

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032419\
 Data File : BF113262.D
 Acq On : 24 Mar 2019 12:24
 Operator : JU/SJ
 Sample : PB118222BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB118222BS

Manual Integrations
 APPROVED

Sohil
 3/26/2019 6:34:47 PM

Quant Time: Mar 25 04:28:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	221284	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	798500	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	417644	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	745121	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	466769	20.00	ng	0.00
87) Perylene-d12	15.27	264	406970	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1445213	101.59	ng	0.00
7) Phenol-d6	6.37	99	1823856	102.06	ng	0.00
23) Nitrobenzene-d5	7.28	82	1089423	81.64	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	541657	122.17	ng	0.00
45) 2-Fluorobiphenyl	9.07	172	2024391	78.77	ng	-0.02
79) Terphenyl-d14	12.81	244	1893683	78.64	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	221240	31.026	ng	98
3) Pyridine	3.20	79	467569	24.509	ng	99
4) n-Nitrosodimethylamine	3.13	42	255325	30.595	ng	99
6) Aniline	6.38	93	531263	21.598	ng	# 18
8) 2-Chlorophenol	6.51	128	552927	34.917	ng	93
9) Benzaldehyde	6.26	77	198801	15.440	ng	97
10) Phenol	6.39	94	665018	31.891	ng	95
11) bis(2-Chloroethyl)ether	6.46	93	547239	34.191	ng	96
12) 1,3-Dichlorobenzene	6.66	146	601404	36.764	ng	97
13) 1,4-Dichlorobenzene	6.73	146	608544	37.095	ng	97
14) 1,2-Dichlorobenzene	6.89	146	557497	37.070	ng	100
15) Benzyl Alcohol	6.86	79	464261	34.071	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.00	45	870114	32.576	ng	83
17) 2-Methylphenol	6.99	107	474916	36.968	ng	92
18) Hexachloroethane	7.23	117	211509	33.658	ng	# 89
19) n-Nitroso-di-n-propylamine	7.14	70	385525	34.065	ng	98
20) 3+4-Methylphenols	7.14	107	559352	38.566	ng	# 70
22) Acetophenone	7.13	105	777016	41.616	ng	# 91
24) Nitrobenzene	7.30	77	581066	39.123	ng	100
25) Isophorone	7.54	82	1107561	38.526	ng	99
26) 2-Nitrophenol	7.62	139	319650	51.701	ng	99
27) 2,4-Dimethylphenol	7.66	122	518430	45.072	ng	99
28) bis(2-Chloroethoxy)methane	7.75	93	695853	38.715	ng	99
29) 2,4-Dichlorophenol	7.86	162	505785	45.344	ng	98
30) 1,2,4-Trichlorobenzene	7.94	180	523819	43.705	ng	99
31) Naphthalene	8.02	128	1566542	39.516	ng	100
32) Benzoic acid	7.79	122	135359	16.790	ng	91
33) 4-Chloroaniline	8.07	127	429086	25.554	ng	99
34) Hexachlorobutadiene	8.14	225	300478	44.454	ng	98
35) Caprolactam	8.46	113	151989m	38.688	ng	
36) 4-Chloro-3-methylphenol	8.57	107	491297	39.799	ng	98
37) 2-Methylnaphthalene	8.71	142	1059641	41.390	ng	99
38) 1-Methylnaphthalene	8.81	142	993127	40.046	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.88	216	490037	40.236	ng	98

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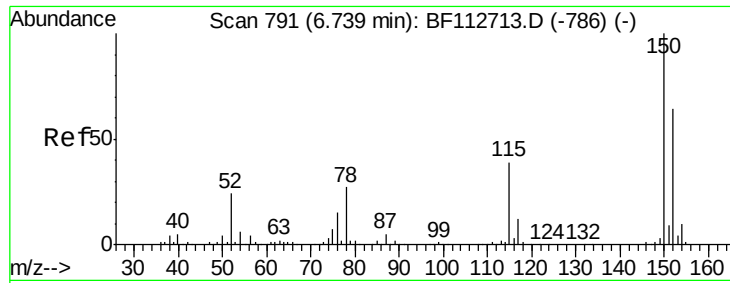
Manual Integrations
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.87	237	449120	67.343	nq	97
43) 2,4,6-Trichlorophenol	9.00	196	349487	41.695	nq	98
44) 2,4,5-Trichlorophenol	9.05	196	375671	41.466	nq	96
46) 1,1'-Biphenyl	9.17	154	1316372	38.643	nq	100
47) 2-Chloronaphthalene	9.20	162	1027411	38.625	nq	99
48) 2-Nitroaniline	9.30	65	328817	40.670	nq	95
49) Acenaphthylene	9.62	152	1591318	35.240	nq	99
50) Dimethylphthalate	9.48	163	1219551	39.602	nq	99
51) 2,6-Dinitrotoluene	9.54	165	276823	43.168	nq	87
52) Acenaphthene	9.79	154	942542	35.692	nq	99
53) 3-Nitroaniline	9.71	138	234124	29.962	nq	98
54) 2,4-Dinitrophenol	9.82	184	166128	64.677	nq	98
55) Dibenzofuran	9.96	168	1412112	36.793	nq	98
56) 4-Nitrophenol	9.89	139	399829	62.959	nq	97
57) 2,4-Dinitrotoluene	9.95	165	353156	44.304	nq	92
58) Fluorene	10.30	166	1043769	38.317	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.08	232	315072	41.742	nq	93
60) Diethylphthalate	10.18	149	1177925	36.217	nq	97
61) 4-Chlorophenyl-phenylether	10.29	204	530307	41.842	nq	91
62) 4-Nitroaniline	10.33	138	294388	40.771	nq	94
63) Azobenzene	10.45	77	1045894	31.395	nq	95
65) 4,6-Dinitro-2-methylphenol	10.36	198	126324	41.908	nq	85
66) n-Nitrosodiphenylamine	10.41	169	940813	39.370	nq	100
67) 4-Bromophenyl-phenylether	10.77	248	335247	42.716	nq	97
68) Hexachlorobenzene	10.85	284	381212	43.089	nq	# 89
69) Atrazine	10.94	200	282305	38.573	nq	99
70) Pentachlorophenol	11.05	266	318778	61.219	nq	98
71) Phenanthrene	11.26	178	1442152	38.901	nq	99
72) Anthracene	11.31	178	1494679	38.516	nq	99
73) Carbazole	11.46	167	1425318	37.650	nq	99
74) Di-n-butylphthalate	11.79	149	1708860	37.647	nq	99
75) Fluoranthene	12.44	202	1514631	38.134	nq	98
77) Benzidine	12.56	184	474181	19.581	nq	100
78) Pyrene	12.67	202	1499616	38.110	nq	100
80) Butylbenzylphthalate	13.29	149	699365	40.265	nq	# 89
81) Benzo(a)anthracene	13.85	228	1046909	32.362	nq	99
82) 3,3'-Dichlorobenzidine	13.81	252	326614	26.695	nq	99
83) Chrysene	13.89	228	1072778	33.854	nq	99
84) Bis(2-ethylhexyl)phthalate	13.84	149	782006	38.384	nq	100
85) Di-n-octyl phthalate	14.45	149	1303624	37.264	nq	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	1293502	47.881	nq	94
88) Benzo(b)fluoranthene	14.87	252	1149180	43.655	nq	98
89) Benzo(k)fluoranthene	14.90	252	908402	38.097	nq	98
90) Benzo(a)pyrene	15.21	252	1028133	44.156	nq	98
91) Dibenzo(a,h)anthracene	16.65	278	1077954	54.254	nq	97
92) Benzo(g,h,i)perylene	17.05	276	1129345	56.607	nq	95

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



#1

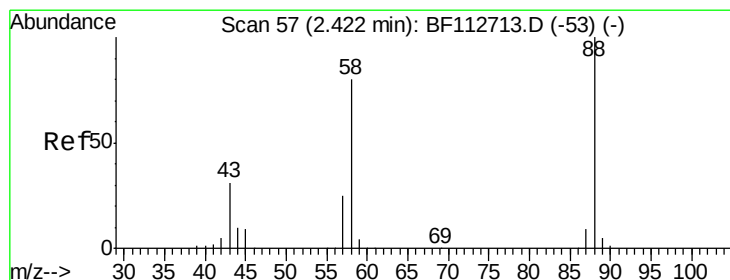
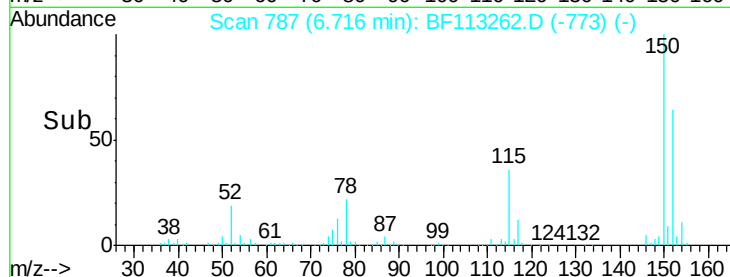
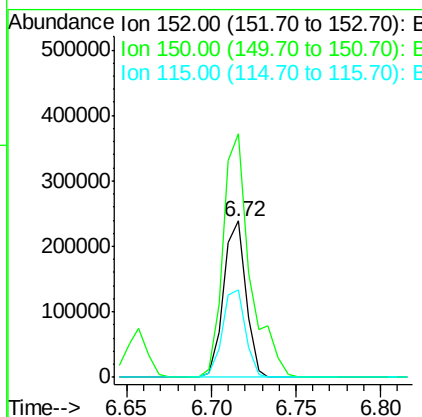
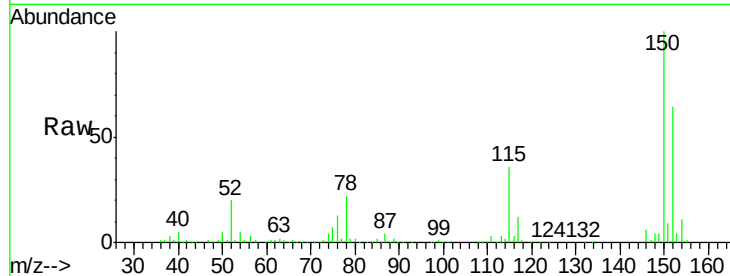
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.2	186.2
115	56.2	48.2	72.4

Manual Integrations
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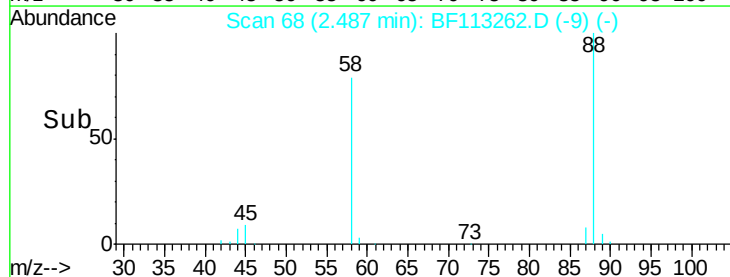
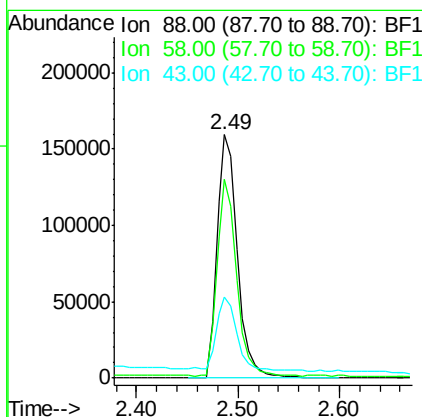
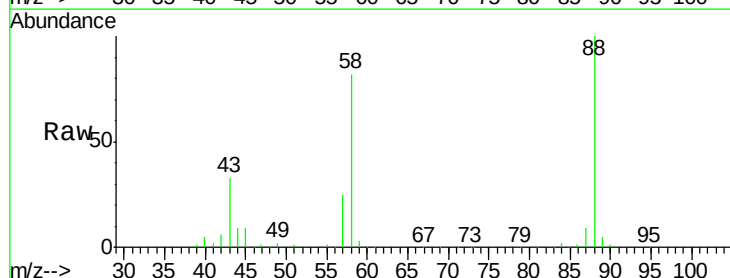
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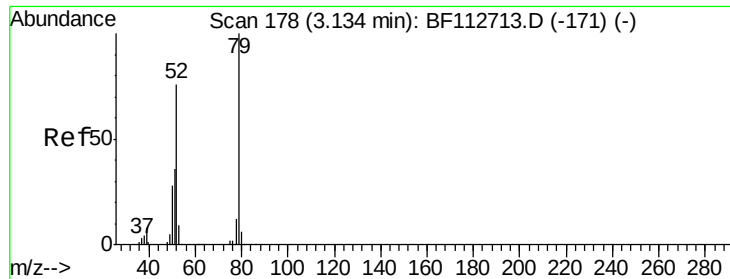


#2

1,4-Dioxane
Concen: 31.026 ng
RT: 2.49 min Scan# 68
Delta R.T. 0.05 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	76.7	63.1	94.7
43	31.0	24.3	36.5





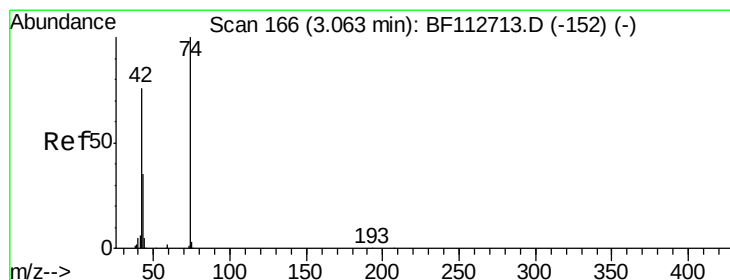
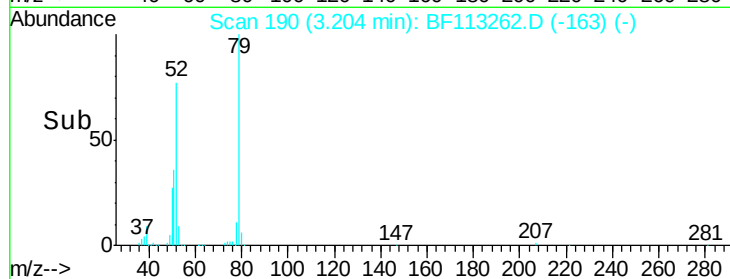
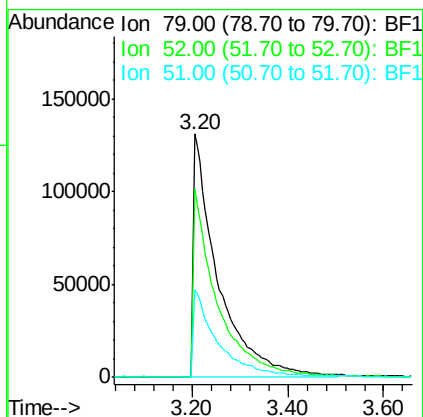
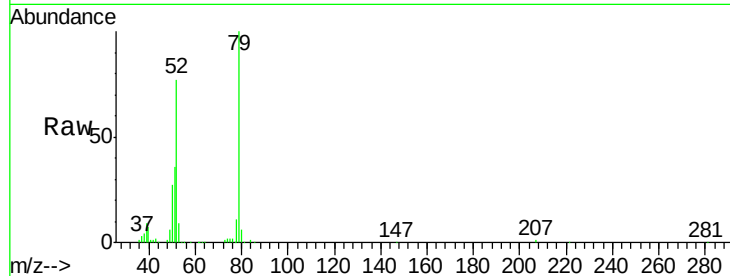
#3
 Pvrindine
 Concen: 24.509 ng
 RT: 3.20 min Scan# 190
 Delta R.T. 0.06 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Instrument :
 BNA_F
 ClientSampleId :
 PB118222BS

Tot Ion	Ratio	Lower	Upper
79	100		
52	77.2	60.5	90.7
51	36.0	28.8	43.2

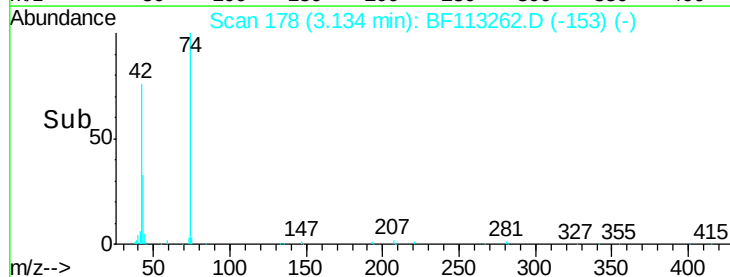
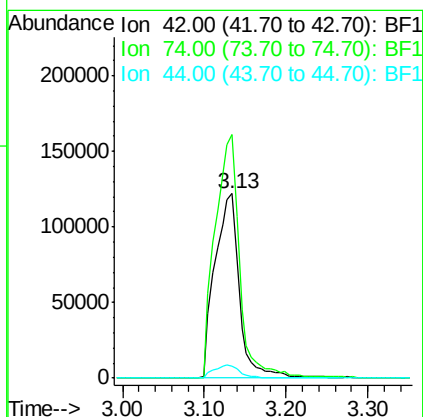
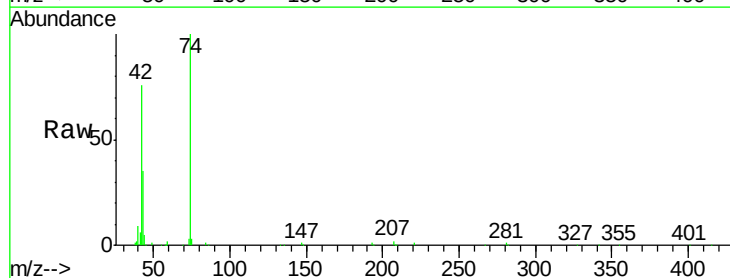
Manual Integrations
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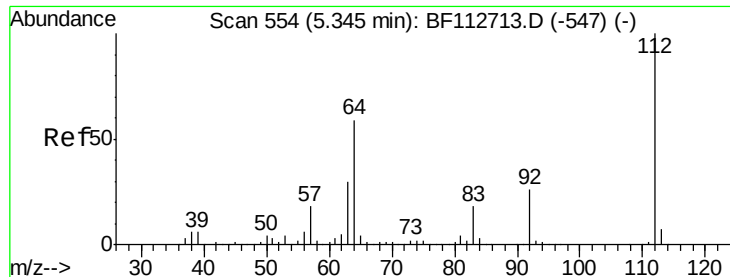
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#4
 n-Nitrosodimethylamine
 Concen: 30.595 ng
 RT: 3.13 min Scan# 178
 Delta R.T. 0.05 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
42	100		
74	131.8	105.8	158.8
44	6.2	6.2	9.2





#5

2-Fluorophenol

Concen: 101.593 ng

RT: 5.35 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

ClientSampleId :

PB118222BS

Tot Ion: 112 Resp: 1445213

Ion Ratio Lower Upper

112 100

64 58.4 47.6 71.4

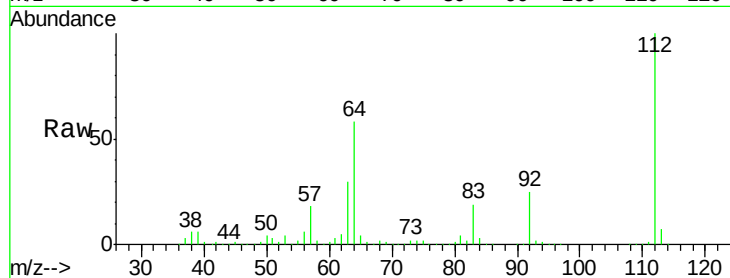
63 30.3 24.4 36.6

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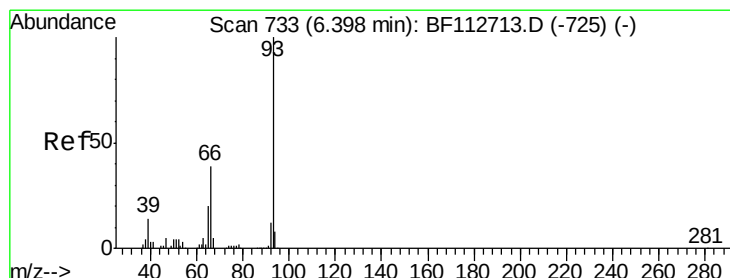
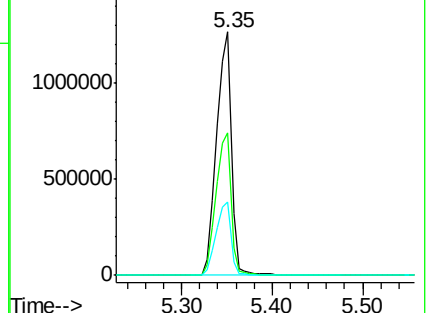
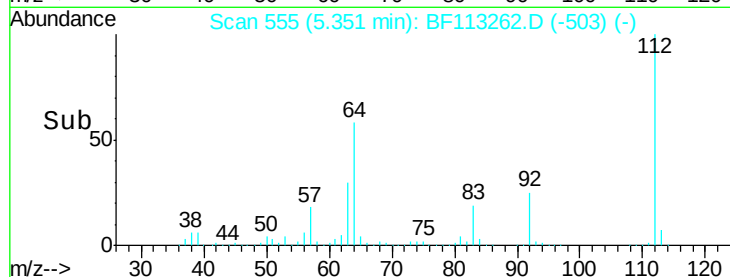
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 21.598 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

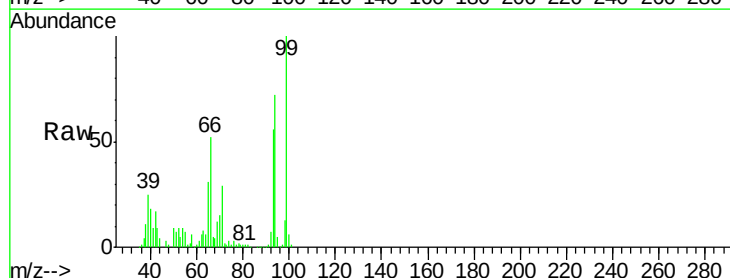
Tgt Ion: 93 Resp: 531263

Ion Ratio Lower Upper

93 100

66 92.5 32.2 48.2#

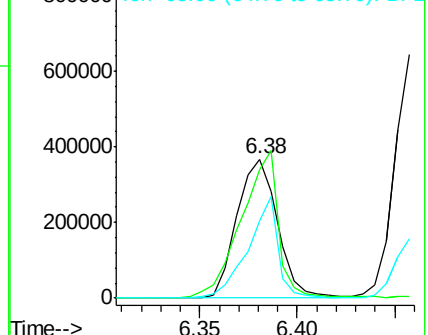
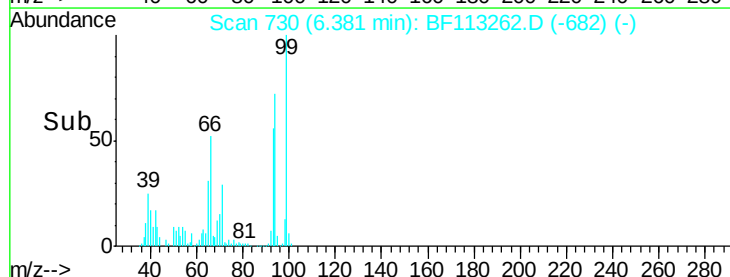
65 55.6 16.2 24.4#

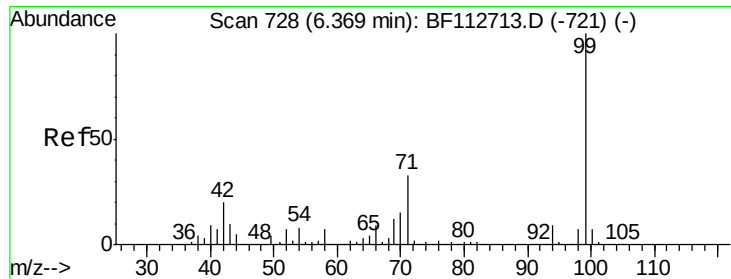


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 102.065 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

ClientSampled :

PB118222BS

Tot Ion: 99 Resp: 1823856

Ion Ratio Lower Upper

99 100

42 19.4 16.3 24.5

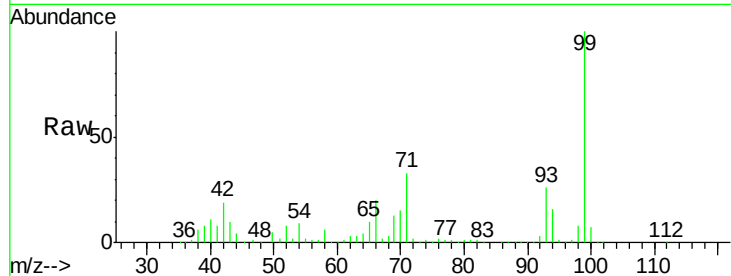
71 32.8 26.2 39.4

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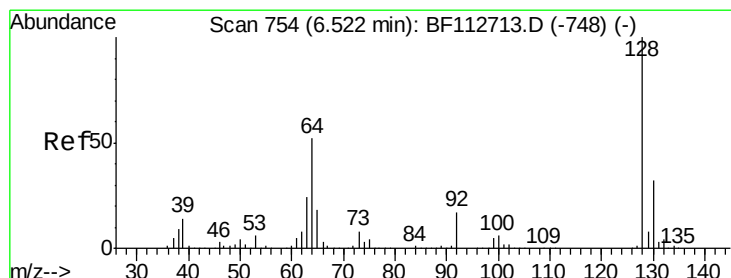
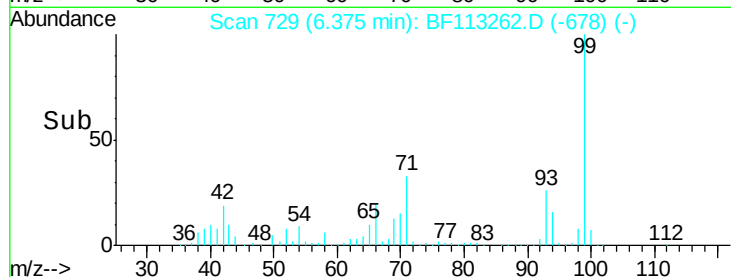
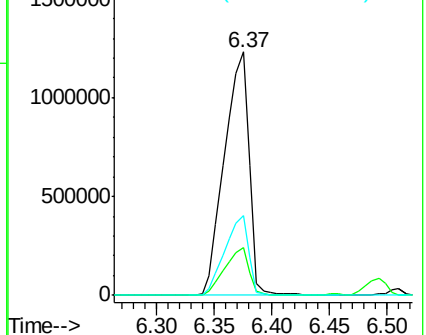
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 34.917 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

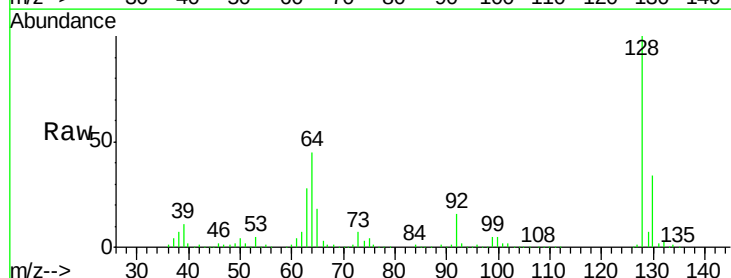
Tgt Ion: 128 Resp: 552927

Ion Ratio Lower Upper

128 100

130 34.1 12.4 52.4

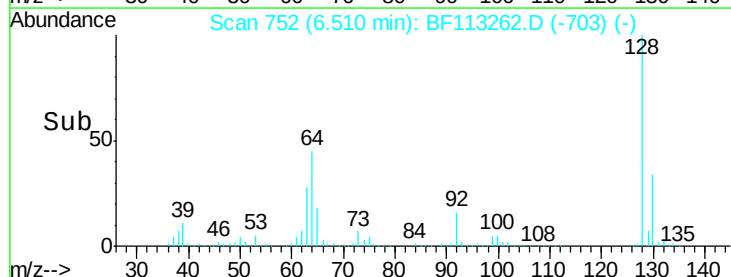
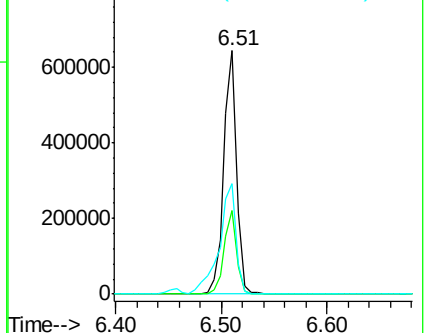
64 45.3 32.2 72.2

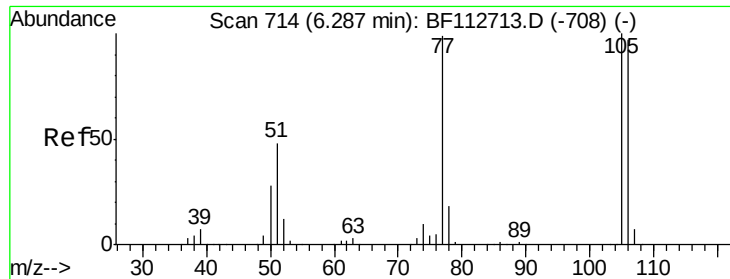


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 15.440 ng

RT: 6.26 min Scan# 709

Delta R.T. -0.02 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

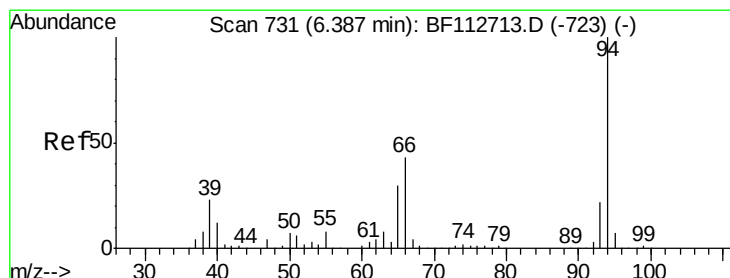
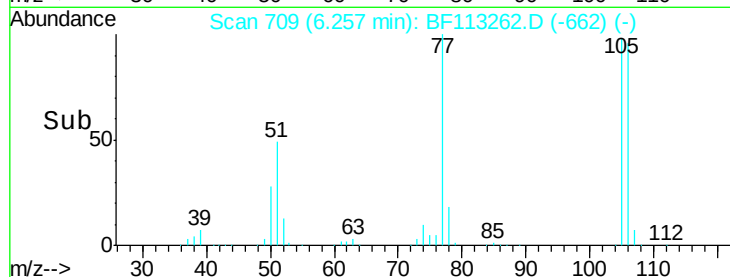
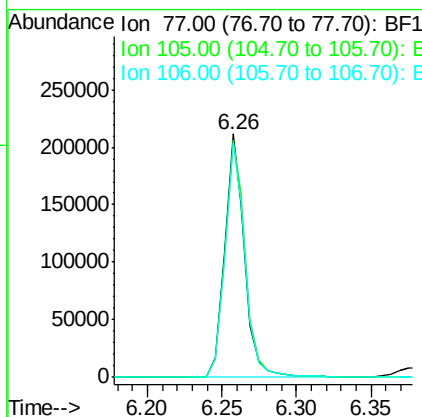
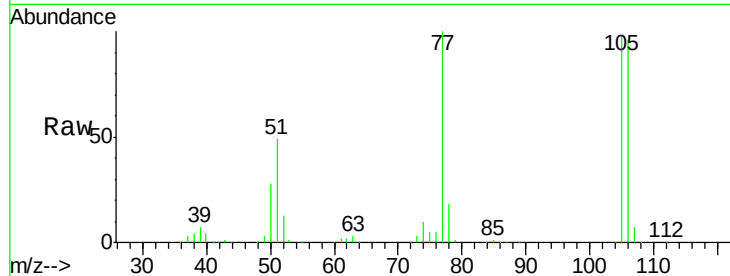
ClientSampleId :

