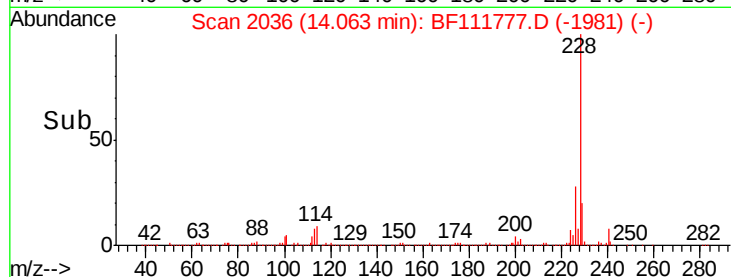
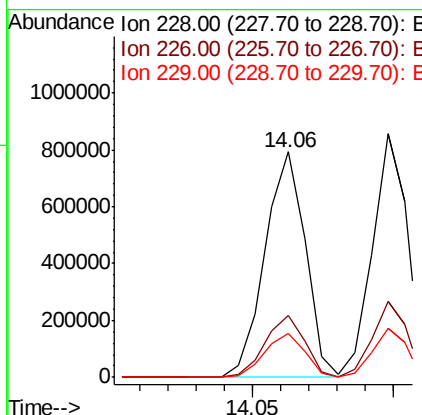
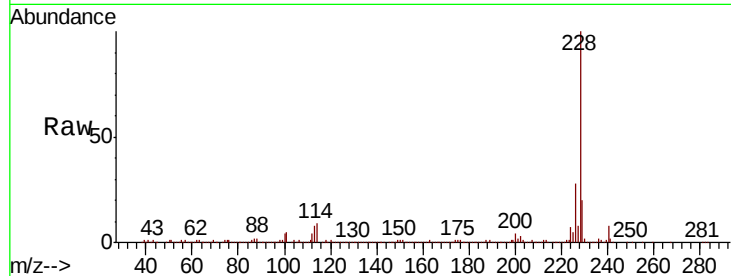
#81
Benzo(a)anthracene
Concen: 47.566 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion:	228	Resp:	785671
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.6	34.0
229	19.7	16.3	24.5

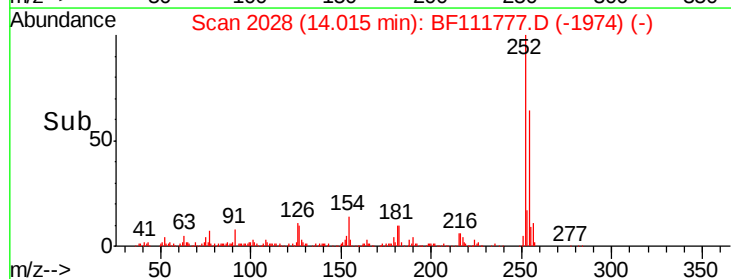
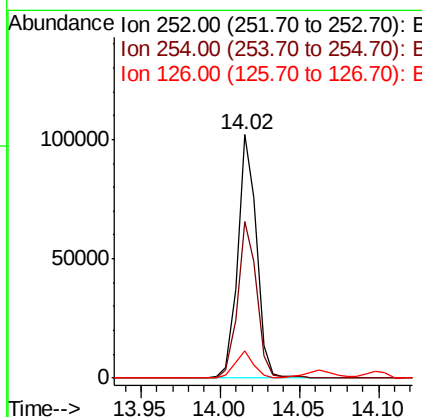
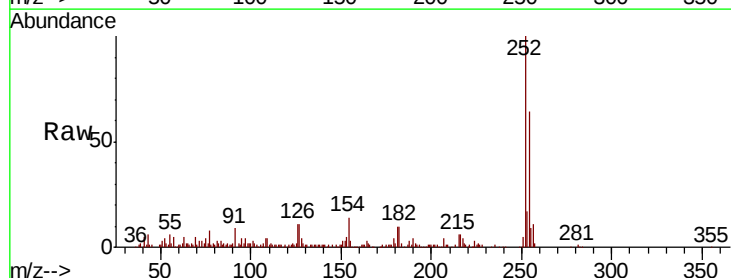
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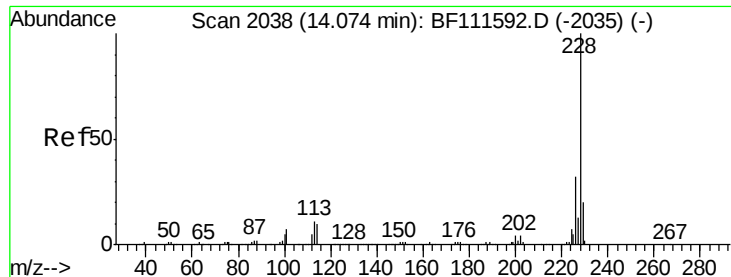
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#82
3,3'-Dichlorobenzidine
Concen: 12.862 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:	252	Resp:	83936
Ion Ratio	Lower	Upper	
252	100		
254	64.3	52.7	79.1
126	11.3	11.1	16.7





