

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109218.D
 Acq On : 22 Sep 2018 13:55
 Operator : JU/SJ
 Sample : PB113087BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:46:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	101629	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	412390	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	202112	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	395938	20.00	ng	0.00
75) Chrysene-d12	13.84	240	276929	20.00	ng	0.00
86) Perylene-d12	15.23	264	236617	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	648931	105.17	ng	0.00
7) Phenol-d6	6.35	99	810512	102.94	ng	-0.01
23) Nitrobenzene-d5	7.27	82	511735	73.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	210081	105.44	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	969869	72.37	ng	-0.01
78) Terphenyl-d14	12.80	244	987182	87.48	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.45	88	109589	38.564	ng	93
3) Pyridine	3.15	79	306804	41.948	ng	90
4) n-Nitrosodimethylamine	3.09	42	141902	45.590	ng	# 98
6) Aniline	6.37	93	315781	31.348	ng	98
8) 2-Chlorophenol	6.49	128	280038	40.813	ng	98
9) Benzaldehyde	6.25	77	138999	27.481	ng	97
10) Phenol	6.36	94	346410	38.851	ng	# 66
11) bis(2-Chloroethyl)ether	6.45	93	270495	38.769	ng	97
12) 1,3-Dichlorobenzene	6.65	146	307407	38.912	ng	97
13) 1,4-Dichlorobenzene	6.72	146	313432	39.381	ng	99
14) 1,2-Dichlorobenzene	6.88	146	290718	39.596	ng	97
15) Benzyl Alcohol	6.85	79	254943	42.302	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.99	45	395446	39.958	ng	96
17) 2-Methylphenol	6.97	107	227128	40.910	ng	97
18) Hexachloroethane	7.22	117	115371	41.145	ng	99
19) n-Nitroso-di-n-propylamine	7.13	70	204061	39.553	ng	97
20) 3+4-Methylphenols	7.12	107	274746	40.988	ng	# 71
22) Acetophenone	7.12	105	383079	40.179	ng	# 92
24) Nitrobenzene	7.29	77	301400	40.577	ng	98
25) Isophorone	7.53	82	563452	44.790	ng	99
26) 2-Nitrophenol	7.60	139	136798	46.569	ng	95
27) 2,4-Dimethylphenol	7.65	122	253168	46.187	ng	98
28) bis(2-Chloroethoxy)methane	7.75	93	348800	41.886	ng	99
29) 2,4-Dichlorophenol	7.85	162	237233	41.193	ng	97
30) 1,2,4-Trichlorobenzene	7.93	180	244286	37.961	ng	96
31) Naphthalene	8.01	128	810367	42.051	ng	99
32) Benzoic acid	7.73	122	22933	12.082	ng	98
33) 4-Chloroaniline	8.06	127	202364	24.038	ng	98
34) Hexachlorobutadiene	8.13	225	147739	38.082	ng	99
35) Caprolactam	8.46	113	33593	18.270	ng	88
36) 4-Chloro-3-methylphenol	8.55	107	253075	41.760	ng	99
37) 2-Methylnaphthalene	8.70	142	548309	44.137	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	231386	35.973	ng	98
40) Hexachlorocyclopentadiene	8.86	237	282161	100.572	ng	97

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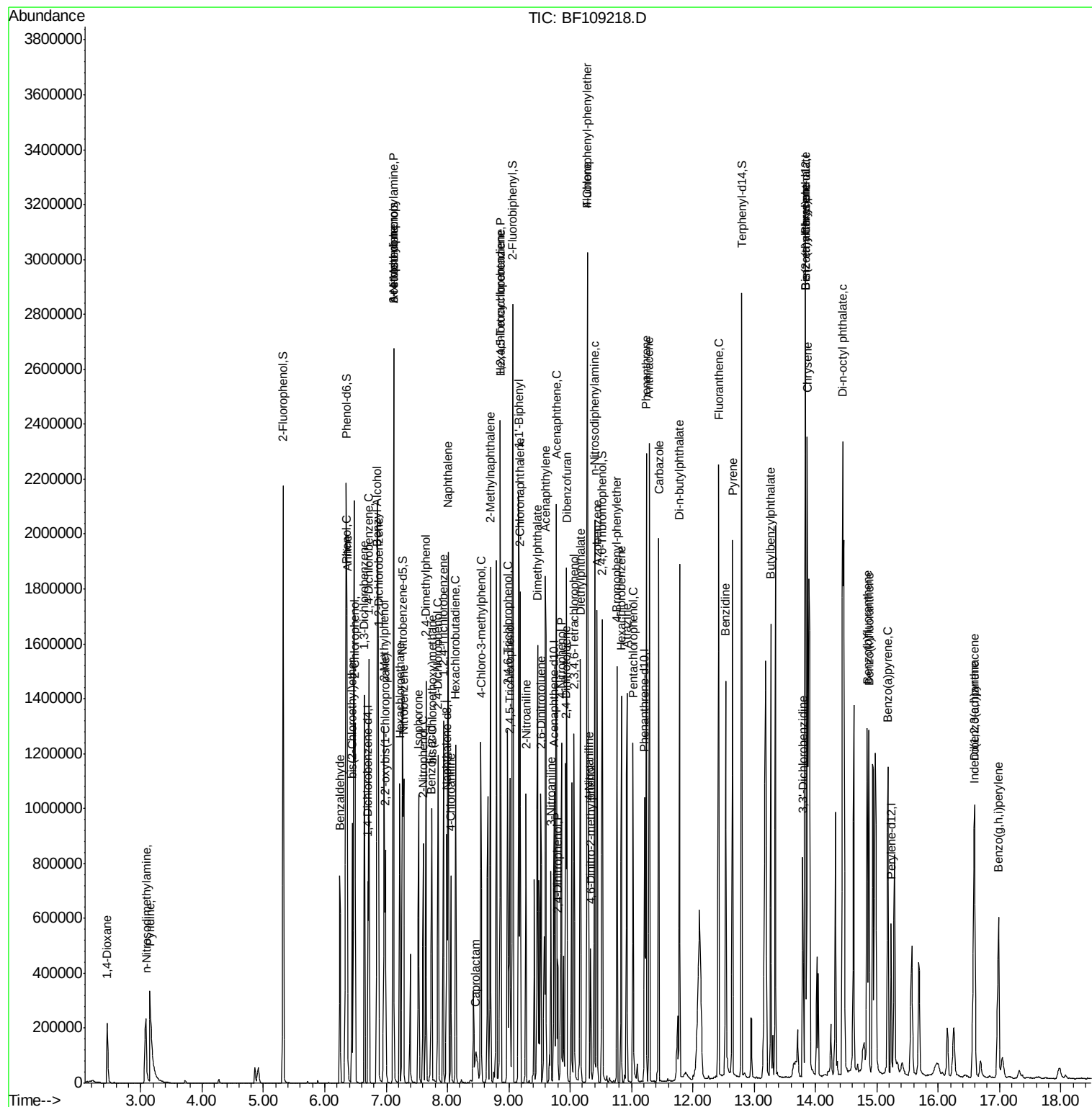
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	168806	40.890	nq	99
43) 2,4,5-Trichlorophenol	9.02	196	180593	41.420	nq	96
45) 1,1'-Biphenyl	9.16	154	646357	39.251	nq	98
46) 2-Chloronaphthalene	9.19	162	499995	38.007	nq	99
47) 2-Nitroaniline	9.28	65	160174	42.944	nq	93
48) Acenaphthylene	9.60	152	819658	41.301	nq	99
49) Dimethylphthalate	9.47	163	587229	39.947	nq	99
50) 2,6-Dinitrotoluene	9.52	165	126981	43.615	nq	87
51) Acenaphthene	9.77	154	500595	41.720	nq	99
52) 3-Nitroaniline	9.69	138	111969	33.209	nq	91
53) 2,4-Dinitrophenol	9.80	184	53008	54.389	nq	# 17
54) Dibenzofuran	9.95	168	696005	39.004	nq	98
55) 4-Nitrophenol	9.86	139	212105	83.509	nq	87
56) 2,4-Dinitrotoluene	9.93	165	165666	44.971	nq	# 95
57) Fluorene	10.29	166	527298	41.415	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.06	232	147081	42.605	nq	91
59) Diethylphthalate	10.17	149	605472	40.673	nq	98
60) 4-Chlorophenyl-phenylether	10.28	204	245768	36.957	nq	94
61) 4-Nitroaniline	10.30	138	142773	43.421	nq	94
62) Azobenzene	10.44	77	609383	39.401	nq	96
64) 4,6-Dinitro-2-methylphenol	10.33	198	48960	33.218	nq	91
65) n-Nitrosodiphenylamine	10.40	169	508938	38.905	nq	96
66) 4-Bromophenyl-phenylether	10.76	248	168501	38.324	nq	94
67) Hexachlorobenzene	10.83	284	174938	37.463	nq	94
68) Atrazine	10.93	200	162850	40.477	nq	98
69) Pentachlorophenol	11.03	266	159452	57.053	nq	99
70) Phenanthrene	11.24	178	815964	41.275	nq	99
71) Anthracene	11.29	178	840798	41.933	nq	100
72) Carbazole	11.45	167	755146	37.852	nq	99
73) Di-n-butylphthalate	11.79	149	927092	40.367	nq	99
74) Fluoranthene	12.42	202	857605	40.593	nq	97
76) Benzidine	12.54	184	444620	44.531	nq	100
77) Pyrene	12.65	202	858006	43.231	nq	99
79) Butylbenzylphthalate	13.27	149	387727	45.919	nq	97
80) Benzo(a)anthracene	13.83	228	713849	42.796	nq	99
81) 3,3'-Dichlorobenzidine	13.79	252	148197	23.378	nq	99
82) Chrysene	13.87	228	661913	40.037	nq	100
83) Bis(2-ethylhexyl)phthalate	13.84	149	463882	43.561	nq	99
84) Di-n-octyl phthalate	14.44	149	733549	40.288	nq	# 1
85) Indeno(1,2,3-cd)pyrene	16.58	276	546867	40.809	nq	# 93
87) Benzo(b)fluoranthene	14.84	252	581225	44.703	nq	97
88) Benzo(k)fluoranthene	14.87	252	522414	42.343	nq	# 96
89) Benzo(a)pyrene	15.18	252	509169	43.460	nq	99
90) Dibenzo(a,h)anthracene	16.60	278	449804	46.798	nq	# 94
91) Benzo(g,h,i)perylene	16.99	276	475535	50.341	nq	# 92

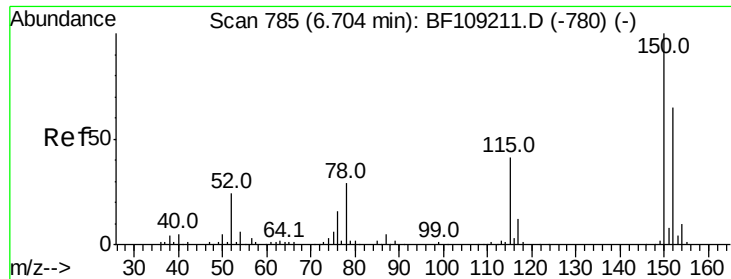
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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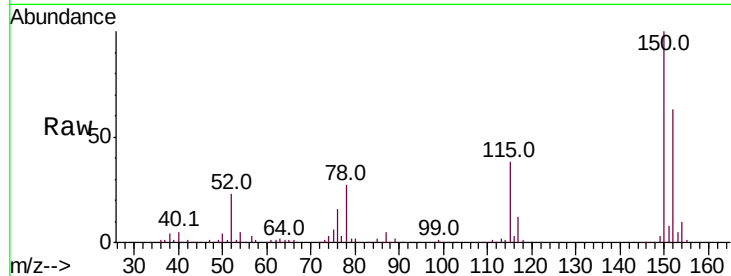


#1

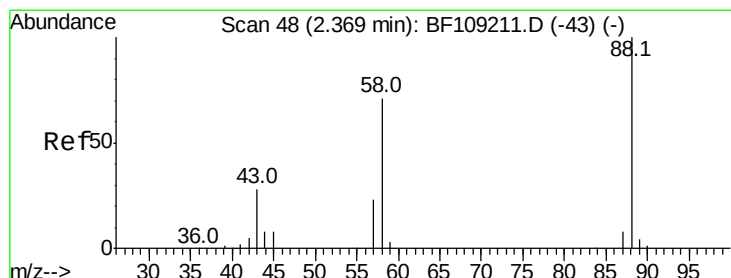
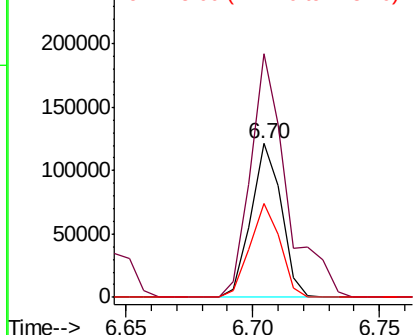
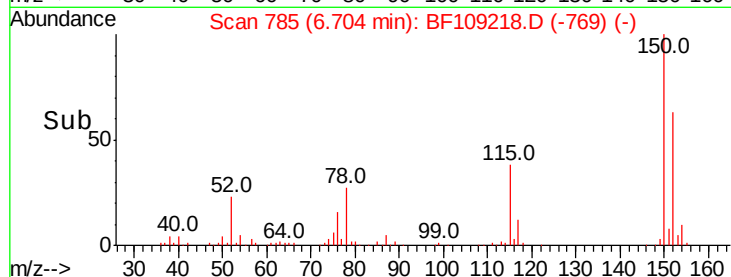
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101629
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 61.0 50.1 75.1



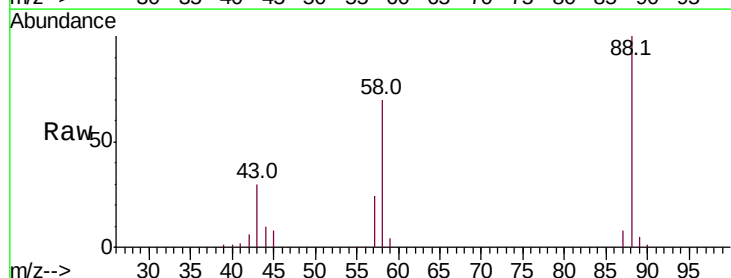
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



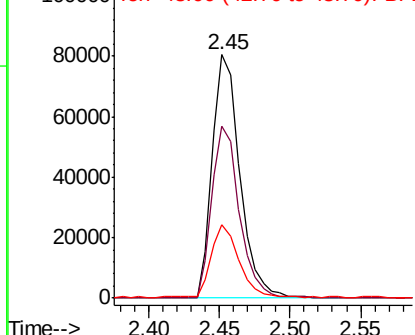
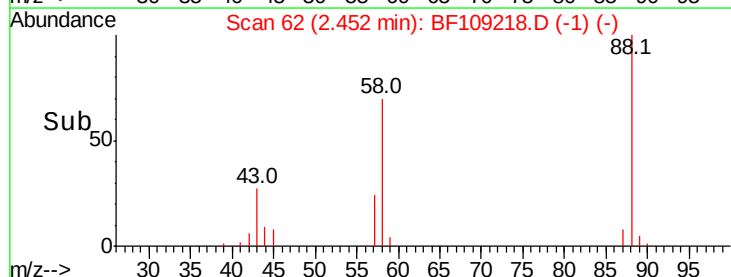
#2

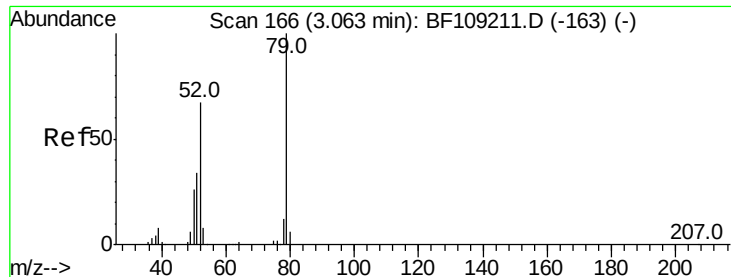
1,4-Dioxane
Concen: 38.564 ng
RT: 2.45 min Scan# 62
Delta R.T. 0.08 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion: 88 Resp: 109589
Ion Ratio Lower Upper
88 100
58 70.6 62.6 93.8
43 31.5 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 41.948 ng

RT: 3.15 min Scan# 181

Delta R.T. 0.09 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampleId :

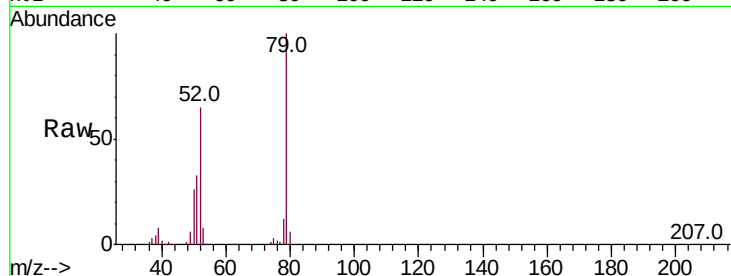
Tot Ion: 79 Resp: 306804

Ion Ratio Lower Upper

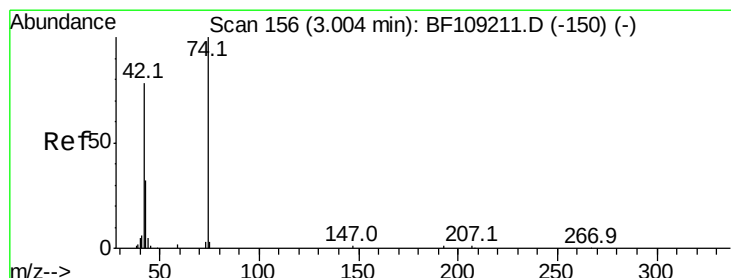
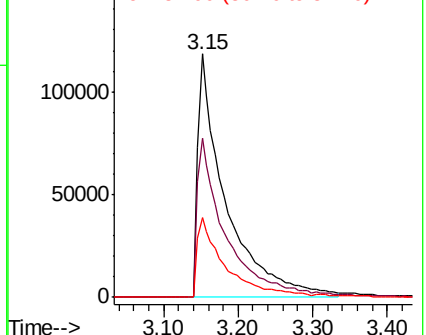
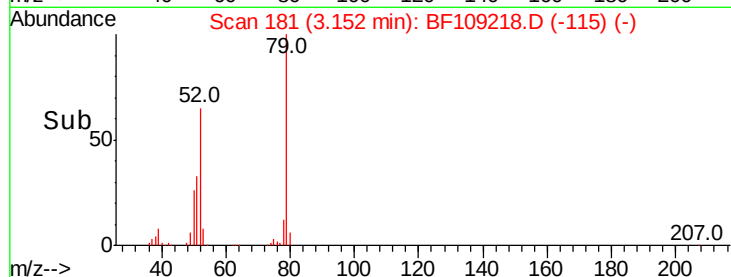
79 100

52 65.3 59.8 89.6

51 33.0 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 45.590 ng

RT: 3.09 min Scan# 170

Delta R.T. 0.06 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

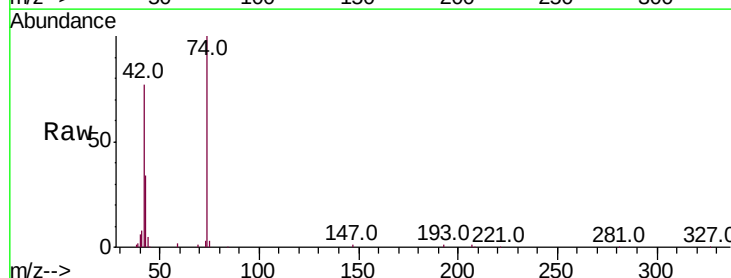
Tgt Ion: 42 Resp: 141902

Ion Ratio Lower Upper

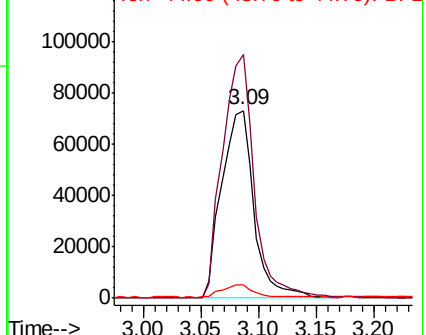
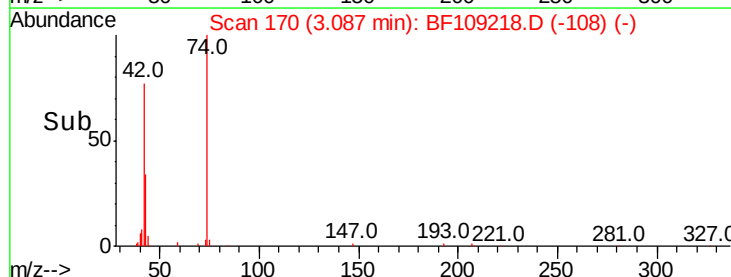
42 100

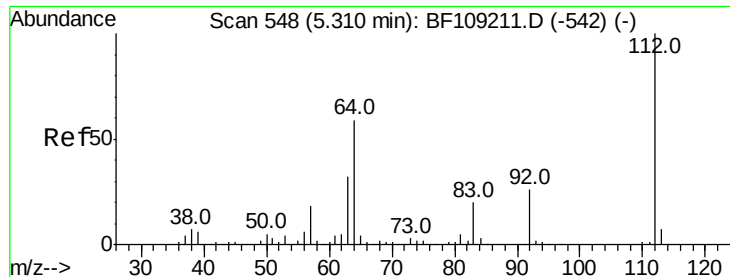
74 129.6 104.9 157.3

44 6.8 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 105.171 ng

RT: 5.32 min Scan# 550

Delta R.T. 0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampled :

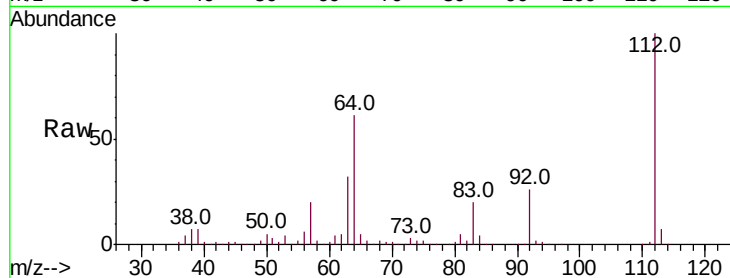
Tot Ion:112 Resp: 648931

Ion Ratio Lower Upper

112 100

64 61.3 47.9 71.9

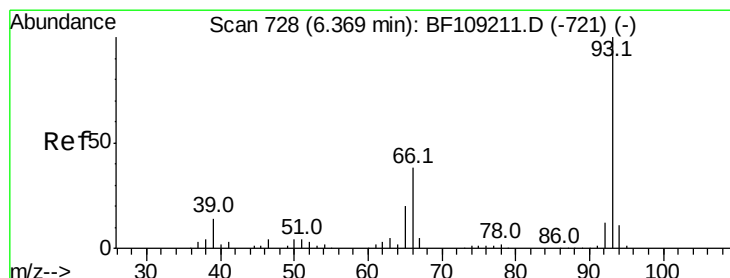
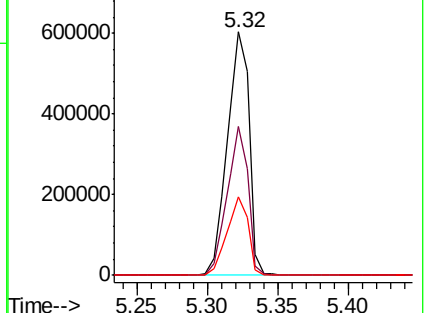
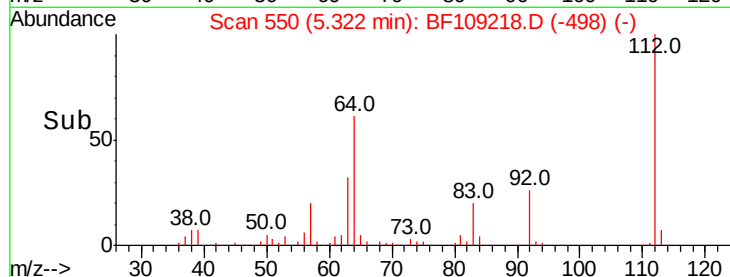
63 32.4 23.7 35.5



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: 31.348 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

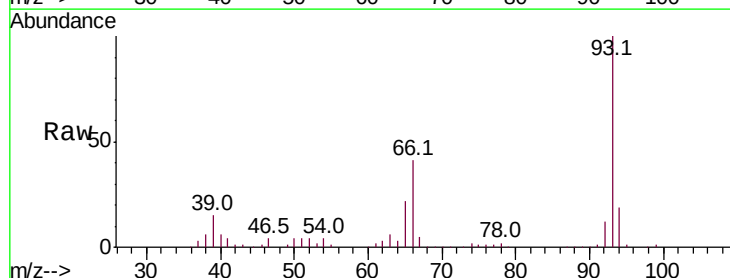
Tgt Ion: 93 Resp: 315781

Ion Ratio Lower Upper

93 100

66 41.3 32.2 48.2

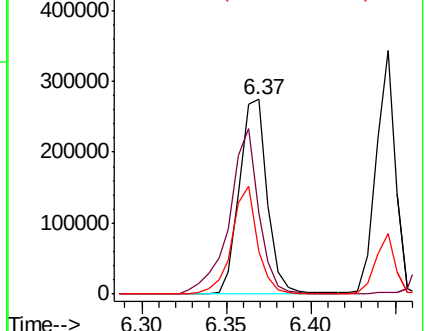
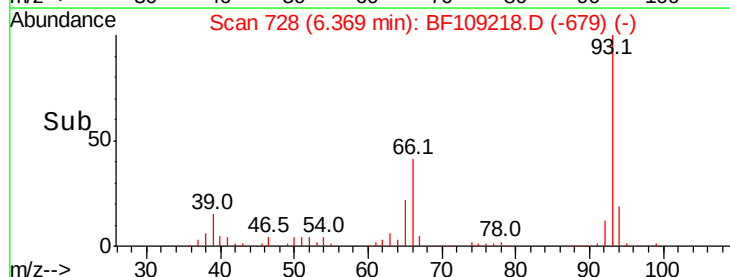
65 21.7 16.4 24.6

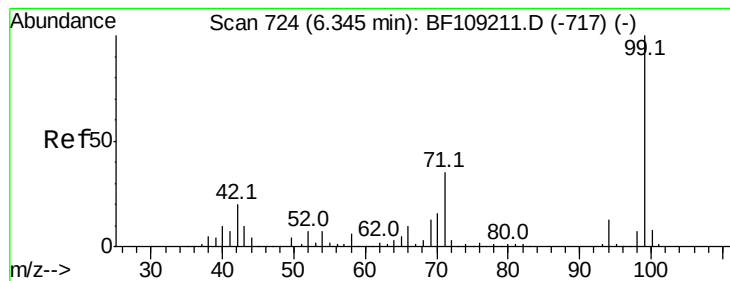


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 102.942 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109218.D

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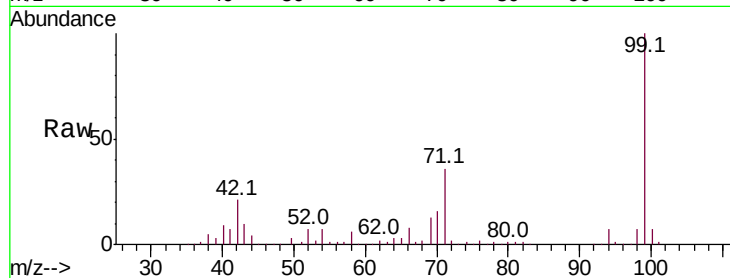
Tot Ion: 99 Resp: 810512

Ion Ratio Lower Upper

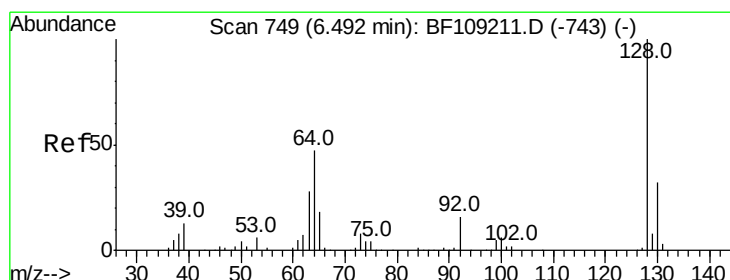
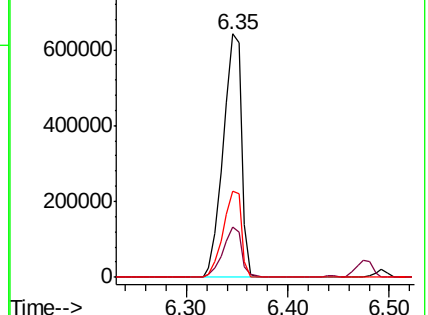
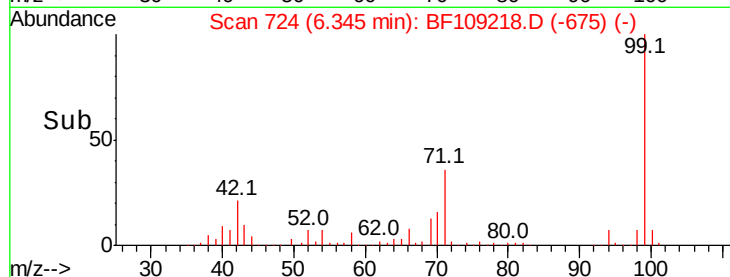
99 100

42 20.6 14.5 21.7

71 35.6 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: 40.813 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

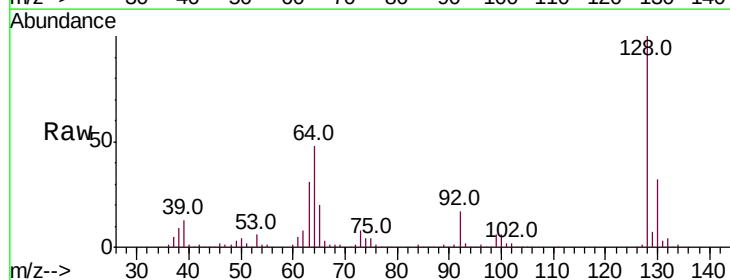
Tgt Ion: 128 Resp: 280038

Ion Ratio Lower Upper

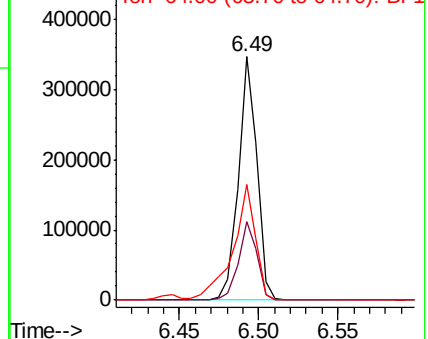
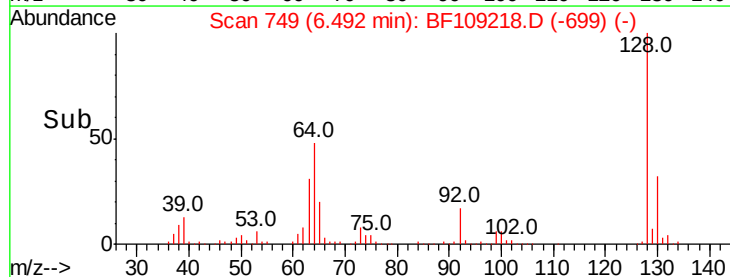
128 100