PB118222BS

Tot Ion:	77	Resp:	198801
Ion Ratio	Lower	Upper	
77	100		
105	97.5	81.4	121.4
106	96.4	78.3	118.3

Manual Integrations
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#10

Phenol

Concen: 31.891 ng

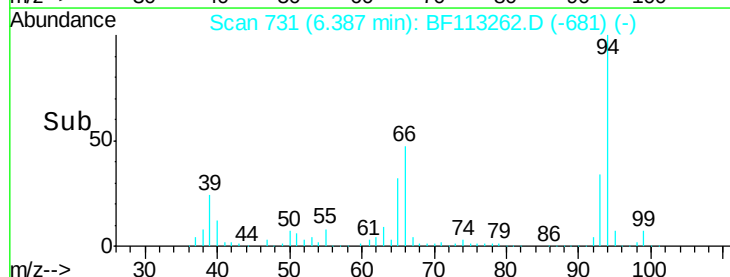
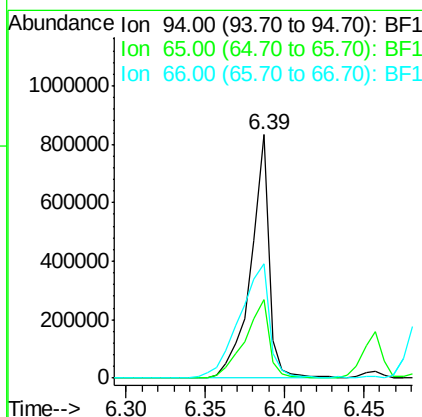
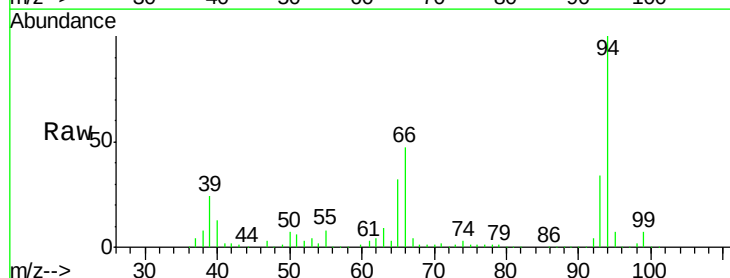
RT: 6.39 min Scan# 731

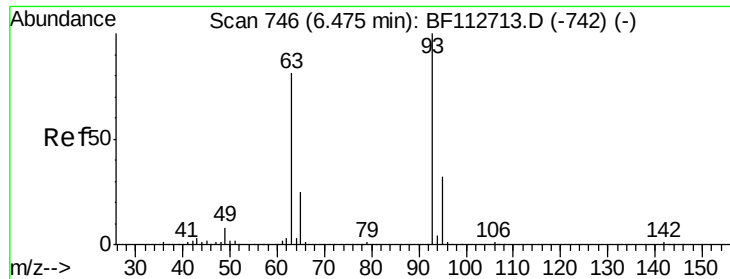
Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Tgt Ion:	94	Resp:	665018
Ion Ratio	Lower	Upper	
94	100		
65	32.3	10.5	50.5
66	46.9	22.6	62.6





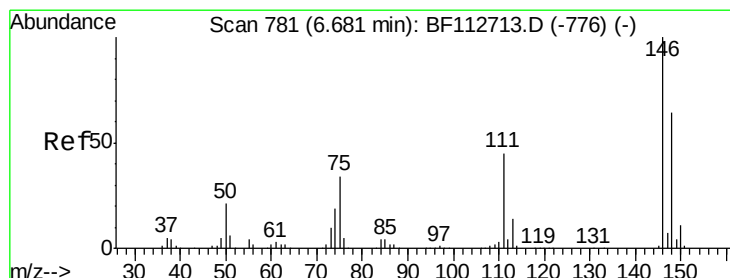
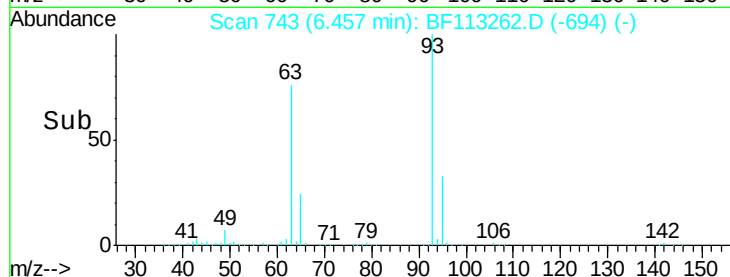
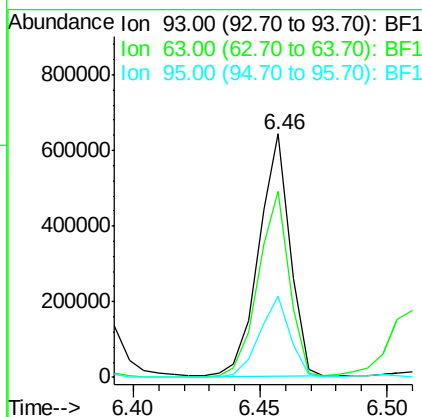
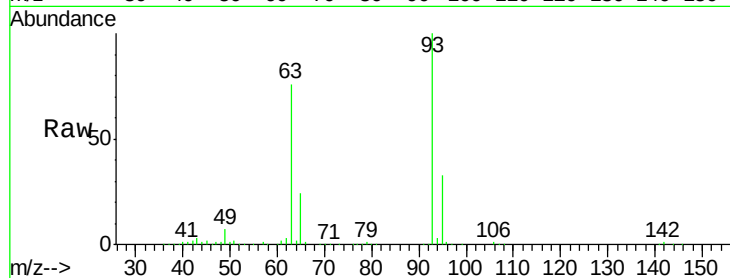
#11
bis(2-Chloroethyl)ether
Concen: 34.191 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	76.4	60.5	100.5
95	33.3	12.1	52.1

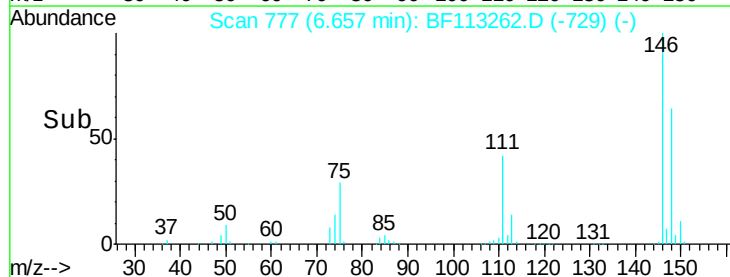
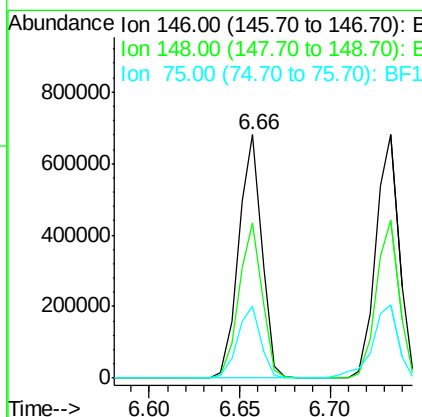
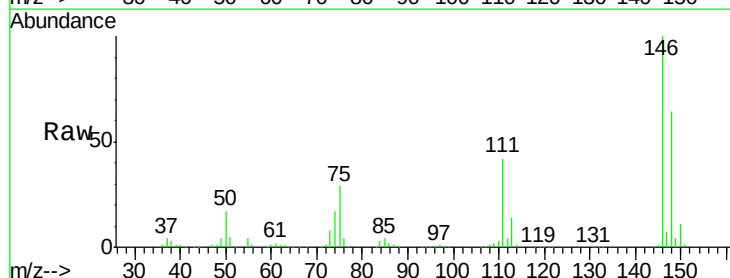
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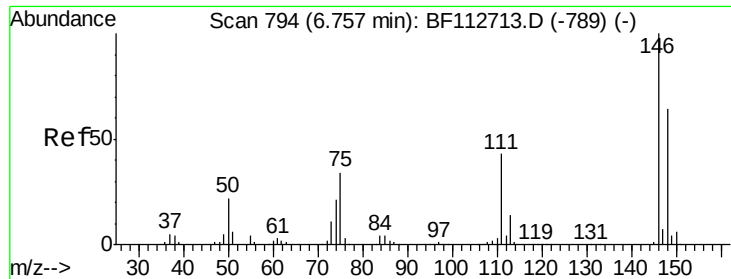
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#12
1,3-Dichlorobenzene
Concen: 36.764 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.9	76.3
75	29.4	26.9	40.3





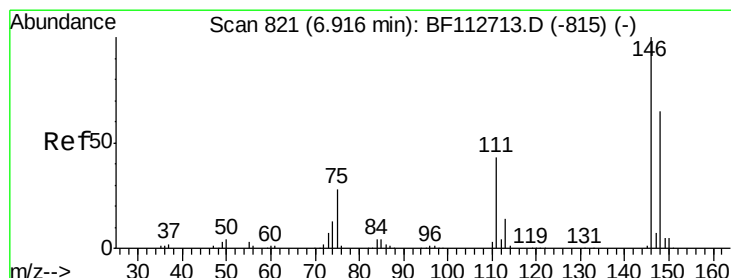
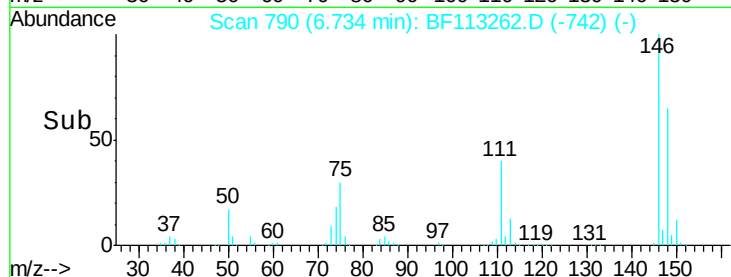
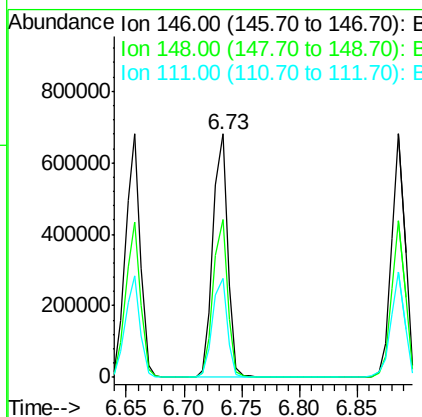
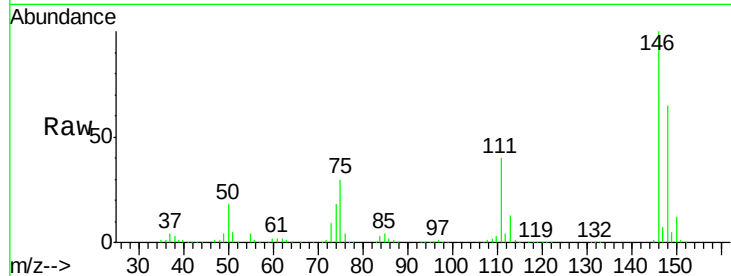
#13
 1,4-Dichlorobenzene
 Concen: 37.095 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Instrument :
 BNA_F
 ClientSampled :
 PB118222BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.0	76.4
111	40.4	34.5	51.7

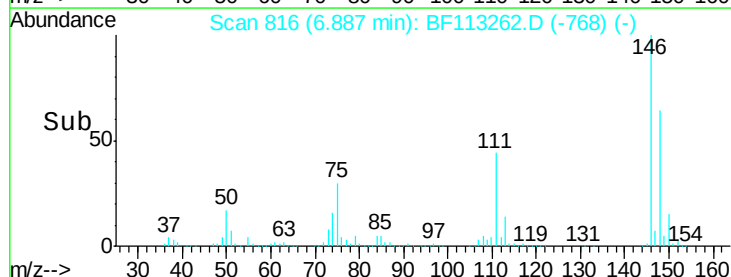
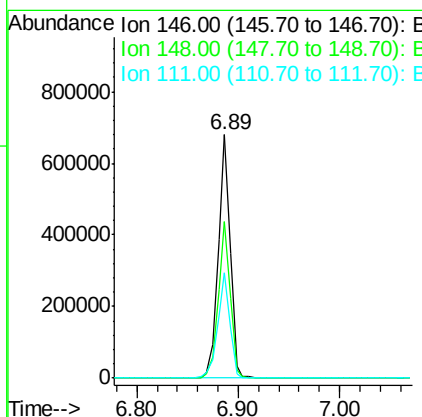
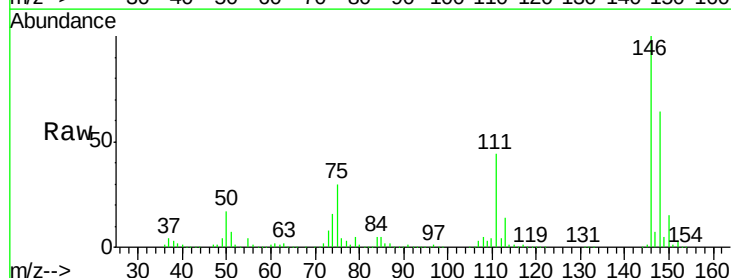
Manual Integrations
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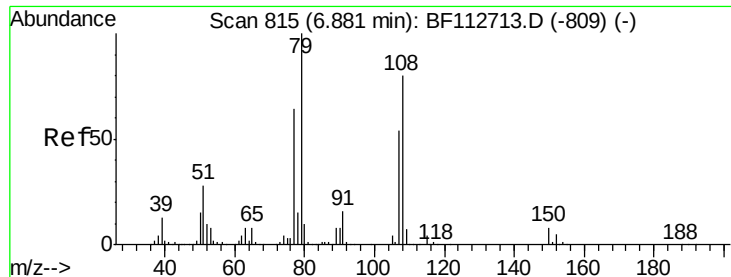
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#14
 1,2-Dichlorobenzene
 Concen: 37.070 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.0	78.0
111	43.5	34.8	52.2





#15

Benzyl Alcohol

Concen: 34.071 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.02 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

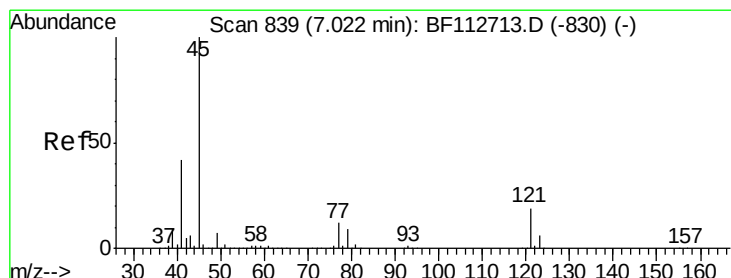
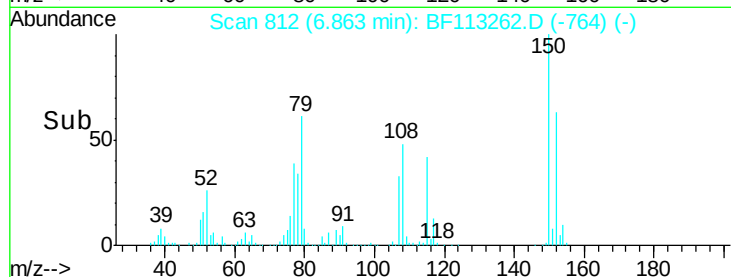
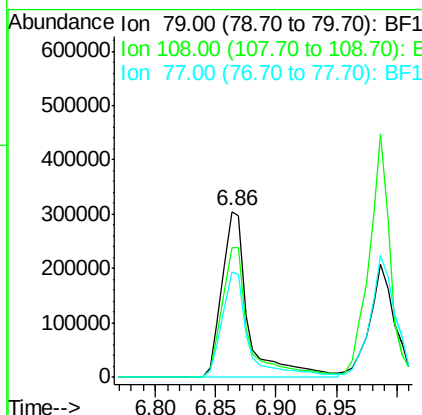
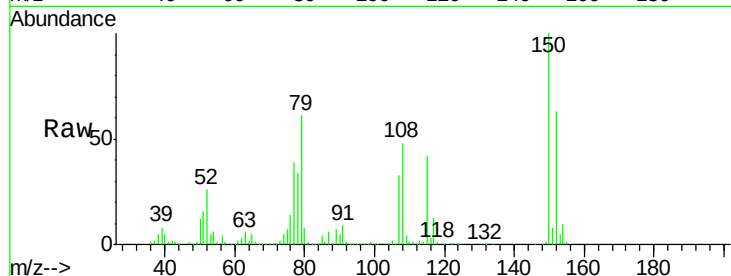
ClientSampled :

PB118222BS

Tot Ion:	79	Resp:	464261
Ion Ratio	Lower	Upper	
79	100		
108	78.1	64.2	96.4
77	63.5	51.1	76.7

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.576 ng

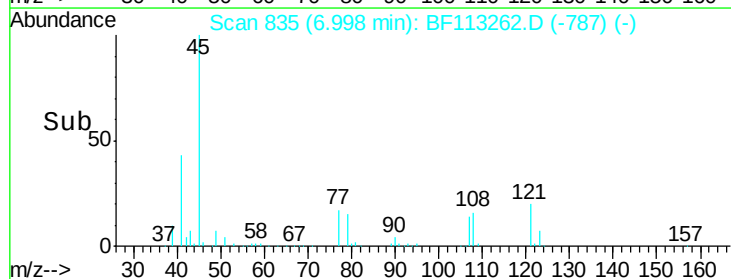
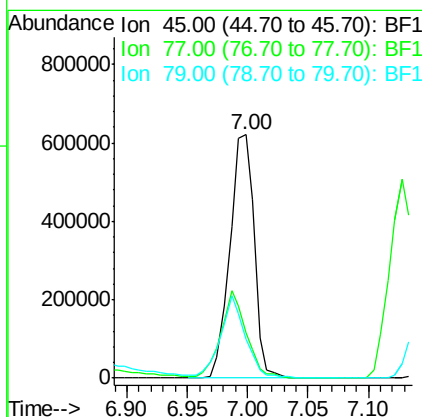
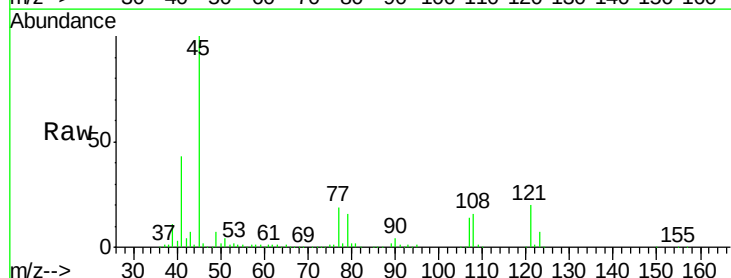
RT: 7.00 min Scan# 835

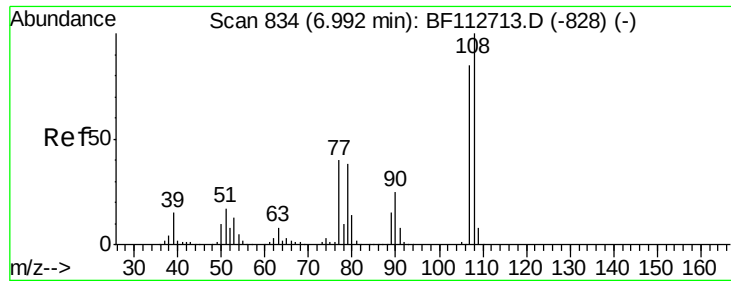
Delta R.T. -0.02 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Tgt Ion:	45	Resp:	870114
Ion Ratio	Lower	Upper	
45	100		
77	18.6	0.0	32.1
79	15.9	0.0	29.4





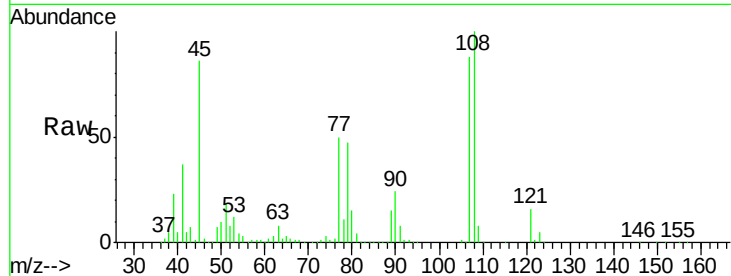
#17
2-Methylphenol
Concen: 36.968 ng
RT: 6.99 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampled :
PB118222BS

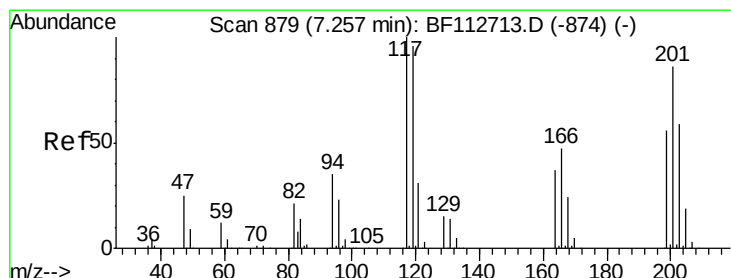
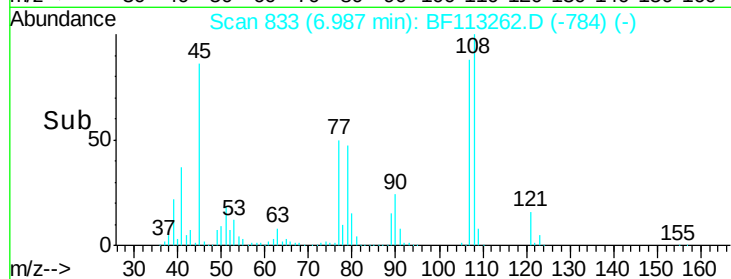
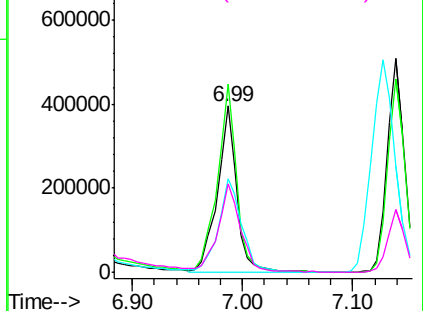
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.5	94.6	142.0	
77	56.7	37.8	56.8	
79	53.0	36.2	54.2	

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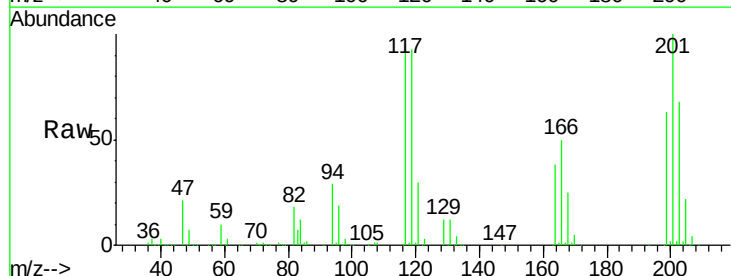


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

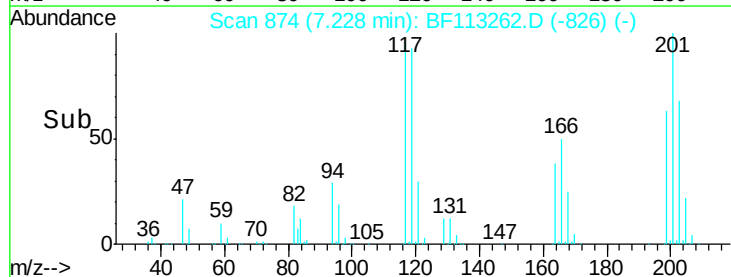
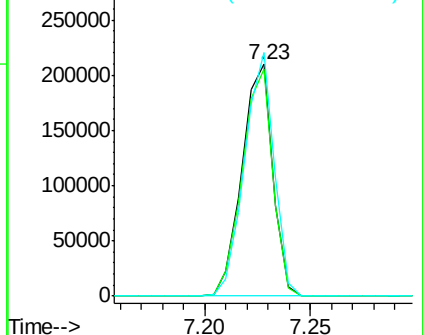


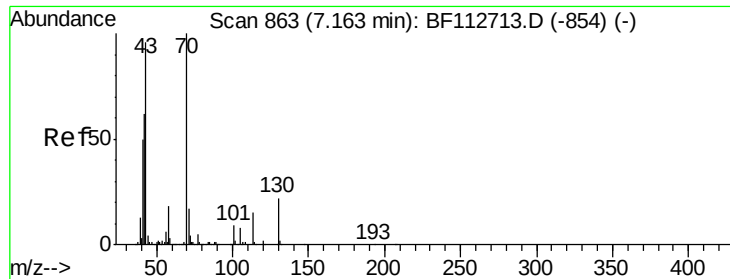
#18
Hexachloroethane
Concen: 33.658 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.8	76.6	115.0	
201	105.2	68.9	103.3#	



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





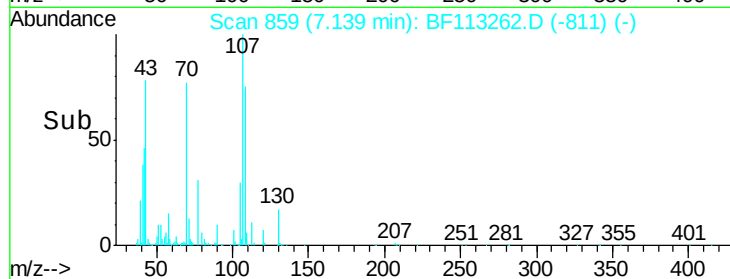
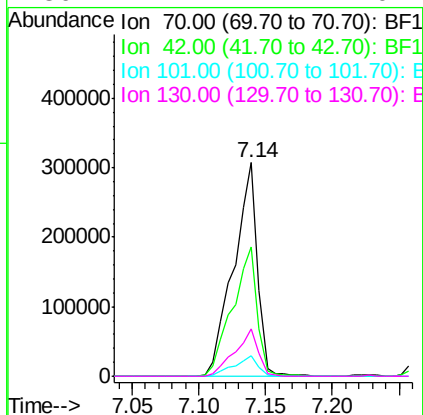
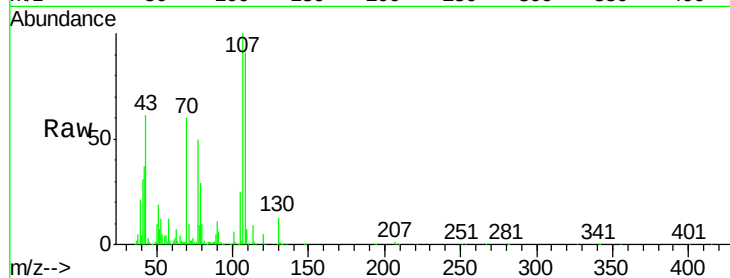
#19
n-Nitroso-di-n-propylamine
Concen: 34.065 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	60.8		49.9	74.9	
101	9.5		7.4	11.2	
130	22.1		17.4	26.2	

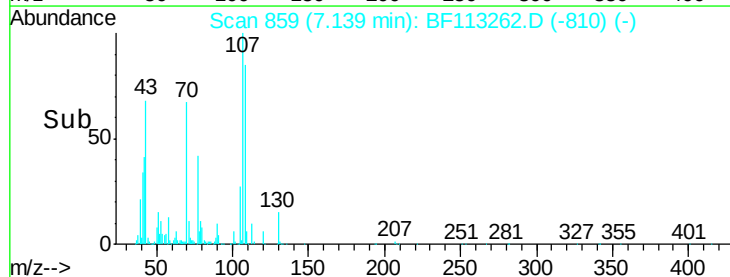
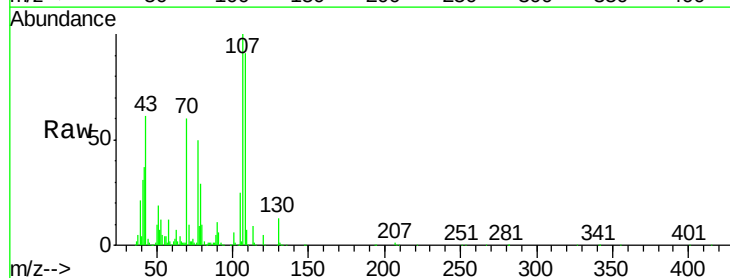
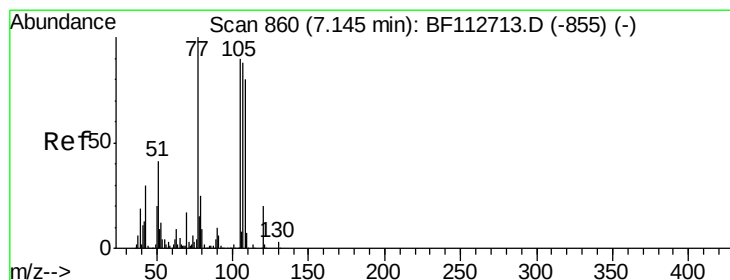
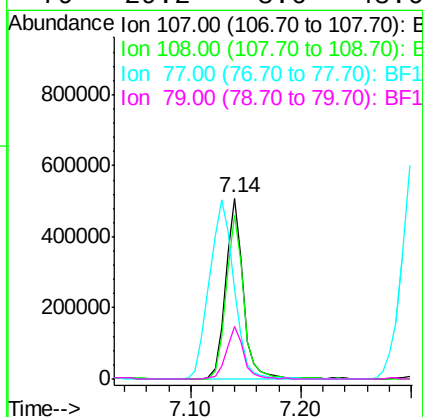
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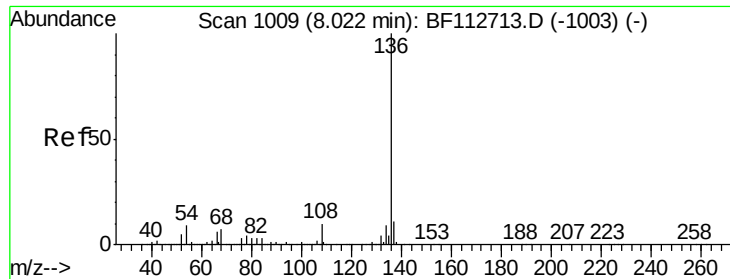
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#20
3+4-Methylphenols
Concen: 38.566 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	90.5		71.4	111.4	
77	49.5		94.1	134.1#	
79	29.2		8.6	48.6	





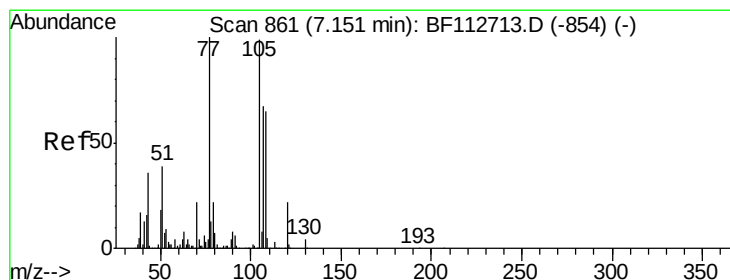
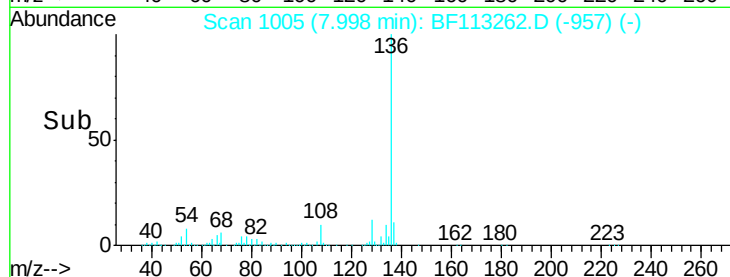
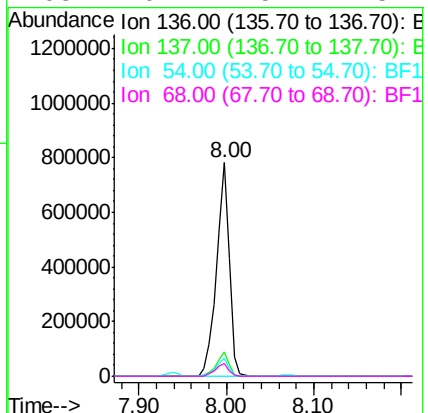
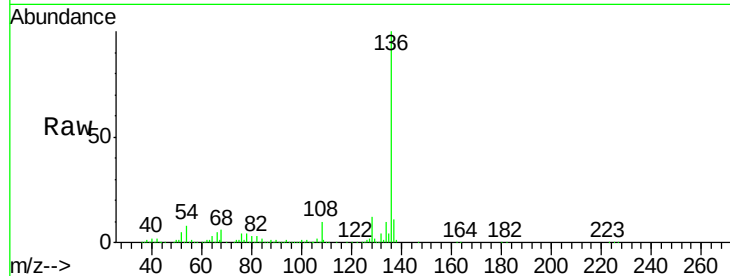
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		798500		
137	11.3		8.9	13.3	
54	8.4		7.3	10.9	
68	6.1		5.4	8.2	

