

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102750.D
 Acq On : 5 Feb 2018 20:48
 Operator : SJ/JU
 Sample : J1456-03MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)MSD

Quant Time: Feb 06 00:43:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	132789	20.00	ng	0.01
21) Naphthalene-d8	8.17	136	771244	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	340107	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	448251	20.00	ng	0.00
75) Chrysene-d12	14.07	240	213314	20.00	ng	0.02
86) Perylene-d12	15.56	264	230773	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1488696	170.26	ng	0.01
7) Phenol-d6	6.52	99	1596534	151.64	ng	0.02
23) Nitrobenzene-d5	7.46	82	815941	73.39	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	298054	108.88	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1470430	71.74	ng	0.00
78) Terphenyl-d14	13.00	244	756730	84.00	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.70	88	227958	52.783	ng	# 86
3) Pyridine	3.48	79	661130	55.408	ng	87
4) n-Nitrosodimethylamine	3.42	42	350067	68.571	ng	94
6) Aniline	6.56	93	220991	14.214	ng	# 72
8) 2-Chlorophenol	6.68	128	377852	41.975	ng	94
9) Benzaldehyde	6.44	77	185231	23.691	ng	# 74
10) Phenol	6.53	94	650598	57.663	ng	96
11) bis(2-Chloroethyl)ether	6.63	93	429525	45.750	ng	87
12) 1,3-Dichlorobenzene	6.84	146	442705	42.469	ng	98
13) 1,4-Dichlorobenzene	6.91	146	310268	29.879	ng	# 90
14) 1,2-Dichlorobenzene	7.07	146	389499	40.271	ng	# 78
15) Benzyl Alcohol	7.03	79	401161	49.561	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.17	45	512337	28.727	ng	73
17) 2-Methylphenol	7.14	107	370491	44.619	ng	# 94
18) Hexachloroethane	7.41	117	149145	41.885	ng	97
19) n-Nitroso-di-n-propylamine	7.31	70	349029	50.282	ng	# 92
20) 3+4-Methylphenols	7.29	107	429706	41.965	ng	# 84
22) Acetophenone	7.30	105	533528	28.269	ng	# 86
24) Nitrobenzene	7.47	77	441575	33.747	ng	# 96
25) Isophorone	7.71	82	1034833	40.423	ng	# 72
26) 2-Nitrophenol	7.79	139	237057	44.823	ng	# 81
27) 2,4-Dimethylphenol	7.82	122	436601	40.368	ng	98
28) bis(2-Chloroethoxy)methane	7.92	93	581309	38.331	ng	# 91
29) 2,4-Dichlorophenol	8.03	162	444225	45.181	ng	97
30) 1,2,4-Trichlorobenzene	8.12	180	399466	35.914	ng	98
31) Naphthalene	8.20	128	1472777	39.085	ng	99
32) Benzoic acid	7.89	122	70738	17.180	ng	# 42
33) 4-Chloroaniline	8.24	127	219409	13.516	ng	96
34) Hexachlorobutadiene	8.31	225	216078	37.911	ng	99
35) Caprolactam	8.65	113	26037	7.625	ng	# 1
36) 4-Chloro-3-methylphenol	8.72	107	510227	46.186	ng	99
37) 2-Methylnaphthalene	8.88	142	1020815	41.378	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.05	216	372910	40.269	ng	99
40) Hexachlorocyclopentadiene	9.03	237	72170	16.394	ng	96

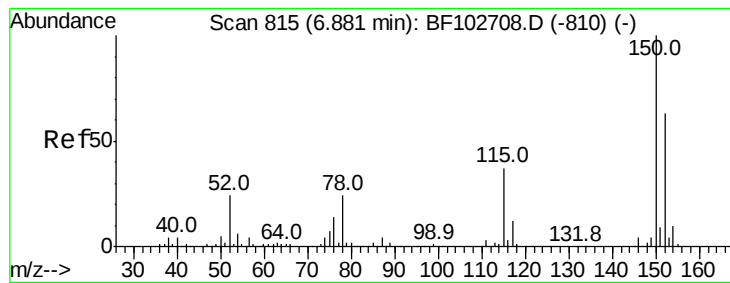
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.16	196	289825	47.649	ng	99
43) 2,4,5-Trichlorophenol	9.20	196	301887	44.035	ng	97
45) 1,1'-Biphenyl	9.35	154	1104692	38.563	ng	98
46) 2-Chloronaphthalene	9.37	162	860005	38.134	ng	97
47) 2-Nitroaniline	9.46	65	342833	49.172	ng	88
48) Acenaphthylene	9.79	152	1254165	35.805	ng	99
49) Dimethylphthalate	9.65	163	1135326	42.812	ng	99
50) 2,6-Dinitrotoluene	9.71	165	225374	44.670	ng	93
51) Acenaphthene	9.96	154	763214	36.434	ng	99
52) 3-Nitroaniline	9.87	138	188704	30.397	ng	96
53) 2,4-Dinitrophenol	9.97	184	13716	21.024	ng #	43
54) Dibenzofuran	10.13	168	1090646	36.945	ng	98
55) 4-Nitrophenol	10.03	139	391920	76.983	ng	97
56) 2,4-Dinitrotoluene	10.11	165	271583	40.640	ng #	96
57) Fluorene	10.47	166	802522	37.364	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.25	232	211037	44.414	ng #	97
59) Diethylphthalate	10.35	149	888229	33.921	ng	99
60) 4-Chlorophenyl-phenylether	10.46	204	363047	38.209	ng	96
61) 4-Nitroaniline	10.49	138	225893	38.228	ng	93
62) Azobenzene	10.63	77	862362	32.966	ng	94
64) 4,6-Dinitro-2-methylphenol	10.52	198	16997	17.007	ng #	49
65) n-Nitrosodiphenylamine	10.59	169	774249	48.969	ng	98
66) 4-Bromophenyl-phenylether	10.96	248	219074	46.202	ng	93
67) Hexachlorobenzene	11.03	284	208451	39.850	ng #	90
68) Atrazine	11.11	200	201492	43.197	ng	97
69) Pentachlorophenol	11.22	266	222328	72.404	ng	99
70) Phenanthrene	11.44	178	1227810	49.182	ng	100
71) Anthracene	11.49	178	1005697	39.608	ng	99
72) Carbazole	11.64	167	902883	36.296	ng	99
73) Di-n-butylphthalate	11.97	149	1141426	37.774	ng	99
74) Fluoranthene	12.64	202	1019470	40.588	ng	99
76) Benzidine	12.75	184	234746	23.944	ng #	94
77) Pyrene	12.87	202	976485	58.377	ng	99
79) Butylbenzylphthalate	13.48	149	335185	42.022	ng	98
80) Benzo(a)anthracene	14.06	228	643314	47.953	ng	98
81) 3,3'-Dichlorobenzidine	14.02	252	103171	20.741	ng #	93
82) Chrysene	14.09	228	609071	45.038	ng	99
83) Bis(2-ethylhexyl)phthalate	14.04	149	477018	46.553	ng	98
84) Di-n-octyl phthalate	14.65	149	749081	48.686	ng #	94
85) Indeno(1,2,3-cd)pyrene	17.07	276	650703	58.015	ng	99
87) Benzo(b)fluoranthene	15.12	252	700865	46.843	ng #	87
88) Benzo(k)fluoranthene	15.16	252	539524	37.740	ng #	92
89) Benzo(a)pyrene	15.50	252	619509	46.000	ng #	90
90) Dibenzo(a,h)anthracene	17.09	278	498715	45.623	ng	98
91) Benzo(g,h,i)perylene	17.52	276	549595	51.367	ng	98

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

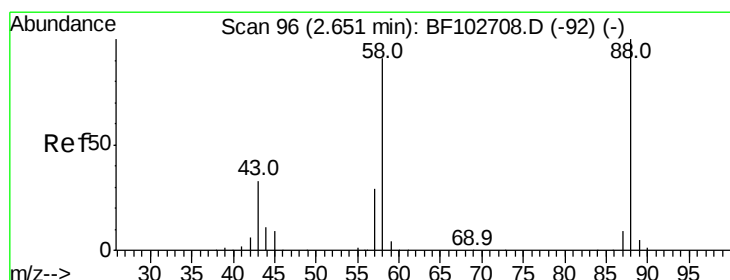
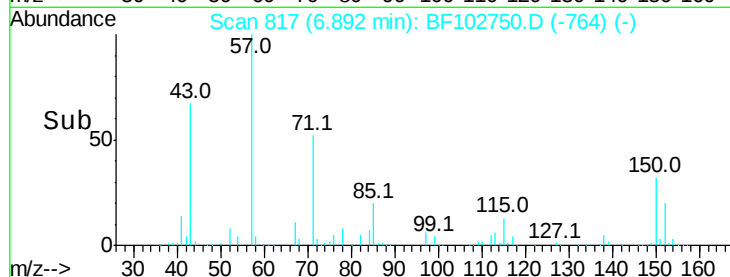
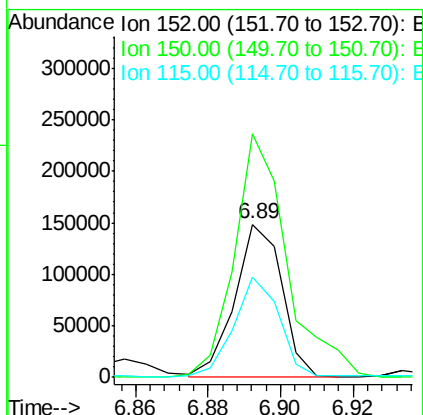
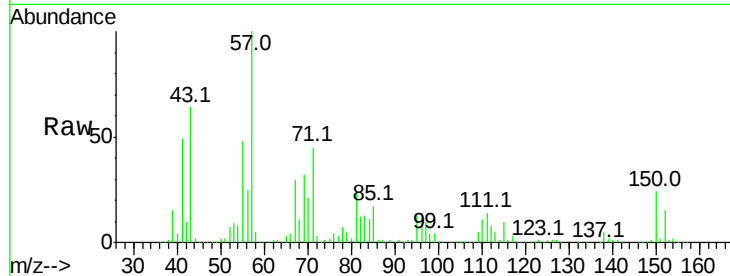


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)MSD

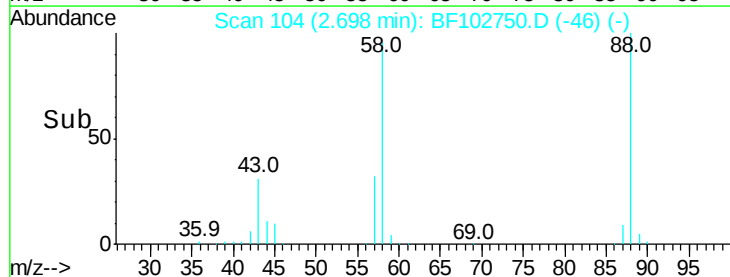
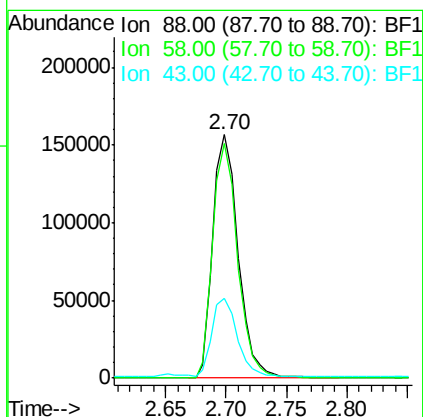
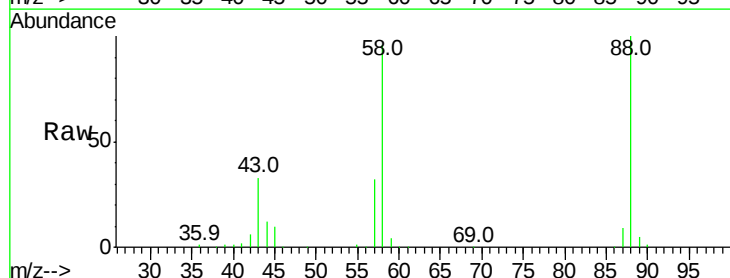
Tot Ion:152 Resp: 132789
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 65.2 50.1 75.1

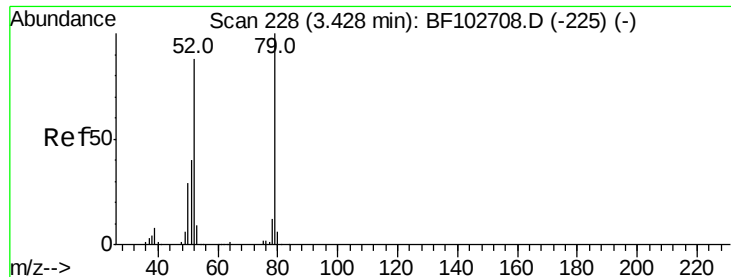


#2

1,4-Dioxane
Concen: 52.783 ng
RT: 2.70 min Scan# 104
Delta R.T. 0.04 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Tgt Ion: 88 Resp: 227958
Ion Ratio Lower Upper
88 100
58 95.0 62.6 93.8#
43 31.8 24.6 37.0

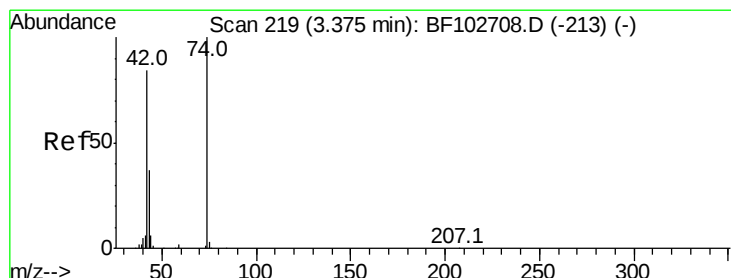
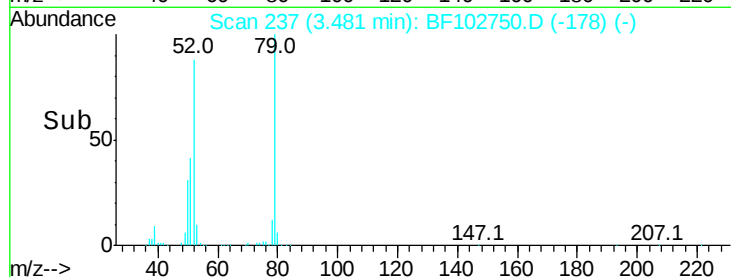
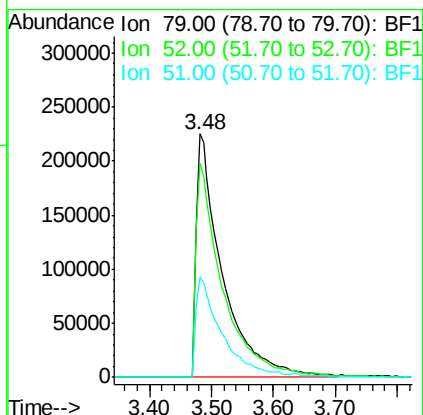
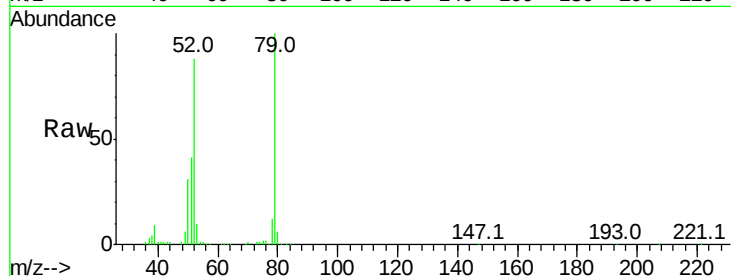




#3
 Pvridine
 Concen: 55.408 ng
 RT: 3.48 min Scan# 237
 Delta R.T. 0.05 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

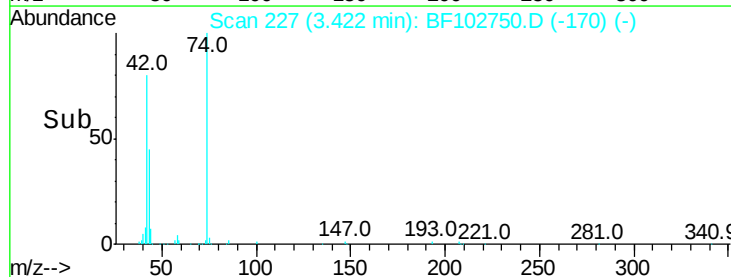
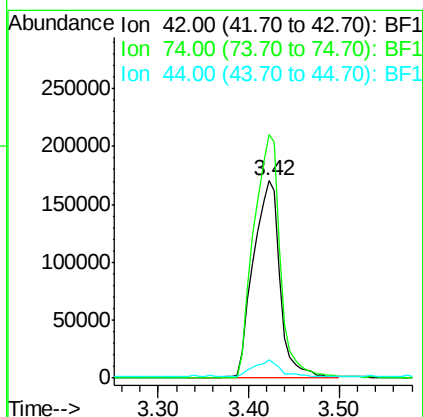
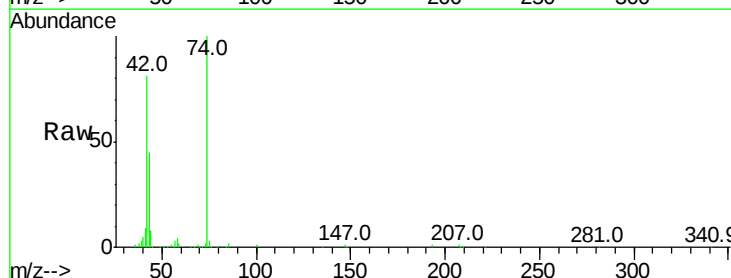
Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)MSD

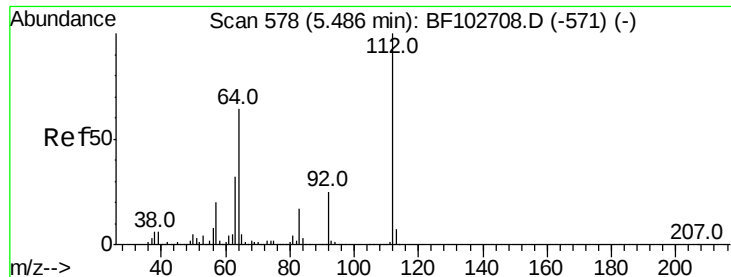
Tot Ion: 79 Resp: 661130
 Ion Ratio Lower Upper
 79 100
 52 88.1 59.8 89.6
 51 41.2 29.8 44.8



#4
 n-Nitrosodimethylamine
 Concen: 68.571 ng
 RT: 3.42 min Scan# 227
 Delta R.T. 0.04 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Tgt Ion: 42 Resp: 350067
 Ion Ratio Lower Upper
 42 100
 74 123.4 104.9 157.3
 44 9.5 6.9 10.3





#5

2-Fluorophenol

Concen: 170.258 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

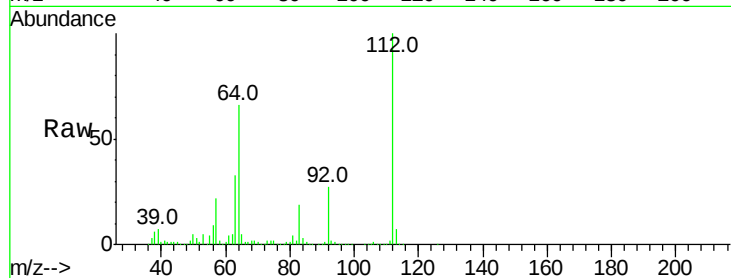
Tot Ion:112 Resp: 1488696

Ion Ratio Lower Upper

112 100

64 65.6 47.9 71.9

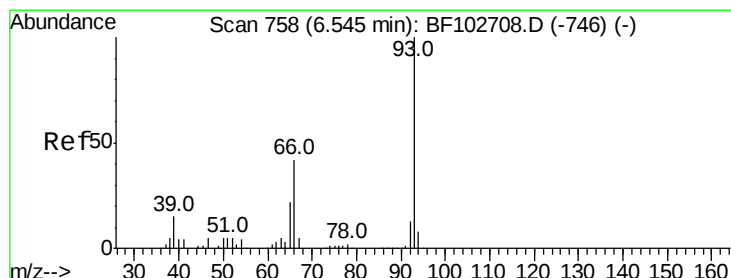
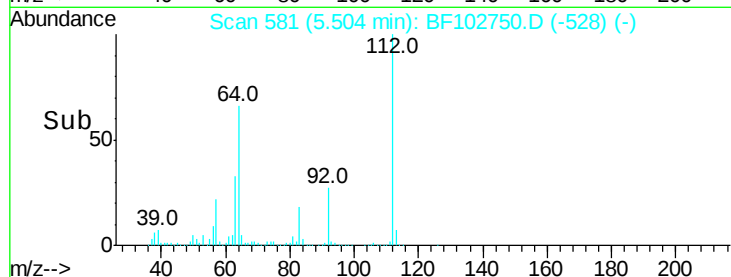
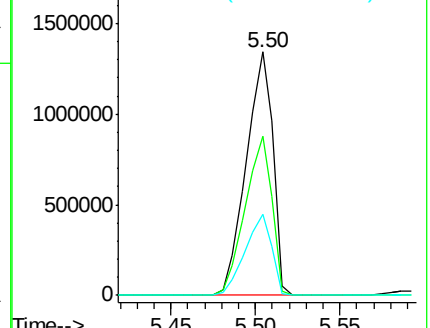
63 33.2 23.7 35.5



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: 14.214 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

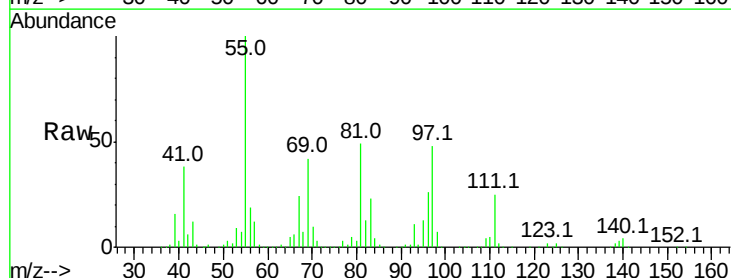
Tgt Ion: 93 Resp: 220991

Ion Ratio Lower Upper

93 100

66 50.5 32.2 48.2#

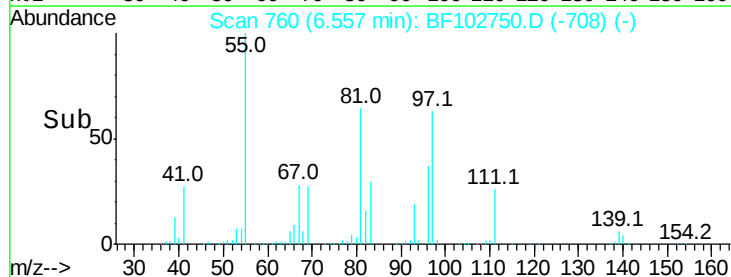
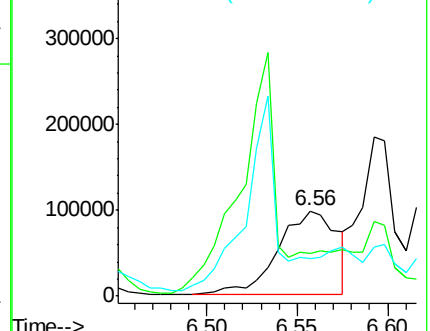
65 43.9 16.4 24.6#

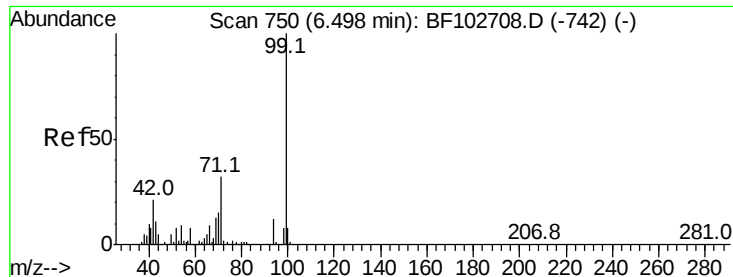


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 151.645 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.02 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

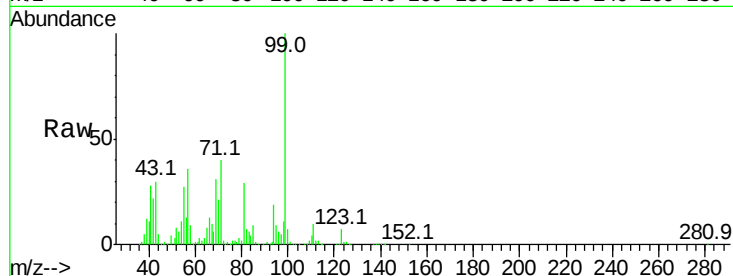
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ClientSampleId :

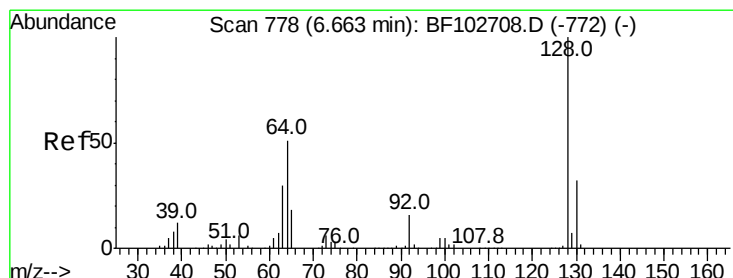
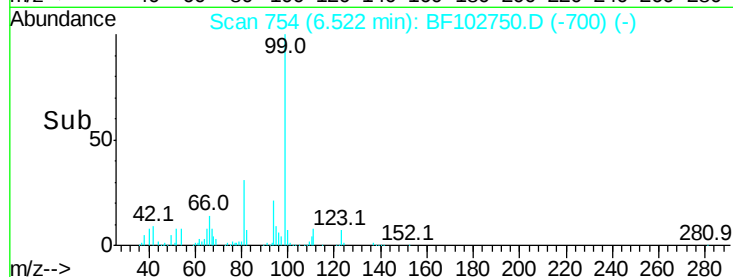
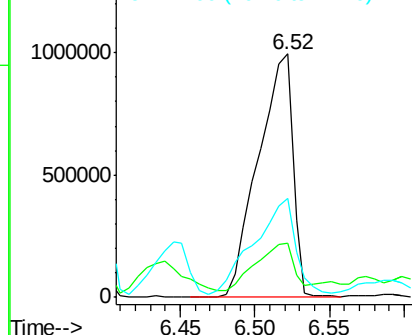
8-SAN-9-WW(1-4)MSD

Tot Ion: 99 Resp: 1596534

Ion	Ratio	Lower	Upper
99	100		
42	22.2	14.5	21.7#
71	40.4	25.4	38.0#



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: 41.975 ng

RT: 6.68 min Scan# 781

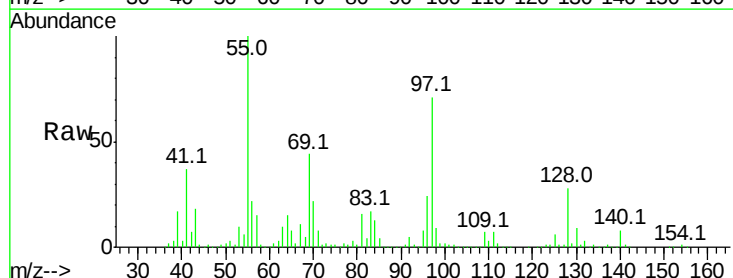
Delta R.T. 0.01 min

Lab File: BF102750.D

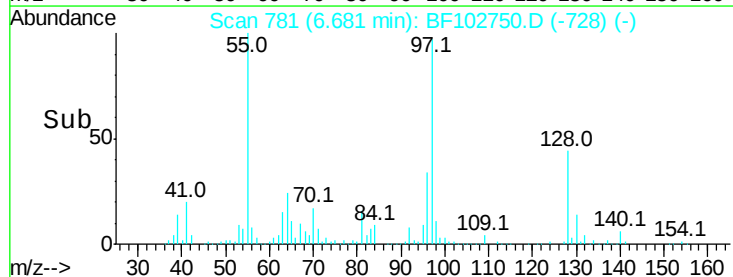
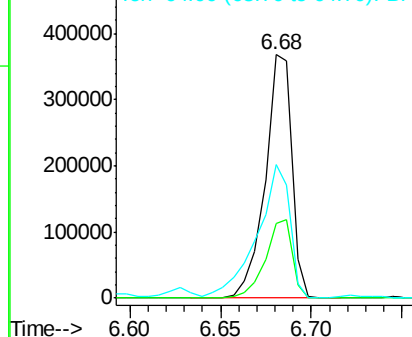
Acq: 5 Feb 2018 20:48

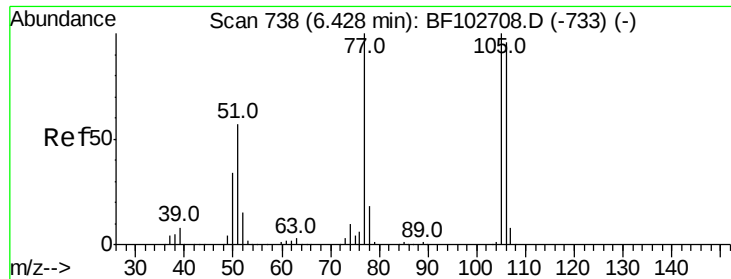
Tgt Ion: 128 Resp: 377852

Ion	Ratio	Lower	Upper
128	100		
130	30.7	13.0	53.0
64	54.7	29.4	69.4



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: 23.691 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

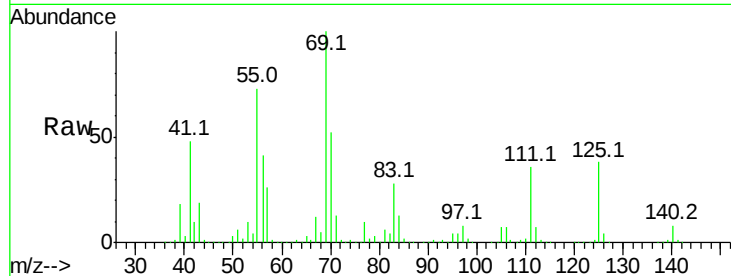
Tot Ion: 77 Resp: 185231

Ion Ratio Lower Upper

77 100

105 75.4 81.1 121.1#

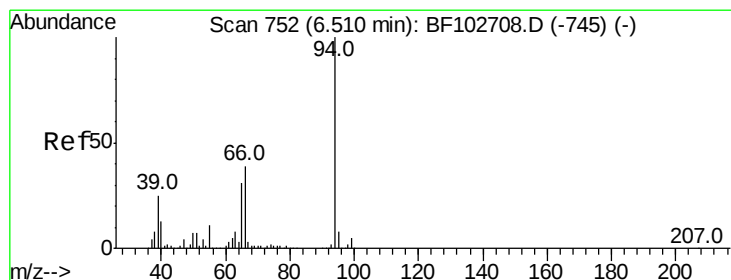
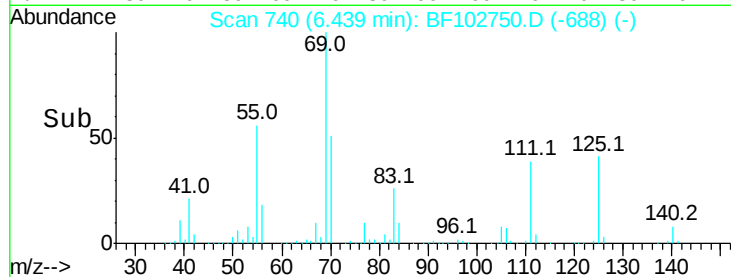
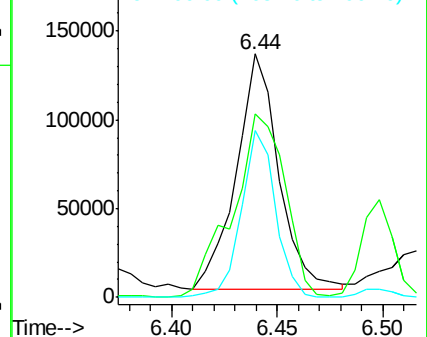
106 68.6 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 57.663 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

