

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF110317\
 Data File : BF100167.D
 Acq On : 4 Nov 2017 7:07
 Operator : SJ/JU
 Sample : I6143-04MS
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

Quant Time: Nov 04 11:49:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.769	152	94801	20.00	ng	0.00
21) Naphthalene-d8	8.051	136	386355	20.00	ng	0.00
38) Acenaphthene-d10	9.810	164	164104	20.00	ng	0.00
63) Phenanthrene-d10	11.298	188	255042	20.00	ng	0.00
75) Chrysene-d12	13.951	240	150631	20.00	ng	0.00
86) Perylene-d12	15.415	264	151971	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.398	112	454133	75.21	ng	0.00
7) Phenol-d6	6.422	99	352321	49.21	ng	0.00
23) Nitrobenzene-d5	7.351	82	556783	92.78	ng	0.00
41) 2,4,6-Tribromophenol	10.610	330	183305	122.57	ng	0.00
44) 2-Fluorobiphenyl	9.127	172	1073676	100.94	ng	0.00
78) Terphenyl-d14	12.880	244	690051	100.11	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.528	88	47237	17.71	ng	# 87
3) Pyridine	3.351	79	70010	10.92	ng	87
4) n-Nitrosodimethylamine	3.263	42	37224	16.25	ng	# 71
6) Aniline	6.445	93	161144	17.36	ng	93
8) 2-Chlorophenol	6.563	128	245215	38.10	ng	92
9) Benzaldehyde	6.334	77	127840	29.88	ng	89
10) Phenol	6.434	94	135323	17.21	ng	97
11) bis(2-Chloroethyl)ether	6.510	93	256973	42.33	ng	92
12) 1,3-Dichlorobenzene	6.786	146	306104	42.36	ng	96
13) 1,4-Dichlorobenzene	6.786	146	306104	41.74	ng	96
14) 1,2-Dichlorobenzene	6.939	146	277845	41.57	ng	97
15) Benzyl Alcohol	6.928	79	132309	29.06	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.039	45	323404	47.96	ng	55
17) 2-Methylphenol	7.045	107	165559	30.75	ng	# 85
18) Hexachloroethane	7.269	117	94927	38.80	ng	96
19) n-Nitroso-di-n-propyla...	7.192	70	178235	42.48	ng	# 89
20) 3+4-Methylphenols	7.204	107	201445	32.14	ng	97
22) Acetophenone	7.186	105	377566	42.92	ng	# 91
24) Nitrobenzene	7.363	77	264426	43.73	ng	94
25) Isophorone	7.598	82	504048	46.29	ng	96
26) 2-Nitrophenol	7.681	139	156092	45.07	ng	# 81
27) 2,4-Dimethylphenol	7.716	122	211978	41.54	ng	95
28) bis(2-Chloroethoxy)met...	7.804	93	333822	43.77	ng	99
29) 2,4-Dichlorophenol	7.928	162	235350	44.40	ng	97
30) 1,2,4-Trichlorobenzene	7.998	180	240167	42.40	ng	99
31) Naphthalene	8.075	128	790439	42.38	ng	99
32) Benzoic acid	7.857	122	34531	7.69	ng	92
33) 4-Chloroaniline	8.139	127	123654	16.06	ng	95
34) Hexachlorobutadiene	8.181	225	120785	41.46	ng	98
35) Caprolactam	8.528	113	13472	8.08	ng	# 76
36) 4-Chloro-3-methylphenol	8.628	107	211320	39.06	ng	92
37) 2-Methylnaphthalene	8.769	142	548549	43.89	ng	98
39) 1,2,4,5-Tetrachloroben...	8.933	216	224918	42.44	ng	# 97
40) Hexachlorocyclopentadiene	8.904	237	8222	18.86	ng	95

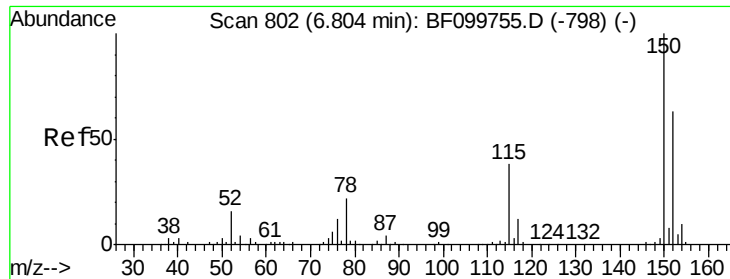
Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF110317\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.057	196	145482	45.38	nq	97
43) 2,4,5-Trichlorophenol	9.110	196	143379	42.14	nq #	90
45) 1,1'-Biphenyl	9.227	154	635489	42.81	nq	98
46) 2-Chloronaphthalene	9.257	162	488113	45.27	nq	97
47) 2-Nitroaniline	9.369	65	126167	44.59	nq	87
48) Acenaphthylene	9.675	152	708426	42.66	nq	99
49) Dimethylphthalate	9.533	163	570688	43.91	nq	100
50) 2,6-Dinitrotoluene	9.616	165	125937	46.10	nq #	74
51) Acenaphthene	9.845	154	428386	42.22	nq	99
52) 3-Nitroaniline	9.786	138	78426	24.36	nq	92
53) 2,4-Dinitrophenol	9.922	184	36518	37.18	nq #	87
54) Dibenzofuran	10.016	168	646643	45.15	nq	99
55) 4-Nitrophenol	10.016	139	280700	166.89	nq #	12
56) 2,4-Dinitrotoluene	10.027	165	160502	48.78	nq #	79
57) Fluorene	10.363	166	506346	42.70	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.145	232	105216	44.11	nq	91
59) Diethylphthalate	10.227	149	544628	42.91	nq	98
60) 4-Chlorophenyl-phenyle...	10.345	204	236243	42.33	nq	94
61) 4-Nitroaniline	10.410	138	110315	35.92	nq	83
62) Azobenzene	10.510	77	444415	41.77	nq	87
64) 4,6-Dinitro-2-methylph...	10.445	198	33229	20.73	nq	81
65) n-Nitrosodiphenylamine	10.469	169	450177	47.82	nq	99
66) 4-Bromophenyl-phenylether	10.833	248	134968	50.27	nq	93
67) Hexachlorobenzene	10.910	284	127856	46.55	nq	95
68) Atrazine	11.004	200	138602	49.01	nq	98
69) Pentachlorophenol	11.116	266	84897	72.33	nq	97
70) Phenanthrene	11.327	178	640868	44.53	nq	99
71) Anthracene	11.380	178	656264	44.92	nq	99
72) Carbazole	11.539	167	583641	42.48	nq	99
73) Di-n-butylphthalate	11.851	149	791938	45.19	nq #	97
74) Fluoranthene	12.516	202	553979	37.04	nq	99
76) Benzidine	12.651	184	36432	5.53	nq	97
77) Pyrene	12.751	202	543206	47.43	nq	99
79) Butylbenzylphthalate	13.345	149	254853	45.18	nq	93
80) Benzo(a)anthracene	13.945	228	421563	44.15	nq	99
81) 3,3'-Dichlorobenzidine	13.898	252	91330	26.35	nq	100
82) Chrysene	13.980	228	405202	45.14	nq	97
83) Bis(2-ethylhexyl)phtha...	13.898	149	334400	42.22	nq	98
84) Di-n-octyl phthalate	14.509	149	551520	40.57	nq #	92
85) Indeno(1,2,3-cd)pyrene	16.886	276	371876	45.12	nq	97
87) Benzo(b)fluoranthene	14.992	252	427247	44.52	nq	97
88) Benzo(k)fluoranthene	15.015	252	417795	46.17	nq	99
89) Benzo(a)pyrene	15.357	252	405972	47.10	nq	97
90) Dibenzo(a,h)anthracene	16.880	278	320911	41.90	nq	97
91) Benzo(g,h,i)perylene	17.327	276	302169	40.32	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.769 min Scan# 79

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

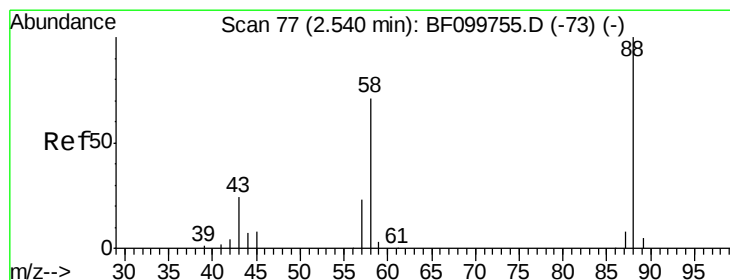
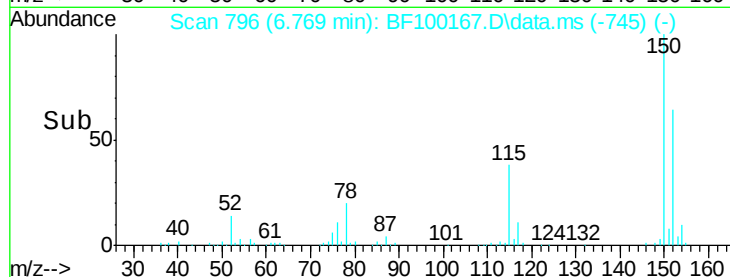
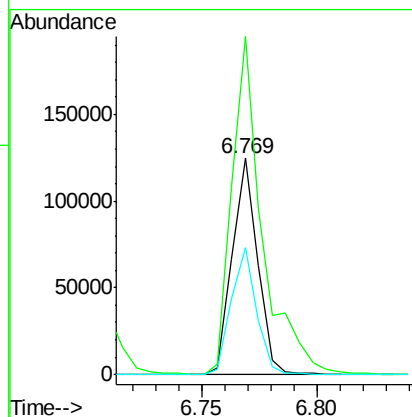
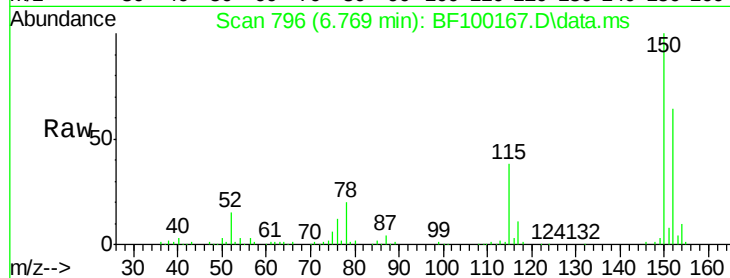
Tot Ion:152 Resp: 94801

Ion Ratio Lower Upper

152 100

150 156.3 124.6 186.8

115 58.7 50.1 75.1



#2

1,4-Dioxane

Concen: 17.71 ng

RT: 2.528 min Scan# 75

Delta R.T. 0.059 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

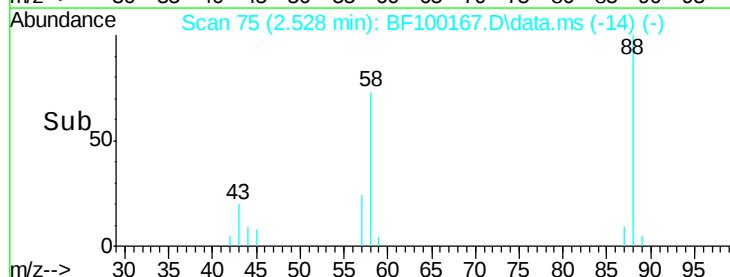
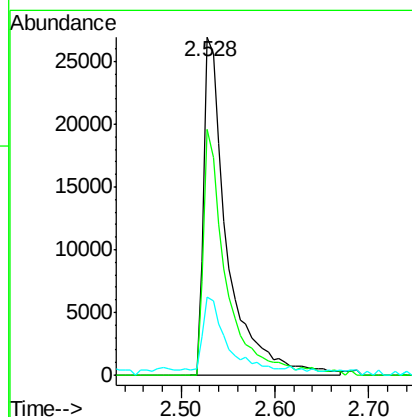
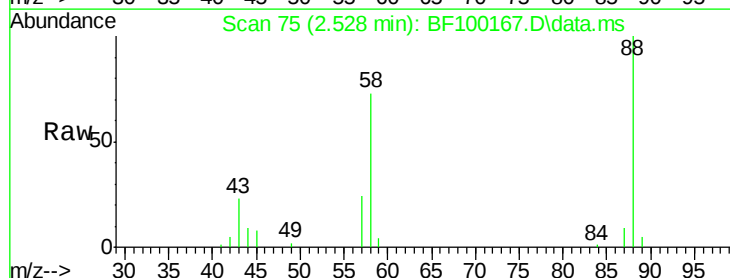
Tgt Ion: 88 Resp: 47237

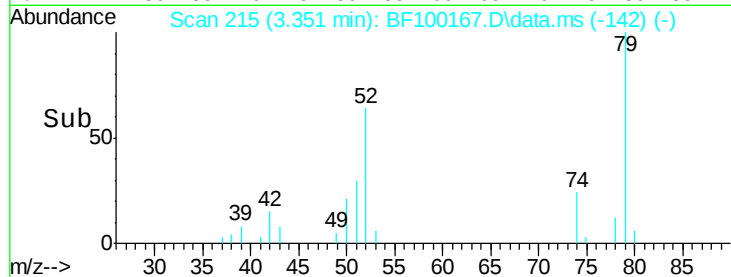
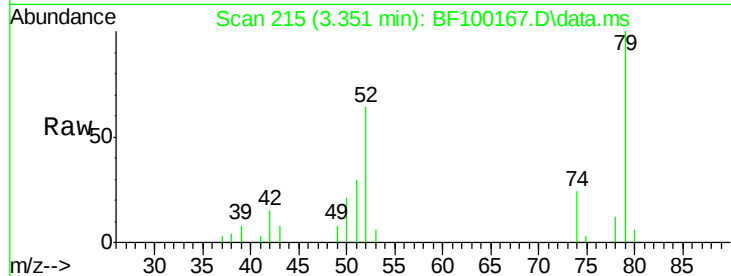
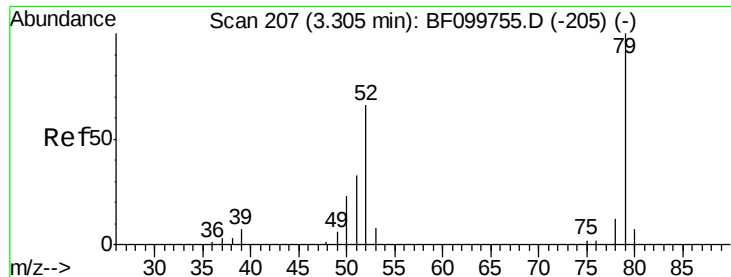
Ion Ratio Lower Upper