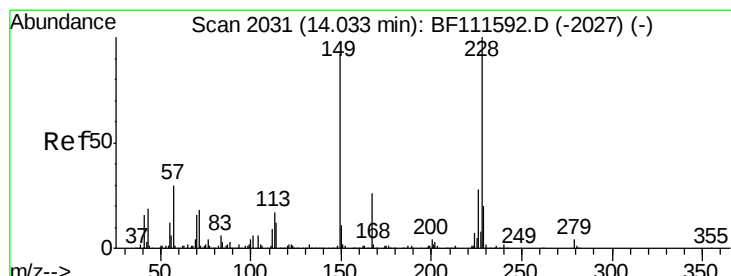
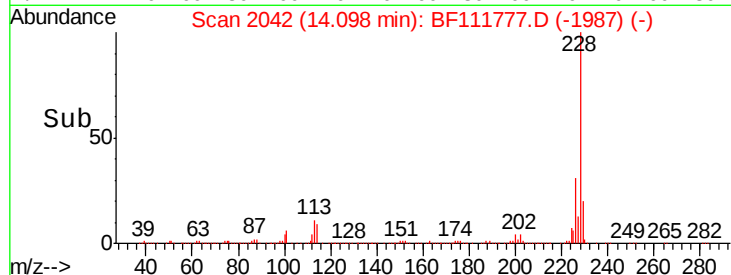
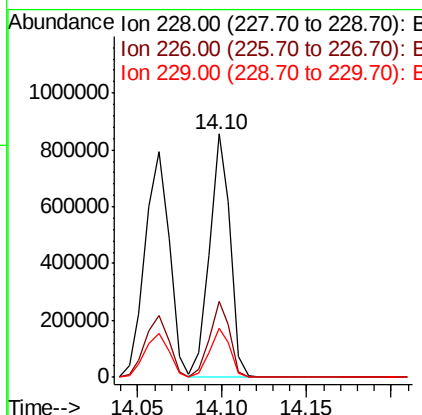
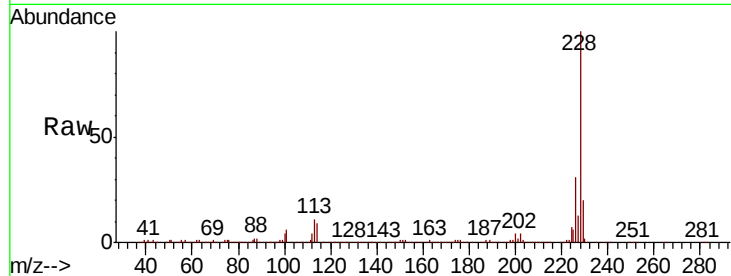
#83
 Chrvsene
 Concen: 45.029 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. 0.02 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	31.0	25.3	37.9	
229	20.0	17.2	25.8	