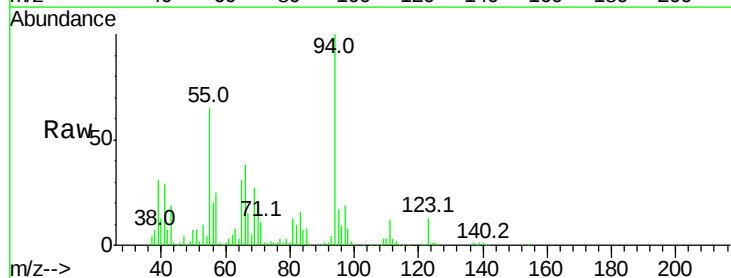
Tgt Ion: 94 Resp: 650598

Ion Ratio Lower Upper

94 100

65 31.2 7.9 47.9

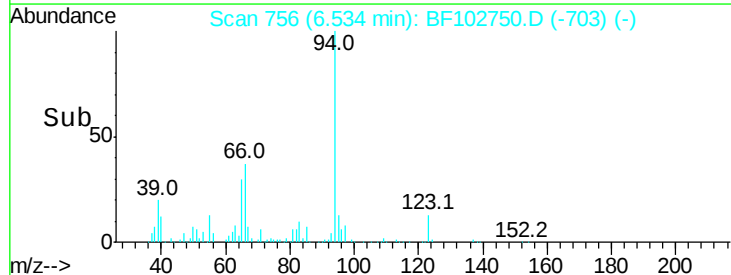
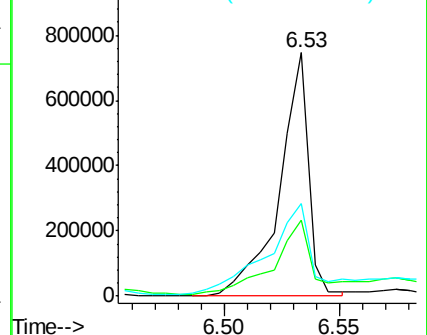
66 38.0 16.2 56.2

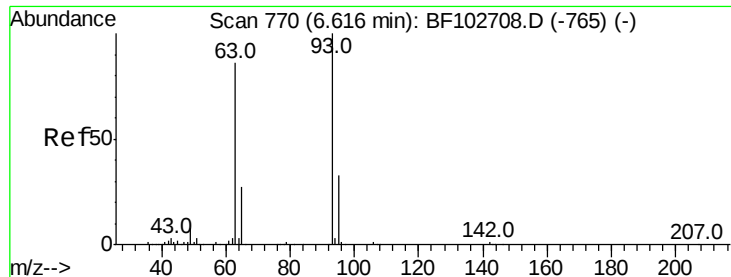


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 45.750 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

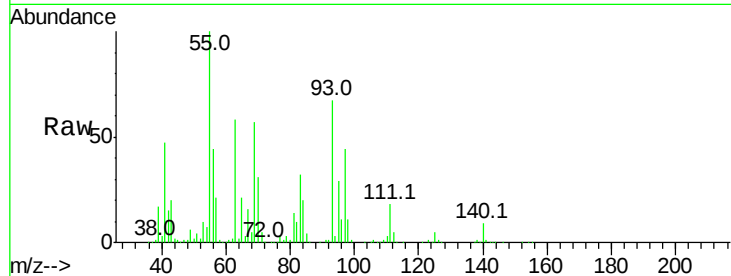
Tot Ion: 93 Resp: 429525

Ion Ratio Lower Upper

93 100

63 87.1 58.6 98.6

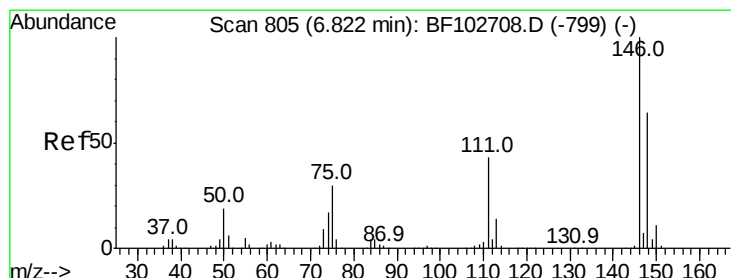
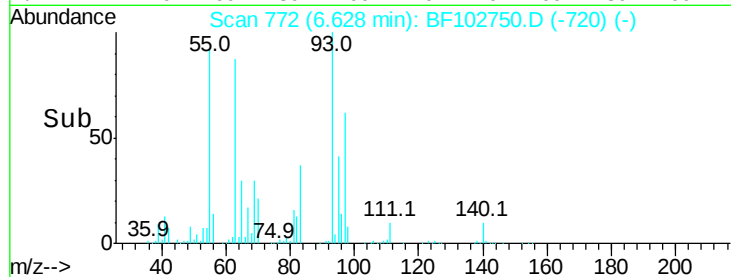
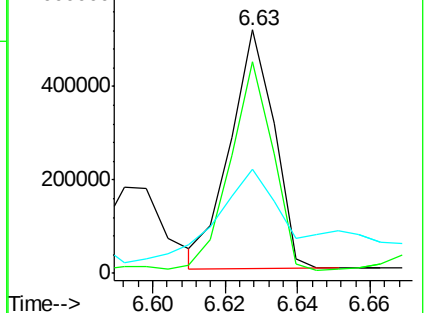
95 42.8 11.8 51.8



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 42.469 ng

RT: 6.84 min Scan# 808

Delta R.T. 0.02 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

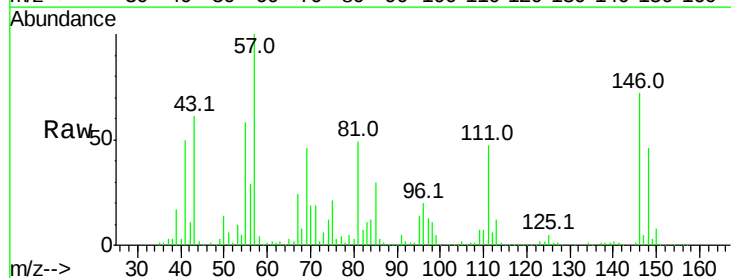
Tgt Ion: 146 Resp: 442705

Ion Ratio Lower Upper

146 100

148 63.5 51.8 77.8

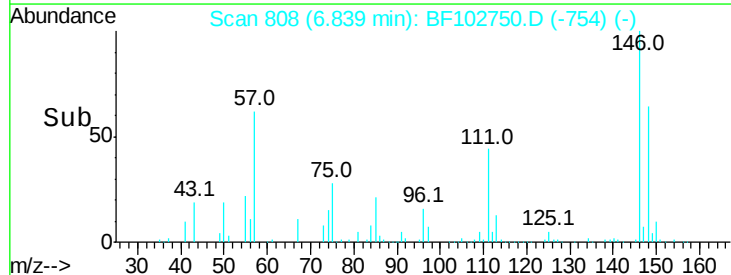
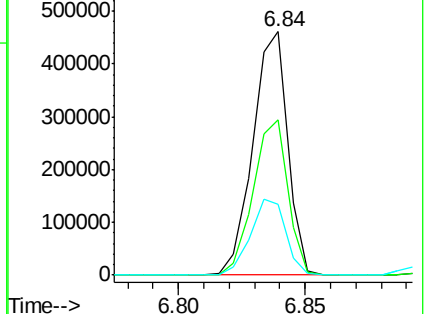
75 29.0 24.2 36.4

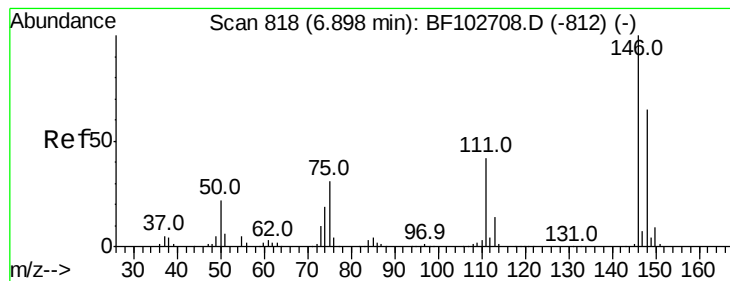


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 29.879 ng

RT: 6.91 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

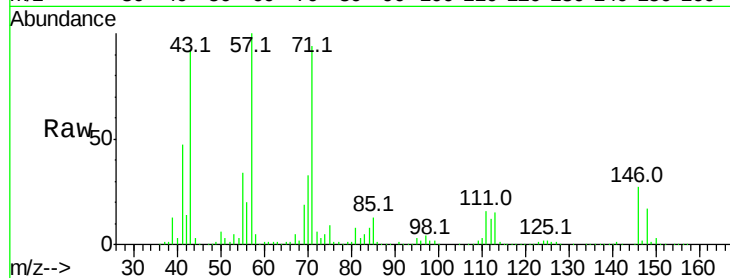
Tot Ion:146 Resp: 310268

Ion Ratio Lower Upper

146 100

148 63.3 50.8 76.2

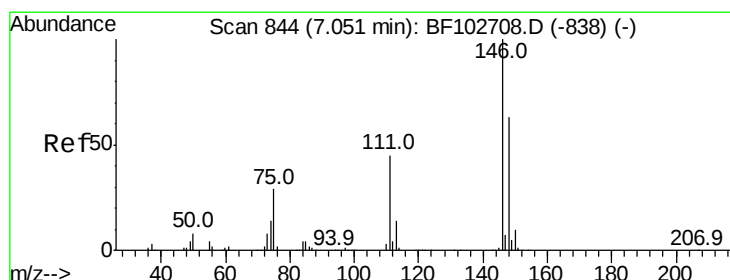
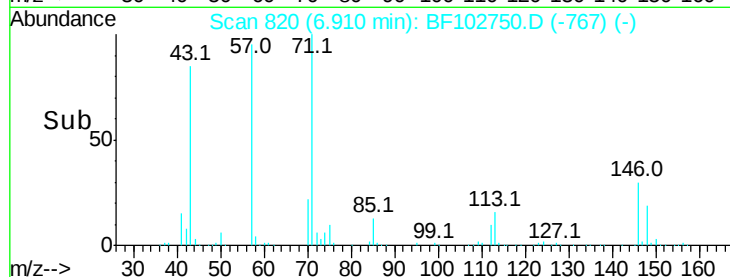
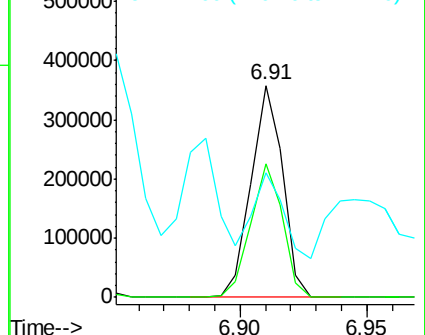
111 58.8 34.2 51.2#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.271 ng

RT: 7.07 min Scan# 847

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

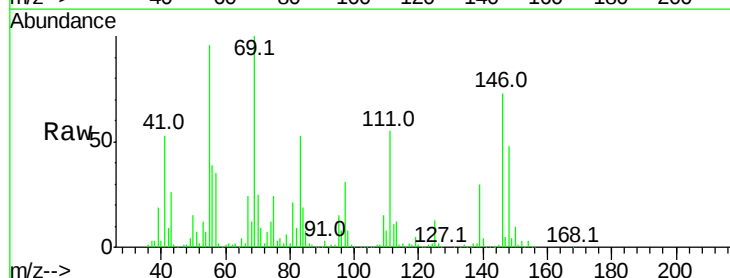
Tgt Ion:146 Resp: 389499

Ion Ratio Lower Upper

146 100

148 65.6 50.6 75.8

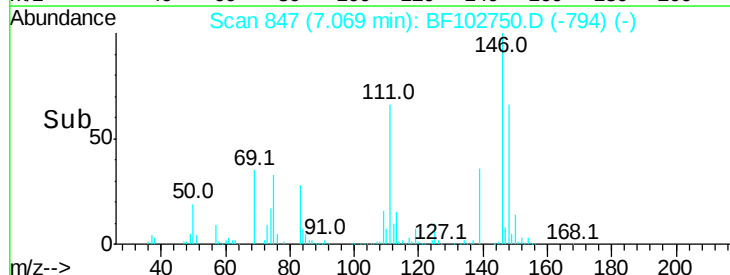
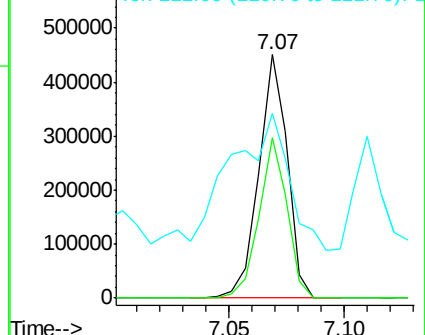
111 76.1 36.0 54.0#

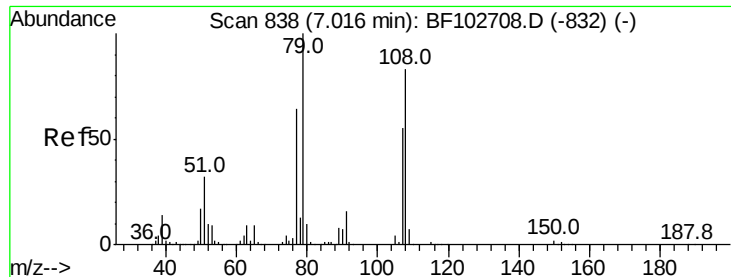


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 49.561 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

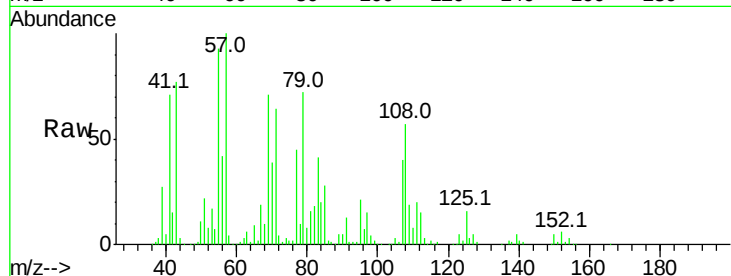
Tot Ion: 79 Resp: 401161

Ion Ratio Lower Upper

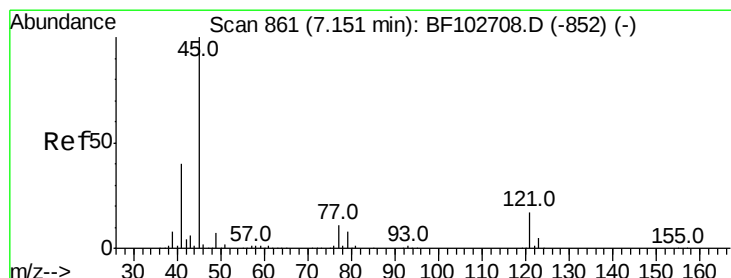
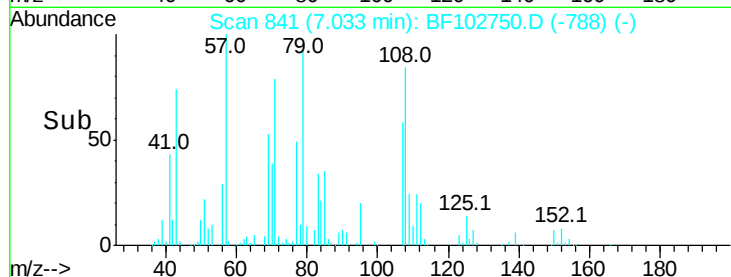
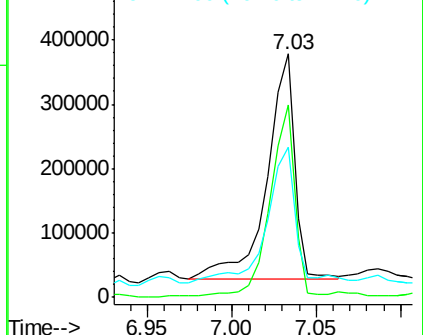
79 100

108 79.1 65.1 97.7

77 61.9 50.6 75.8



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 28.727 ng

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

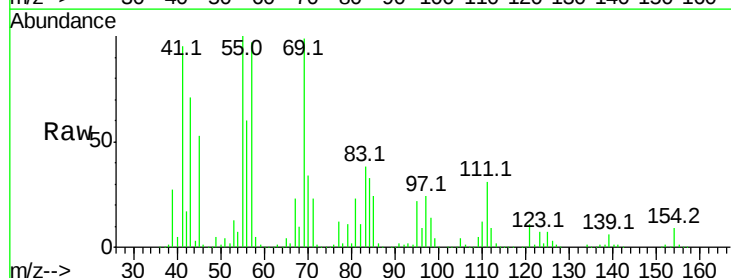
Tgt Ion: 45 Resp: 512337

Ion Ratio Lower Upper

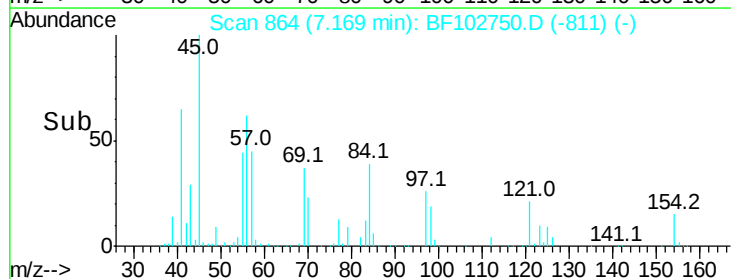
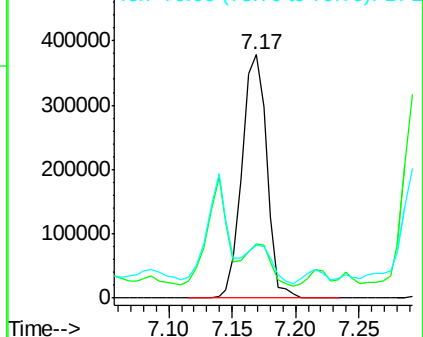
45 100

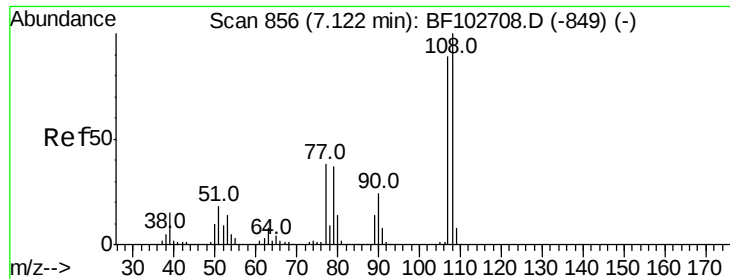
77 22.1 0.0 32.9

79 21.5 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 44.619 ng

RT: 7.14 min Scan# 859

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

Tot Ion:107 Resp: 370491

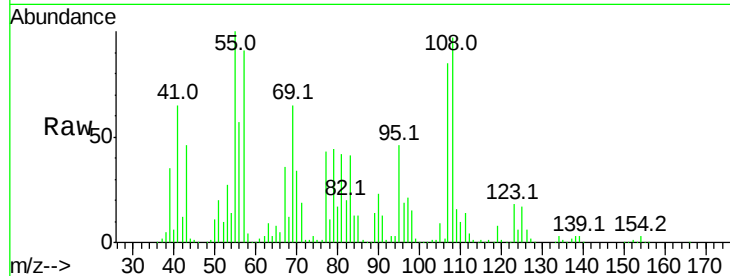
Ion Ratio Lower Upper

107 100

108 114.8 91.7 137.5

77 50.5 33.8 50.8

79 52.3 33.8 50.8#

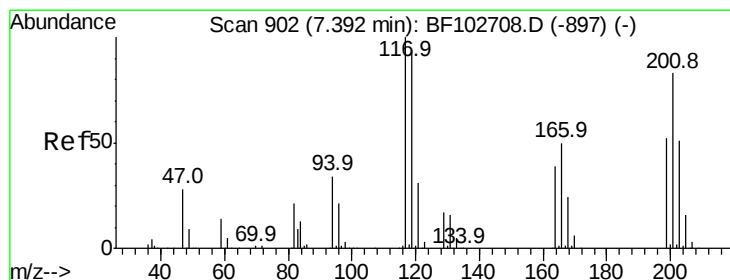
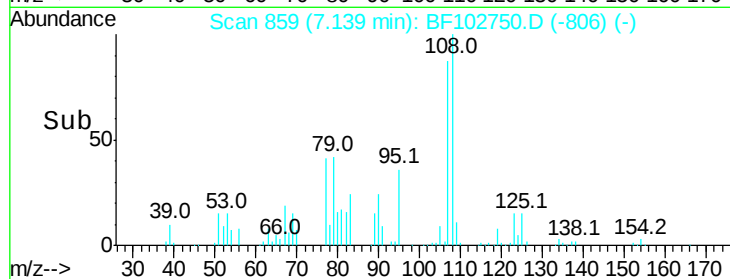
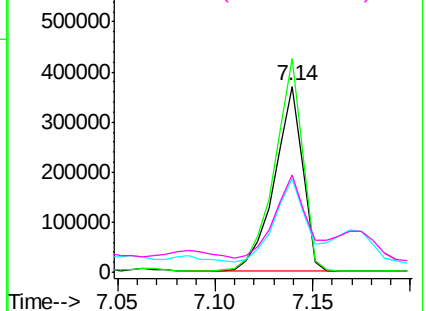


Abundance Ion 107.00 (106.70 to 107.70): E

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: 41.885 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

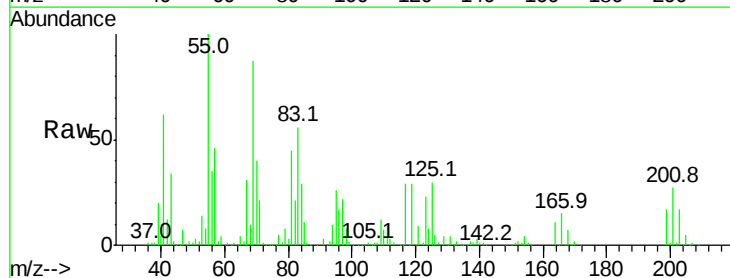
Tgt Ion:117 Resp: 149145

Ion Ratio Lower Upper

117 100

119 99.8 75.8 113.8

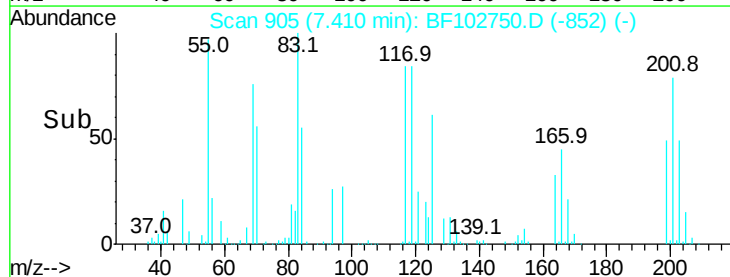
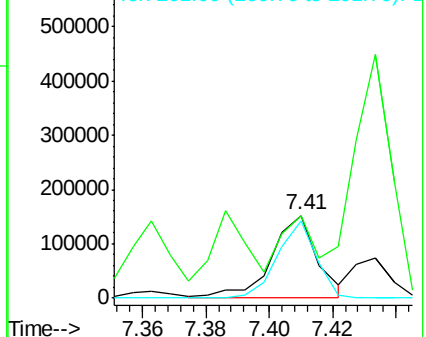
201 93.4 75.7 113.5

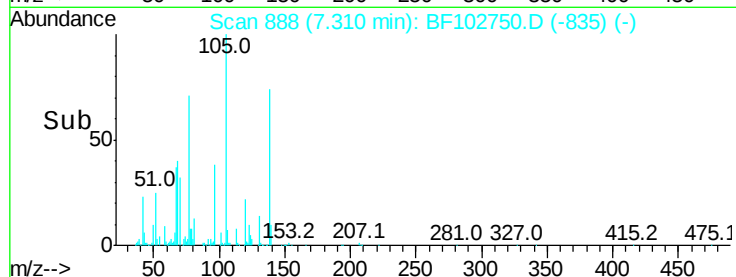
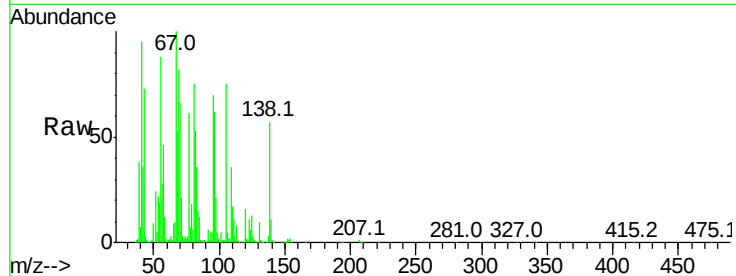
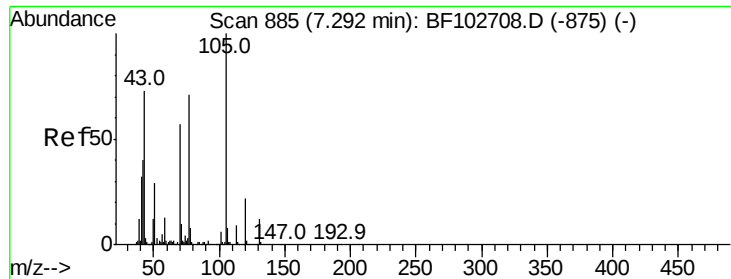


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

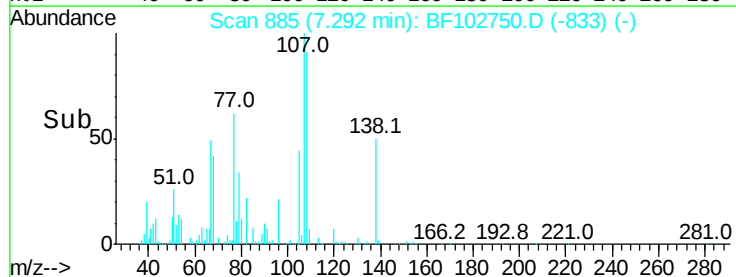
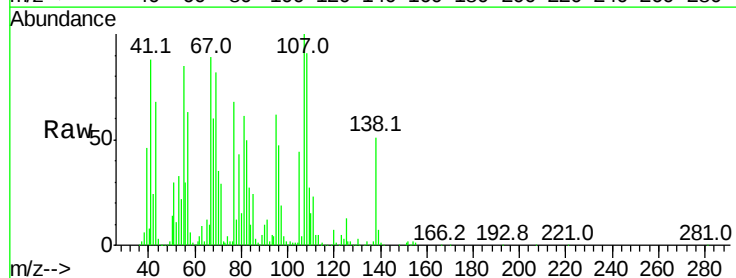
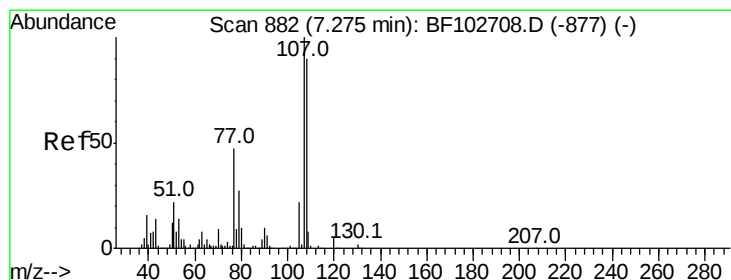
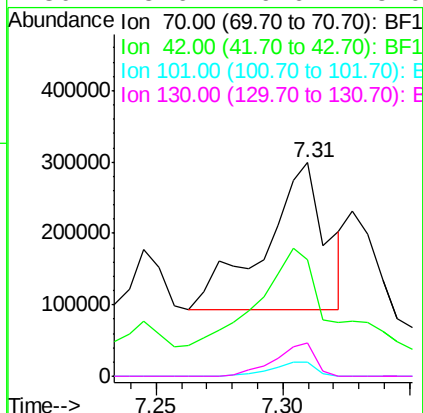




#19
n-Nitroso-di-n-propylamine
Concen: 50.282 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

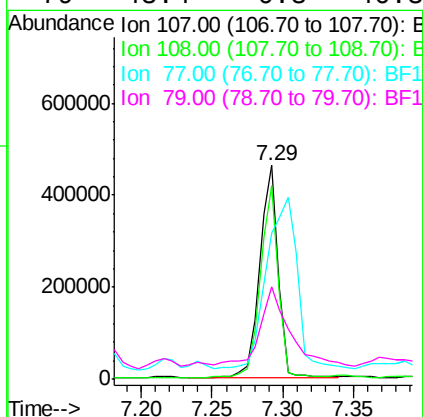
Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)MSD

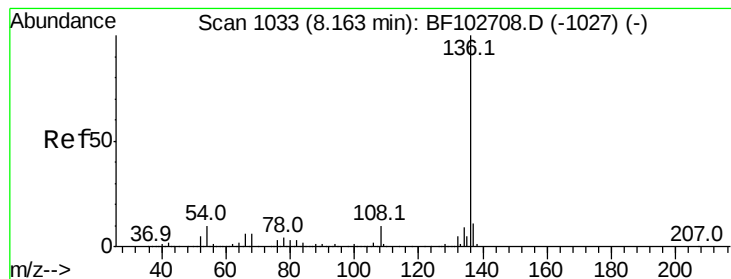
Tot Ion: 70 Resp: 349029
Ion Ratio Lower Upper
70 100
42 54.5 47.5 71.3
101 6.9 7.4 11.2#
130 15.6 16.6 25.0#



#20
3+4-Methylphenols
Concen: 41.965 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Tgt Ion: 107 Resp: 429706
Ion Ratio Lower Upper
107 100
108 90.7 68.2 108.2
77 68.3 26.7 66.7#
79 43.4 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

Tot Ion:136 Resp: 771244

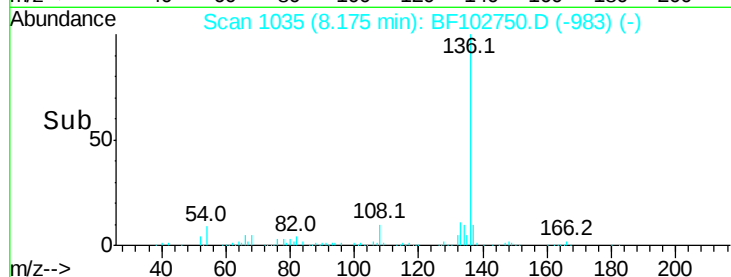
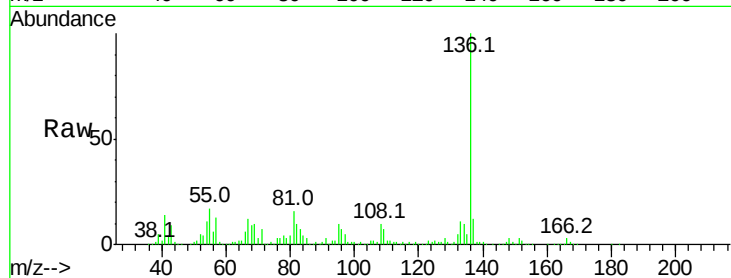
Ion Ratio Lower Upper