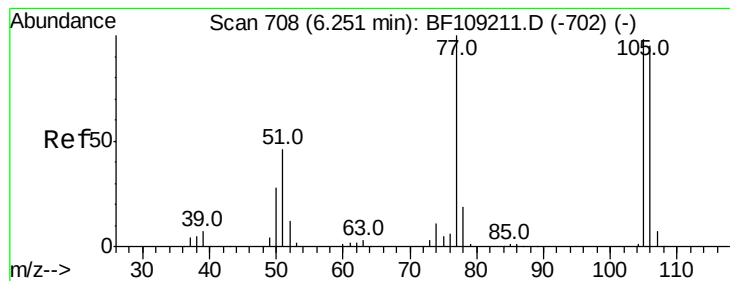
130 32.2 13.0 53.0

64 47.7 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: 27.481 ng

RT: 6.25 min Scan# 707

Delta R.T. -0.01 min

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ClientSampleId :

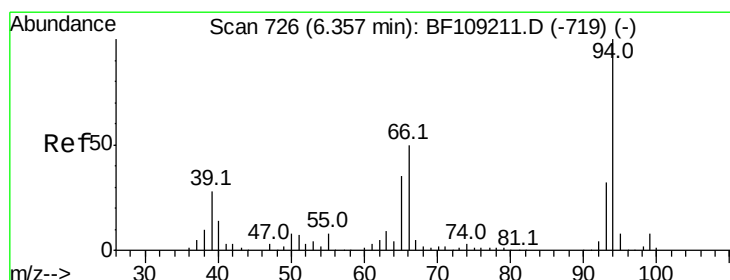
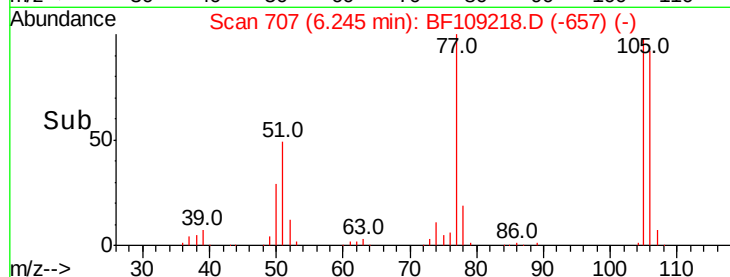
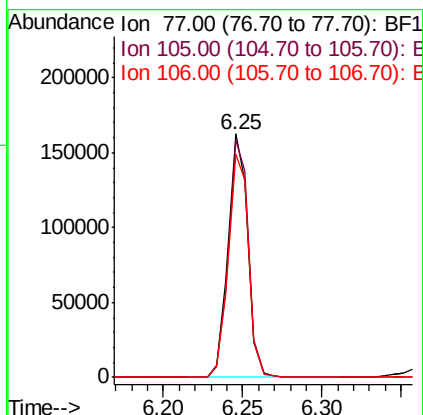
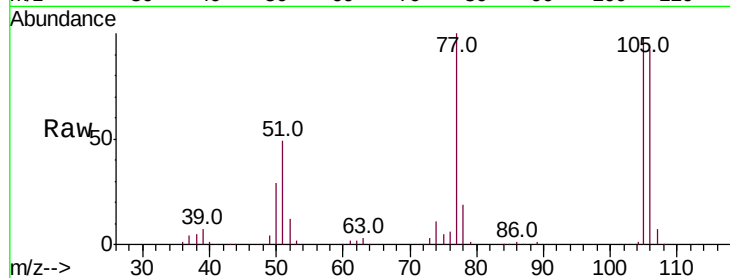
Tot Ion: 77 Resp: 138999

Ion Ratio Lower Upper

77 100

105 97.5 81.1 121.1

106 91.7 74.5 114.5



#10

Phenol

Concen: 38.851 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

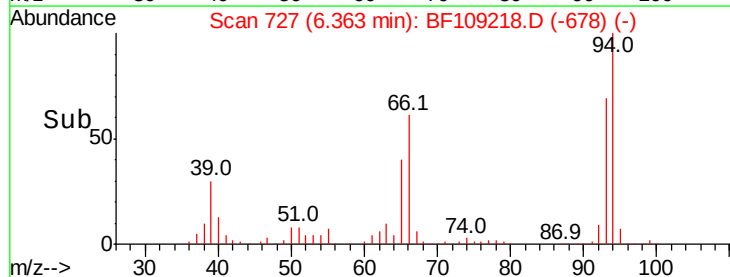
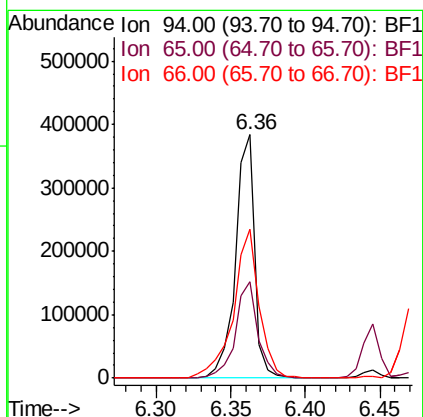
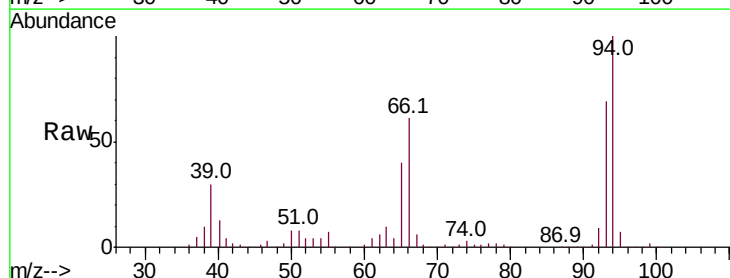
Tgt Ion: 94 Resp: 346410

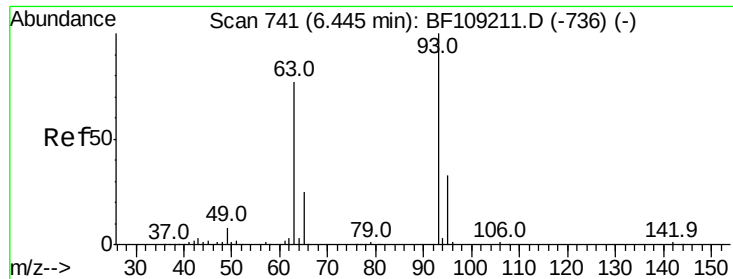
Ion Ratio Lower Upper

94 100

65 39.8 7.9 47.9

66 61.0 16.2 56.2#

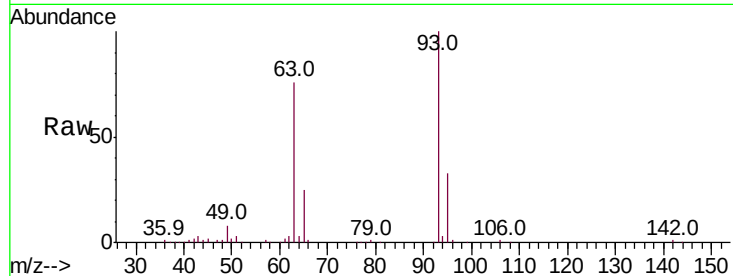




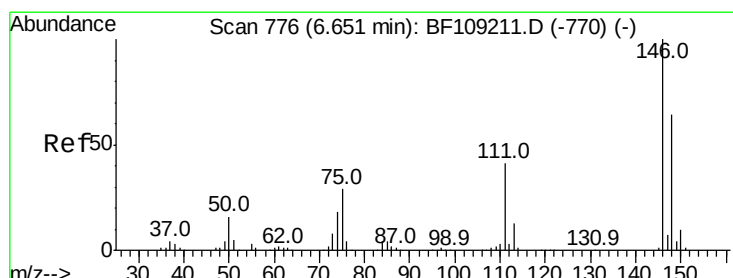
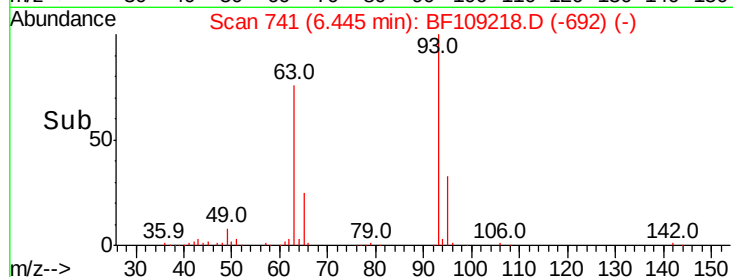
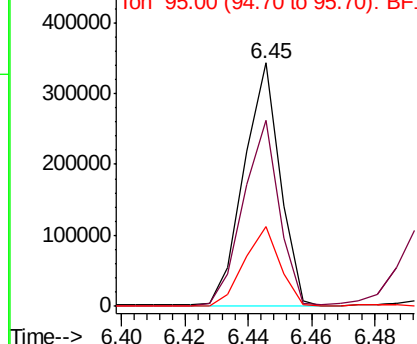
#11
bis(2-Chloroethyl)ether
Concen: 38.769 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 270495
Ion Ratio Lower Upper
93 100
63 76.2 58.6 98.6
95 33.0 11.8 51.8

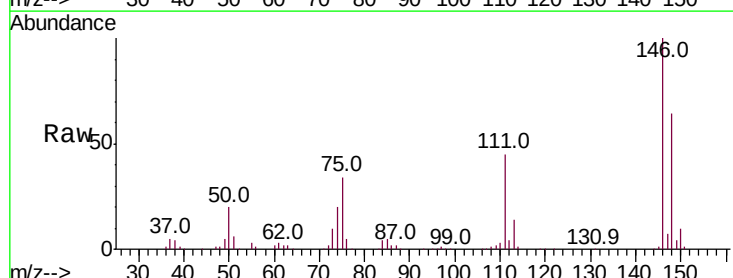


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

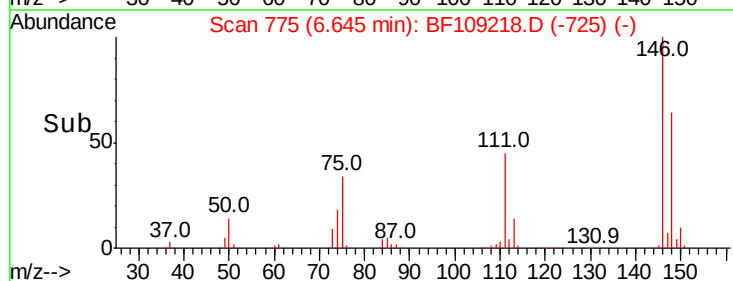
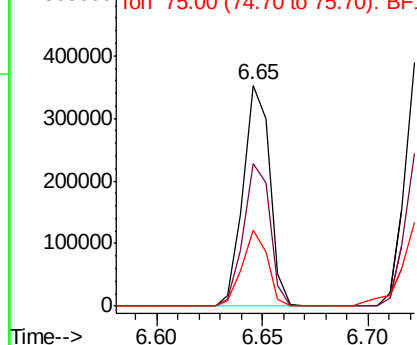


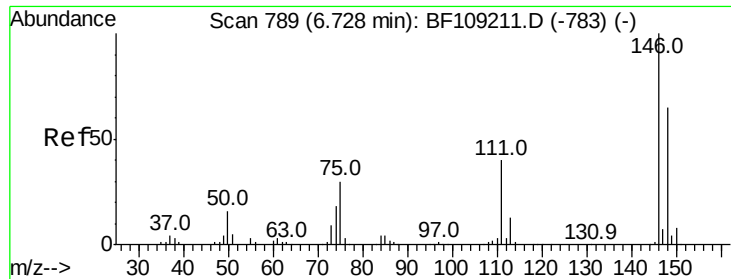
#12
1,3-Dichlorobenzene
Concen: 38.912 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion: 146 Resp: 307407
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.8
75 34.5 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

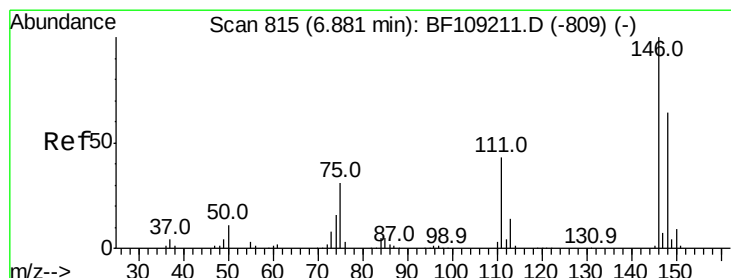
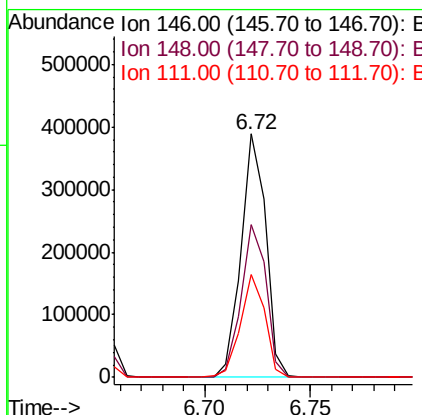
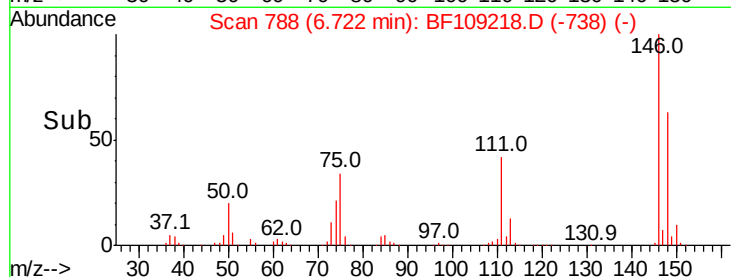
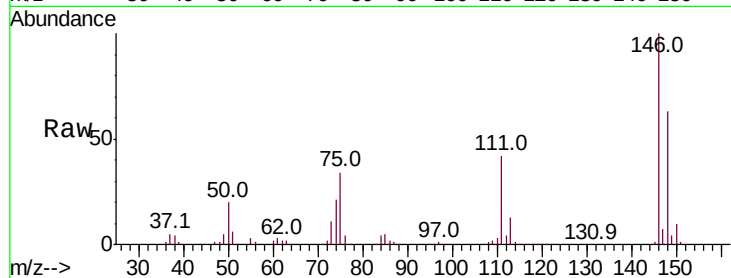




#13
 1,4-Dichlorobenzene
 Concen: 39.381 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

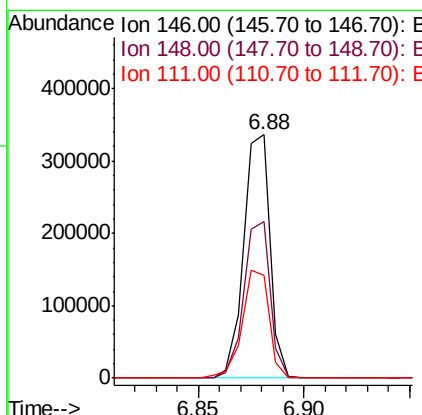
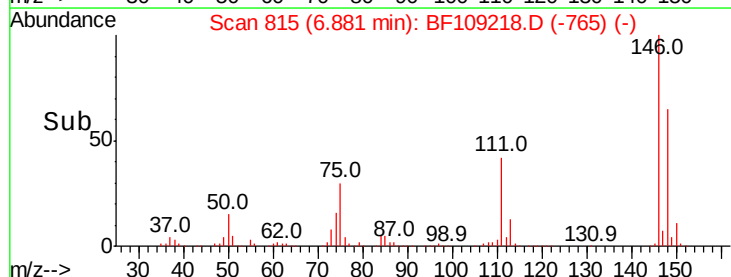
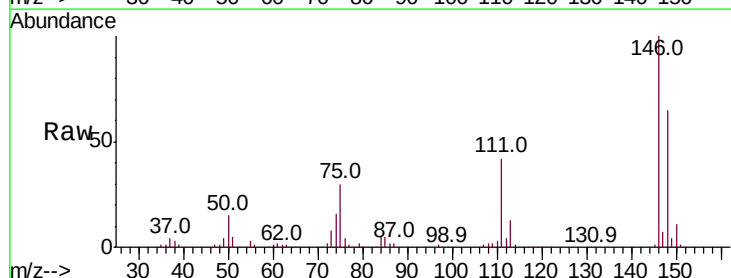
Instrument :
 BNA_F
 ClientSampleId :

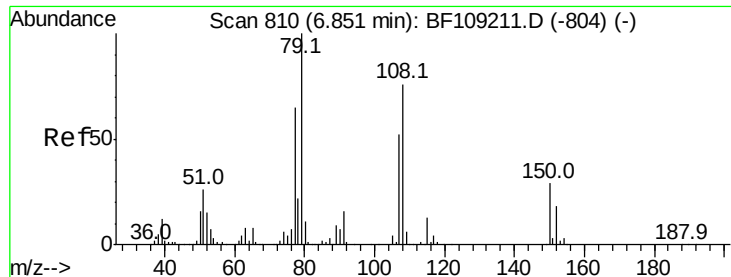
Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.8	76.2
111	42.5	34.2	51.2



#14
 1,2-Dichlorobenzene
 Concen: 39.596 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.6	75.8
111	42.2	36.0	54.0

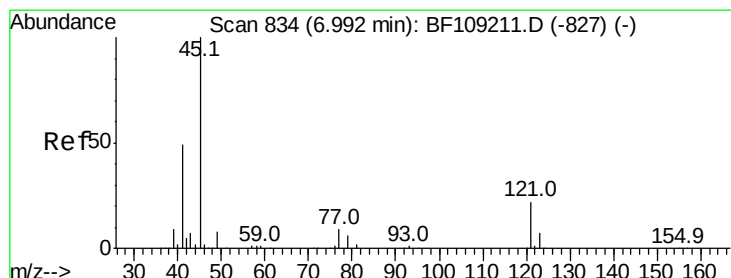
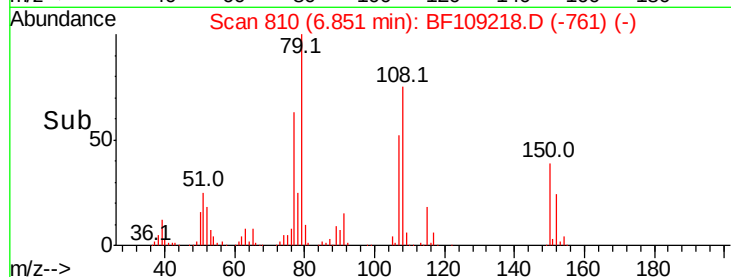
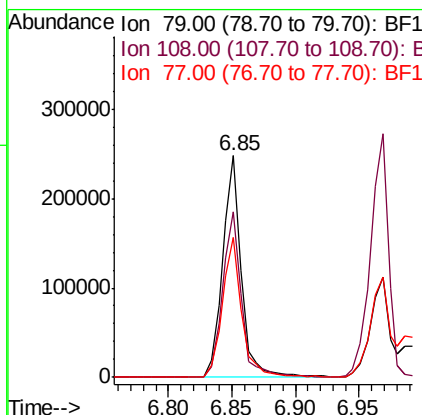
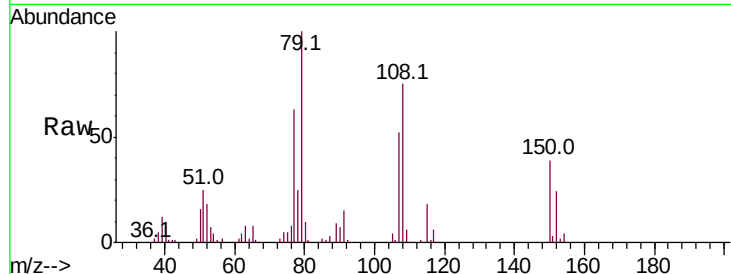




#15
Benzyl Alcohol
Concen: 42.302 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

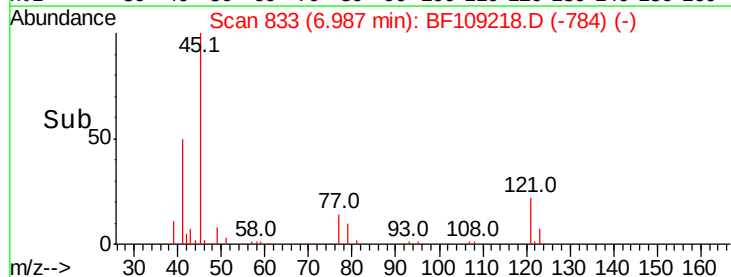
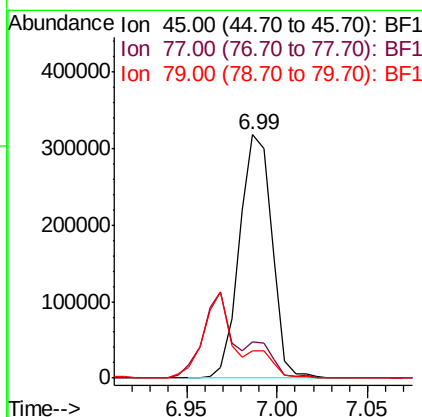
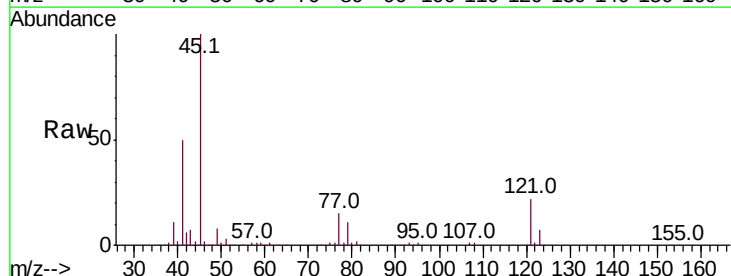
Instrument :
BNA_F
ClientSampleId :

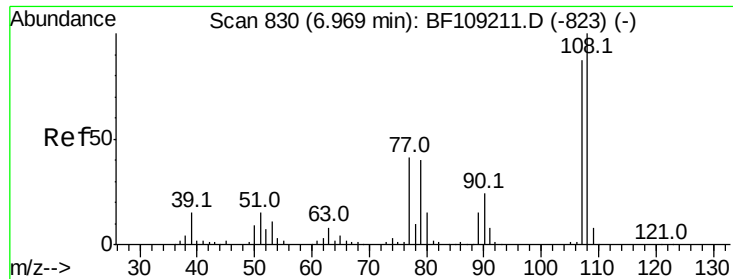
Tot Ion: 79 Resp: 254943
Ion Ratio Lower Upper
79 100
108 74.9 65.1 97.7
77 63.5 50.6 75.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 39.958 ng
RT: 6.99 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion: 45 Resp: 395446
Ion Ratio Lower Upper
45 100
77 14.7 0.0 32.9
79 11.1 0.0 29.6

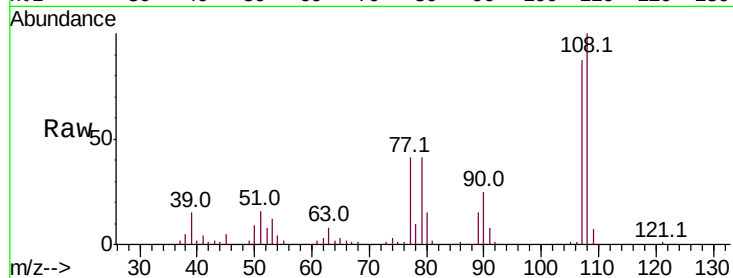




#17
2-Methylphenol
Concen: 40.910 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.6	91.7	137.5
77	47.4	33.8	50.8
79	47.3	33.8	50.8



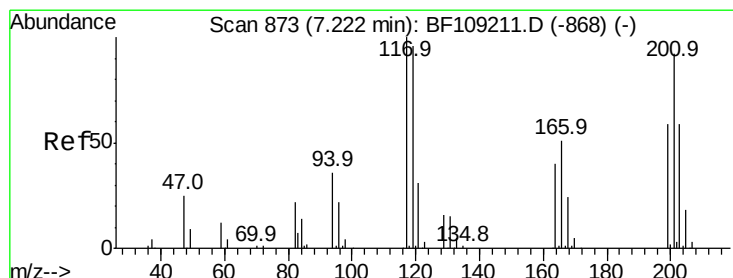
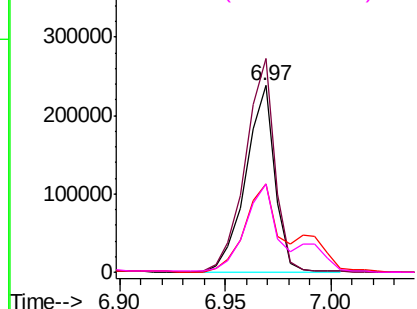
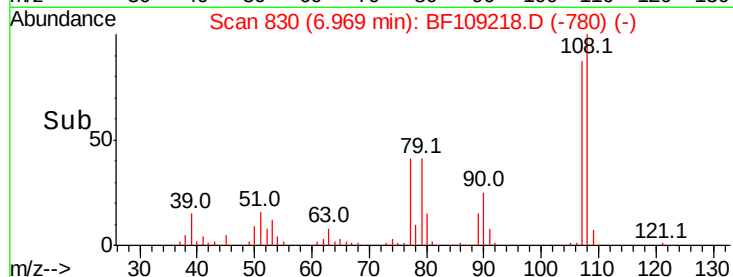
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

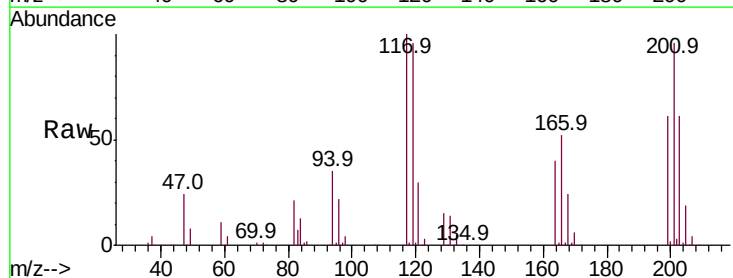
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 41.145 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	113.8
201	95.8	75.7	113.5

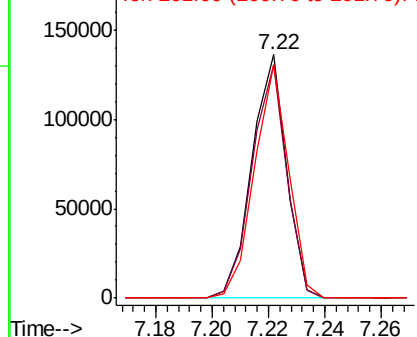
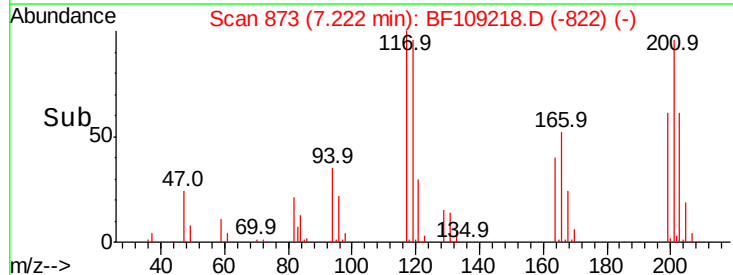


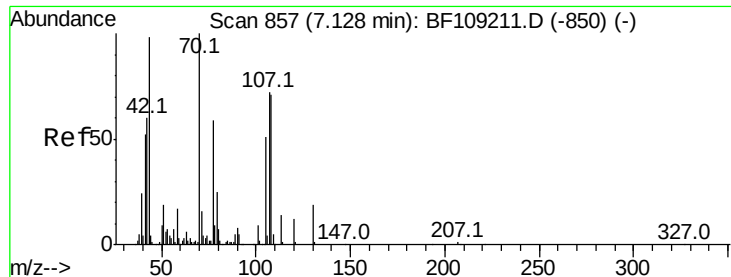
Abundance

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

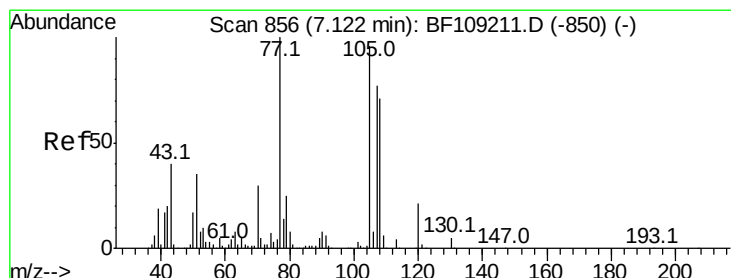
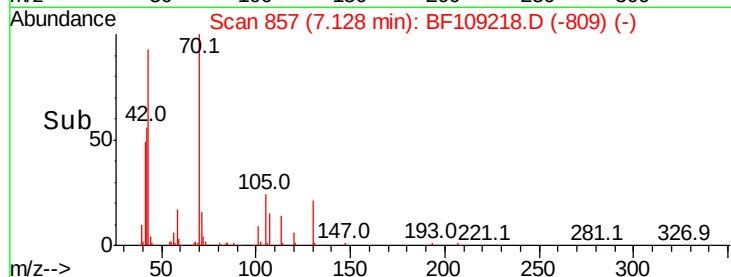
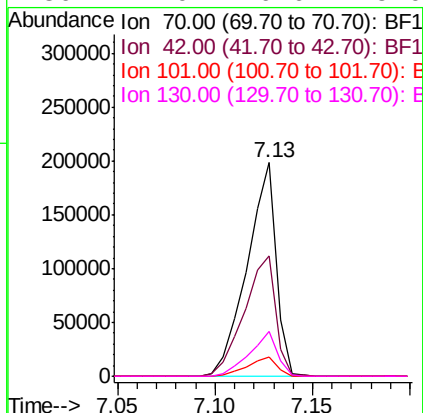
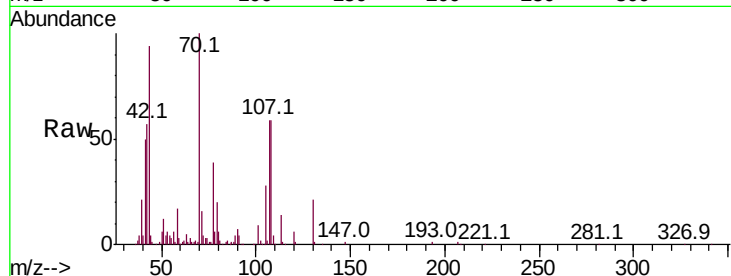




#19
n-Nitroso-di-n-propylamine
Concen: 39.553 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.02 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

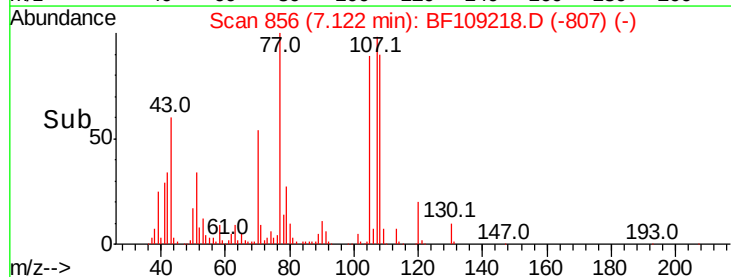
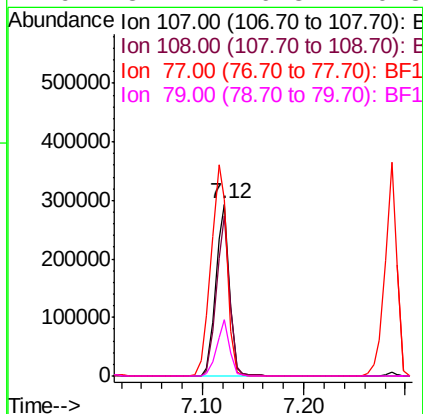
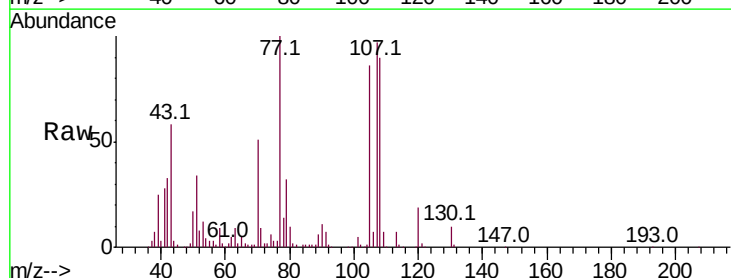
Instrument :
BNA_F
ClientSampleId :