88 100

58 68.6 62.6 93.8

43 21.6 24.6 37.0#

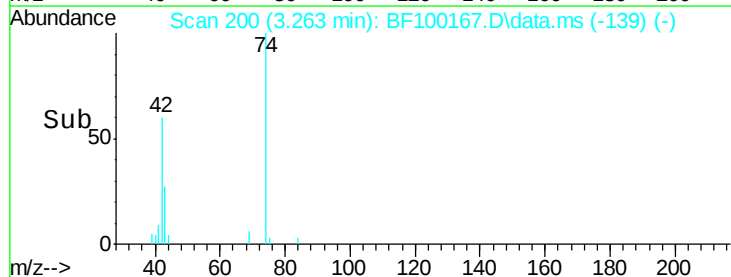
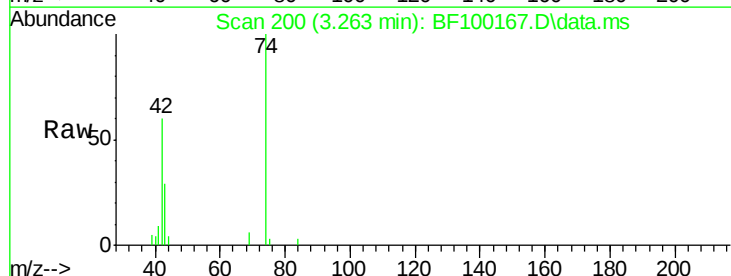
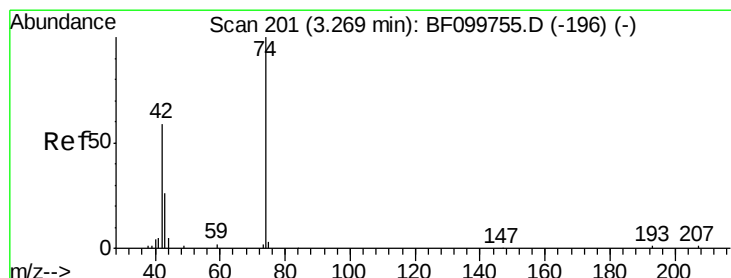
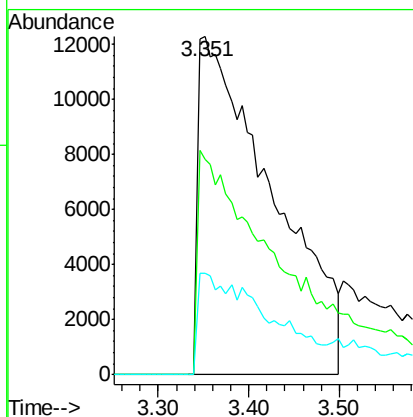




#3
 Pvridine
 Concen: 10.92 ng
 RT: 3.351 min Scan# 21
 Delta R.T. 0.129 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

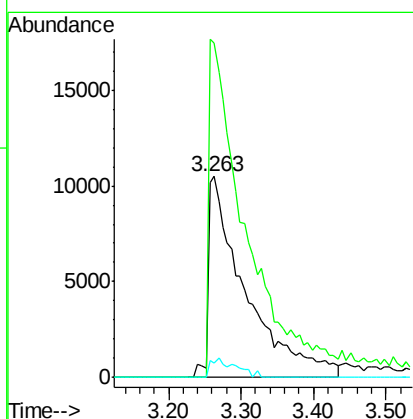
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

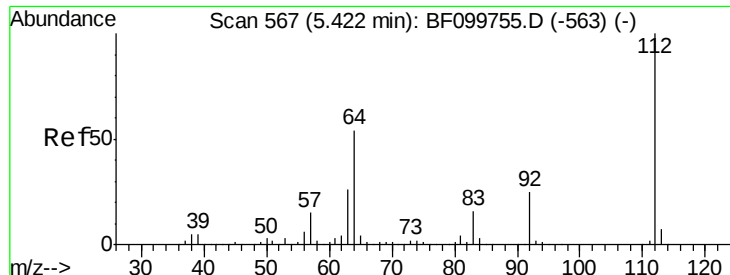
Tot Ion: 79 Resp: 70010
 Ion Ratio Lower Upper
 79 100
 52 63.6 59.8 89.6
 51 30.0 29.8 44.8



#4
 n-Nitrosodimethylamine
 Concen: 16.25 ng
 RT: 3.263 min Scan# 200
 Delta R.T. 0.059 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion: 42 Resp: 37224
 Ion Ratio Lower Upper
 42 100
 74 166.5 104.9 157.3#
 44 7.0 6.9 10.3





#5

2-Fluorophenol

Concen: 75.21 ng

RT: 5.398 min Scan# 567

Delta R.T. 0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

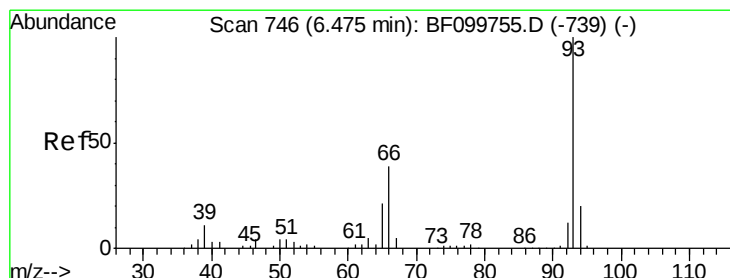
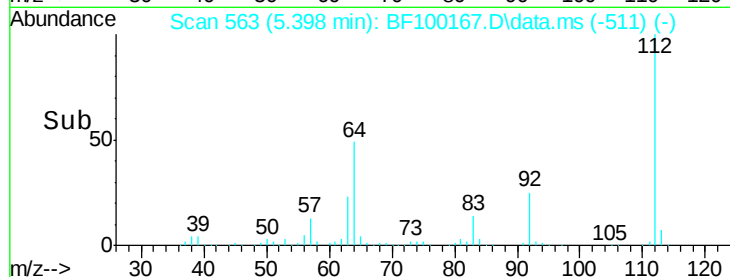
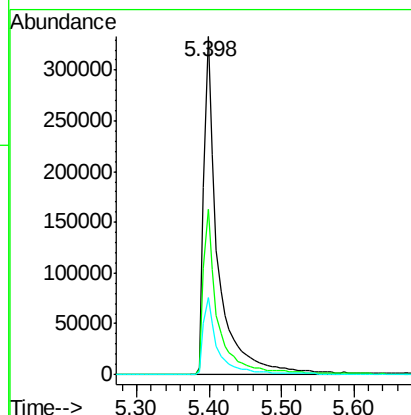
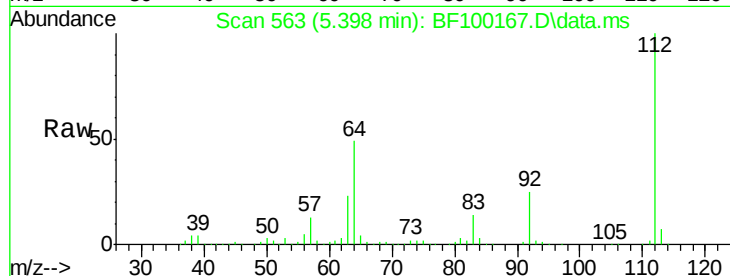
Tot Ion:112 Resp: 454133

Ion Ratio Lower Upper

112 100

64 49.1 47.9 71.9

63 22.9 23.7 35.5#



#6

Aniline

Concen: 17.36 ng

RT: 6.445 min Scan# 741

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

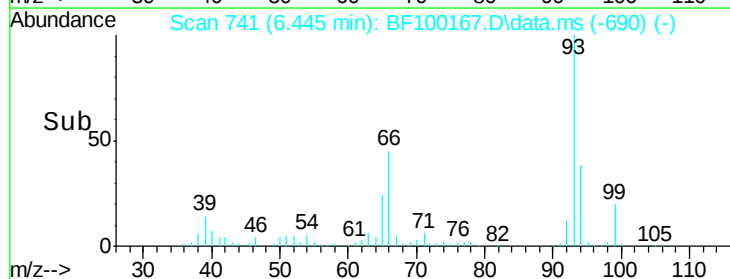
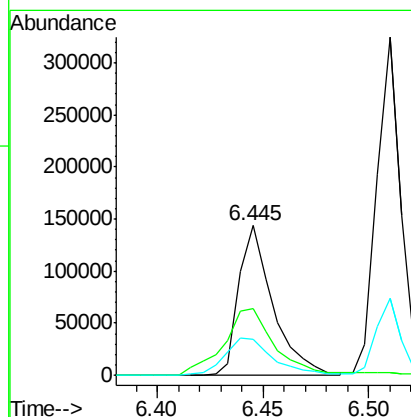
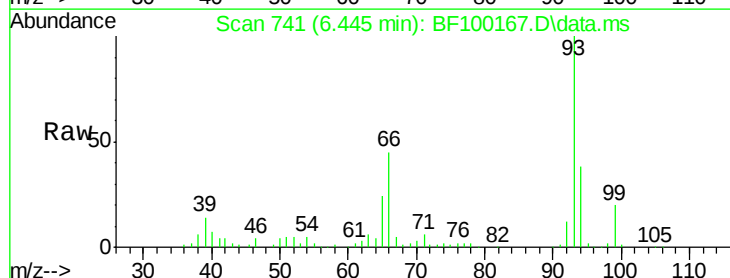
Tgt Ion: 93 Resp: 161144

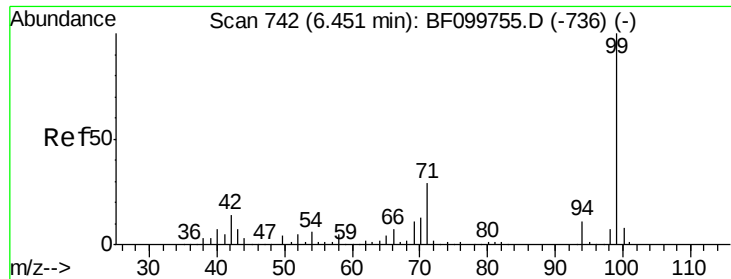
Ion Ratio Lower Upper

93 100

66 44.5 32.2 48.2

65 23.9 16.4 24.6





#7

Phenol-d6

Concen: 49.21 ng

RT: 6.422 min Scan# 73

Delta R.T. -0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

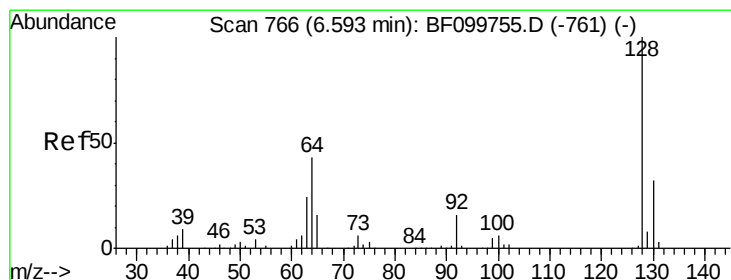
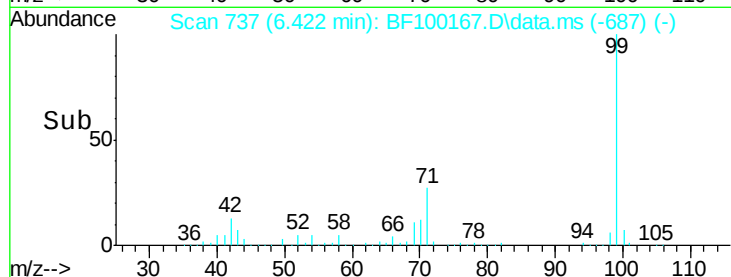
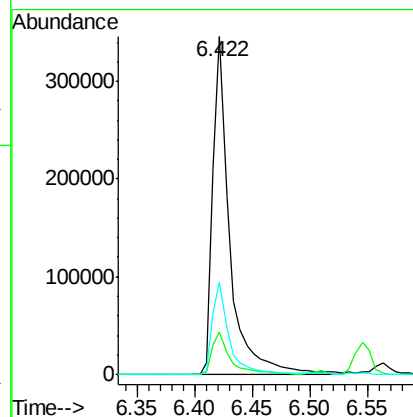
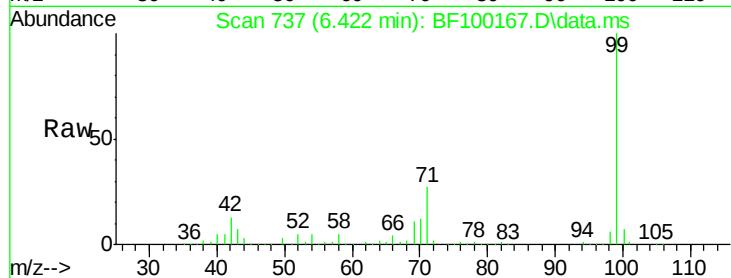
Tot Ion: 99 Resp: 352321

Ion Ratio Lower Upper

99 100

42 12.7 14.5 21.7#

71 27.3 25.4 38.0



#8

2-Chlorophenol

Concen: 38.10 ng

RT: 6.563 min Scan# 761

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

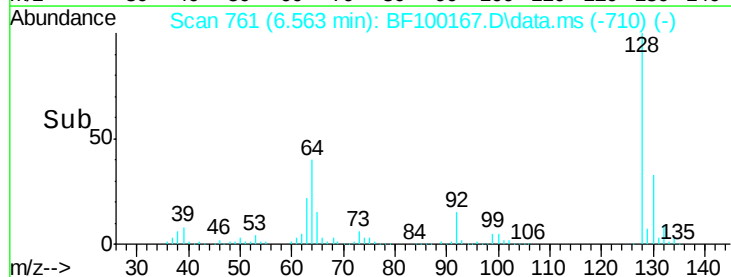
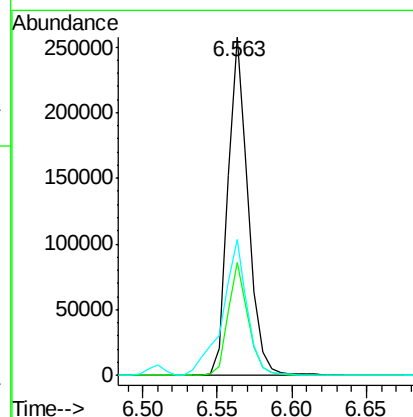
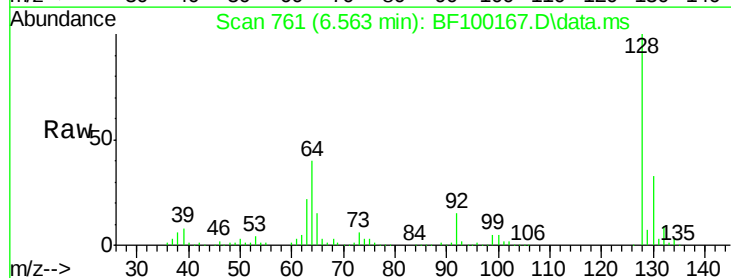
Tgt Ion: 128 Resp: 245215

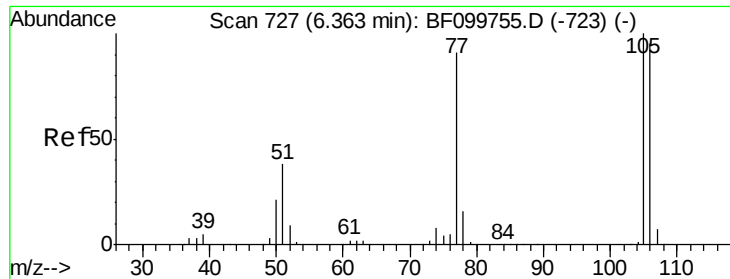
Ion Ratio Lower Upper

128 100

130 33.4 13.0 53.0

64 40.1 29.4 69.4





#9

Benzaldehyde

Concen: 29.88 ng

RT: 6.334 min Scan# 72

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

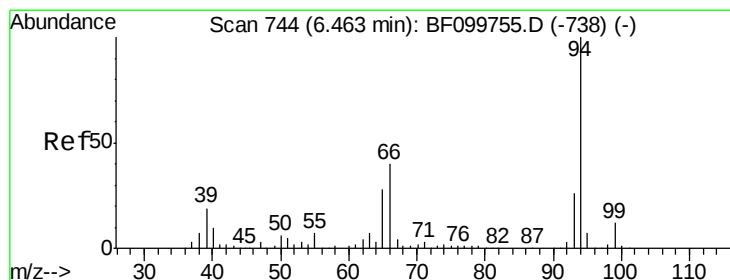
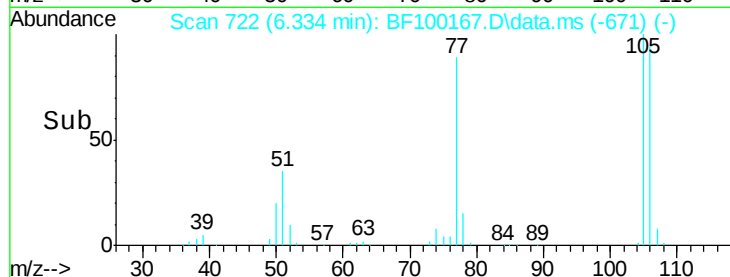
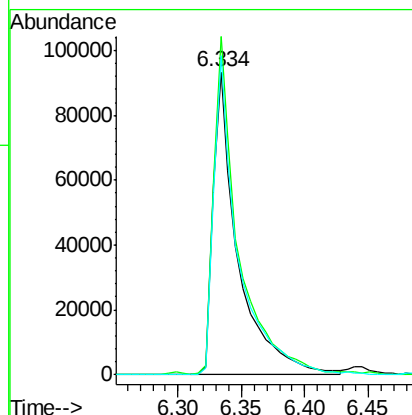
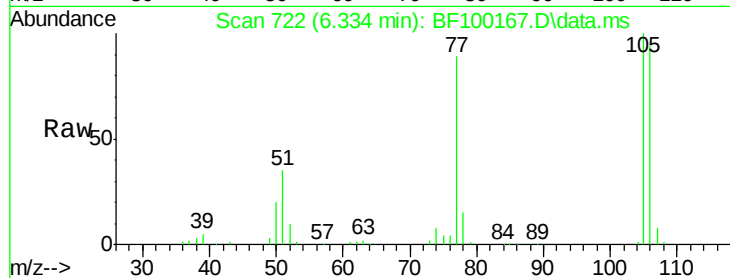
Tot Ion: 77 Resp: 127840