136 100

137 12.0 8.9 13.3

54 11.4 6.6 9.8#

68 8.8 5.0 7.4#

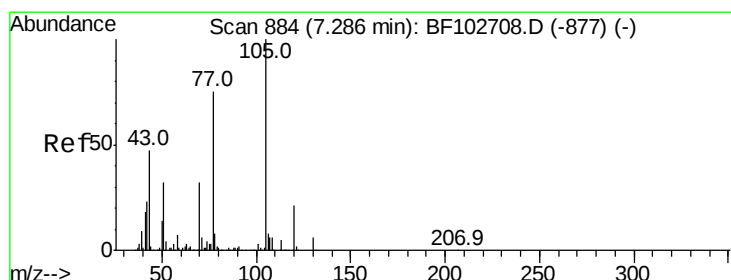
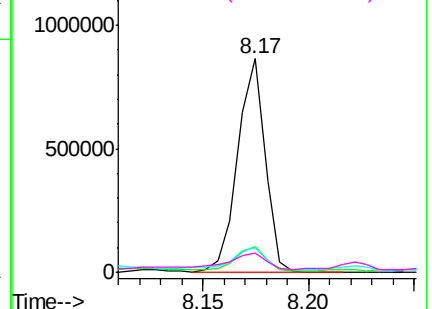


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 28.269 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Tgt Ion:105 Resp: 533528

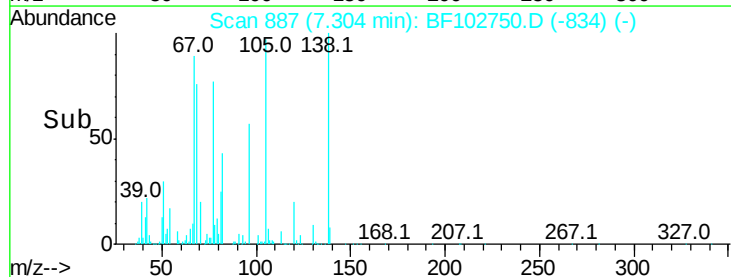
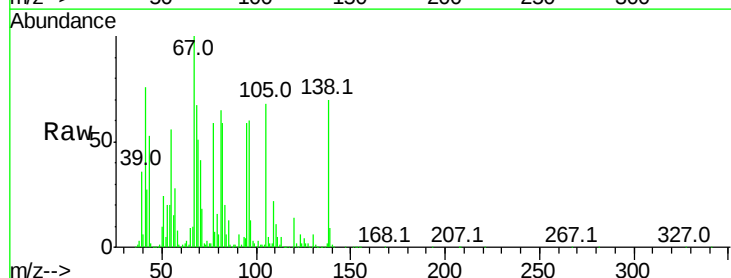
Ion Ratio Lower Upper

105 100

71 27.0 4.4 6.6#

51 35.8 22.3 33.5#

120 20.9 16.9 25.3

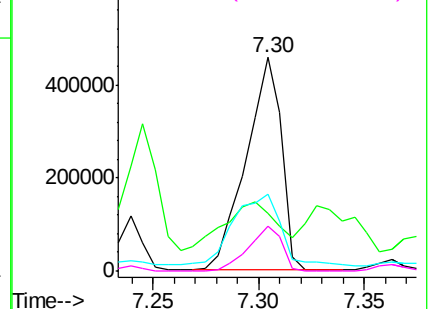


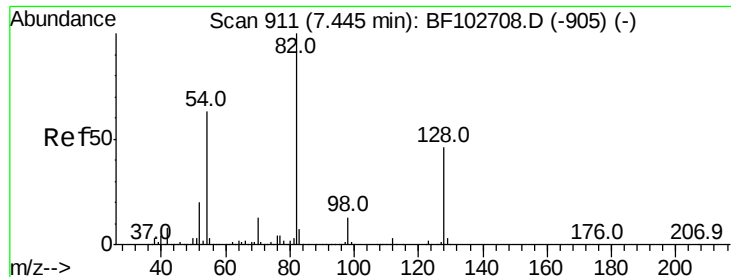
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 73.391 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

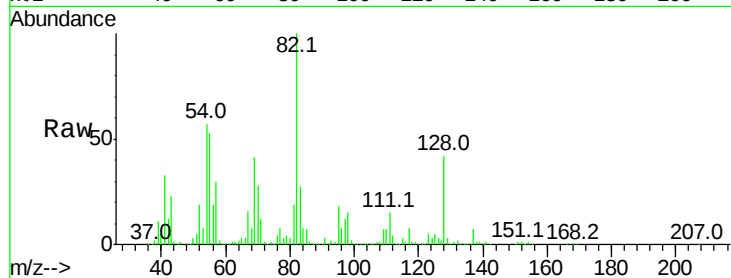
Tot Ion: 82 Resp: 815941

Ion Ratio Lower Upper

82 100

128 42.3 36.1 54.1

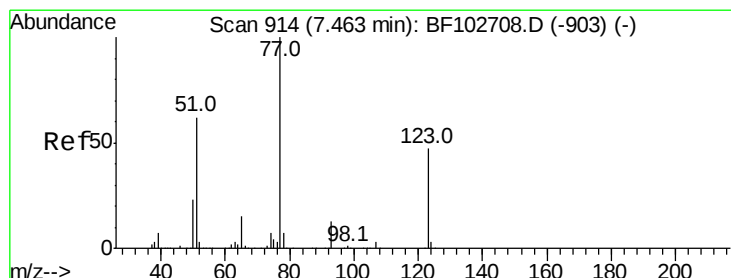
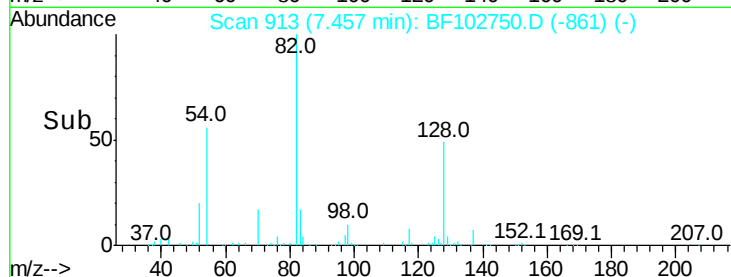
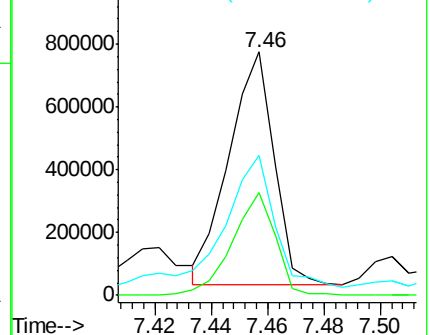
54 57.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 33.747 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

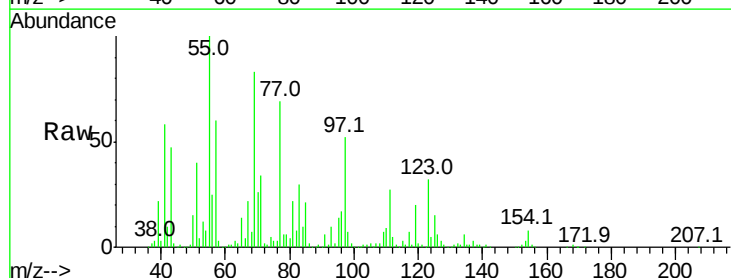
Tgt Ion: 77 Resp: 441575

Ion Ratio Lower Upper

77 100

123 46.9 37.9 56.9

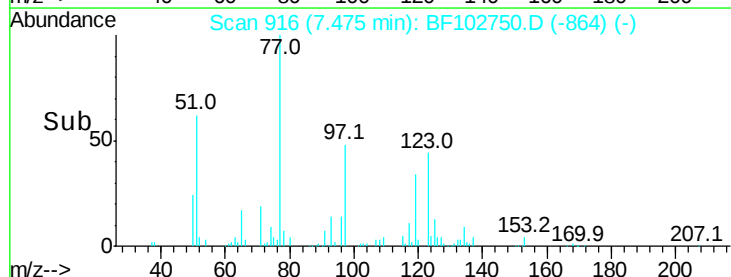
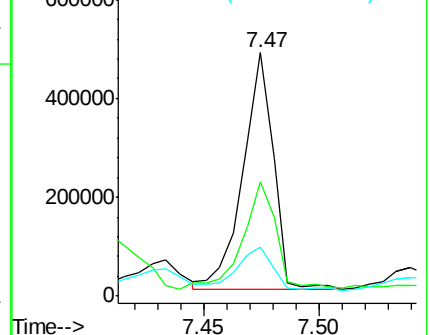
65 19.9 11.0 16.4#

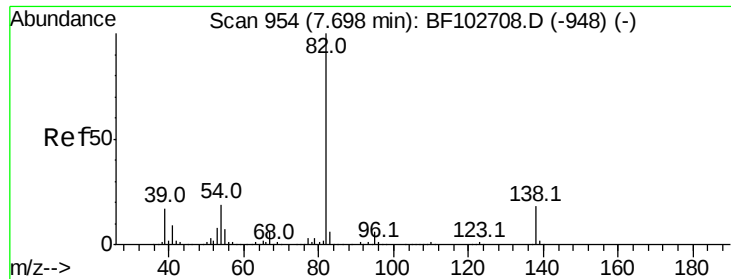


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 40.423 ng

RT: 7.71 min Scan# 956

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

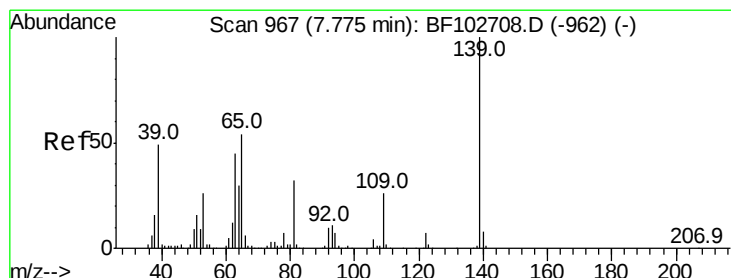
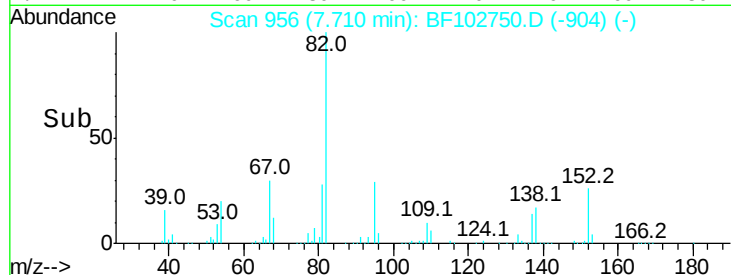
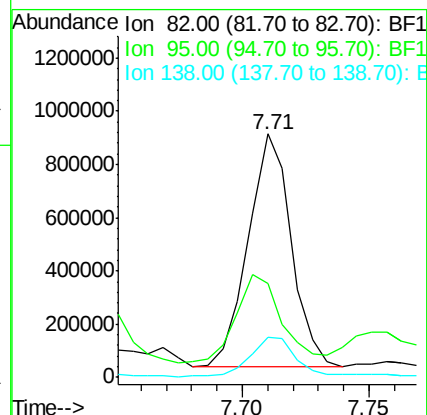
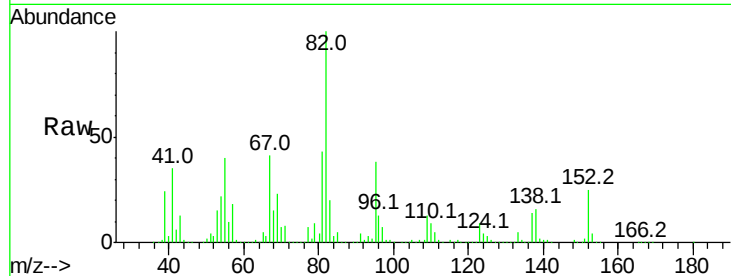
Tot Ion: 82 Resp: 1034833

Ion Ratio Lower Upper

82 100

95 38.4 5.2 7.8#

138 16.3 14.9 22.3



#26

2-Nitrophenol

Concen: 44.823 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

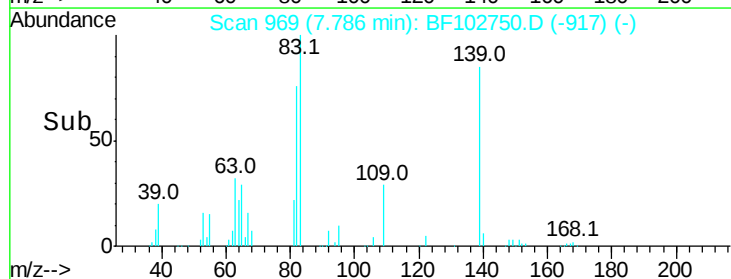
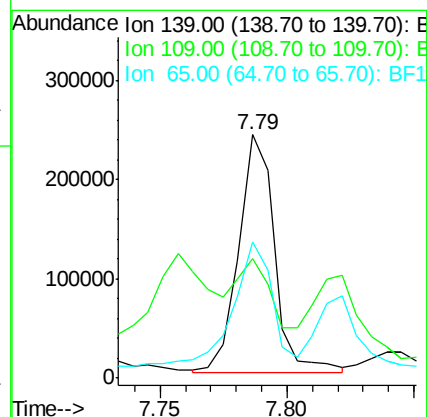
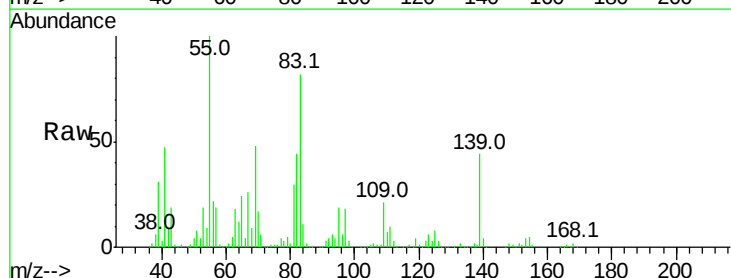
Tgt Ion: 139 Resp: 237057

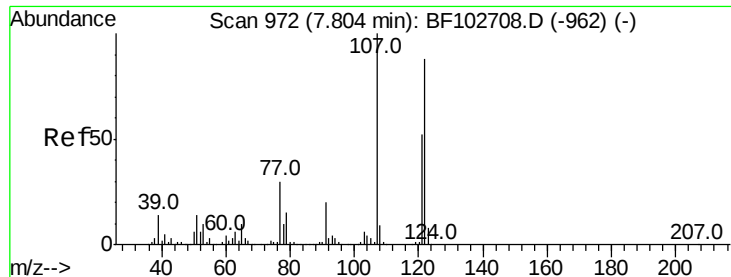
Ion Ratio Lower Upper

139 100

109 48.8 22.7 34.1#

65 56.0 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 40.368 ng

RT: 7.82 min Scan# 975

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

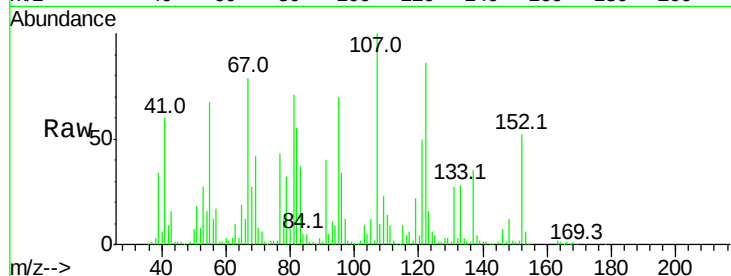
Tot Ion:122 Resp: 436601

Ion Ratio Lower Upper

122 100

107 116.1 91.2 136.8

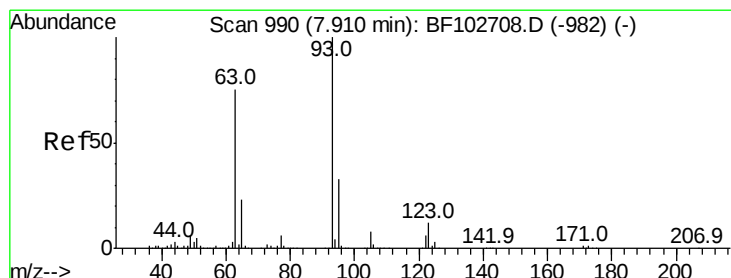
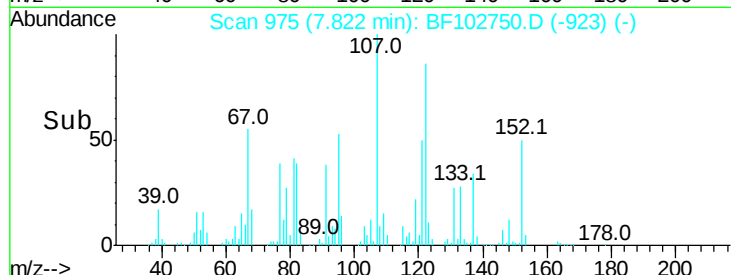
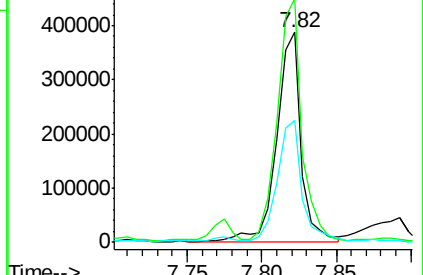
121 58.5 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.331 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.00 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

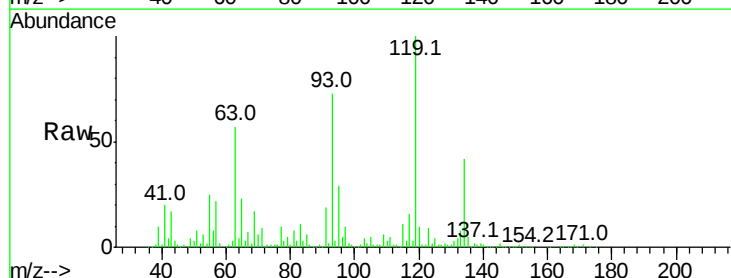
Tgt Ion: 93 Resp: 581309

Ion Ratio Lower Upper

93 100

95 39.6 26.3 39.5#

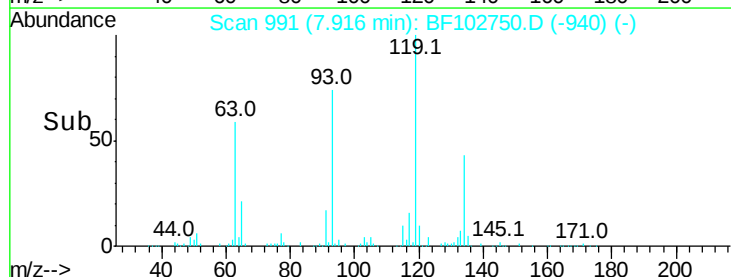
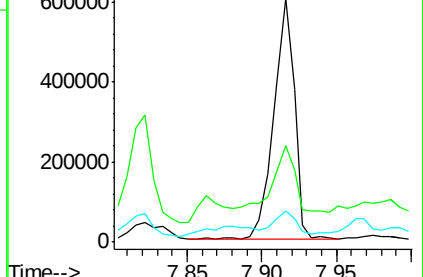
123 12.9 9.8 14.6

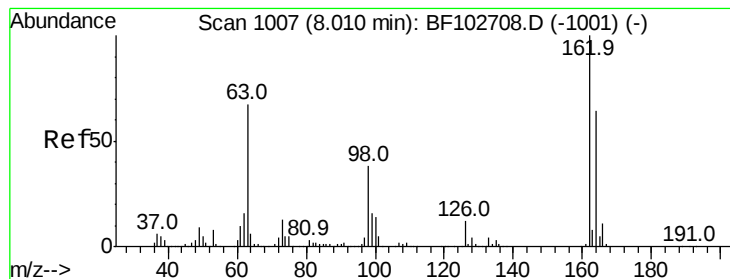


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 45.181 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

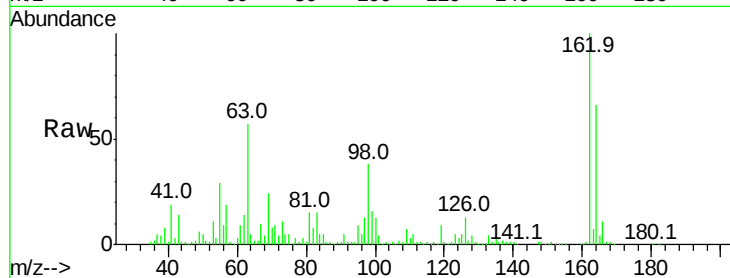
Tot Ion:162 Resp: 444225

Ion Ratio Lower Upper

162 100

164 65.9 42.7 82.7

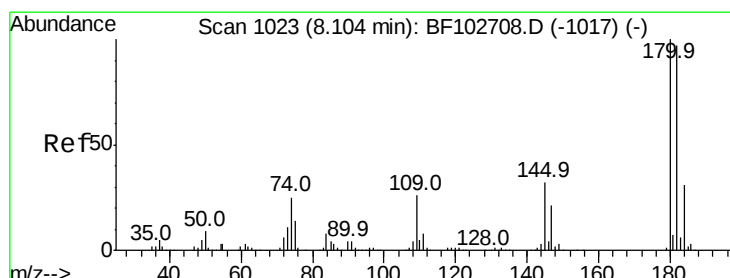
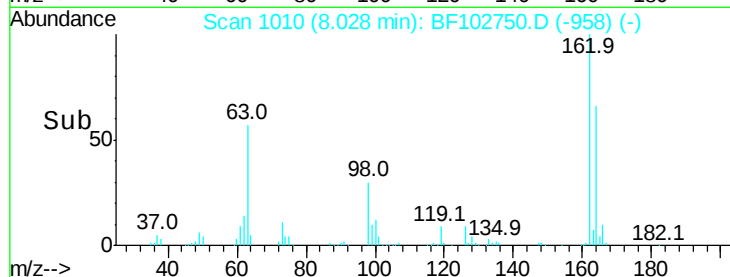
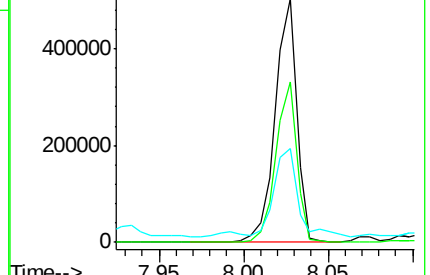
98 38.3 18.1 58.1



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: 35.914 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

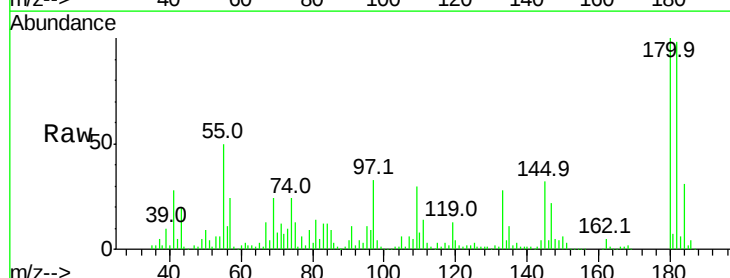
Tgt Ion:180 Resp: 399466

Ion Ratio Lower Upper

180 100

182 97.5 76.8 115.2

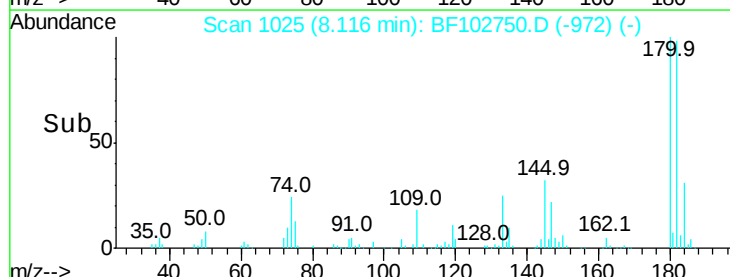
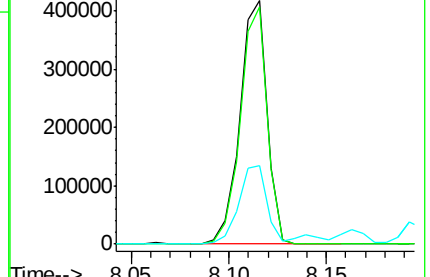
145 32.2 26.5 39.7

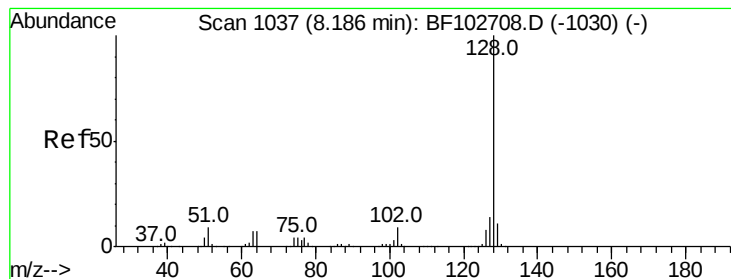


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 39.085 ng

RT: 8.20 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

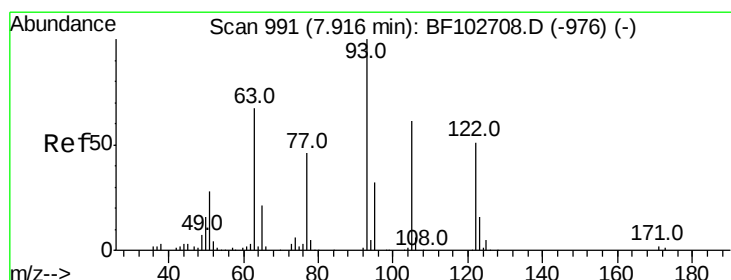
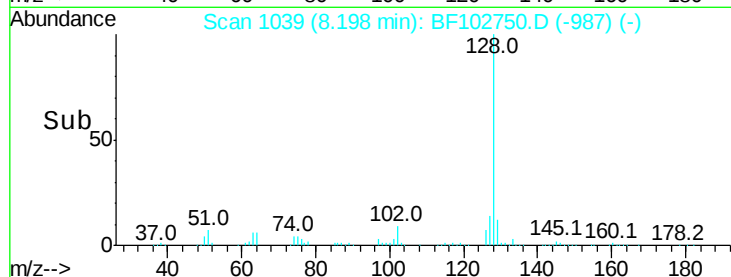
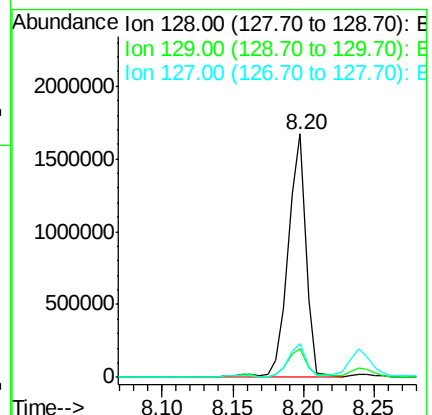
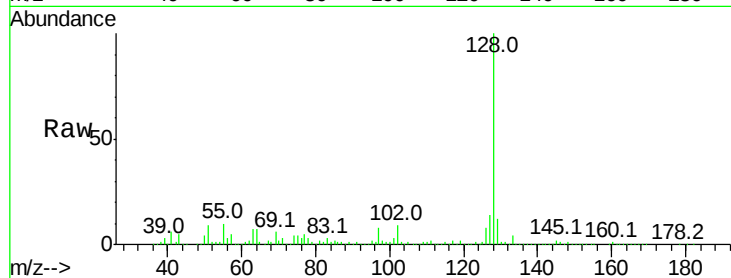
Tot Ion:128 Resp: 1472777

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

127 13.8 10.9 16.3



#32

Benzoic acid

Concen: 17.180 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.04 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

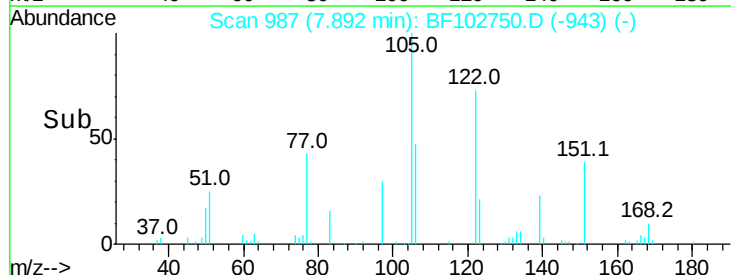
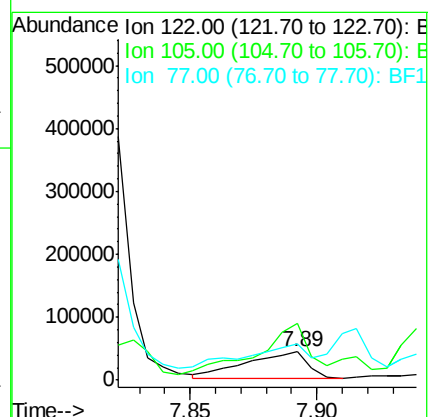
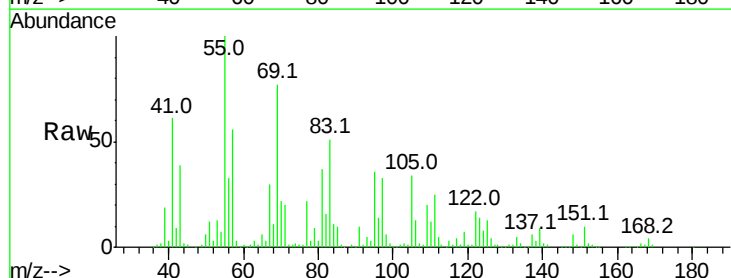
Tgt Ion:122 Resp: 70738