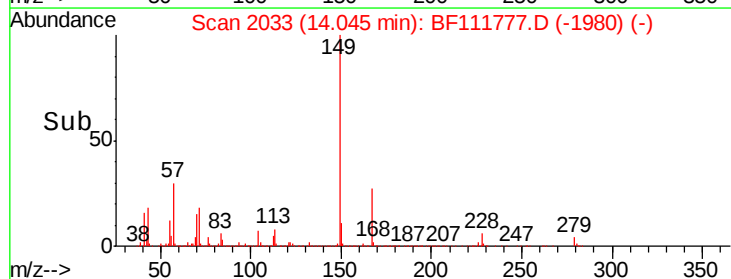
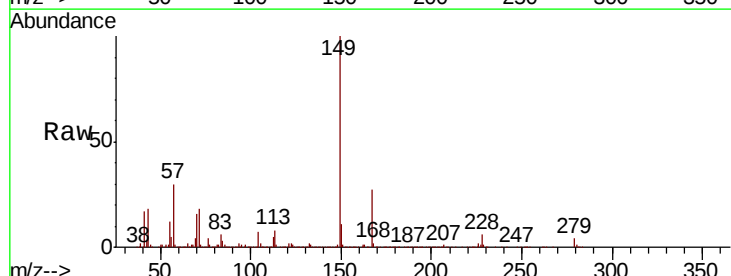
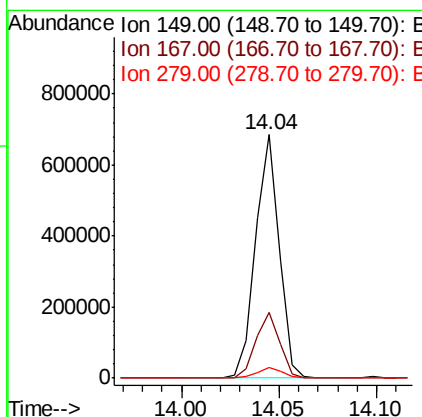
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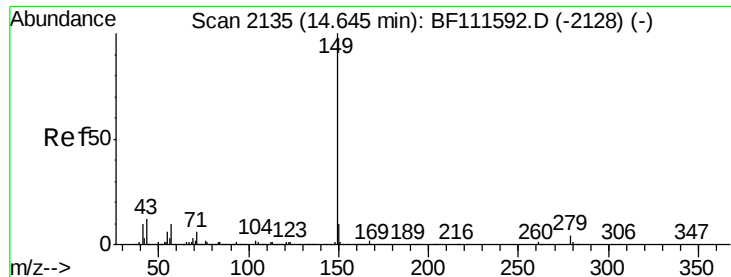
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 54.520 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion	Ion	Ratio	Lower	Upper
149	100			
167	27.1	22.5	33.7	
279	4.2	2.6	4.0#	





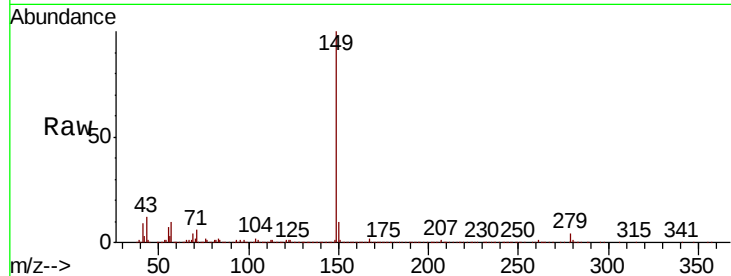
#85
Di-n-octyl phthalate
Concen: 55.445 ng
RT: 14.66 min Scan# 2137
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	901483		
167	1.6		1.3	1.9
43	11.6		10.9	16.3