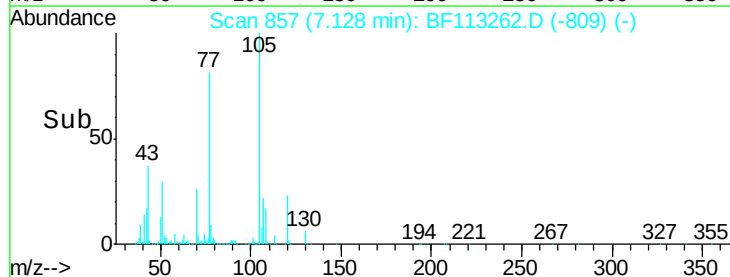
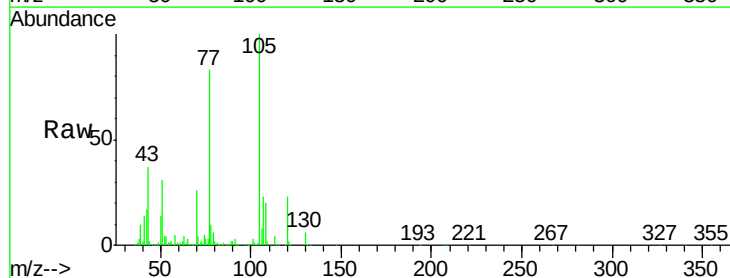
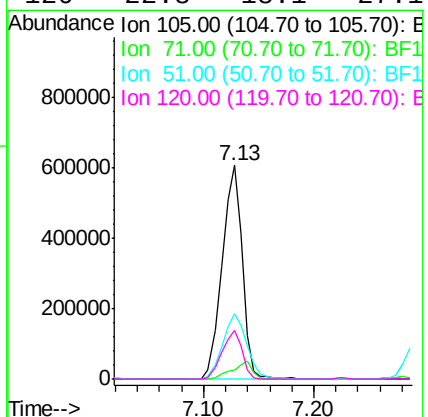
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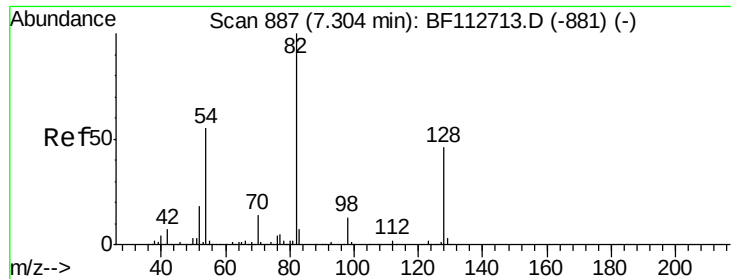
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#22
Acetophenone
Concen: 41.616 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		777016		
71	4.4		3.0	4.4	
51	30.6		31.5	47.3	
120	22.8		18.1	27.1	





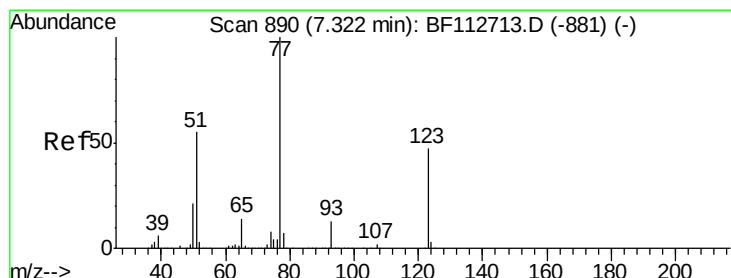
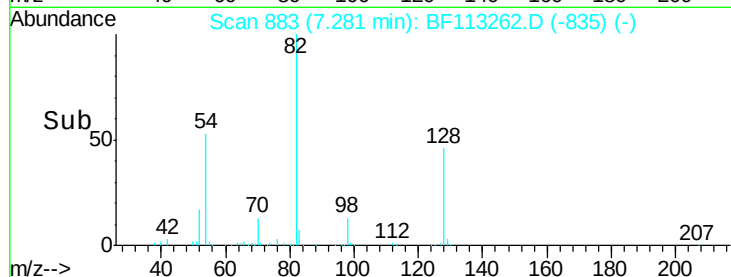
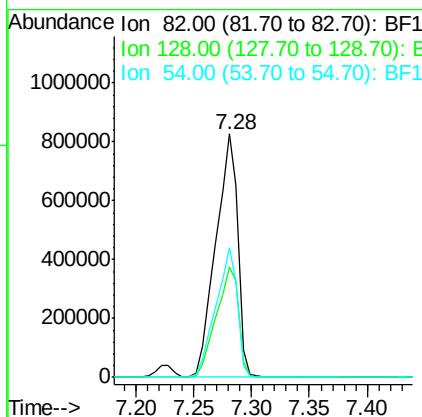
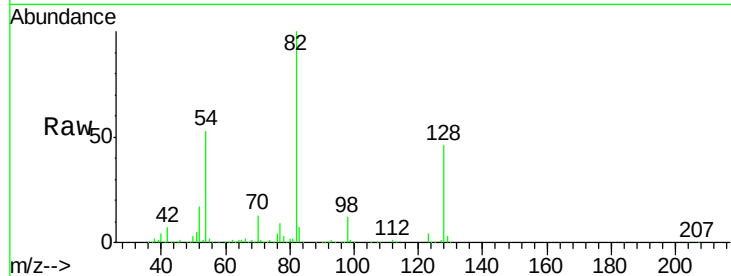
#23
 Nitrobenzene-d5
 Concen: 81.639 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Instrument :
 BNA_F
 ClientSampled :
 PB118222BS

Tot Ion: 82 Resp: 1089423
 Ion Ratio Lower Upper
 82 100
 128 45.6 36.3 54.5
 54 53.3 43.7 65.5

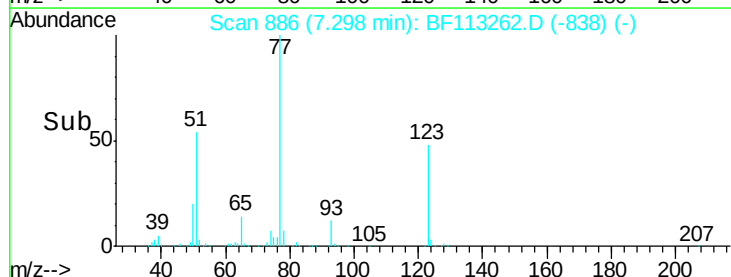
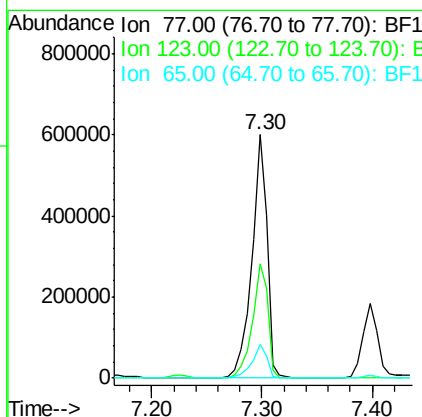
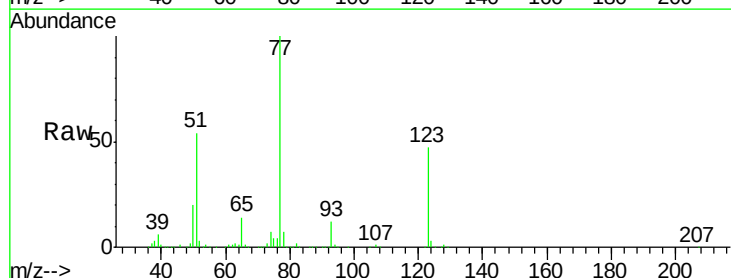
Manual Integrations
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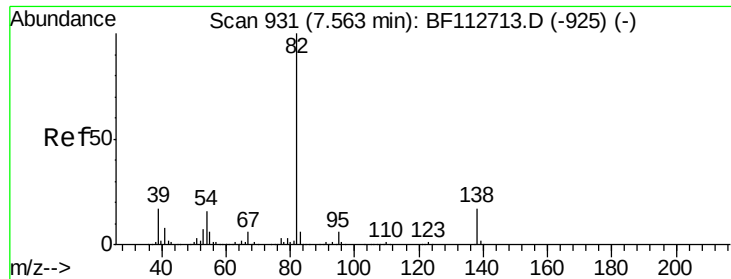
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#24
 Nitrobenzene
 Concen: 39.123 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Tgt Ion: 77 Resp: 581066
 Ion Ratio Lower Upper
 77 100
 123 47.1 37.8 56.6
 65 13.7 11.1 16.7





#25

Isophorone

Concen: 38.526 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

ClientSampled :

PB118222BS

Tot Ion: 82 Resp: 1107561

Ion Ratio Lower Upper

82 100

95 6.7 5.2 7.8

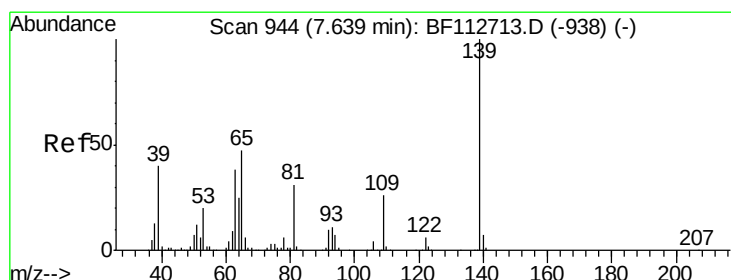
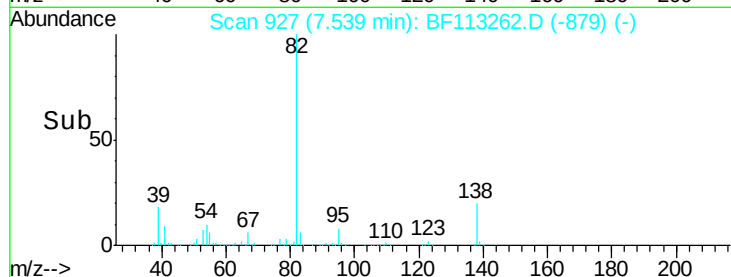
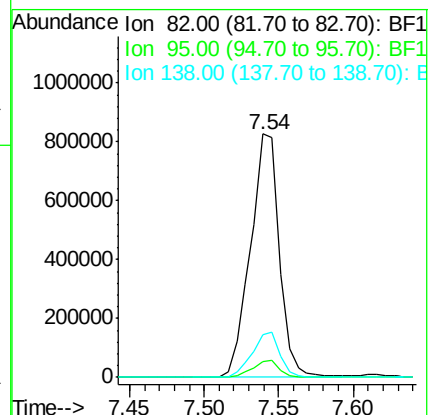
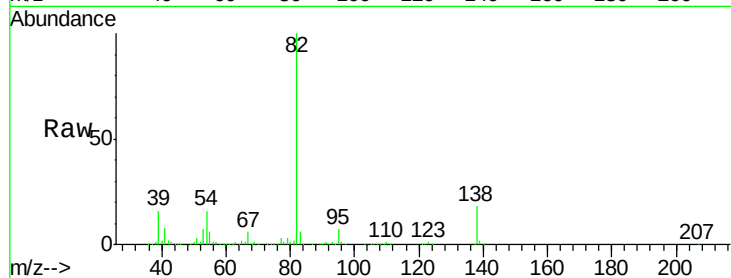
138 17.7 13.8 20.8

Manual Integrations

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#26

2-Nitrophenol

Concen: 51.701 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

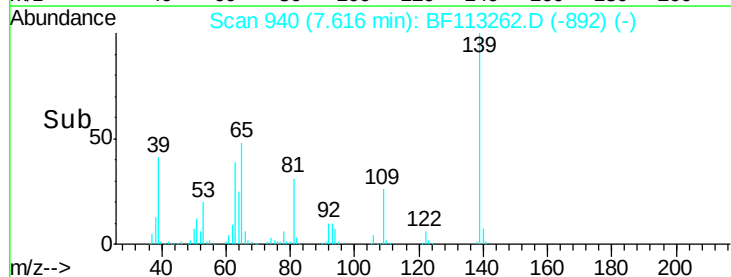
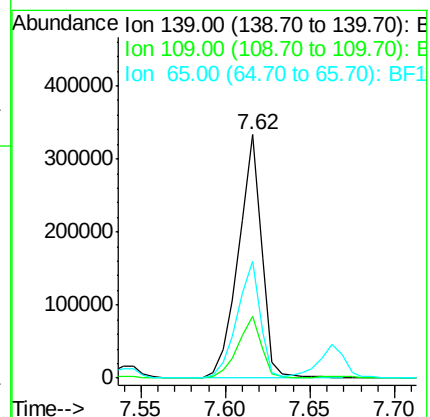
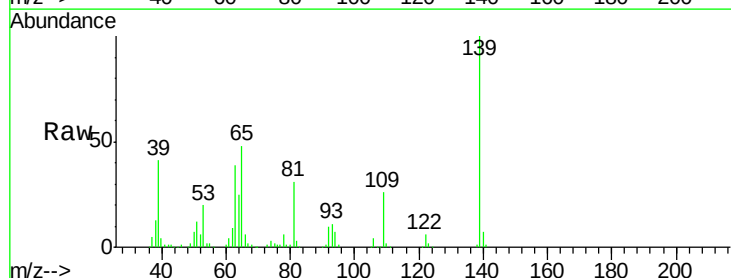
Tgt Ion: 139 Resp: 319650

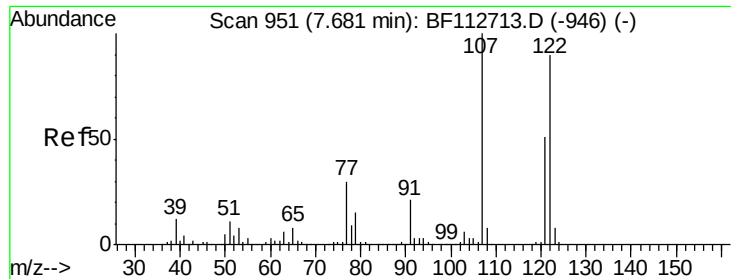
Ion Ratio Lower Upper

139 100

109 25.6 20.6 31.0

65 47.9 37.9 56.9





#27

2,4-Dimethylphenol

Concen: 45.072 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

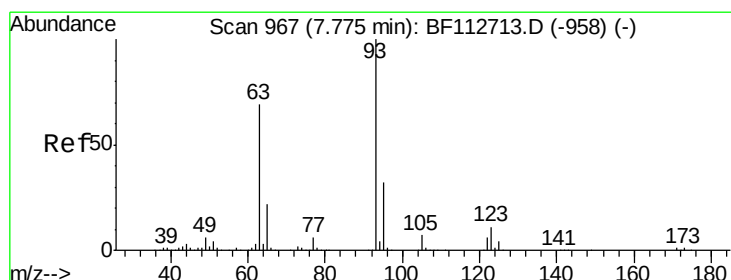
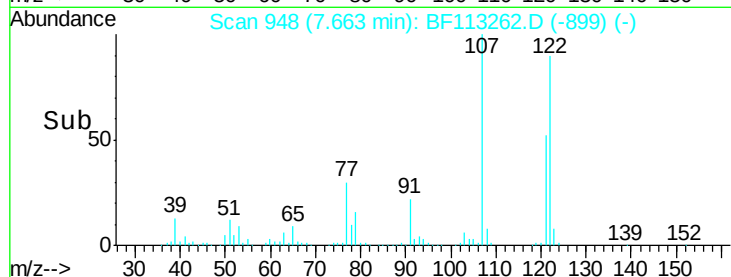
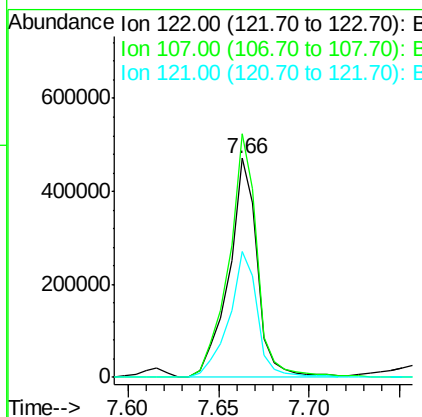
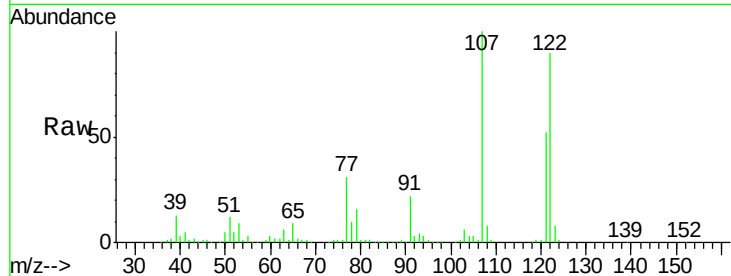
ClientSampleId :

PB118222BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.2	89.4	134.0
121	57.4	45.5	68.3

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3/26/2019 6:34:47 PM



#28

bis(2-Chloroethoxy)methane

Concen: 38.715 ng

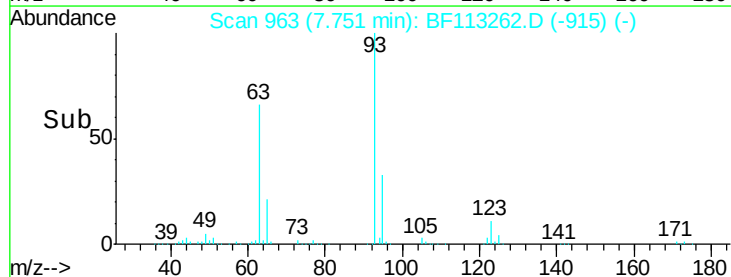
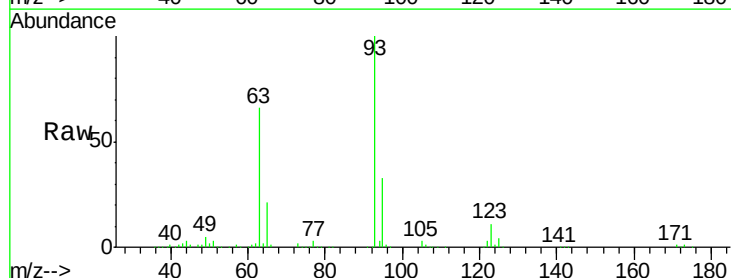
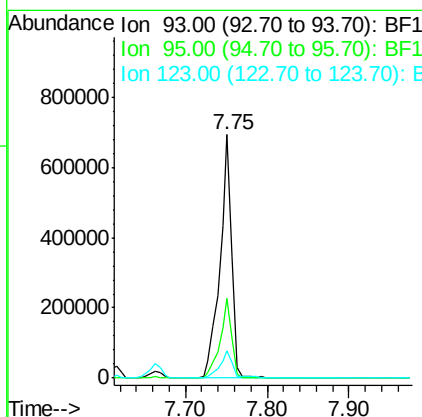
RT: 7.75 min Scan# 963

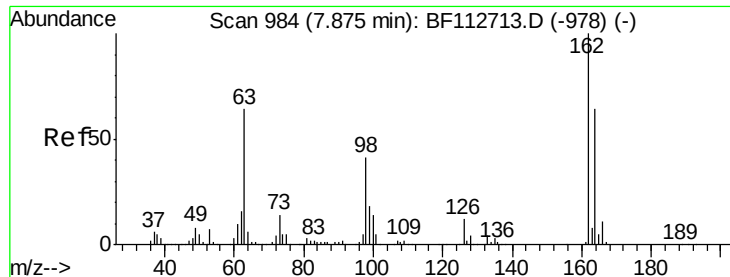
Delta R.T. -0.02 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	11.5	9.3	13.9





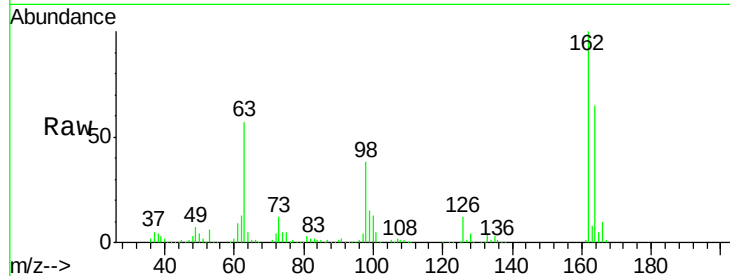
#29
2,4-Dichlorophenol
Concen: 45.344 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

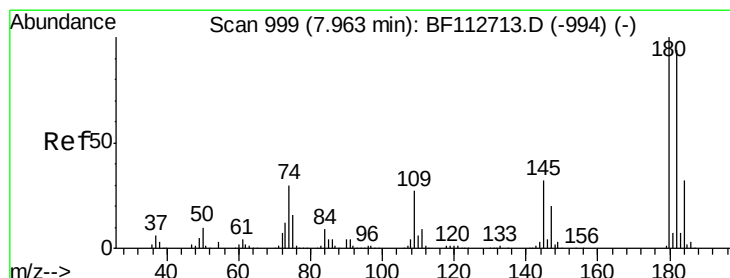
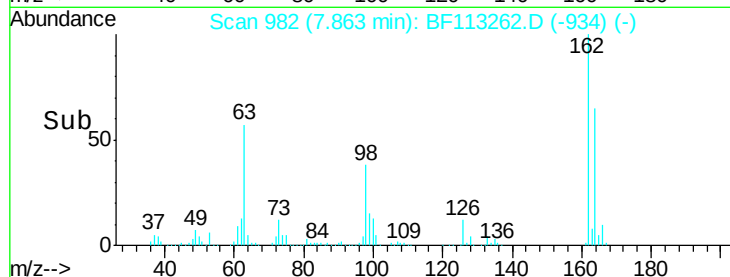
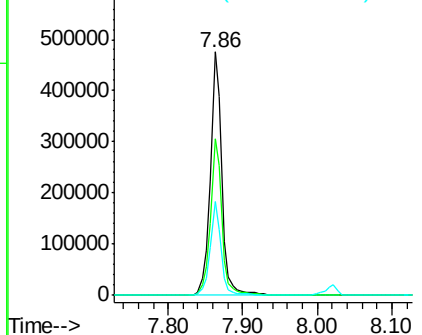
Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	64.5	44.0	84.0	
98	38.4	20.7	60.7	

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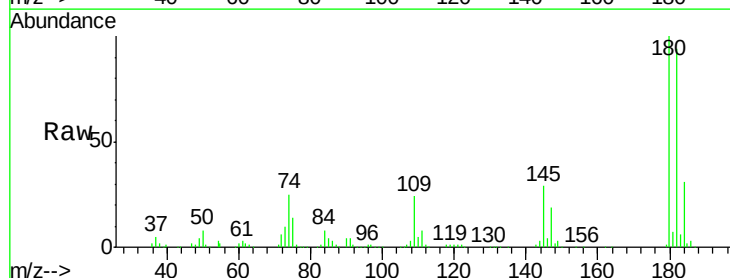


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

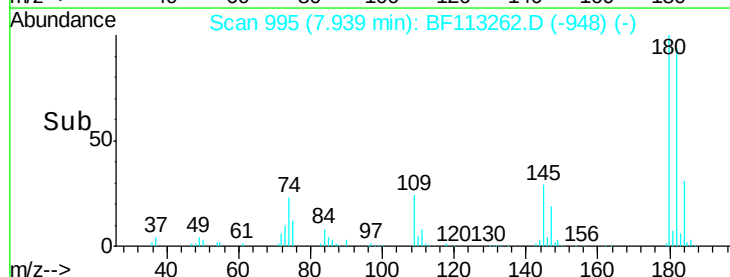
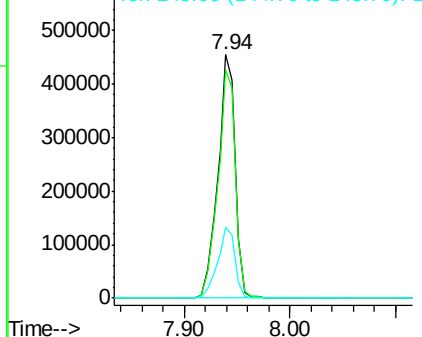


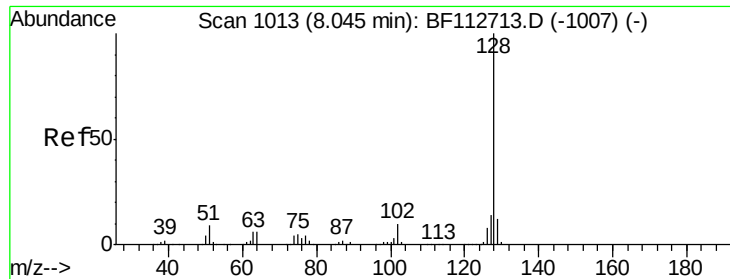
#30
1,2,4-Trichlorobenzene
Concen: 43.705 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	75.2	112.8	
145	29.2	25.4	38.0	



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





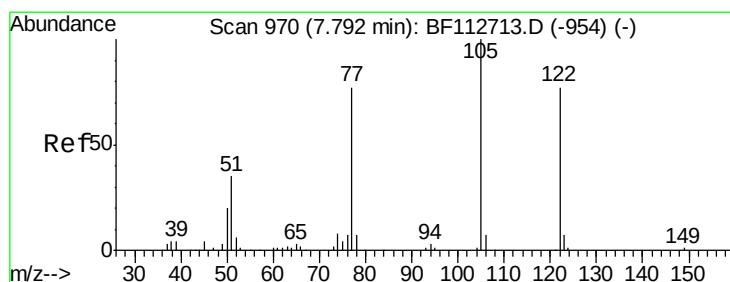
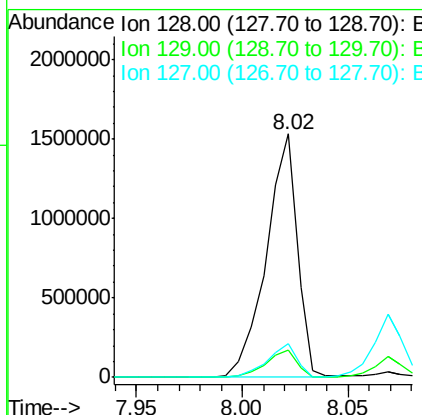
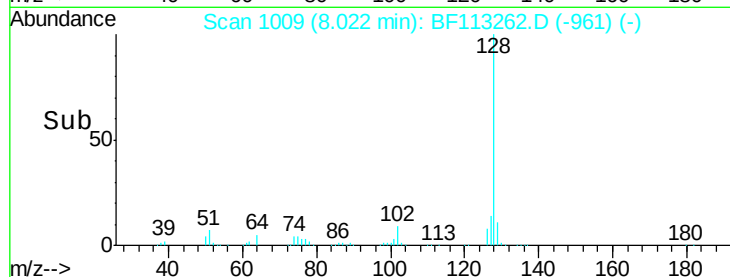
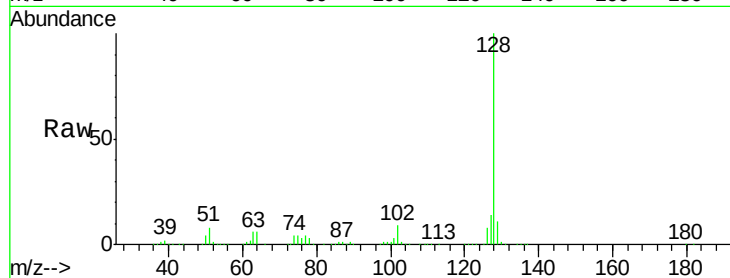
#31
Naphthalene
Concen: 39.516 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.6	10.9	16.3

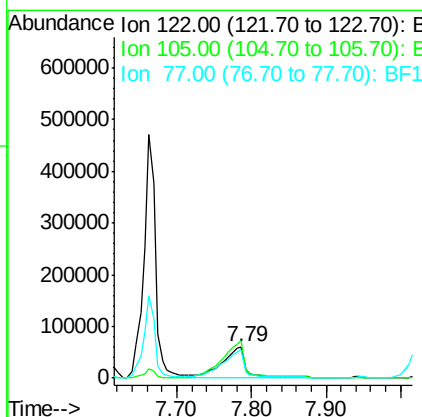
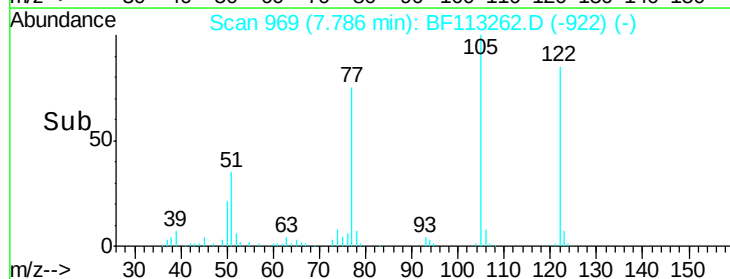
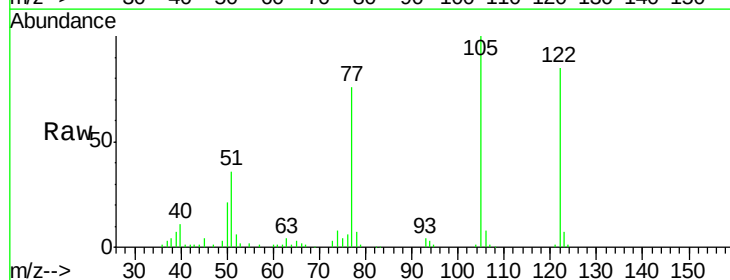
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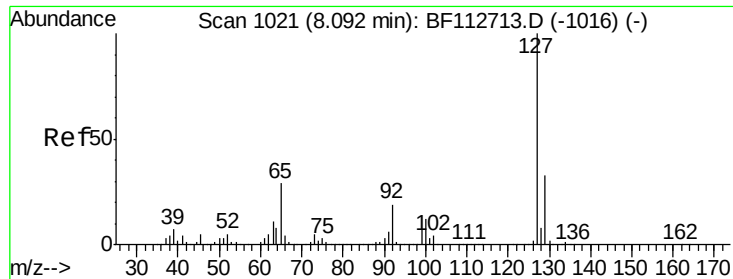
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#32
Benzoic acid
Concen: 16.790 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
122	100		
105	117.7	106.8	146.8
77	89.0	79.4	119.4