Ion Ratio Lower Upper

77 100

105 111.8 81.1 121.1

106 105.6 74.5 114.5



#10

Phenol

Concen: 17.21 ng

RT: 6.434 min Scan# 739

Delta R.T. -0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

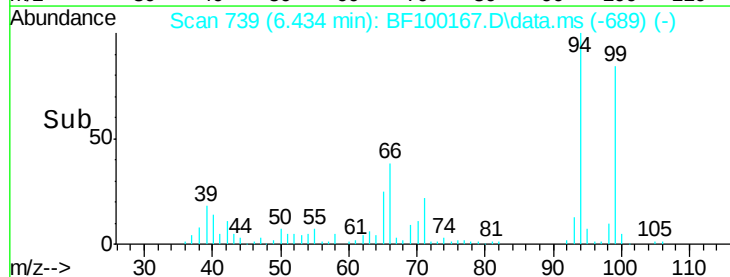
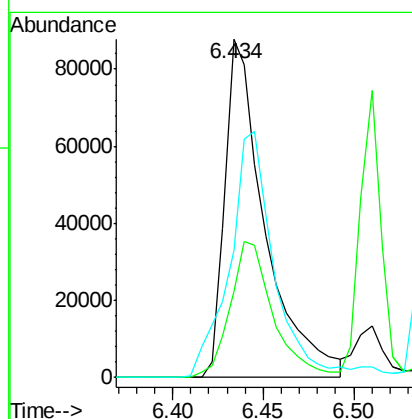
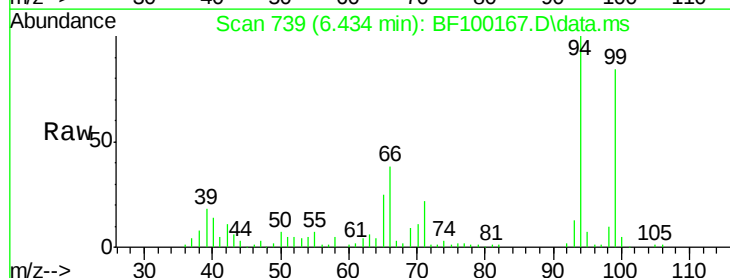
Tgt Ion: 94 Resp: 135323

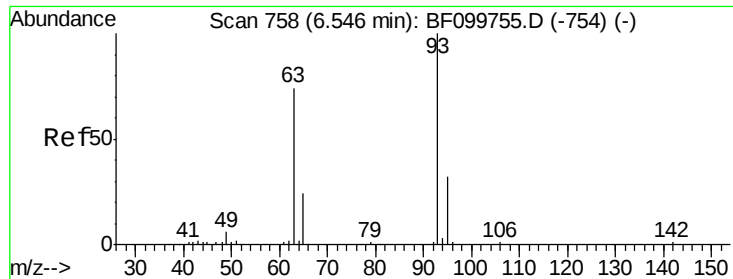
Ion Ratio Lower Upper

94 100

65 25.4 7.9 47.9

66 37.5 16.2 56.2

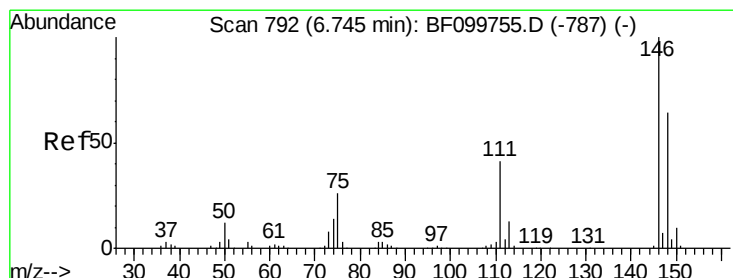
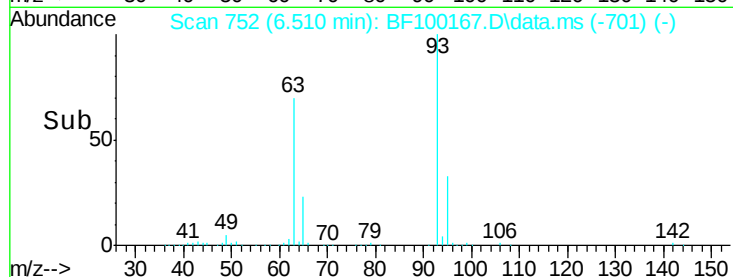
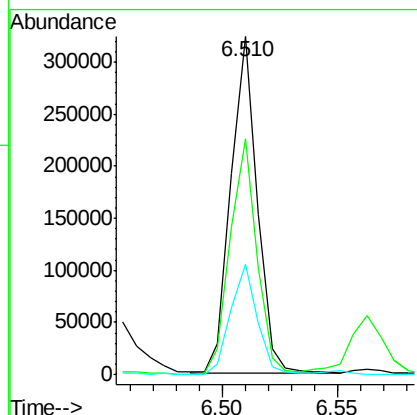
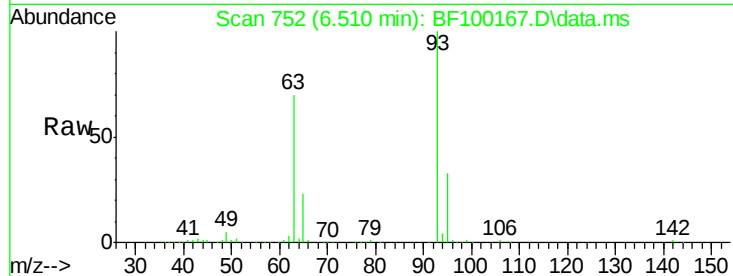




#11
bis(2-Chloroethyl)ether
Concen: 42.33 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

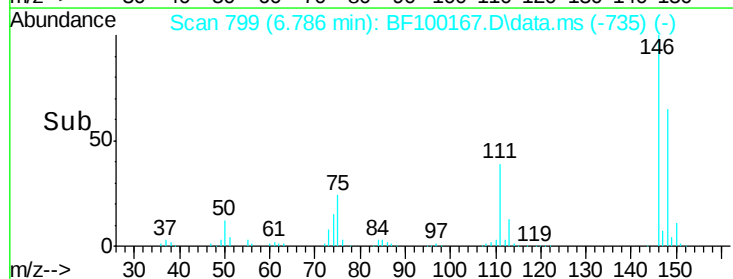
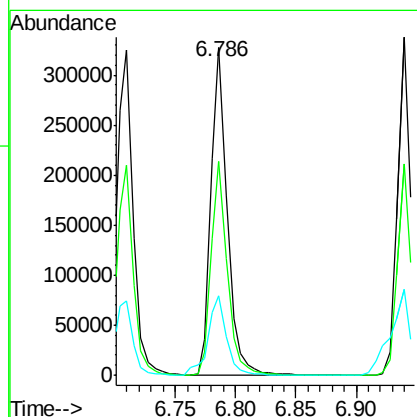
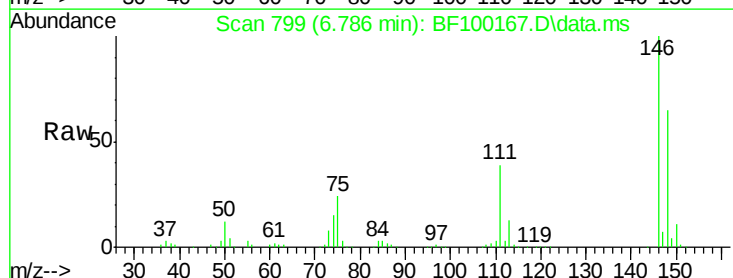
Instrument :
BNA_F
ClientSampleId :
RLF-GW-9SMS

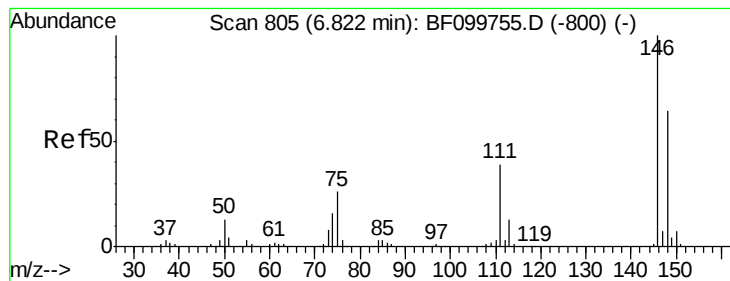
Tot Ion: 93 Resp: 256973
Ion Ratio Lower Upper
93 100
63 69.9 58.6 98.6
95 32.7 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 42.36 ng
RT: 6.786 min Scan# 799
Delta R.T. 0.076 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

Tgt Ion: 146 Resp: 306104
Ion Ratio Lower Upper
146 100
148 65.3 51.8 77.8
75 24.3 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 41.74 ng

RT: 6.786 min Scan# 79

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

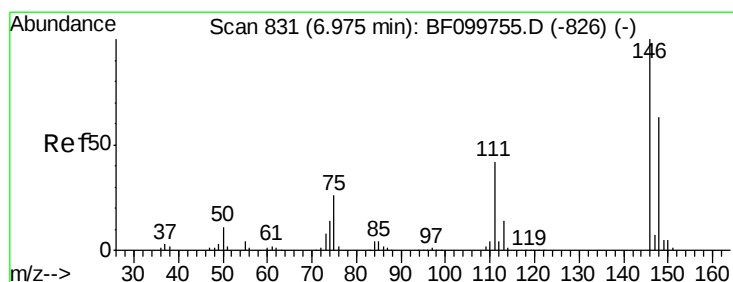
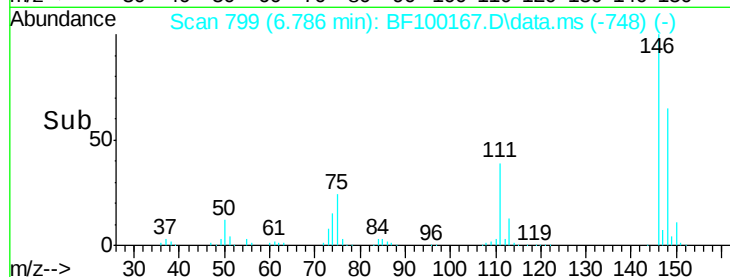
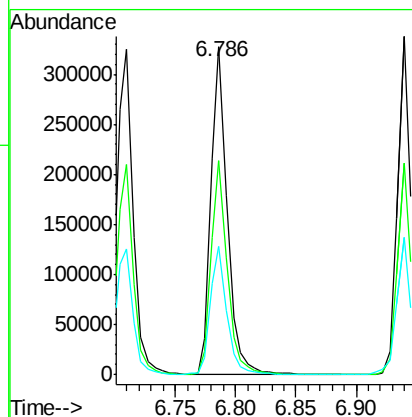
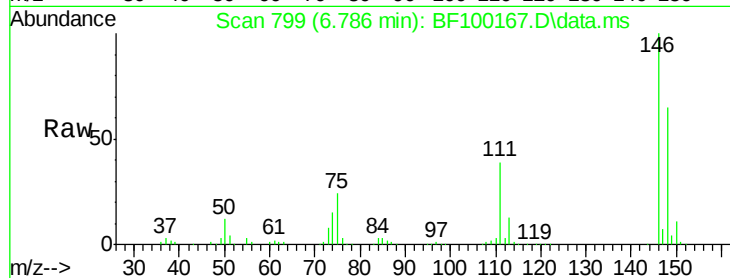
Tot Ion:146 Resp: 306104

Ion Ratio Lower Upper

146 100

148 65.3 50.8 76.2

111 39.2 34.2 51.2



#14

1,2-Dichlorobenzene

Concen: 41.57 ng

RT: 6.939 min Scan# 825

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

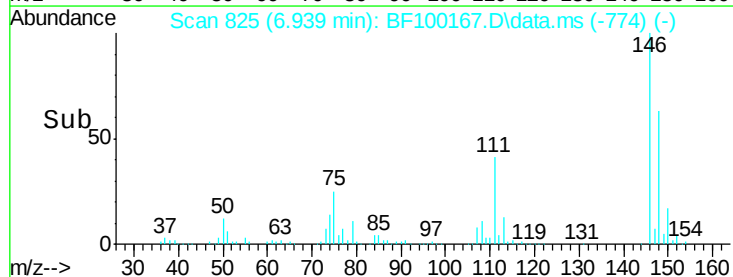
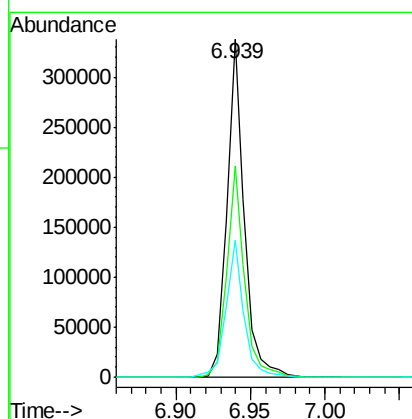
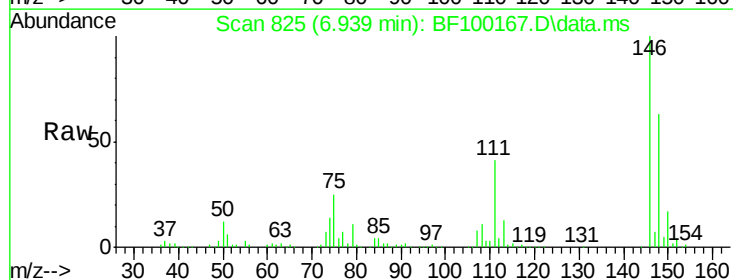
Tgt Ion:146 Resp: 277845