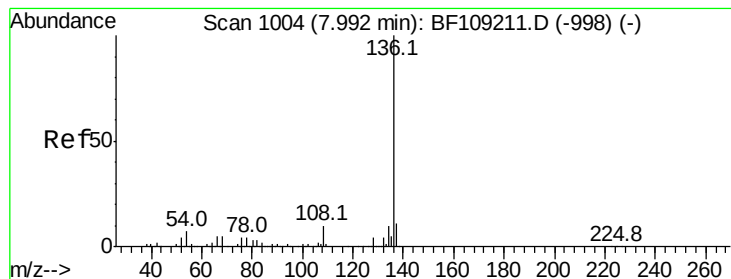
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.5	47.5	71.3	
101	9.1	7.4	11.2	
130	21.0	16.6	25.0	



#20
3+4-Methylphenols
Concen: 40.988 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.0	68.2	108.2	
77	103.3	26.7	66.7#	
79	32.7	6.3	46.3	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 412390

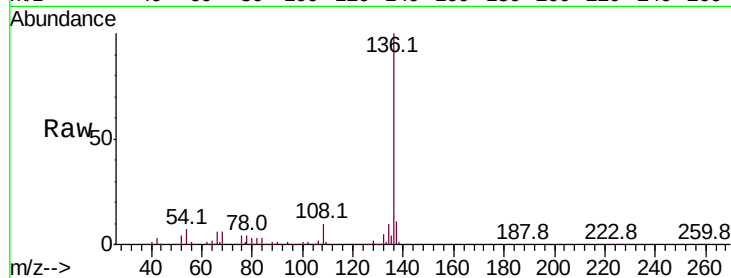
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.4 6.6 9.8

68 5.7 5.0 7.4

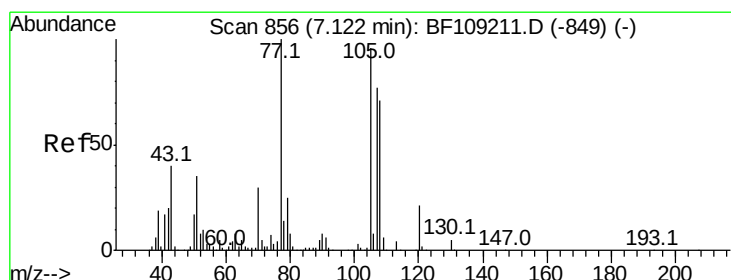
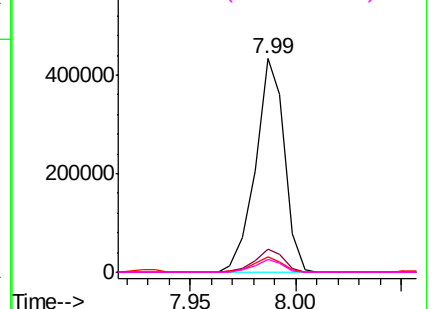
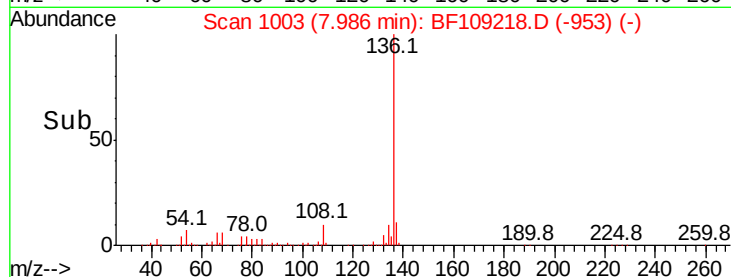


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.179 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Tgt Ion:105 Resp: 383079

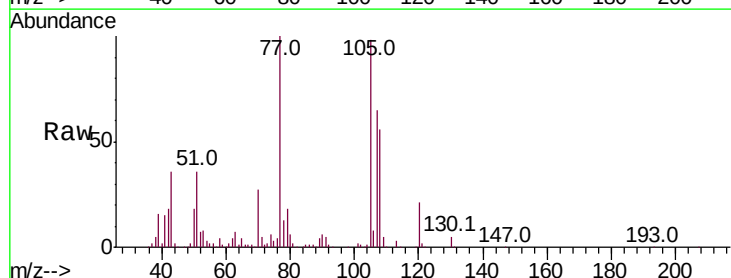
Ion Ratio Lower Upper

105 100

71 4.6 4.4 6.6

51 36.1 22.3 33.5#

120 21.3 16.9 25.3

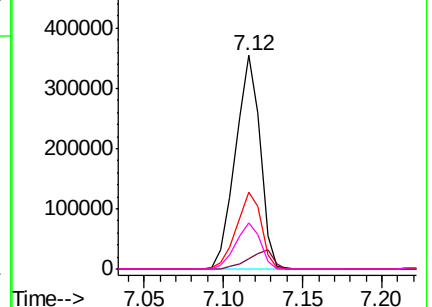
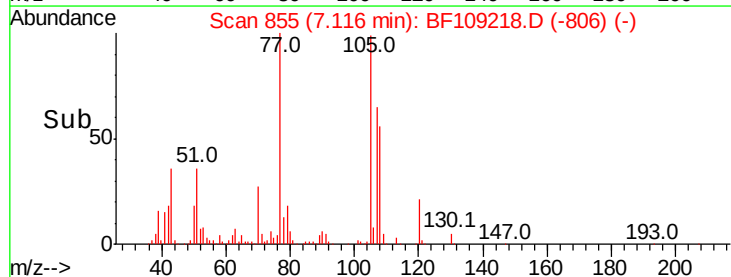


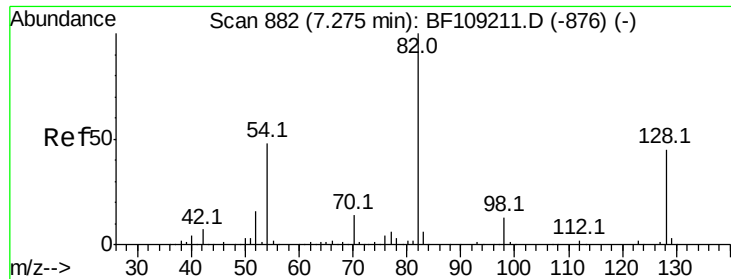
Abundance Ion 105.00 (104.70 to 105.70): E

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

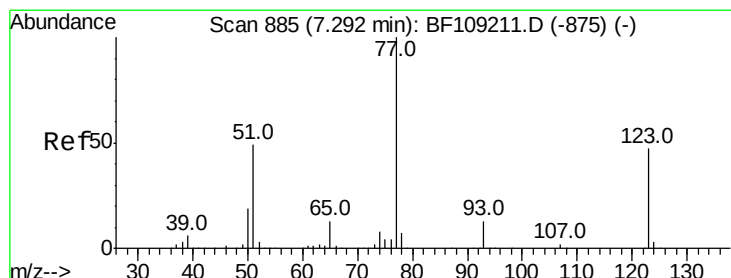
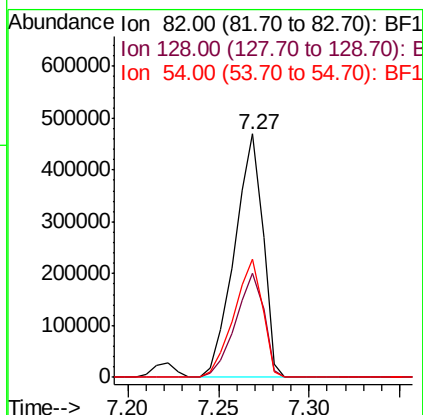
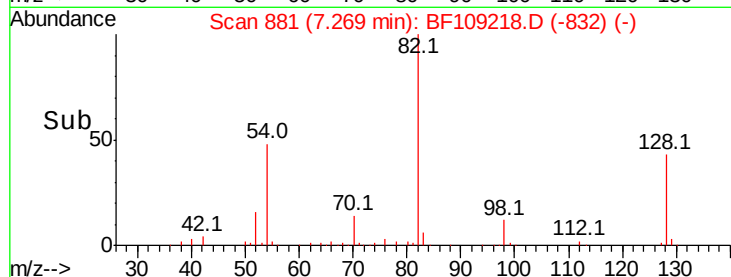
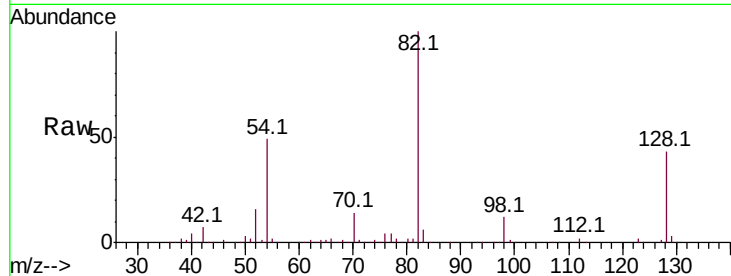




#23
Nitrobenzene-d5
Concen: 73.252 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

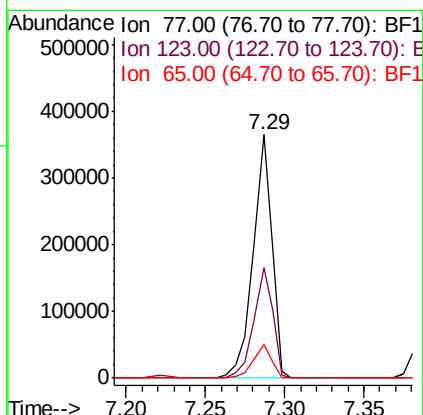
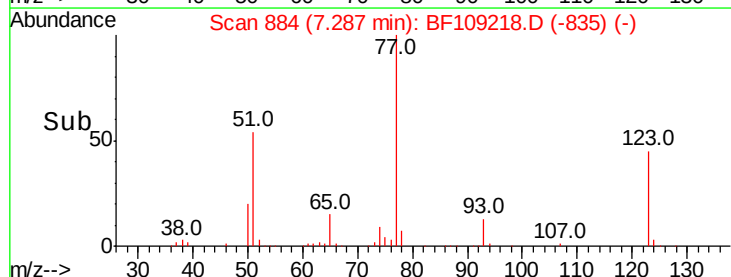
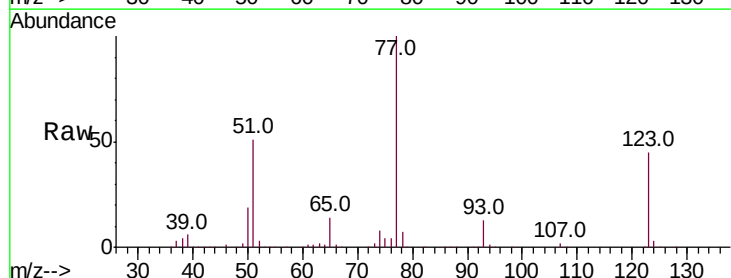
Instrument :
BNA_F
ClientSampleId :

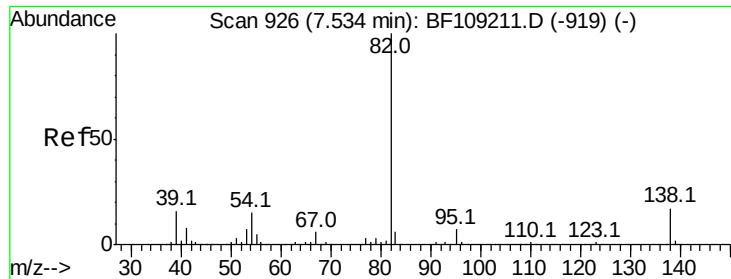
Tot Ion: 82 Resp: 511735
Ion Ratio Lower Upper
82 100
128 42.6 36.1 54.1
54 48.6 41.4 62.2



#24
Nitrobenzene
Concen: 40.577 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion: 77 Resp: 301400
Ion Ratio Lower Upper
77 100
123 45.3 37.9 56.9
65 13.6 11.0 16.4





#25

Isophorone

Concen: 44.790 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampleId :

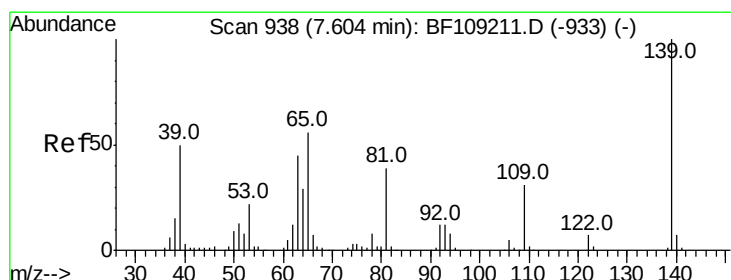
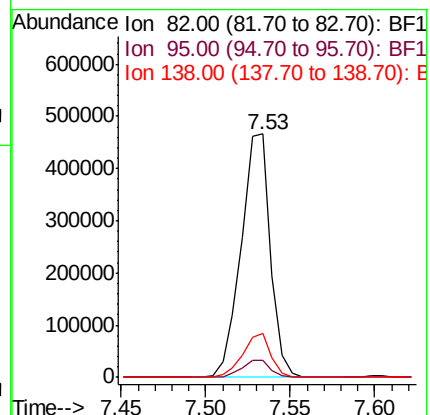
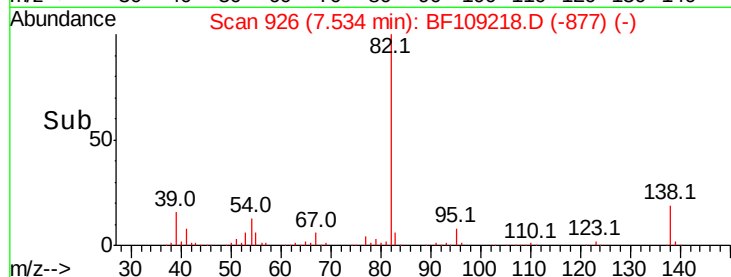
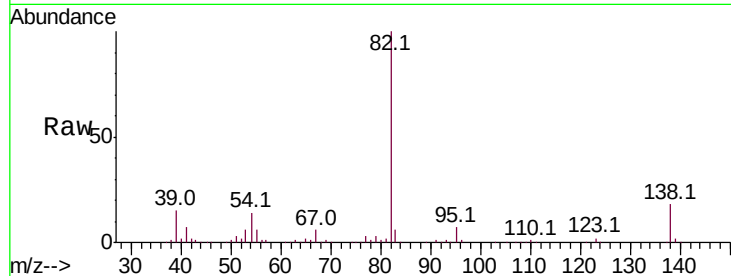
Tot Ion: 82 Resp: 563452

Ion Ratio Lower Upper

82 100

95 7.2 5.2 7.8

138 18.2 14.9 22.3



#26

2-Nitrophenol

Concen: 46.569 ng

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

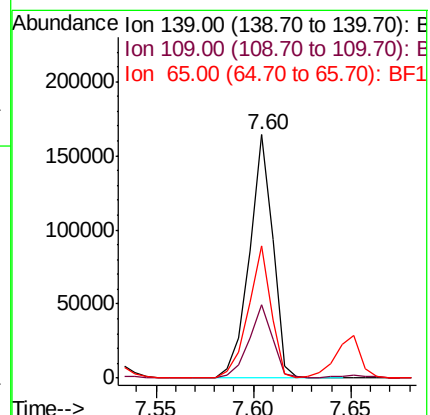
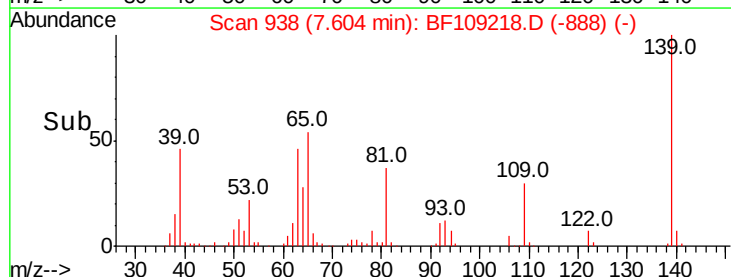
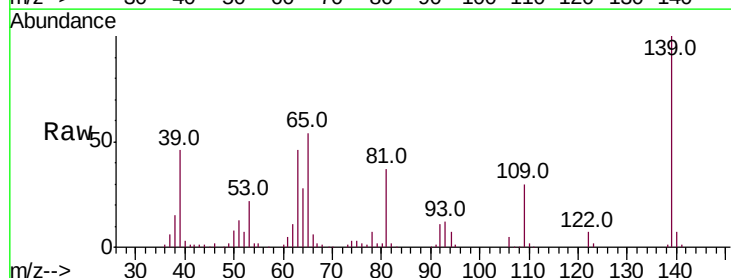
Tgt Ion: 139 Resp: 136798

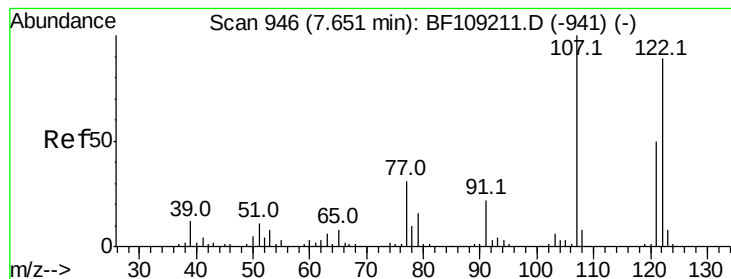
Ion Ratio Lower Upper

139 100

109 30.2 22.7 34.1

65 54.3 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 46.187 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampleId :

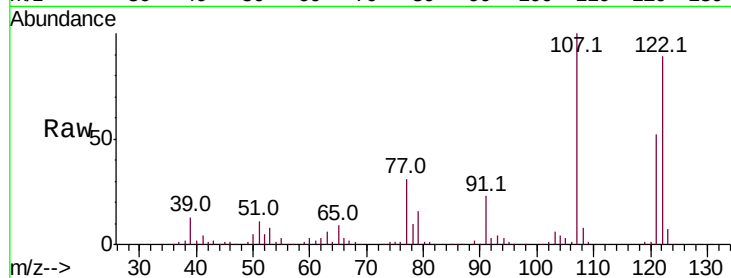
Tot Ion:122 Resp: 253168

Ion Ratio Lower Upper

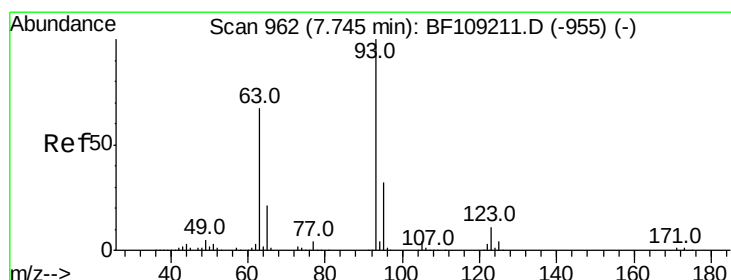
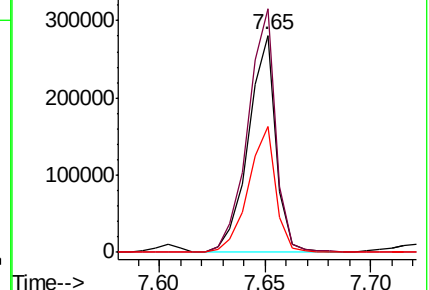
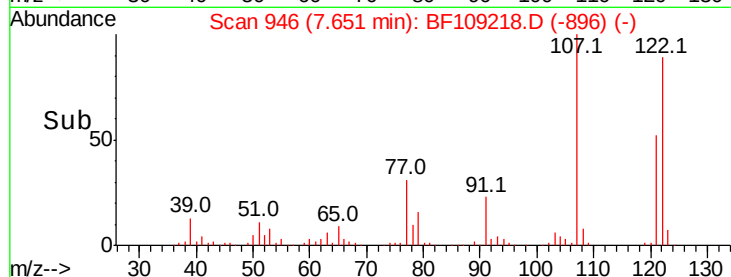
122 100

107 112.2 91.2 136.8

121 57.8 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: 41.886 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

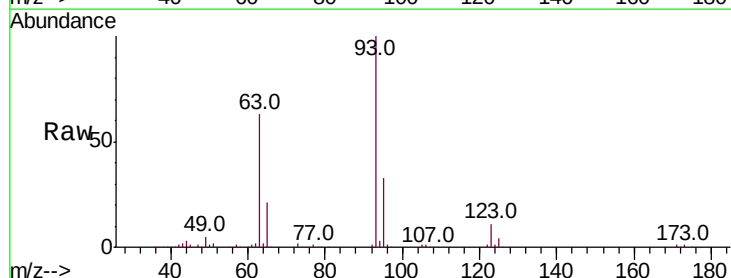
Tgt Ion: 93 Resp: 348800

Ion Ratio Lower Upper

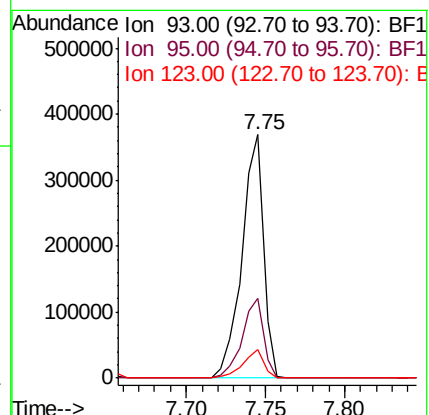
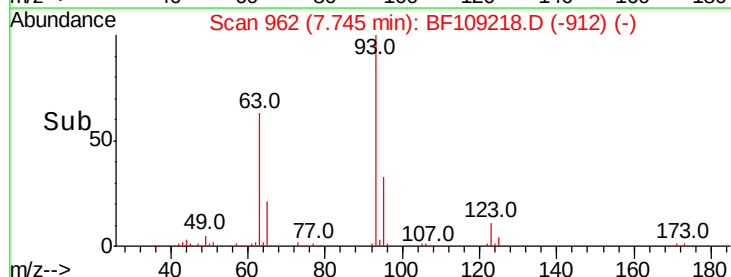
93 100

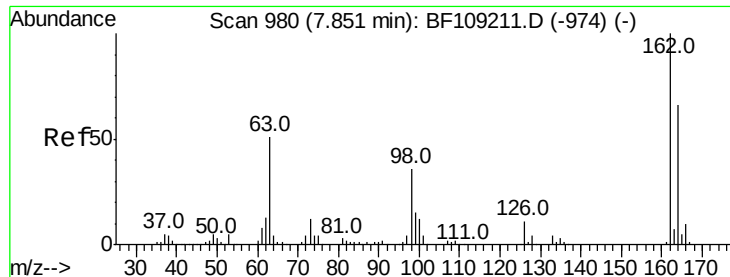
95 32.5 26.3 39.5

123 11.5 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

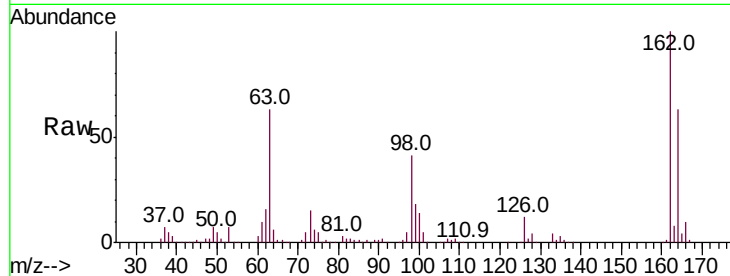




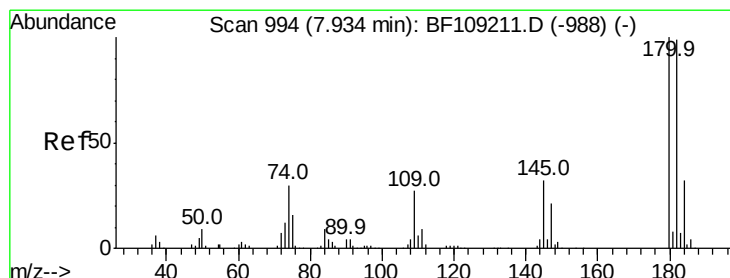
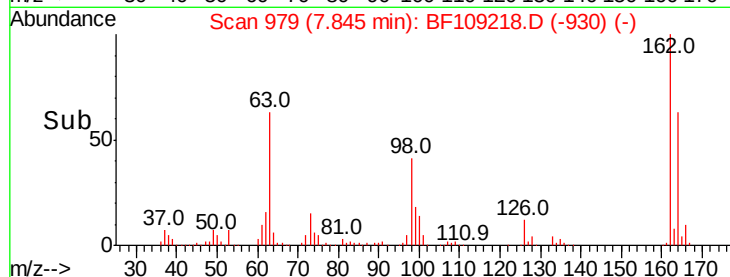
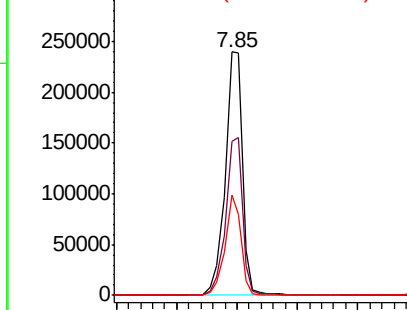
#29
 2,4-Dichlorophenol
 Concen: 41.193 ng
 RT: 7.85 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.5	42.7	82.7
98	41.3	18.1	58.1

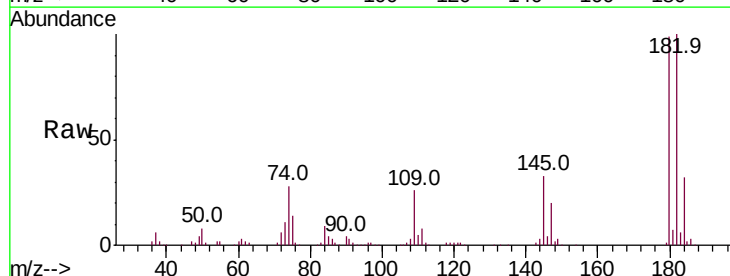


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

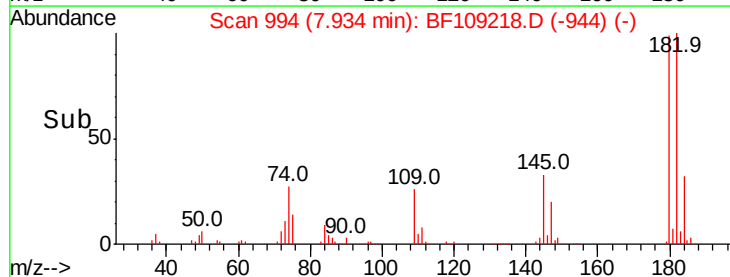
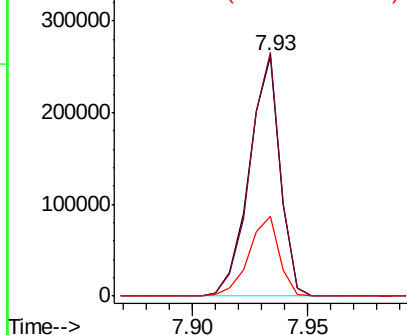


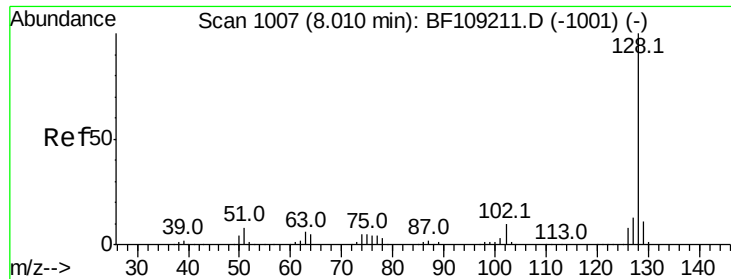
#30
 1,2,4-Trichlorobenzene
 Concen: 37.961 ng
 RT: 7.93 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.3	76.8	115.2
145	33.2	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

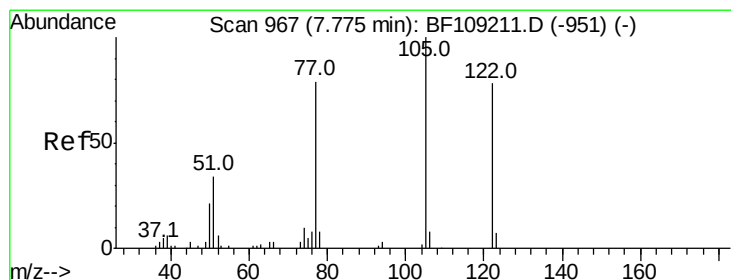
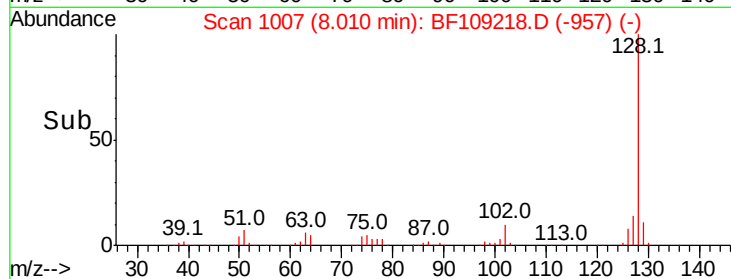
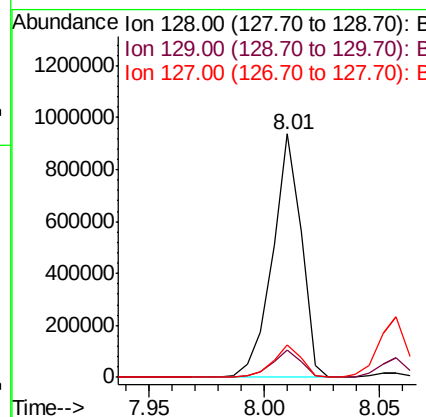
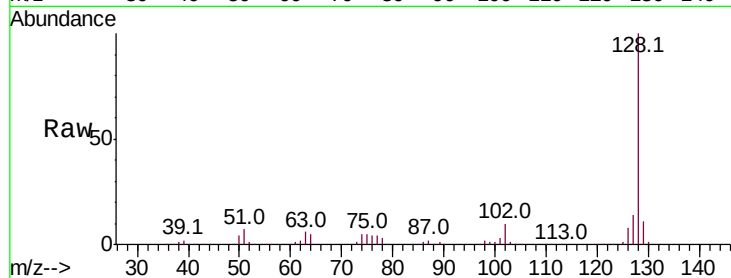




#31
Naphthalene
Concen: 42.051 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