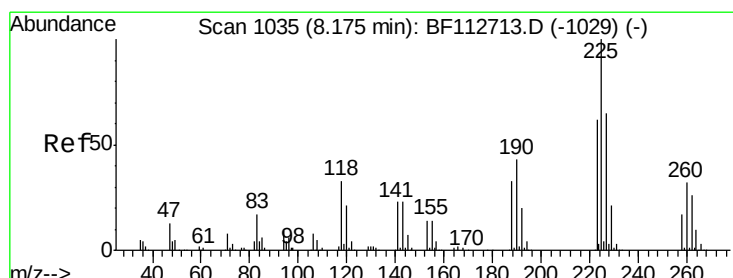
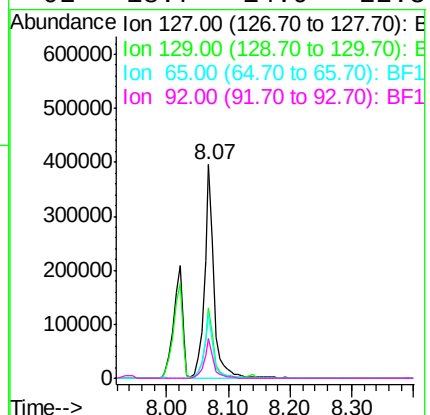
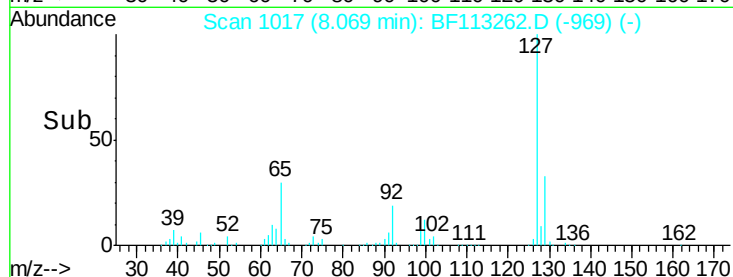
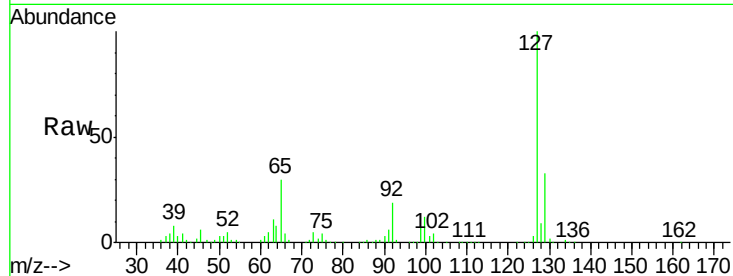
#33
4-Chloroaniline
Concen: 25.554 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.1	26.4	39.6		
65	30.1	23.1	34.7		
92	18.7	14.9	22.3		

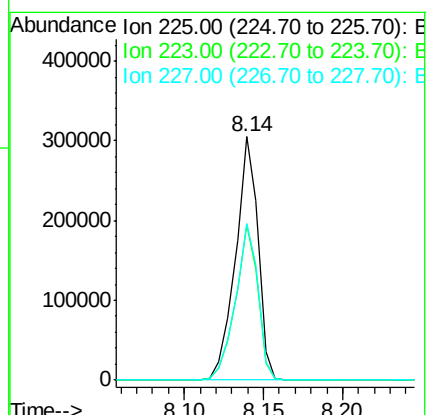
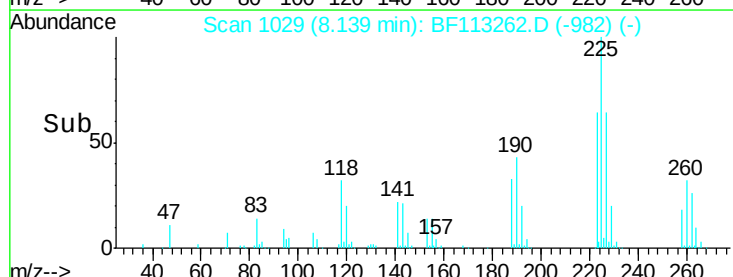
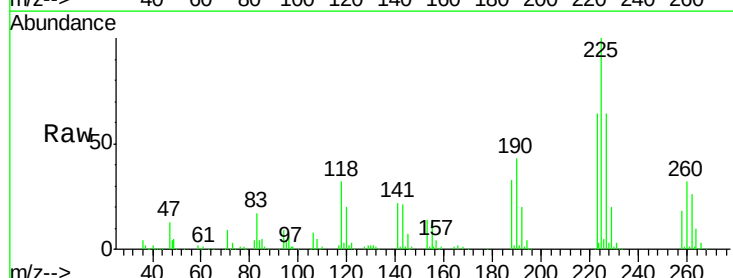
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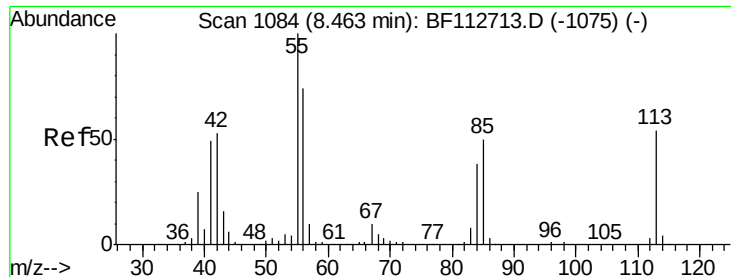
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#34
Hexachlorobutadiene
Concen: 44.454 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.8	49.7	74.5		
227	64.1	52.1	78.1		





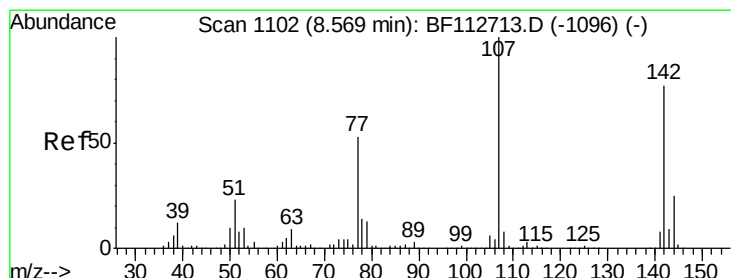
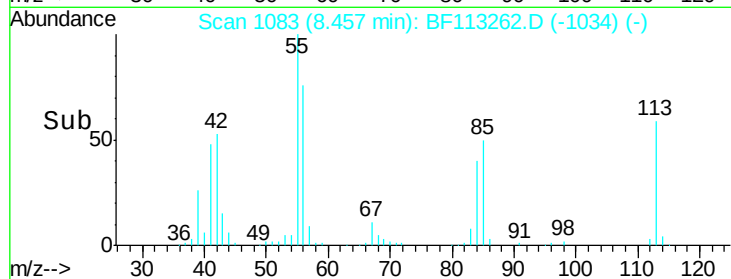
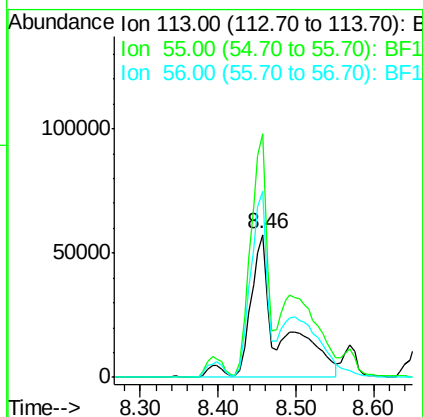
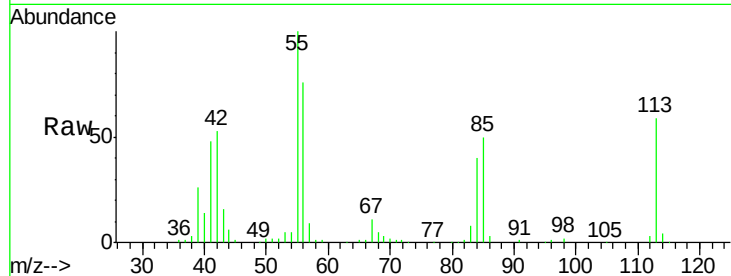
#35
Caprolactam
Concen: 38.688 ng/ml
RT: 8.46 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampled :
PB118222BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	170.2	163.5	203.5
56	129.8	115.3	155.3

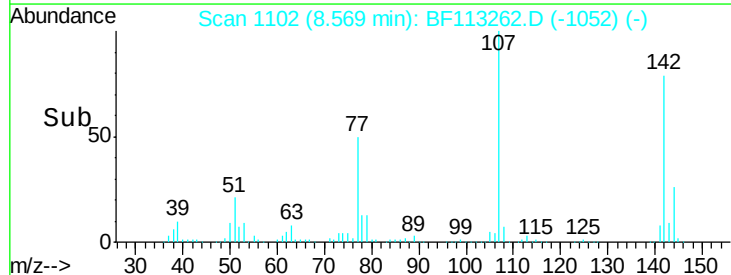
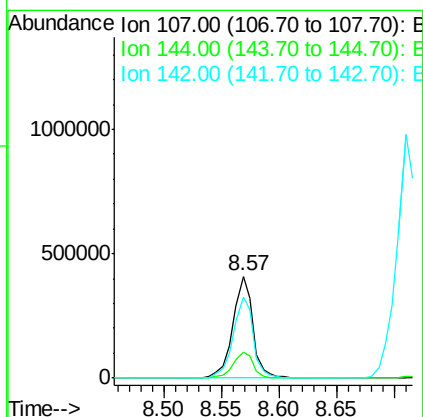
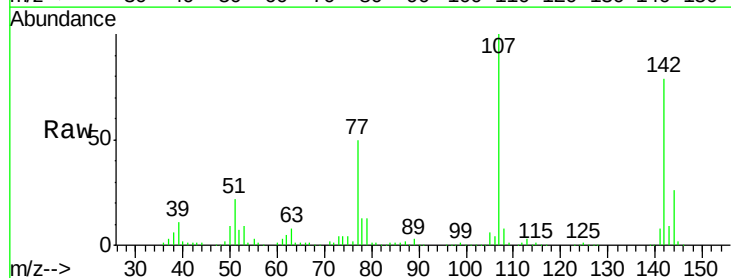
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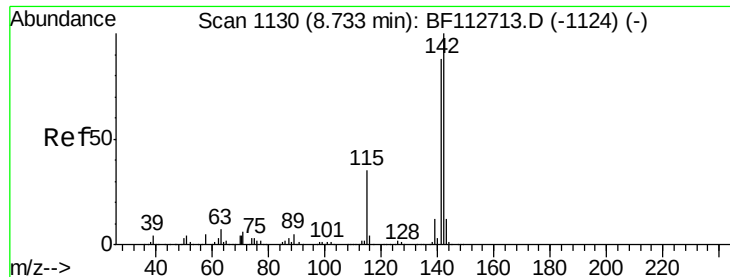
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#36
4-Chloro-3-methylphenol
Concen: 39.799 ng/ml
RT: 8.57 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.1	30.1
142	79.2	61.9	92.9





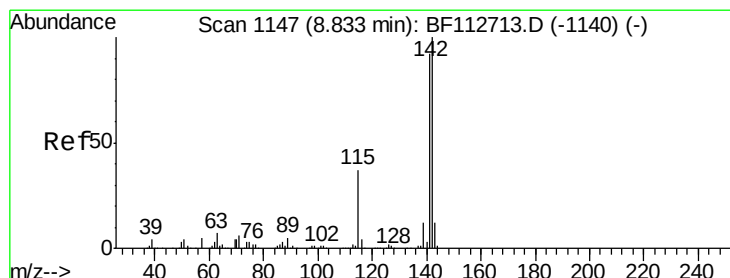
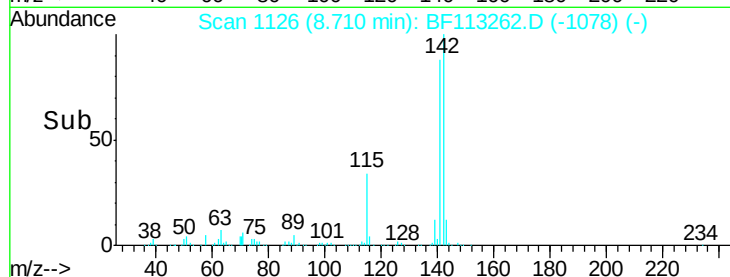
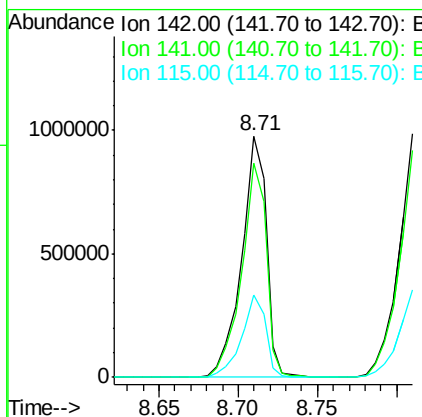
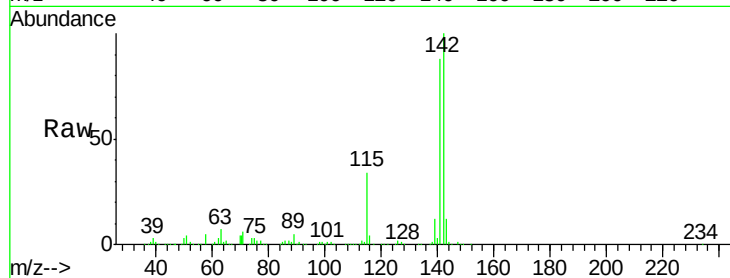
#37
2-Methylnaphthalene
Concen: 41.390 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampled :
PB118222BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5
115	34.3	27.8	41.6

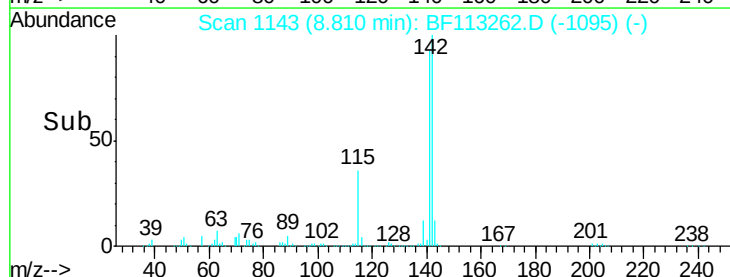
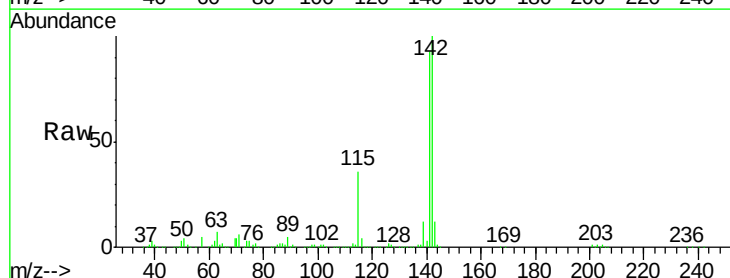
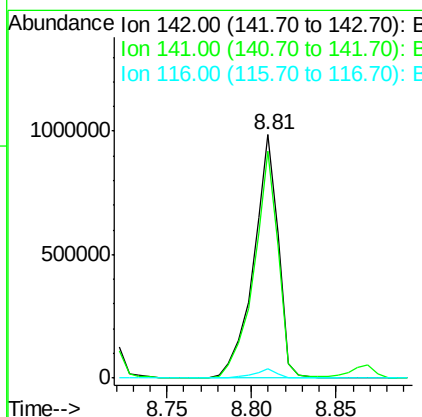
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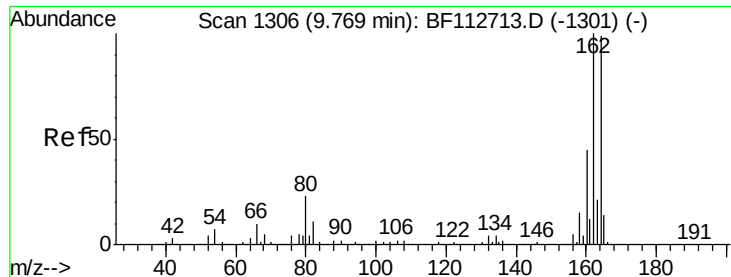
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#38
1-Methylnaphthalene
Concen: 40.046 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.7	110.5
116	3.7	3.1	4.7





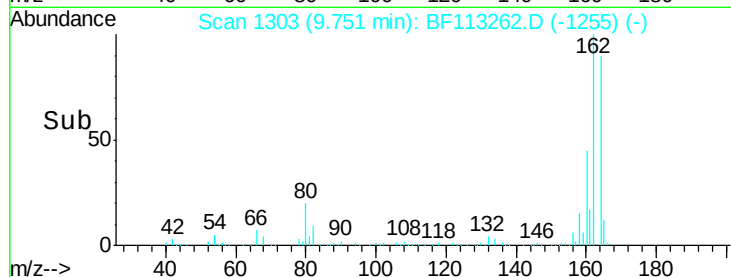
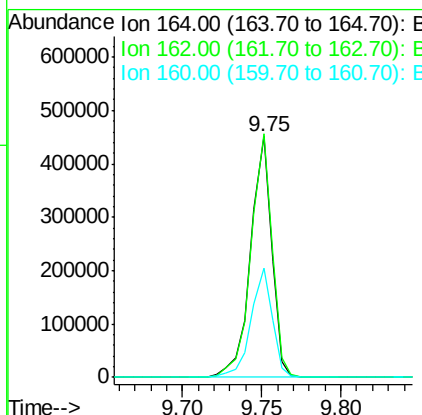
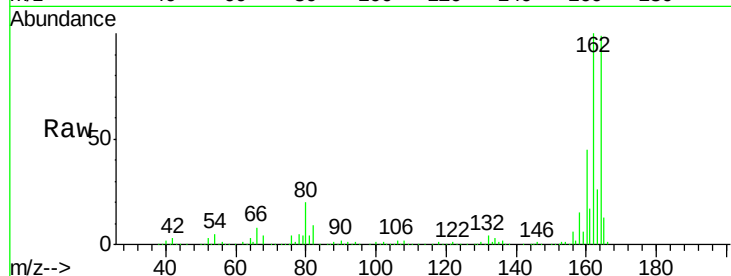
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	45.2	36.0	54.0

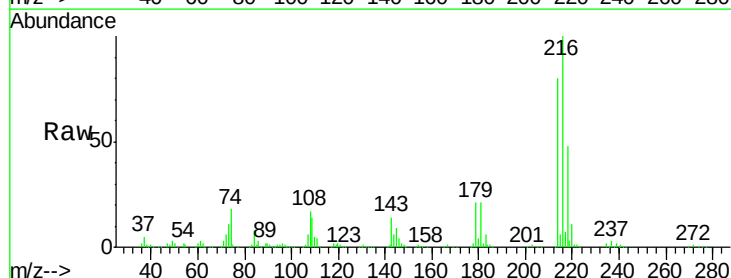
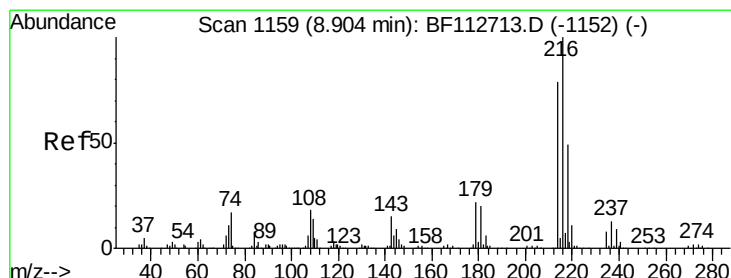
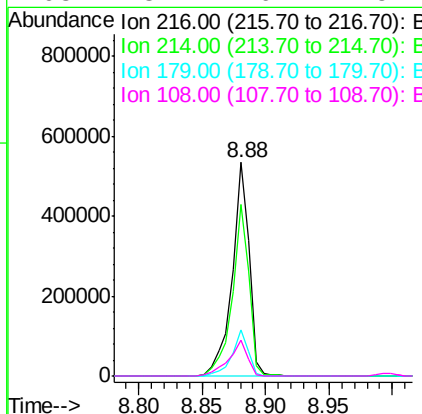
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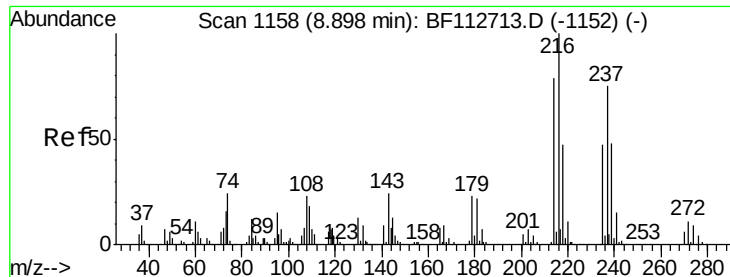
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.236 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.2	94.8
179	20.4	17.5	26.3
108	18.7	16.7	25.1





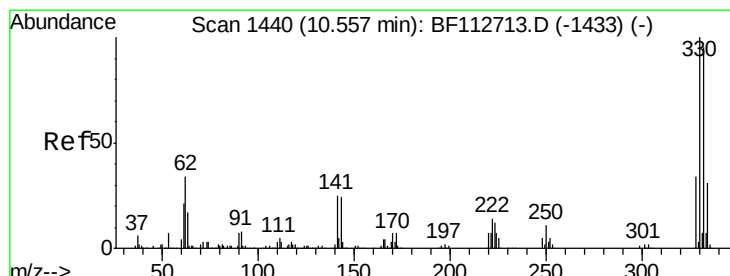
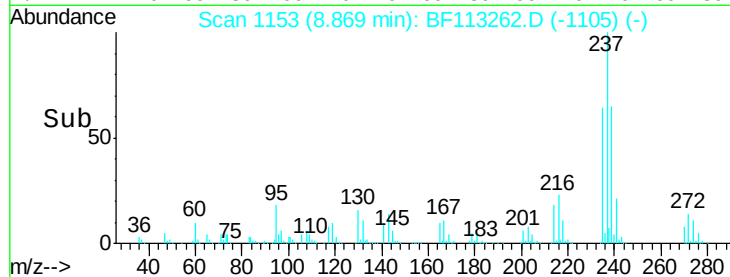
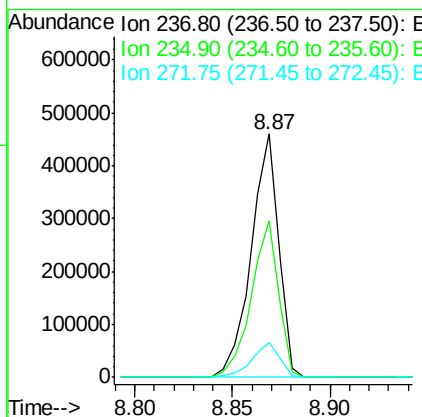
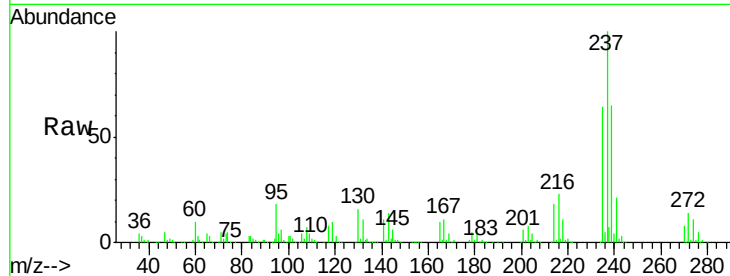
#41
 Hexachlorocyclopentadiene
 Concen: 67.343 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Instrument :
 BNA_F
 ClientSampleId :
 PB118222BS

Tot Ion:	237	Resp:	449120
Ion Ratio	Lower	Upper	
237	100		
235	64.5	42.2	82.2
272	14.3	0.0	34.0

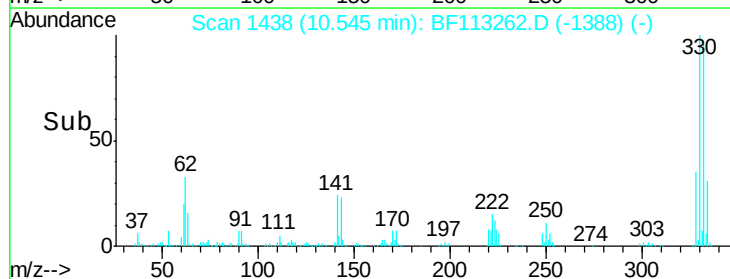
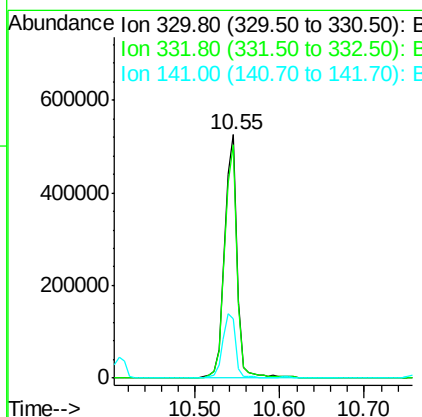
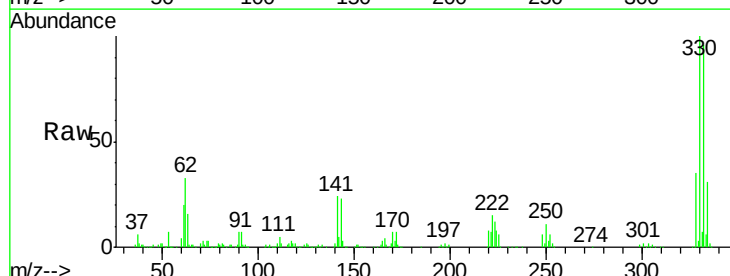
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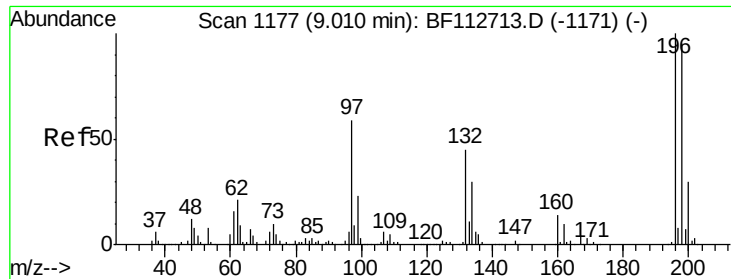
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#42
 2,4,6-Tribromophenol
 Concen: 122.165 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Tgt Ion:	330	Resp:	541657
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.2	114.4
141	27.9	27.0	40.6





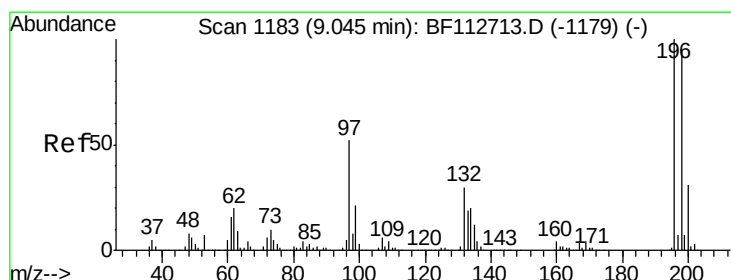
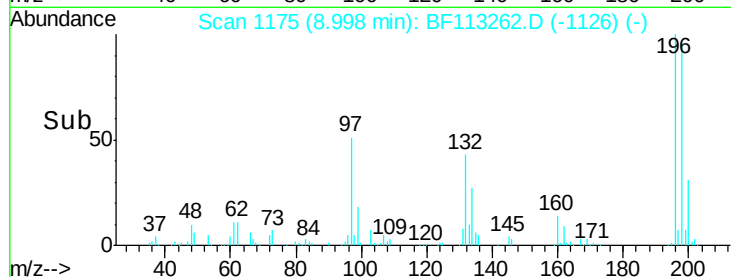
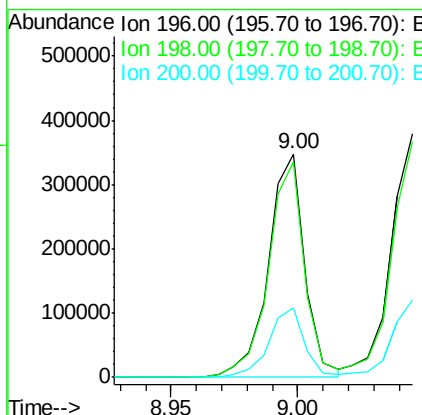
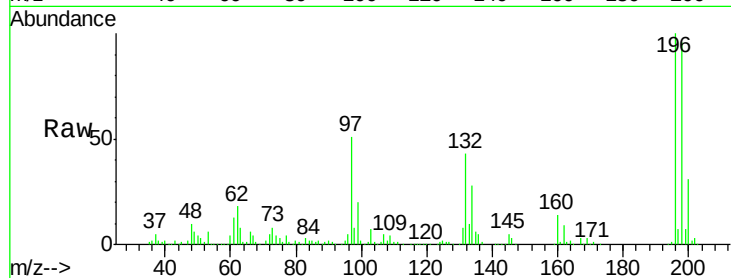
#43
 2,4,6-Trichlorophenol
 Concen: 41.695 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Instrument :
 BNA_F
 ClientSampleId :
 PB118222BS

Tot Ion:	196	Resp:	349487
Ion Ratio	Lower	Upper	
196	100		
198	96.3	75.8	113.8
200	31.2	24.3	36.5

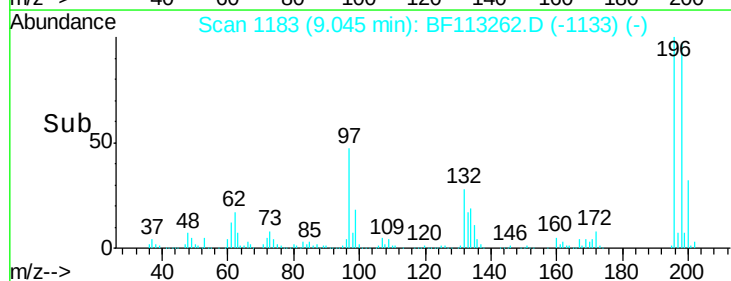
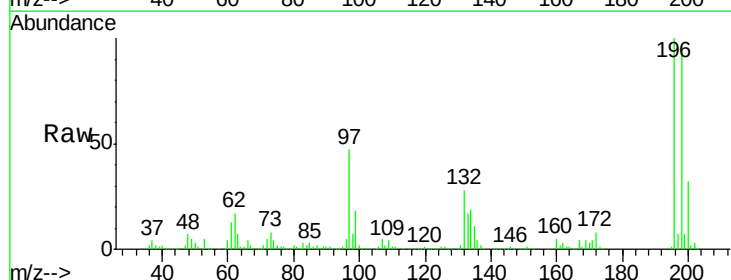
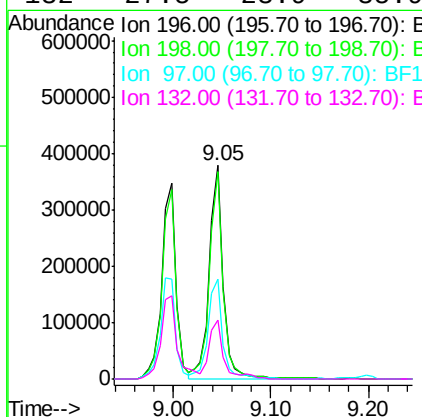
Manual Integrations
 APPROVED

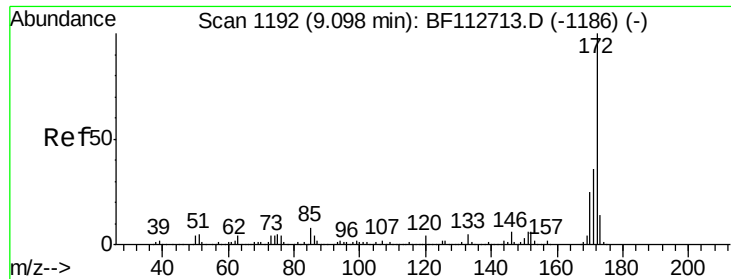
Sohil
 3/26/2019 6:34:47 PM



#44
 2,4,5-Trichlorophenol
 Concen: 41.466 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Tgt Ion:	196	Resp:	375671
Ion Ratio	Lower	Upper	
196	100		
198	97.0	76.2	114.2
97	46.8	41.5	62.3
132	27.5	23.9	35.9