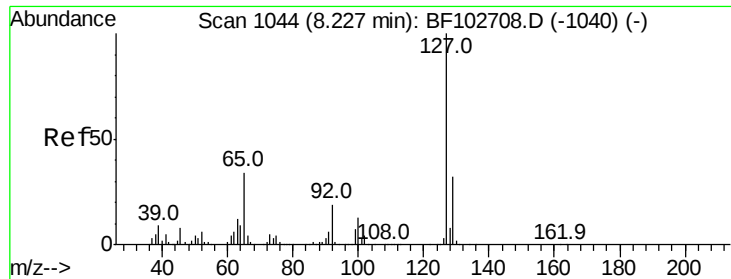
Ion Ratio Lower Upper

122 100

105 199.3 101.1 141.1#

77 129.4 70.7 110.7#

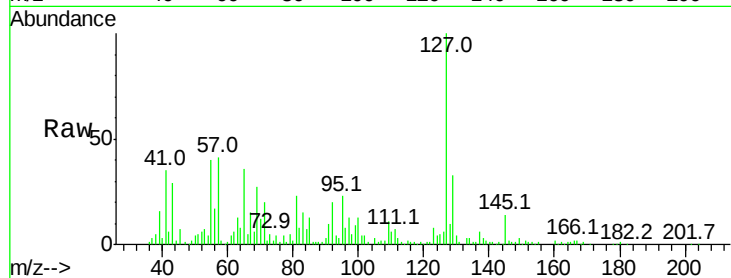




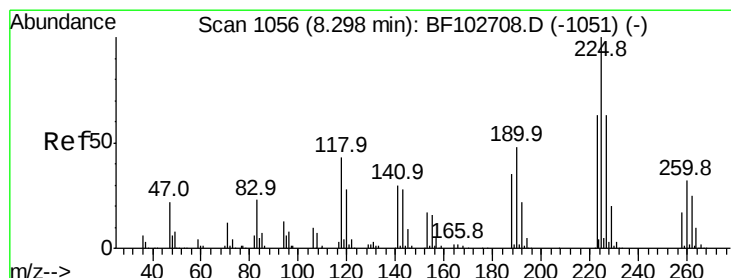
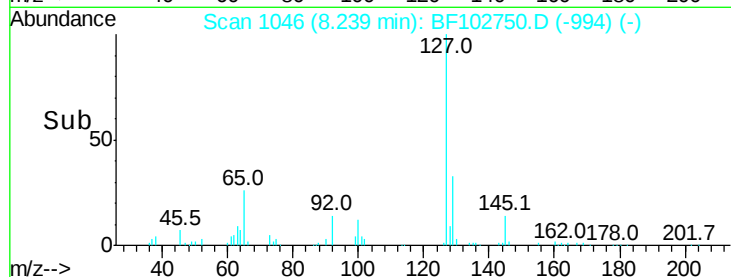
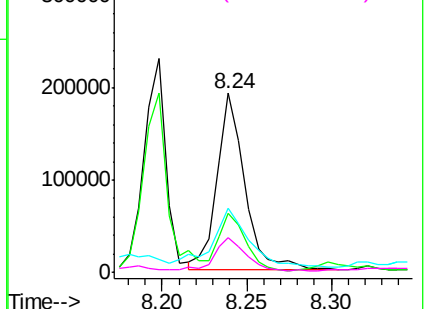
#33
4-Chloroaniline
Concen: 13.516 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)MSD

Tot Ion:127 Resp: 219409
Ion Ratio Lower Upper
127 100
129 33.1 25.9 38.9
65 35.7 25.0 37.4
92 19.6 15.2 22.8

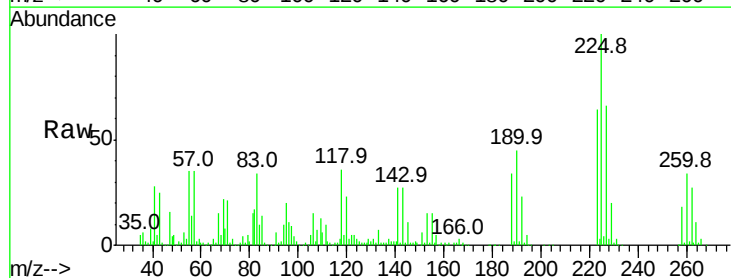


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

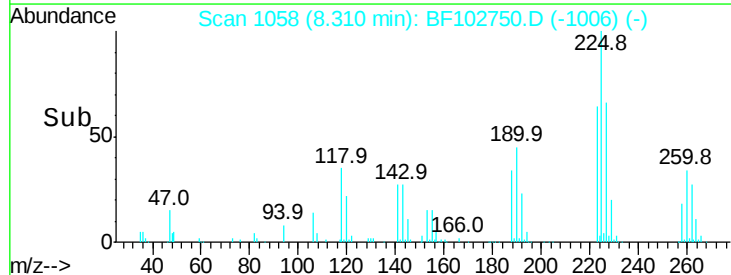
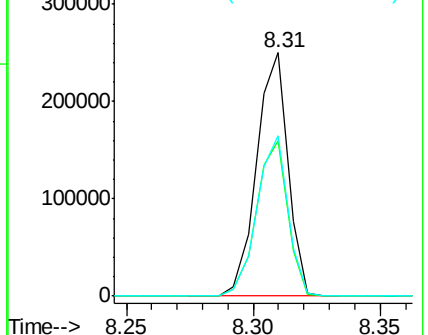


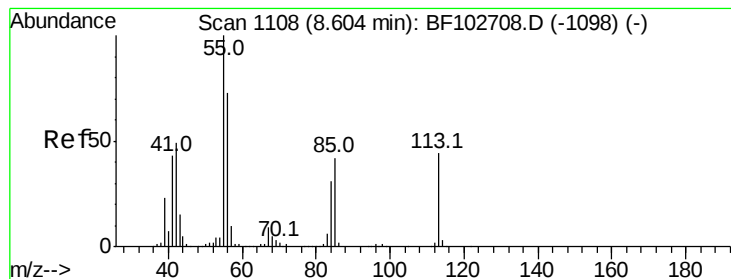
#34
Hexachlorobutadiene
Concen: 37.911 ng
RT: 8.31 min Scan# 1058
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Tgt Ion:225 Resp: 216078
Ion Ratio Lower Upper
225 100
223 63.7 50.6 76.0
227 66.1 51.9 77.9



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 7.625 ng

RT: 8.65 min Scan# 1116

Delta R.T. 0.04 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

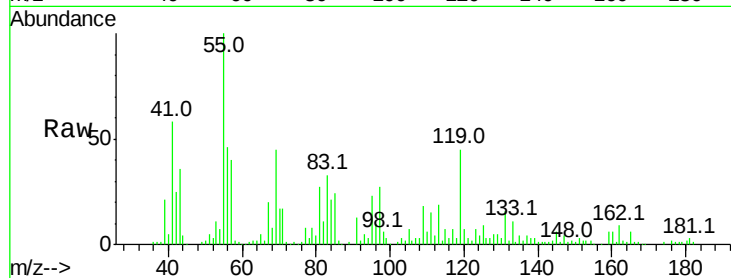
Tot Ion:113 Resp: 26037

Ion Ratio Lower Upper

113 100

55 521.6 163.3 203.3#

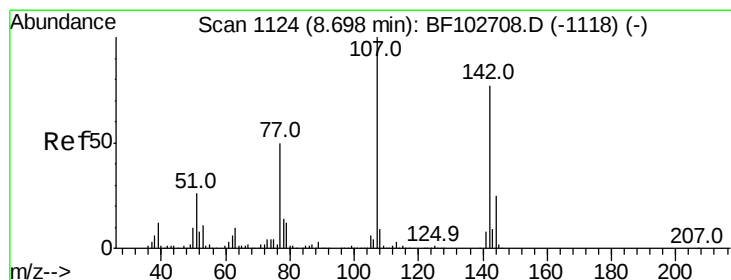
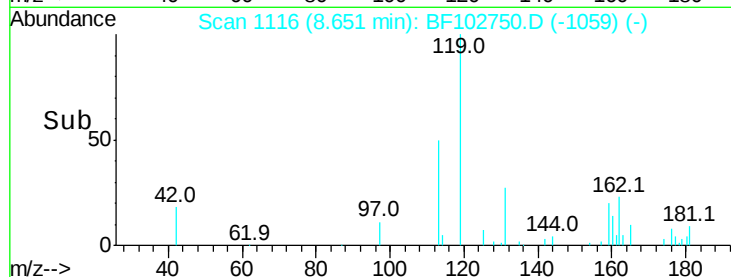
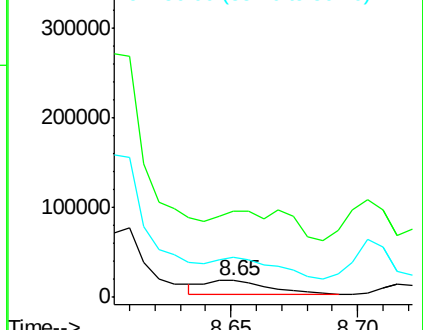
56 240.6 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 46.186 ng

RT: 8.72 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

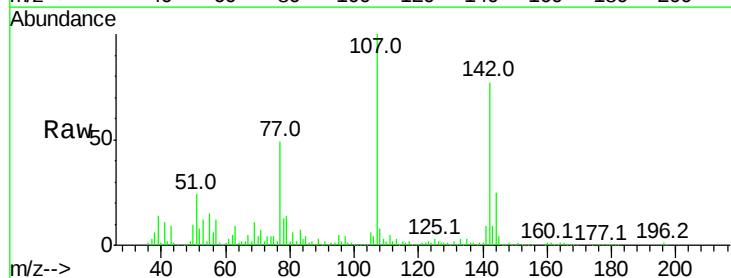
Tgt Ion:107 Resp: 510227

Ion Ratio Lower Upper

107 100

144 25.5 20.5 30.7

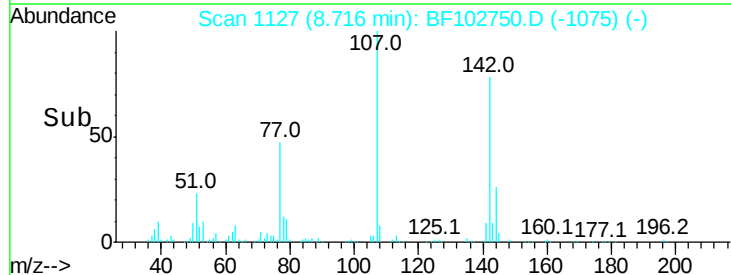
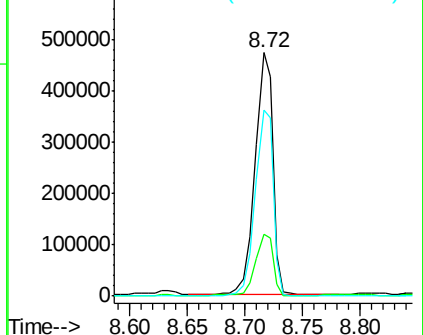
142 76.7 62.0 93.0

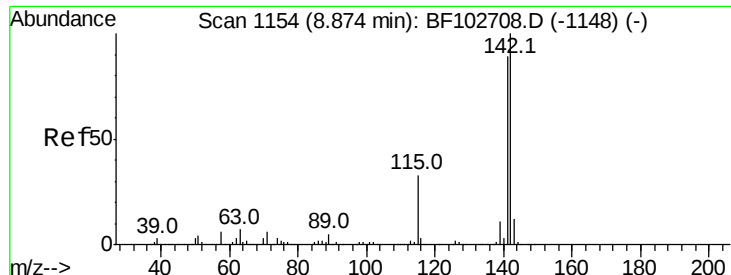


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

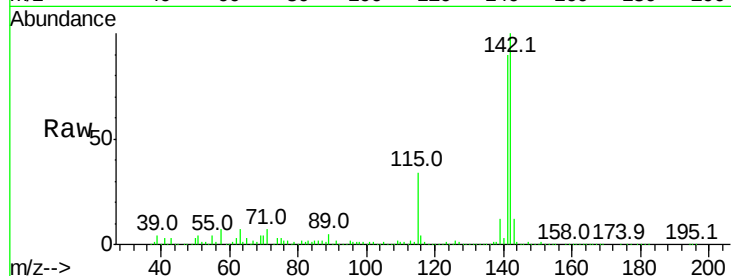




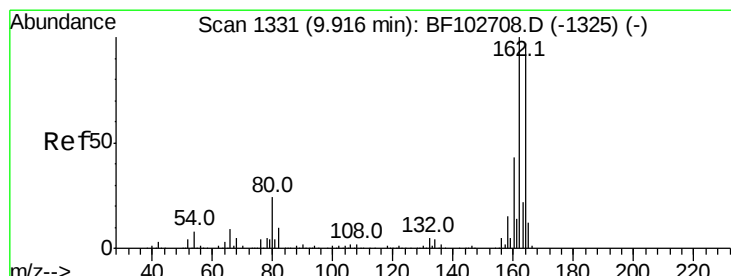
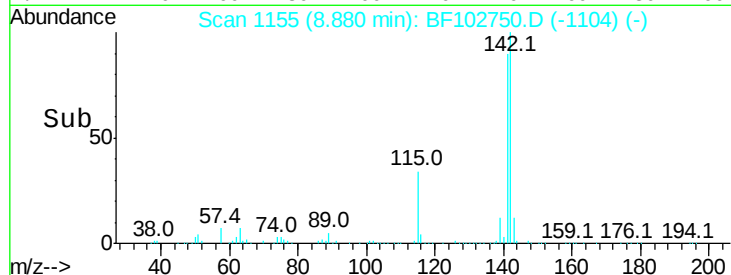
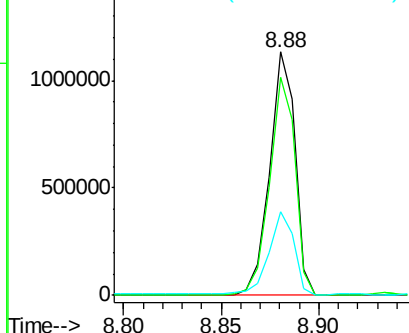
#37
 2-Methylnaphthalene
 Concen: 41.378 ng
 RT: 8.88 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)MSD

Tot Ion:142 Resp: 1020815
 Ion Ratio Lower Upper
 142 100
 141 89.8 70.8 106.2
 115 34.4 26.1 39.1

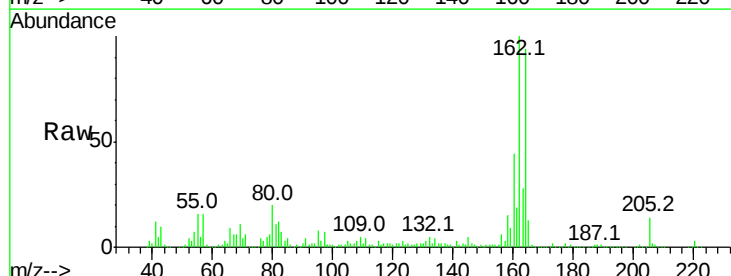


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

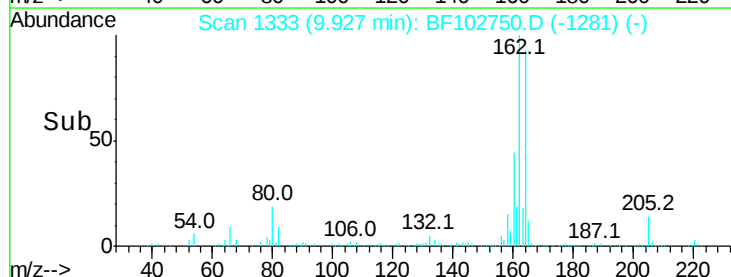
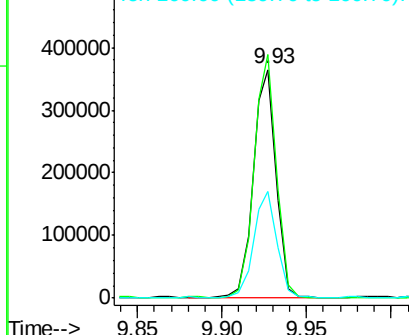


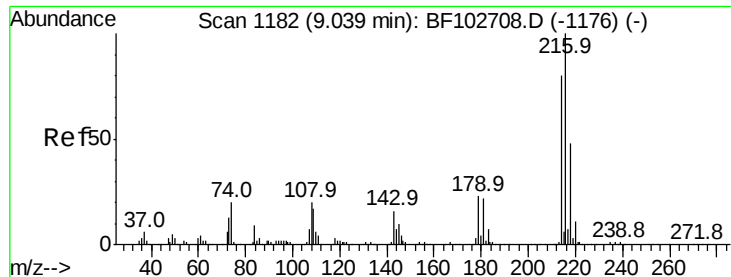
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Tgt Ion:164 Resp: 340107
 Ion Ratio Lower Upper
 164 100
 162 106.6 86.1 129.1
 160 46.5 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

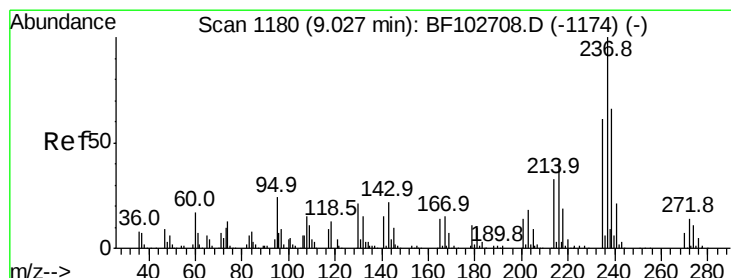
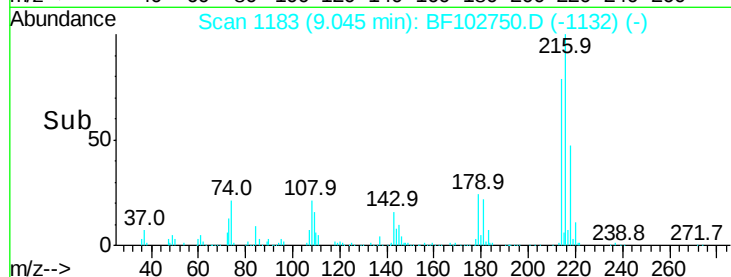
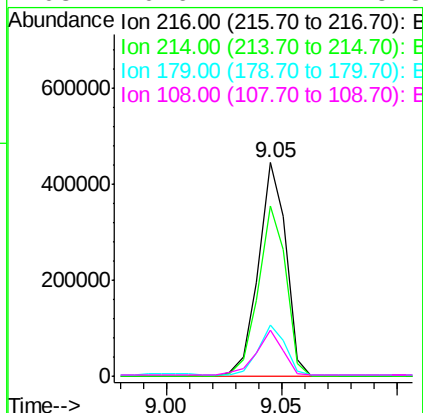
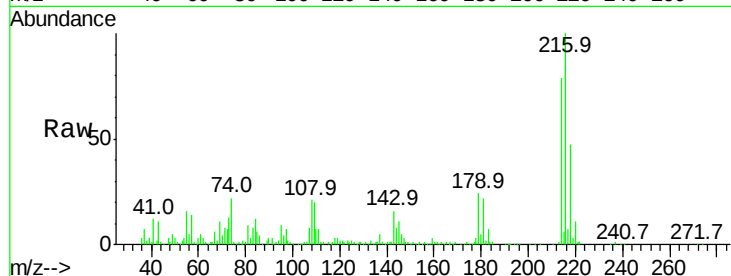




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.269 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

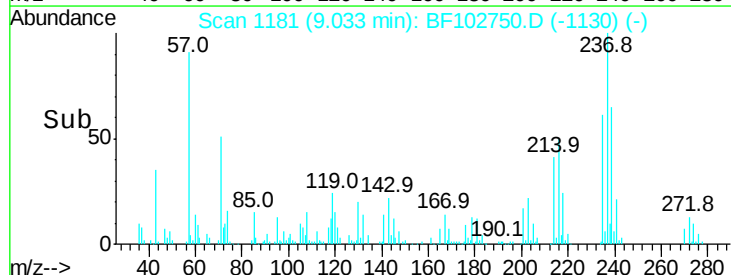
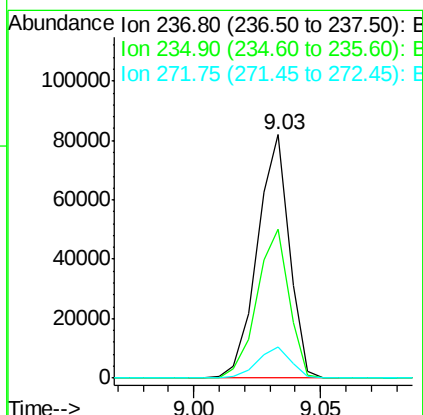
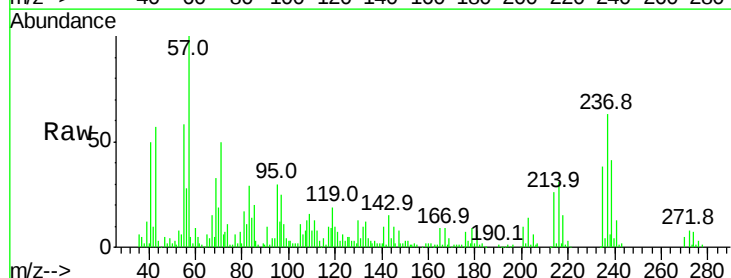
Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)MSD

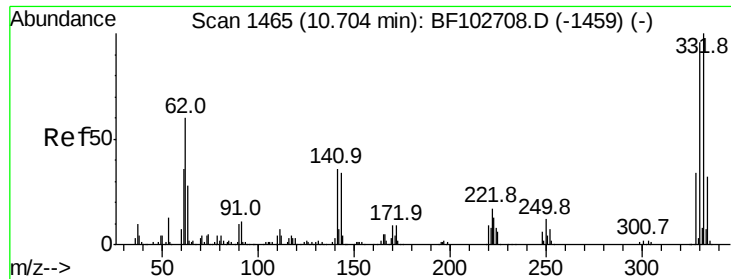
Tot Ion:	216	Resp:	372910
Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.0	94.4
179	23.2	18.1	27.1
108	20.6	17.2	25.8



#40
 Hexachlorocyclopentadiene
 Concen: 16.394 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Tgt Ion:	237	Resp:	72170
Ion	Ratio	Lower	Upper
237	100		
235	61.2	44.8	84.8
272	12.7	0.0	33.3

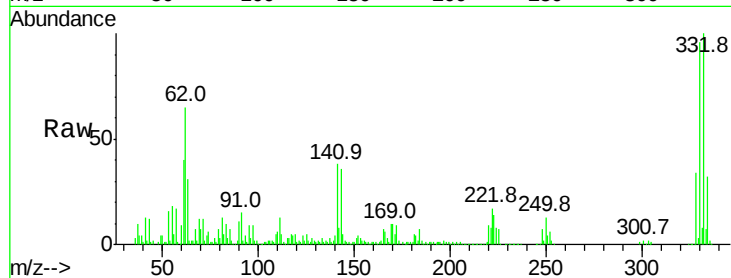




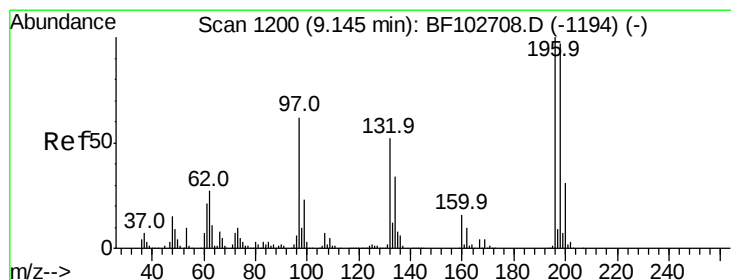
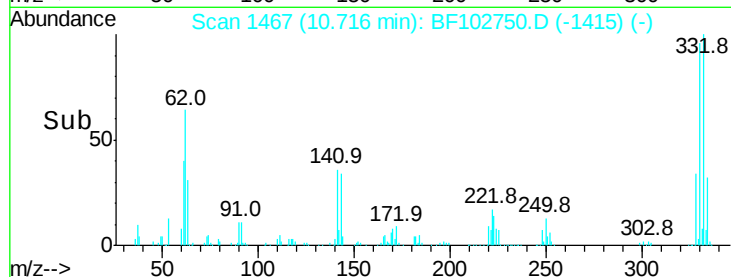
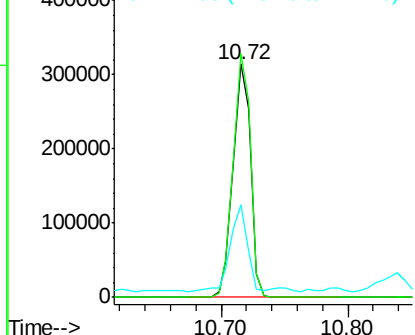
#41
 2,4,6-Tribromophenol
 Concen: 108.880 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.1	77.0	115.6
141	35.8	29.9	44.9

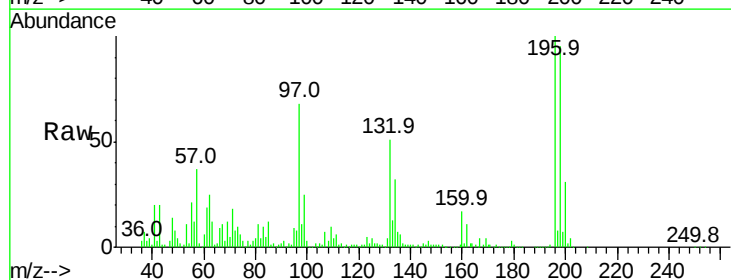


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

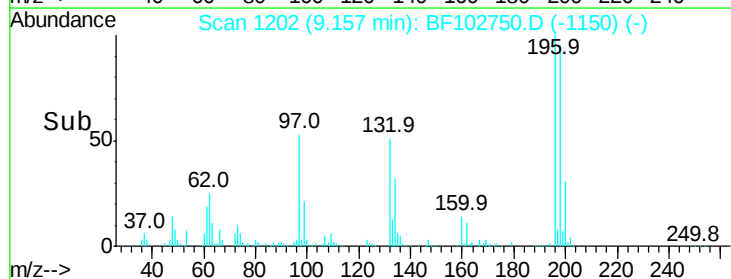
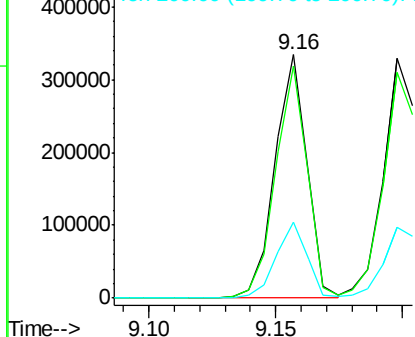


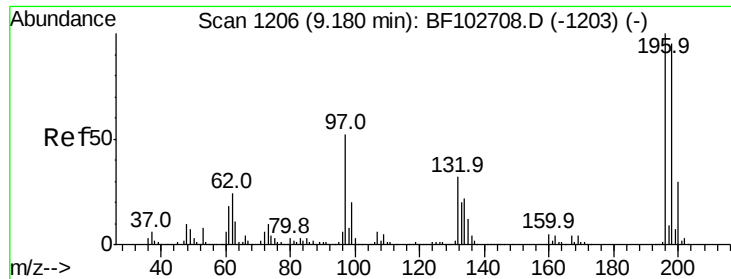
#42
 2,4,6-Trichlorophenol
 Concen: 47.649 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.7	113.5
200	31.1	24.5	36.7



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

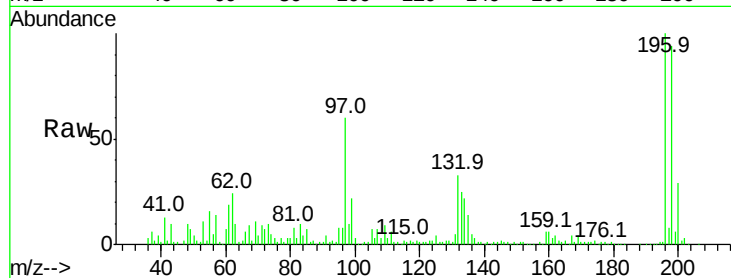




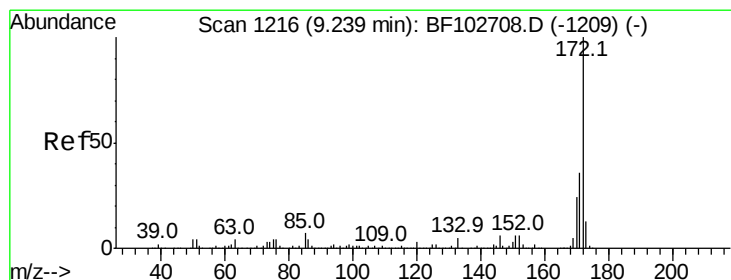
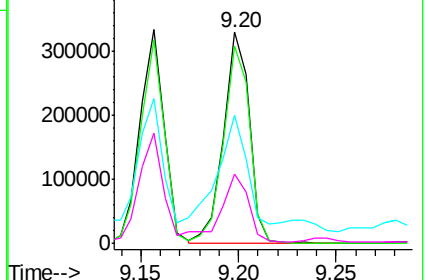
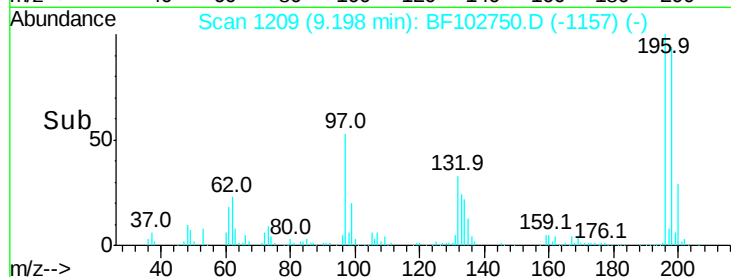
#43
 2,4,5-Trichlorophenol
 Concen: 44.035 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)MSD

Tot Ion:	196	Resp:	301887
Ion	Ratio	Lower	Upper
196	100		
198	93.8	74.6	112.0
97	60.4	42.9	64.3
132	32.9	26.3	39.5

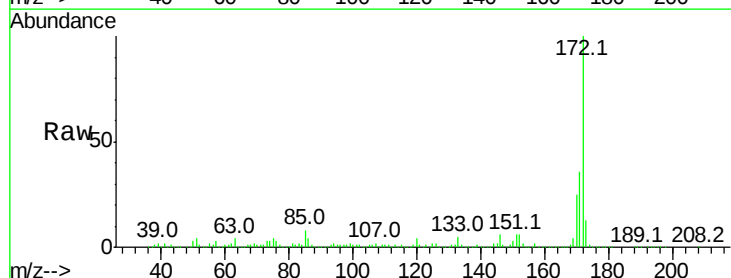


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

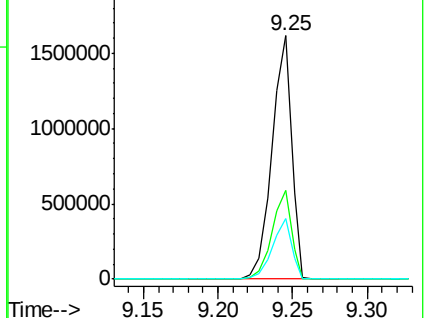
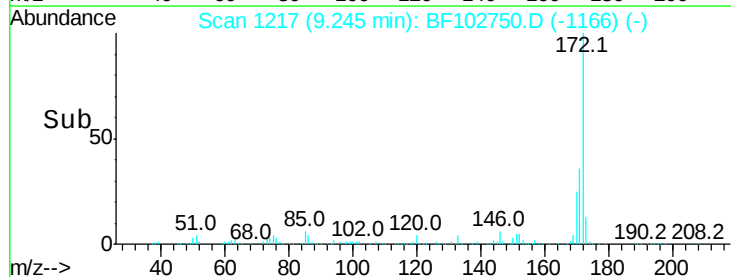


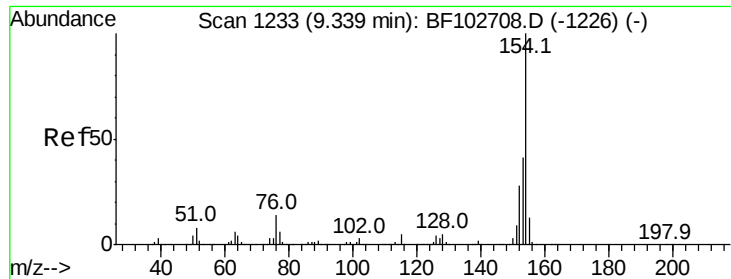
#44
 2-Fluorobiphenyl
 Concen: 71.741 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Tgt Ion:	172	Resp:	1470430
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.8	19.6	29.4