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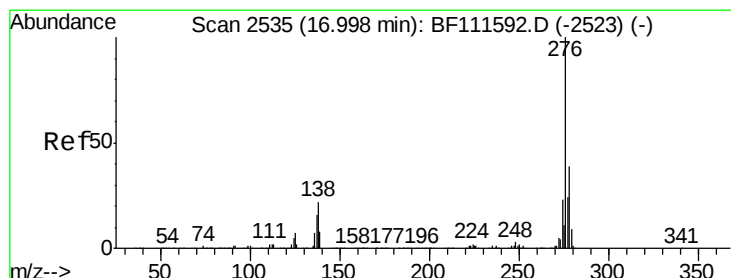
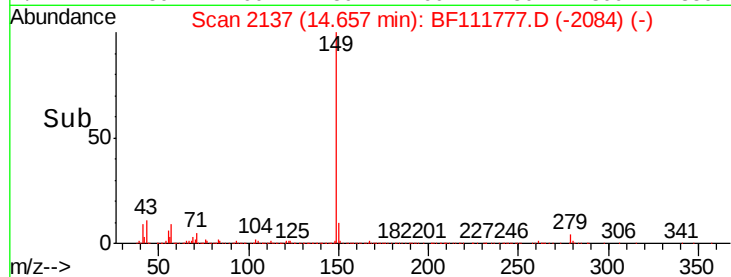
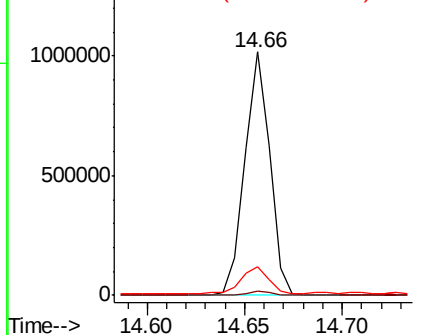


Abundance

Ion 149.00 (148.70 to 149.70): E

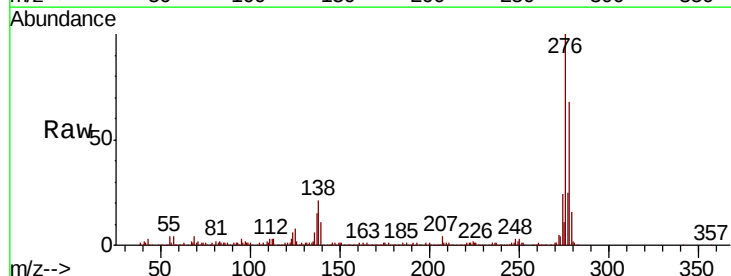
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86
Indeno(1,2,3-cd)pyrene
Concen: 41.424 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.07 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	571677		
138	21.6		27.8	41.6#
277	25.9		20.1	30.1

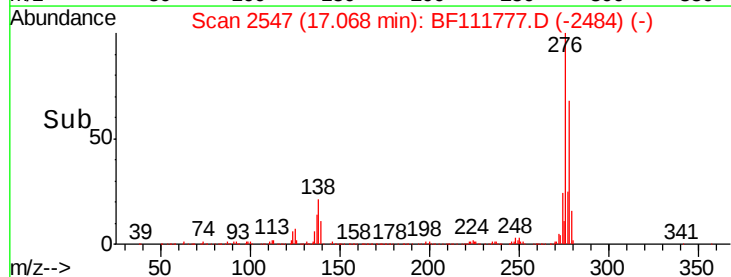
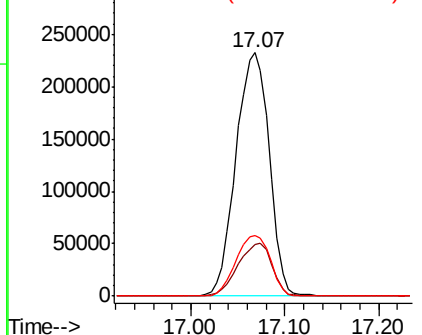