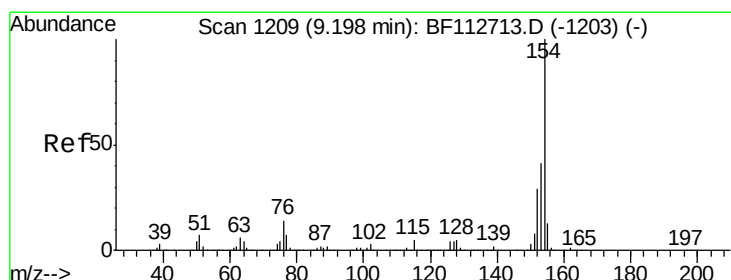
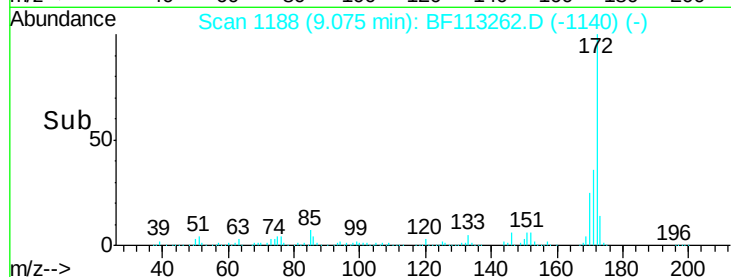
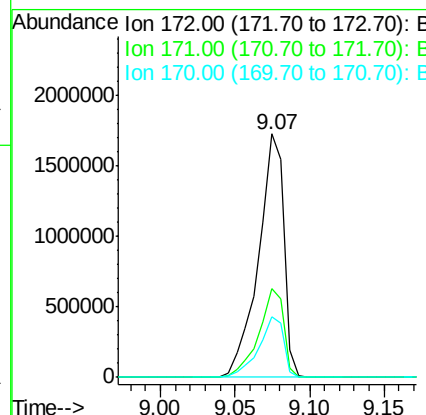
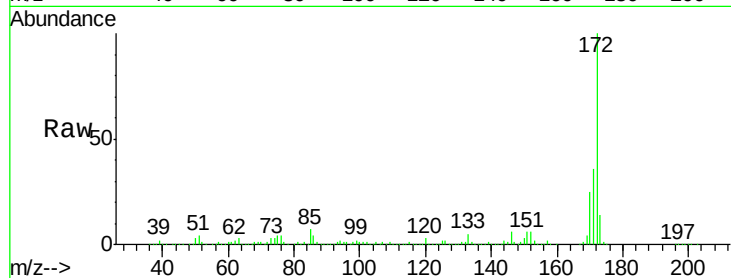
#45
2-Fluorobiphenyl
Concen: 78.768 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.6	20.0	30.0

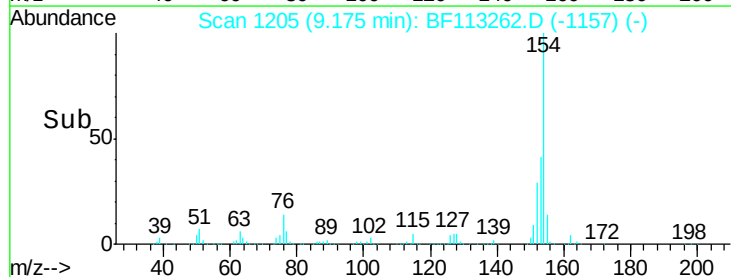
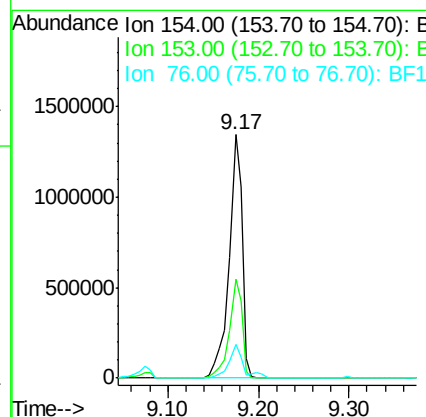
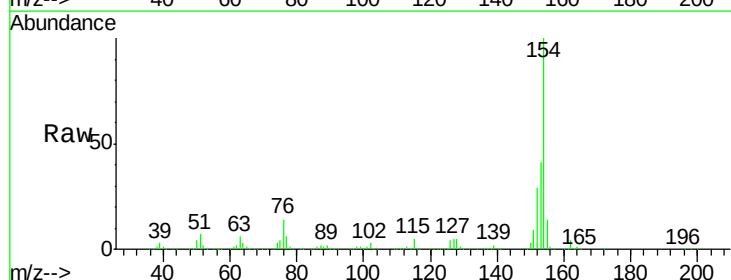
Manual Integrations
APPROVED

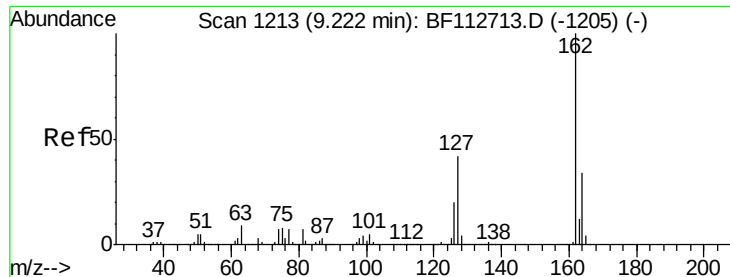
Sohil
3/26/2019 6:34:47 PM



#46
1,1'-Biphenyl
Concen: 38.643 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.8	60.8
76	13.6	0.0	33.8





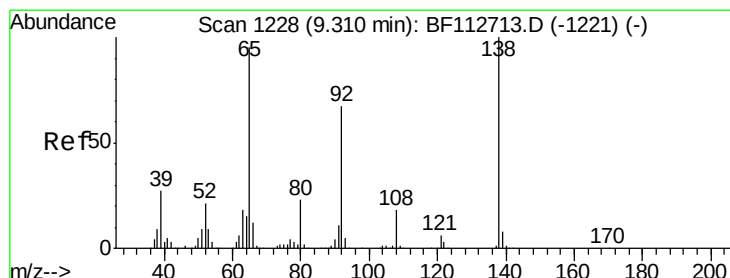
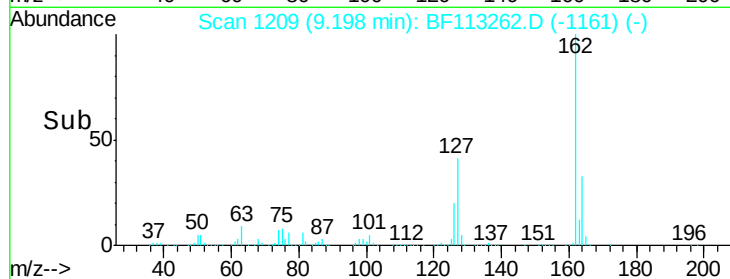
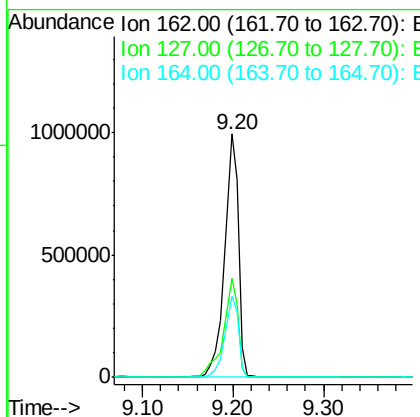
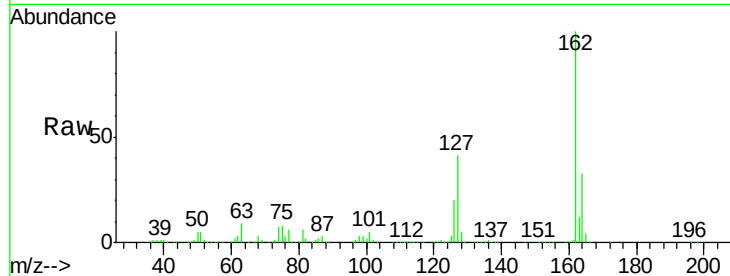
#47
 2-Chloronaphthalene
 Concen: 38.625 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Instrument :
 BNA_F
 ClientSampled :
 PB118222BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.7	33.4	50.2
164	33.4	26.9	40.3

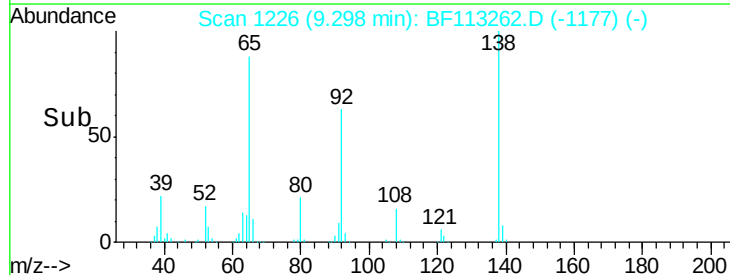
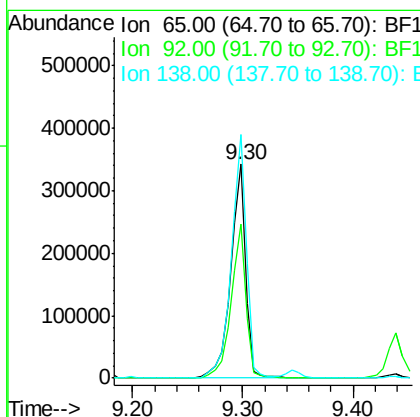
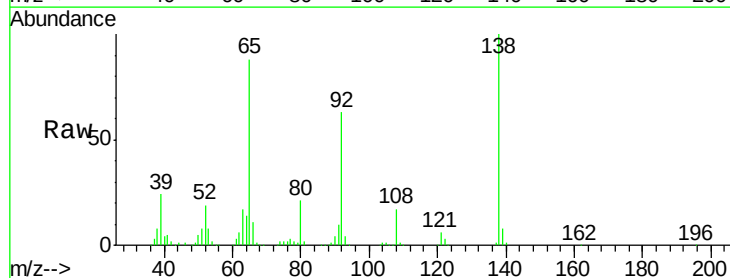
Manual Integrations
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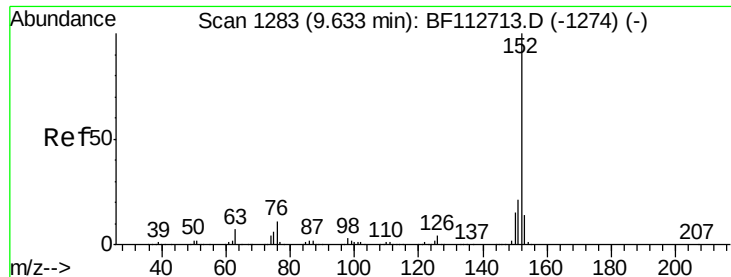
Sohil
 3/26/2019 6:34:47 PM



#48
 2-Nitroaniline
 Concen: 40.670 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.7	56.4	84.6
138	113.7	84.6	126.8





#49

Acenaphthylene

Concen: 35.240 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

ClientSampleId :

PB118222BS

Tot Ion:152 Resp: 1591318

Ion Ratio Lower Upper

152 100

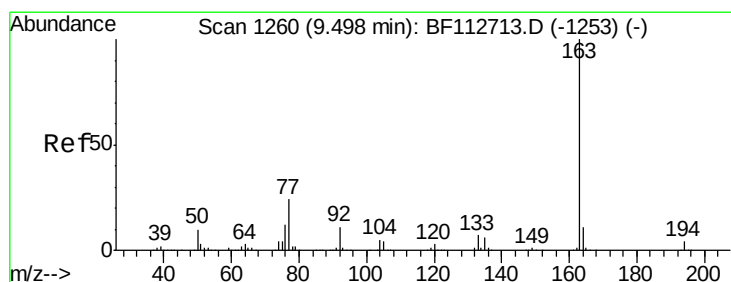
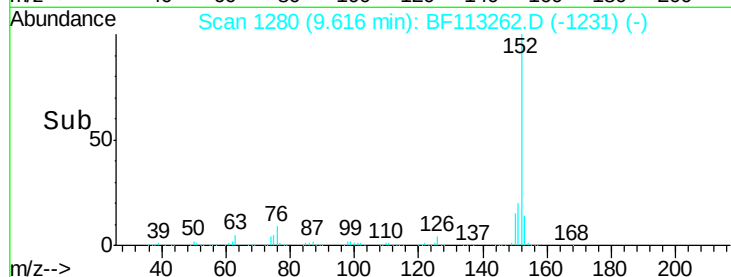
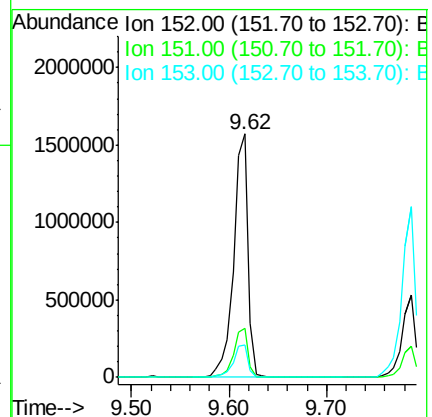
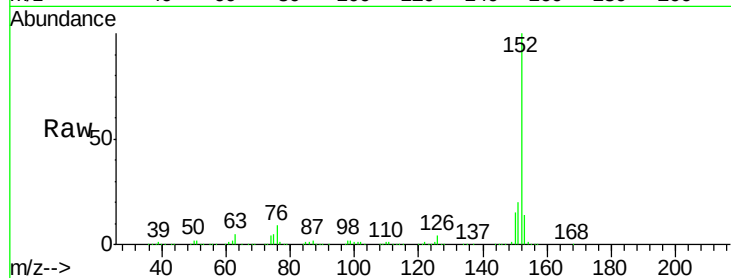
151 20.4 16.9 25.3

153 13.5 11.0 16.6

Manual Integrations
APPROVED

Sohil

3/26/2019 6:34:47 PM



#50

Dimethylphthalate

Concen: 39.602 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

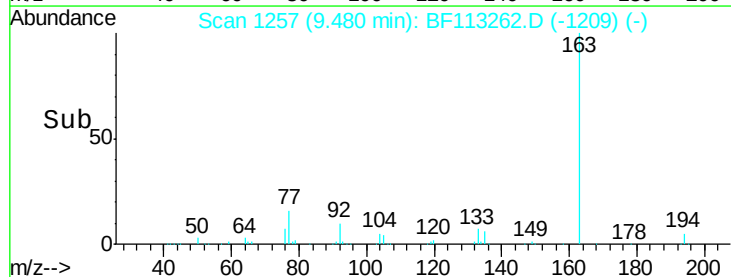
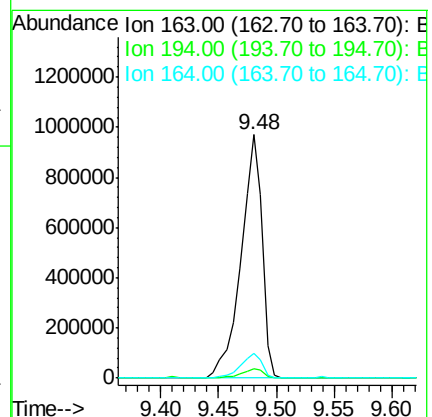
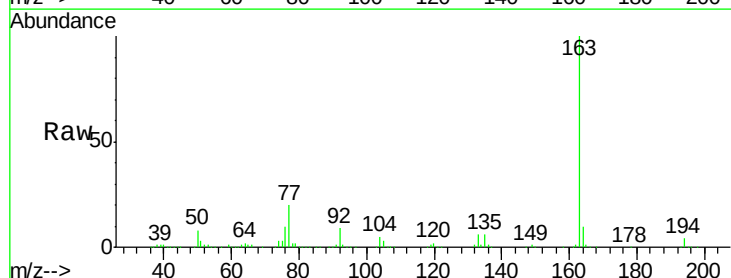
Tgt Ion:163 Resp: 1219551

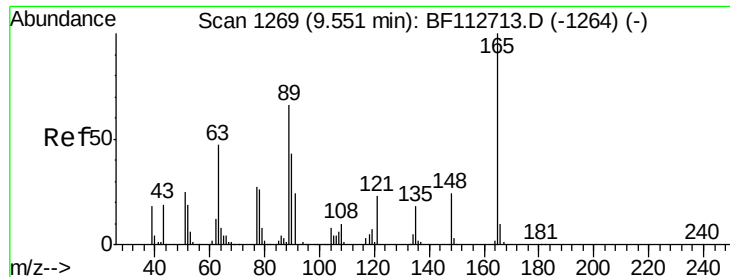
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

164 10.3 8.4 12.6





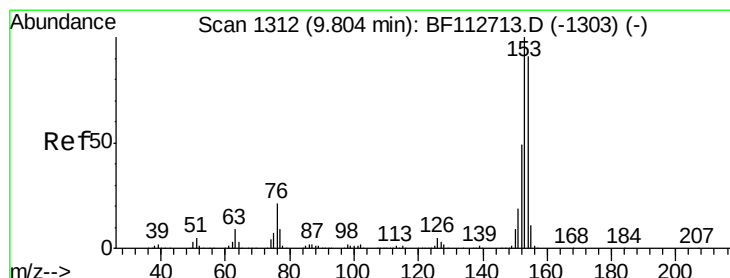
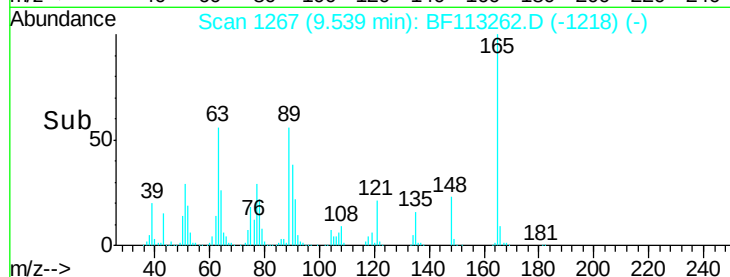
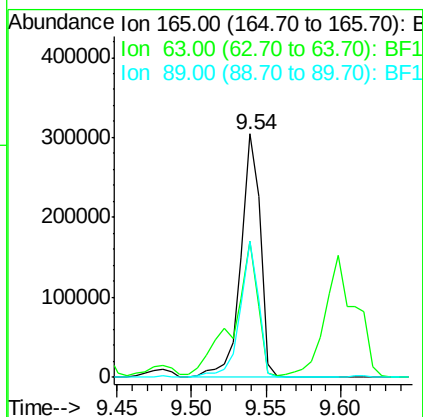
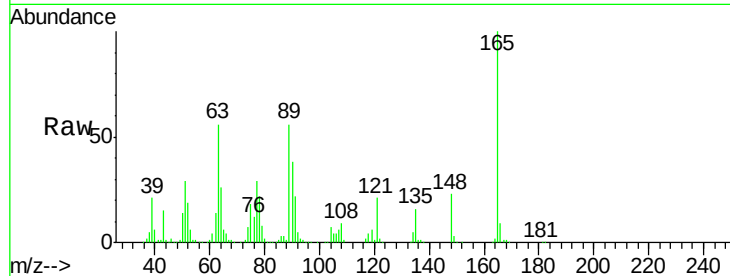
#51
2,6-Dinitrotoluene
Concen: 43.168 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	276823		
63	56.1		54.1	81.1
89	56.1		52.8	79.2

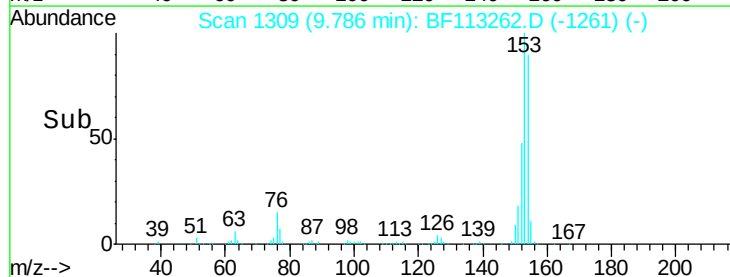
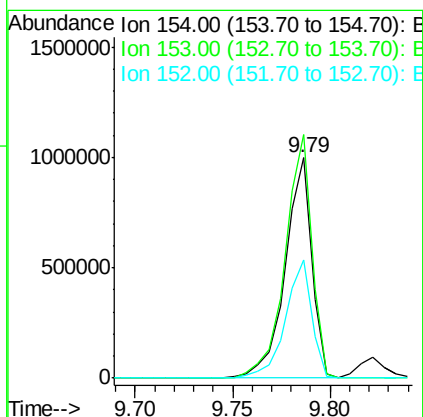
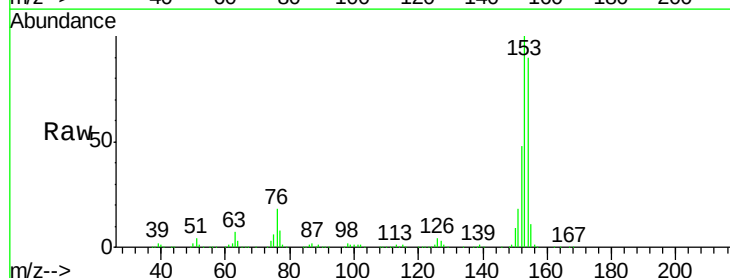
Manual Integrations
APPROVED

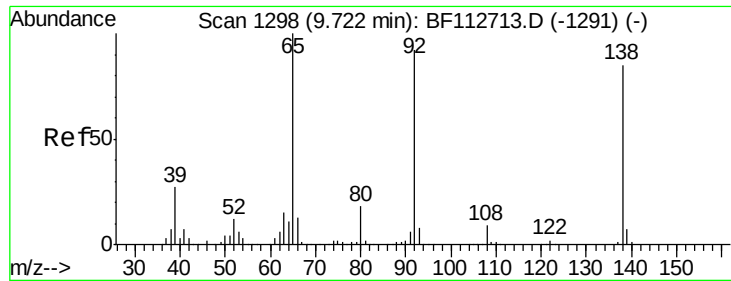
Sohil
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#52
Acenaphthene
Concen: 35.692 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	942542		
153	110.6		87.8	131.8
152	53.5		43.0	64.6





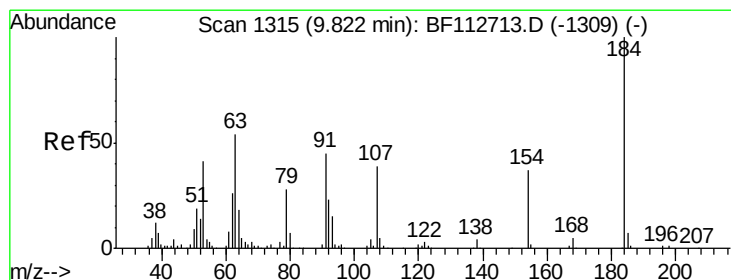
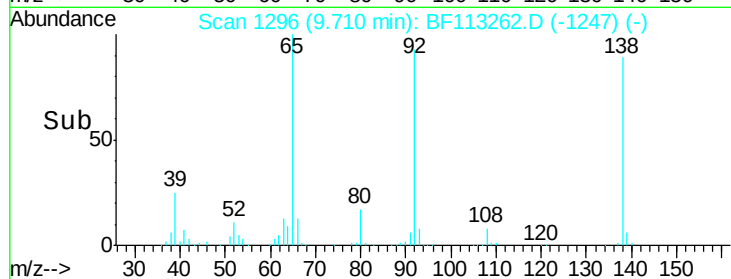
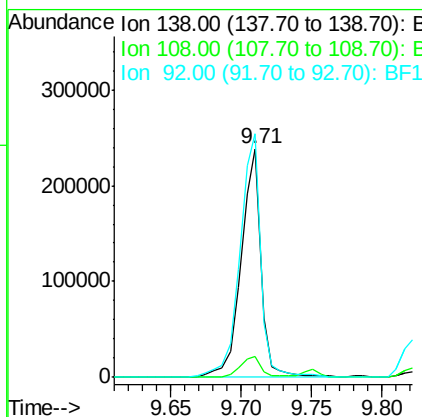
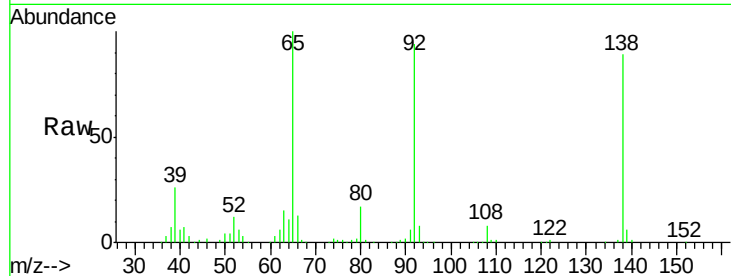
#53
3-Nitroaniline
Concen: 29.962 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.2	8.6	13.0
92	106.5	86.6	129.8

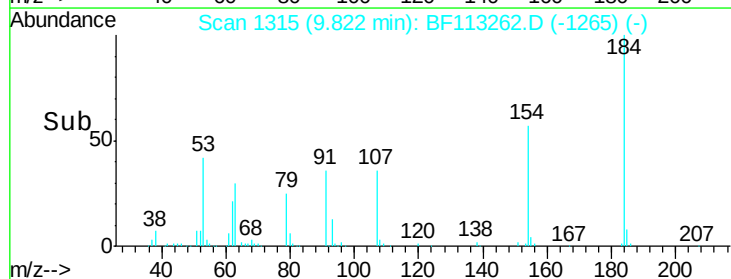
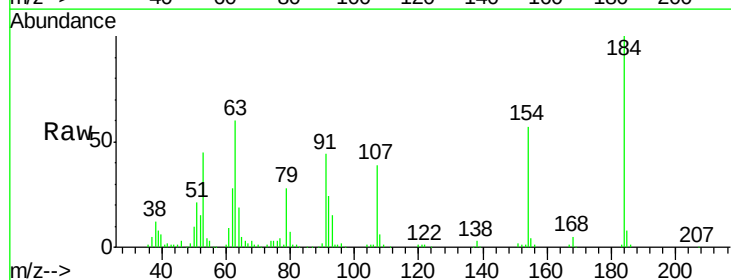
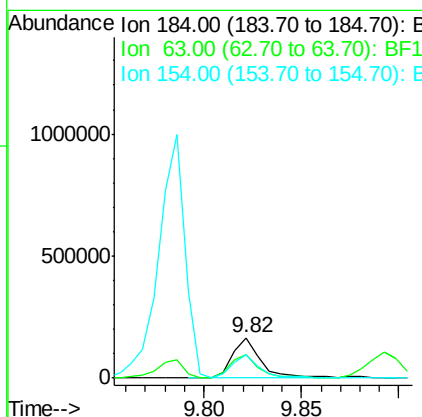
Manual Integrations
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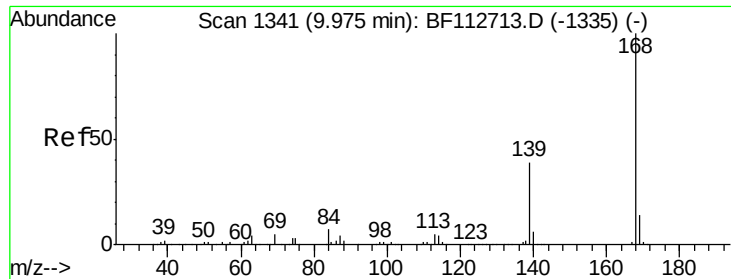
Sohil
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#54
2,4-Dinitrophenol
Concen: 64.677 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.8	45.3	67.9
154	57.0	46.0	69.0





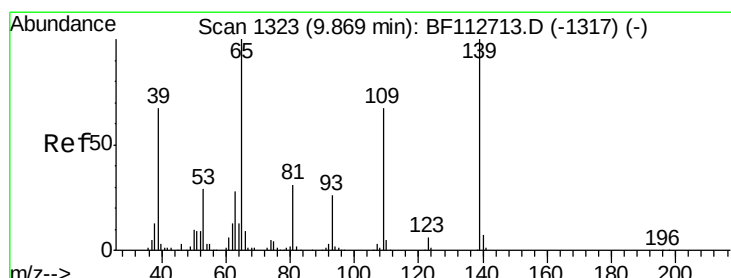
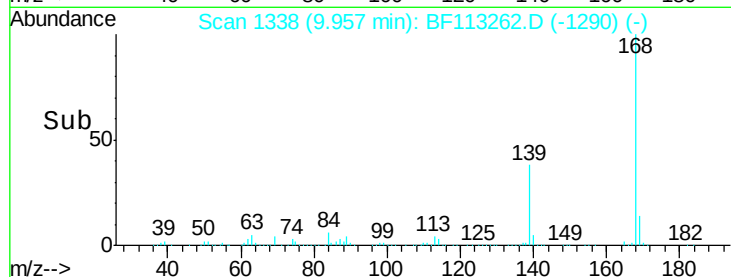
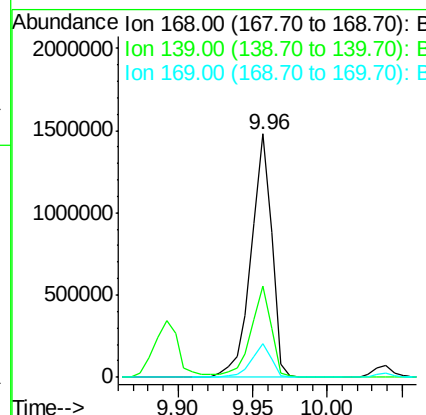
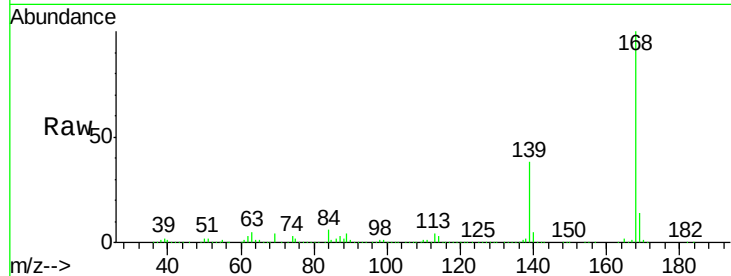
#55
Dibenzofuran
Concen: 36.793 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.5	31.3	46.9
169	13.8	11.3	16.9

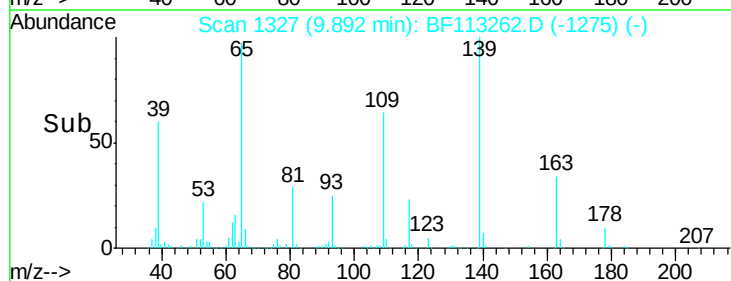
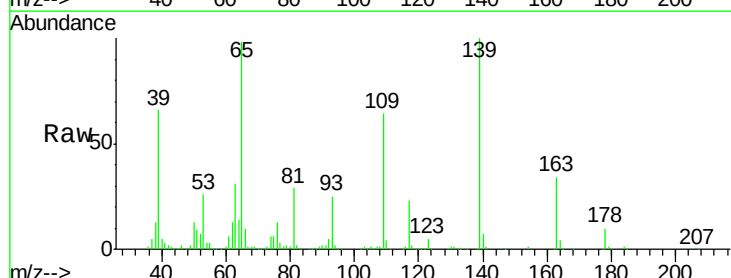
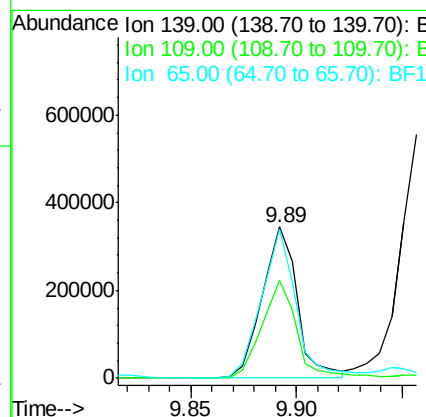
Manual Integrations
APPROVED