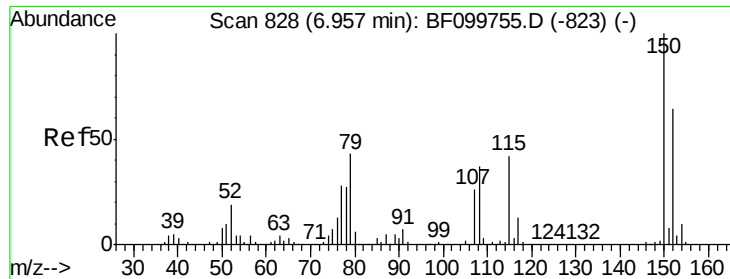
Ion Ratio Lower Upper

146 100

148 62.6 50.6 75.8

111 40.7 36.0 54.0





#15

Benzyl Alcohol

Concen: 29.06 ng

RT: 6.928 min Scan# 82

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

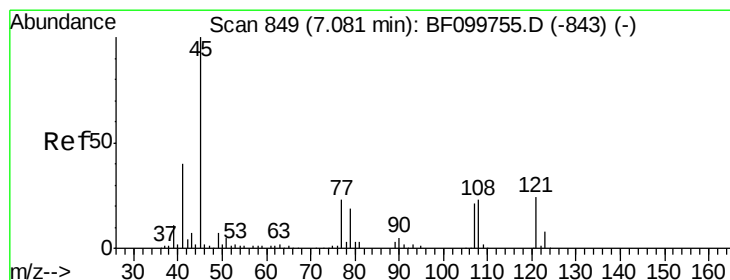
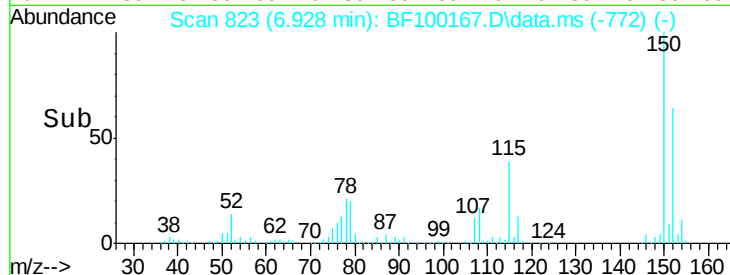
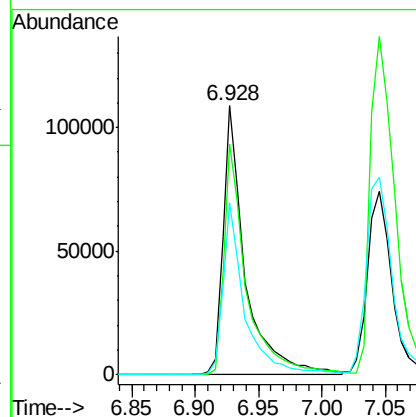
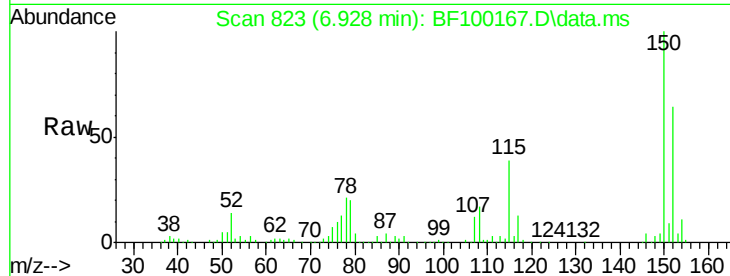
Tot Ion: 79 Resp: 132309

Ion Ratio Lower Upper

79 100

108 85.8 65.1 97.7

77 64.1 50.6 75.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.96 ng

RT: 7.039 min Scan# 842

Delta R.T. -0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

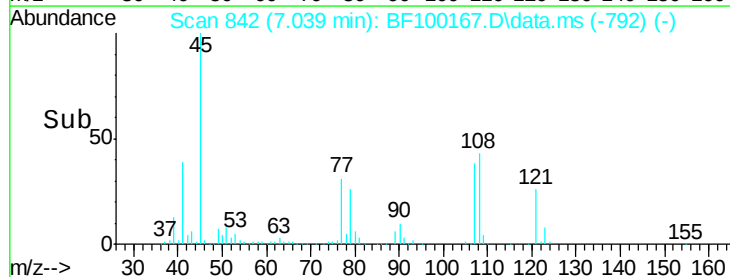
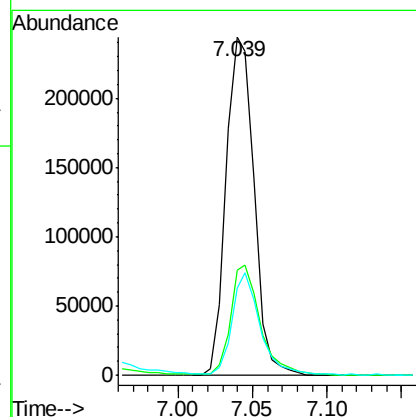
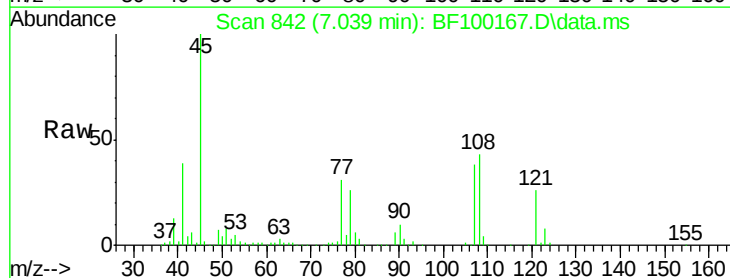
Tgt Ion: 45 Resp: 323404

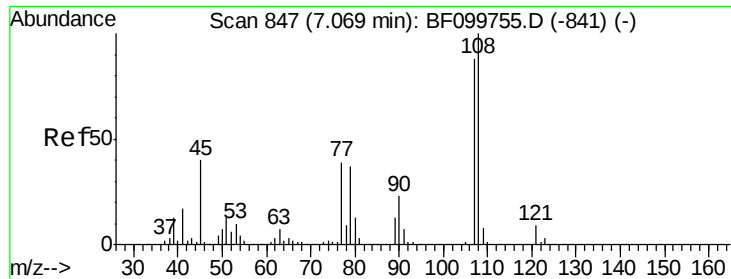
Ion Ratio Lower Upper

45 100

77 30.9 0.0 32.9

79 25.9 0.0 29.6

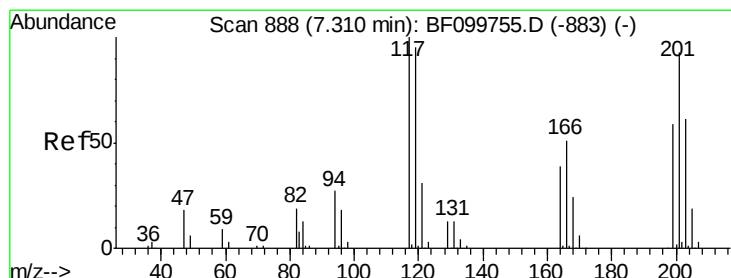
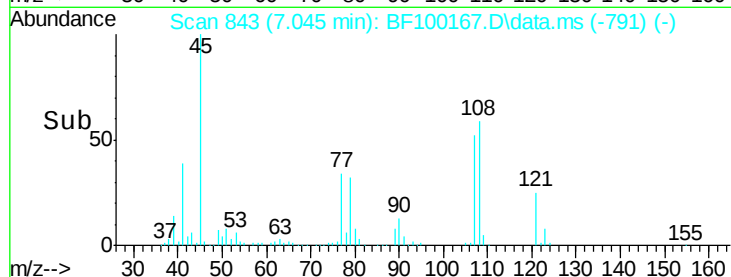
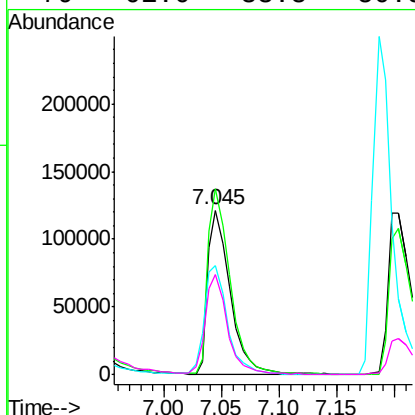
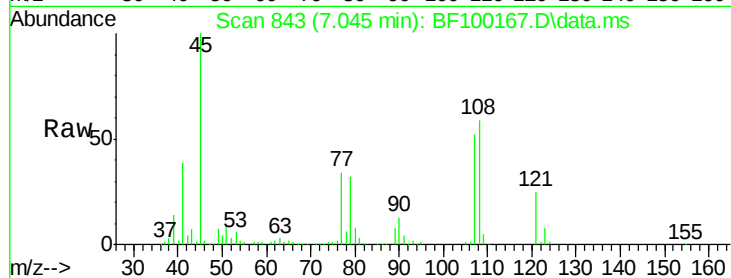




#17
2-Methylphenol
Concen: 30.75 ng
RT: 7.045 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

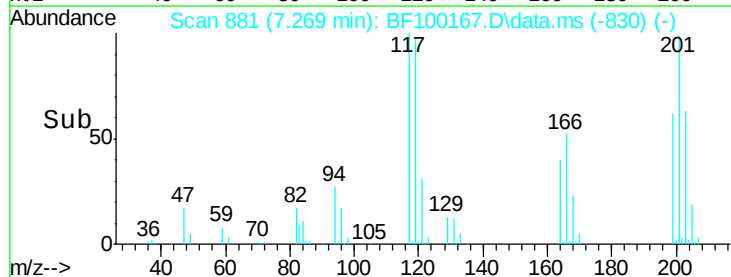
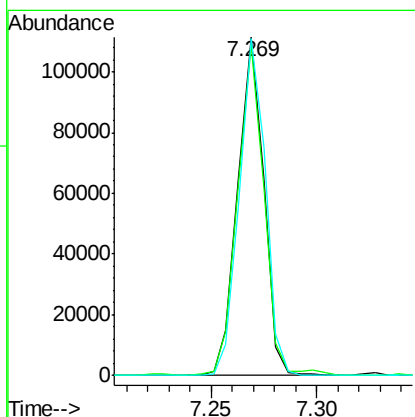
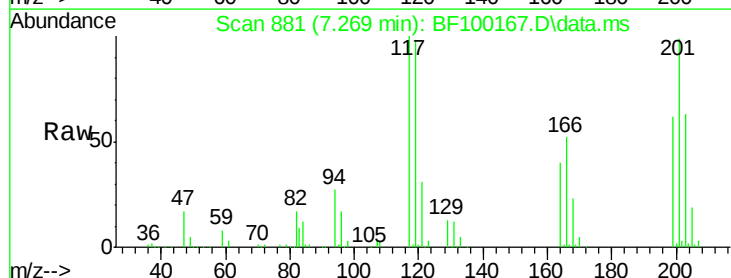
Instrument :
BNA_F
ClientSampleId :
RLF-GW-9SMS

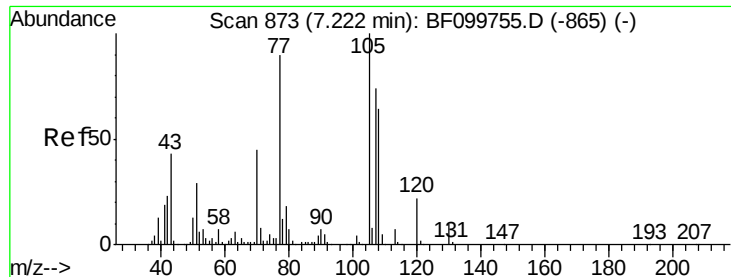
Tot Ion	Ratio	Lower	Upper
107	100		
108	112.7	91.7	137.5
77	65.9	33.8	50.8#
79	61.0	33.8	50.8#



#18
Hexachloroethane
Concen: 38.80 ng
RT: 7.269 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.8	113.8
201	99.5	75.7	113.5

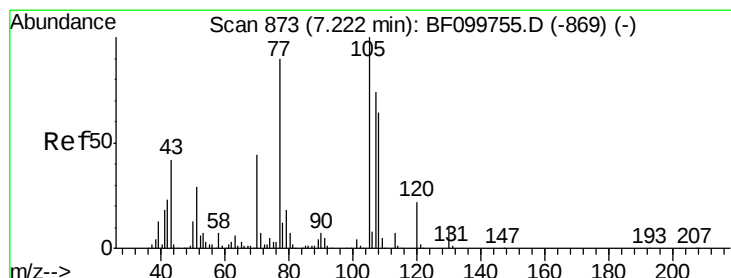
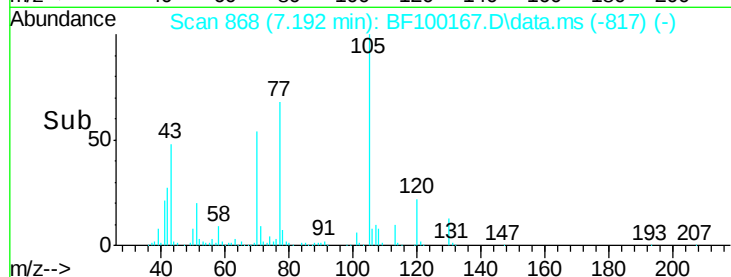
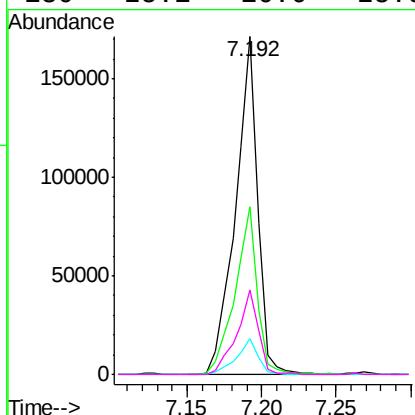
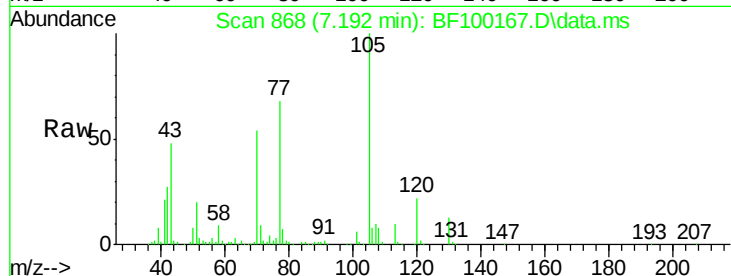




#19
n-Nitroso-di-n-propylamine
Concen: 42.48 ng
RT: 7.192 min Scan# 86
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

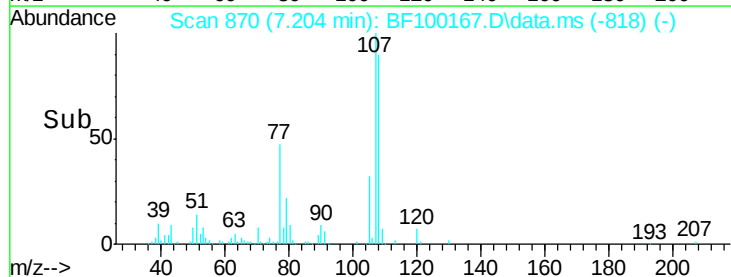
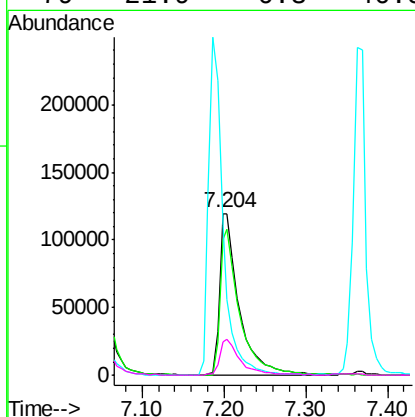
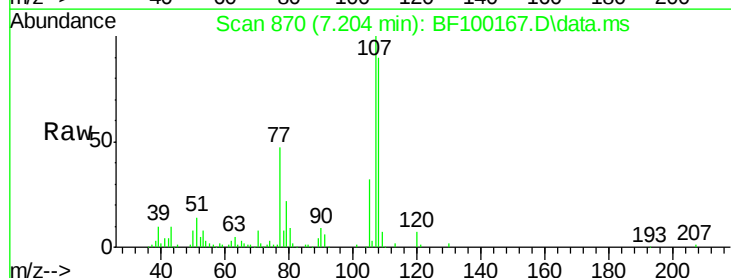
Instrument :
BNA_F
ClientSampleId :
RLF-GW-9SMS