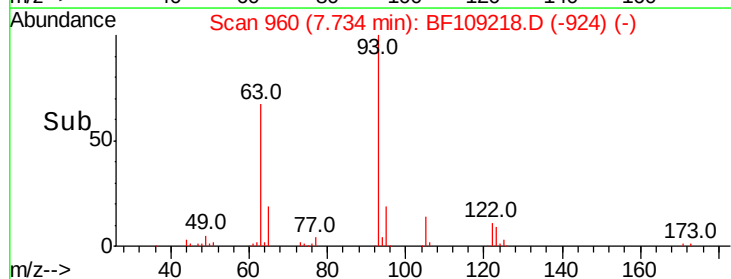
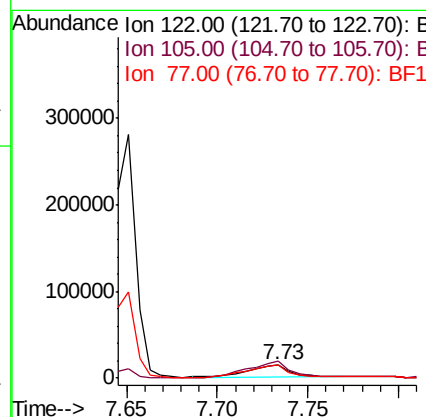
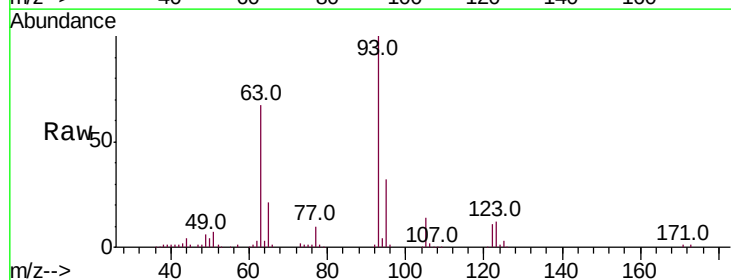
Instrument :
BNA_F
ClientSampleId :

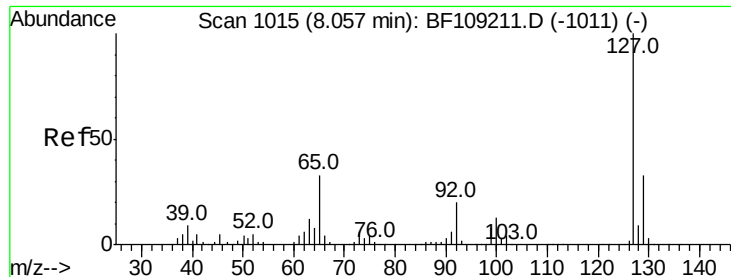
Tot Ion:128 Resp: 810367
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.5 10.9 16.3



#32
Benzoic acid
Concen: 12.082 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.09 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion:122 Resp: 22933
Ion Ratio Lower Upper
122 100
105 124.8 101.1 141.1
77 91.8 70.7 110.7

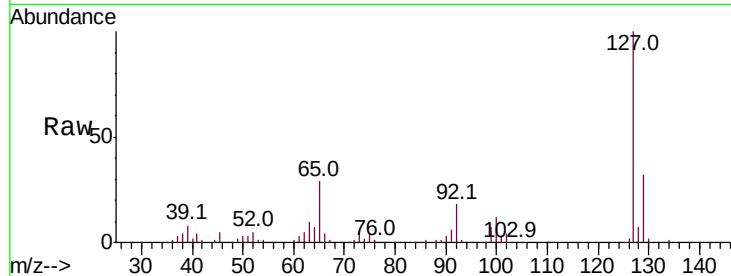




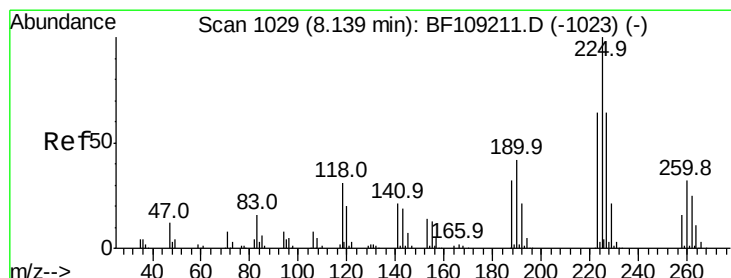
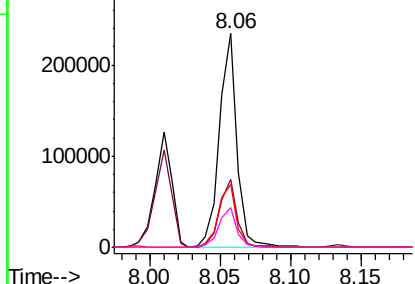
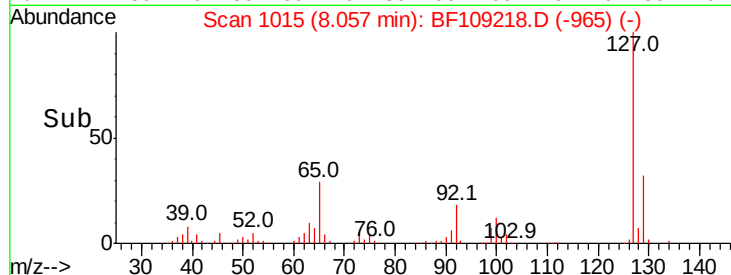
#33
4-Chloroaniline
Concen: 24.038 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	202364
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.9	38.9
65	29.5	25.0	37.4
92	18.5	15.2	22.8

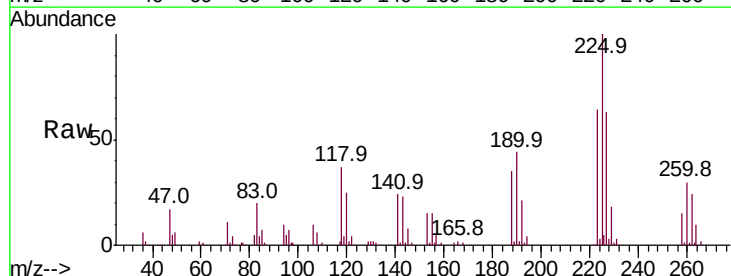


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

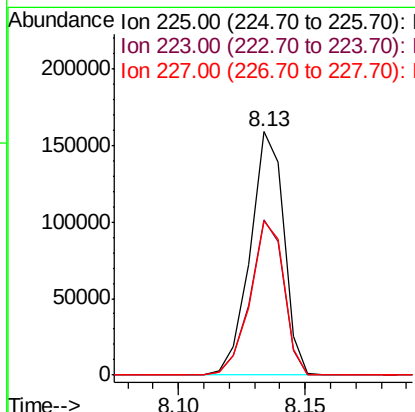
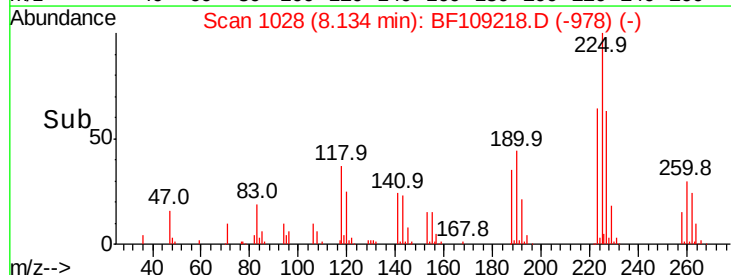


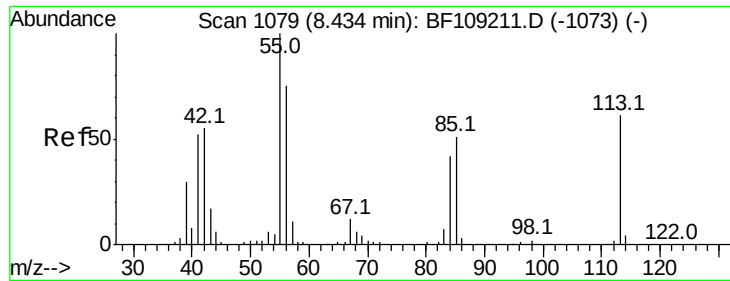
#34
Hexachlorobutadiene
Concen: 38.082 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion:	225	Resp:	147739
Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	76.0
227	63.2	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

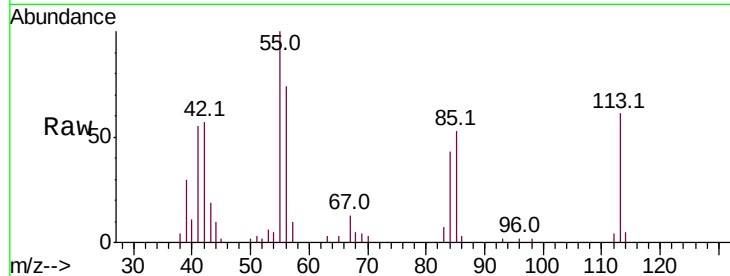




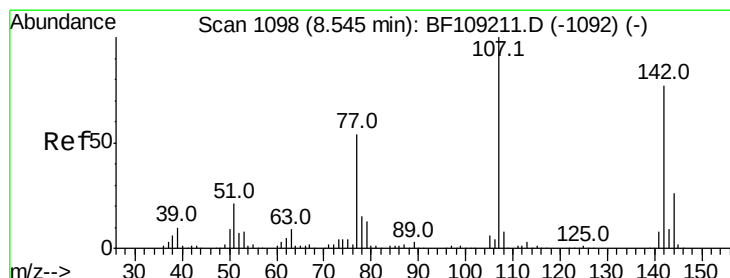
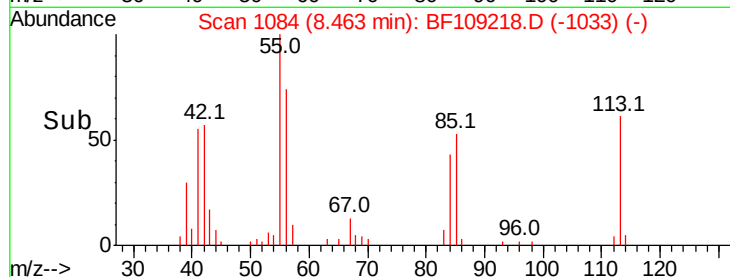
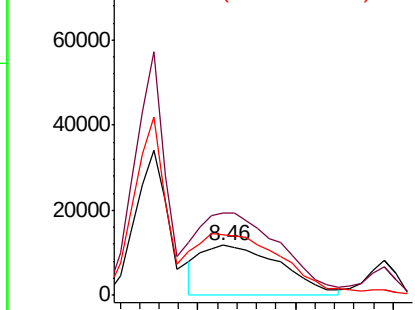
#35
 Caprolactam
 Concen: 18.270 ng
 RT: 8.46 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:113 Resp: 33593
 Ion Ratio Lower Upper
 113 100
 55 164.2 163.3 203.3
 56 122.2 115.7 155.7

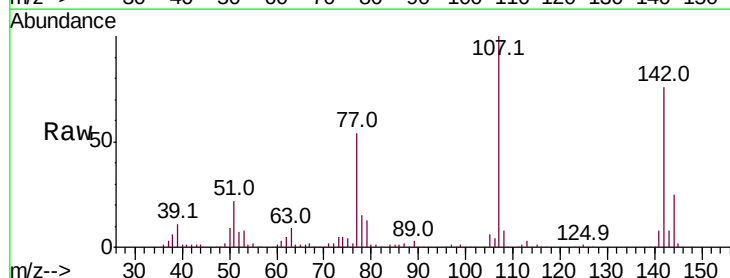


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

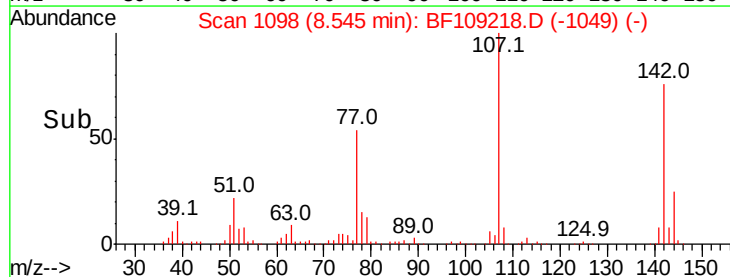
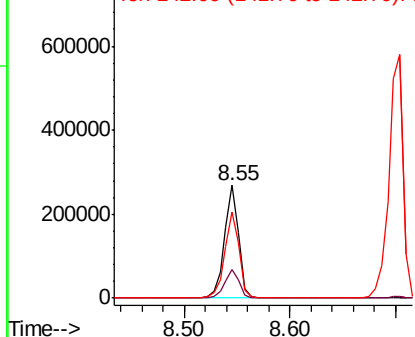


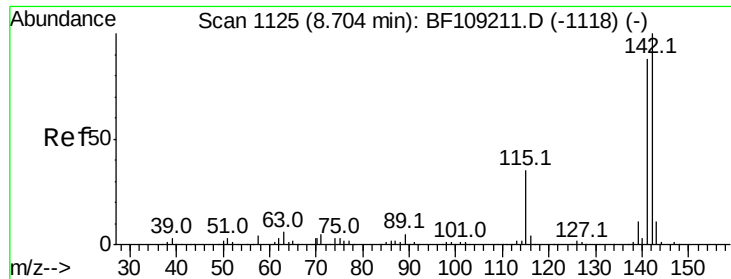
#36
 4-Chloro-3-methylphenol
 Concen: 41.760 ng
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Tgt Ion:107 Resp: 253075
 Ion Ratio Lower Upper
 107 100
 144 25.4 20.5 30.7
 142 76.2 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

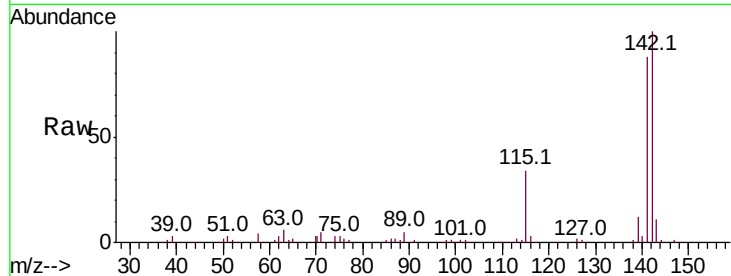




#37
2-Methylnaphthalene
Concen: 44.137 ng
RT: 8.70 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	34.0	26.1	39.1

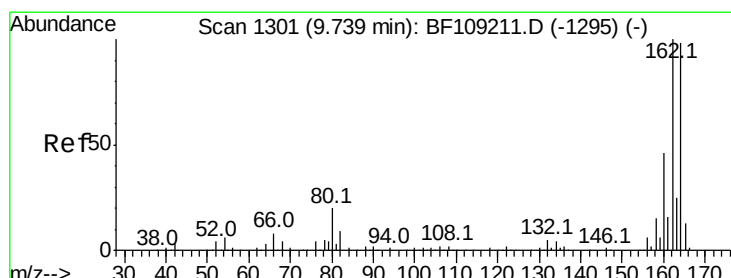
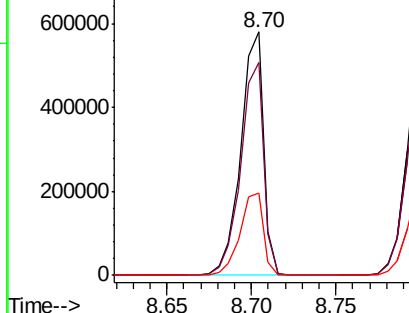
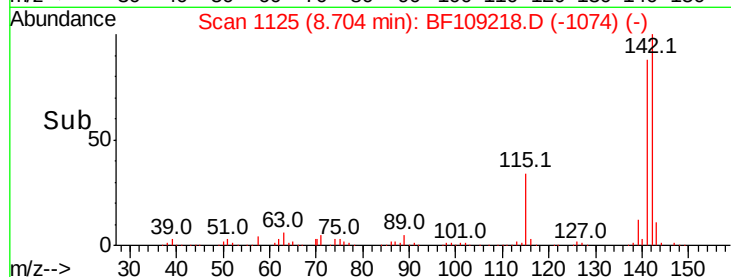


Abundance

Ion 142.00 (141.70 to 142.70): E

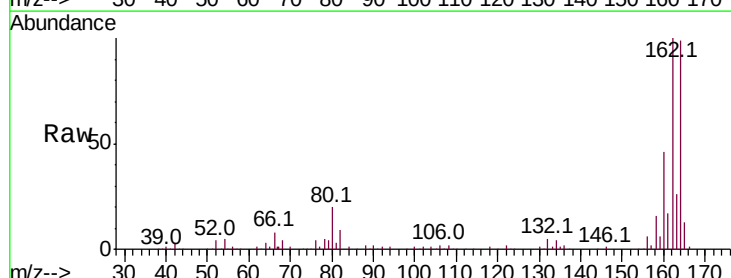
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	46.8	38.3	57.5

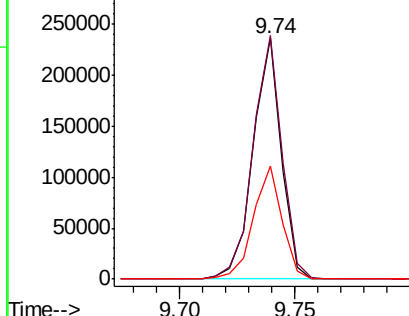
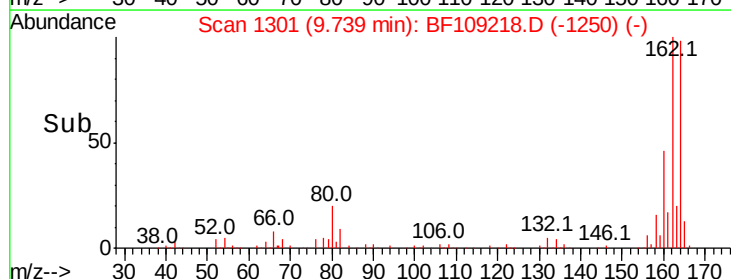


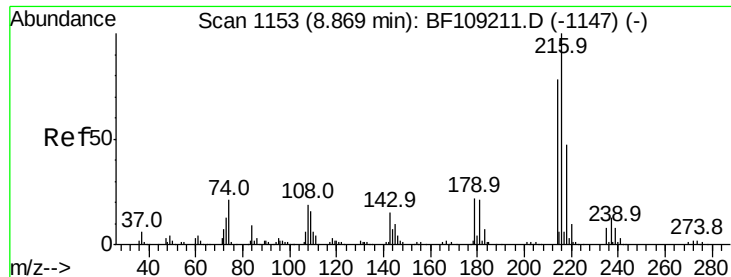
Abundance

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: 35.973 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:216 Resp: 231386

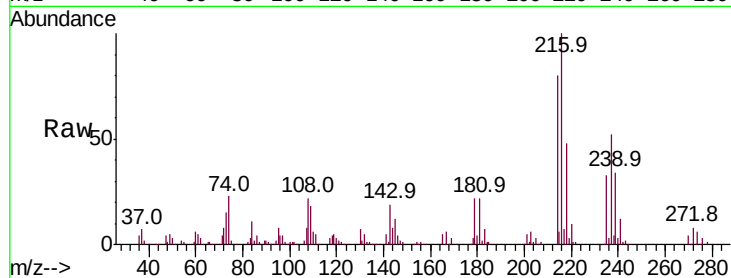
Ion Ratio Lower Upper

216 100

214 79.9 63.0 94.4

179 21.3 18.1 27.1

108 22.4 17.2 25.8

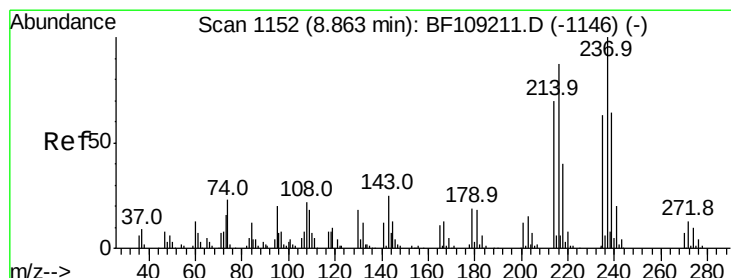
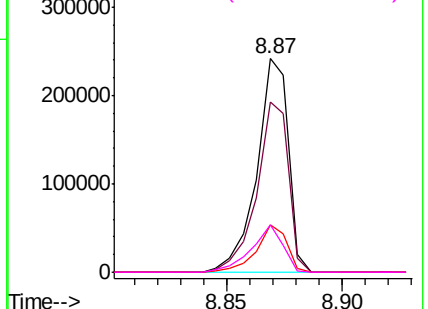
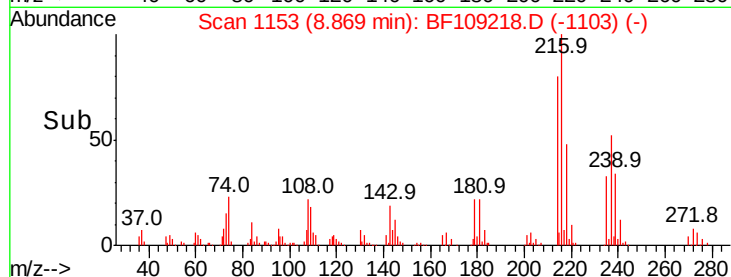


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 100.572 ng

RT: 8.86 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

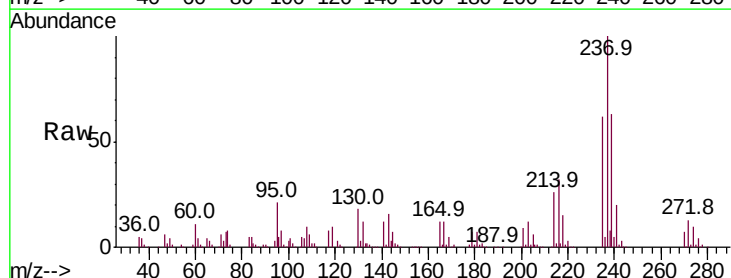
Tgt Ion:237 Resp: 282161

Ion Ratio Lower Upper

237 100

235 62.4 44.8 84.8

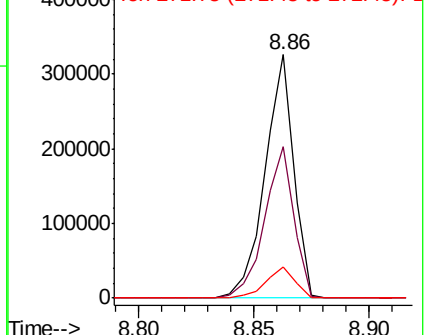
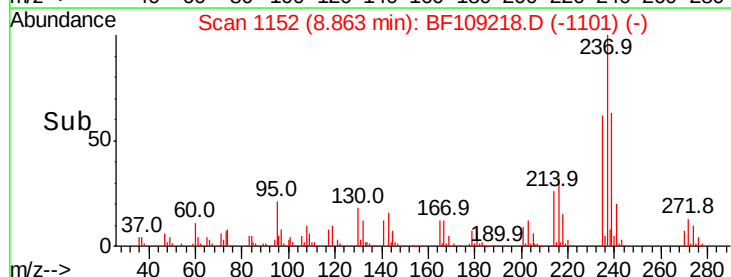
272 12.7 0.0 33.3

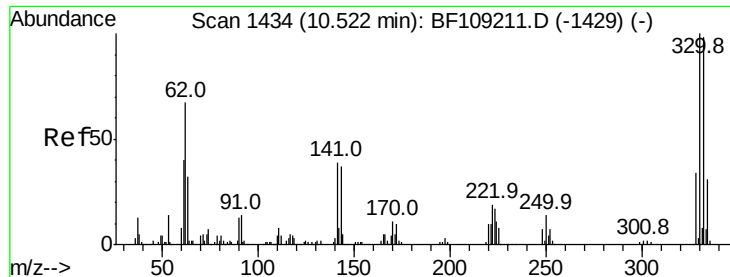


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 105.441 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampleId :

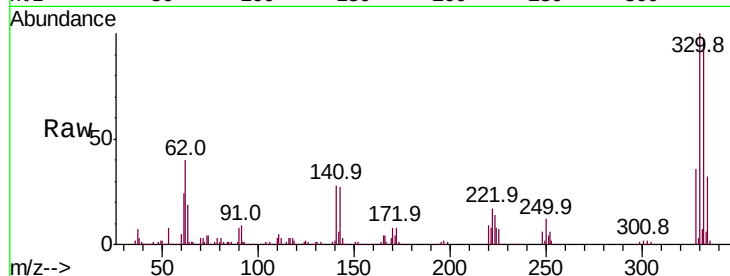
Tot Ion:330 Resp: 210081

Ion Ratio Lower Upper

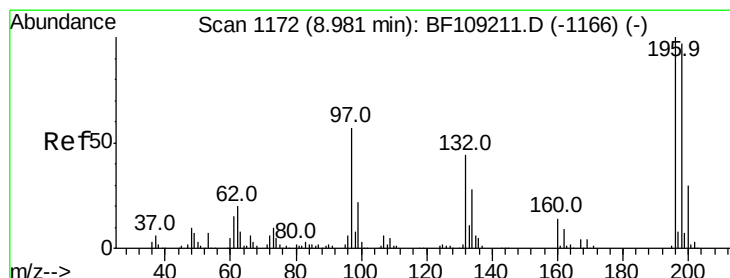
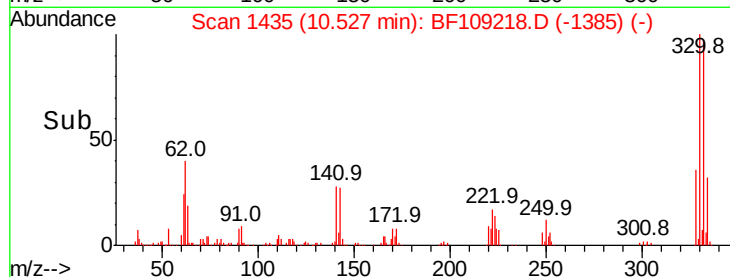
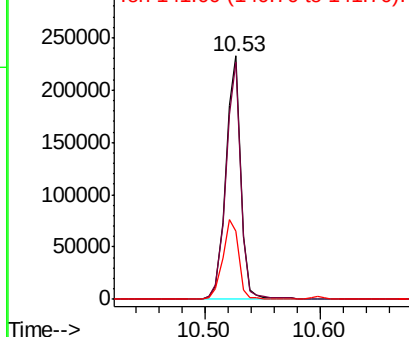
330 100

332 96.9 77.0 115.6

141 35.1 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: 40.890 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

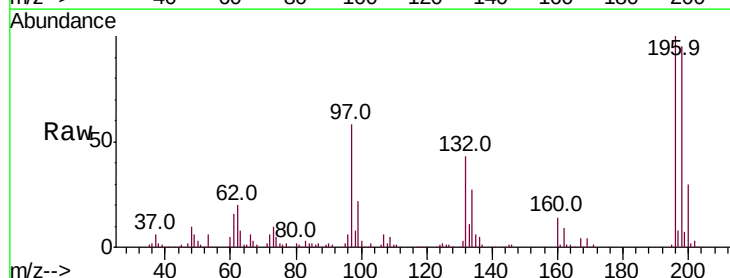
Tgt Ion:196 Resp: 168806

Ion Ratio Lower Upper

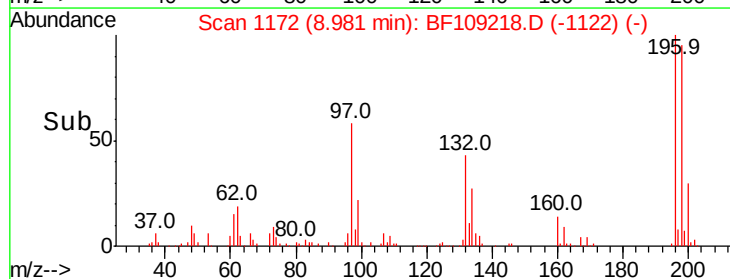
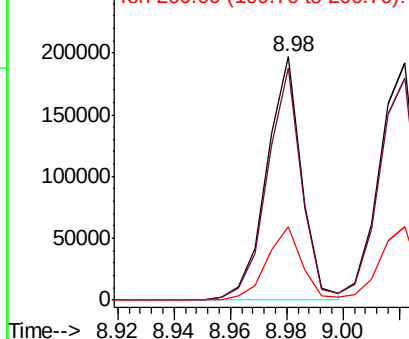
196 100

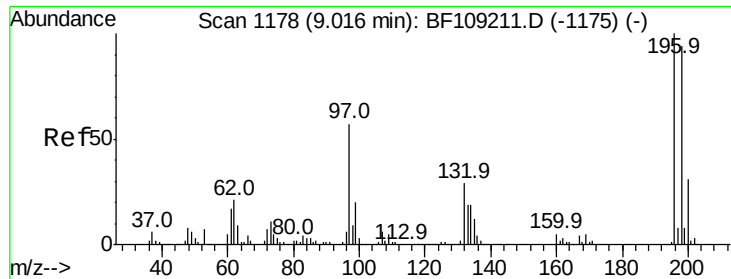
198 95.2 75.7 113.5

200 30.3 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

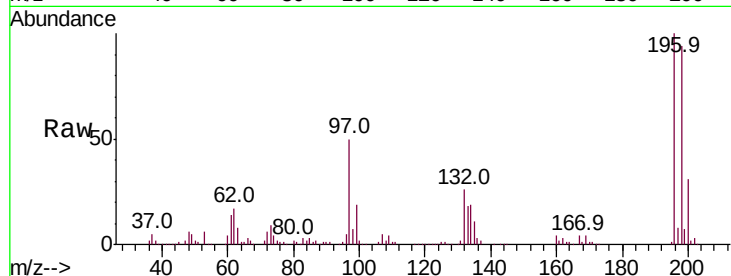




#43
 2,4,5-Trichlorophenol
 Concen: 41.420 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	196	Resp:	180593
Ion	Ratio	Lower	Upper
196	100		
198	93.6	74.6	112.0
97	50.3	42.9	64.3
132	26.4	26.3	39.5



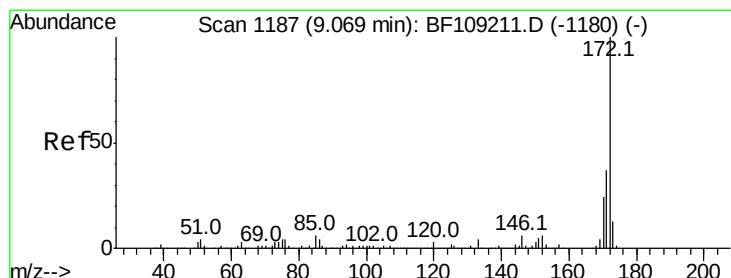
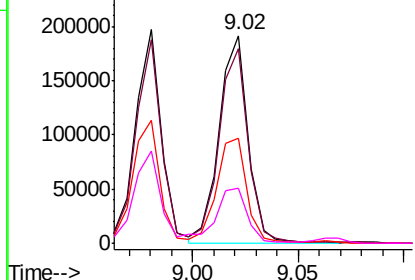
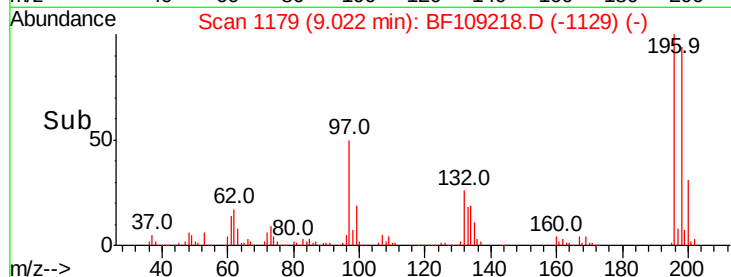
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