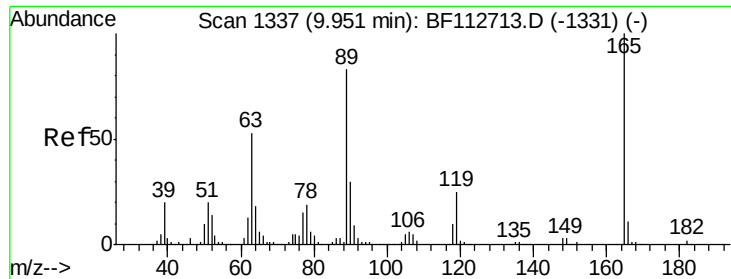
Sohil
3/26/2019 6:34:47 PM



#56
4-Nitrophenol
Concen: 62.959 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.4	46.8	86.8
65	98.0	80.7	120.7





#57

2,4-Dinitrotoluene

Concen: 44.304 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

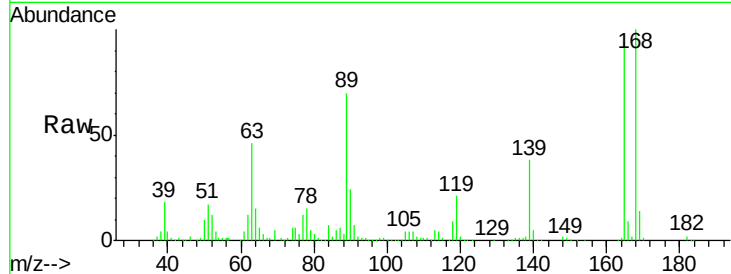
ClientSampled :

PB118222BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	353156		
63	49.2		42.2	63.2
89	74.0		66.2	99.4
182	2.5		1.8	2.6

Manual Integrations
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Sohil
3/26/2019 6:34:47 PM

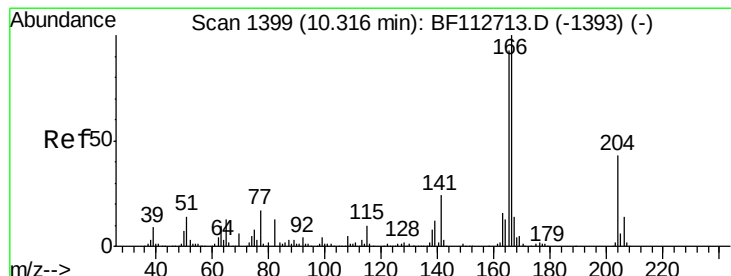
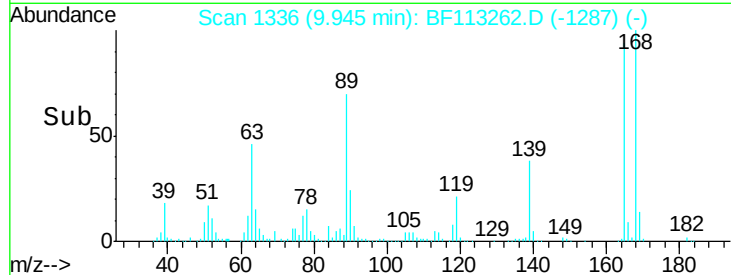
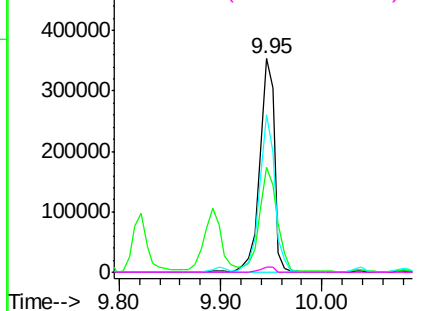


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 38.317 ng

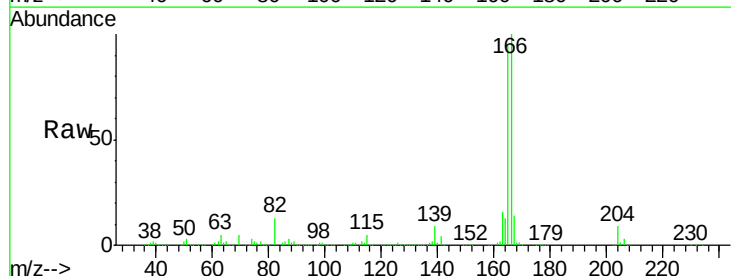
RT: 10.30 min Scan# 1396

Delta R.T. -0.02 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

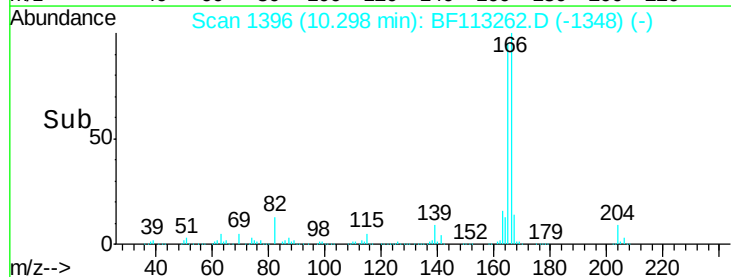
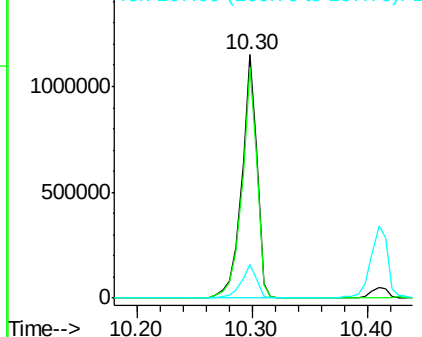
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1043769		
165	94.7		74.7	112.1
167	14.1		11.0	16.6

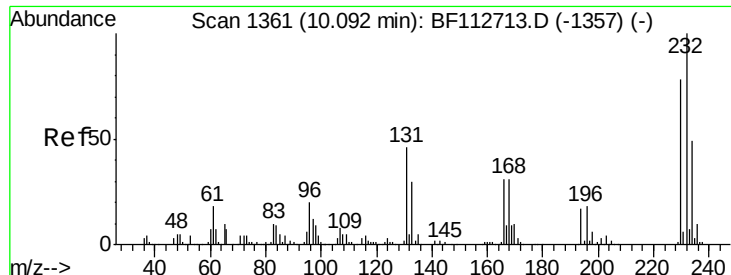


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 41.742 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

ClientSampleId :

PB118222BS

Tot Ion:232 Resp: 315072

Ion Ratio Lower Upper

232 100

131 43.3 38.7 58.1

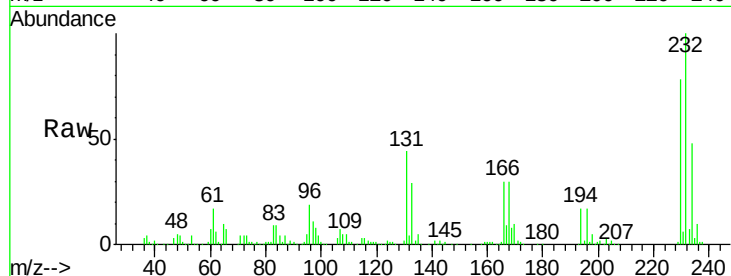
130 2.0 1.9 2.9

166 27.8 25.2 37.8

Manual Integrations
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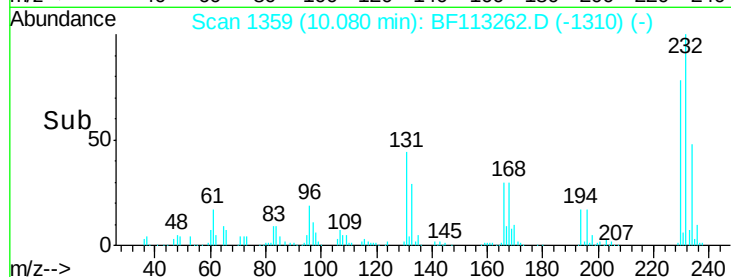


Abundance Ion 232.00 (231.70 to 232.70): E

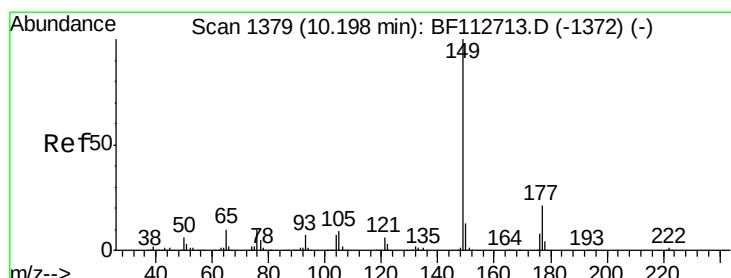
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



Time-->



#60

Diethylphthalate

Concen: 36.217 ng

RT: 10.18 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

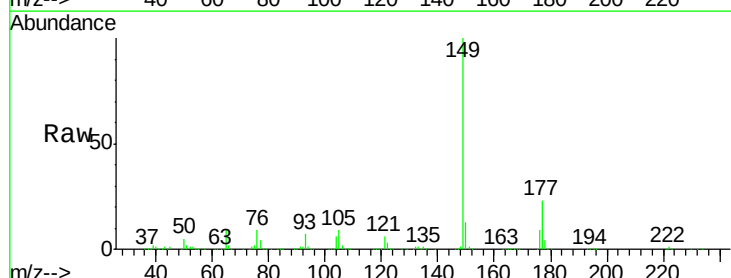
Tgt Ion:149 Resp: 1177925

Ion Ratio Lower Upper

149 100

177 23.3 17.0 25.6

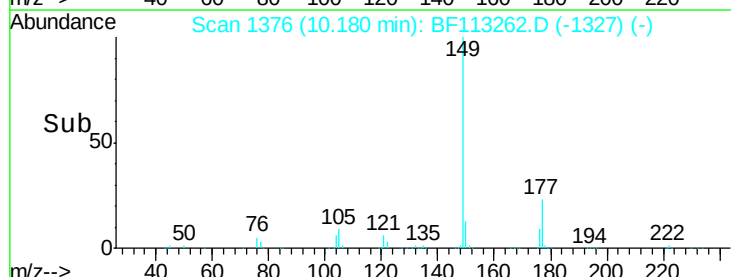
150 12.6 10.0 15.0



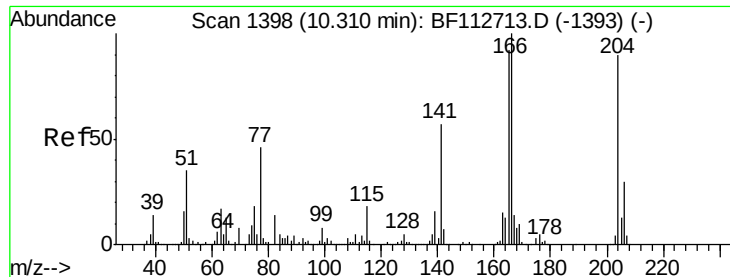
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



Time-->



#61

4-Chlorophenyl-phenylether

Concen: 41.842 ng

RT: 10.29 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

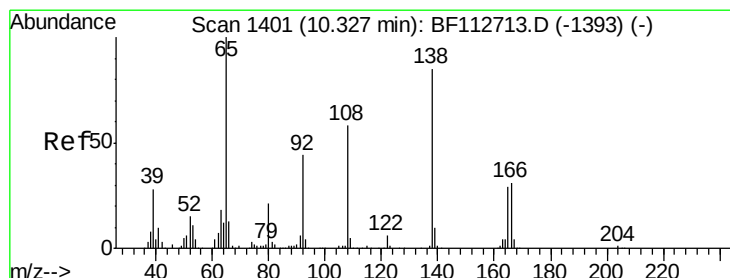
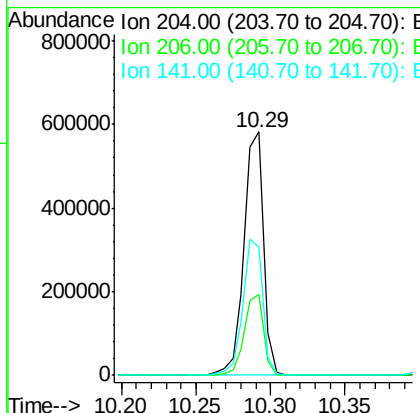
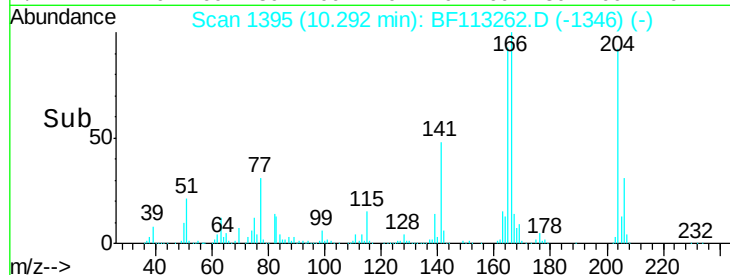
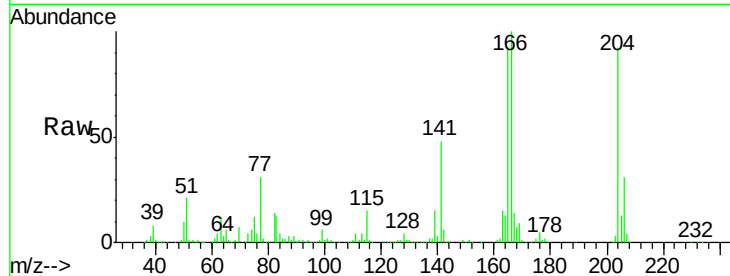
ClientSampled :

PB118222BS

Tot Ion:	204	Resp:	530307
Ion Ratio		Lower	Upper
204	100		
206	33.5	26.6	40.0
141	52.6	50.8	76.2

Manual Integrations
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#62

4-Nitroaniline

Concen: 40.771 ng

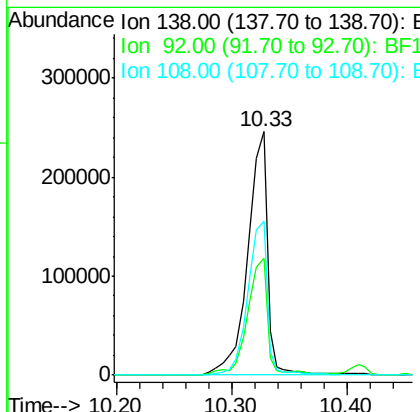
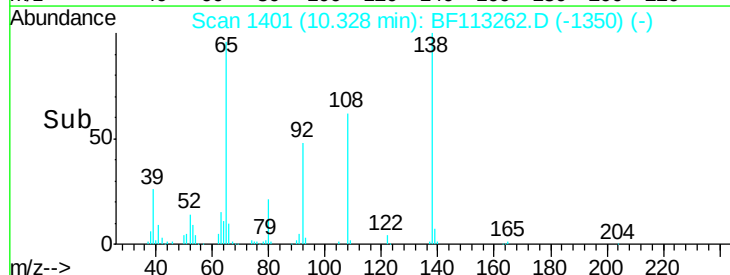
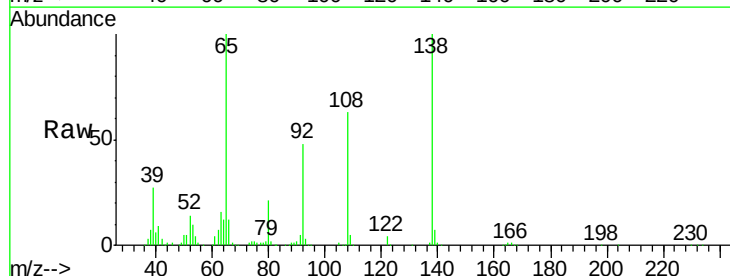
RT: 10.33 min Scan# 1401

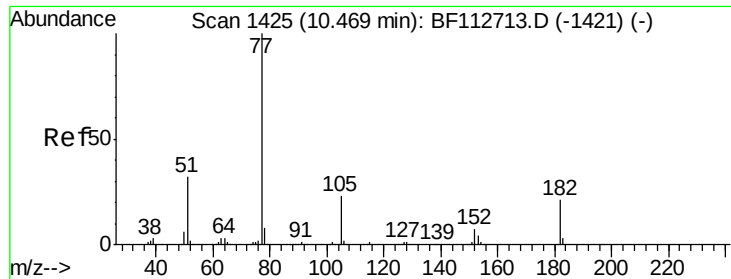
Delta R.T. -0.00 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Tgt Ion:	138	Resp:	294388
Ion Ratio		Lower	Upper
138	100		
92	47.9	31.3	71.3
108	63.1	48.1	88.1





#63

Azobenzene

Concen: 31.395 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

ClientSampleId :

PB118222BS

Tot Ion: 77 Resp: 1045894

Ion Ratio Lower Upper

77 100

182 26.4 1.4 41.4

105 23.0 2.6 42.6

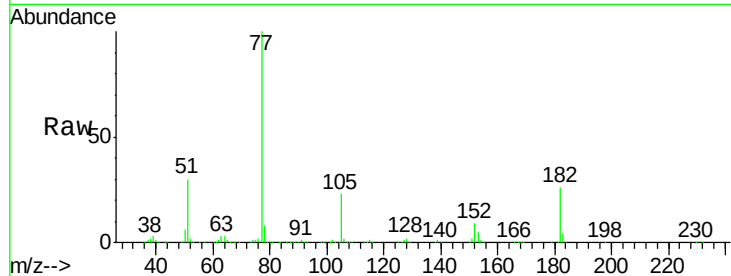
51 29.9 12.0 52.0

Manual Integrations

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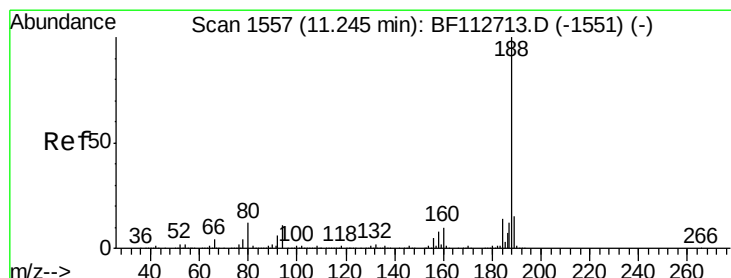
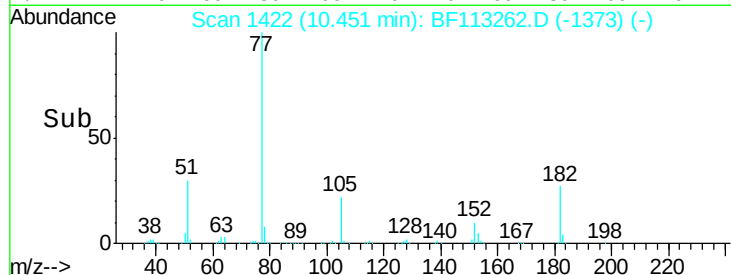
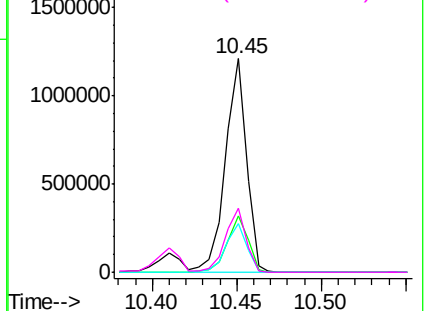


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.02 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

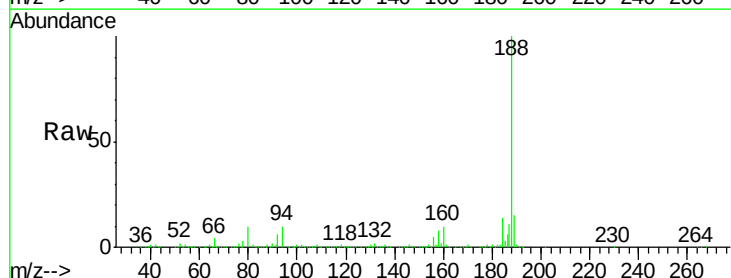
Tgt Ion: 188 Resp: 745121

Ion Ratio Lower Upper

188 100

94 9.7 9.0 13.4

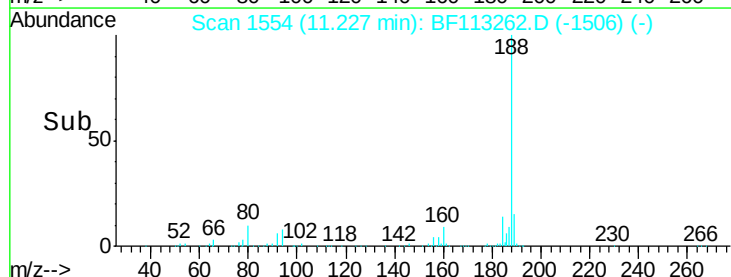
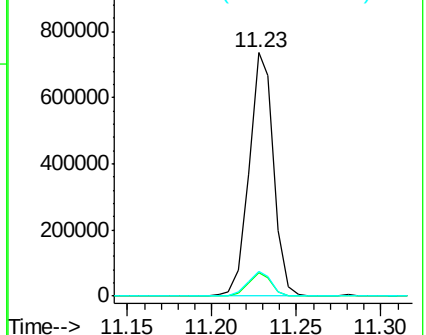
80 10.3 9.2 13.8

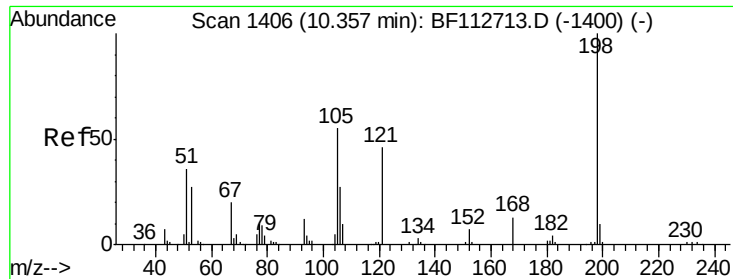


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





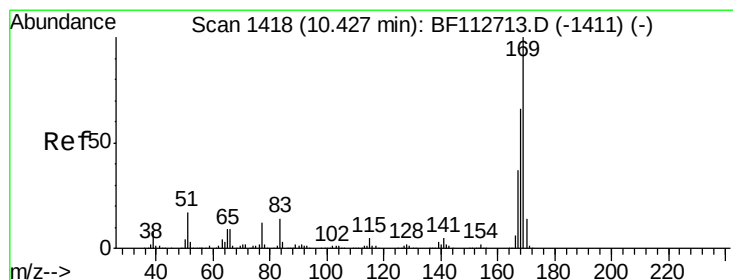
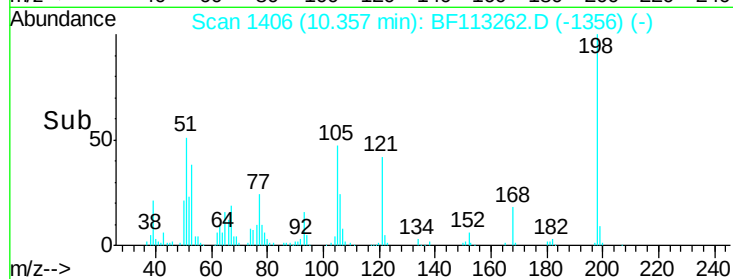
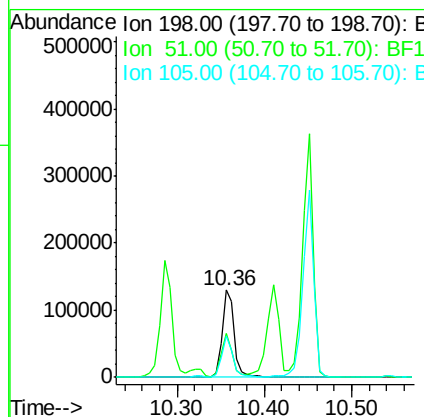
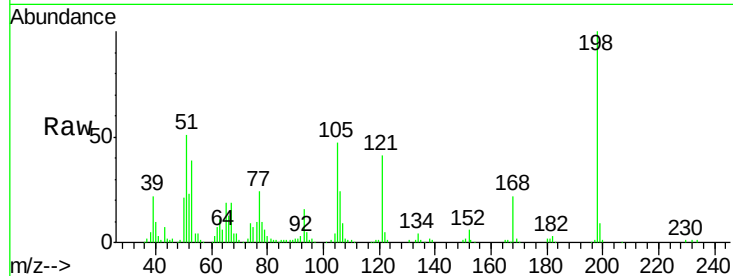
#65
 4,6-Dinitro-2-methylphenol
 Concen: 41.908 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Instrument :
 BNA_F
 ClientSampleId :
 PB118222BS

Tot Ion:	198	Resp:	126324
Ion Ratio	Lower	Upper	
198	100		
51	50.7	43.8	83.8
105	47.1	36.5	76.5

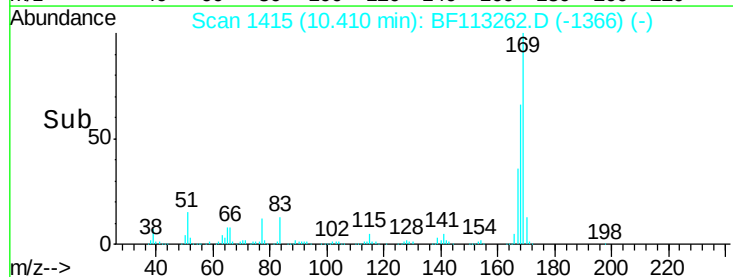
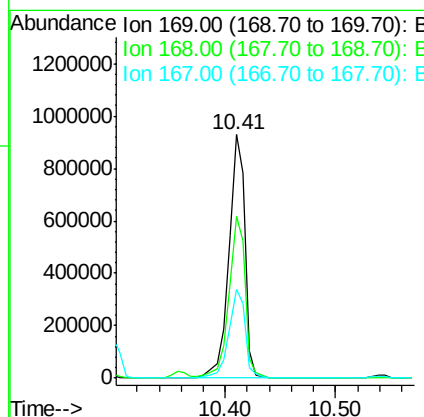
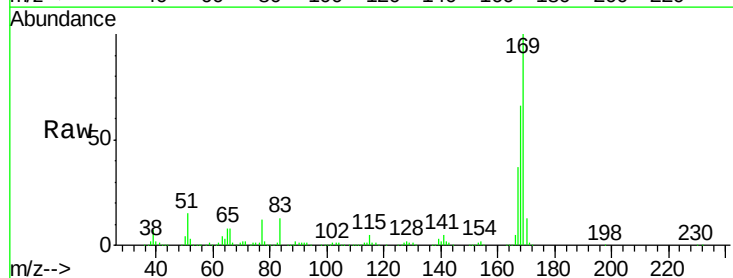
Manual Integrations
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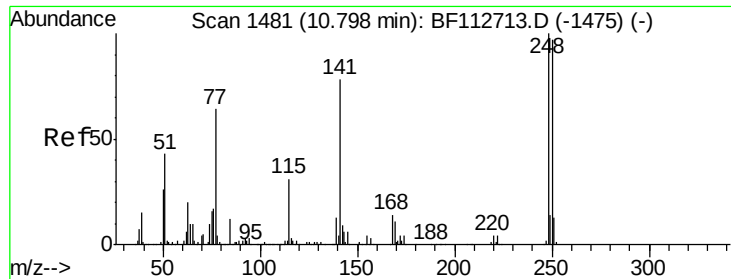
Sohil
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#66
 n-Nitrosodiphenylamine
 Concen: 39.370 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Tgt Ion:	169	Resp:	940813
Ion Ratio	Lower	Upper	
169	100		
168	66.5	53.0	79.6
167	36.5	29.3	43.9





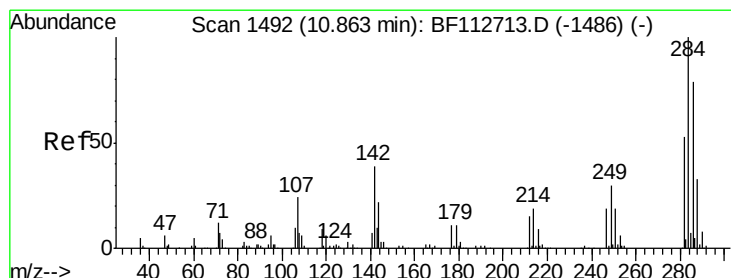
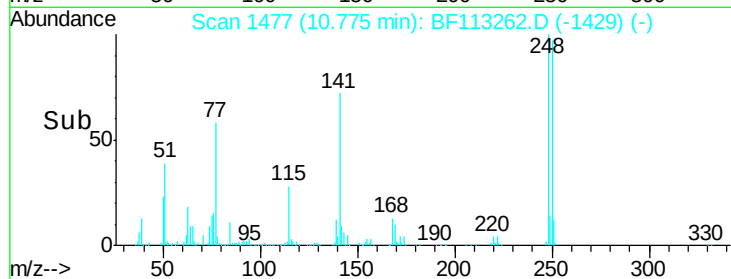
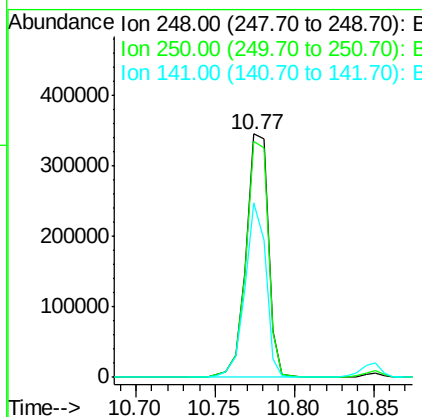
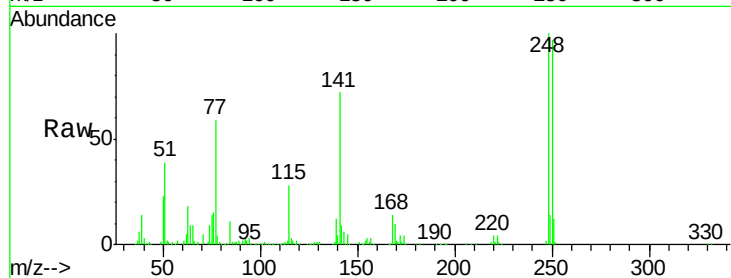
#67
4-Bromophenyl-phenylether
Concen: 42.716 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.02 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.5	116.3
141	71.6	62.4	93.6