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

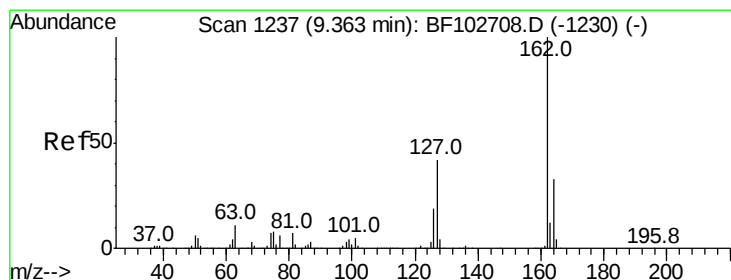
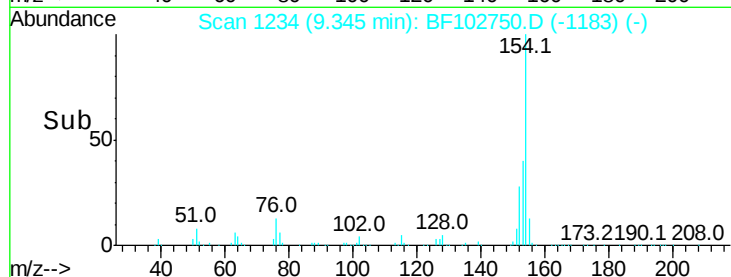
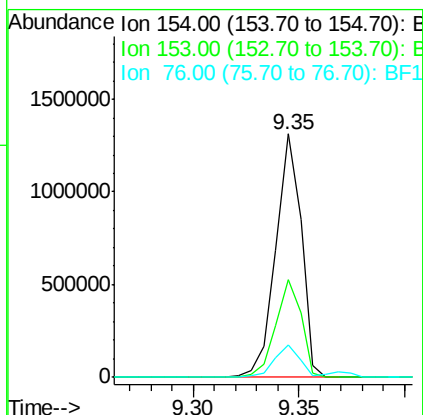
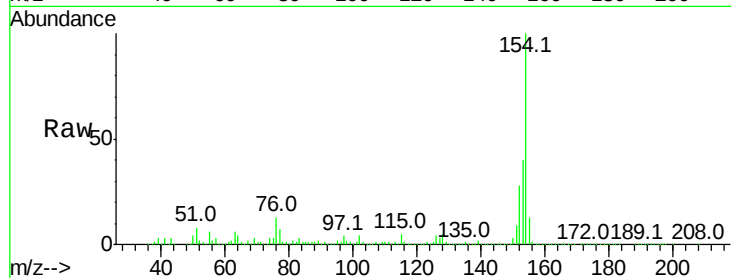




#45
1,1'-Biphenyl
Concen: 38.563 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

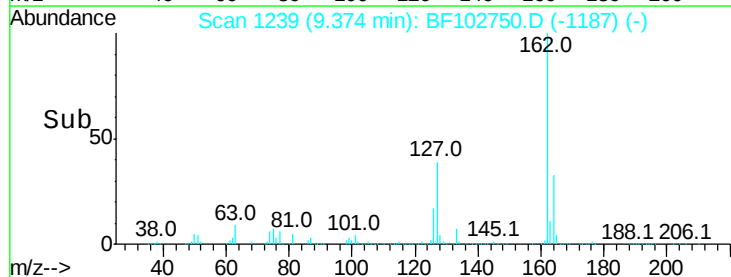
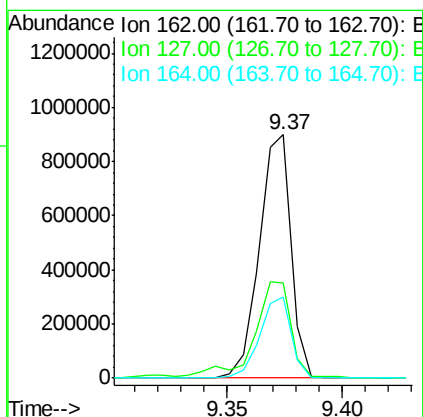
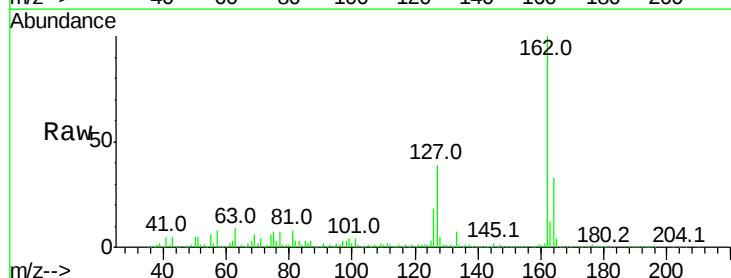
Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)MSD

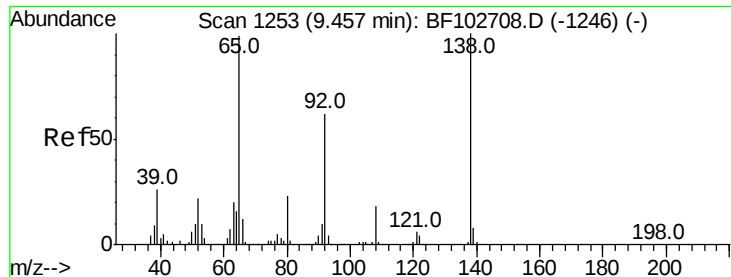
Tot Ion:154 Resp: 1104692
Ion Ratio Lower Upper
154 100
153 40.3 21.3 61.3
76 13.3 0.0 34.0



#46
2-Chloronaphthalene
Concen: 38.134 ng
RT: 9.37 min Scan# 1239
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Tgt Ion:162 Resp: 860005
Ion Ratio Lower Upper
162 100
127 39.3 33.9 50.9
164 33.2 26.5 39.7





#47

2-Nitroaniline

Concen: 49.172 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

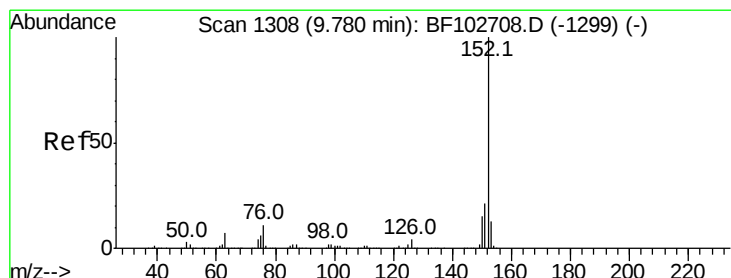
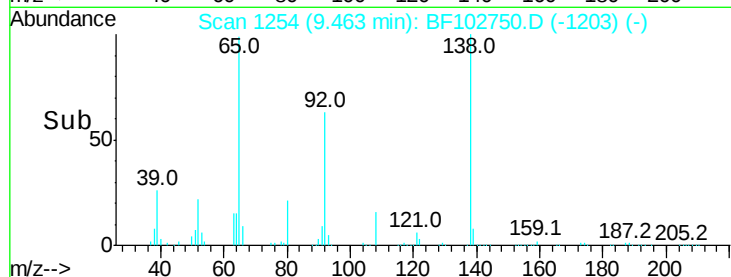
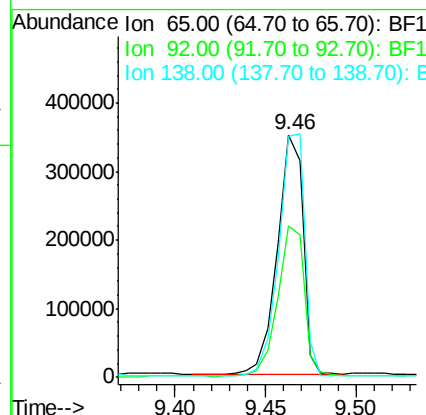
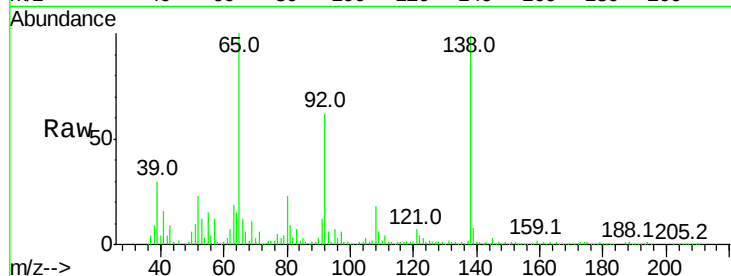
Tot Ion: 65 Resp: 342833

Ion Ratio Lower Upper

65 100

92 62.4 55.8 83.6

138 99.4 91.2 136.8



#48

Acenaphthylene

Concen: 35.805 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

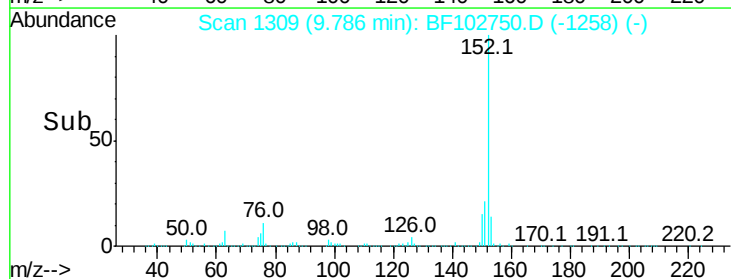
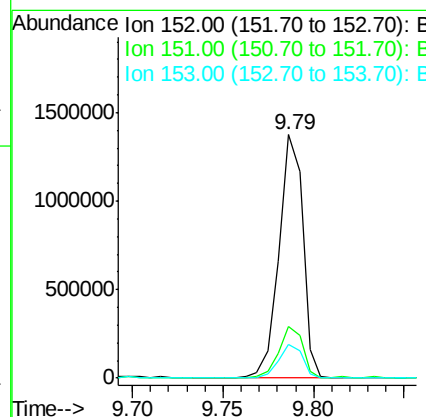
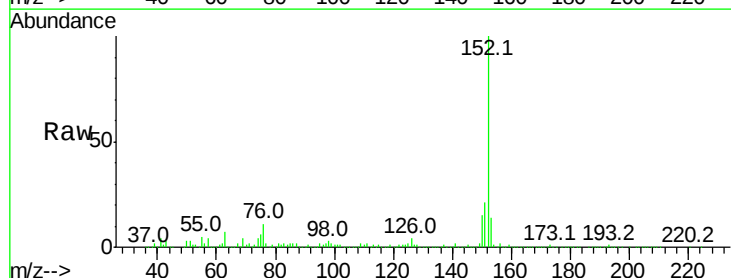
Tgt Ion: 152 Resp: 1254165

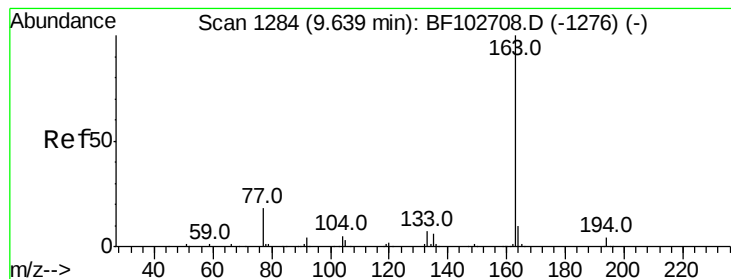
Ion Ratio Lower Upper

152 100

151 21.0 16.3 24.5

153 13.8 10.7 16.1





#49

Dimethylphthalate

Concen: 42.812 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

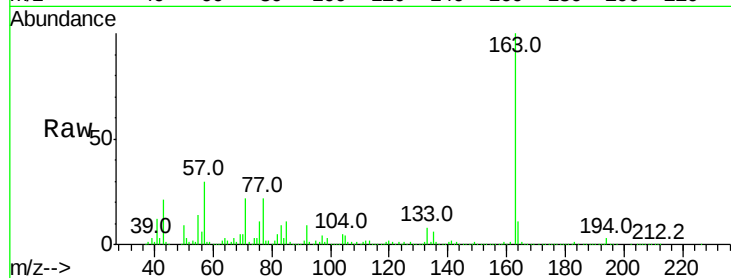
Tot Ion:163 Resp: 1135326

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

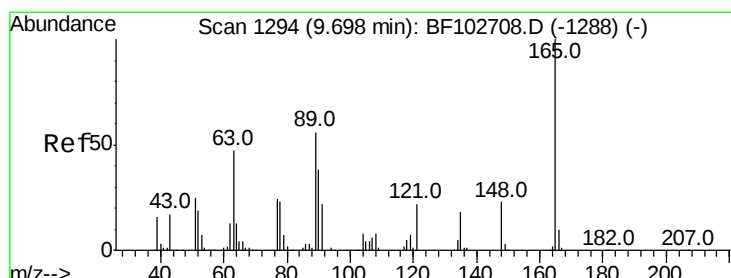
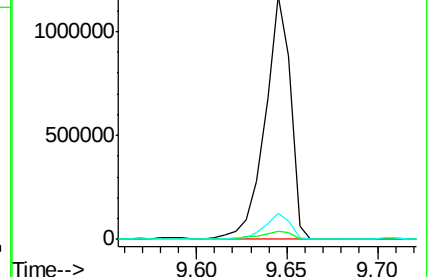
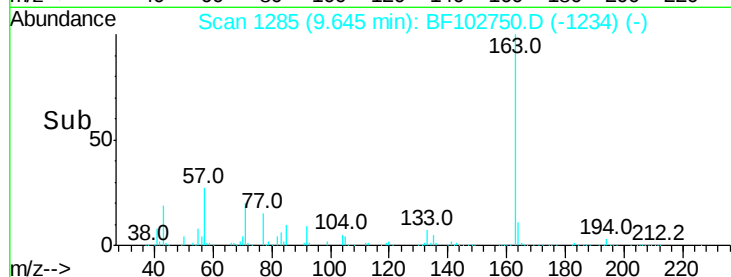
164 10.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 44.670 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

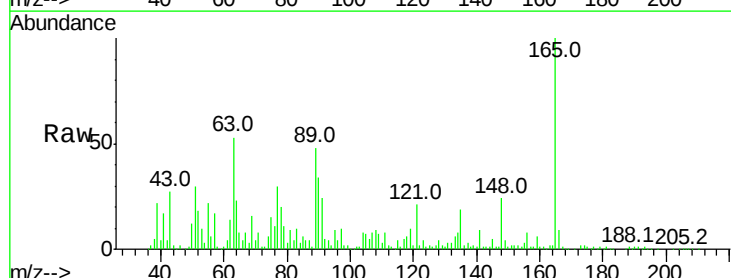
Tgt Ion:165 Resp: 225374

Ion Ratio Lower Upper

165 100

63 52.8 44.7 67.1

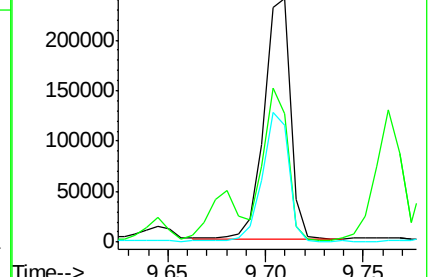
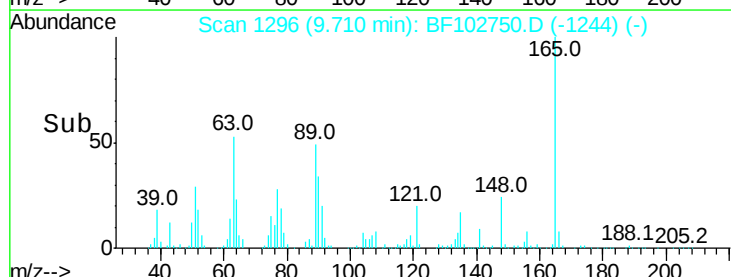
89 48.1 44.0 66.0

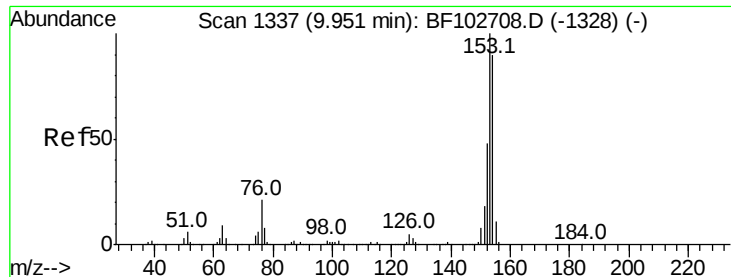


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 36.434 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

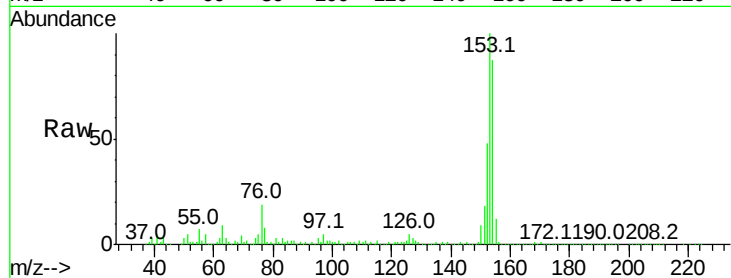
Tot Ion:154 Resp: 763214

Ion Ratio Lower Upper

154 100

153 114.4 91.2 136.8

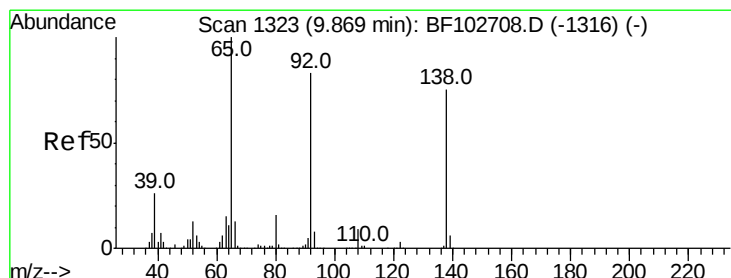
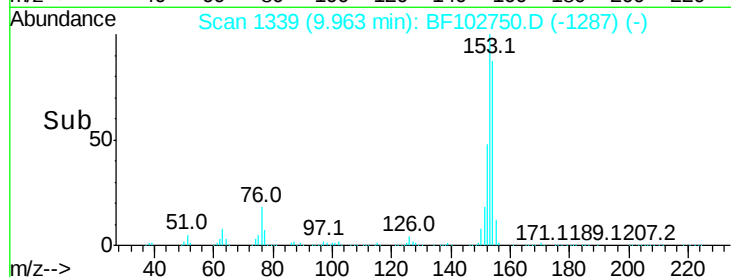
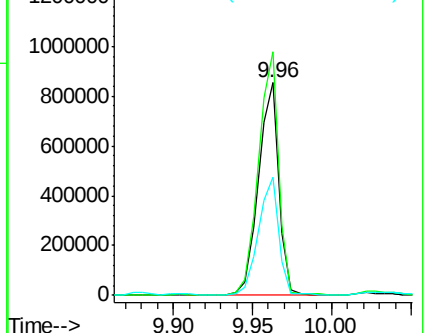
152 55.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 30.397 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

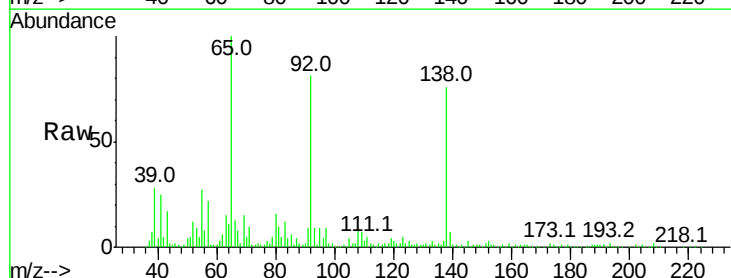
Tgt Ion:138 Resp: 188704

Ion Ratio Lower Upper

138 100

108 12.1 9.4 14.0

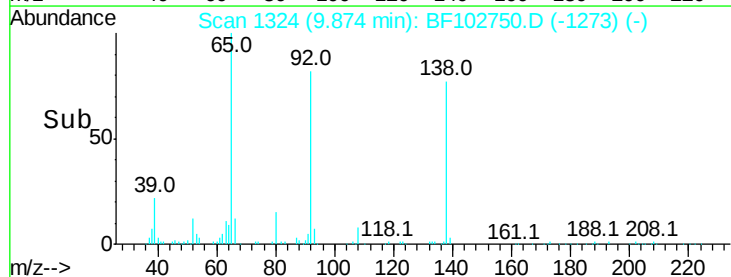
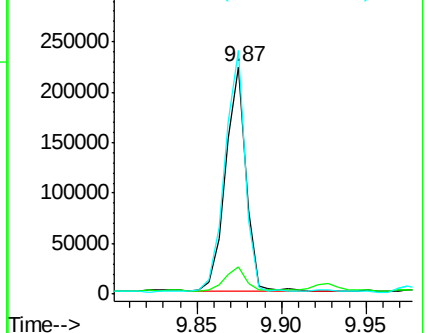
92 107.1 89.4 134.2

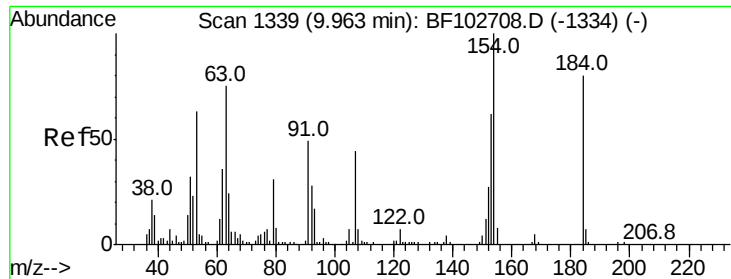


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

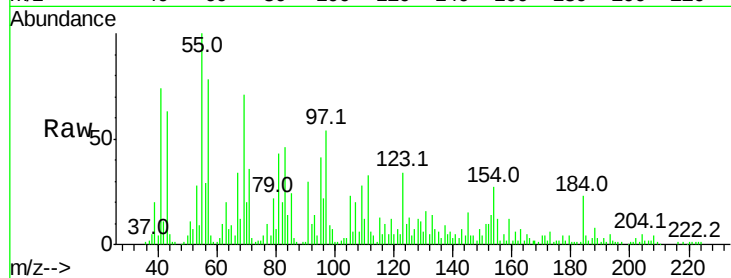




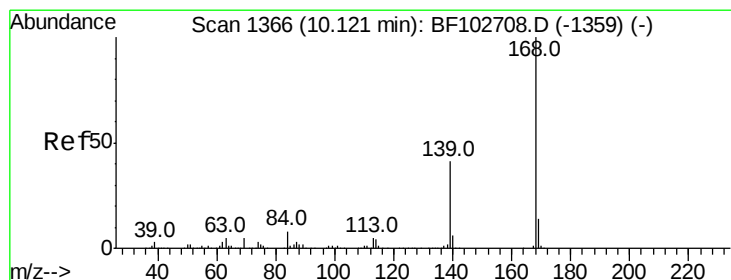
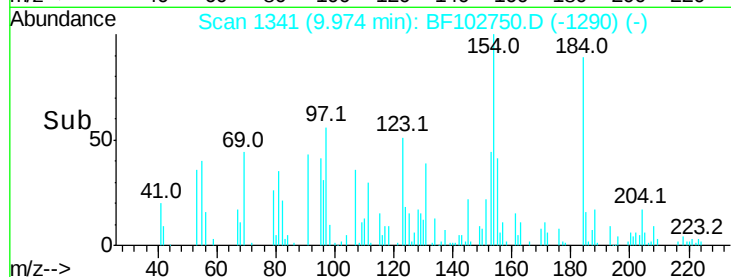
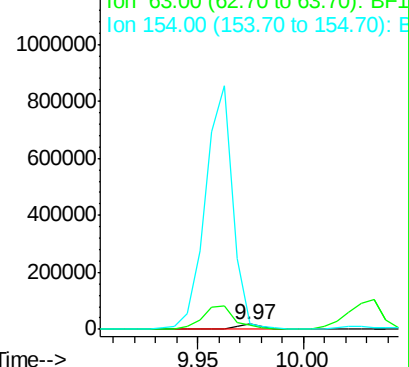
#53
2,4-Dinitrophenol
Concen: 21.024 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)MSD

Tot Ion:184 Resp: 13716
Ion Ratio Lower Upper
184 100
63 88.3 54.2 81.2#
154 120.1 184.0 276.0#

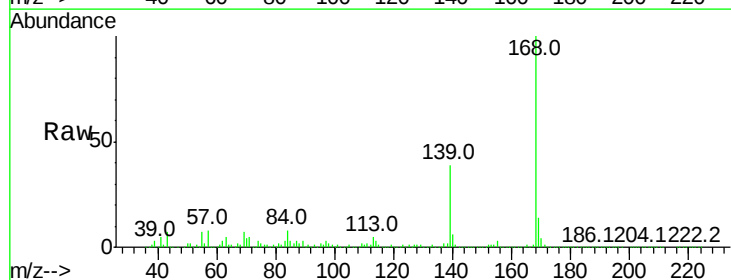


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

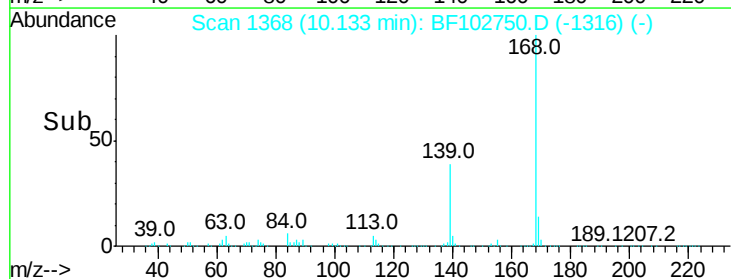
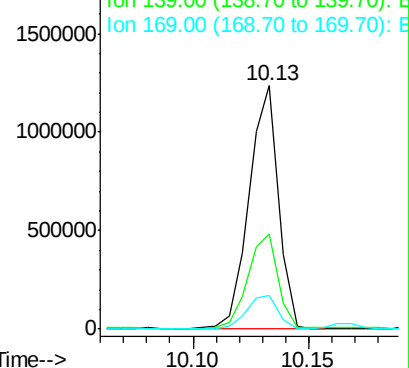


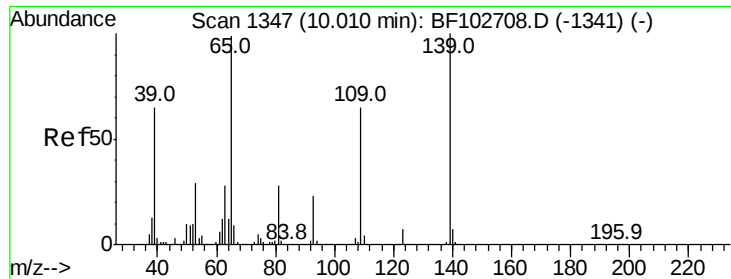
#54
Dibenzofuran
Concen: 36.945 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Tgt Ion:168 Resp: 1090646
Ion Ratio Lower Upper
168 100
139 39.2 30.1 45.1
169 13.9 10.9 16.3



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





#55

4-Nitrophenol

Concen: 76.983 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

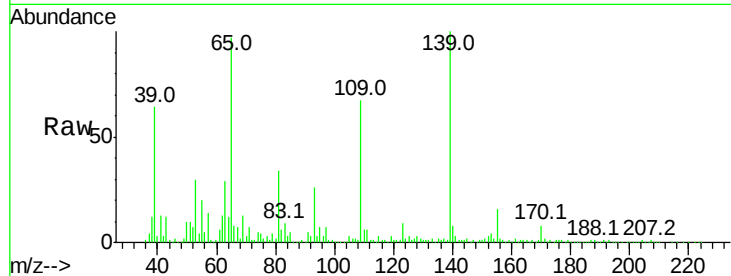
Tot Ion:139 Resp: 391920

Ion Ratio Lower Upper

139 100

109 67.5 48.4 88.4

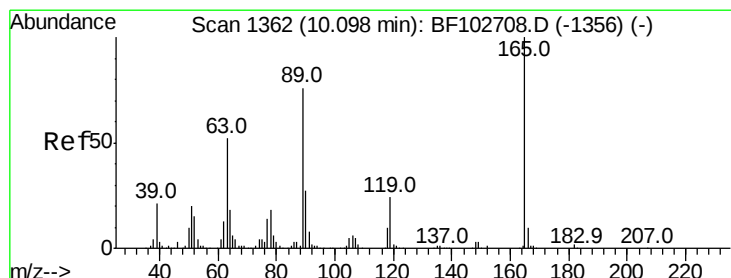
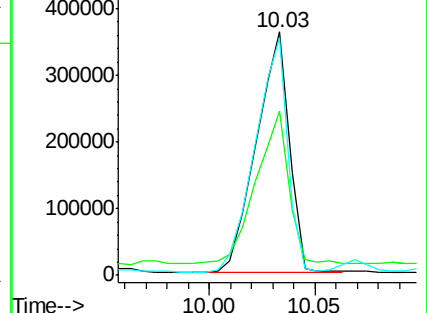
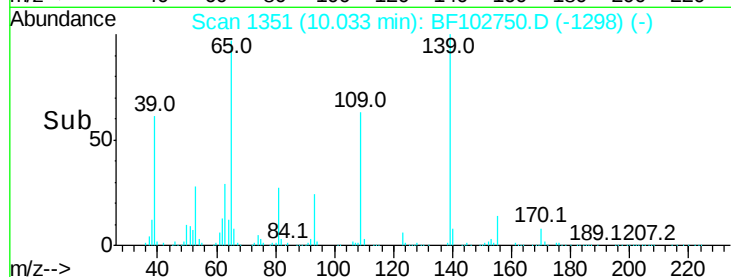
65 97.2 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 40.640 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Tgt Ion:165 Resp: 271583

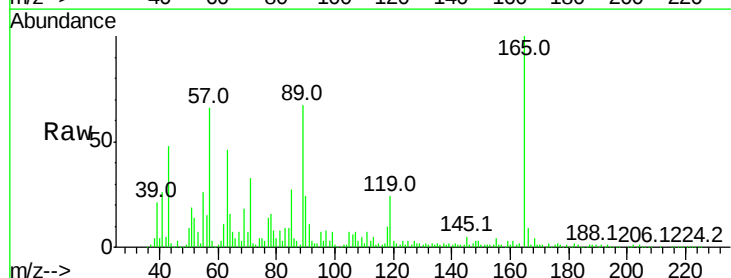
Ion Ratio Lower Upper

165 100

63 46.2 36.4 54.6

89 67.0 57.8 86.6

182 2.5 1.6 2.4#

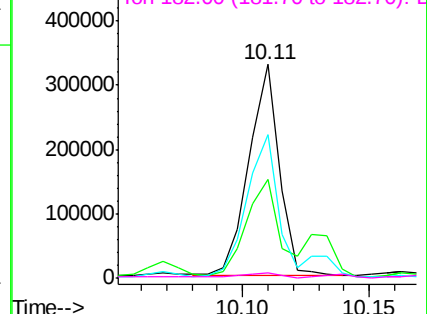
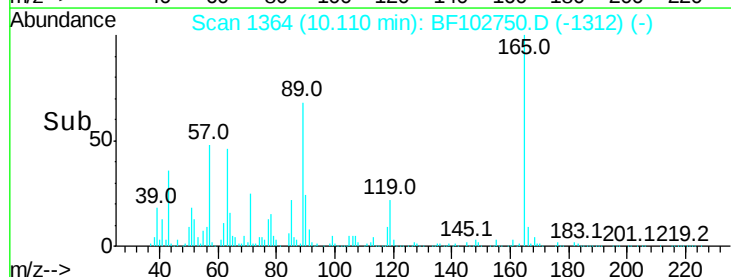