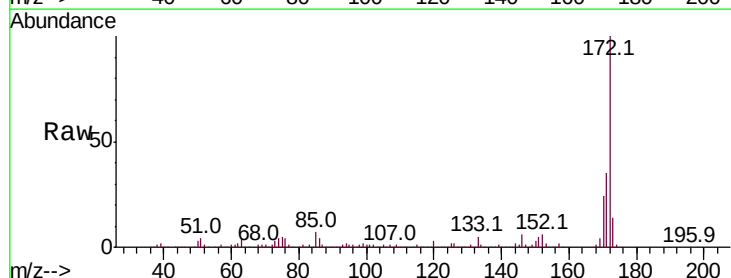
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 72.373 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Tgt Ion:	172	Resp:	969869
Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.8	19.6	29.4

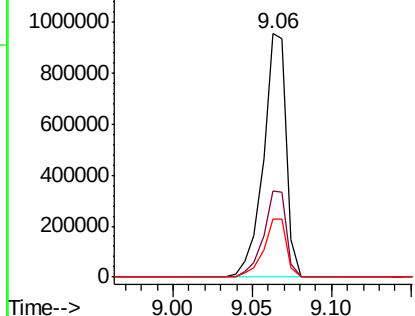
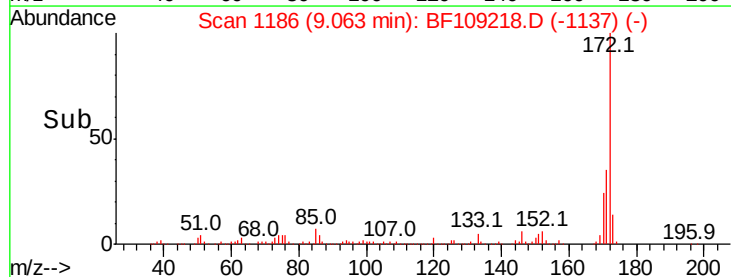


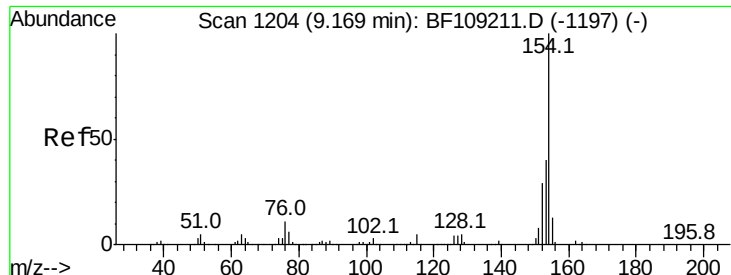
Abundance

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

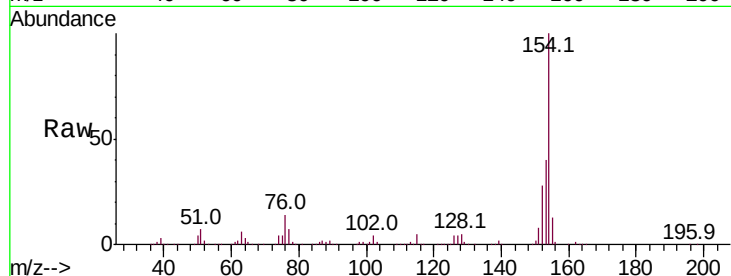




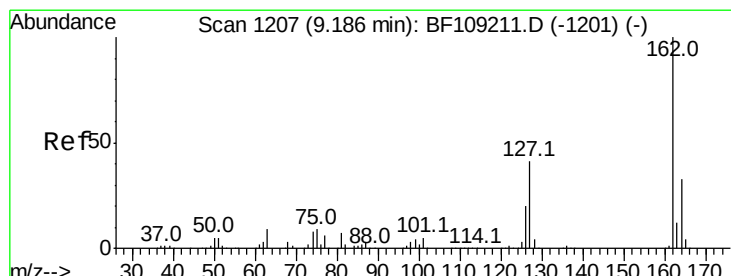
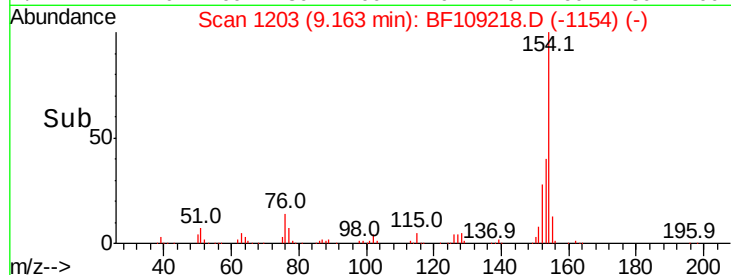
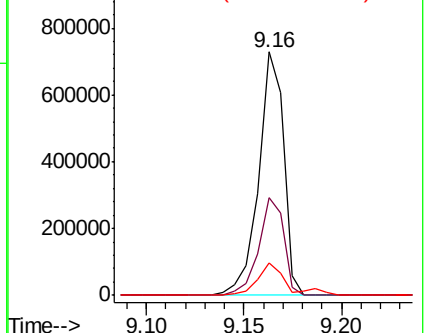
#45
1,1'-Biphenyl
Concen: 39.251 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.9	21.3	61.3
76	13.5	0.0	34.0

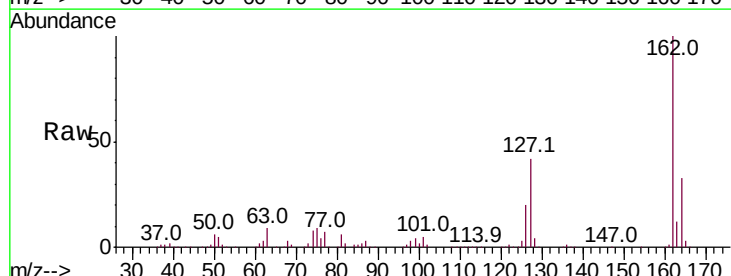


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

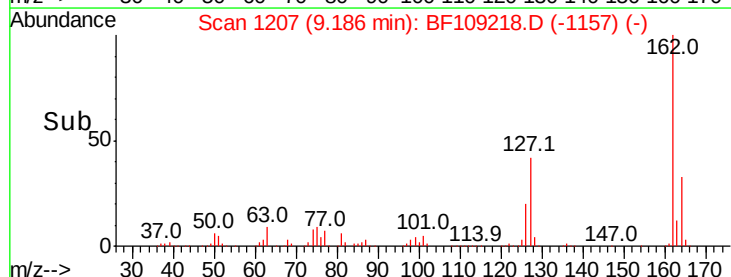
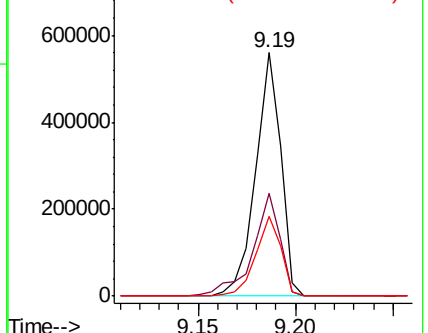


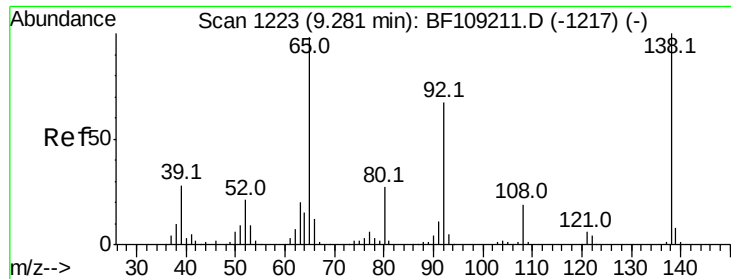
#46
2-Chloronaphthalene
Concen: 38.007 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.9	50.9
164	32.8	26.5	39.7



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

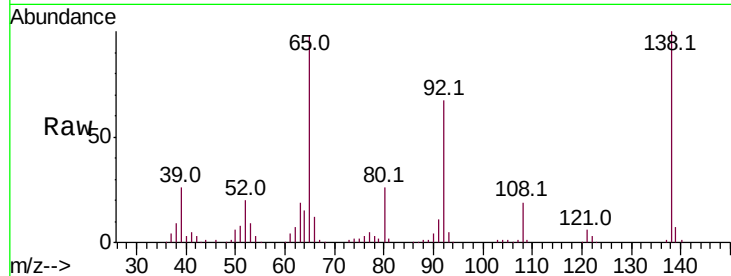




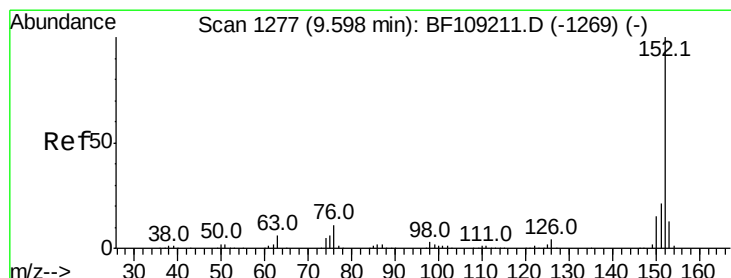
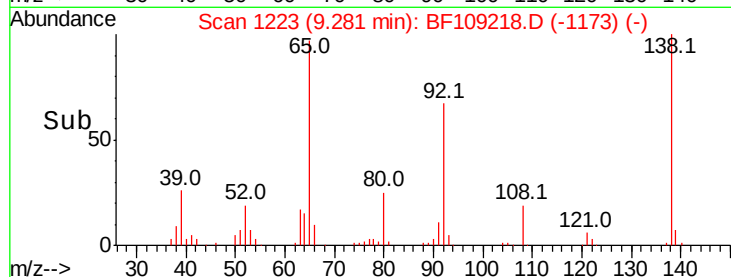
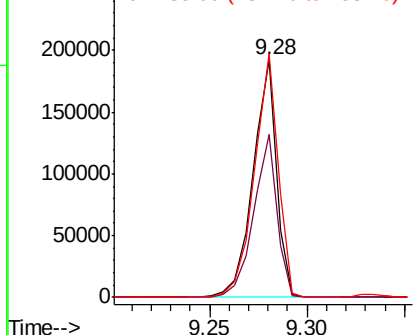
#47
2-Nitroaniline
Concen: 42.944 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 65 Resp: 160174
Ion Ratio Lower Upper
65 100
92 68.7 55.8 83.6
138 102.5 91.2 136.8

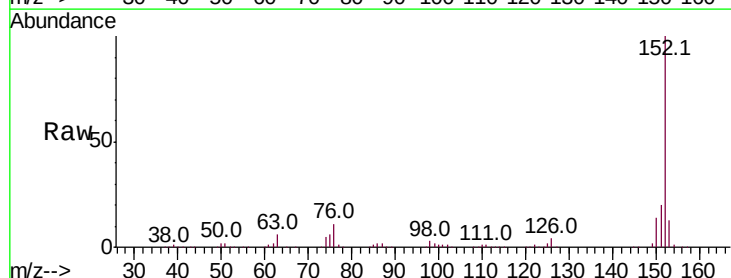


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

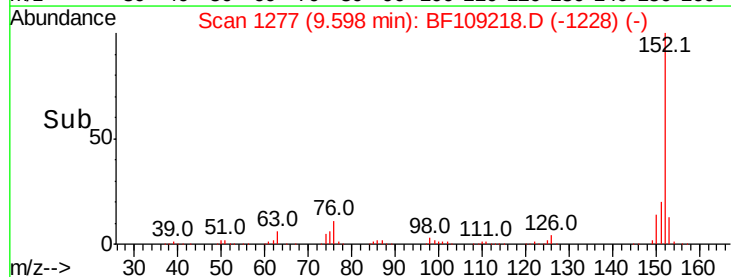
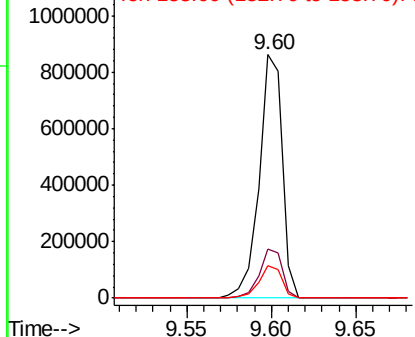


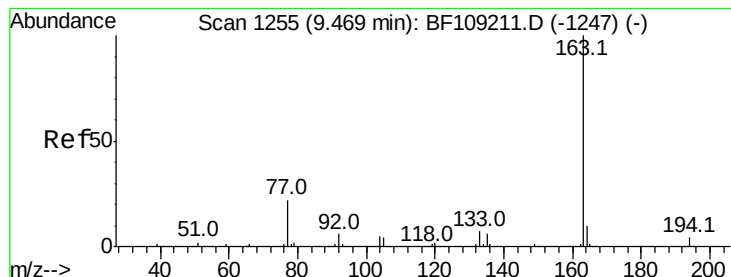
#48
Acenaphthylene
Concen: 41.301 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion: 152 Resp: 819658
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 13.1 10.7 16.1



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





#49

Dimethylphthalate

Concen: 39.947 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampleId :

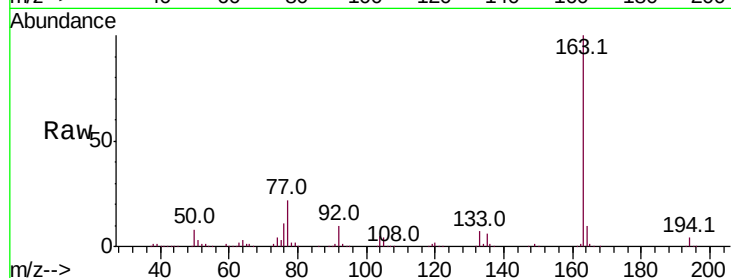
Tot Ion:163 Resp: 587229

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

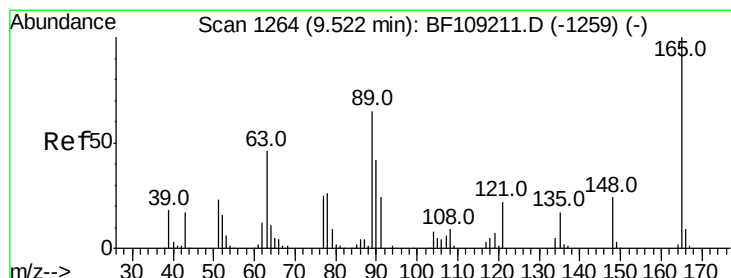
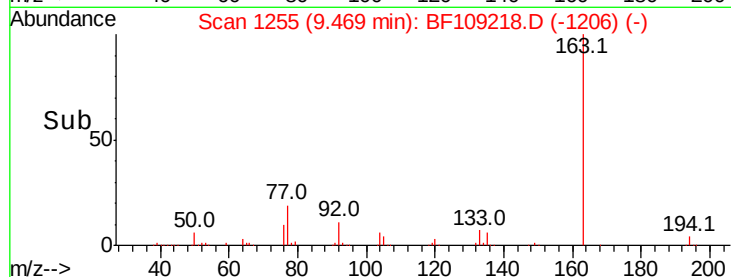
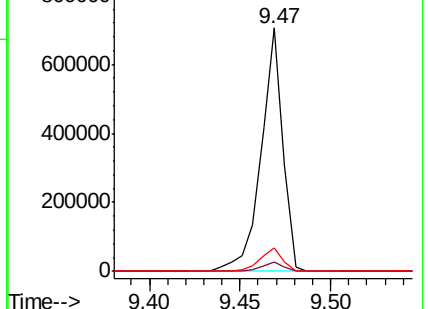
164 9.9 8.2 12.2



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: 43.615 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

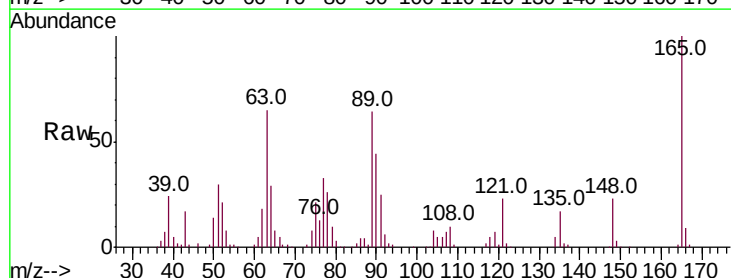
Tgt Ion:165 Resp: 126981

Ion Ratio Lower Upper

165 100

63 65.4 44.7 67.1

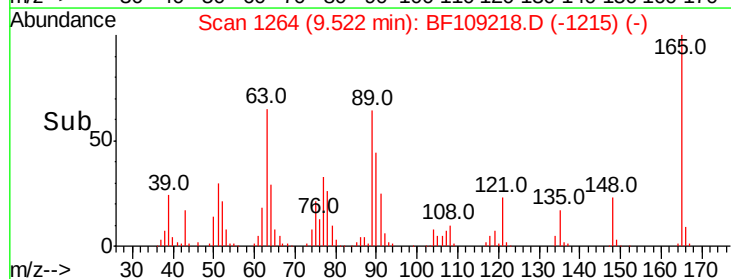
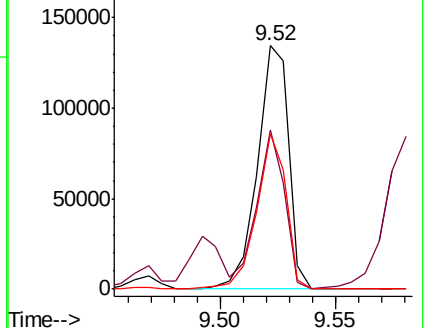
89 63.8 44.0 66.0

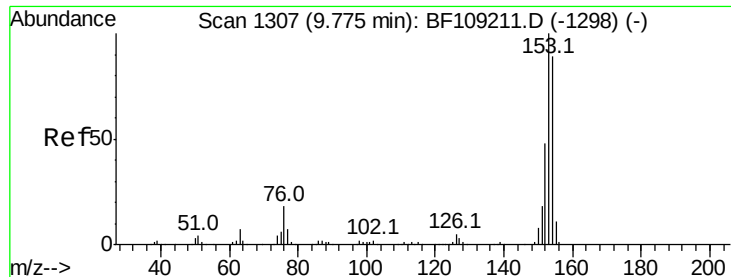


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 41.720 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampleId :

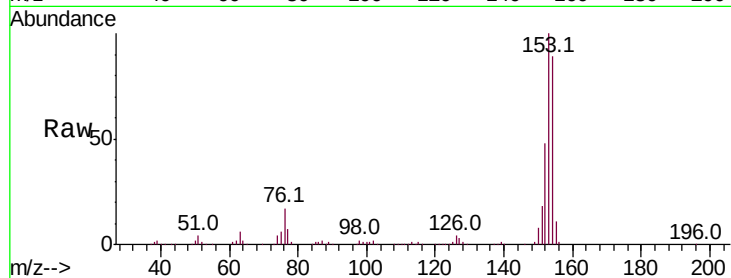
Tot Ion:154 Resp: 500595

Ion Ratio Lower Upper

154 100

153 112.6 91.2 136.8

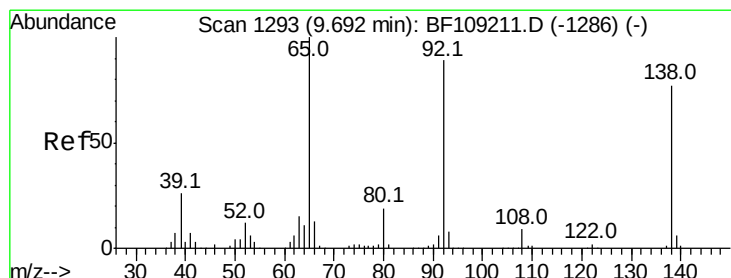
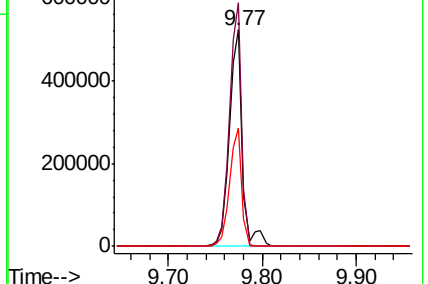
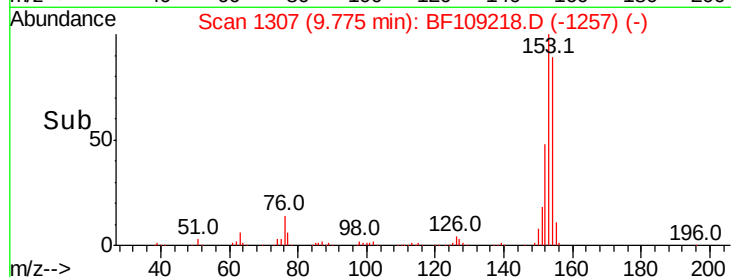
152 54.4 43.8 65.8



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: 33.209 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

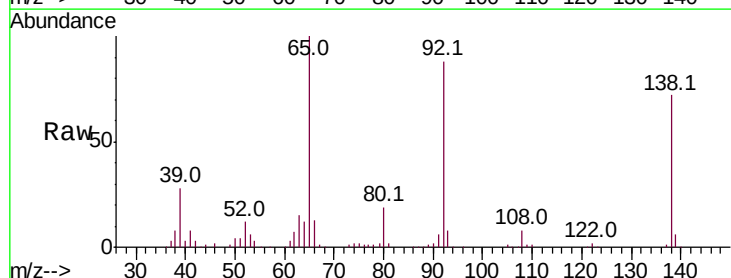
Tgt Ion:138 Resp: 111969

Ion Ratio Lower Upper

138 100

108 11.0 9.4 14.0

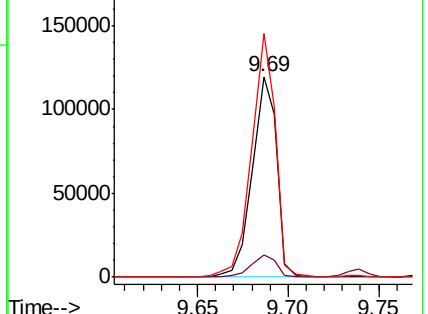
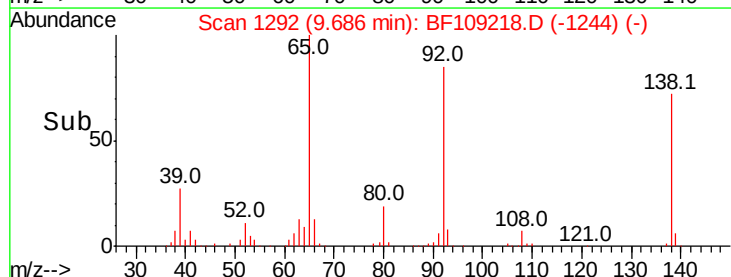
92 121.7 89.4 134.2

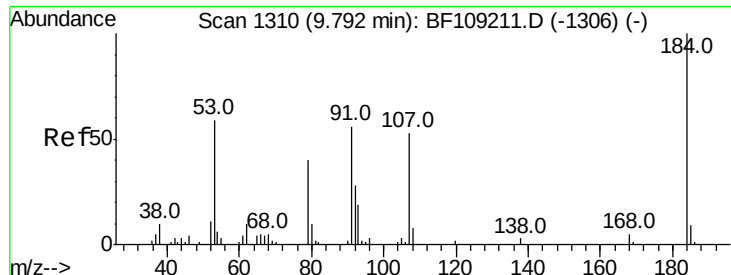


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

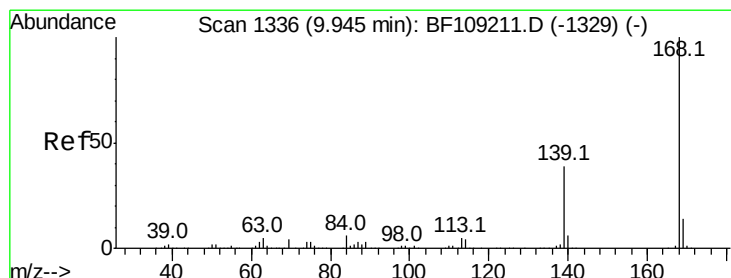
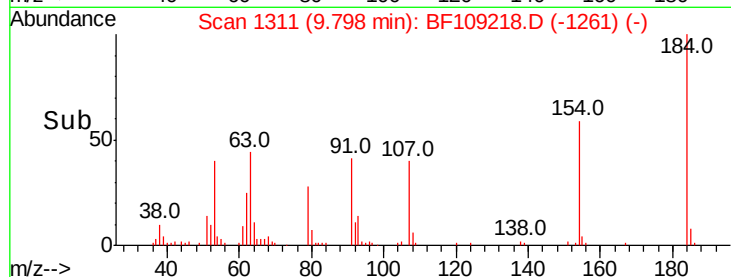
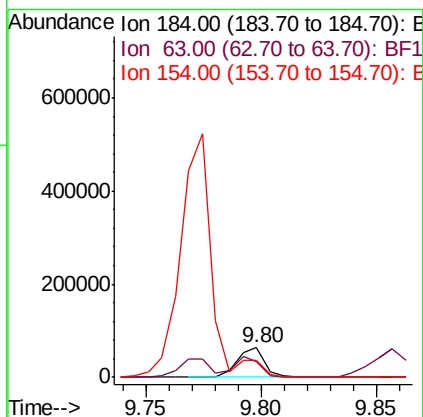
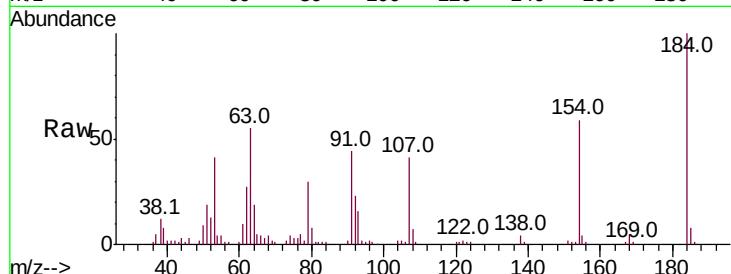




#53
2,4-Dinitrophenol
Concen: 54.389 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

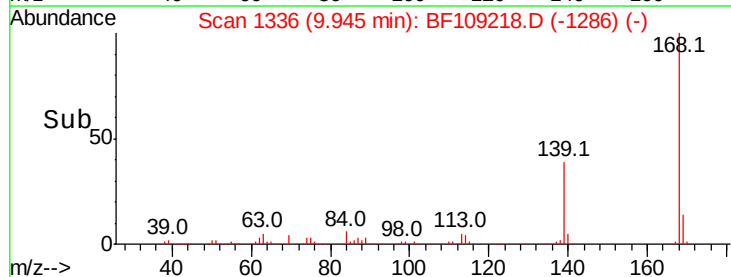
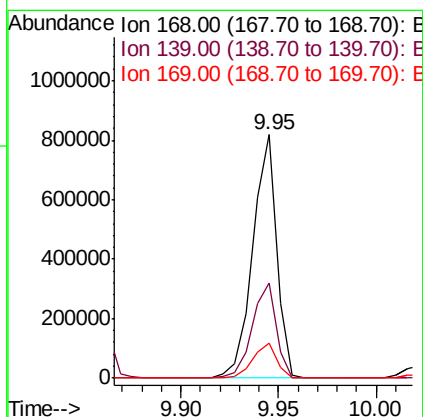
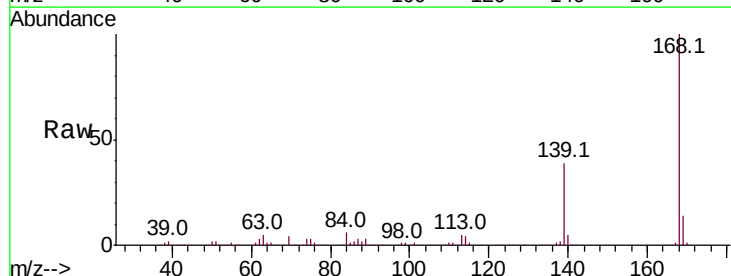
Instrument :
BNA_F
ClientSampleId :

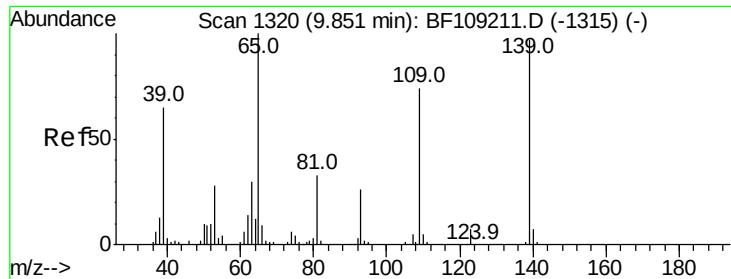
Tot Ion:184 Resp: 53008
Ion Ratio Lower Upper
184 100
63 54.7 54.2 81.2
154 59.5 184.0 276.0#



#54
Dibenzofuran
Concen: 39.004 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion:168 Resp: 696005
Ion Ratio Lower Upper
168 100
139 39.1 30.1 45.1
169 14.2 10.9 16.3

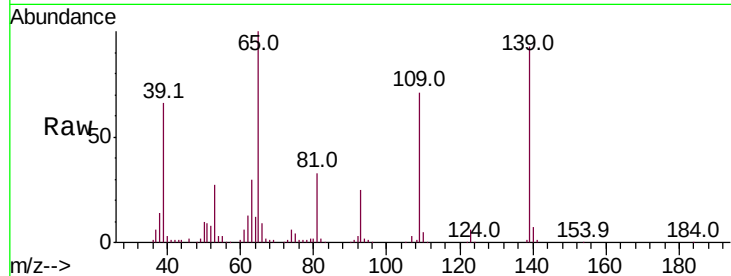




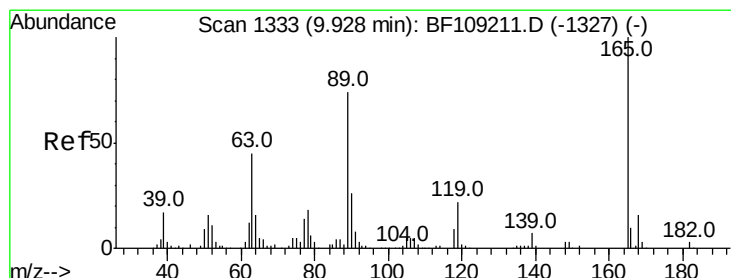
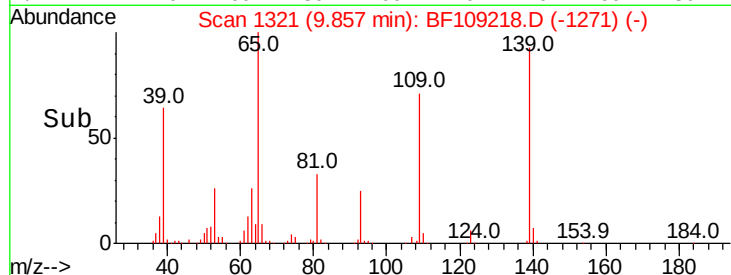
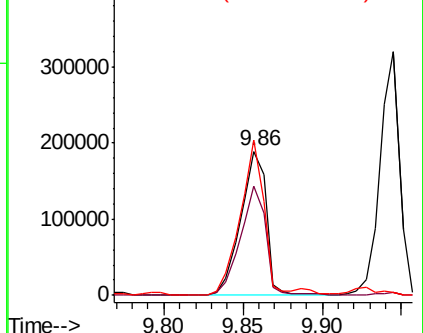
#55
4-Nitrophenol
Concen: 83.509 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 212105
Ion Ratio Lower Upper
139 100
109 76.1 48.4 88.4
65 107.4 72.6 112.6