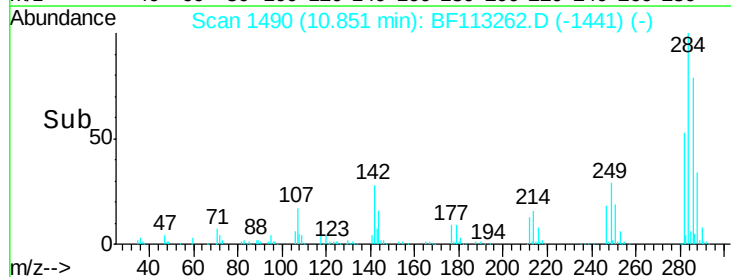
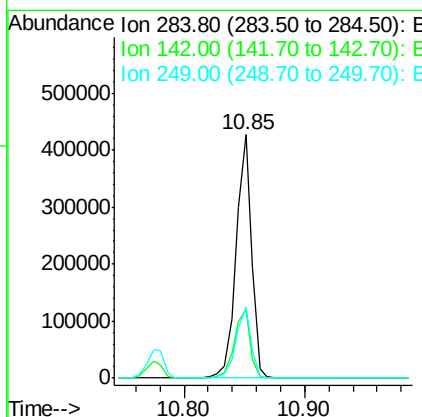
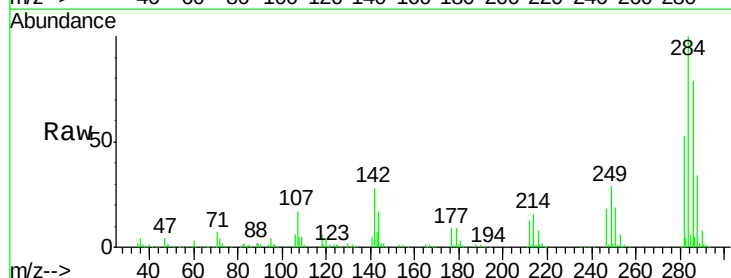
Manual Integrations
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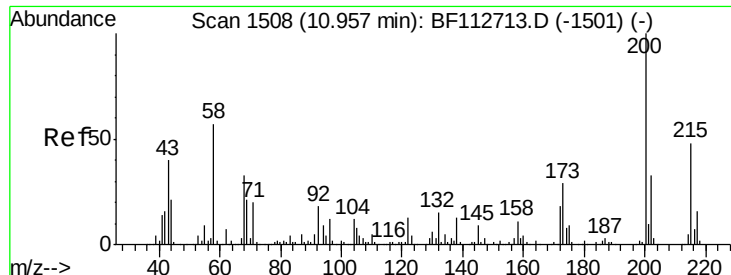
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#68
Hexachlorobenzene
Concen: 43.089 ng
RT: 10.85 min Scan# 1490
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.9	31.0	46.6#
249	28.9	23.6	35.4





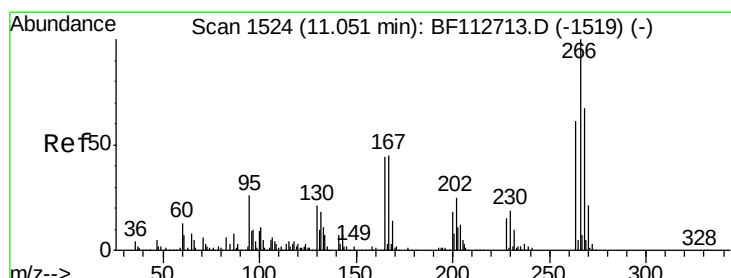
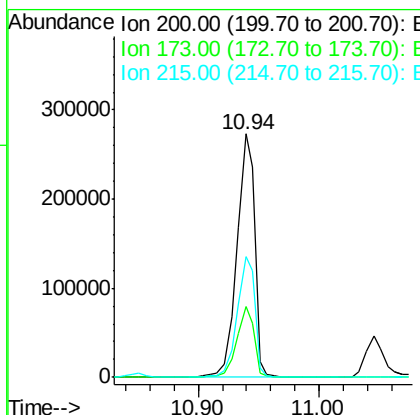
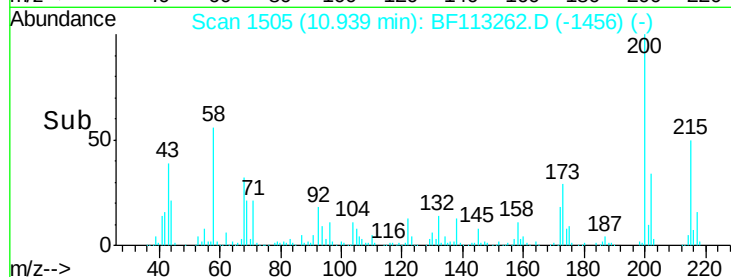
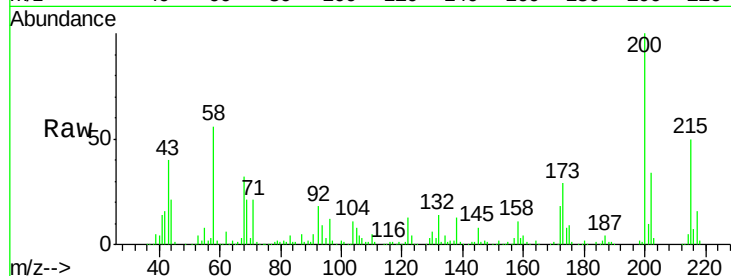
#69
 Atrazine
 Concen: 38.573 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. -0.01 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Instrument :
 BNA_F
 ClientSampleId :
 PB118222BS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	28.9	9.1	49.1
215	49.6	28.2	68.2

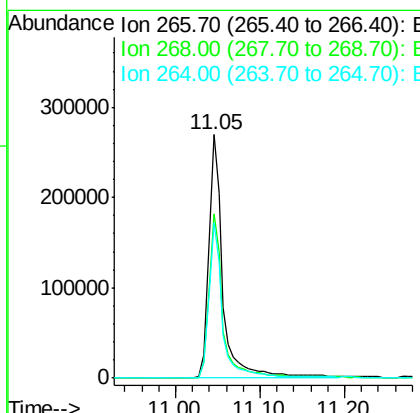
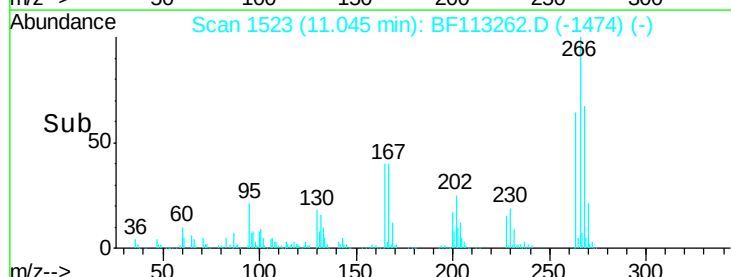
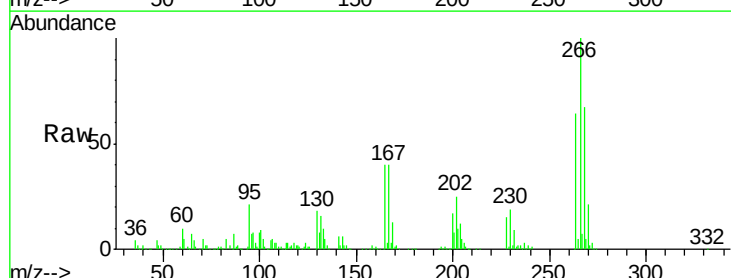
Manual Integrations
 APPROVED

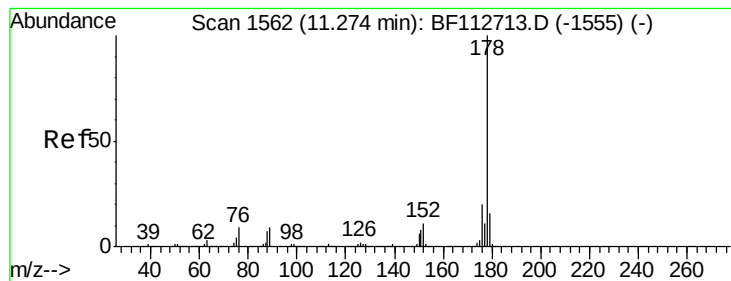
Sohil
 3/26/2019 6:34:47 PM



#70
 Pentachlorophenol
 Concen: 61.219 ng
 RT: 11.05 min Scan# 1523
 Delta R.T. -0.01 min
 Lab File: BF113262.D
 Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	67.2	53.3	79.9
264	63.6	48.9	73.3





#71

Phenanthrene

Concen: 38.901 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

ClientSampleId :

PB118222BS

Tot Ion:178 Resp: 1442152

Ion Ratio Lower Upper

178 100

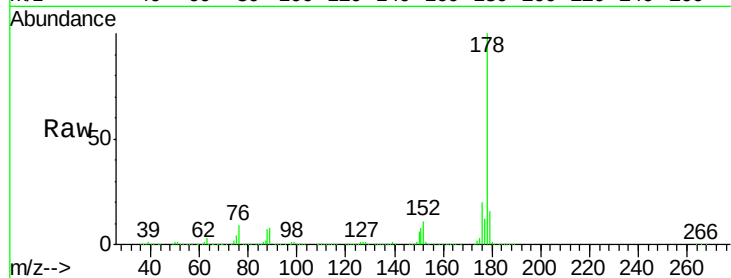
176 20.0 16.3 24.5

179 16.1 12.7 19.1

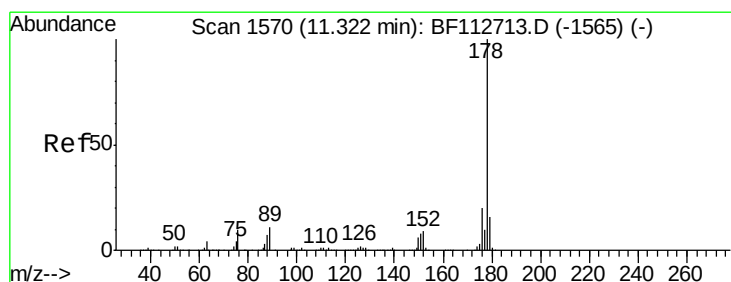
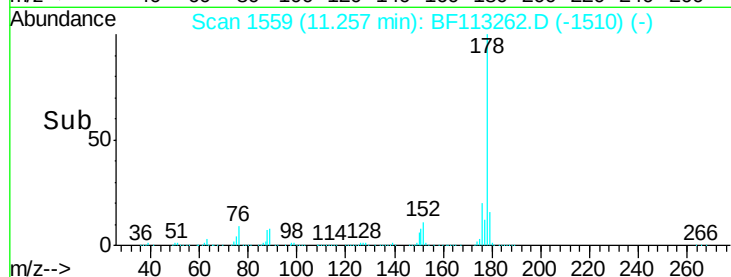
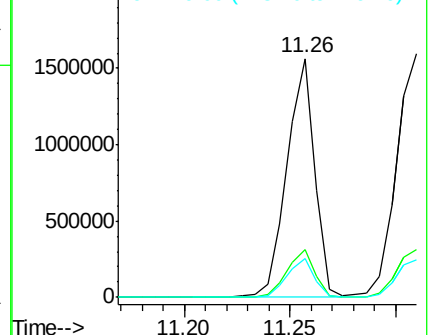
Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 38.516 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

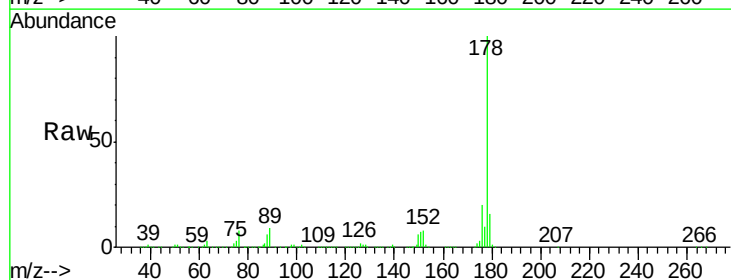
Tgt Ion:178 Resp: 1494679

Ion Ratio Lower Upper

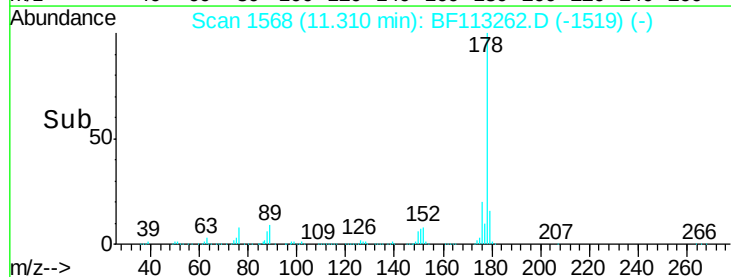
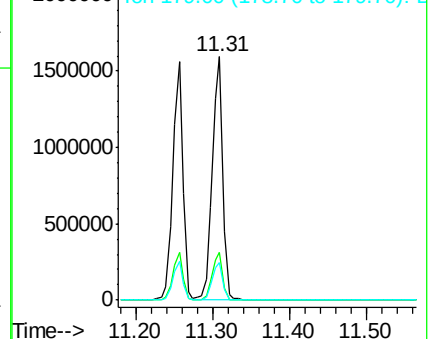
178 100

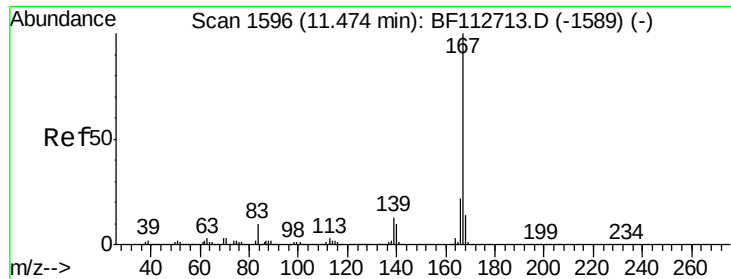
176 19.7 15.8 23.6

179 15.7 13.0 19.6



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: 37.650 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

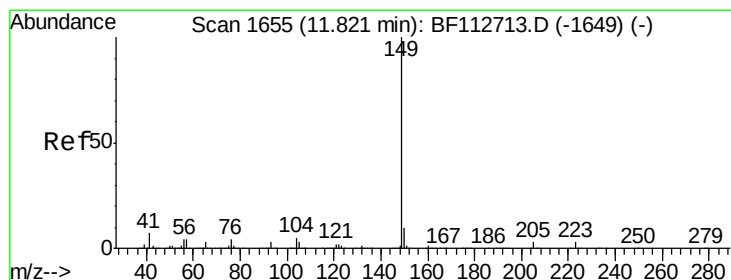
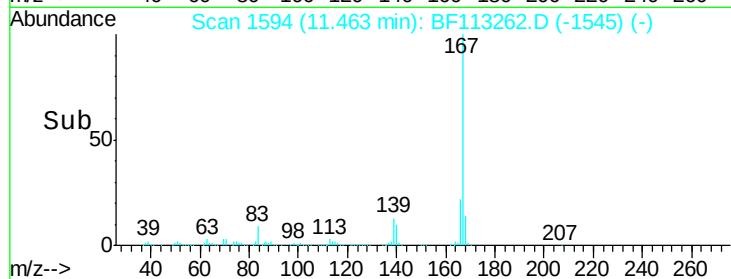
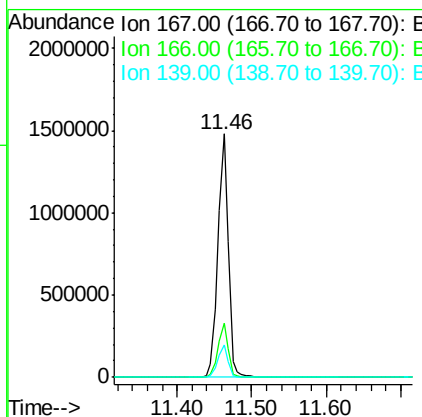
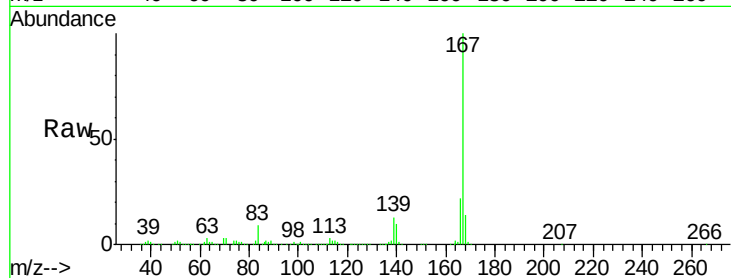
ClientSampleId :

PB118222BS

Tot Ion:	167	Resp:	1425318
Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.5	26.3
139	13.2	10.8	16.2

Manual Integrations
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#74

Di-n-butylphthalate

Concen: 37.647 ng

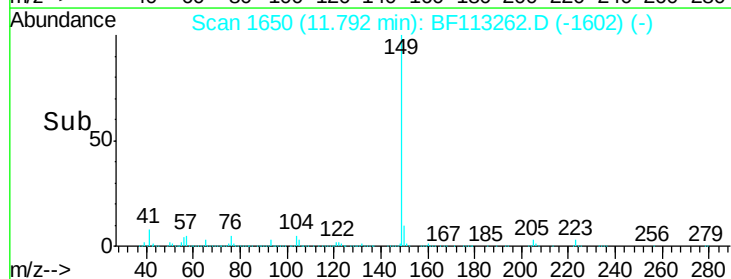
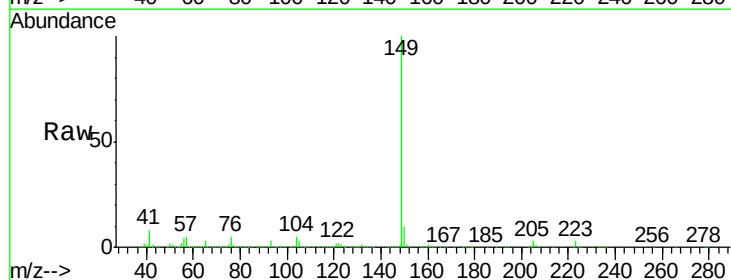
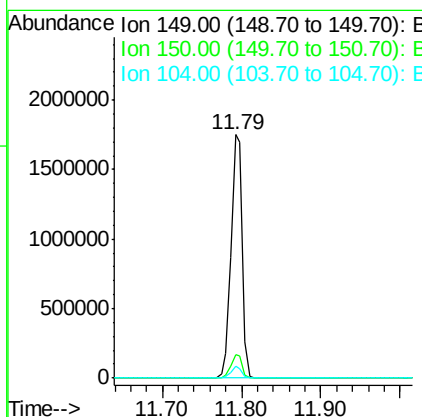
RT: 11.79 min Scan# 1650

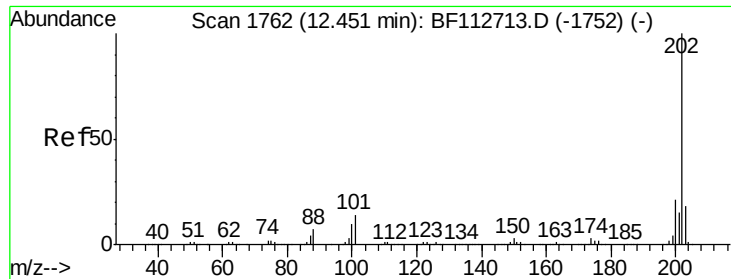
Delta R.T. -0.02 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Tgt Ion:	149	Resp:	1708860
Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.6	11.4
104	4.8	3.7	5.5





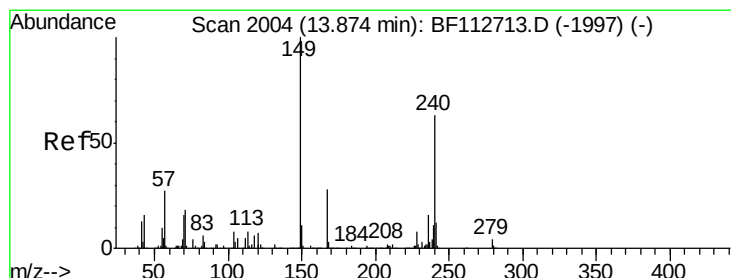
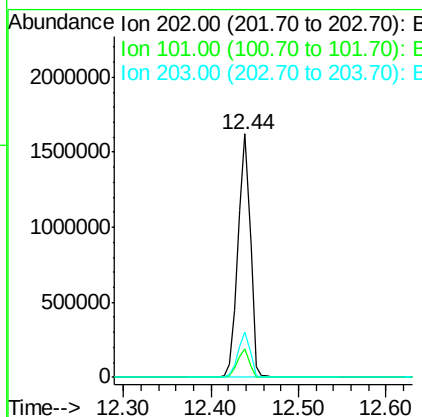
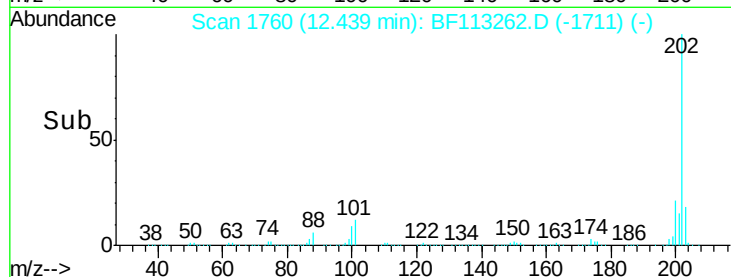
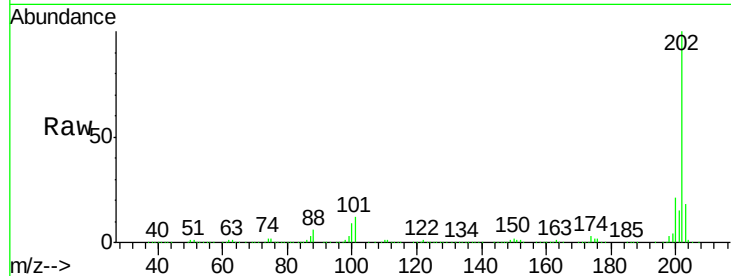
#75
Fluoranthene
Concen: 38.134 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.8
203	18.4	0.0	38.4

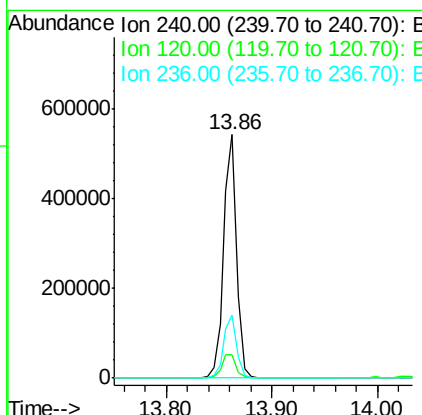
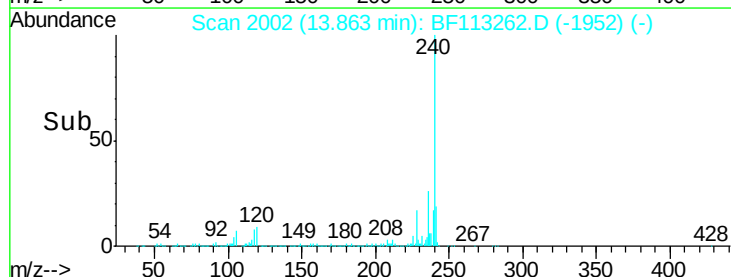
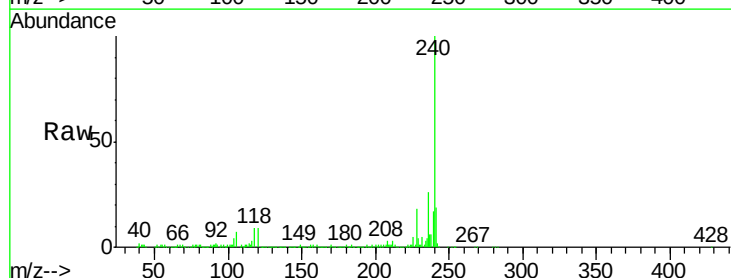
Manual Integrations
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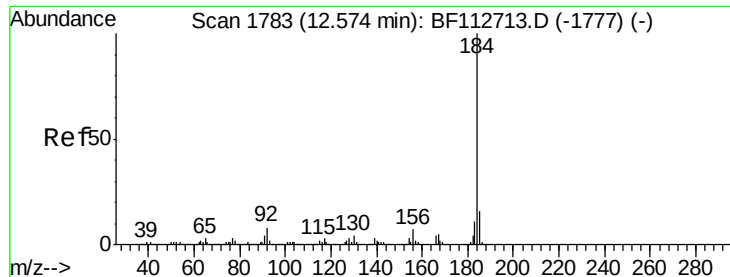
Sohil
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.9	13.3
236	25.7	20.7	31.1





#77

Benzidine

Concen: 19.581 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

ClientSampleId :

PB118222BS

Tot Ion:184 Resp: 474181

Ion Ratio Lower Upper

184 100

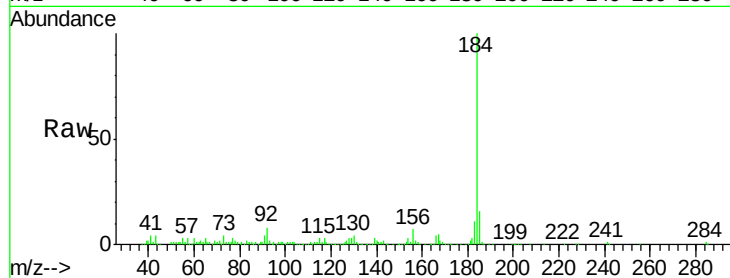
185 15.8 12.6 18.8

183 10.7 8.6 12.8

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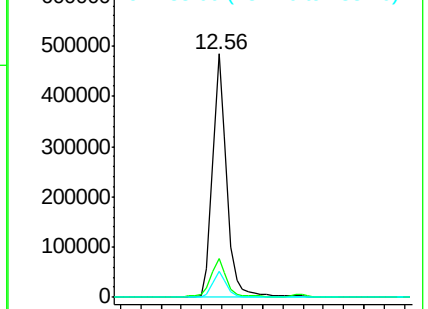
3/26/2019 6:34:47 PM



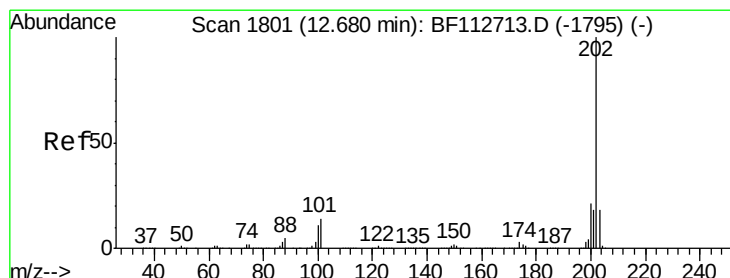
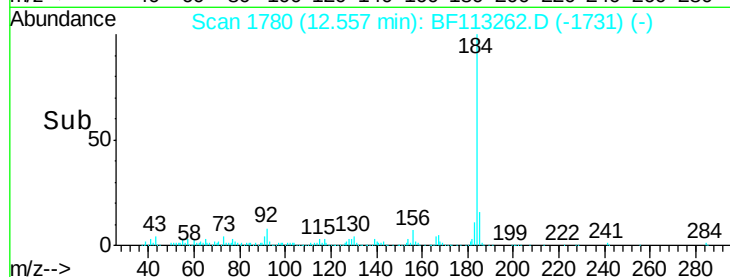
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Pyrene

Concen: 38.110 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

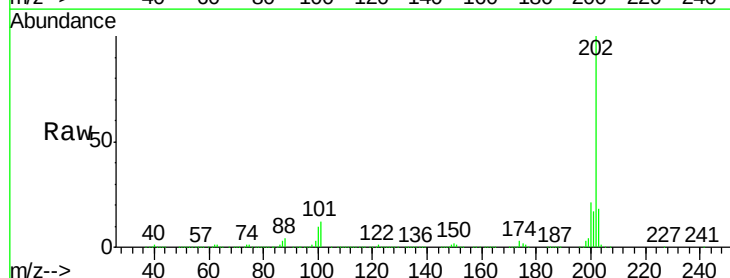
Tgt Ion:202 Resp: 1499616

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

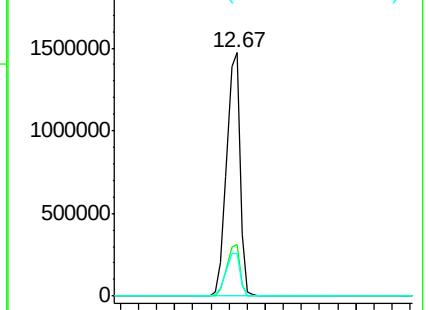
203 17.7 14.4 21.6



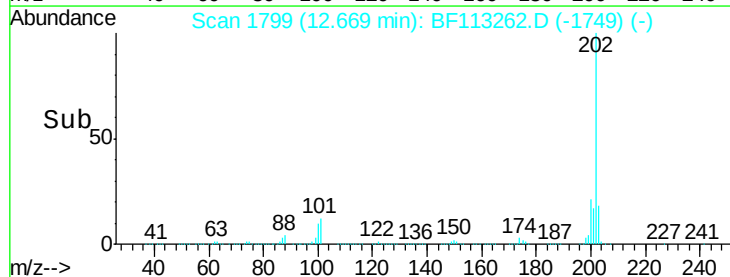
Abundance Ion 202.00 (201.70 to 202.70): E

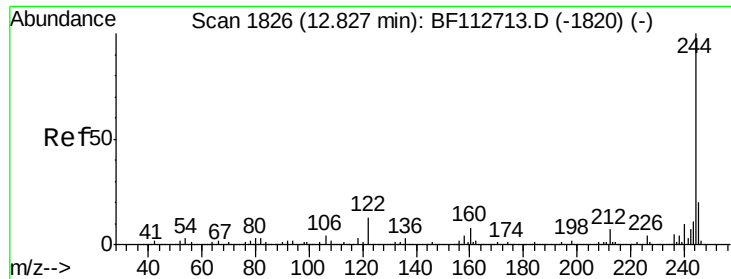
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#79

Terphenyl-d14

Concen: 78.645 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

ClientSampleId :

PB118222BS

Tot Ion:244 Resp: 1893683

Ion Ratio Lower Upper

244 100

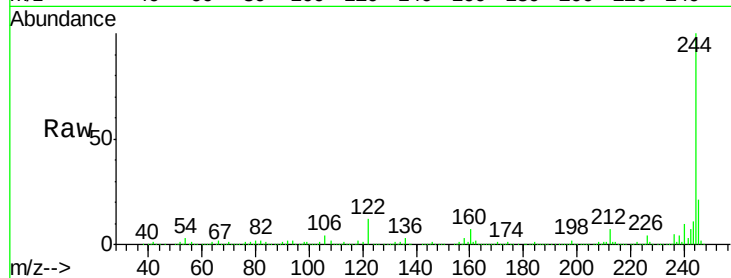
212 7.1 5.6 8.4

122 11.8 10.5 15.7

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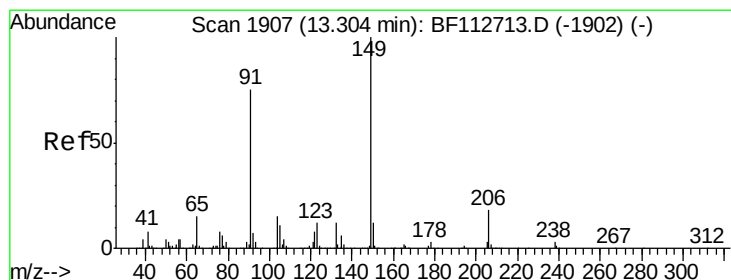
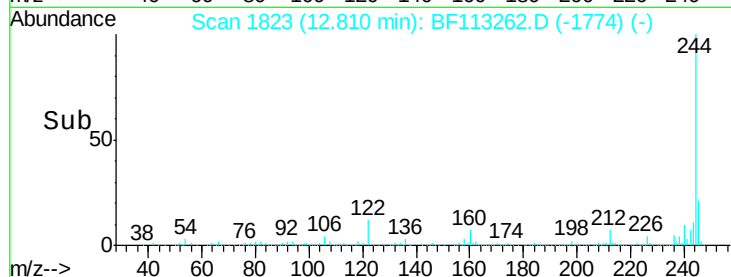
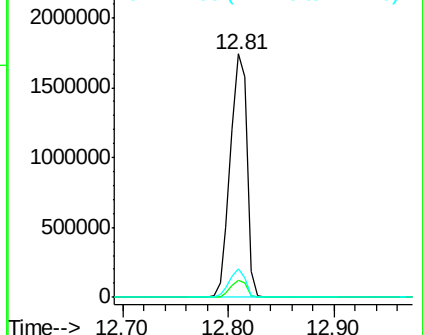
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.265 ng