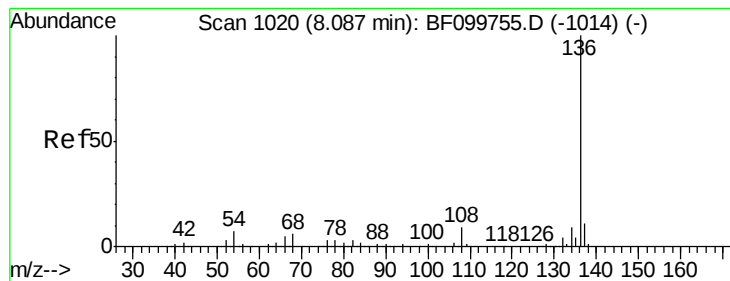
Tot Ion: 70 Resp: 178235
Ion Ratio Lower Upper
70 100
42 49.6 47.5 71.3
101 10.5 7.4 11.2
130 25.1 16.6 25.0#



#20
3+4-Methylphenols
Concen: 32.14 ng
RT: 7.204 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

Tgt Ion: 107 Resp: 201445
Ion Ratio Lower Upper
107 100
108 90.0 68.2 108.2
77 46.6 26.7 66.7
79 21.9 6.3 46.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.051 min Scan# 10

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

Tot Ion:136 Resp: 386355

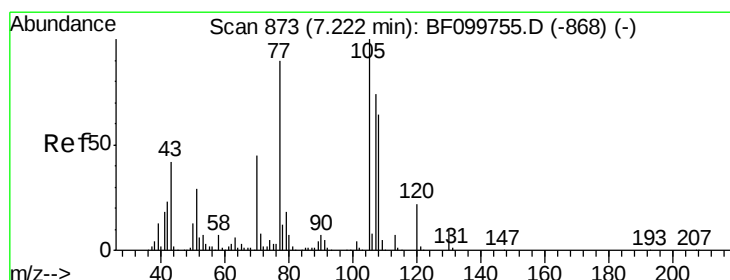
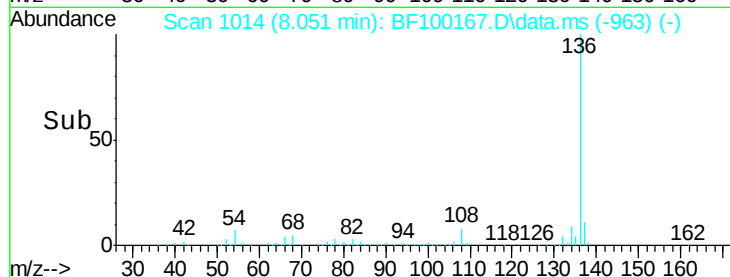
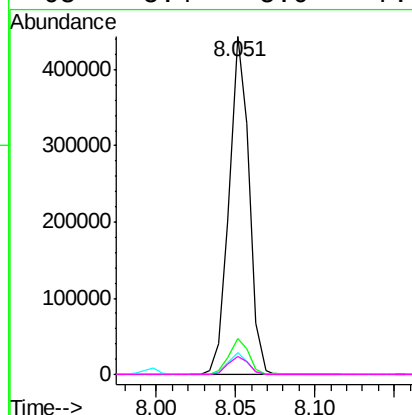
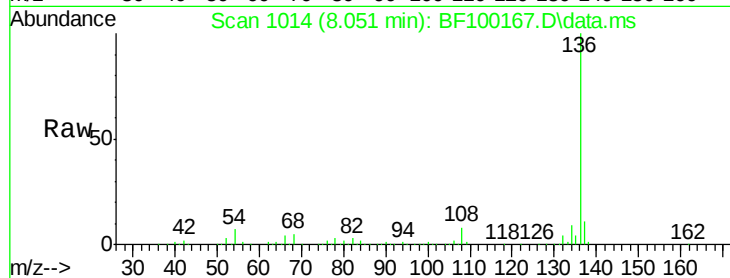
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.6 6.6 9.8

68 5.4 5.0 7.4



#22

Acetophenone

Concen: 42.92 ng

RT: 7.186 min Scan# 867

Delta R.T. -0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Tgt Ion:105 Resp: 377566

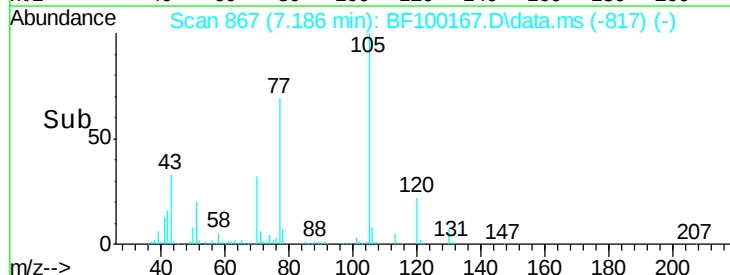
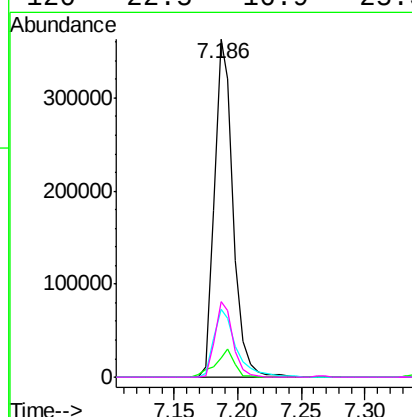
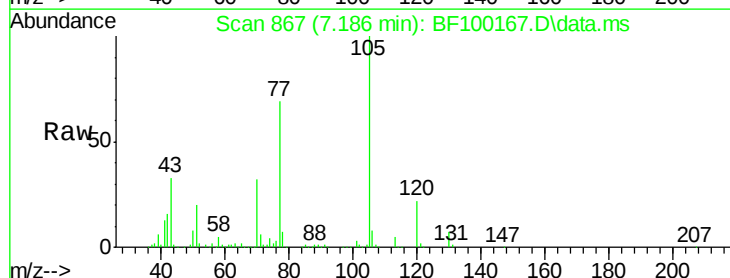
Ion Ratio Lower Upper

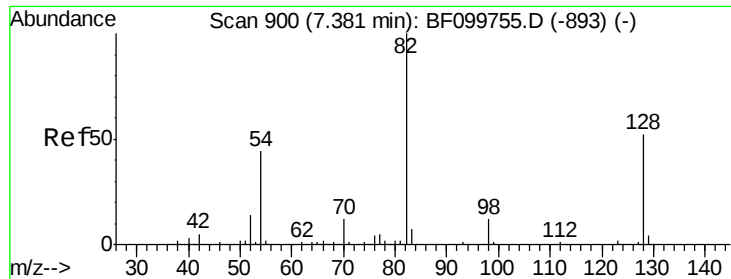
105 100

71 5.6 4.4 6.6

51 20.1 22.3 33.5#

120 22.5 16.9 25.3

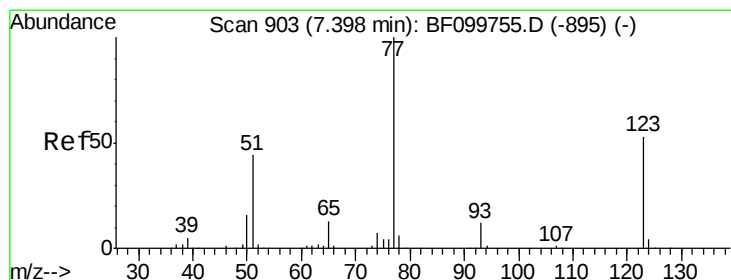
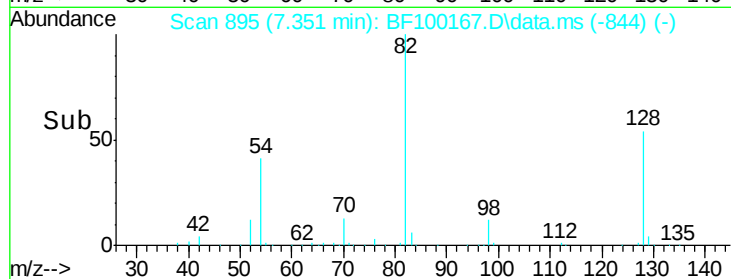
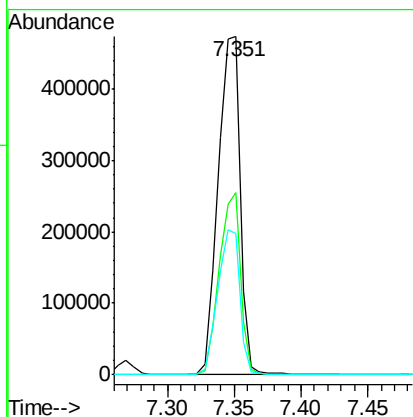
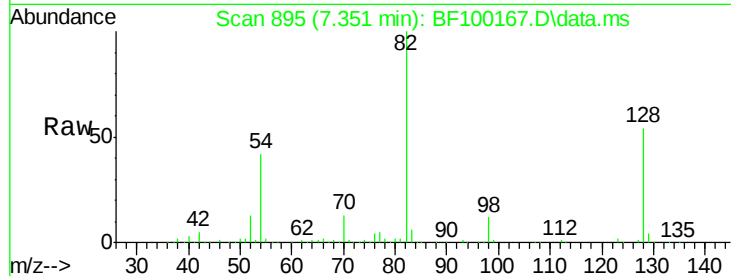




#23
 Nitrobenzene-d5
 Concen: 92.78 ng
 RT: 7.351 min Scan# 89
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

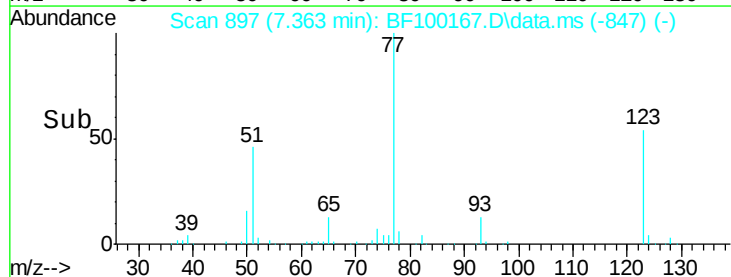
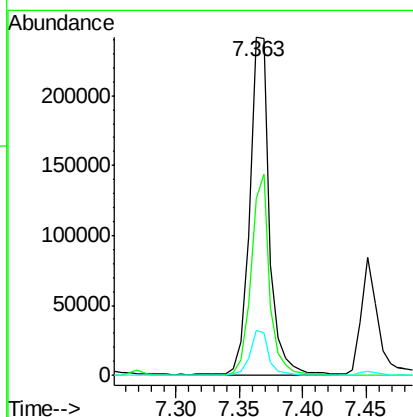
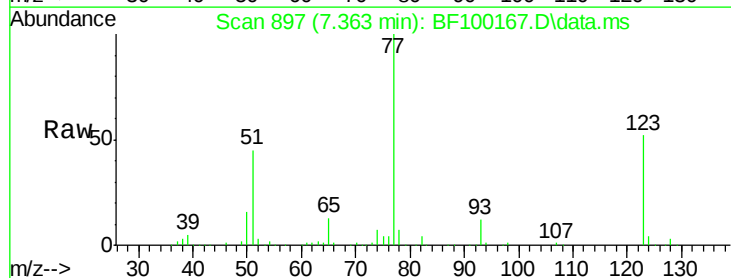
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

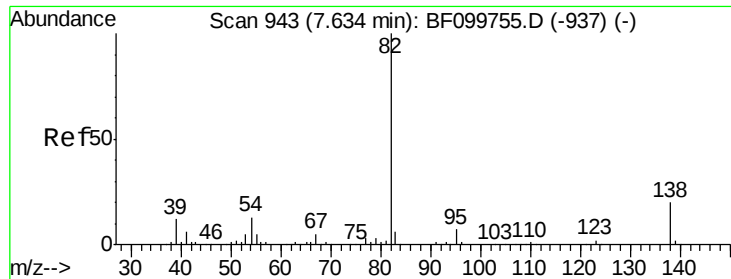
Tot Ion	82	Resp	556783
Ion Ratio	100	Lower	Upper
128	53.9	36.1	54.1
54	41.7	41.4	62.2



#24
 Nitrobenzene
 Concen: 43.73 ng
 RT: 7.363 min Scan# 897
 Delta R.T. -0.006 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion	77	Resp	264426
Ion Ratio	100	Lower	Upper
123	52.3	37.9	56.9
65	13.1	11.0	16.4





#25

Isophorone

Concen: 46.29 ng

RT: 7.598 min Scan# 93

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

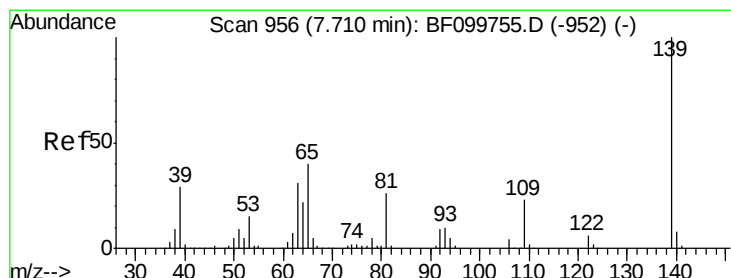
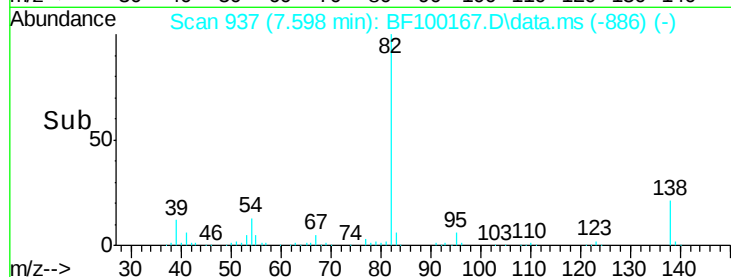
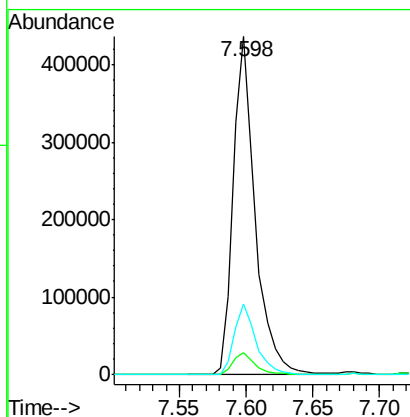
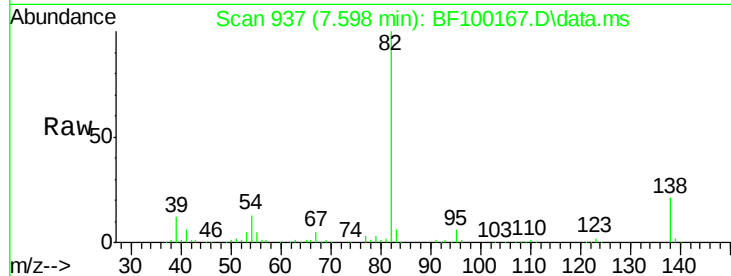
Tot Ion: 82 Resp: 504048