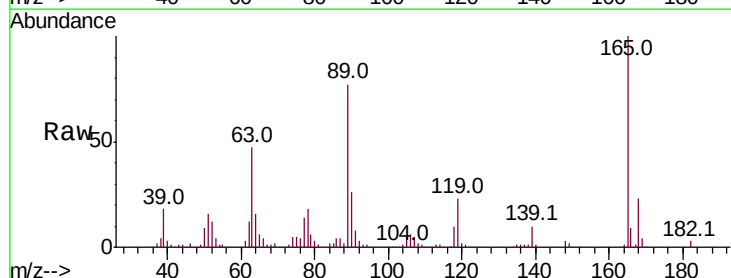


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

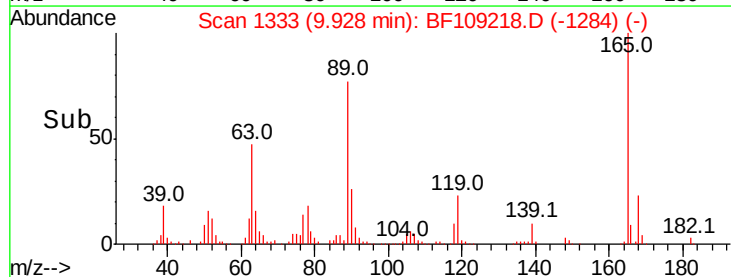
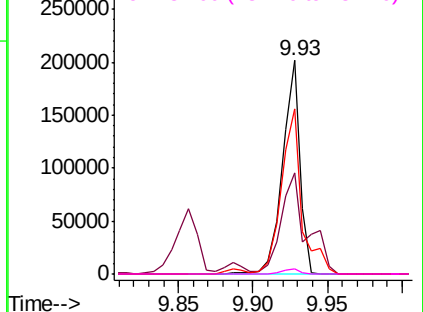


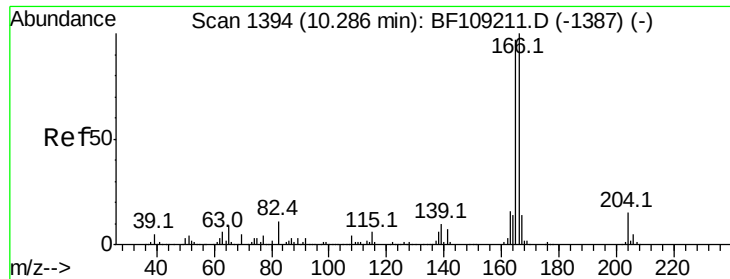
#56
2,4-Dinitrotoluene
Concen: 44.971 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion:165 Resp: 165666
Ion Ratio Lower Upper
165 100
63 47.1 36.4 54.6
89 77.3 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

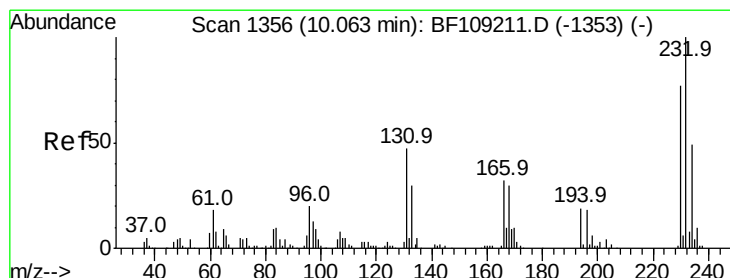
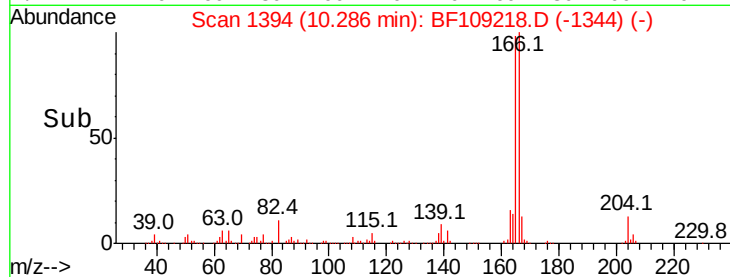
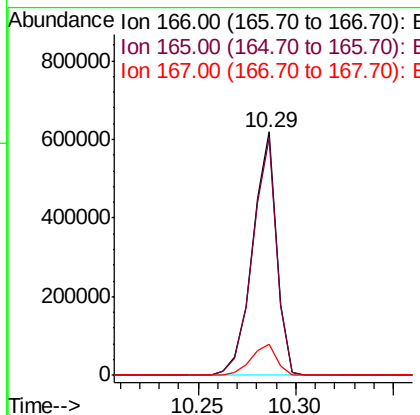
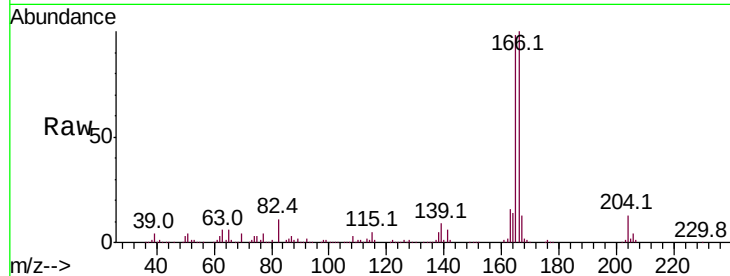




#57
 Fluorene
 Concen: 41.415 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

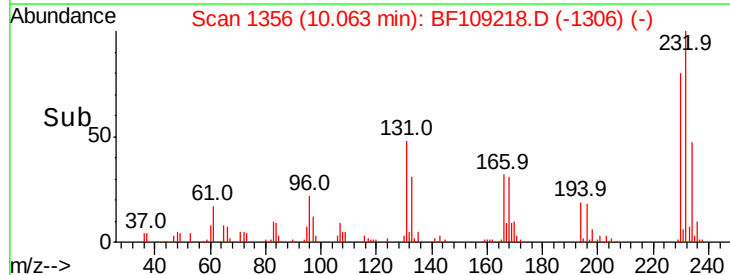
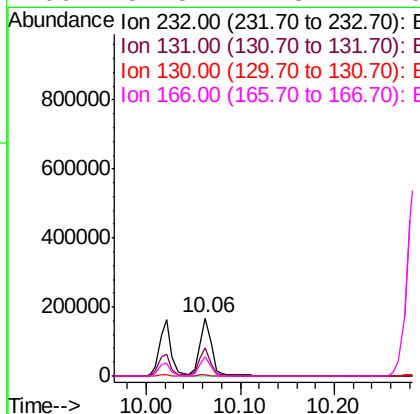
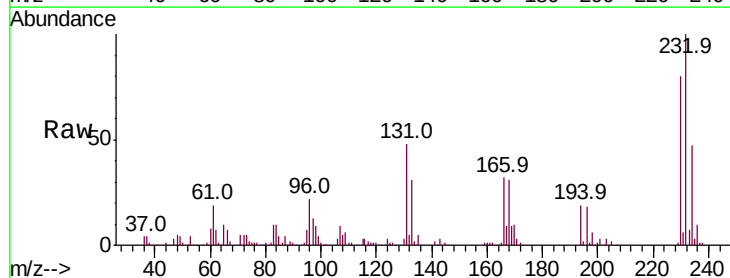
Instrument :
 BNA_F
 ClientSampleId :

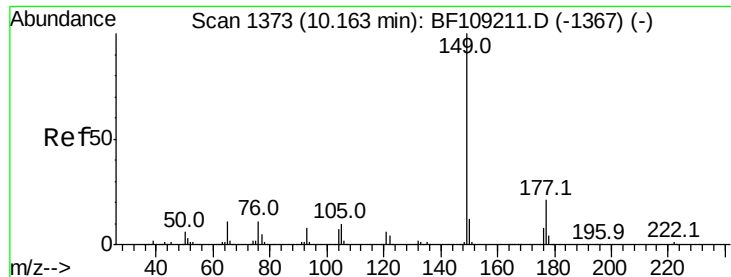
Tot Ion:166 Resp: 527298
 Ion Ratio Lower Upper
 166 100
 165 97.7 79.8 119.8
 167 13.0 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 42.605 ng
 RT: 10.06 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Tgt Ion:232 Resp: 147081
 Ion Ratio Lower Upper
 232 100
 131 46.7 43.8 65.8
 130 2.3 2.1 3.1
 166 31.8 27.8 41.6

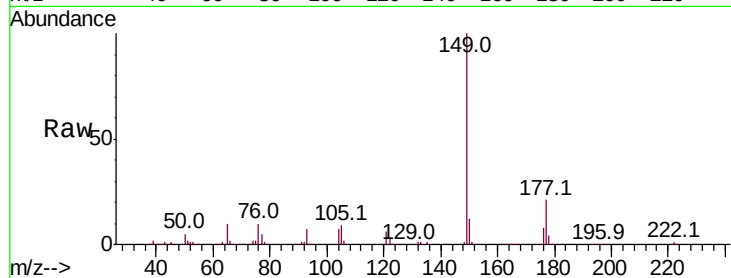




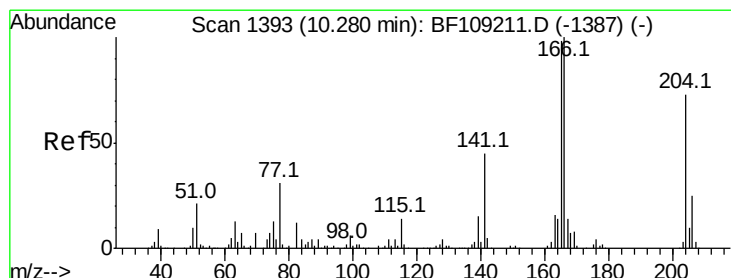
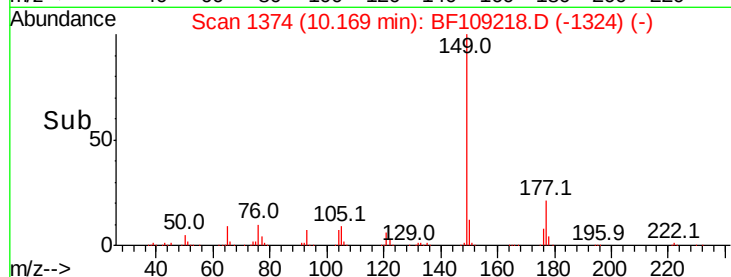
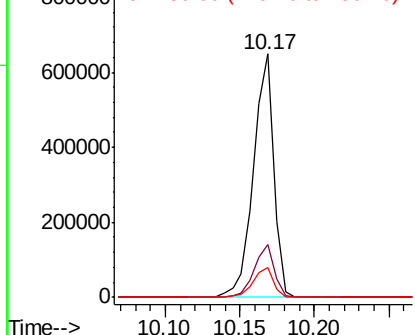
#59
Diethylphthalate
Concen: 40.673 ng
RT: 10.17 min Scan# 1374
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.5	16.1	24.1
150	12.4	10.1	15.1

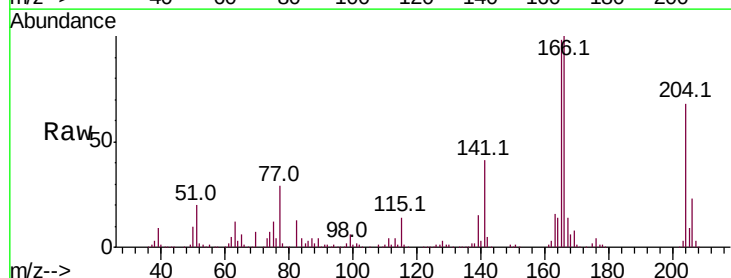


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

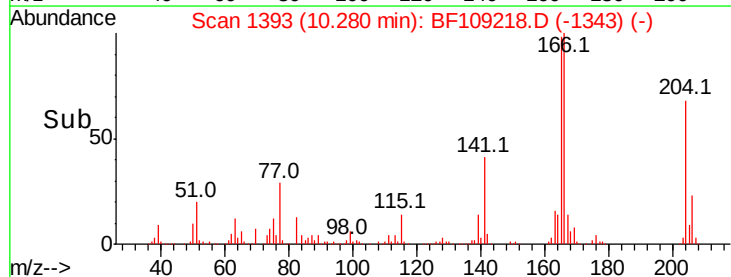
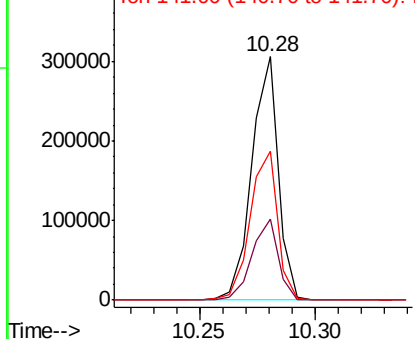


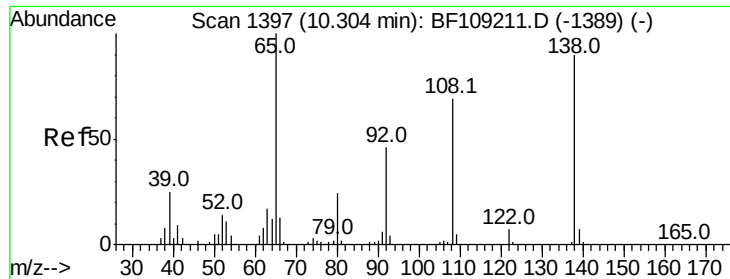
#60
4-Chlorophenyl-phenylether
Concen: 36.957 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.5	39.7
141	61.1	54.6	81.8



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

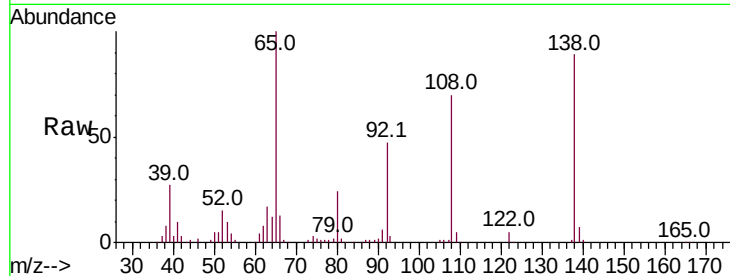




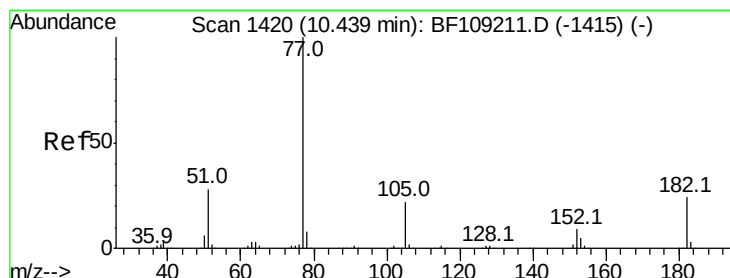
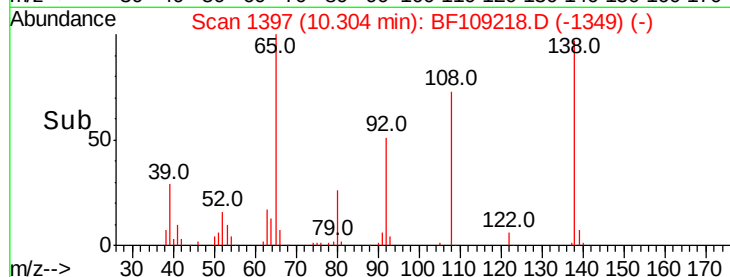
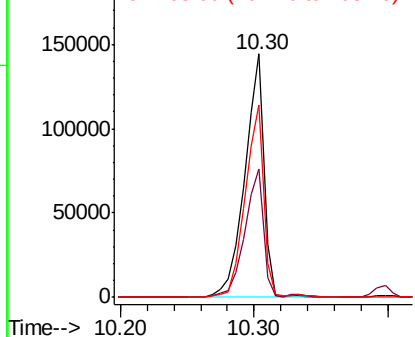
#61
4-Nitroaniline
Concen: 43.421 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.02 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 142773
Ion Ratio Lower Upper
138 100
92 52.6 30.2 70.2
108 79.0 52.5 92.5

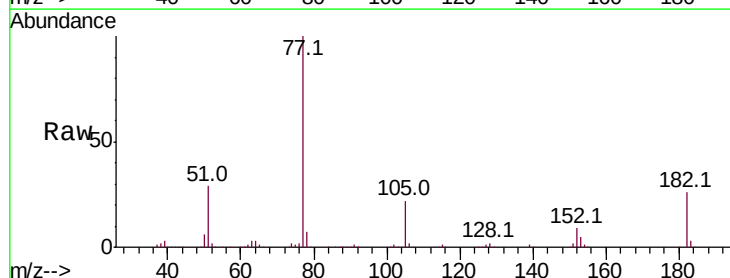


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

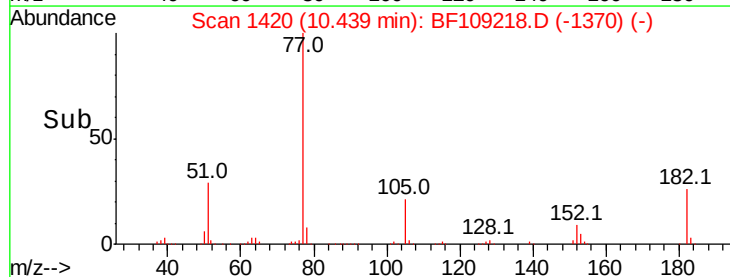
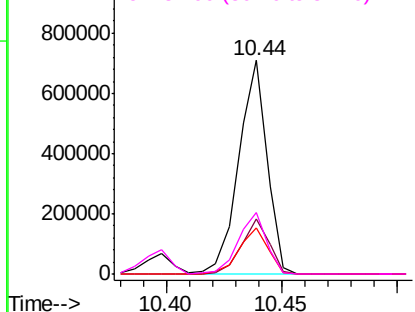


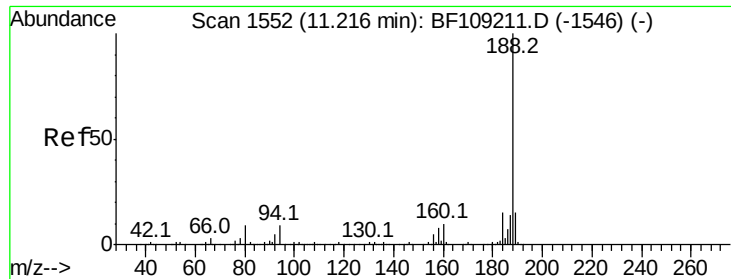
#62
Azobenzene
Concen: 39.401 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion: 77 Resp: 609383
Ion Ratio Lower Upper
77 100
182 25.5 1.7 41.7
105 21.8 3.0 43.0
51 29.0 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

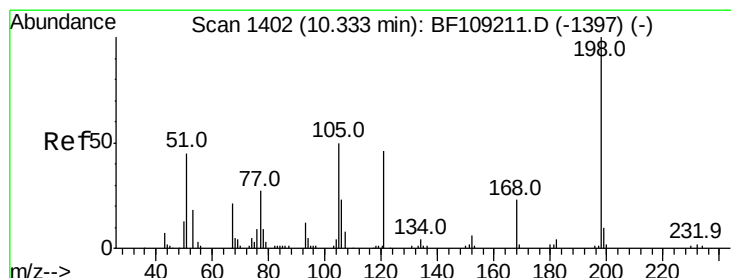
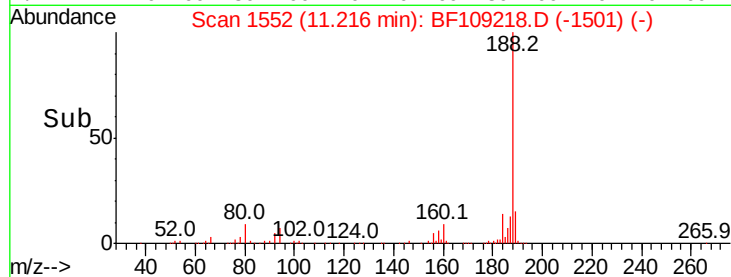
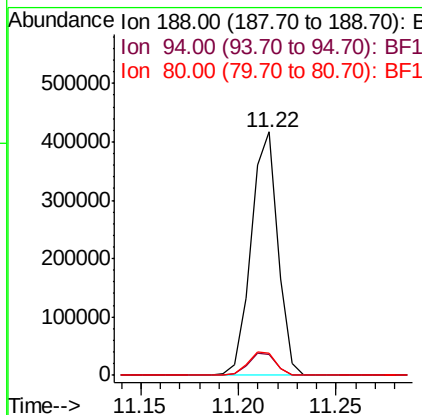
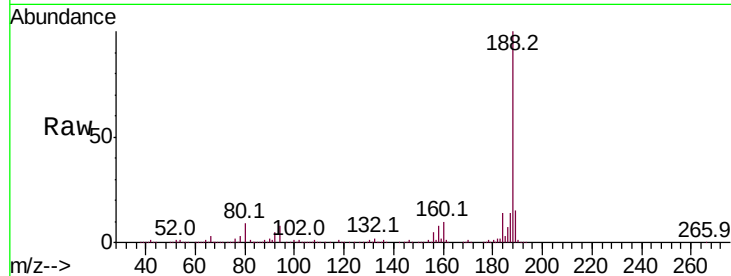




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

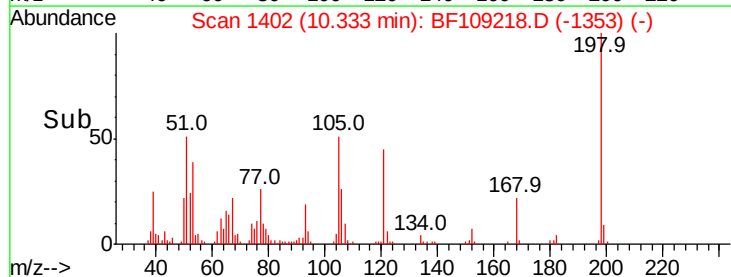
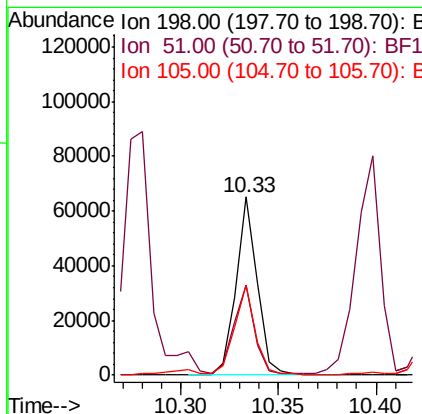
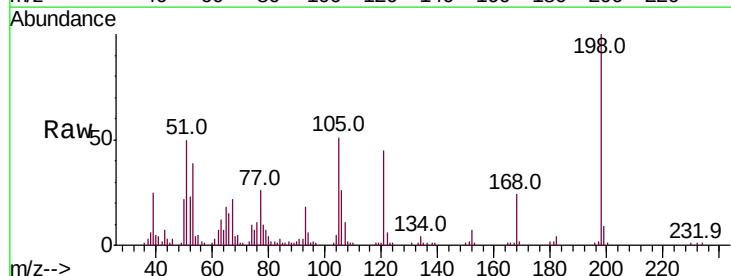
Instrument :
BNA_F
ClientSampled :

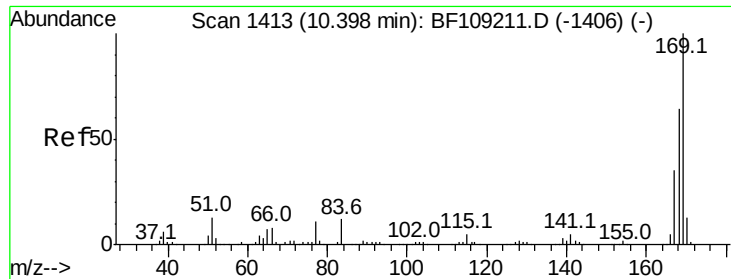
Tot Ion:188 Resp: 395938
Ion Ratio Lower Upper
188 100
94 8.5 8.5 12.7
80 9.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 33.218 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion:198 Resp: 48960
Ion Ratio Lower Upper
198 100
51 50.2 37.7 77.7
105 50.6 36.3 76.3

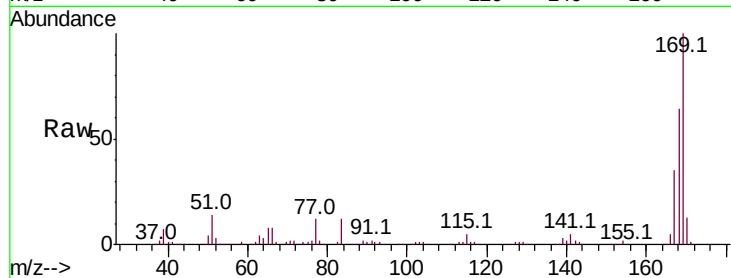




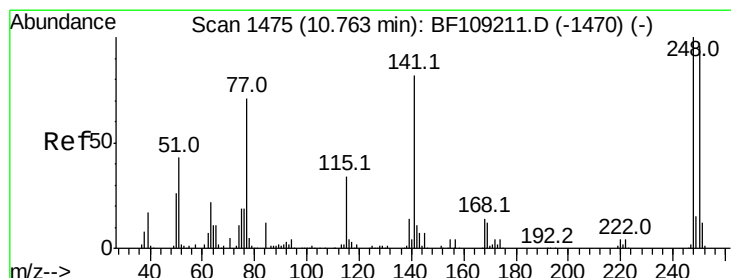
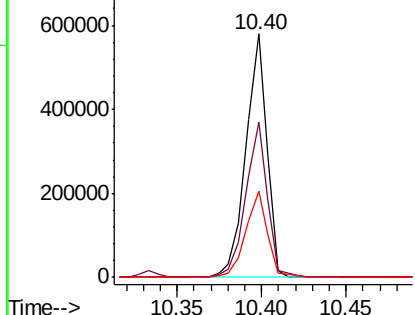
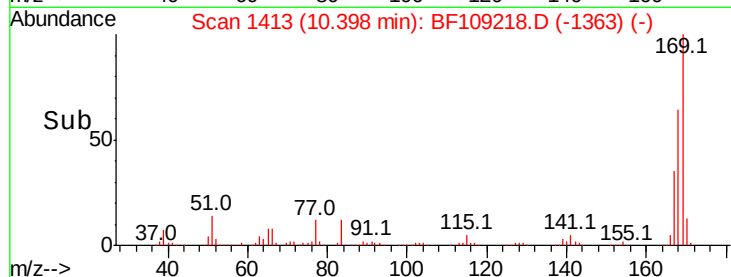
#65
 n-Nitrosodiphenylamine
 Concen: 38.905 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
169	100		
168	63.8	54.4	81.6
167	35.5	29.8	44.6

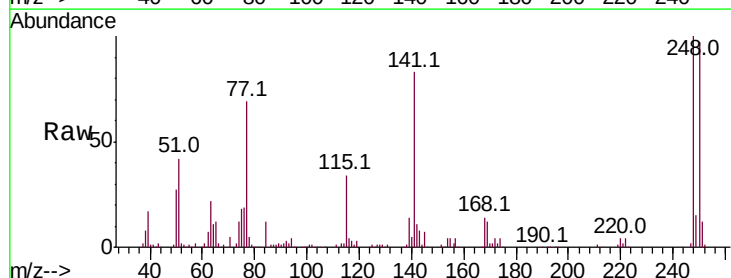


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

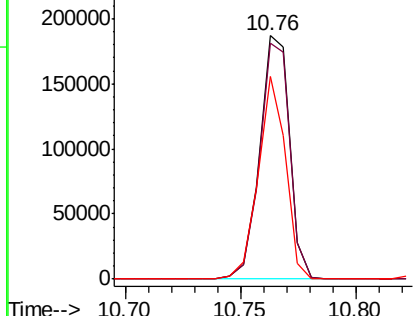
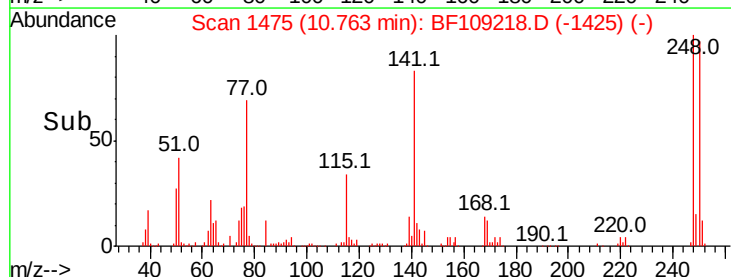


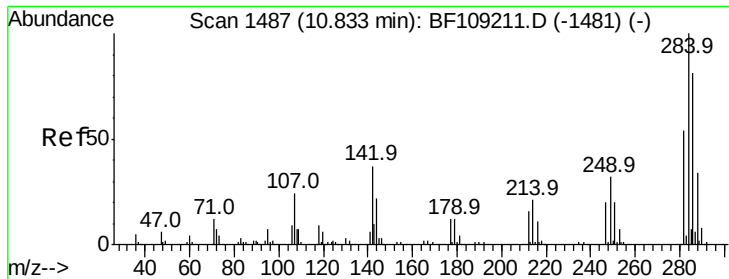
#66
 4-Bromophenyl-phenylether
 Concen: 38.324 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.2	76.9	115.3
141	83.1	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: 37.463 ng

RT: 10.83 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampleId :

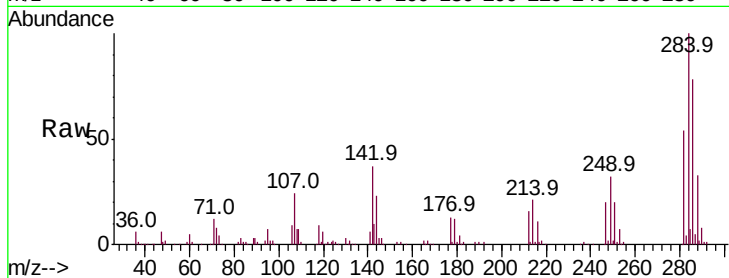
Tot Ion:284 Resp: 174938

Ion Ratio Lower Upper

284 100

142 36.8 34.6 52.0

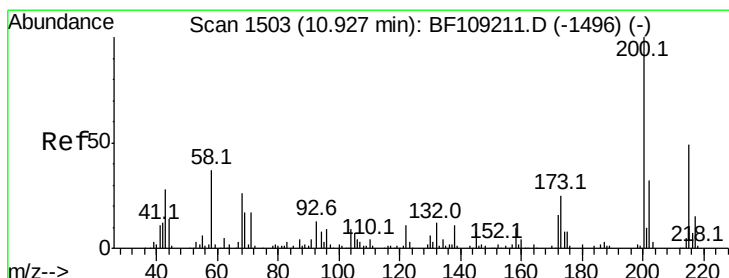
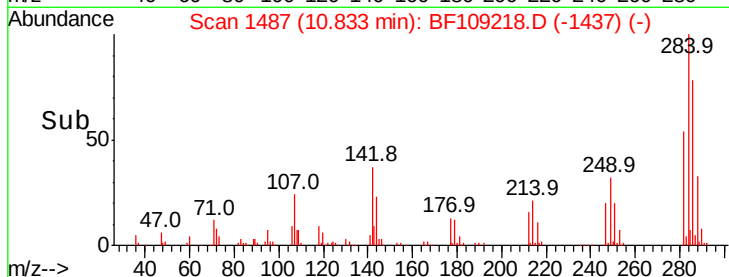
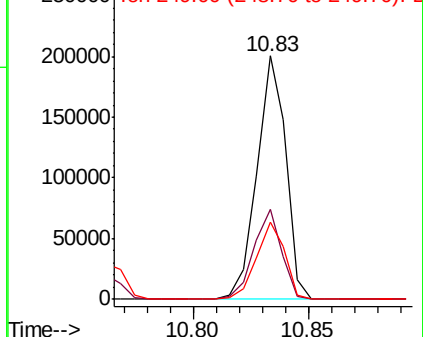
249 31.7 24.8 37.2