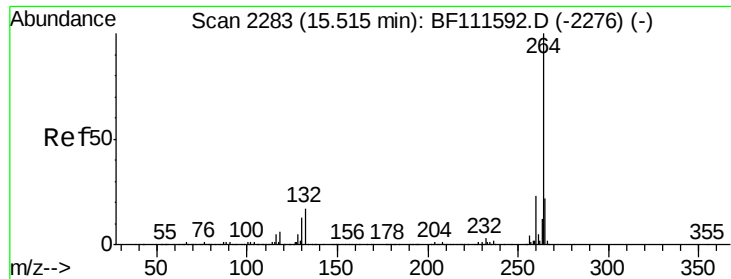
Abundance

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: 15.56 min Scan# 2290

Delta R.T. 0.04 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

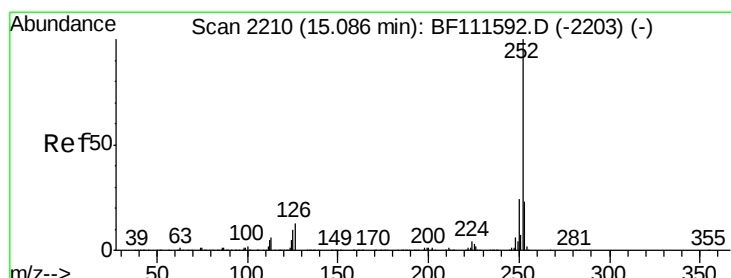
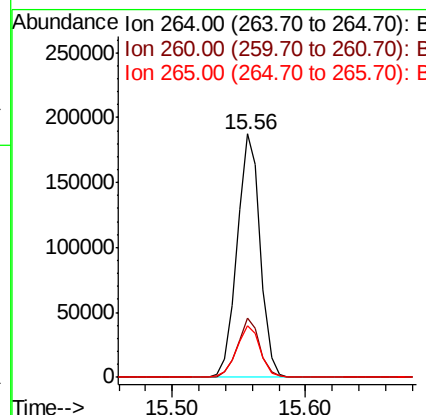
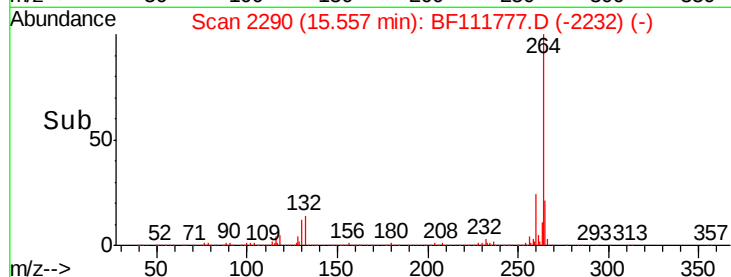
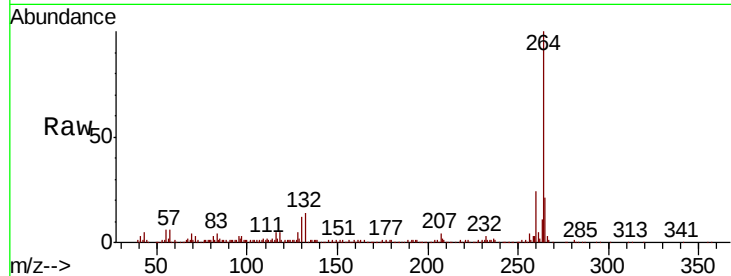
ClientSampleId :

BU-03-122118MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.3	27.5
265	21.1	17.7	26.5