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

138 21.0 14.9 22.3



#26

2-Nitrophenol

Concen: 45.07 ng

RT: 7.681 min Scan# 951

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

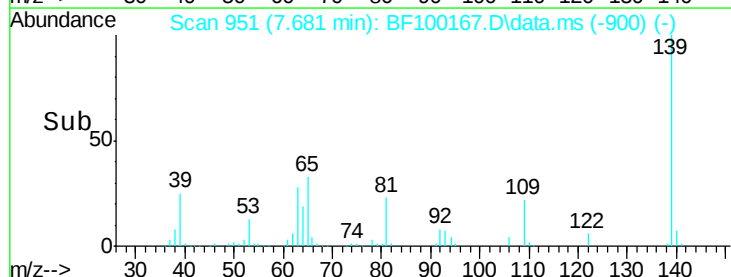
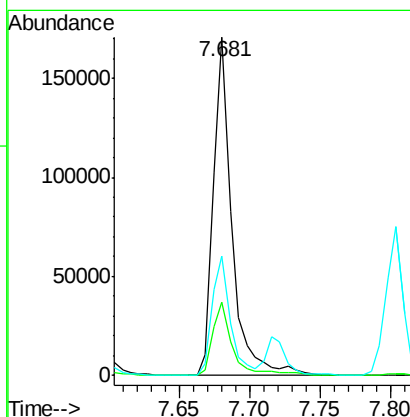
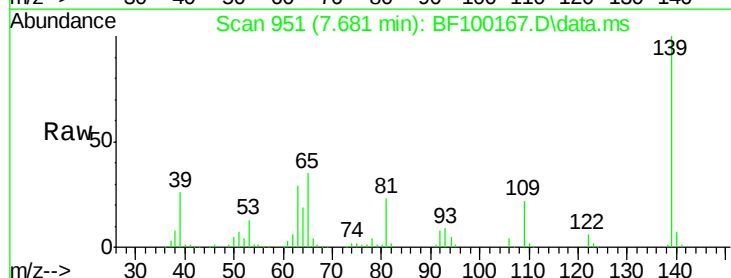
Tgt Ion: 139 Resp: 156092

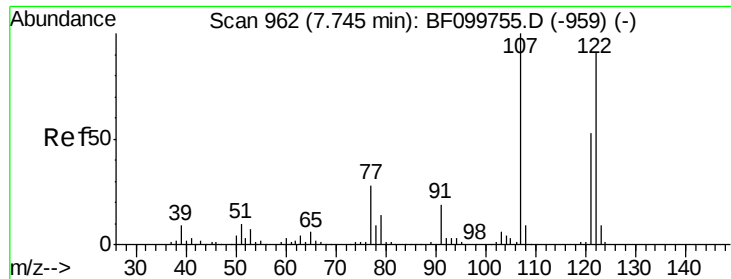
Ion Ratio Lower Upper

139 100

109 21.5 22.7 34.1#

65 35.3 40.5 60.7#





#27

2,4-Dimethylphenol

Concen: 41.54 ng

RT: 7.716 min Scan# 95

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

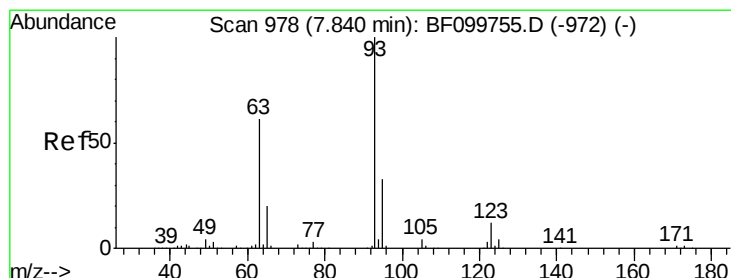
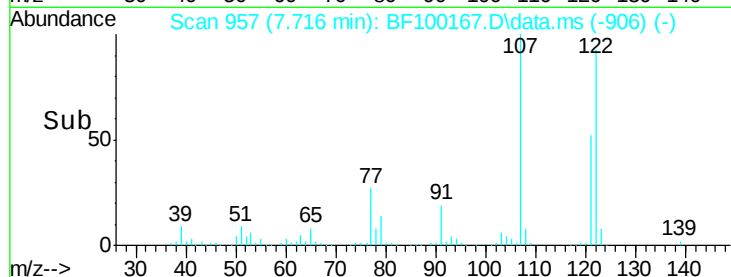
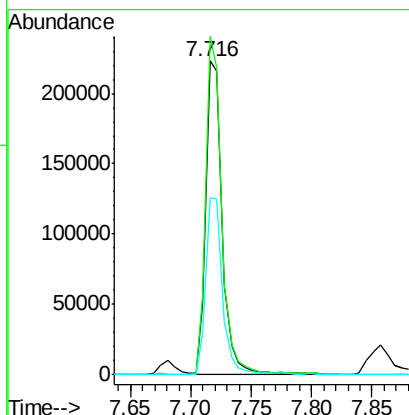
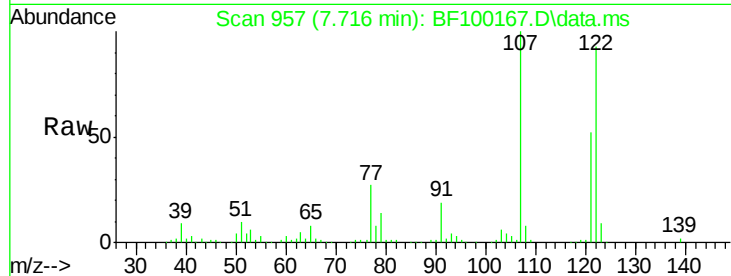
Tot Ion:122 Resp: 211978

Ion Ratio Lower Upper

122 100

107 107.9 91.2 136.8

121 56.5 47.2 70.8



#28

bis(2-Chloroethoxy)methane

Concen: 43.77 ng

RT: 7.804 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

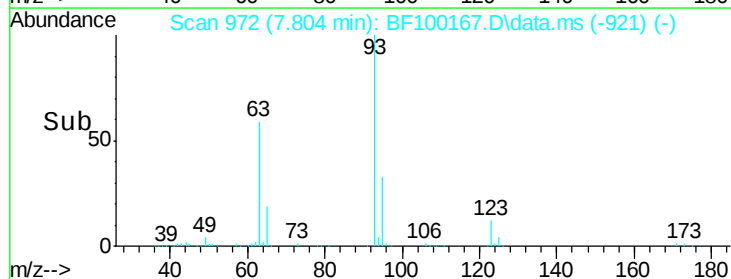
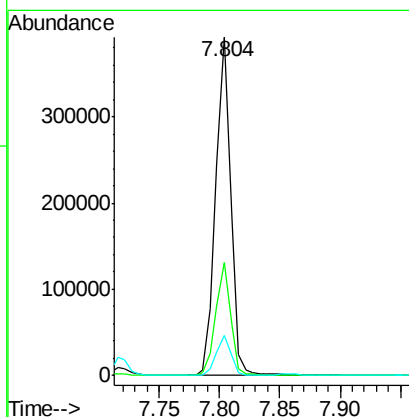
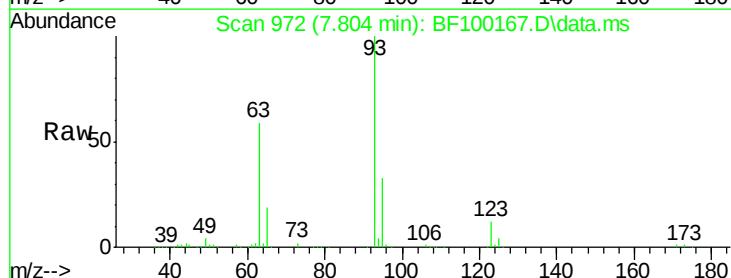
Tgt Ion: 93 Resp: 333822

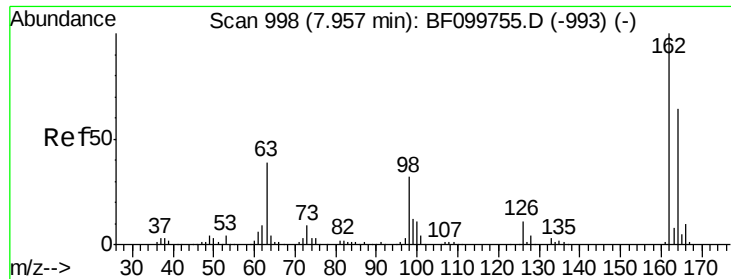
Ion Ratio Lower Upper

93 100

95 33.4 26.3 39.5

123 11.6 9.8 14.6

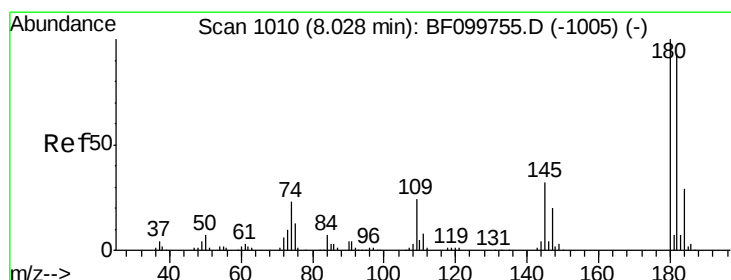
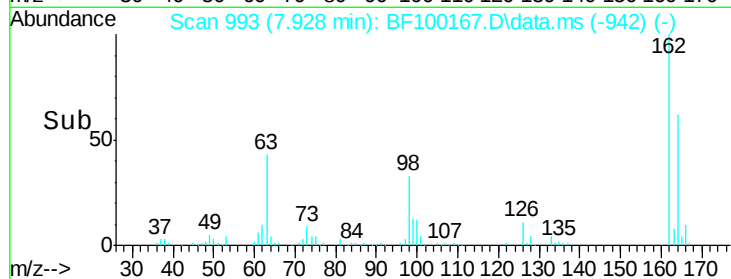
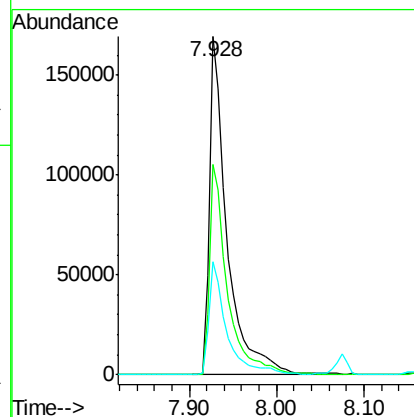
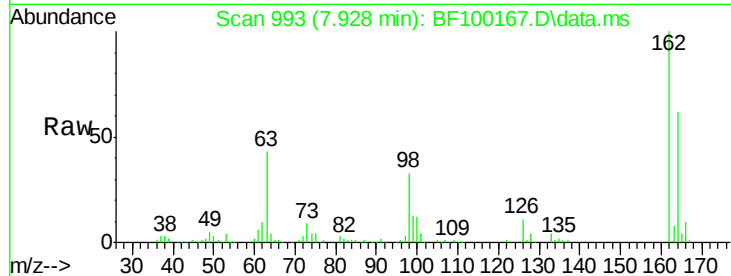




#29
 2,4-Dichlorophenol
 Concen: 44.40 ng
 RT: 7.928 min Scan# 99
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

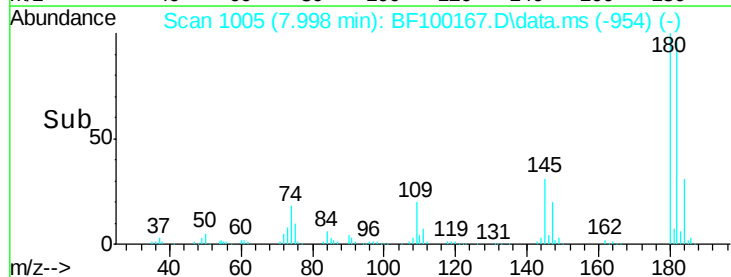
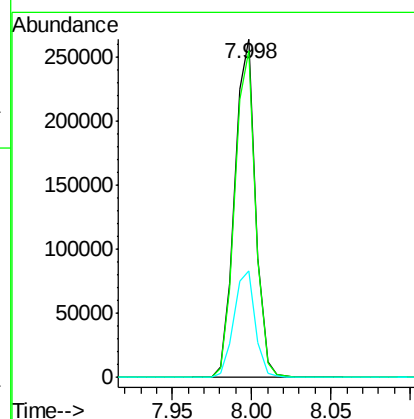
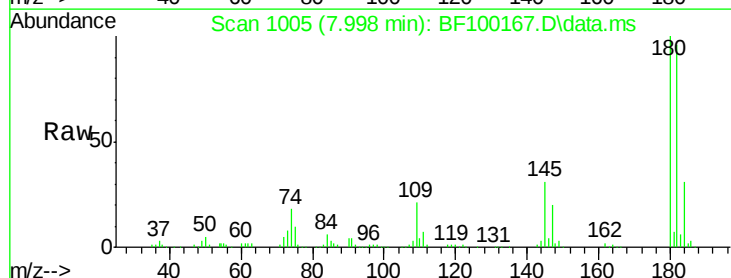
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

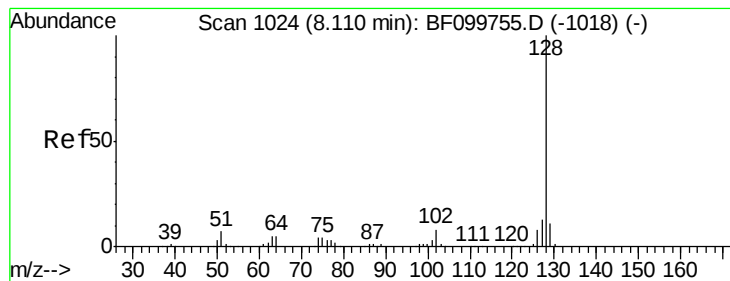
Tot Ion	Ratio	Lower	Upper
162	100		
164	62.3	42.7	82.7
98	33.3	18.1	58.1



#30
 1,2,4-Trichlorobenzene
 Concen: 42.40 ng
 RT: 7.998 min Scan# 1005
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.8	115.2
145	31.4	26.5	39.7





#31

Naphthalene

Concen: 42.38 ng

RT: 8.075 min Scan# 10

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

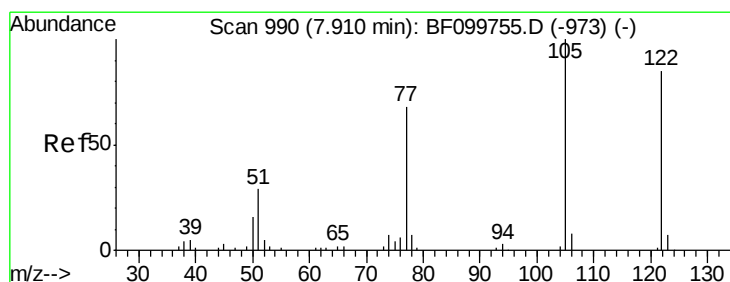
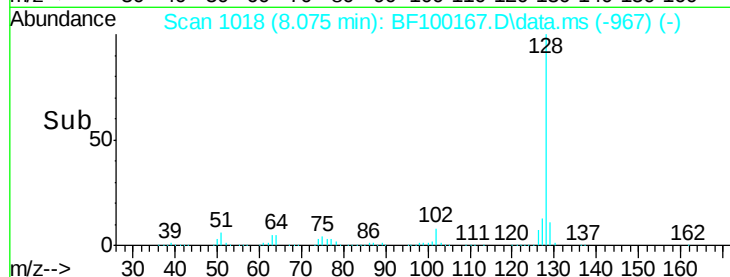
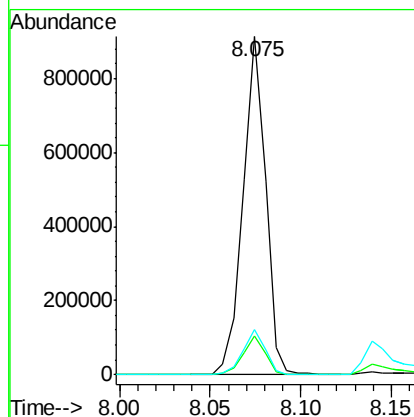
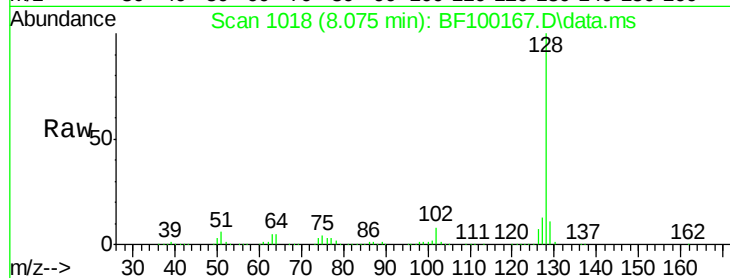
Tot Ion:128 Resp: 790439