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: 40.477 ng

RT: 10.93 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

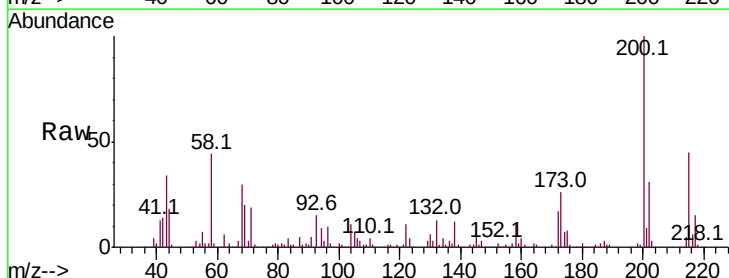
Tgt Ion:200 Resp: 162850

Ion Ratio Lower Upper

200 100

173 26.3 8.6 48.6

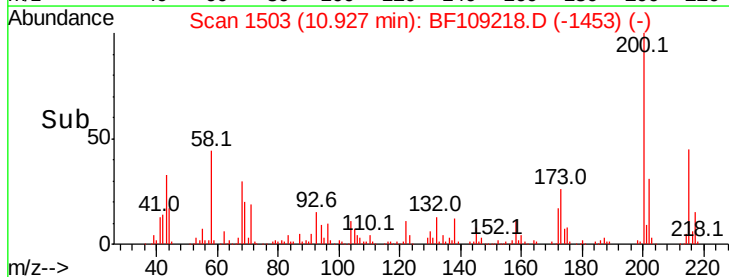
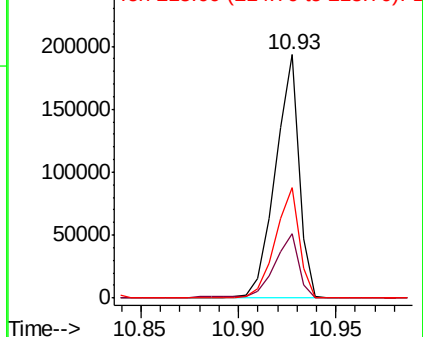
215 45.5 25.1 65.1

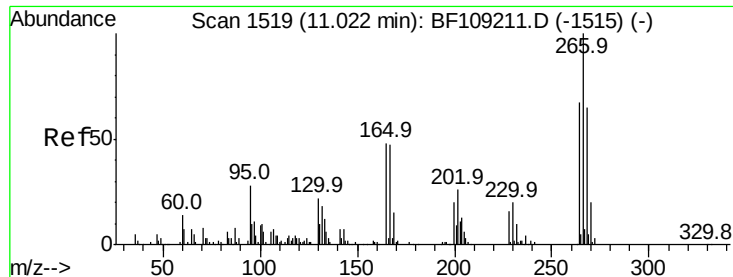


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

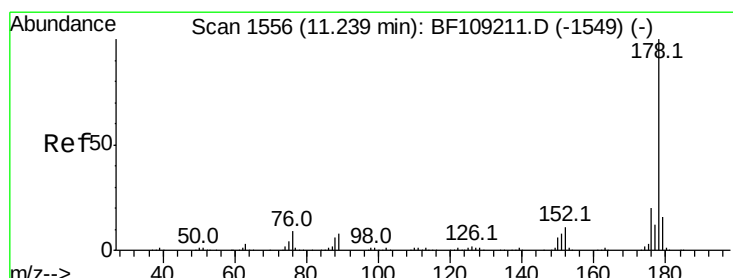
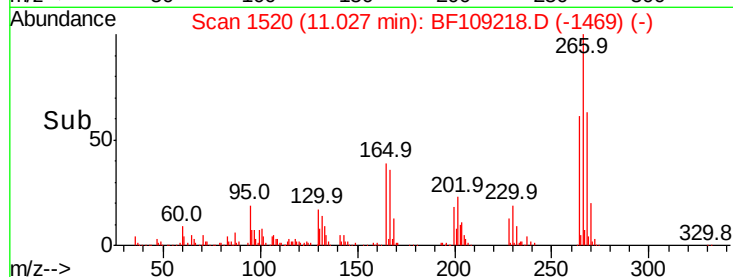
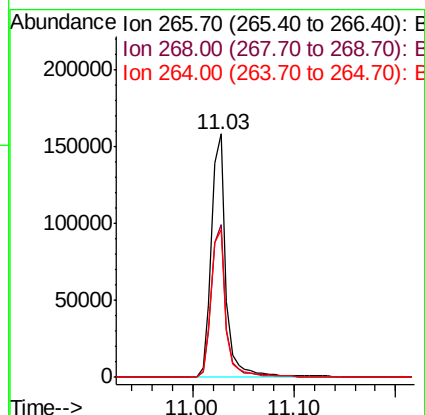
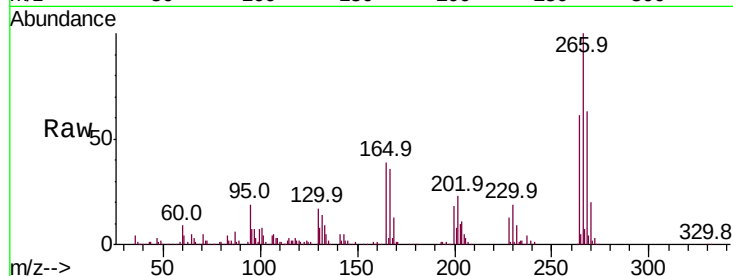




#69
 Pentachlorophenol
 Concen: 57.053 ng
 RT: 11.03 min Scan# 1520
 Delta R.T. 0.00 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

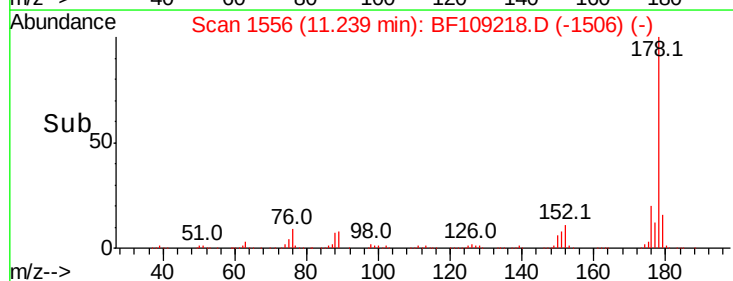
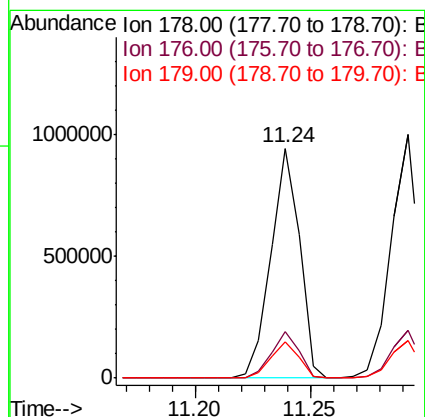
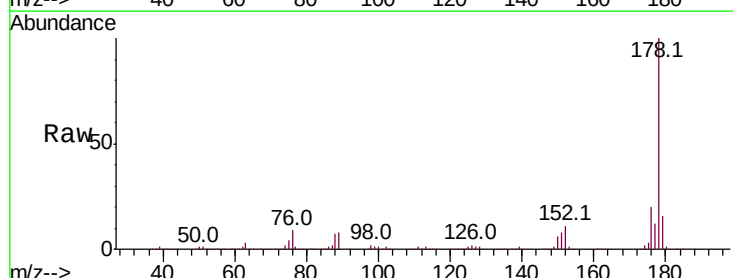
Instrument :
 BNA_F
 ClientSampleId :

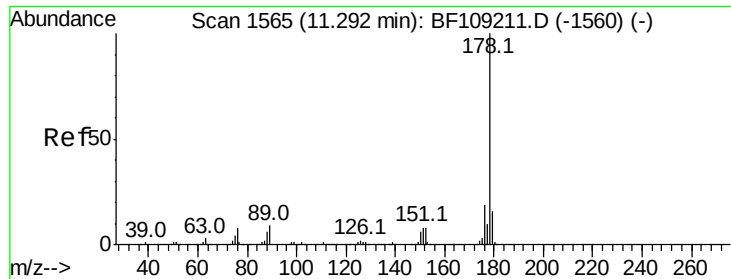
Tot Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.1	76.7
264	60.6	49.5	74.3



#70
 Phenanthrene
 Concen: 41.275 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.5	13.0	19.6

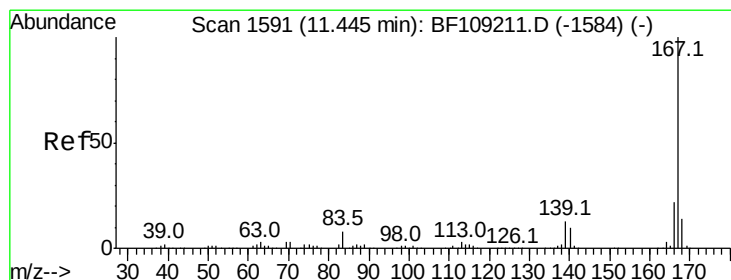
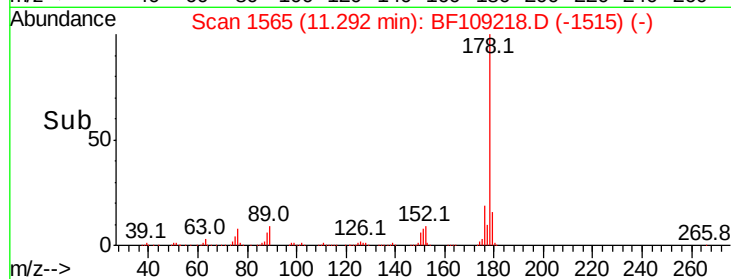
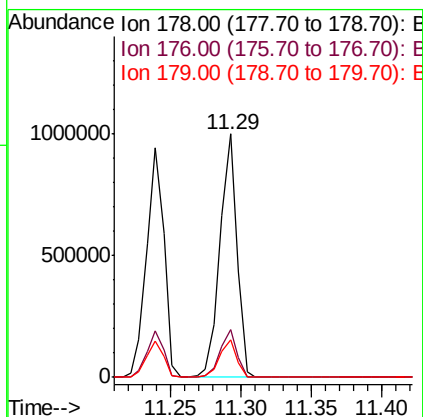
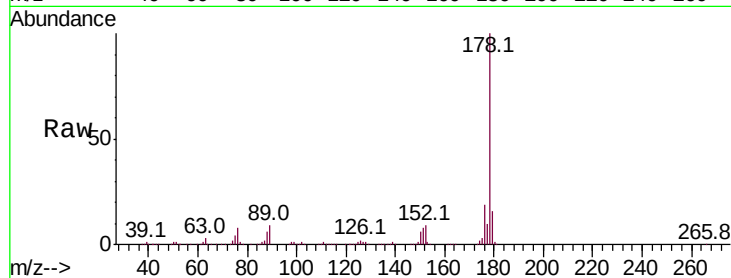




#71
 Anthracene
 Concen: 41.933 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

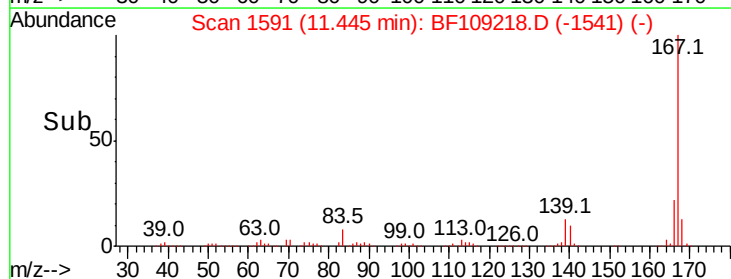
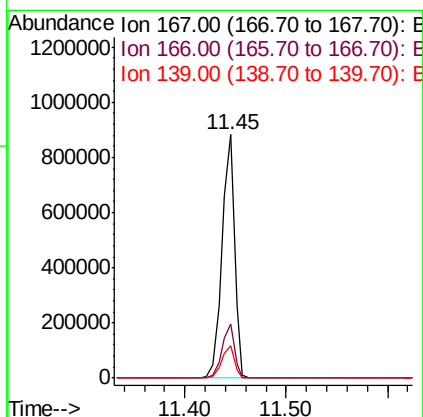
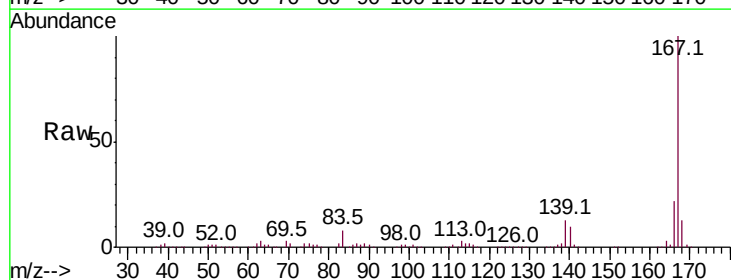
Instrument :
 BNA_F
 ClientSampled :

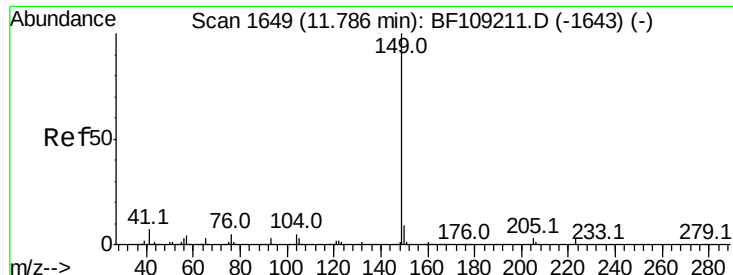
Tot Ion:178 Resp: 840798
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 15.5 12.6 19.0



#72
 Carbazole
 Concen: 37.852 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Tgt Ion:167 Resp: 755146
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.6 26.4
 139 13.2 10.9 16.3

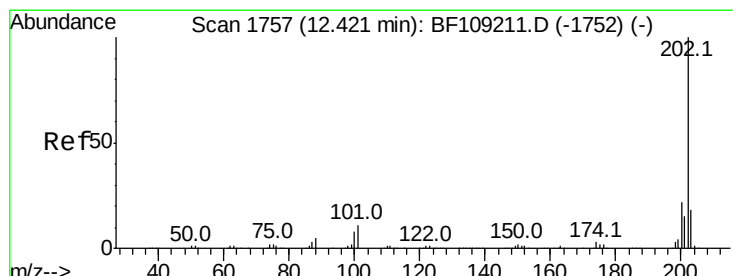
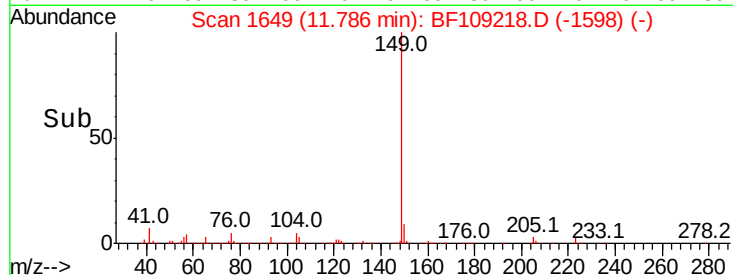
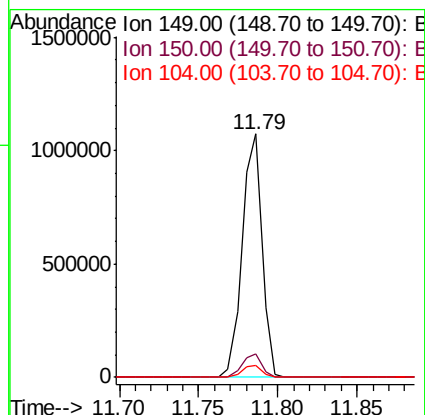
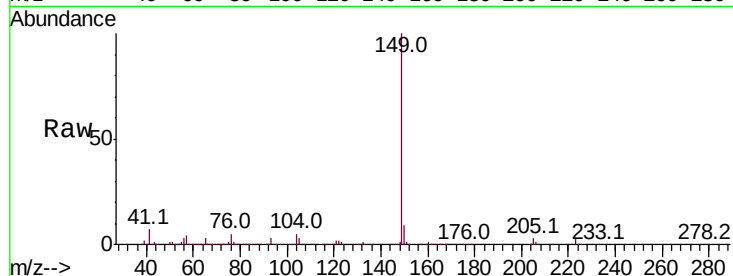




#73
Di-n-butylphthalate
Concen: 40.367 ng
RT: 11.79 min Scan# 1649
Delta R.T. 0.00 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

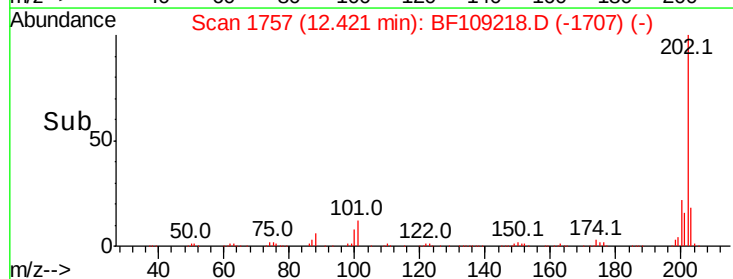
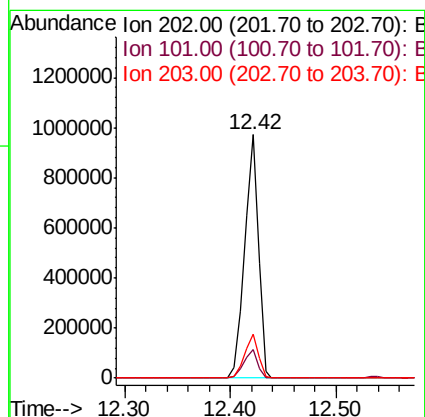
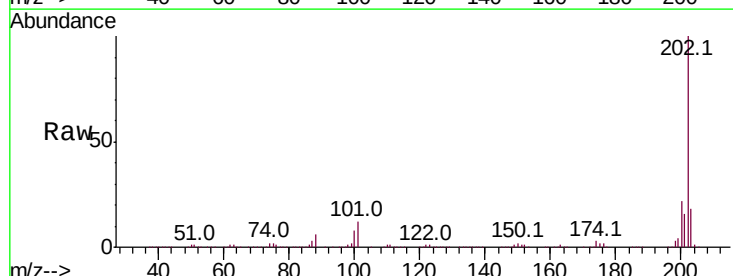
Instrument :
BNA_F
ClientSampled :

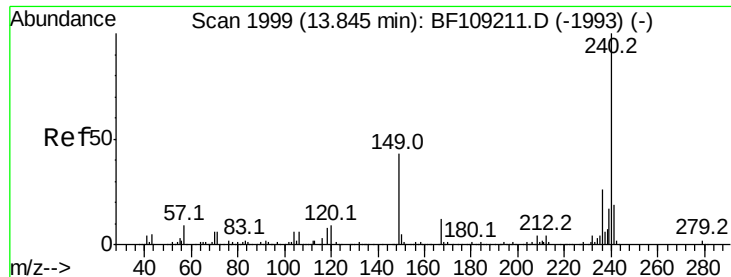
Tot Ion:149 Resp: 927092
Ion Ratio Lower Upper
149 100
150 9.5 7.8 11.6
104 5.1 3.8 5.8



#74
Fluoranthene
Concen: 40.593 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion:202 Resp: 857605
Ion Ratio Lower Upper
202 100
101 11.5 0.0 34.1
203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampleId :

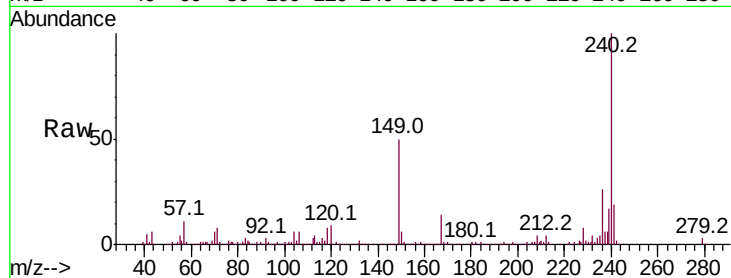
Tot Ion:240 Resp: 276929

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

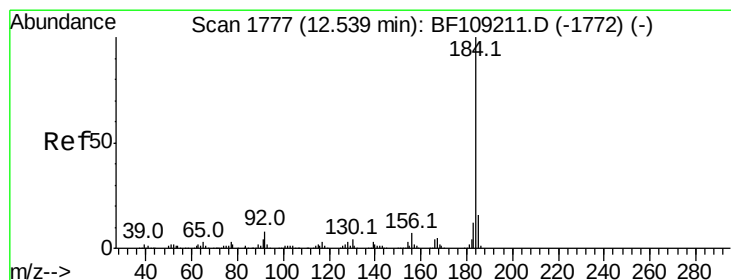
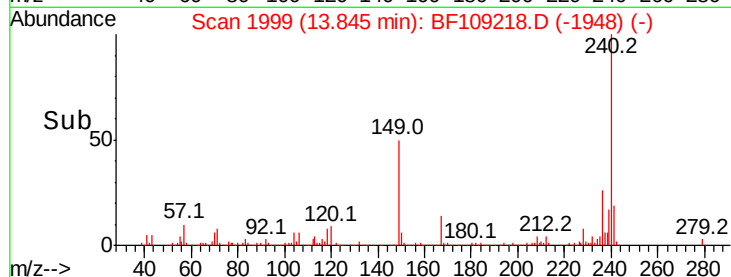
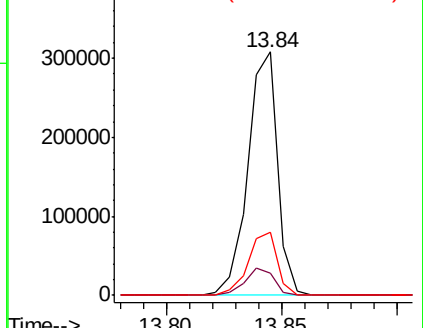
236 25.8 20.7 31.1



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: 44.531 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

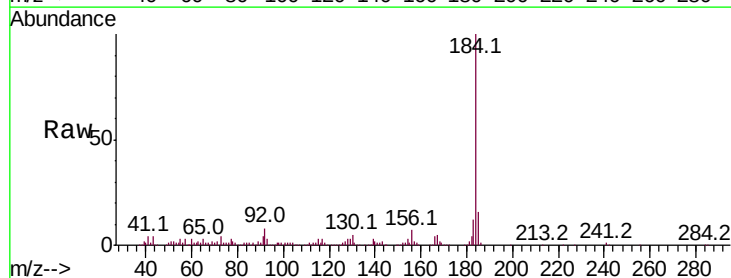
Tgt Ion:184 Resp: 444620

Ion Ratio Lower Upper

184 100

185 15.8 12.6 18.8

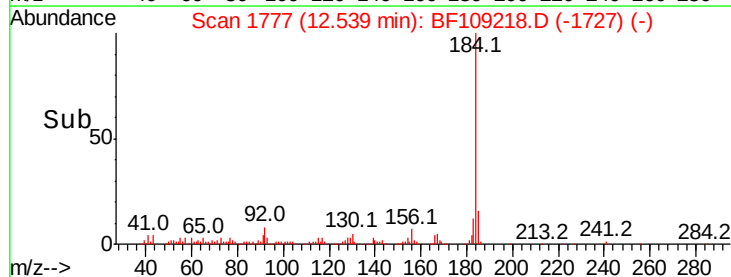
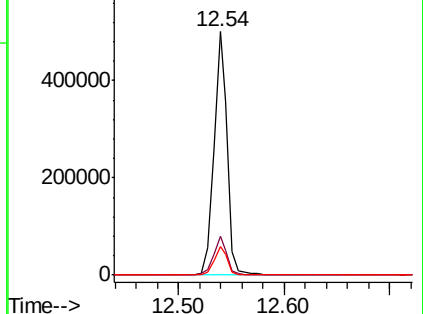
183 11.8 9.3 13.9

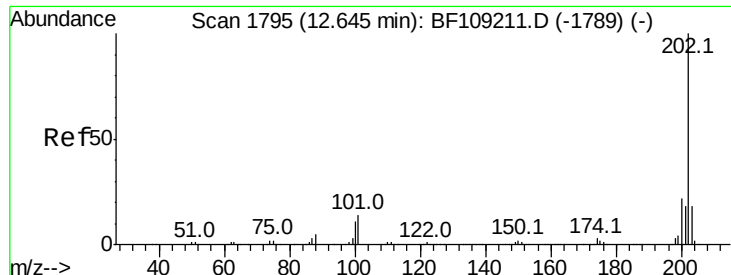


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

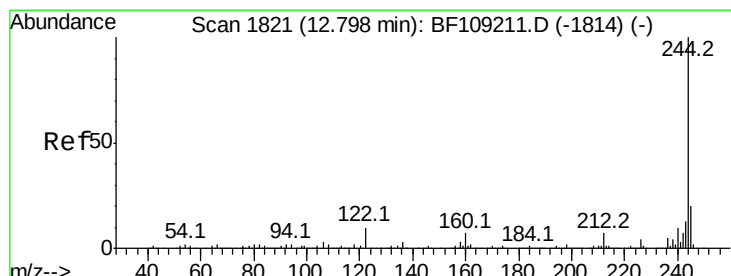
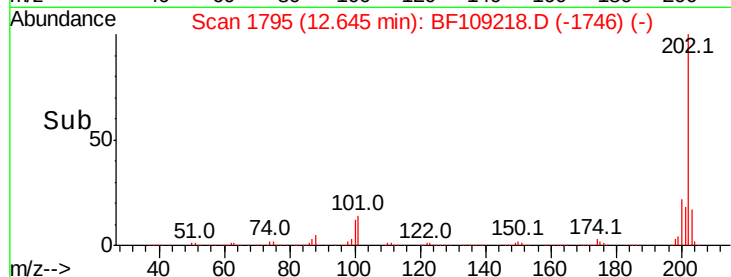
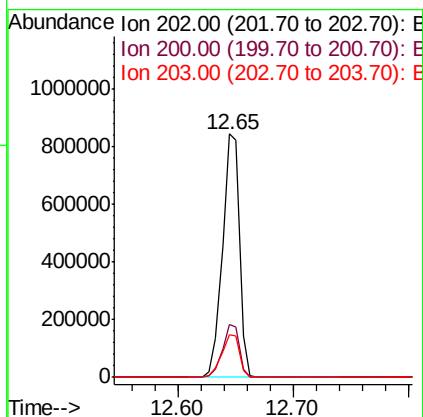
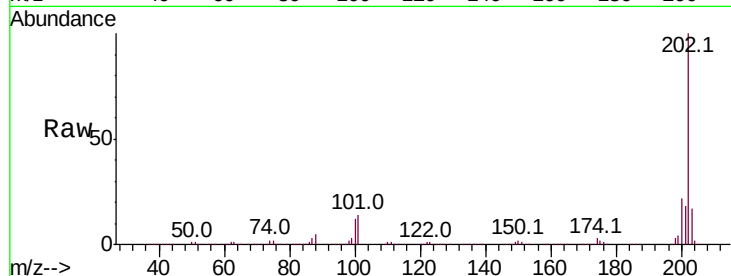




#77
 Pvrene
 Concen: 43.231 ng
 RT: 12.65 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

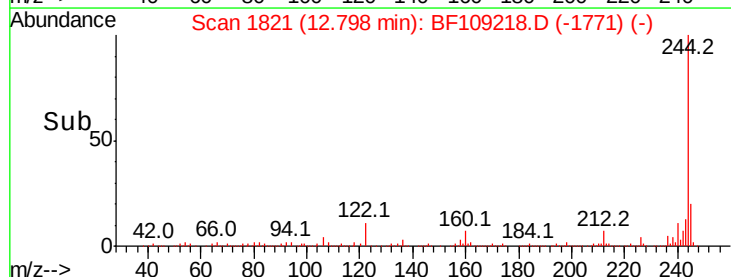
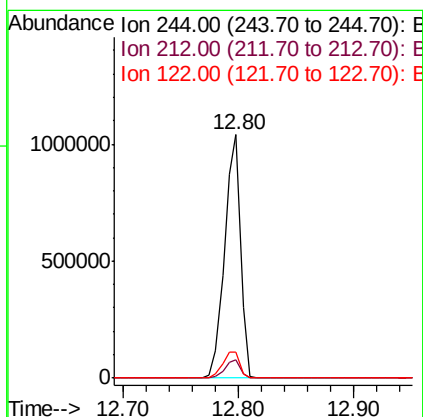
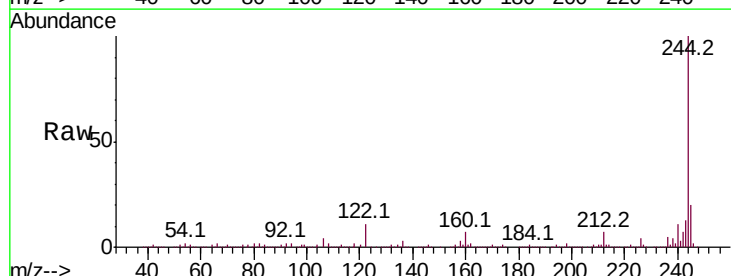
Instrument :
 BNA_F
 ClientSampleId :

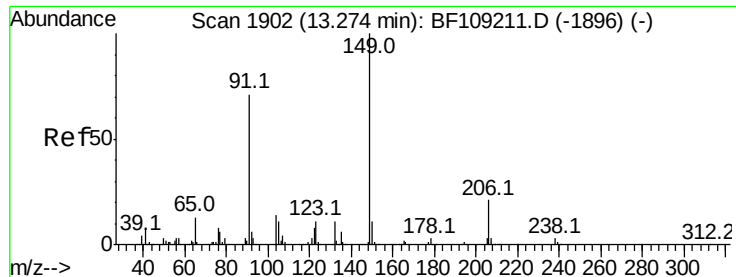
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.4	14.3	21.5



#78
 Terphenyl-d14
 Concen: 87.485 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	10.8	11.0	16.4