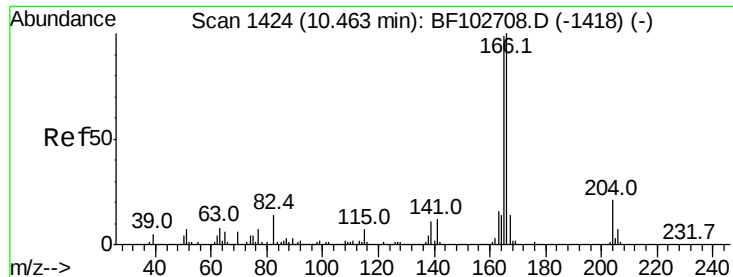
Abundance Ion 165.00 (164.70 to 165.70): E

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

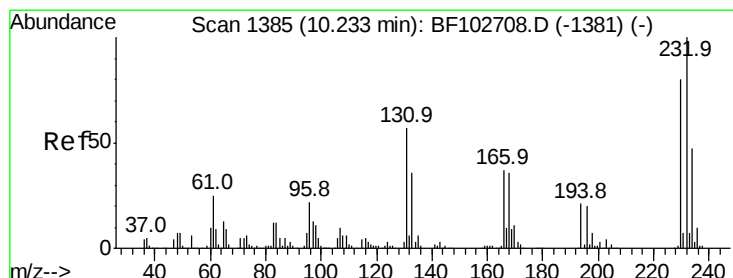
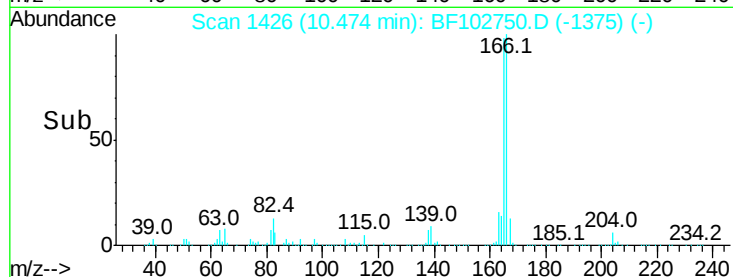
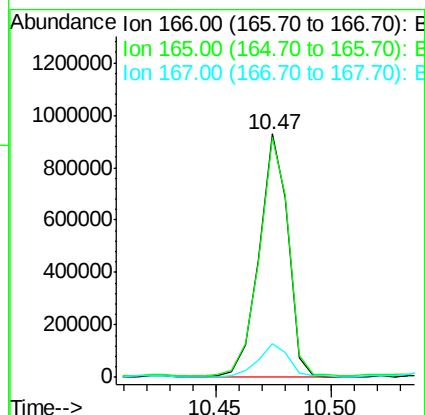
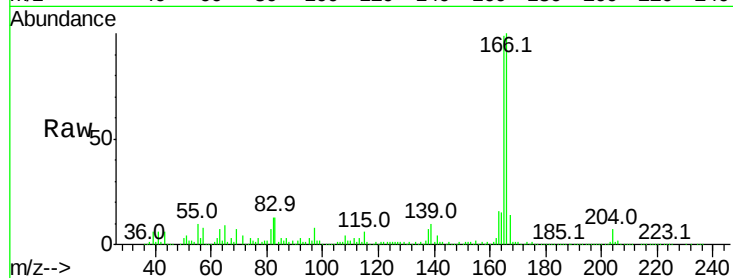




#57
Fluorene
 Concen: 37.364 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

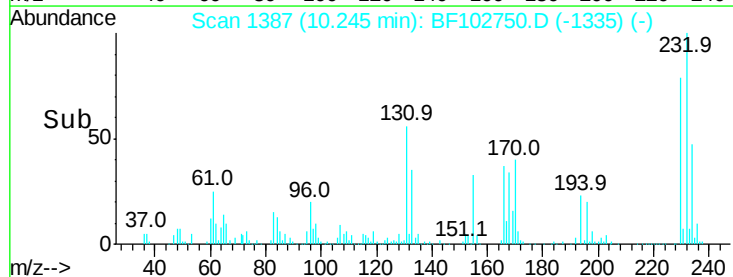
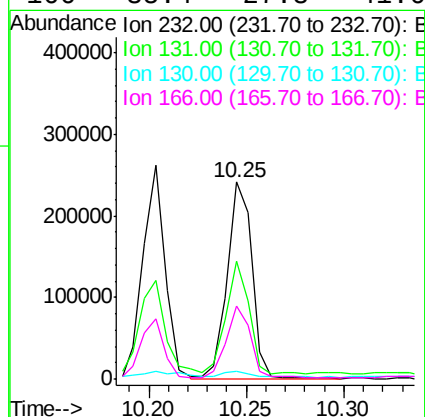
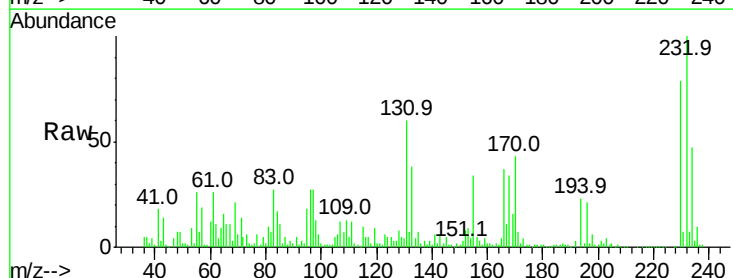
Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)MSD

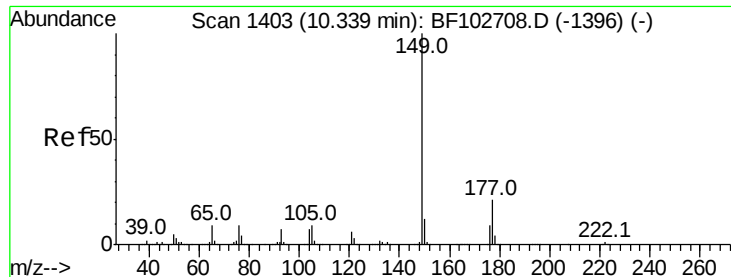
Tot Ion:166 Resp: 802522
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.8 119.8
 167 13.6 10.6 16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 44.414 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. 0.01 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Tgt Ion:232 Resp: 211037
 Ion Ratio Lower Upper
 232 100
 131 52.3 43.8 65.8
 130 4.3 2.1 3.1#
 166 35.4 27.8 41.6

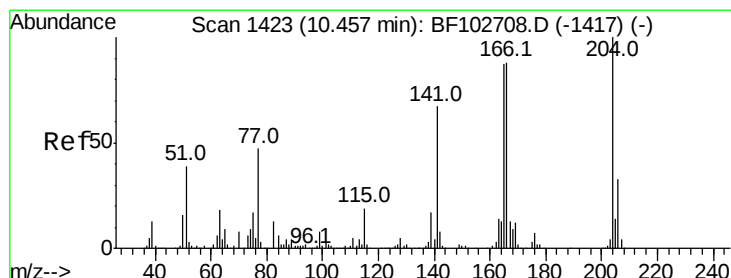
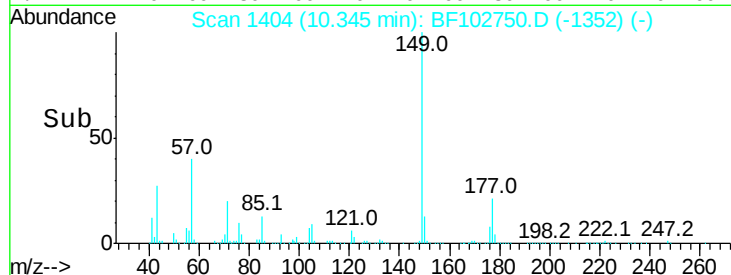
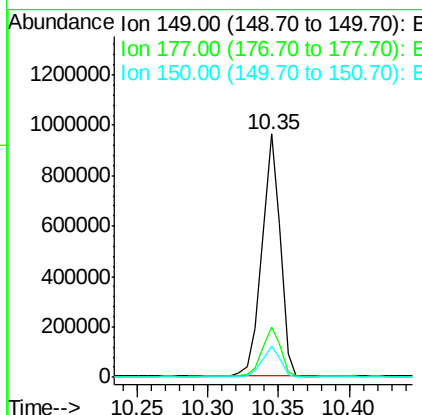
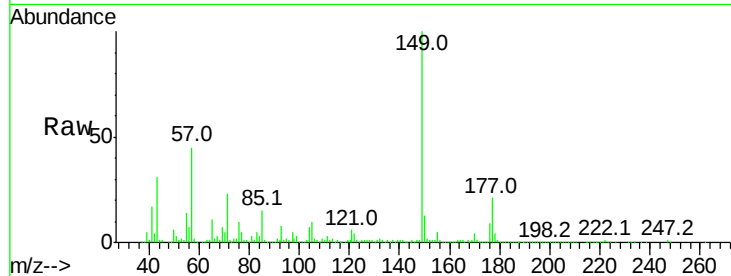




#59
Diethylphthalate
Concen: 33.921 ng
RT: 10.35 min Scan# 1404
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

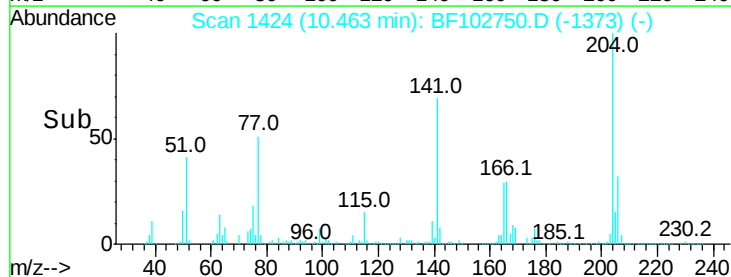
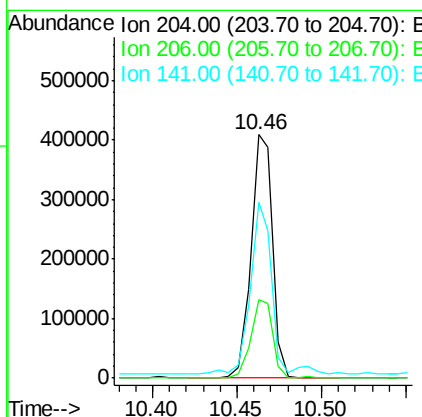
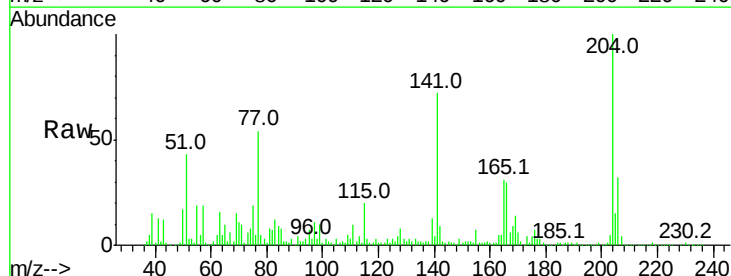
Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)MSD

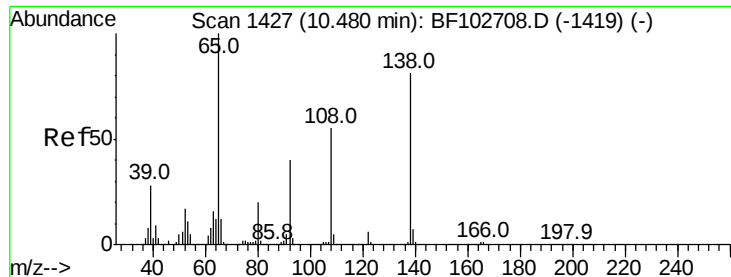
Tot Ion:149 Resp: 888229
Ion Ratio Lower Upper
149 100
177 20.8 16.1 24.1
150 13.0 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 38.209 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Tgt Ion:204 Resp: 363047
Ion Ratio Lower Upper
204 100
206 32.1 26.5 39.7
141 71.9 54.6 81.8





#61

4-Nitroaniline

Concen: 38.228 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.00 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

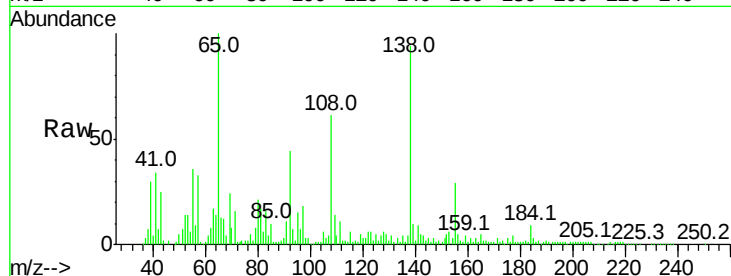
Tot Ion:138 Resp: 225893

Ion Ratio Lower Upper

138 100

92 46.6 30.2 70.2

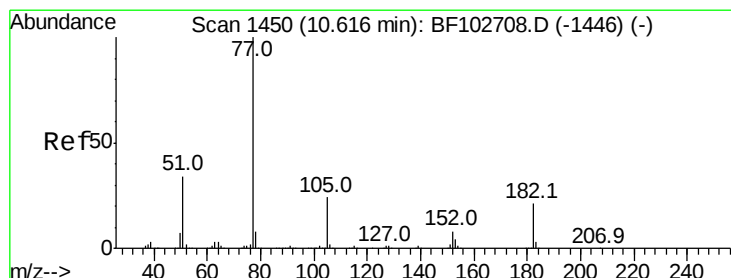
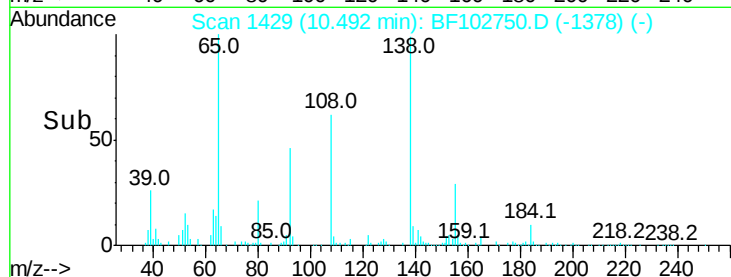
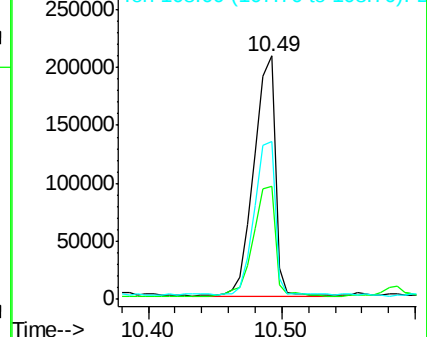
108 64.9 52.5 92.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 32.966 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Tgt Ion: 77 Resp: 862362

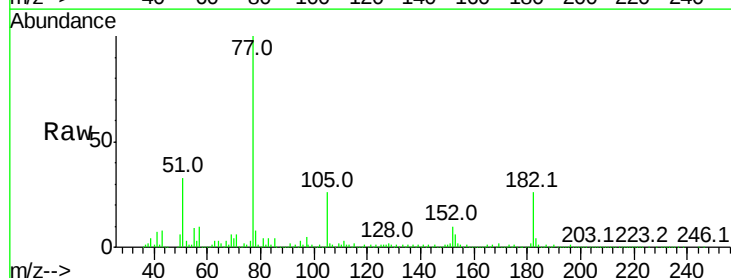
Ion Ratio Lower Upper

77 100

182 25.9 1.7 41.7

105 25.6 3.0 43.0

51 32.6 9.9 49.9

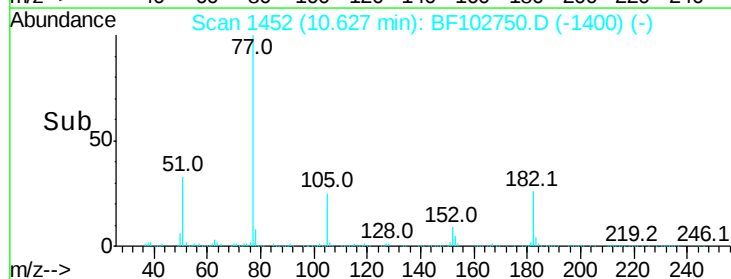
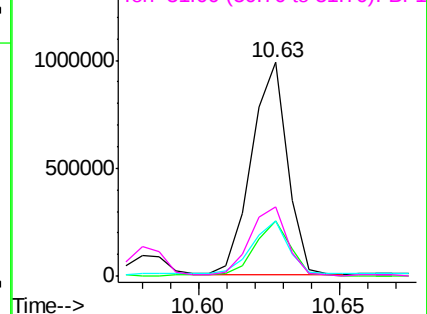


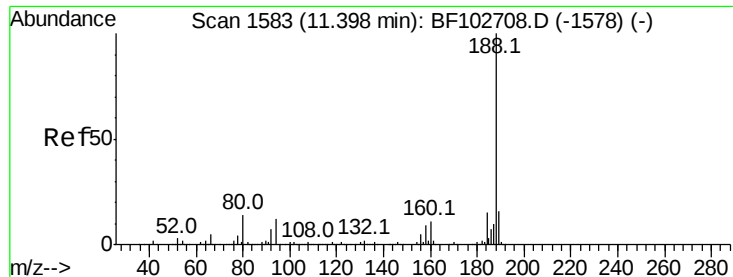
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

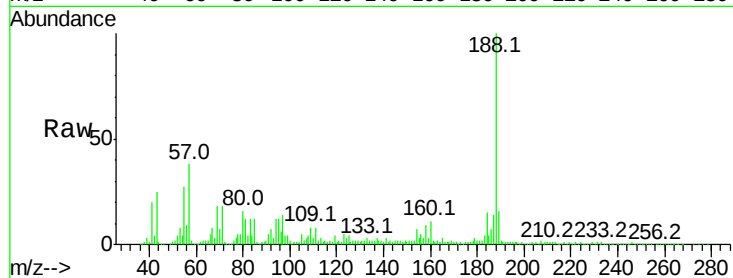
Tot Ion:188 Resp: 448251

Ion Ratio Lower Upper

188 100

94 12.1 8.5 12.7

80 16.2 9.2 13.8#

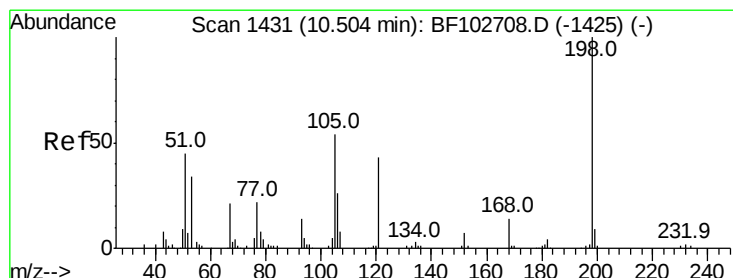
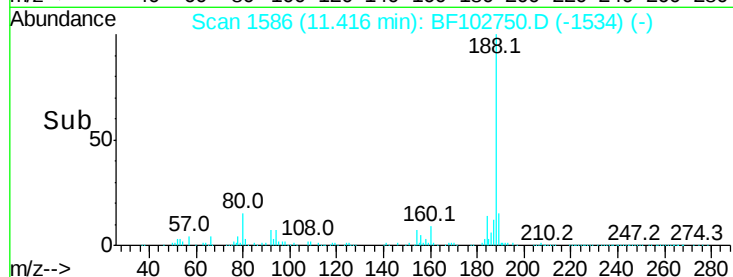


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time--> 11.35 11.40 11.45



#64

4,6-Dinitro-2-methylphenol

Concen: 17.007 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

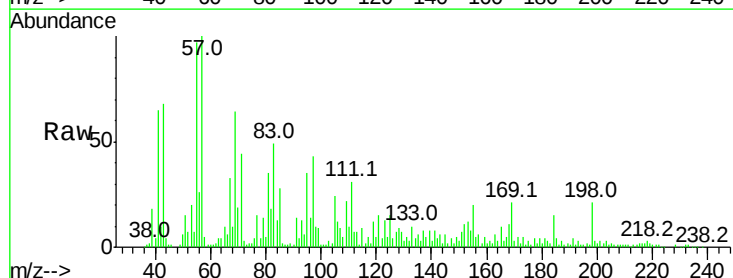
Tgt Ion:198 Resp: 16997

Ion Ratio Lower Upper

198 100

51 70.9 37.7 77.7

105 118.7 36.3 76.3#

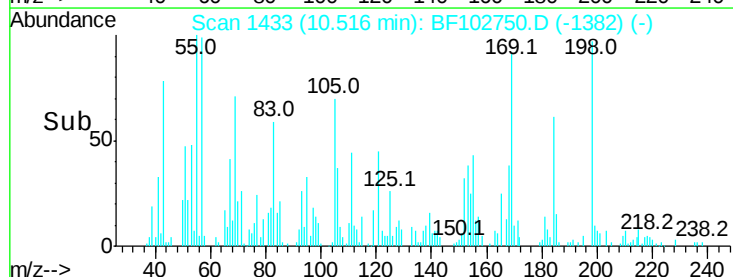


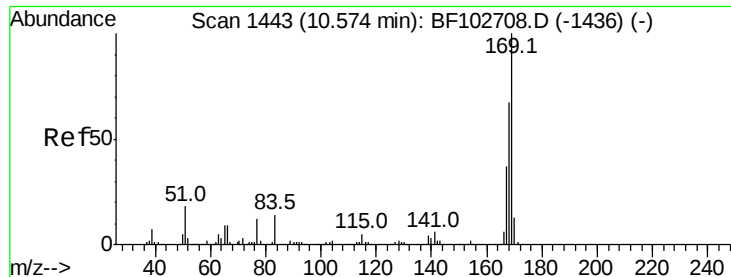
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

Time--> 10.50 10.52 10.55





#65

n-Nitrosodiphenylamine

Concen: 48.969 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

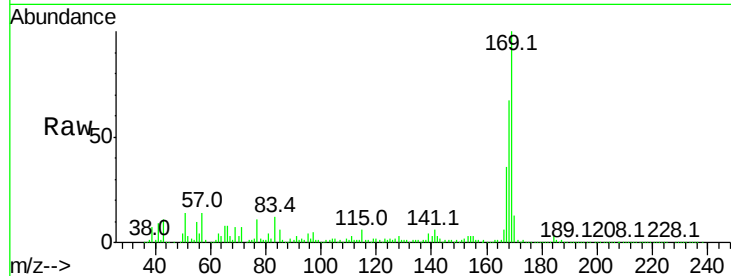
Tot Ion:169 Resp: 774249

Ion Ratio Lower Upper

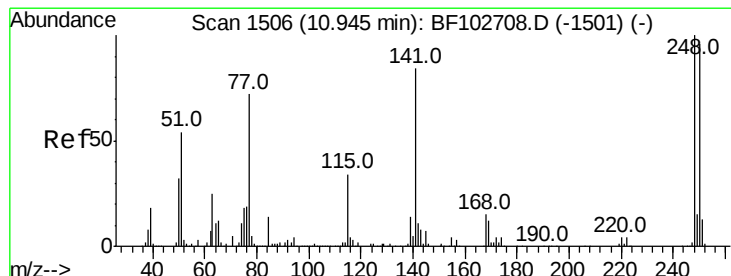
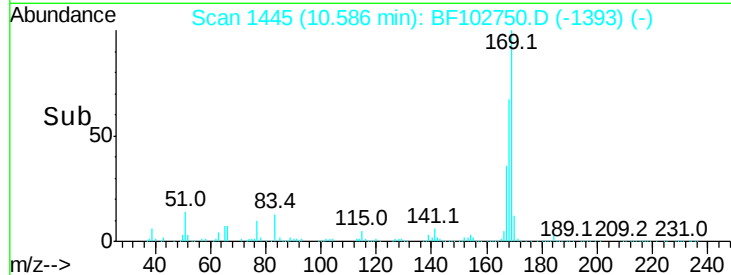
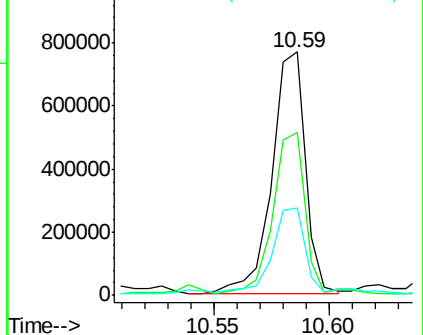
169 100

168 66.9 54.4 81.6

167 36.1 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 46.202 ng

RT: 10.96 min Scan# 1508

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

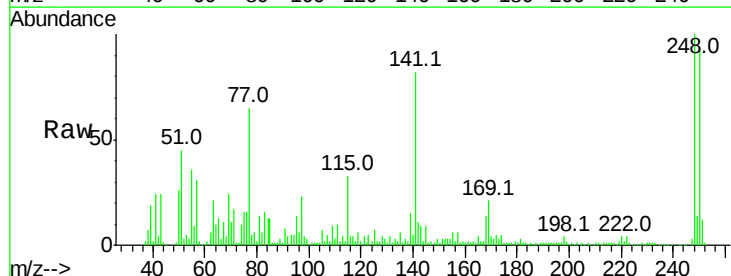
Tgt Ion:248 Resp: 219074

Ion Ratio Lower Upper

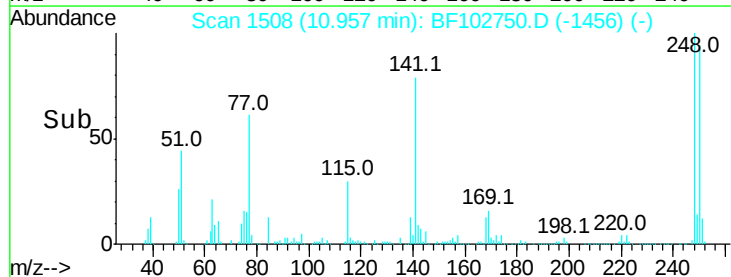
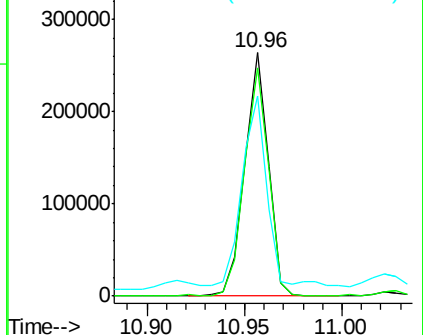
248 100

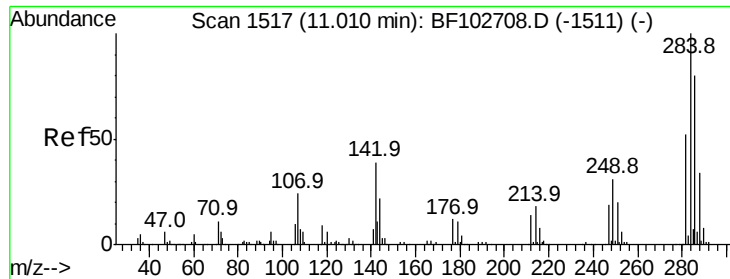
250 93.9 76.9 115.3

141 82.3 74.4 111.6



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

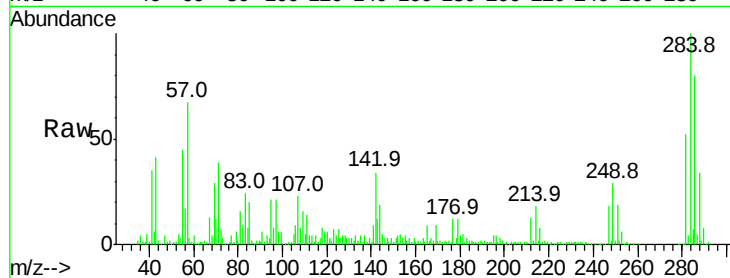




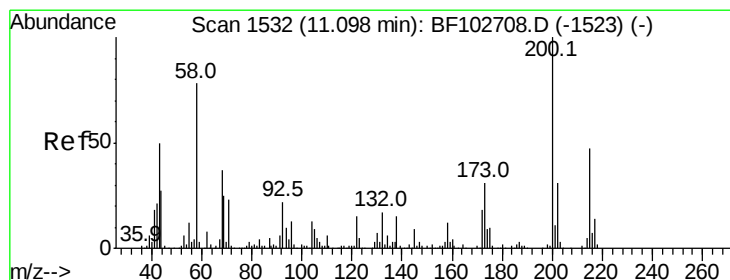
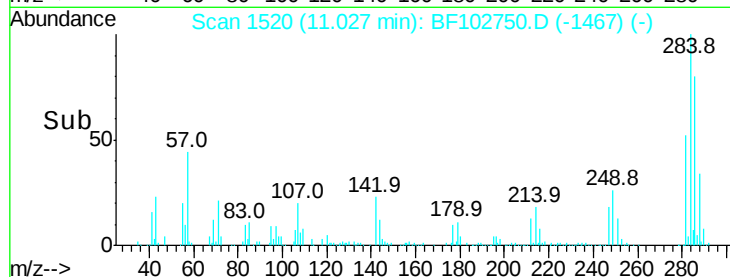
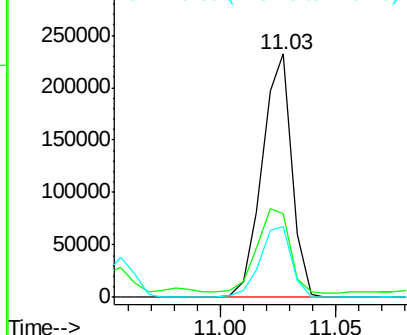
#67
Hexachlorobenzene
Concen: 39.850 ng
RT: 11.03 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)MSD

Tot Ion:284 Resp: 208451
Ion Ratio Lower Upper
284 100
142 34.2 34.6 52.0#
249 29.0 24.8 37.2

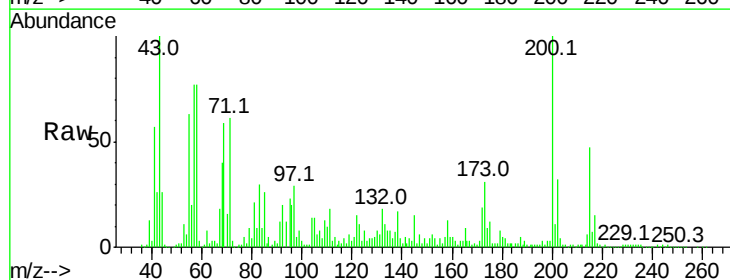


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

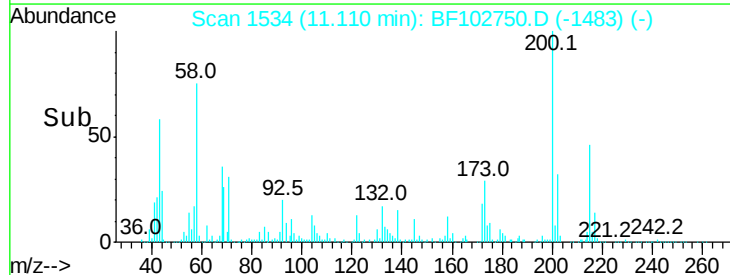
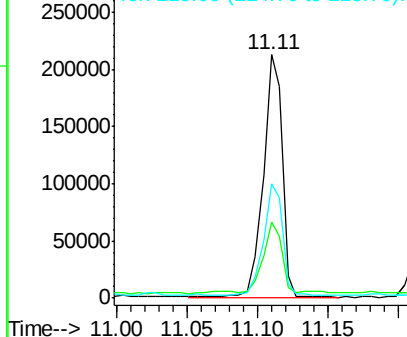