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.3 10.9 16.3



#32

Benzoic acid

Concen: 7.69 ng

RT: 7.857 min Scan# 981

Delta R.T. -0.047 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

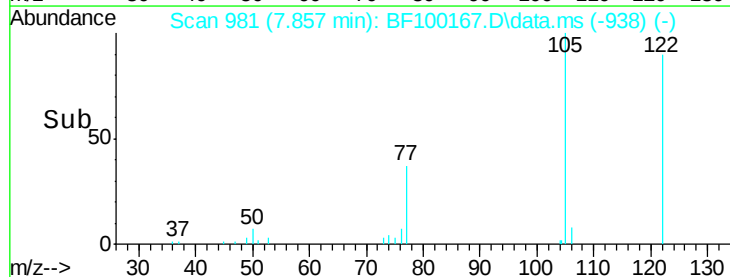
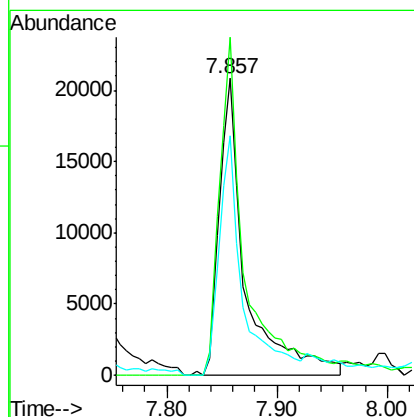
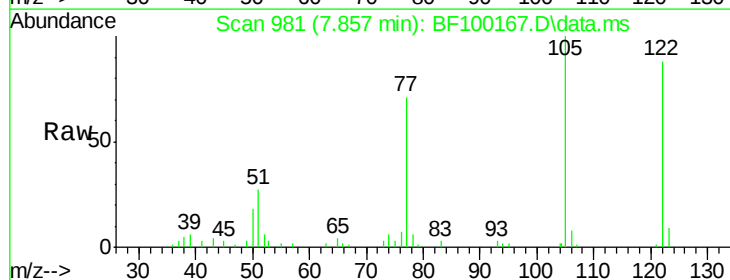
Tgt Ion:122 Resp: 34531

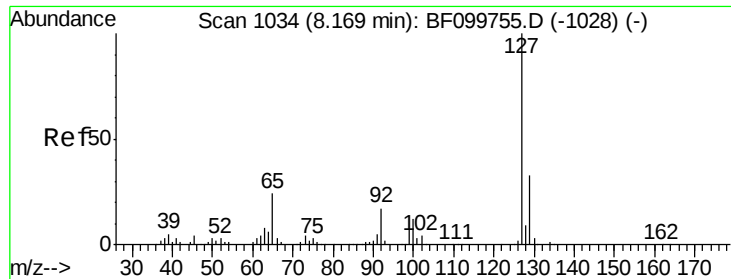
Ion Ratio Lower Upper

122 100

105 113.9 101.1 141.1

77 80.9 70.7 110.7

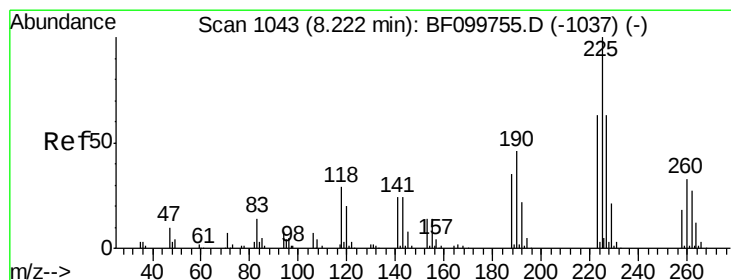
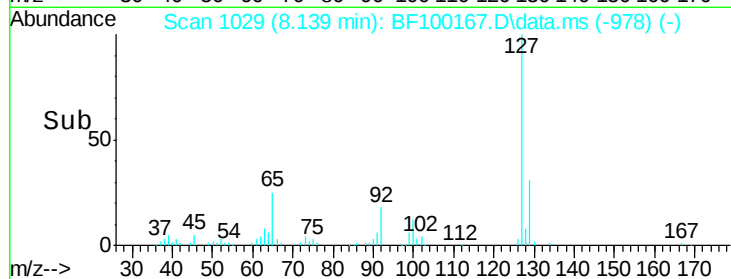
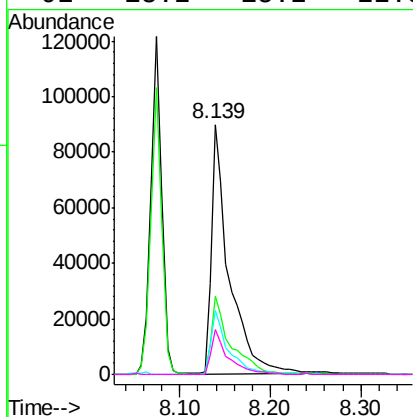
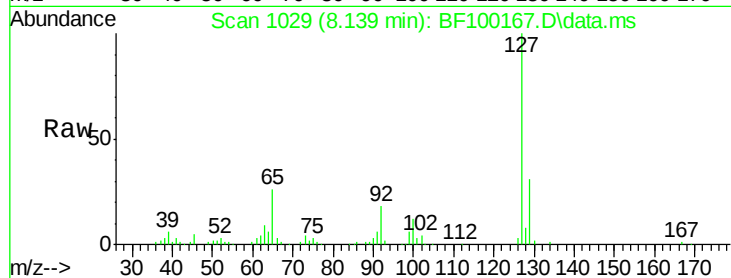




#33
4-Chloroaniline
Concen: 16.06 ng
RT: 8.139 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

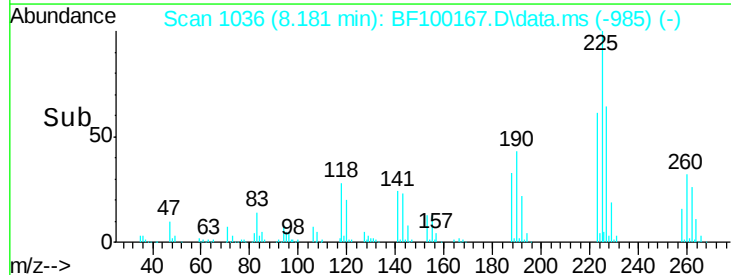
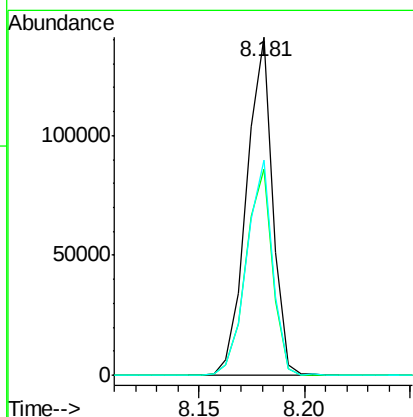
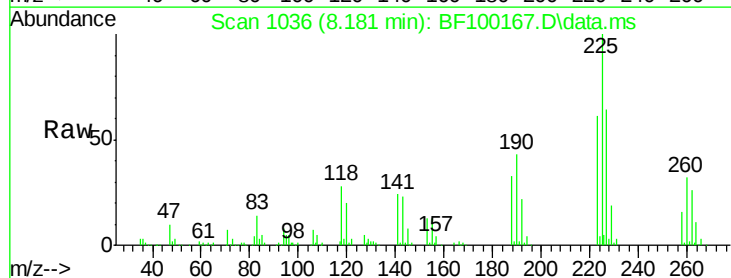
Instrument :
BNA_F
ClientSampleId :
RLF-GW-9SMS

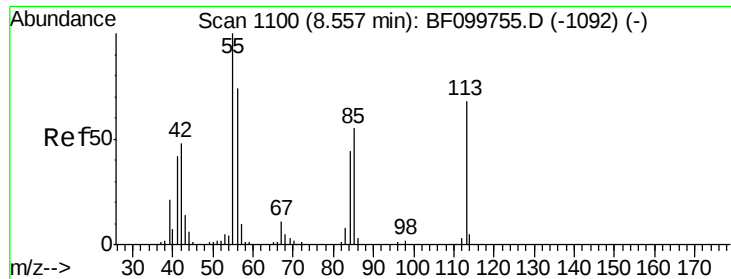
Tot Ion:	127	Resp:	123654
Ion Ratio	Lower	Upper	
127	100		
129	31.4	25.9	38.9
65	25.7	25.0	37.4
92	18.2	15.2	22.8



#34
Hexachlorobutadiene
Concen: 41.46 ng
RT: 8.181 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

Tgt Ion:	225	Resp:	120785
Ion Ratio	Lower	Upper	
225	100		
223	61.1	50.6	76.0
227	63.7	51.9	77.9

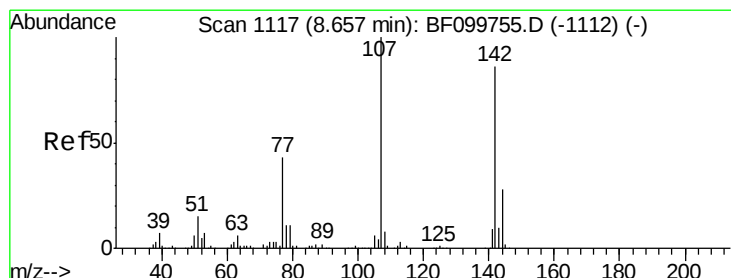
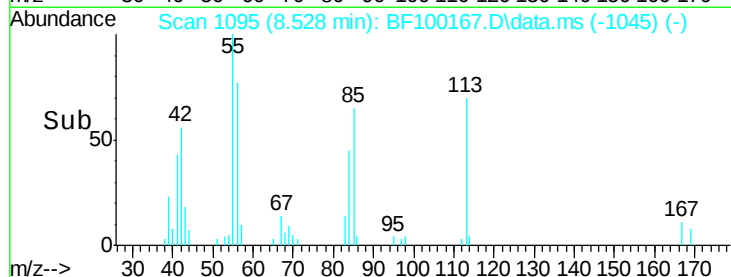
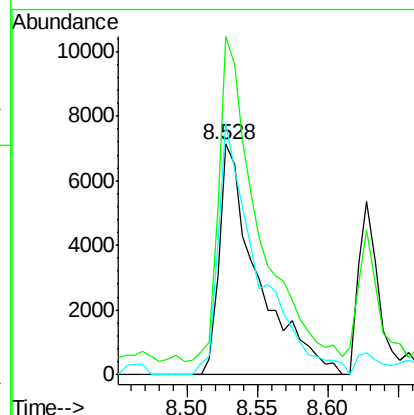
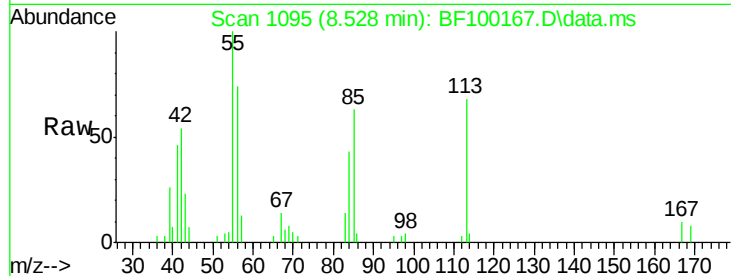




#35
 Caprolactam
 Concen: 8.08 ng
 RT: 8.528 min Scan# 1095
 Delta R.T. -0.006 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

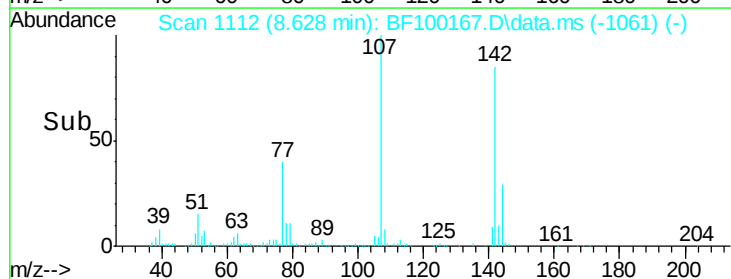
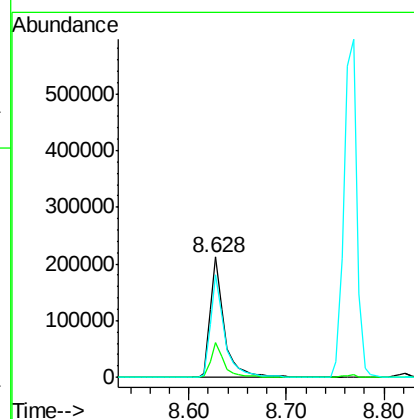
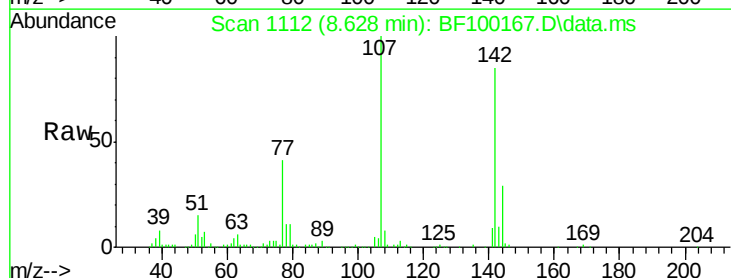
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

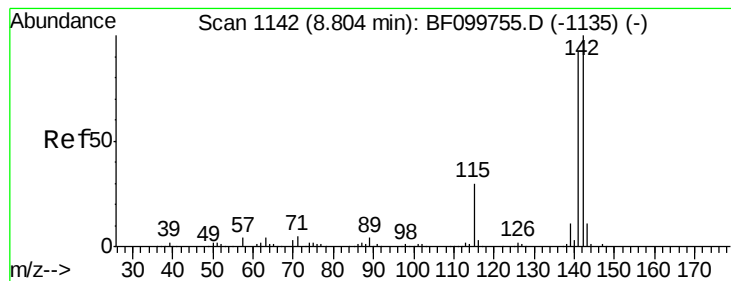
Tot Ion:113 Resp: 13472
 Ion Ratio Lower Upper
 113 100
 55 146.9 163.3 203.3#
 56 109.2 115.7 155.7#



#36
 4-Chloro-3-methylphenol
 Concen: 39.06 ng
 RT: 8.628 min Scan# 1112
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion:107 Resp: 211320
 Ion Ratio Lower Upper
 107 100
 144 28.8 20.5 30.7
 142 85.0 62.0 93.0





#37

2-Methylnaphthalene

Concen: 43.89 ng

RT: 8.769 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

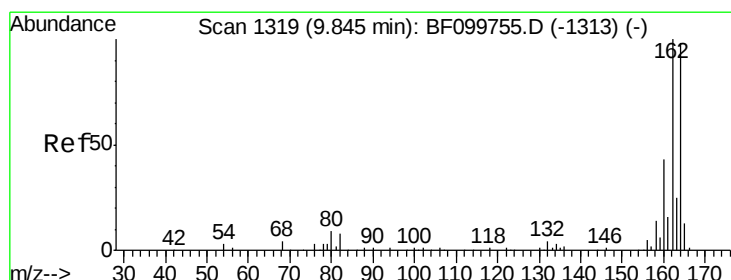
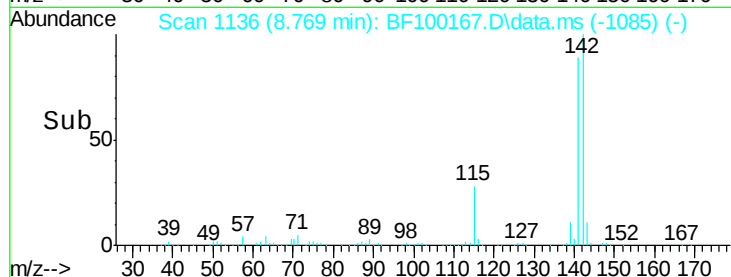
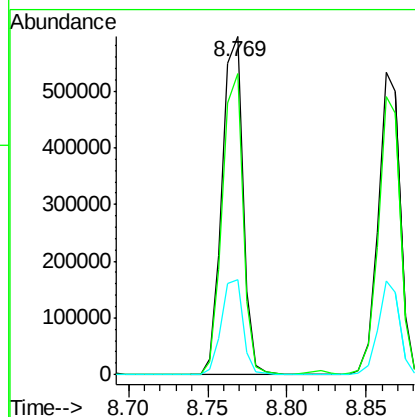
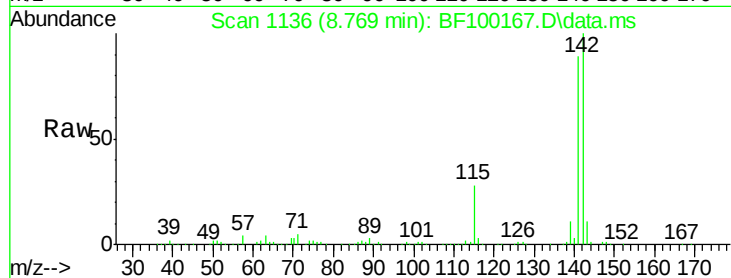
Tot Ion:142 Resp: 548549