RT: 13.29 min Scan# 1904

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

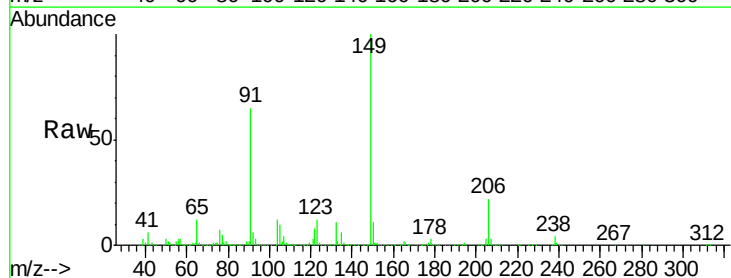
Tgt Ion:149 Resp: 699365

Ion Ratio Lower Upper

149 100

91 64.6 59.9 89.9

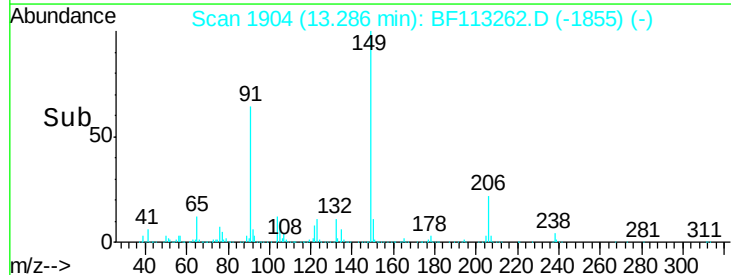
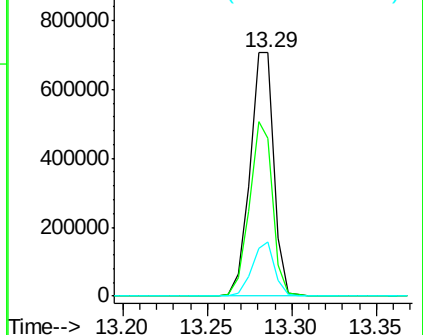
206 22.2 14.7 22.1#

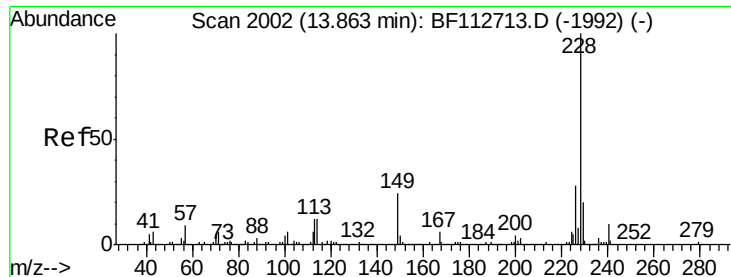


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 32.362 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

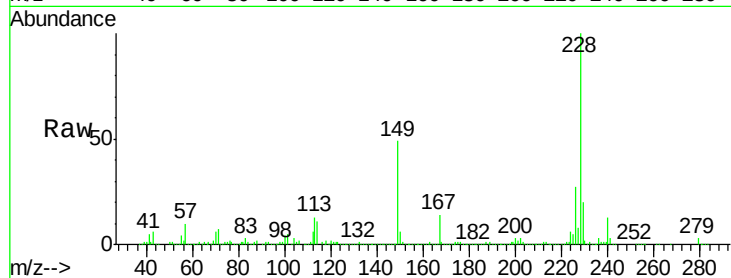
ClientSampled :

PB118222BS

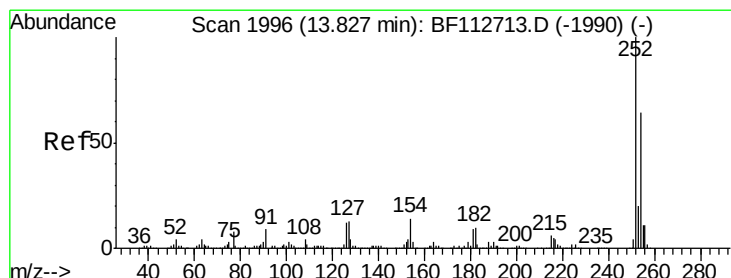
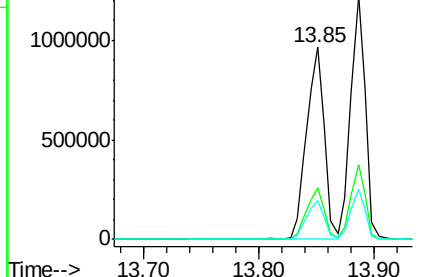
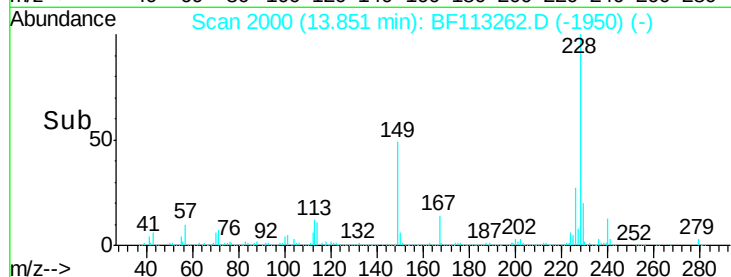
Tot Ion:	228	Resp:	1046909
Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.2	33.4
229	20.1	16.0	24.0

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 26.695 ng

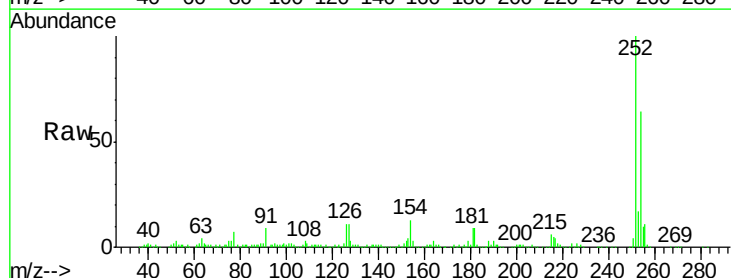
RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

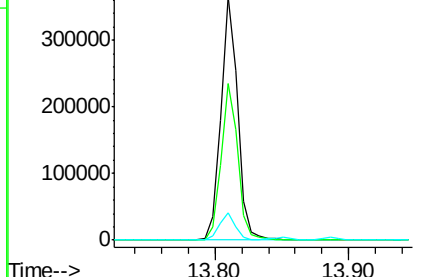
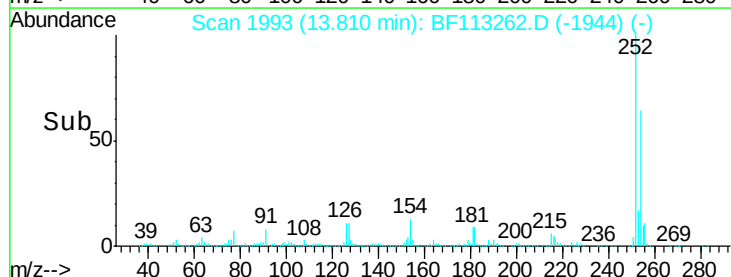
Lab File: BF113262.D

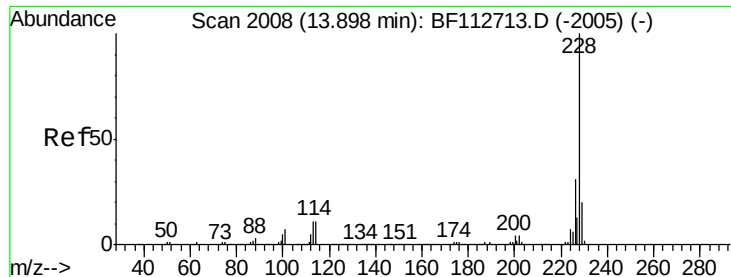
Acq: 24 Mar 2019 12:24

Tgt Ion:	252	Resp:	326614
Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.1	76.7
126	11.0	9.9	14.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 33.854 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

Instrument :

BNA_F

ClientSampleId :

PB118222BS

Tot Ion:228 Resp: 1072778

Ion Ratio Lower Upper

228 100

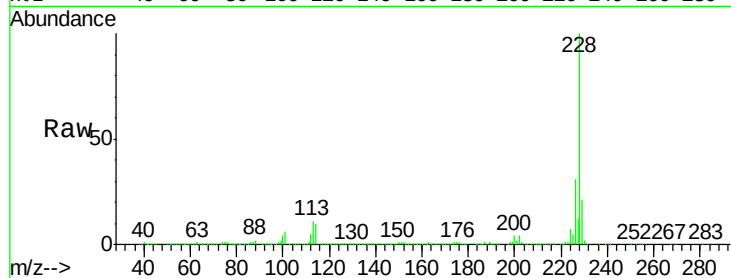
226 30.6 24.9 37.3

229 20.5 16.3 24.5

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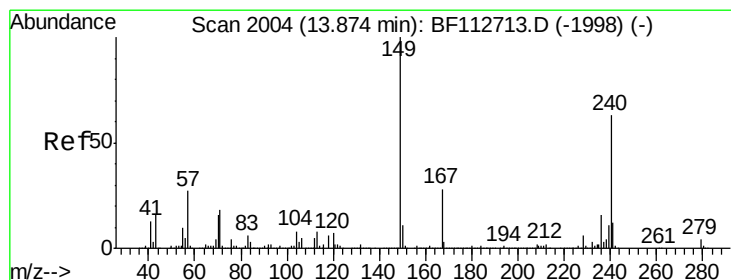
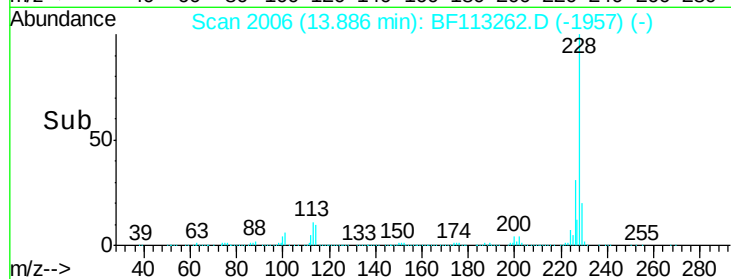
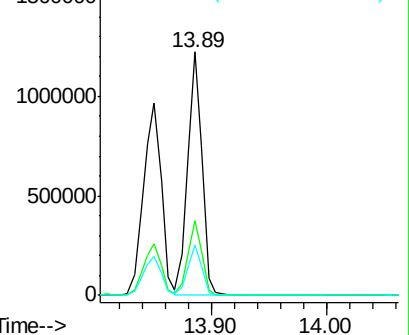
3/26/2019 6:34:47 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.384 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF113262.D

Acq: 24 Mar 2019 12:24

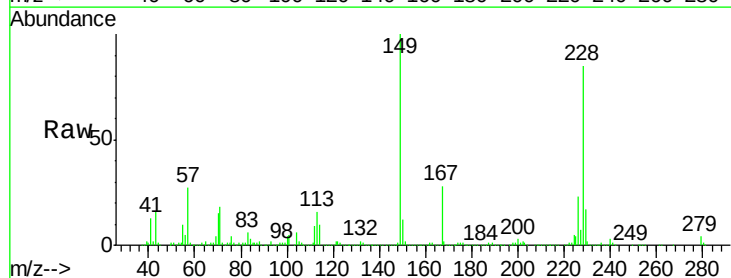
Tgt Ion:149 Resp: 782006

Ion Ratio Lower Upper

149 100

167 28.1 22.4 33.6

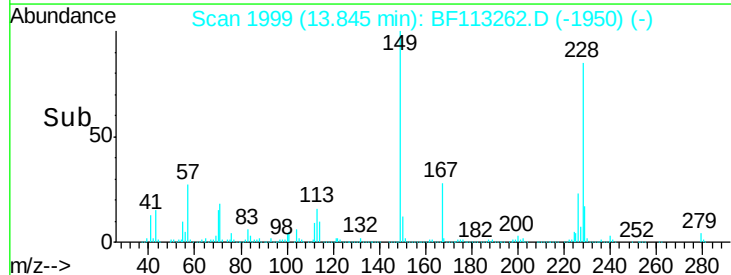
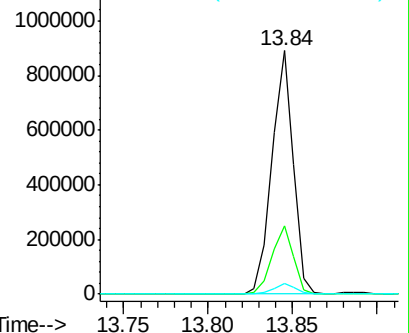
279 4.3 3.3 4.9

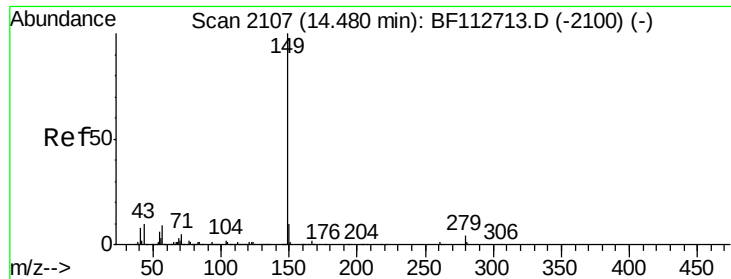


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





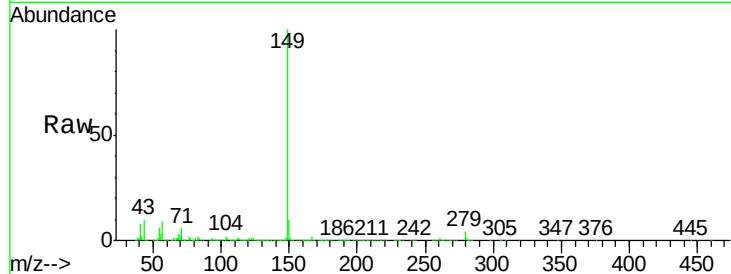
#85
Di-n-octyl phthalate
Concen: 37.264 ng
RT: 14.45 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.8	9.0	13.4

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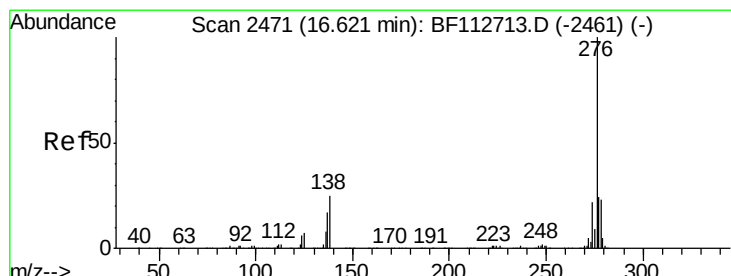
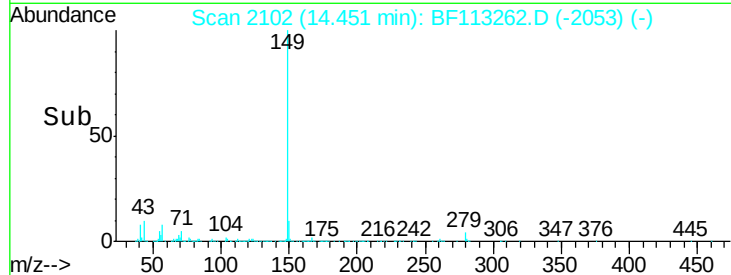
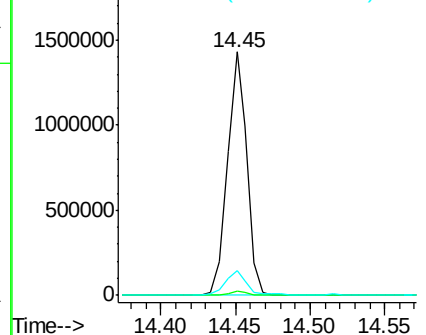


Abundance

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: 47.881 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.00 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

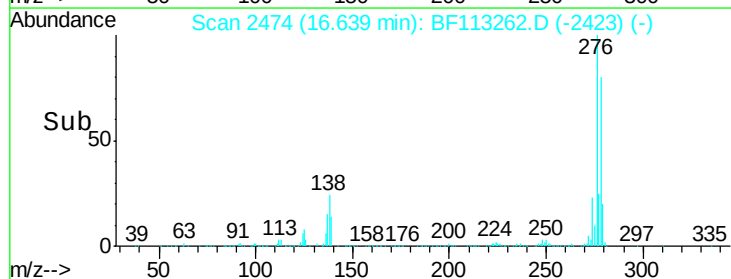
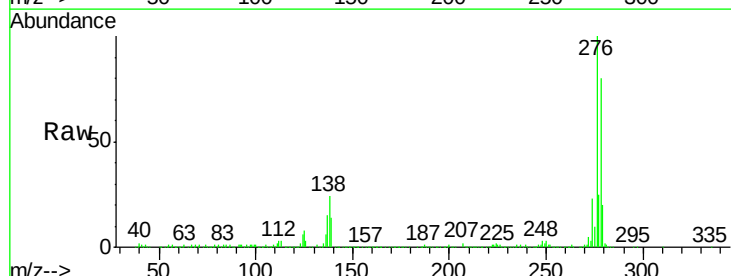
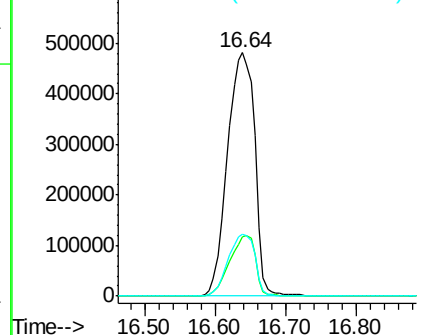
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	23.2	34.8
277	25.1	19.9	29.9

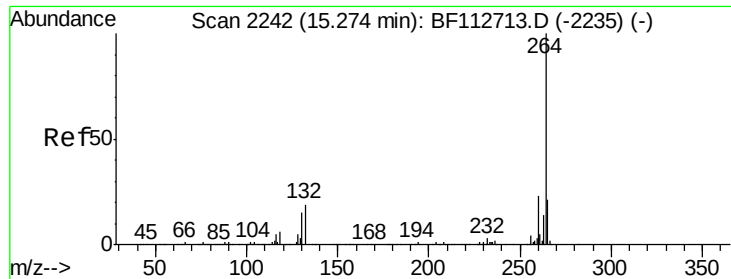
Abundance

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





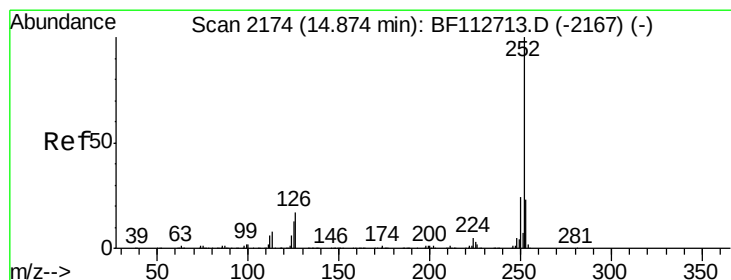
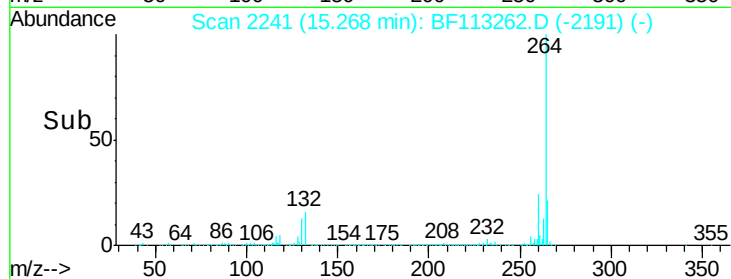
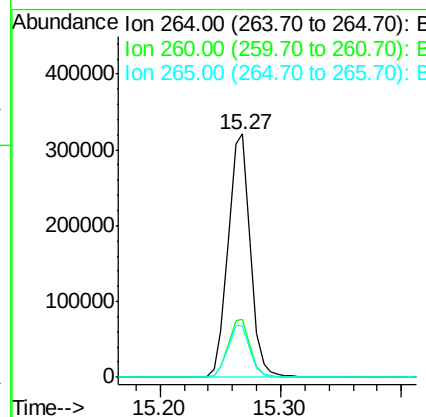
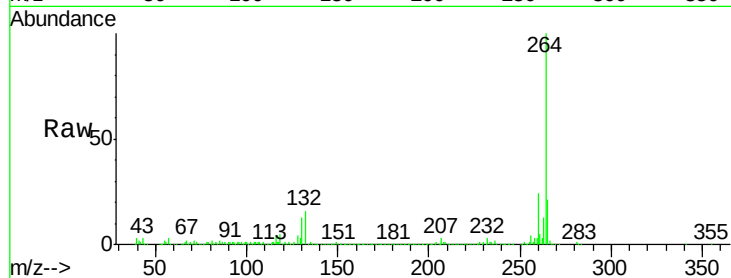
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.2	17.2	25.8

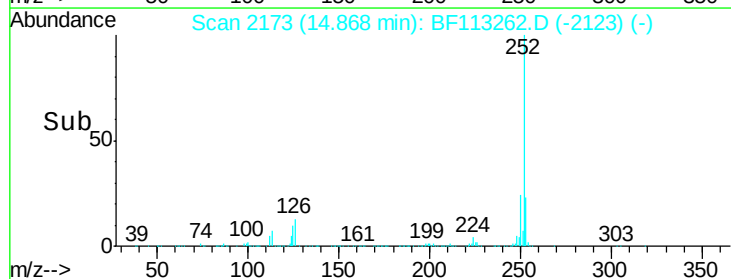
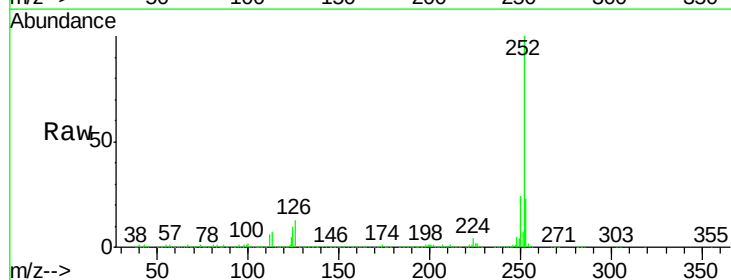
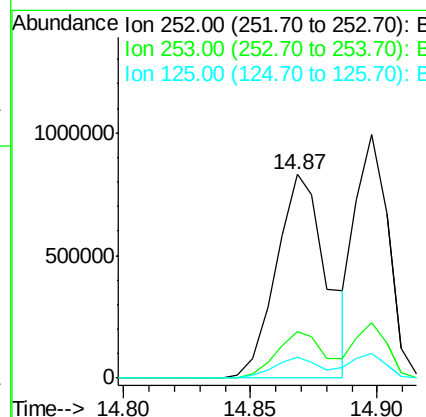
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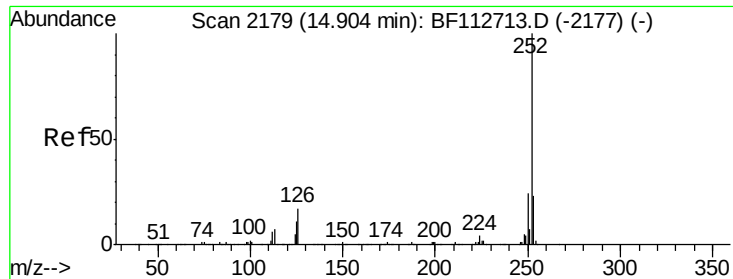
Sohil
3/26/2019 6:34:47 PM



#88
Benzo(b)fluoranthene
Concen: 43.655 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	10.4	10.2	15.2





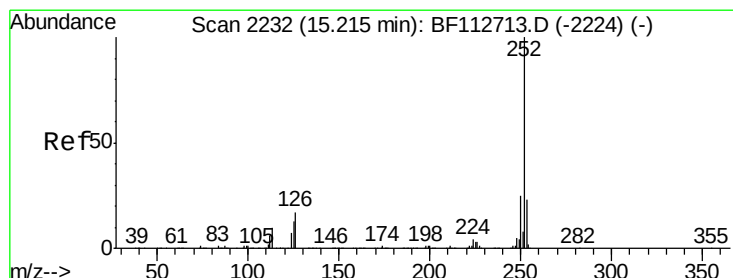
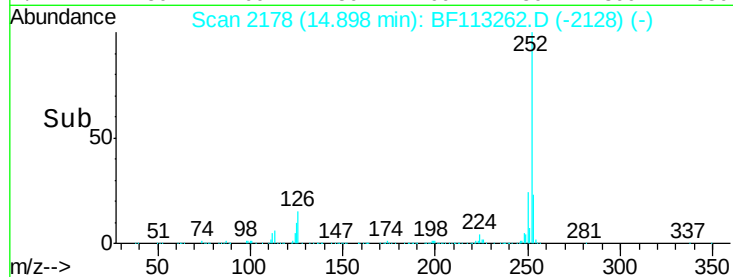
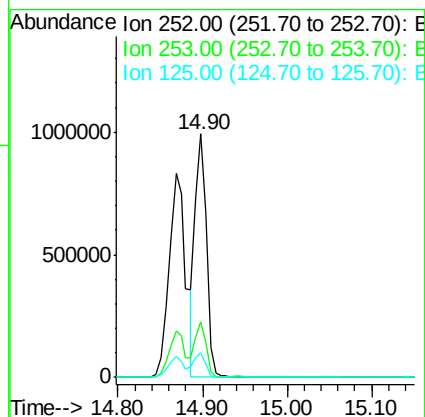
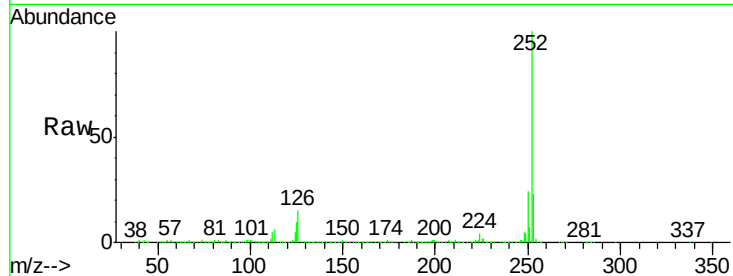
#89
Benzo(k)fluoranthene
Concen: 38.097 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampled :
PB118222BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	9.9	9.8	14.6

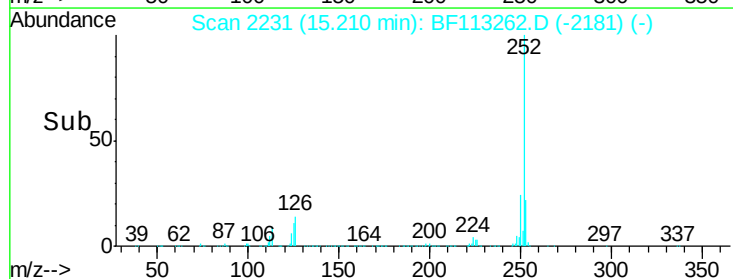
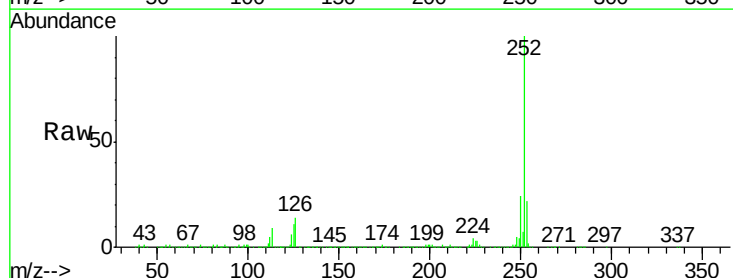
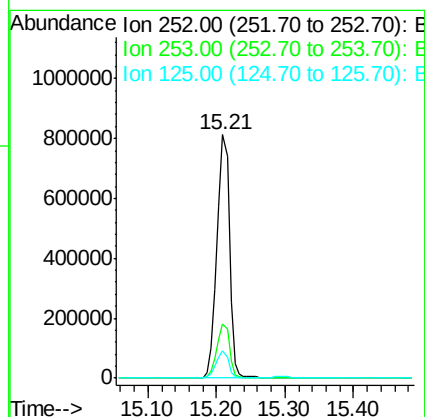
Manual Integrations
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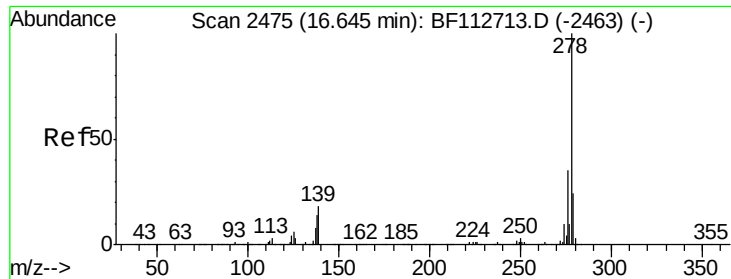
Sohil
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#90
Benzo(a)pyrene
Concen: 44.156 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.1	10.7	16.1





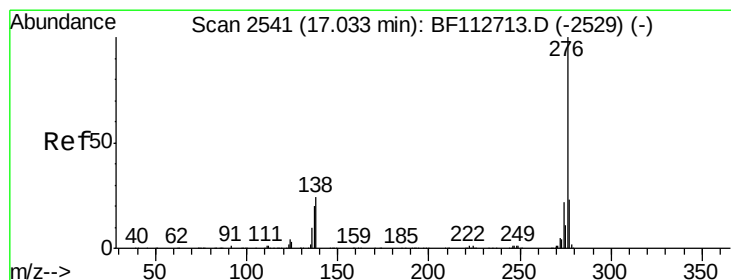
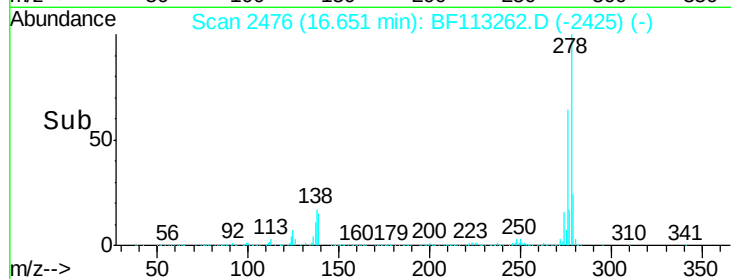
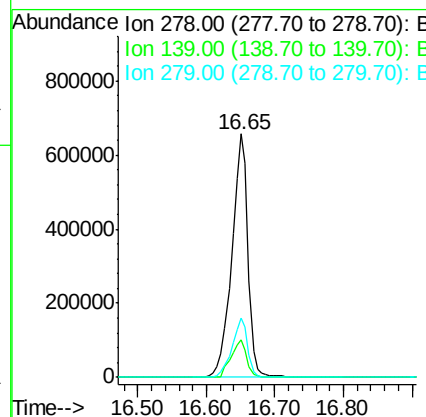
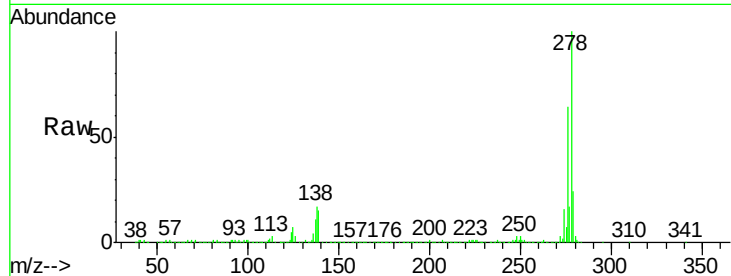
#91
Dibenzo(a,h)anthracene
Concen: 54.254 ng
RT: 16.65 min Scan# 2476
Delta R.T. -0.00 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Instrument :
BNA_F
ClientSampleId :
PB118222BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.4	14.3	21.5
279	24.4	19.4	29.0

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3/26/2019 6:34:47 PM



#92
Benzo(g,h,i)perylene
Concen: 56.607 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.01 min
Lab File: BF113262.D
Acq: 24 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	27.8
138	20.1	19.4	29.0