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#88

Benzo(b)fluoranthene

Concen: 50.325 ng

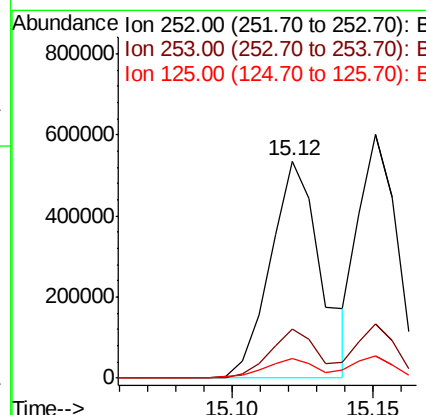
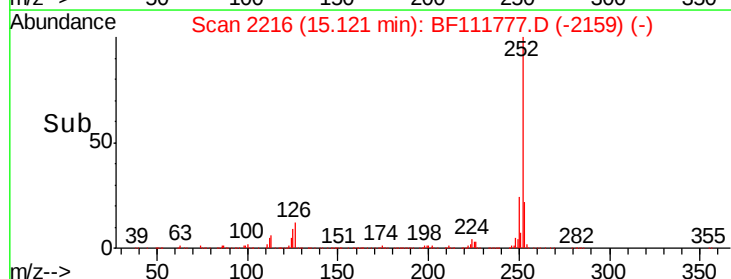
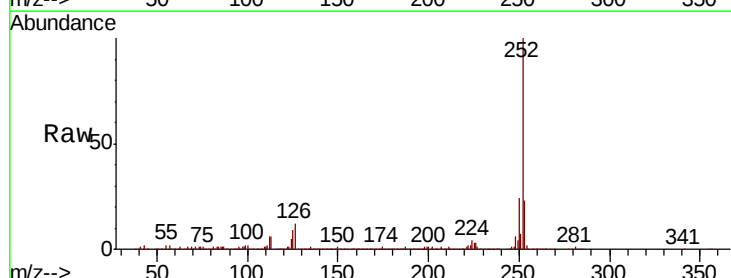
RT: 15.12 min Scan# 2216

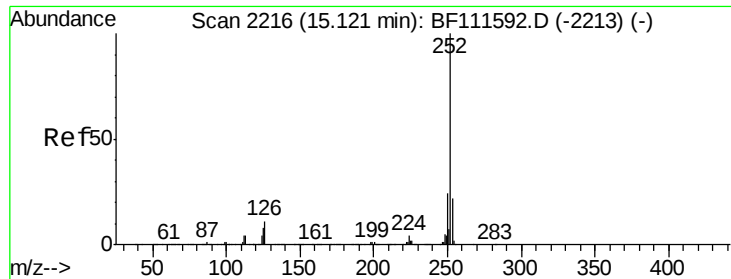
Delta R.T. 0.04 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	9.3	10.4	15.6#