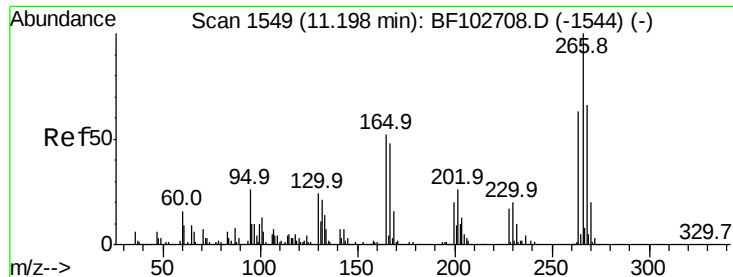
#68
Atrazine
Concen: 43.197 ng
RT: 11.11 min Scan# 1534
Delta R.T. -0.00 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Tgt Ion:200 Resp: 201492
Ion Ratio Lower Upper
200 100
173 31.0 8.6 48.6
215 46.9 25.1 65.1



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

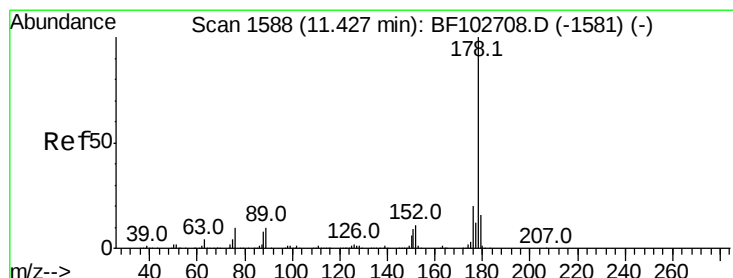
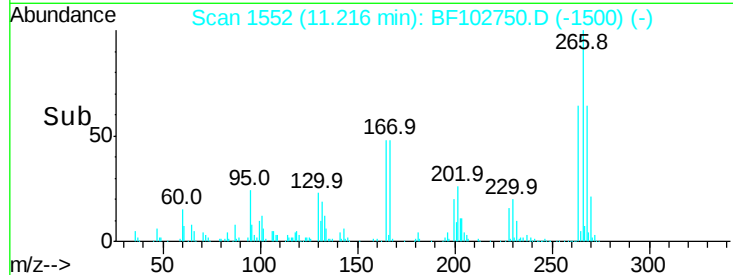
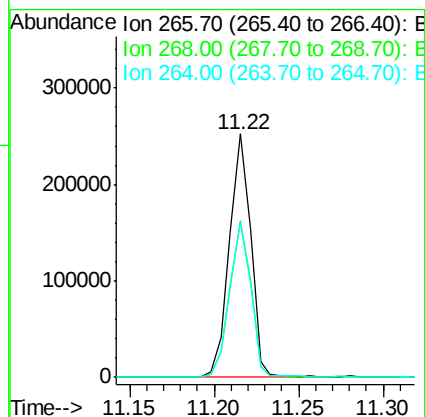
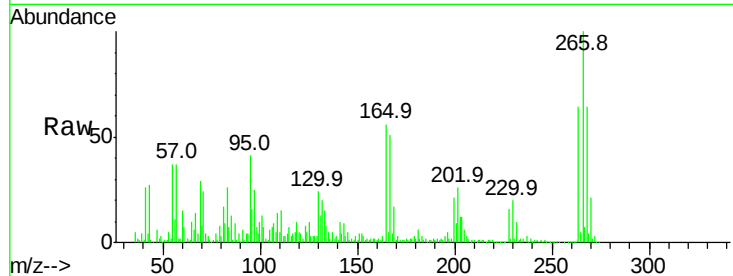




#69
 Pentachlorophenol
 Concen: 72.404 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.01 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

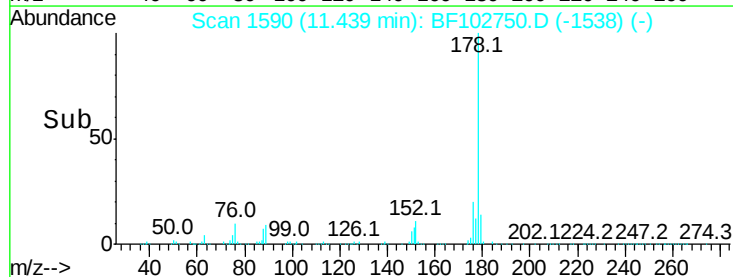
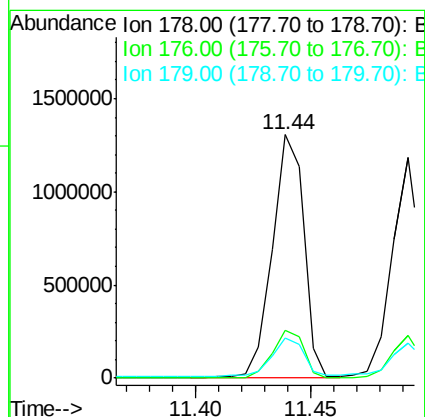
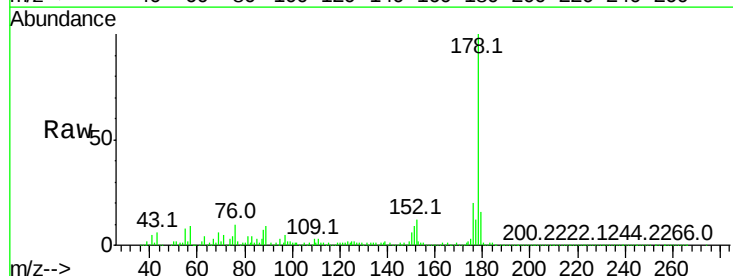
Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)MSD

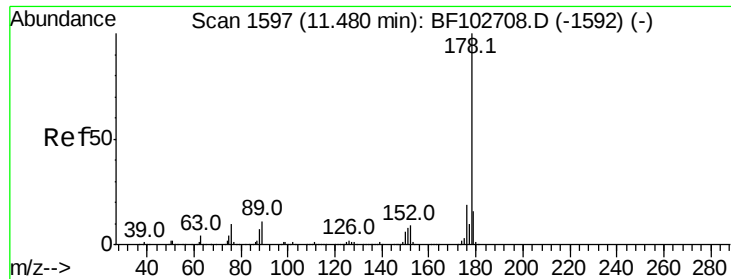
Tot Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.1	76.7
264	63.9	49.5	74.3



#70
 Phenanthrene
 Concen: 49.182 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	16.4	13.0	19.6



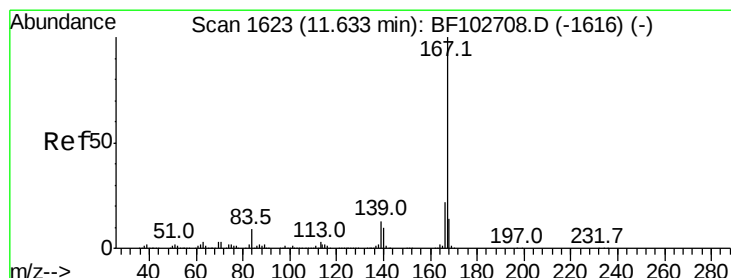
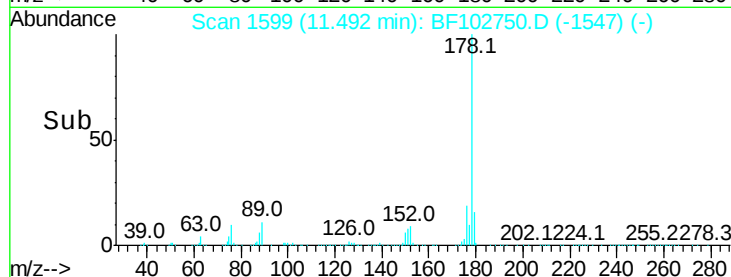
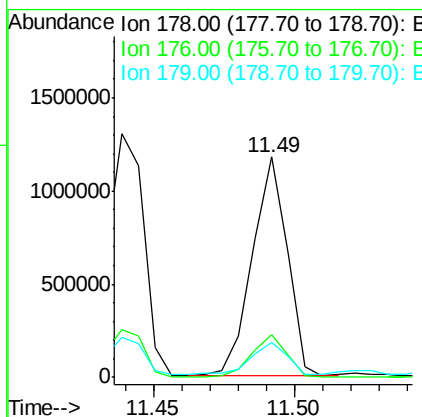
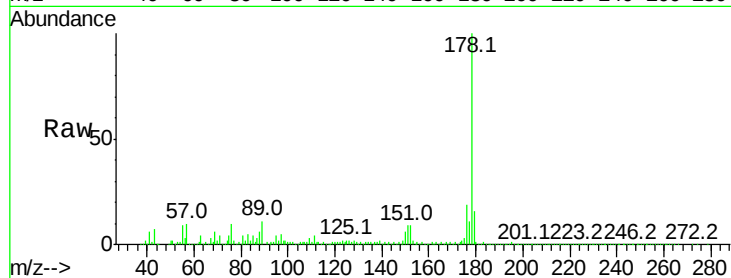


#71
 Anthracene
 Concen: 39.608 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)MSD

Tot Ion:178 Resp: 1005697

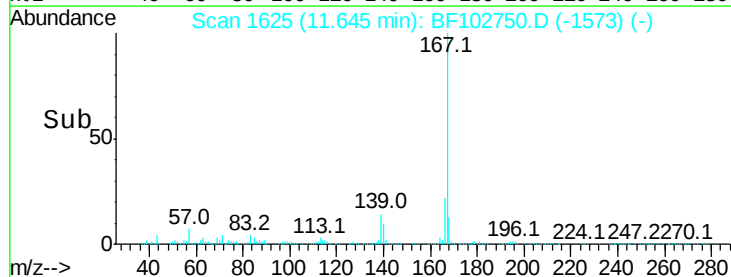
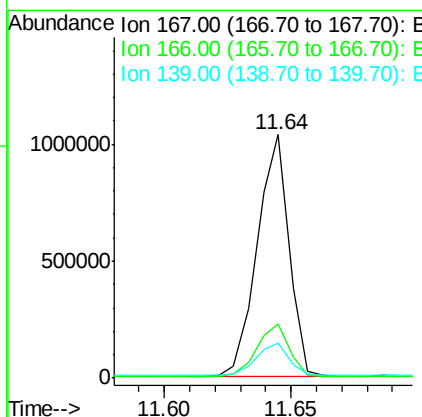
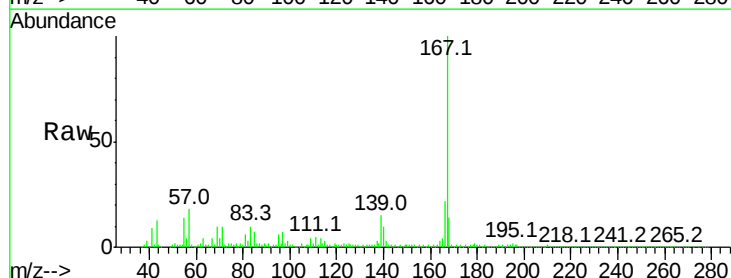
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.1	12.6	19.0

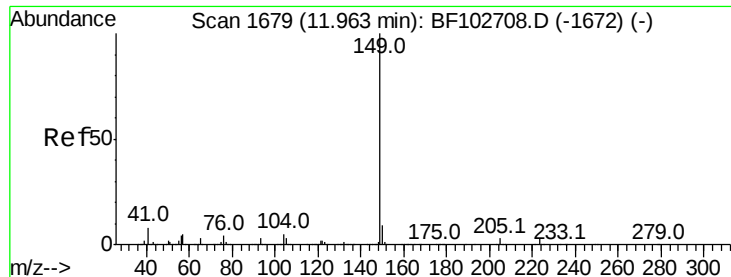


#72
 Carbazole
 Concen: 36.296 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Tgt Ion:167 Resp: 902883

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	14.6	10.9	16.3

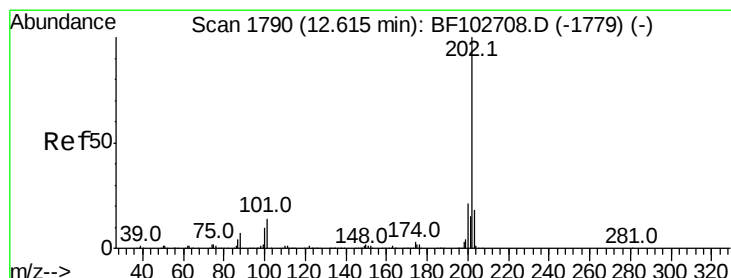
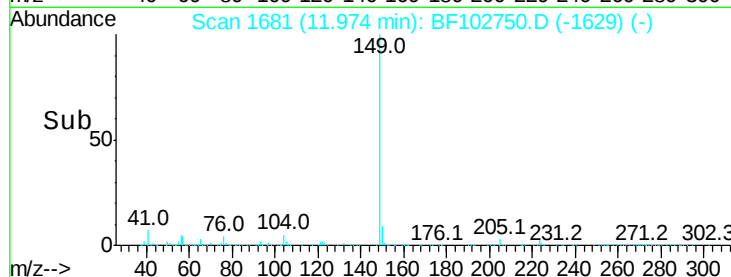
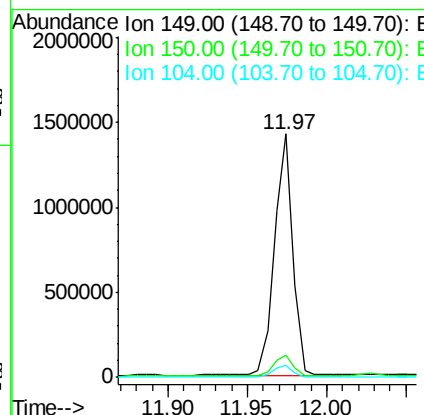
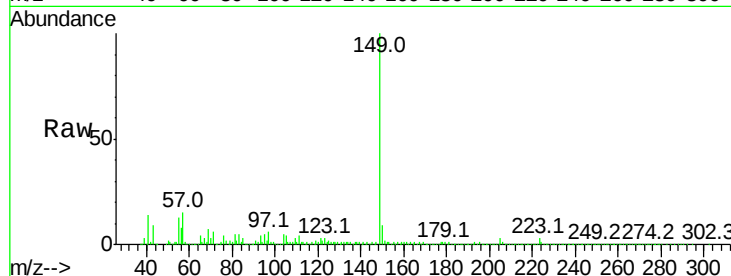




#73
Di-n-butylphthalate
Concen: 37.774 ng
RT: 11.97 min Scan# 1681
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

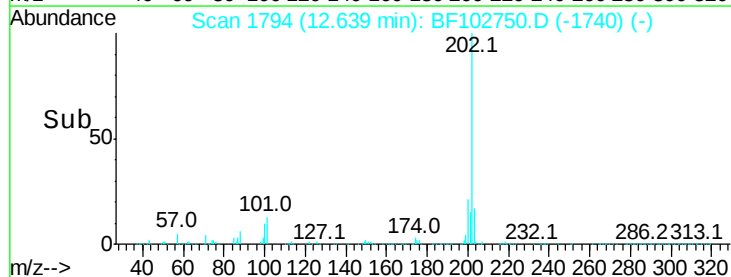
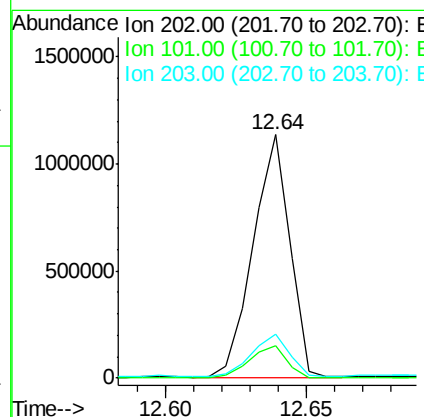
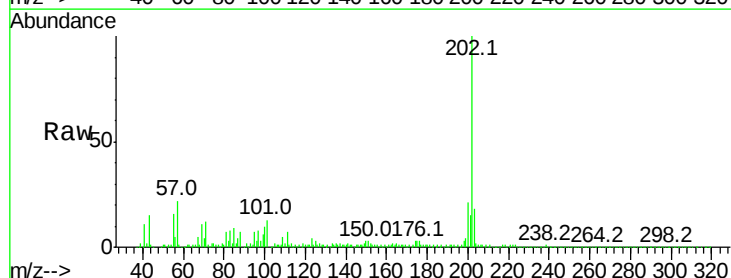
Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)MSD

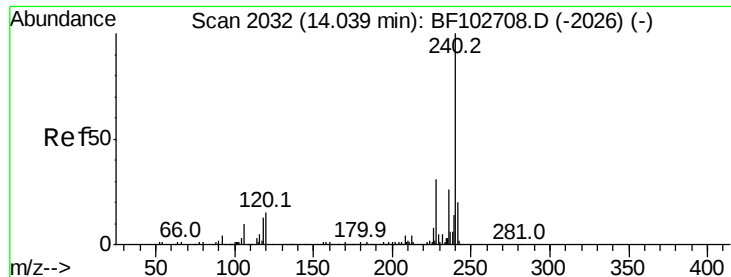
Tot Ion:149 Resp: 1141426
Ion Ratio Lower Upper
149 100
150 9.4 7.8 11.6
104 5.0 3.8 5.8



#74
Fluoranthene
Concen: 40.588 ng
RT: 12.64 min Scan# 1794
Delta R.T. 0.02 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Tgt Ion:202 Resp: 1019470
Ion Ratio Lower Upper
202 100
101 13.5 0.0 34.1
203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

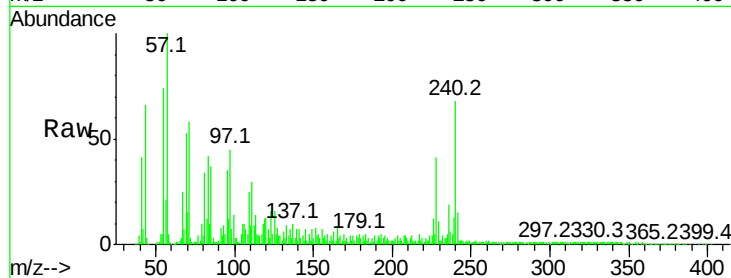
Tot Ion:240 Resp: 213314

Ion Ratio Lower Upper

240 100

120 19.4 9.5 14.3#

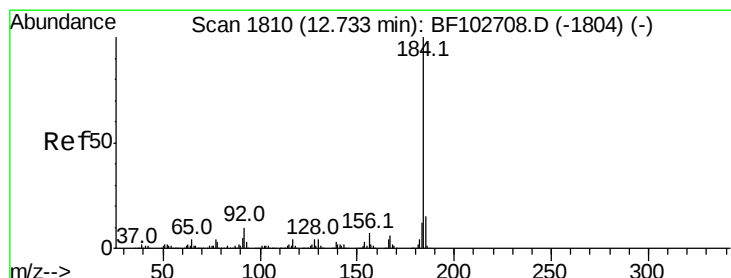
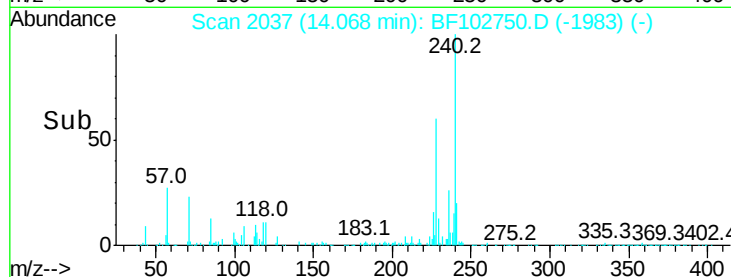
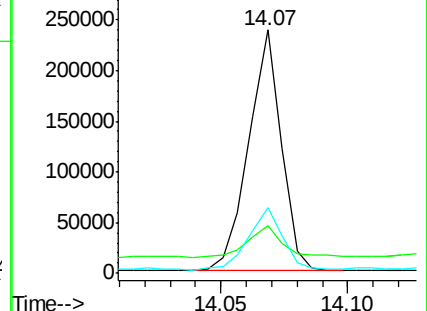
236 27.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 23.944 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

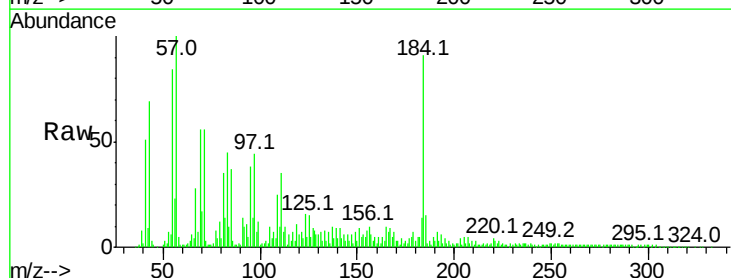
Tgt Ion:184 Resp: 234746

Ion Ratio Lower Upper

184 100

185 16.3 12.6 18.8

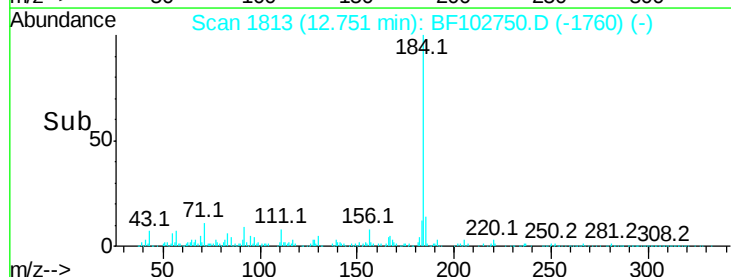
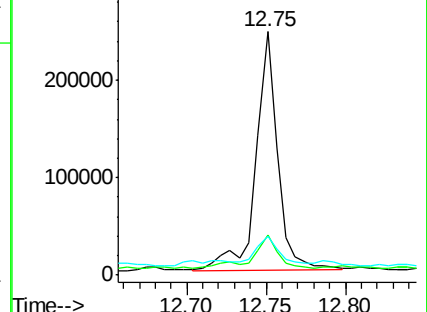
183 16.0 9.3 13.9#

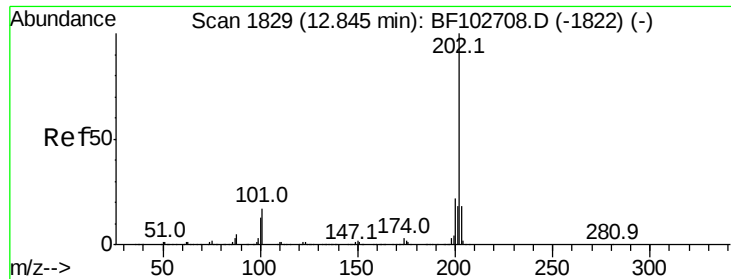


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

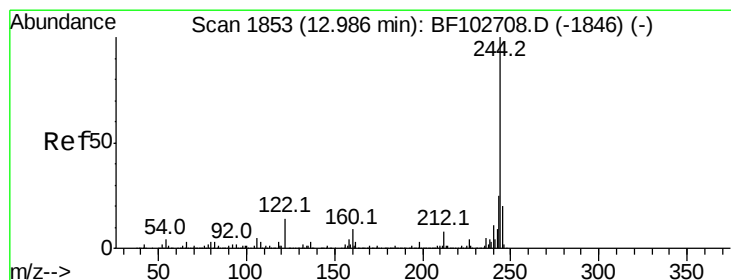
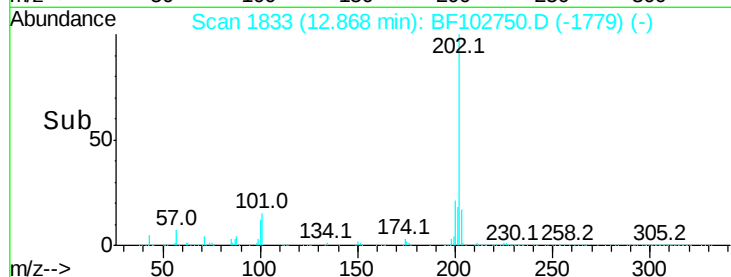
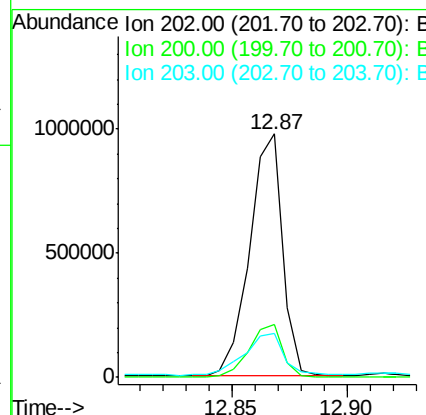
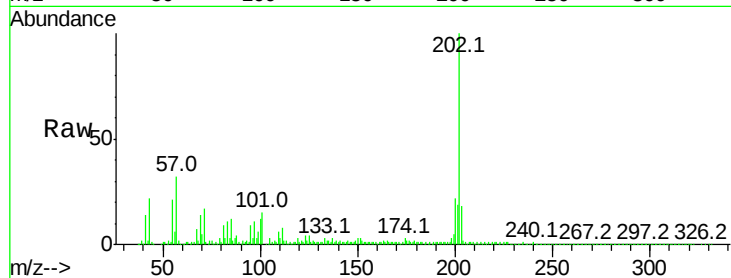




#77
Pvrene
Concen: 58.377 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.02 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

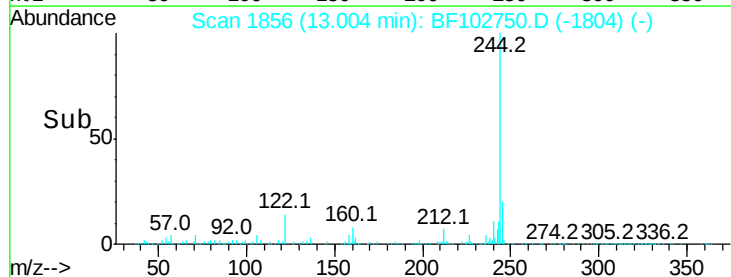
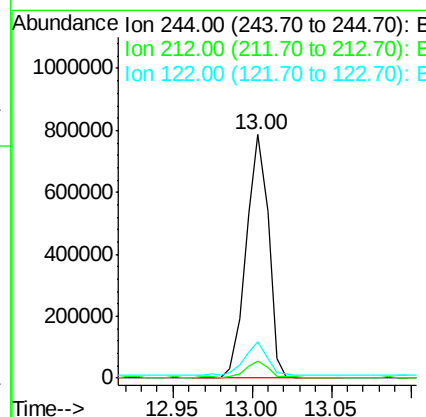
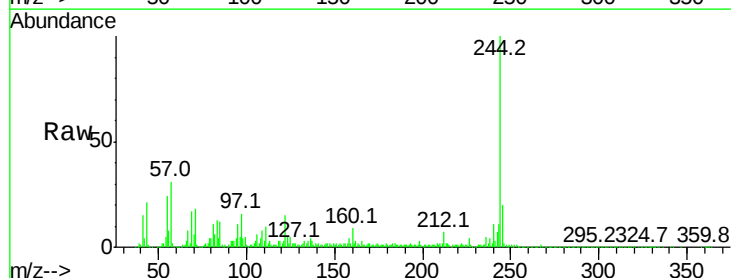
Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)MSD

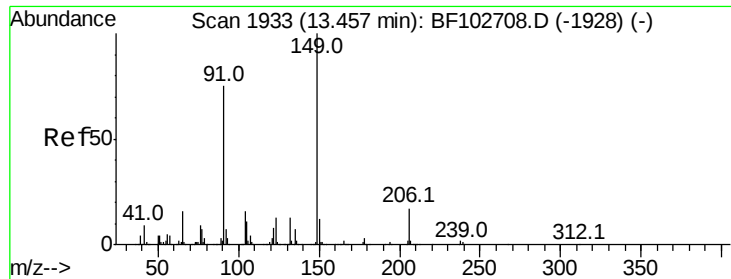
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.2	14.3	21.5



#78
Terphenyl-d14
Concen: 83.997 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	14.9	11.0	16.4

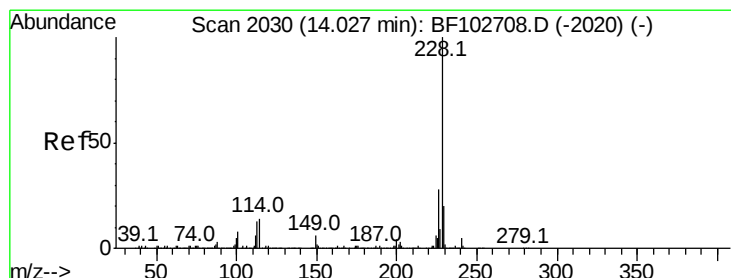
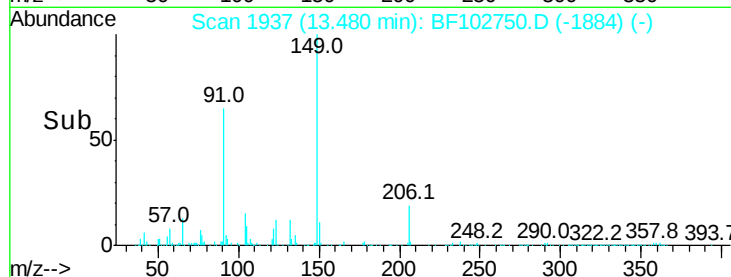
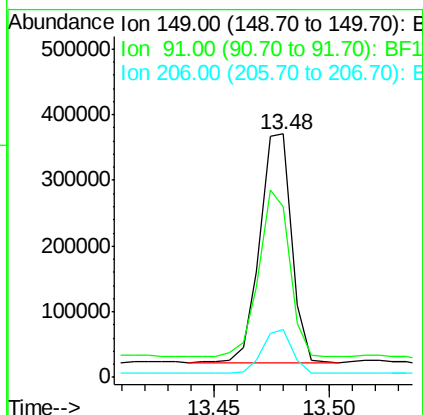
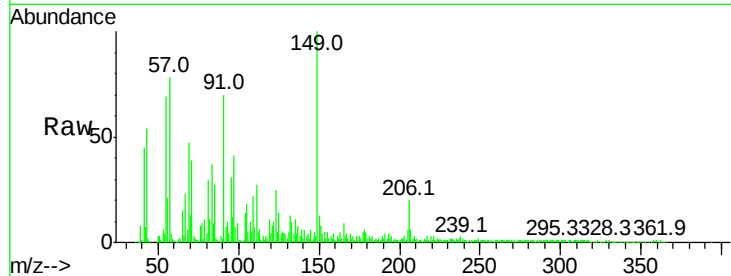




#79
Butylbenzylphthalate
Concen: 42.022 ng
RT: 13.48 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