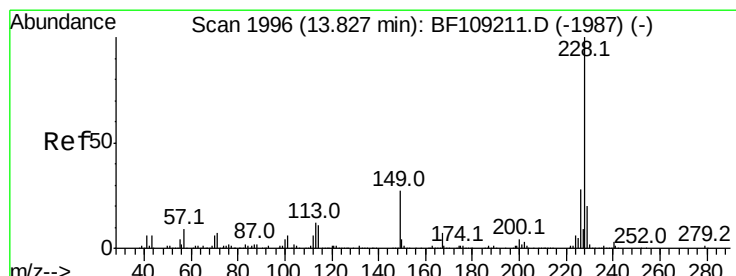
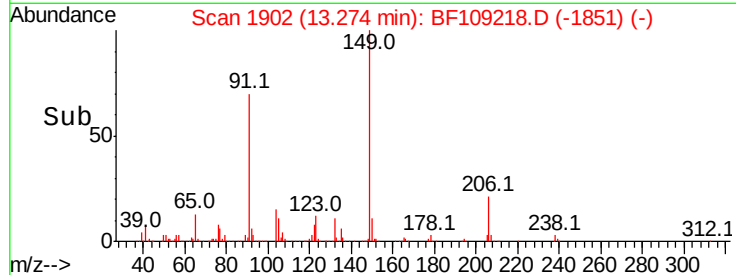
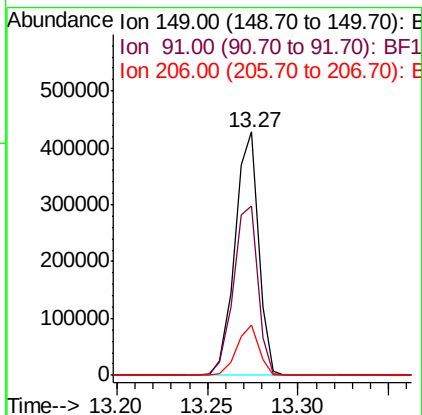
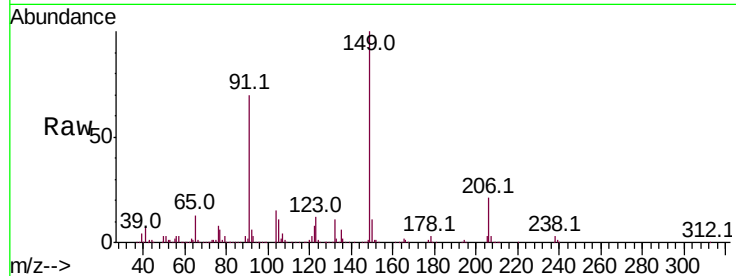




#79
Butylbenzylphthalate
Concen: 45.919 ng
RT: 13.27 min Scan# 1902
Delta R.T. 0.00 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

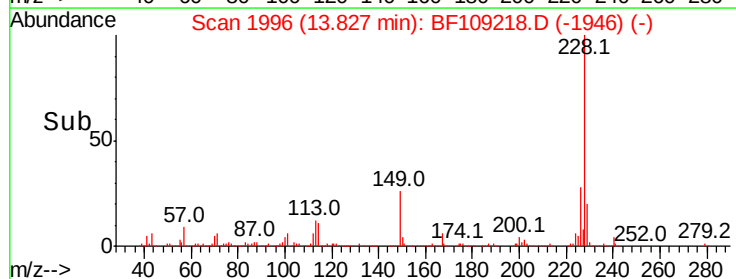
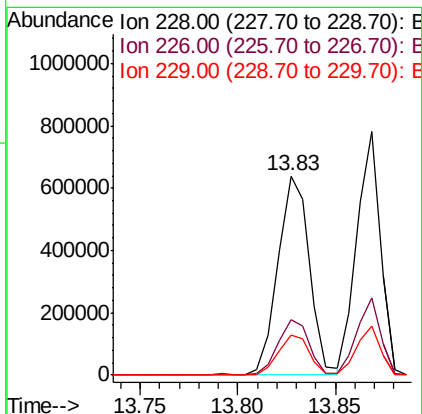
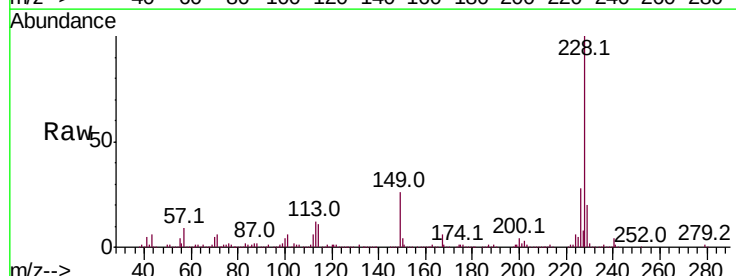
Instrument :
BNA_F
ClientSampled :

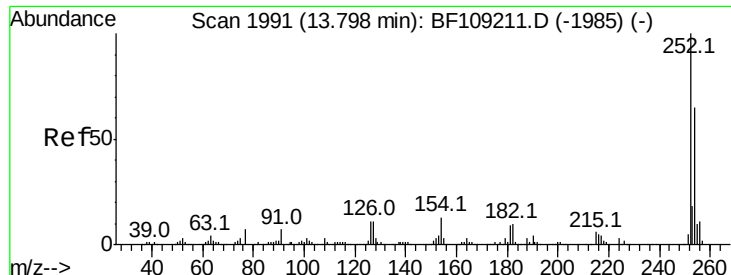
Tot Ion	Ratio	Lower	Upper
149	100		
91	69.8	56.8	85.2
206	20.7	14.1	21.1



#80
Benzo(a)anthracene
Concen: 42.796 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.5	15.8	23.6

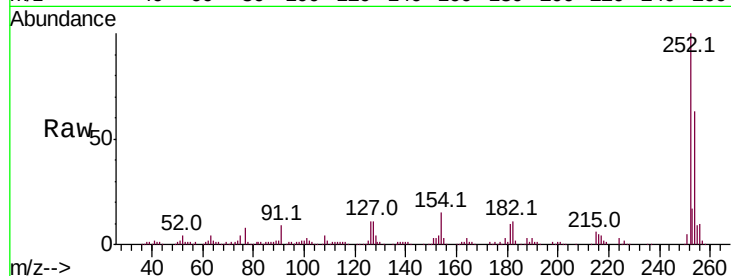




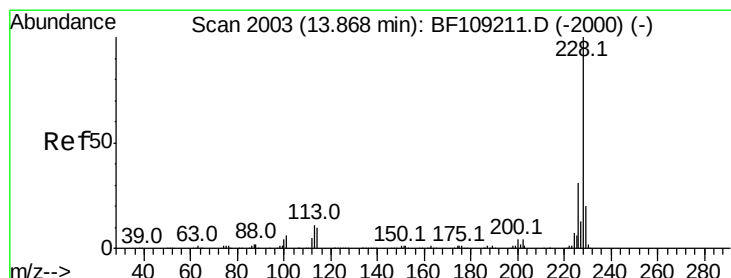
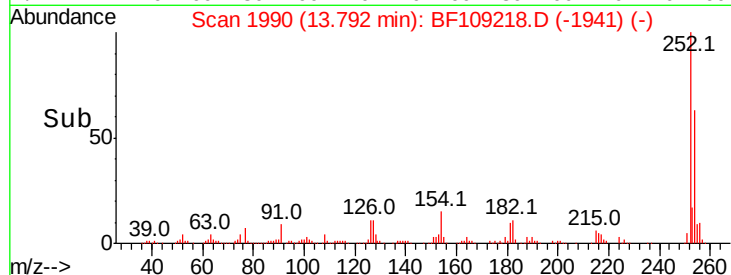
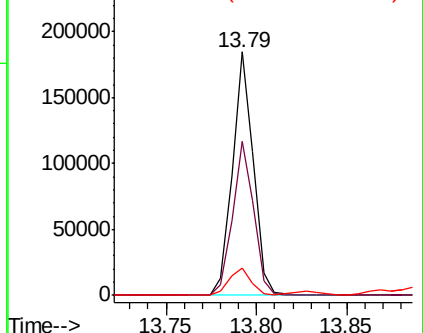
#81
 3,3'-Dichlorobenzidine
 Concen: 23.378 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.1	50.4	75.6
126	11.3	11.3	16.9

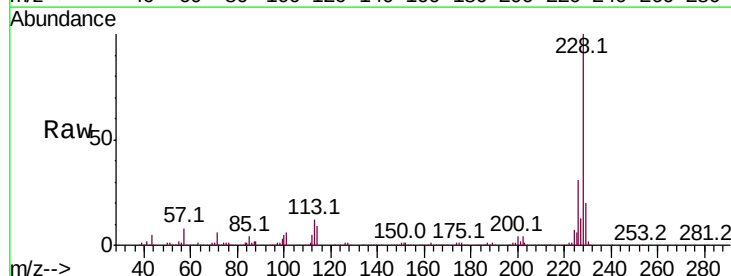


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

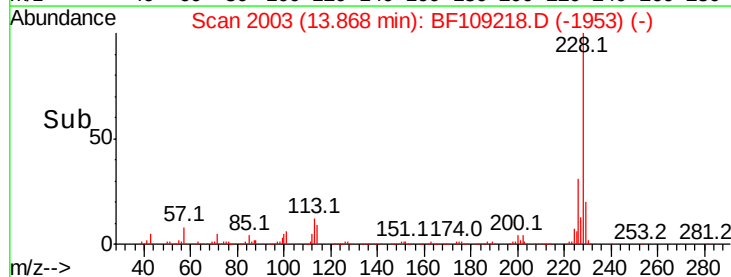
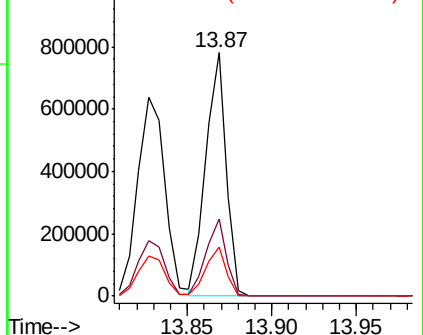


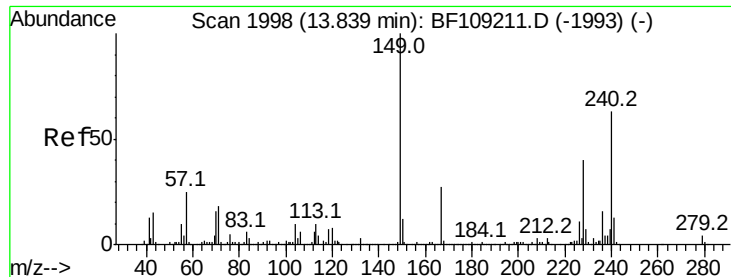
#82
 Chrysene
 Concen: 40.037 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	20.1	16.2	24.4



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.561 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.00 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampleId :

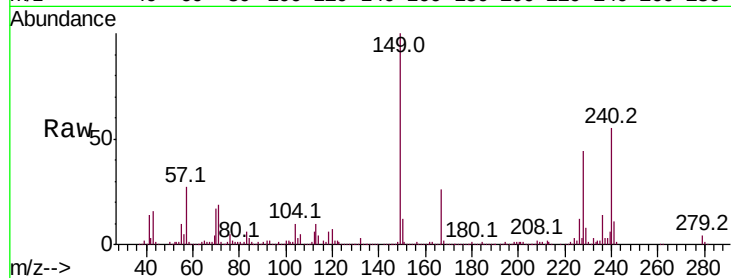
Tot Ion:149 Resp: 463882

Ion Ratio Lower Upper

149 100

167 26.2 21.3 31.9

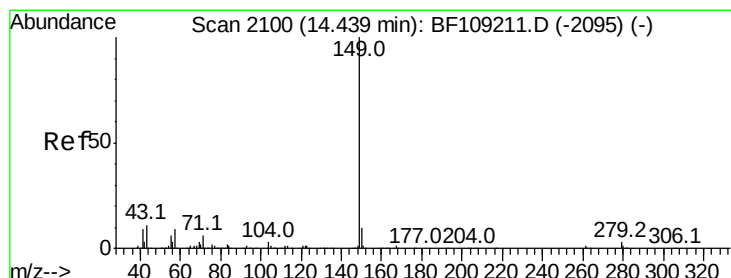
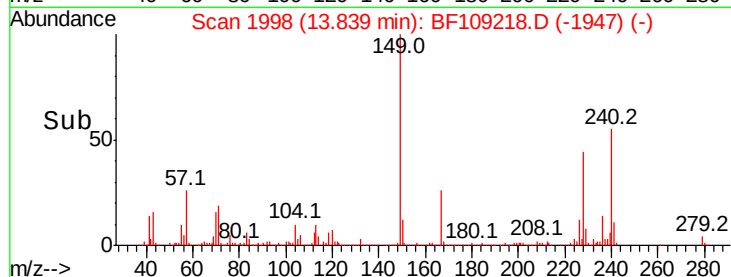
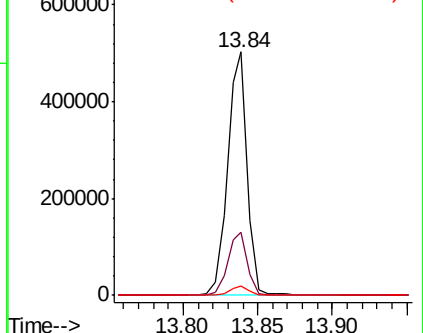
279 3.9 3.0 4.4



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: 40.288 ng

RT: 14.44 min Scan# 2101

Delta R.T. 0.00 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

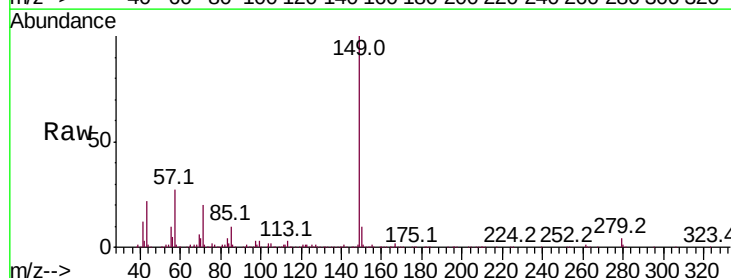
Tgt Ion:149 Resp: 733549

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

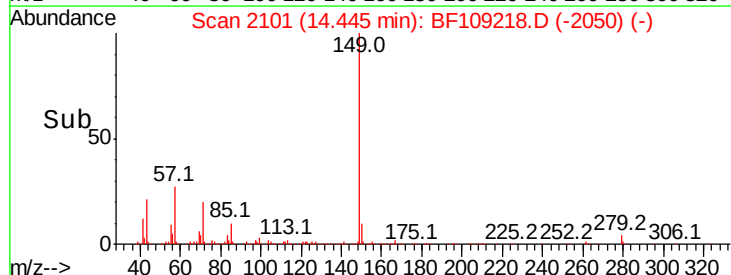
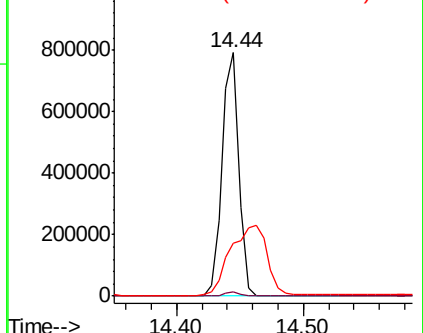
43 62.5 8.4 12.6#

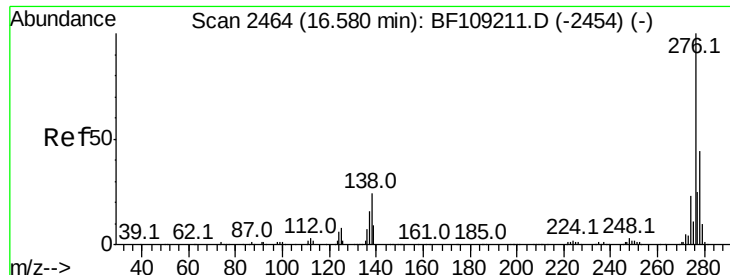


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

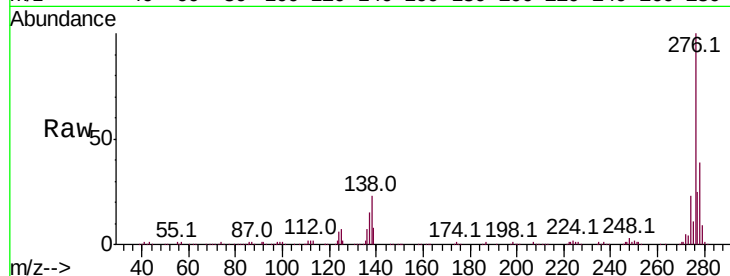




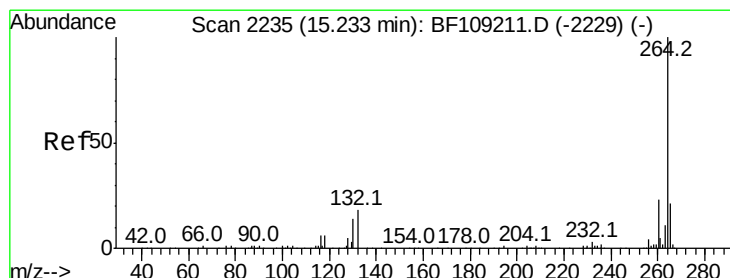
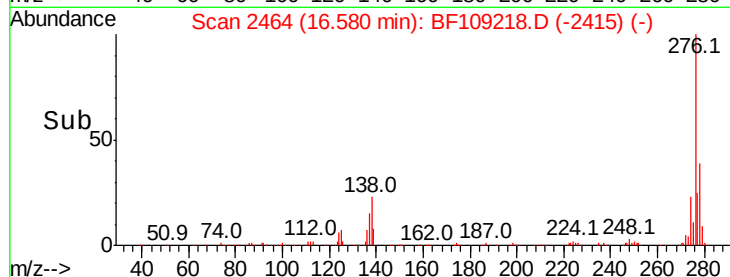
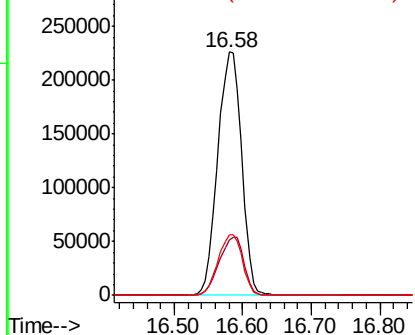
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 40.809 ng
 RT: 16.58 min Scan# 2464
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.6	25.0	37.6#
277	25.2	20.1	30.1

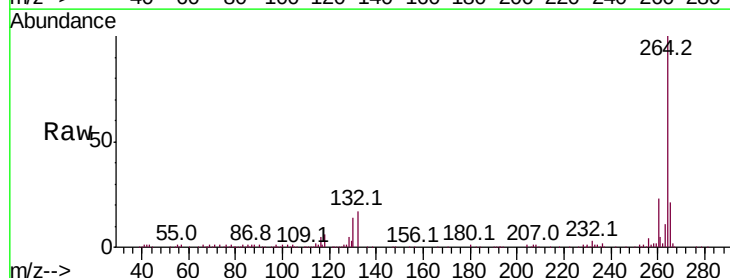


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

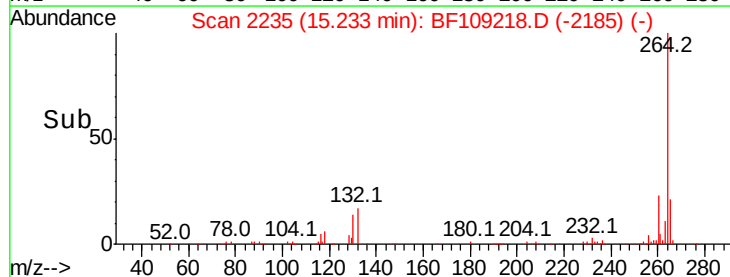
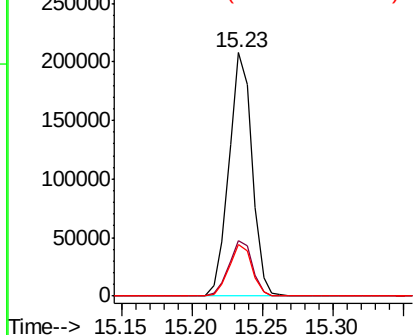


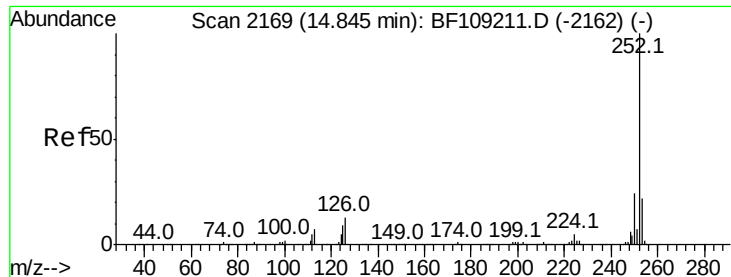
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF109218.D
 Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.3	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

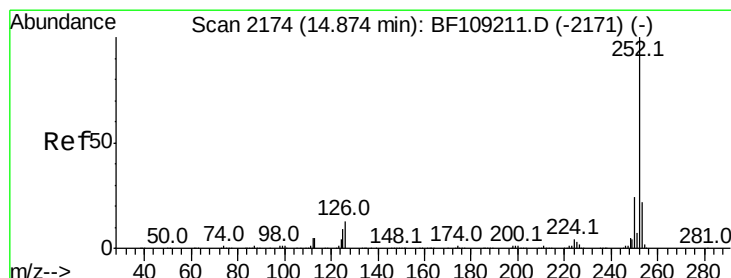
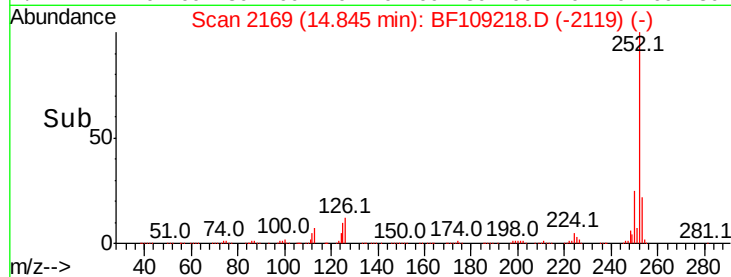
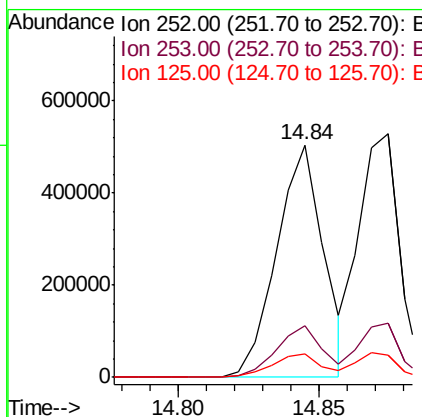
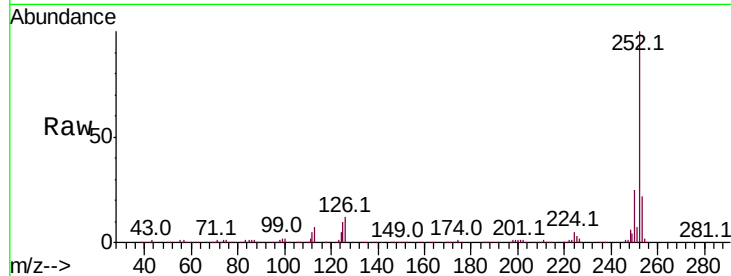




#87
Benzo(b)fluoranthene
Concen: 44.703 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

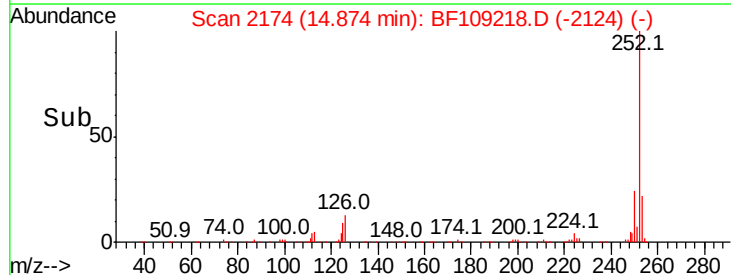
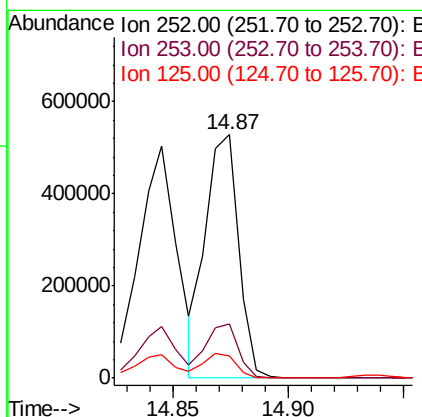
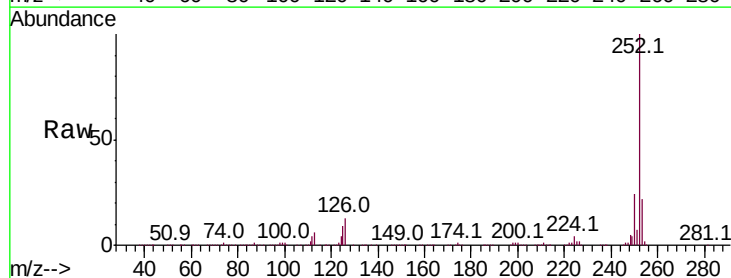
Instrument :
BNA_F
ClientSampleId :

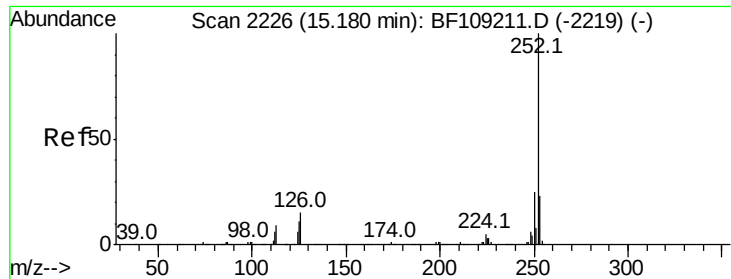
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	9.8	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 42.343 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	9.1	10.2	15.2#

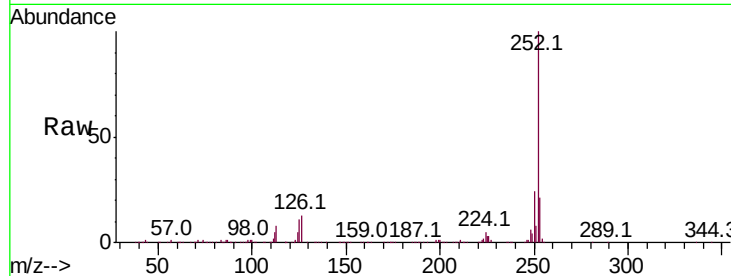




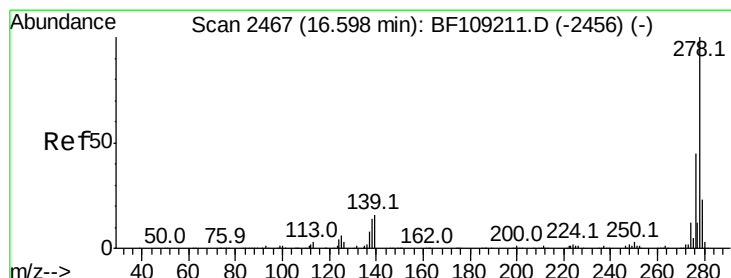
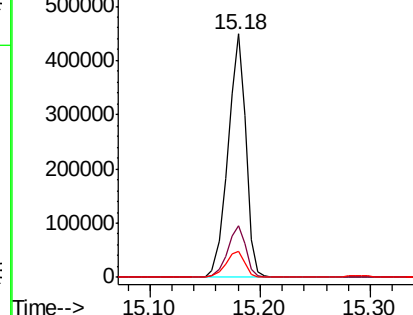
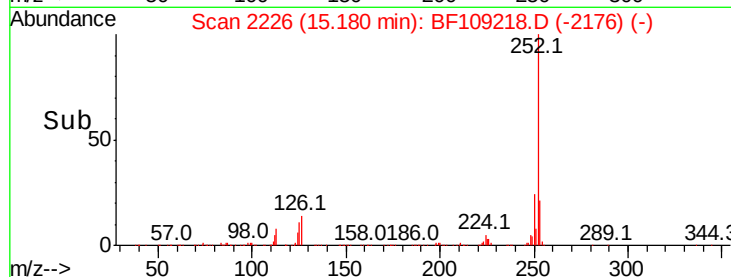
#89
Benzo(a)pyrene
Concen: 43.460 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	10.7	9.8	14.6

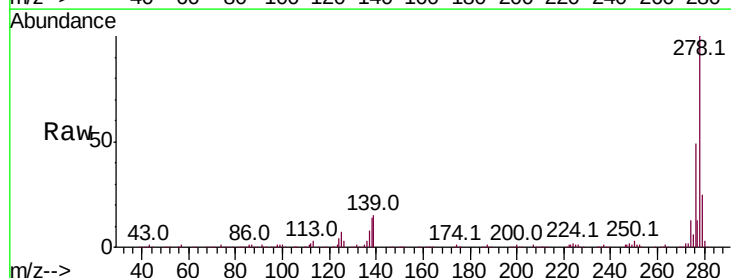


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

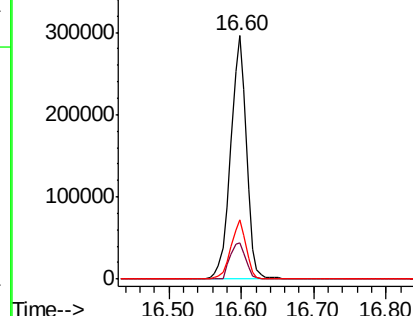
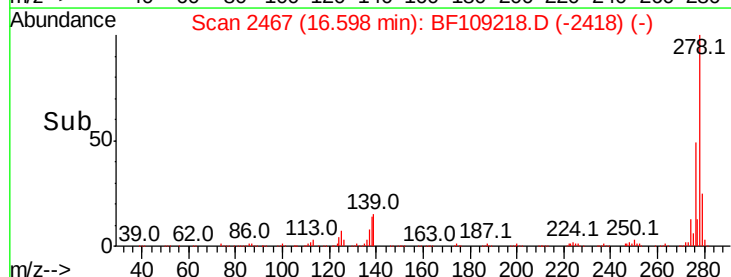


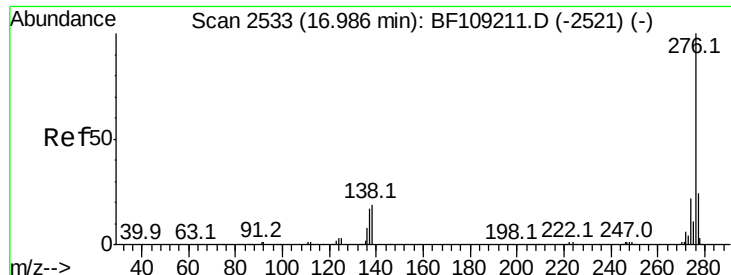
#90
Dibenzo(a,h)anthracene
Concen: 46.798 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF109218.D
Acq: 22 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.1	15.9	23.9#
279	24.5	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: 50.341 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF109218.D

Acq: 22 Sep 2018 13:55

Instrument :

BNA_F

ClientSampleId :

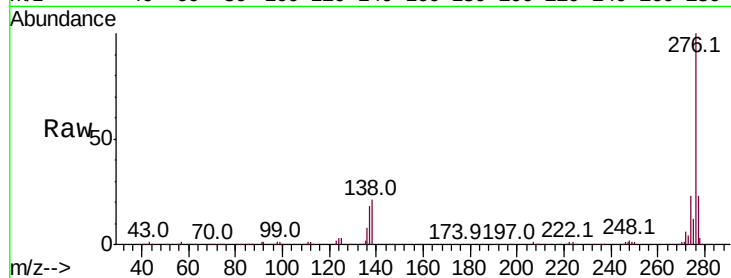
Tot Ion:276 Resp: 475535

Ion Ratio Lower Upper

276 100

277 23.0 17.9 26.9

138 20.7 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