#89

Benzo(k)fluoranthene

Concen: 44.531 ng

RT: 15.15 min Scan# 2221

Delta R.T. 0.03 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

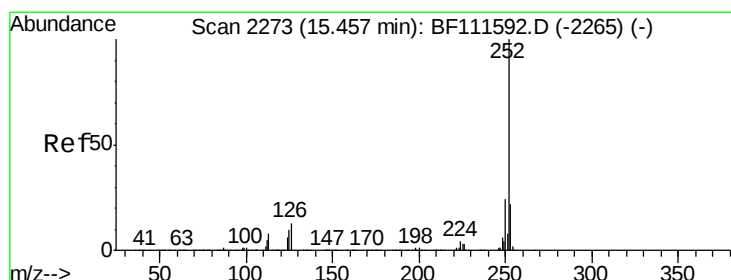
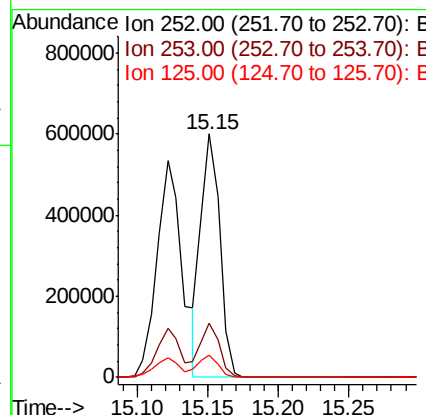
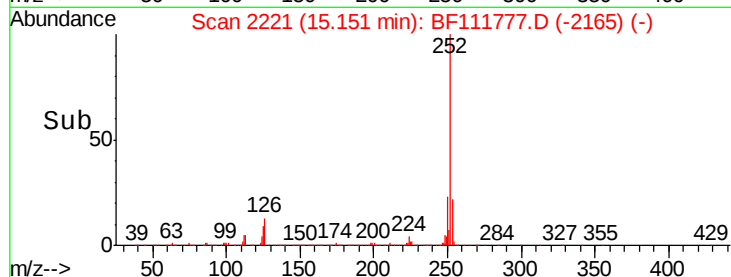
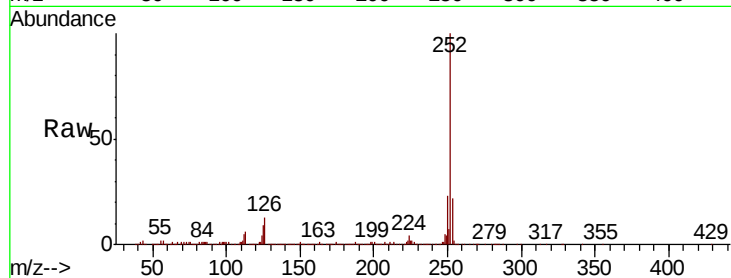
ClientSampleId :

BU-03-122118MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.4	18.1	27.1	
125	9.2	9.8	14.8	

Manual Integrations
APPROVED

Sohil
12/28/2018 10:37:31 AM



#90

Benzo(a)pyrene

Concen: 47.341 ng

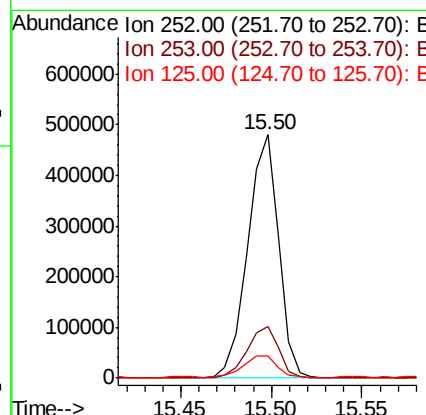
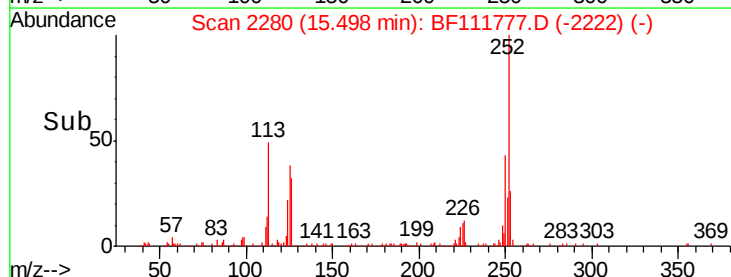
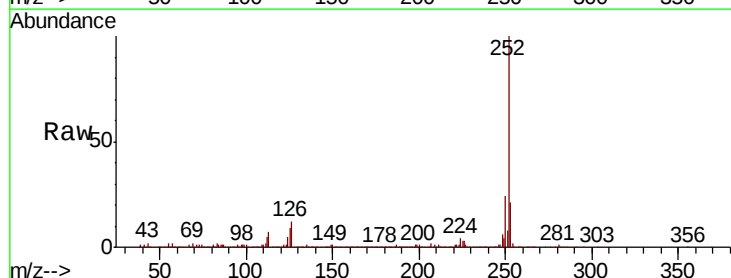
RT: 15.50 min Scan# 2280