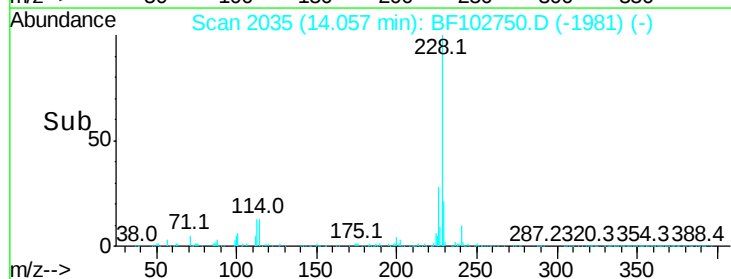
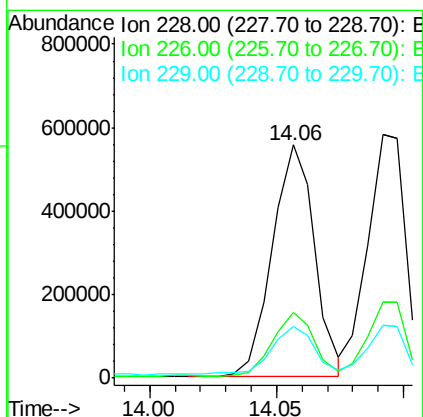
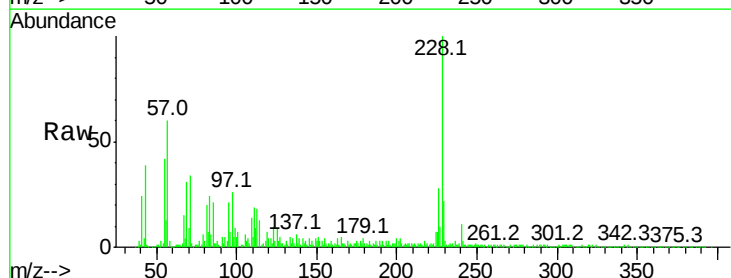
Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)MSD

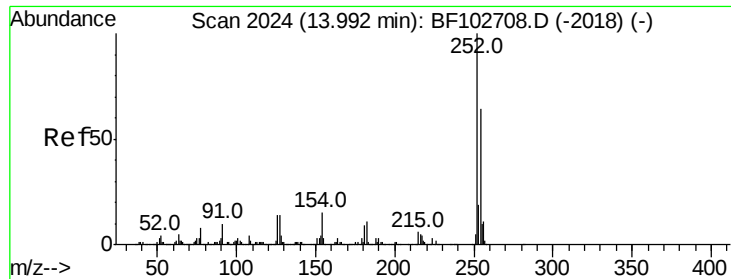
Tot Ion	Ratio	Lower	Upper
149	100		
91	70.0	56.8	85.2
206	19.6	14.1	21.1



#80
Benzo(a)anthracene
Concen: 47.953 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.02 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	22.0	15.8	23.6

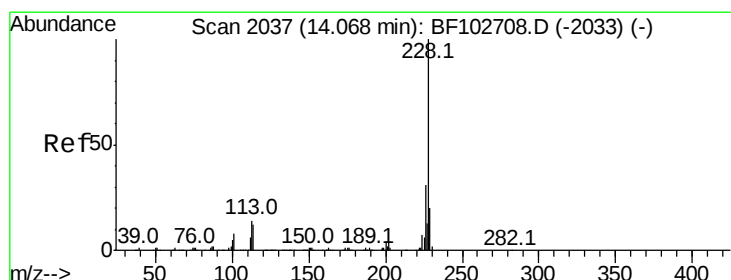
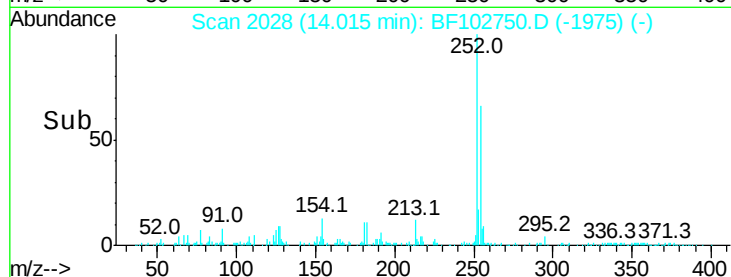
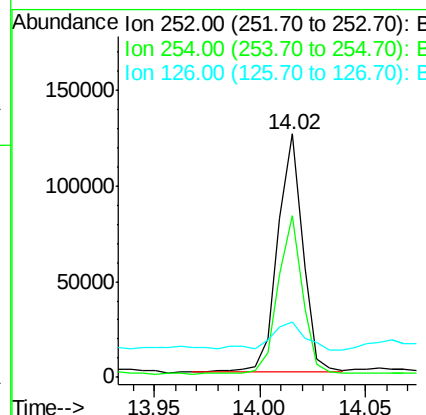
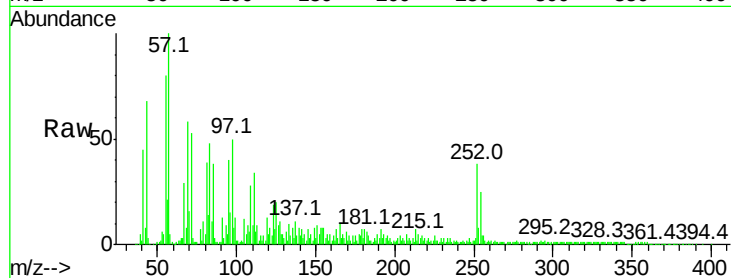




#81
 3,3'-Dichlorobenzidine
 Concen: 20.741 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

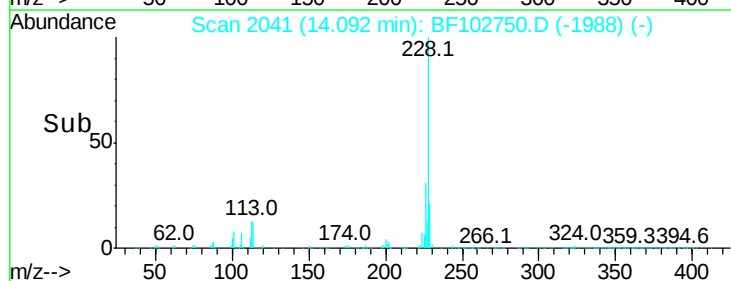
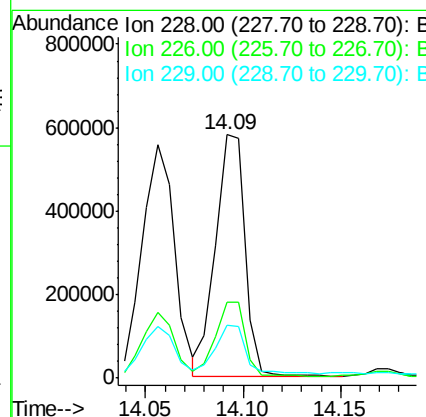
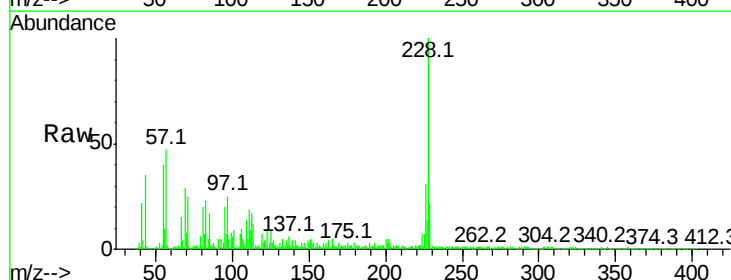
Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)MSD

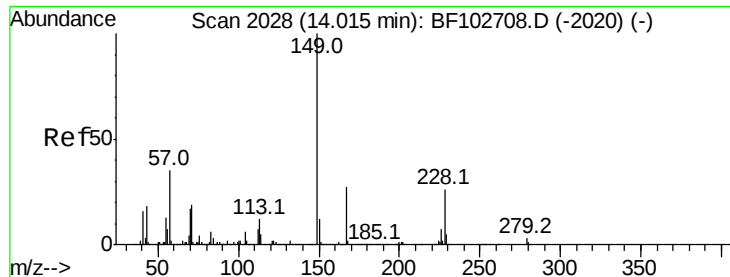
Tot Ion:252 Resp: 103171
 Ion Ratio Lower Upper
 252 100
 254 66.3 50.4 75.6
 126 22.9 11.3 16.9#



#82
 Chrysene
 Concen: 45.038 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. 0.01 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Tgt Ion:228 Resp: 609071
 Ion Ratio Lower Upper
 228 100
 226 31.3 25.0 37.6
 229 21.7 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.553 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.02 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

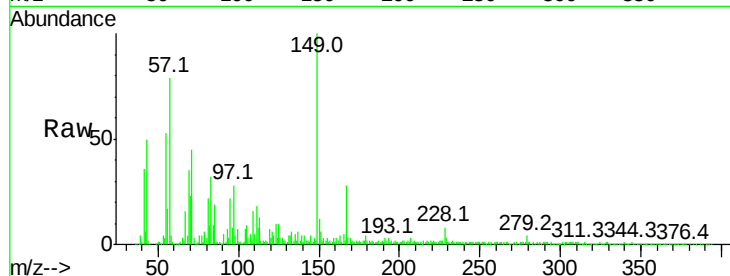
Tot Ion:149 Resp: 477018

Ion Ratio Lower Upper

149 100

167 27.8 21.3 31.9

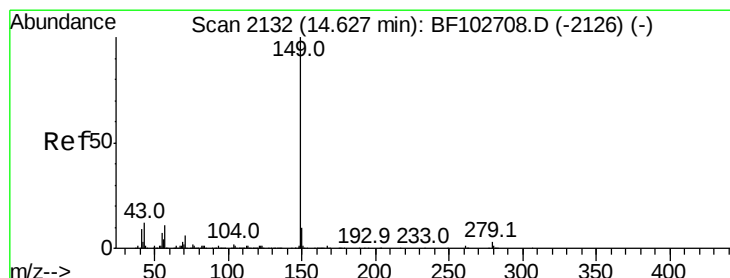
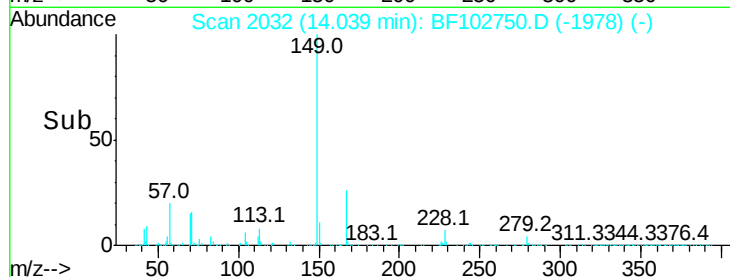
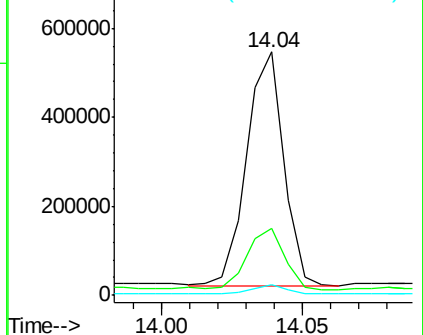
279 4.2 3.0 4.4



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



#84

Di-n-octyl phthalate

Concen: 48.686 ng

RT: 14.65 min Scan# 2136

Delta R.T. 0.01 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

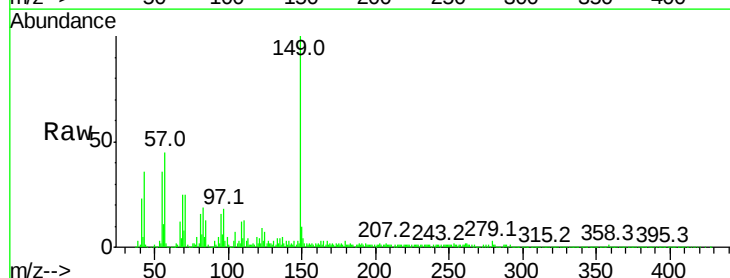
Tgt Ion:149 Resp: 749081

Ion Ratio Lower Upper

149 100

167 1.3 1.2 1.8

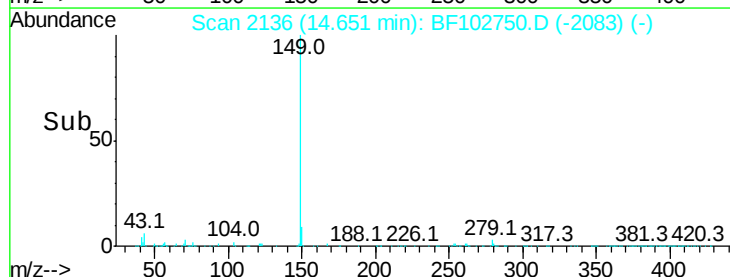
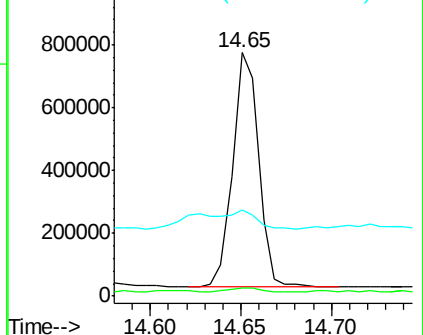
43 7.8 8.4 12.6#

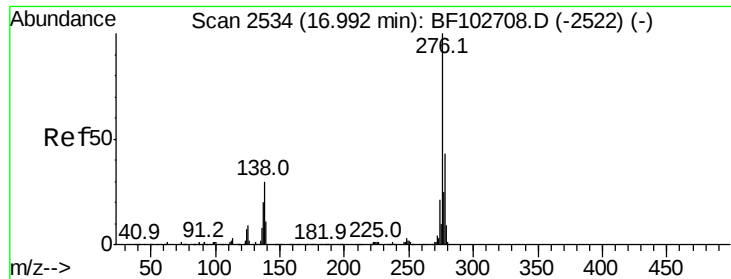


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

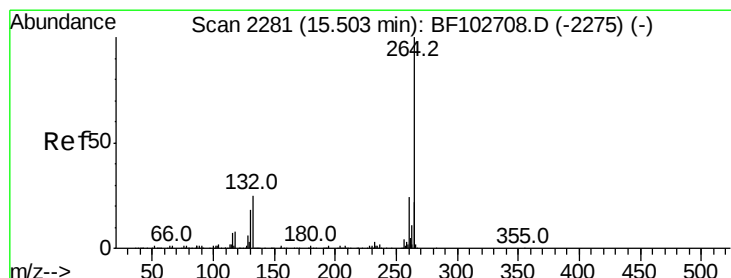
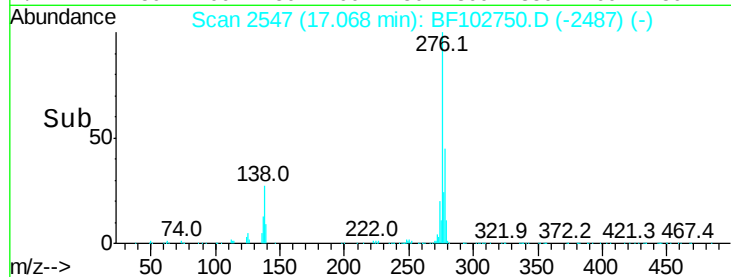
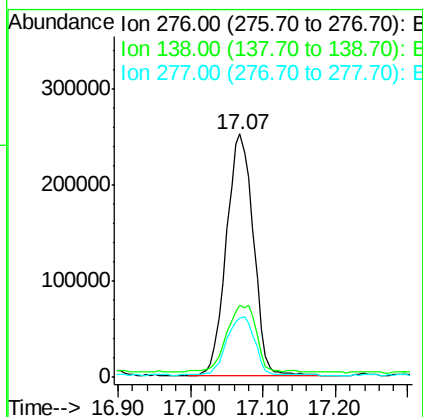
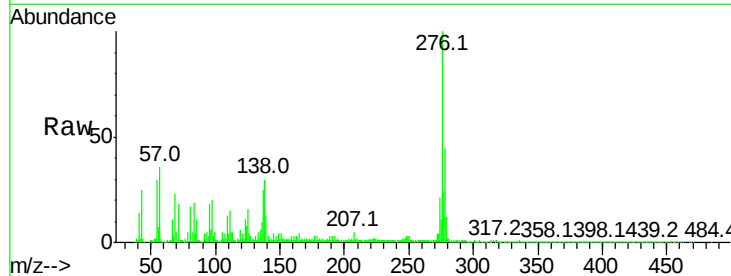




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 58.015 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. 0.05 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

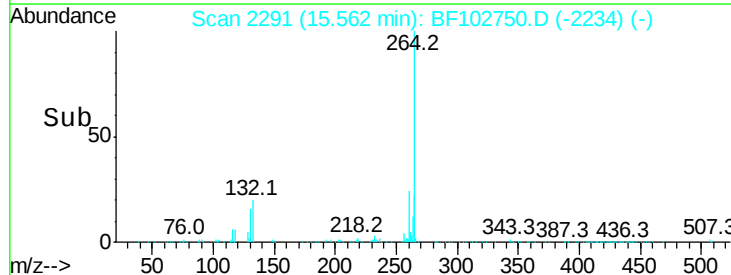
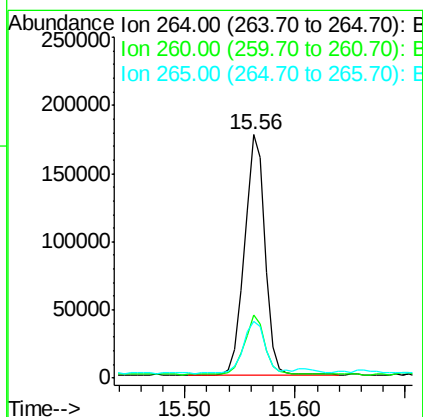
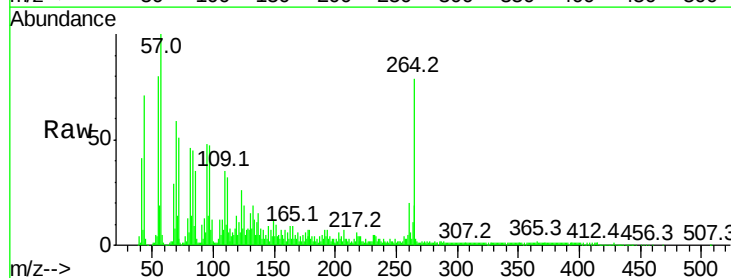
Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-9-WW(1-4)MSD

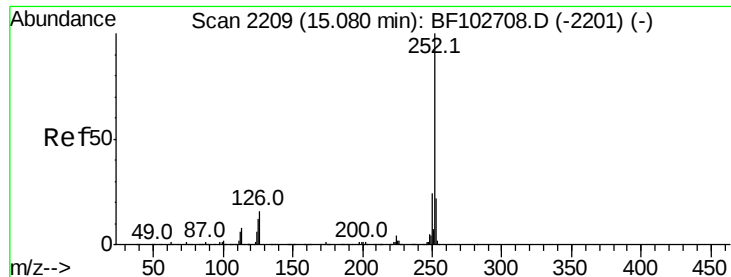
Tot Ion:276 Resp: 650703
 Ion Ratio Lower Upper
 276 100
 138 30.3 25.0 37.6
 277 24.5 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.04 min
 Lab File: BF102750.D
 Acq: 5 Feb 2018 20:48

Tgt Ion:264 Resp: 230773
 Ion Ratio Lower Upper
 264 100
 260 25.8 19.2 28.8
 265 23.6 17.5 26.3

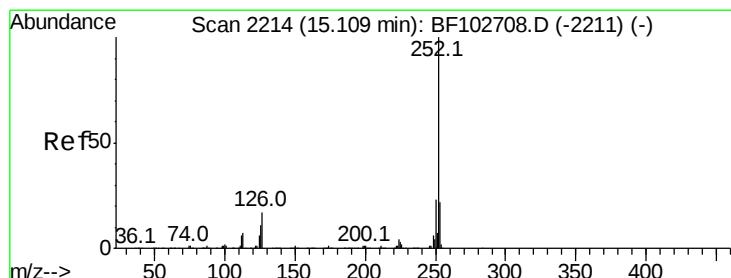
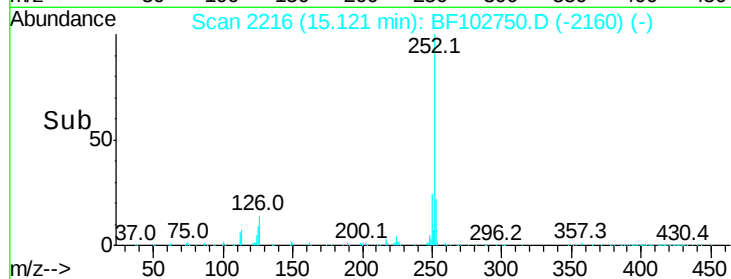
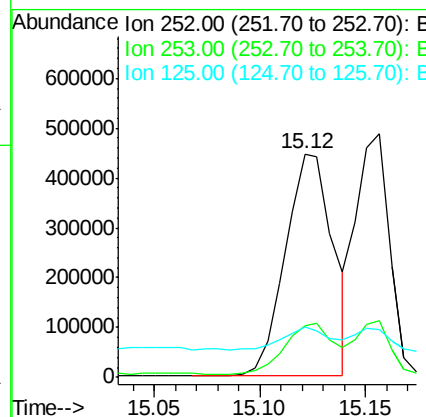
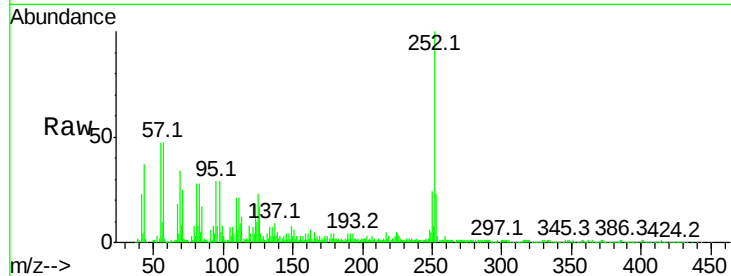




#87
Benzo(b)fluoranthene
Concen: 46.843 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.03 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

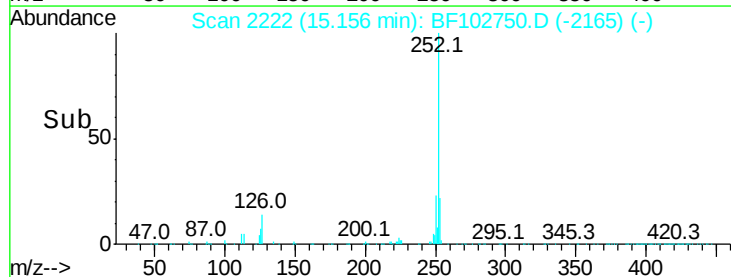
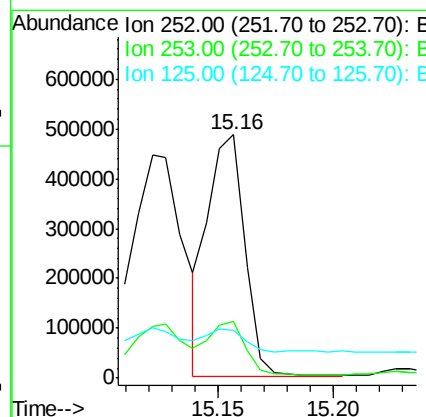
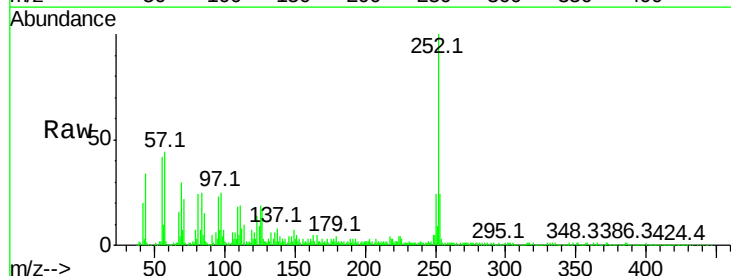
Instrument :
BNA_F
ClientSampleId :
8-SAN-9-WW(1-4)MSD

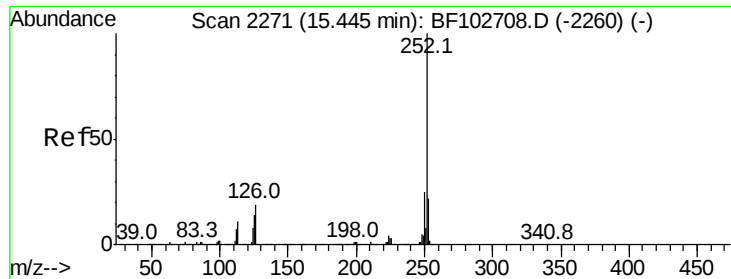
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	22.8	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 37.740 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.04 min
Lab File: BF102750.D
Acq: 5 Feb 2018 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	19.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 46.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.04 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

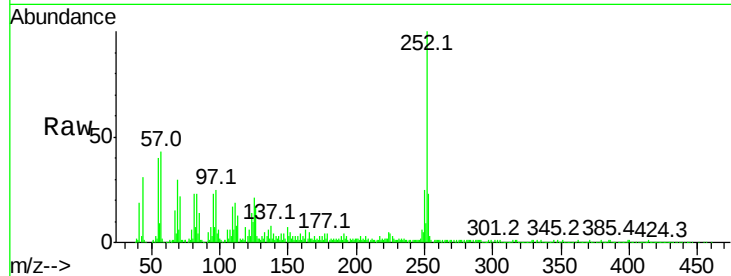
Tot Ion:252 Resp: 619509

Ion Ratio Lower Upper

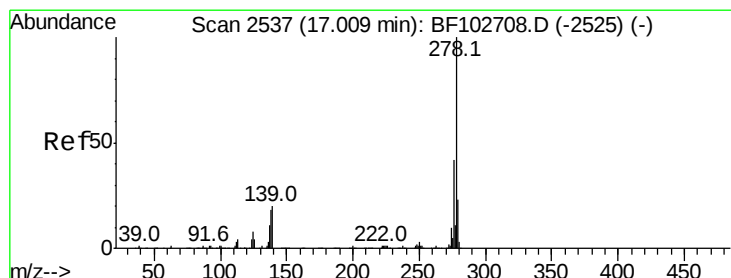
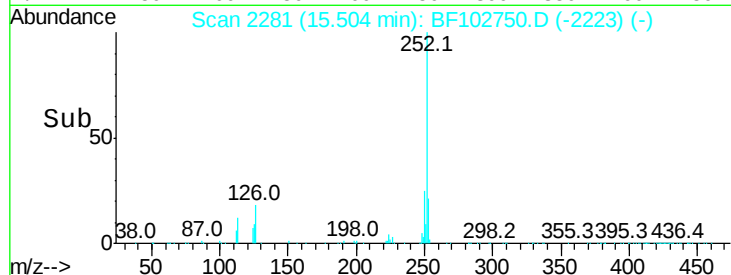
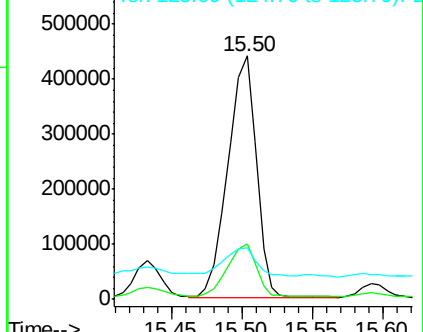
252 100

253 22.5 17.1 25.7

125 21.1 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 45.623 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.05 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

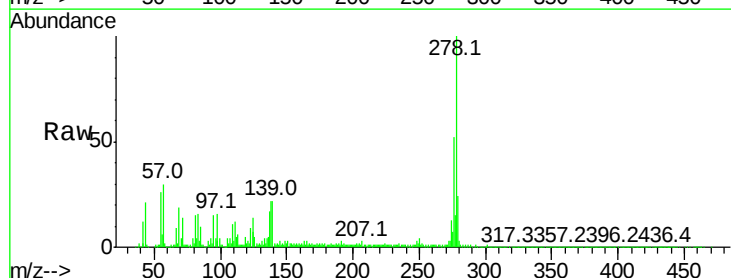
Tgt Ion:278 Resp: 498715

Ion Ratio Lower Upper

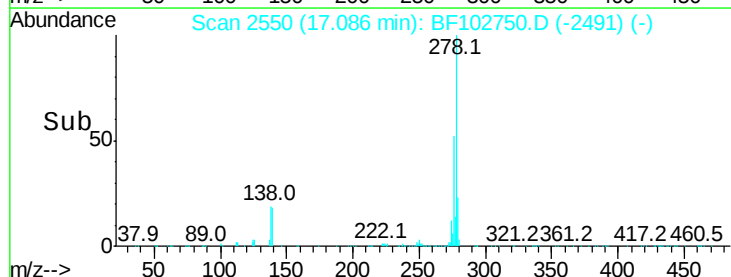
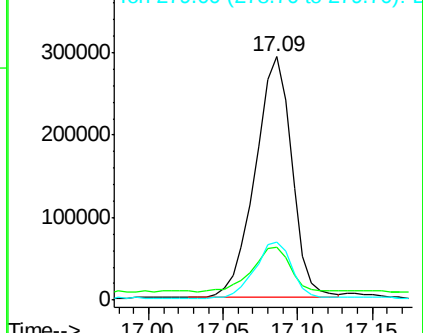
278 100

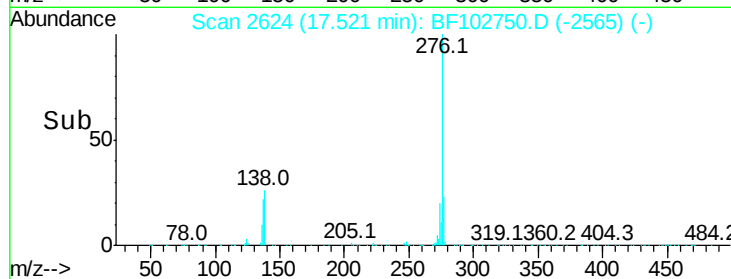
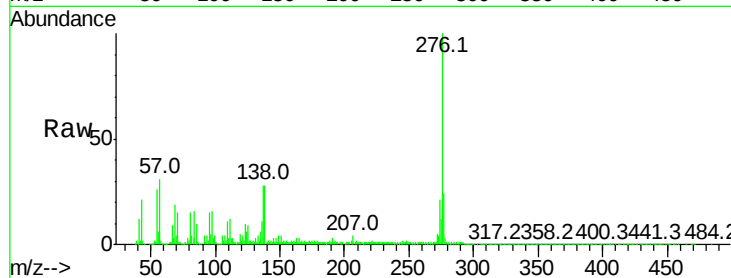
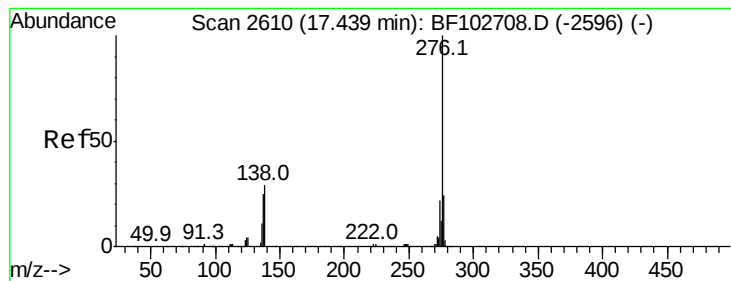
139 21.6 15.9 23.9

279 23.9 19.0 28.4



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





#91

Benzo(a,h,i)perylene

Concen: 51.367 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.05 min

Lab File: BF102750.D

Acq: 5 Feb 2018 20:48

Instrument :

BNA_F

ClientSampleId :

8-SAN-9-WW(1-4)MSD

Tot Ion:276 Resp: 549595

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 28.2 21.8 32.8