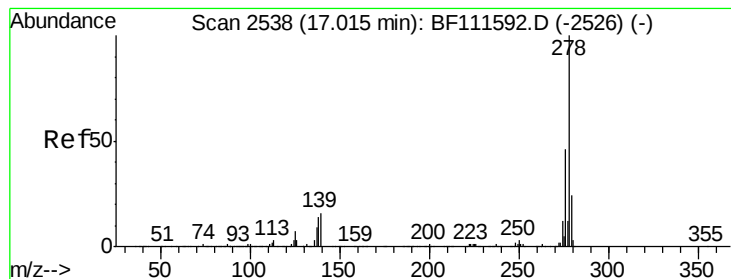
Delta R.T. 0.04 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.1	17.8	26.8	
125	9.3	12.3	18.5	





#91

Dibenzo(a,h)anthracene

Concen: 46.490 ng

RT: 17.08 min Scan# 2549

Delta R.T. 0.06 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

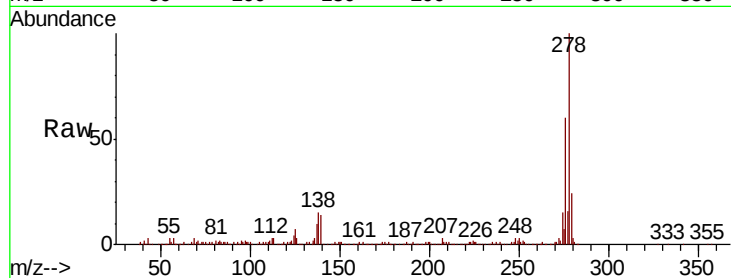
ClientSampleId :

BU-03-122118MSD

Tot Ion:	278	Resp:	489018
Ion Ratio		Lower	Upper
278	100		
139	13.9	18.2	27.4#
279	24.2	19.0	28.6

Manual Integrations
APPROVED

Sohil
12/28/2018 10:37:31 AM

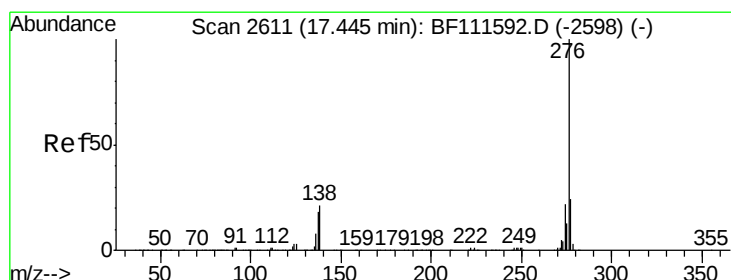
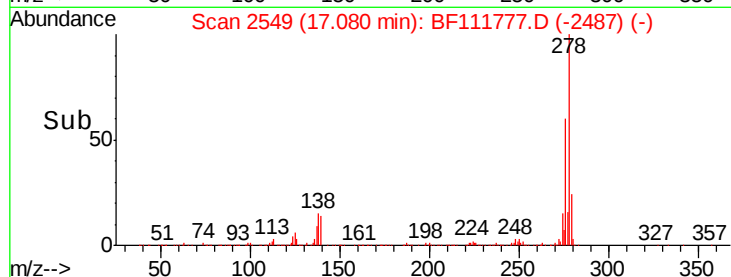
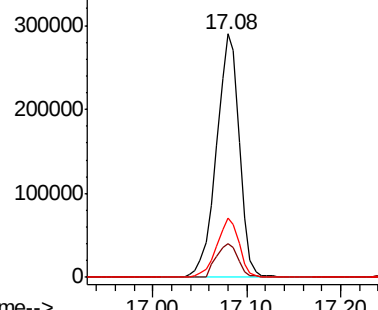


Abundance

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: 45.620 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.08 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion:	276	Resp:	468567
Ion Ratio		Lower	Upper
276	100		
277	24.4	19.2	28.8
138	19.3	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