Ion Ratio Lower Upper

142 100

141 88.9 70.8 106.2

115 28.2 26.1 39.1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.810 min Scan# 1313

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

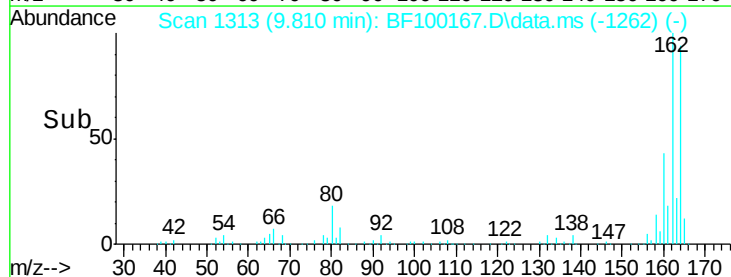
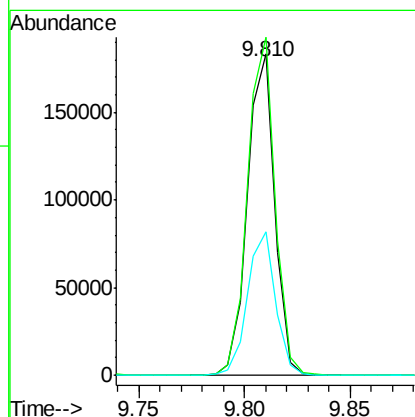
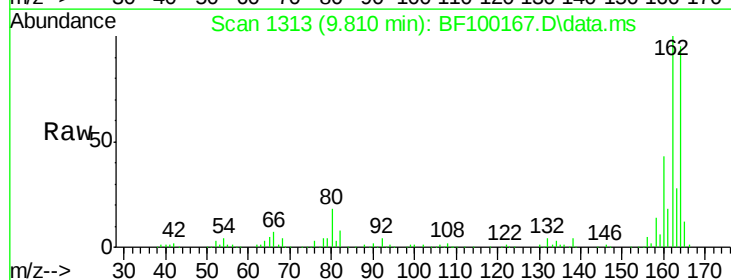
Tgt Ion:164 Resp: 164104

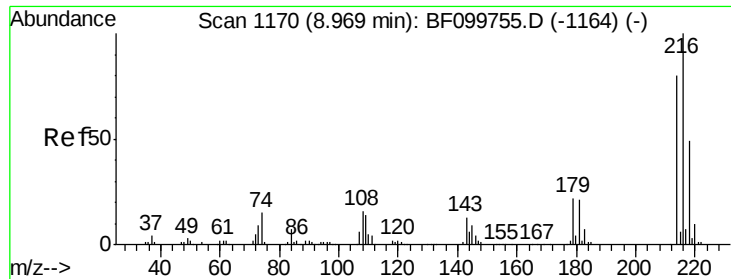
Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

160 44.8 38.3 57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.44 ng

RT: 8.933 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

Tot Ion:216 Resp: 224918

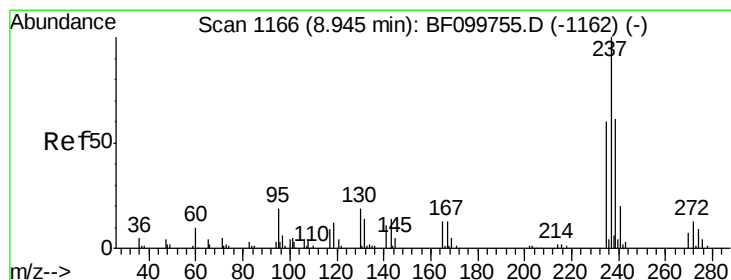
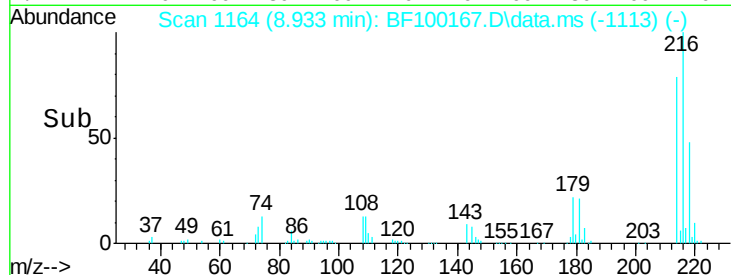
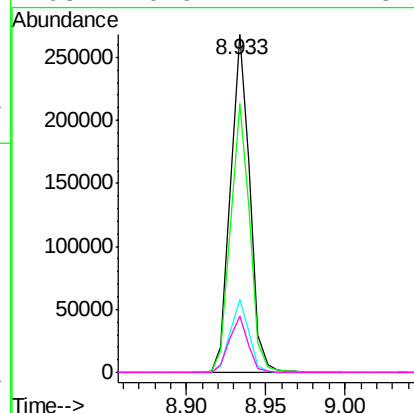
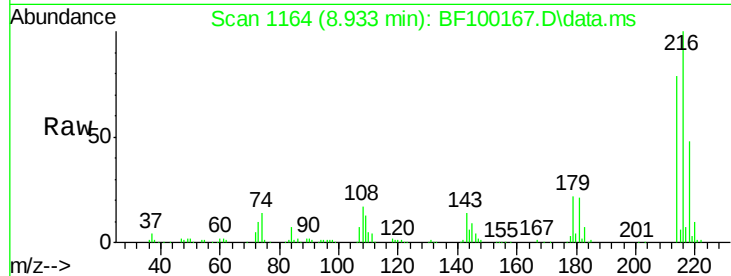
Ion Ratio Lower Upper

216 100

214 79.0 63.0 94.4

179 21.1 18.1 27.1

108 16.6 17.2 25.8#



#40

Hexachlorocyclopentadiene

Concen: 18.86 ng

RT: 8.904 min Scan# 1159

Delta R.T. -0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

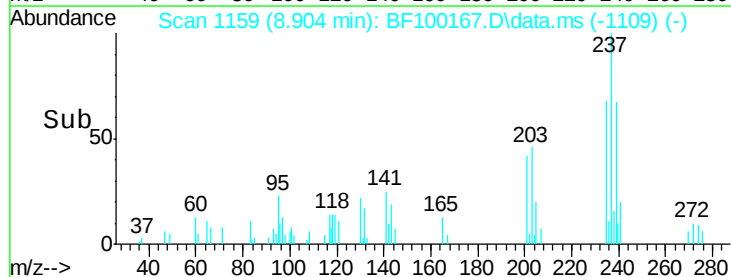
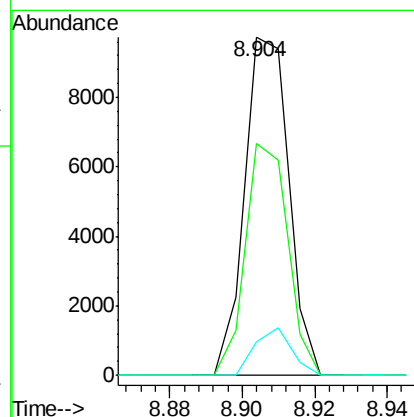
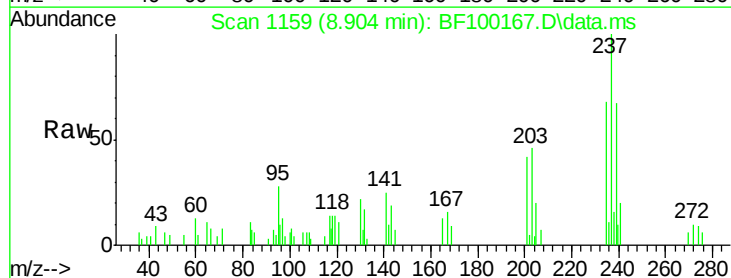
Tgt Ion:237 Resp: 8222

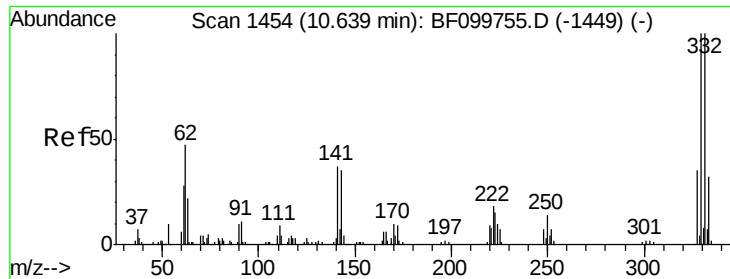
Ion Ratio Lower Upper

237 100

235 68.5 44.8 84.8

272 9.9 0.0 33.3

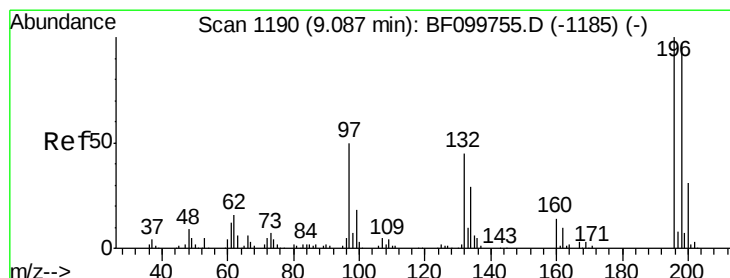
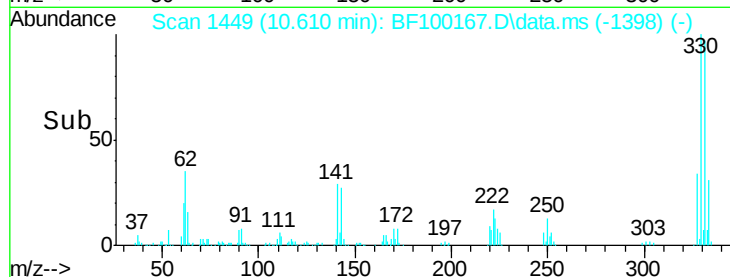
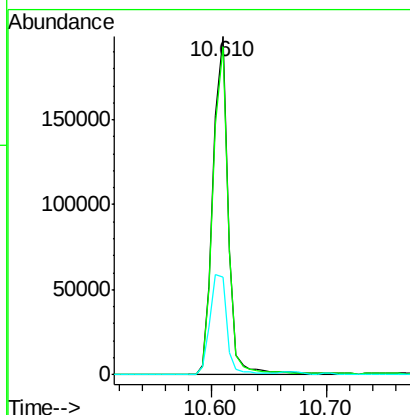
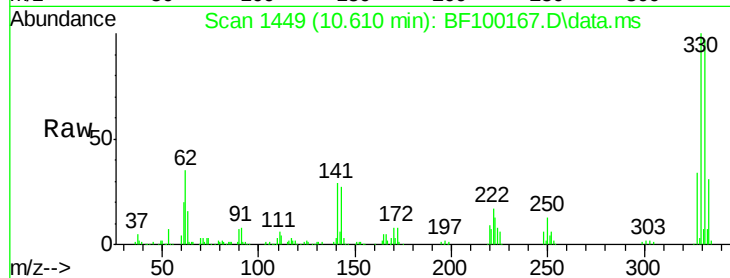




#41
 2,4,6-Tribromophenol
 Concen: 122.57 ng
 RT: 10.610 min Scan# 1454
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

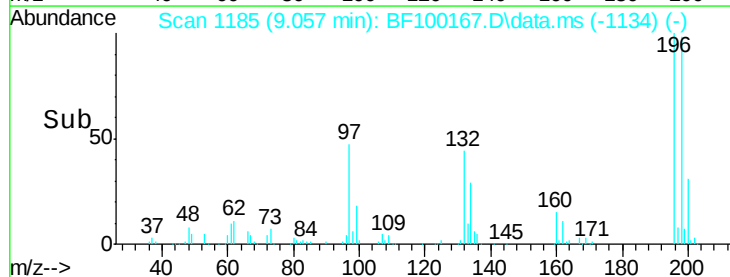
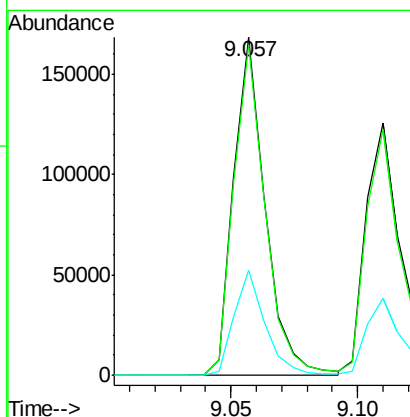
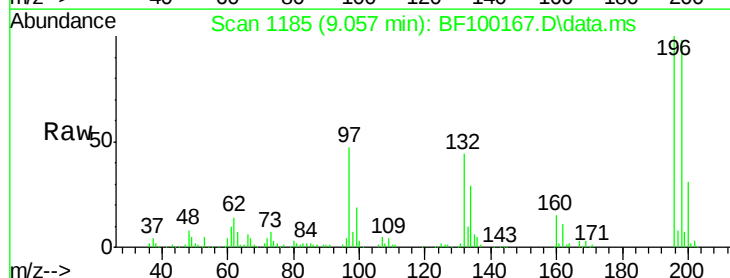
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

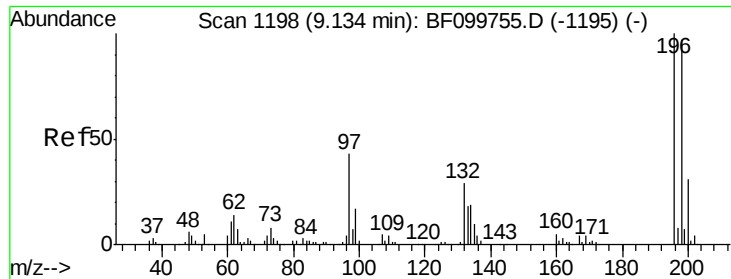
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	33.1	29.9	44.9



#42
 2,4,6-Trichlorophenol
 Concen: 45.38 ng
 RT: 9.057 min Scan# 1185
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.9	75.7	113.5
200	31.1	24.5	36.7

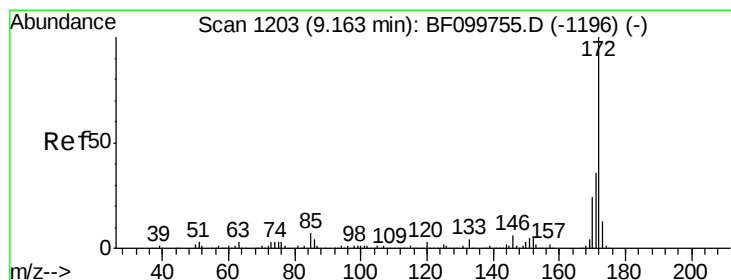
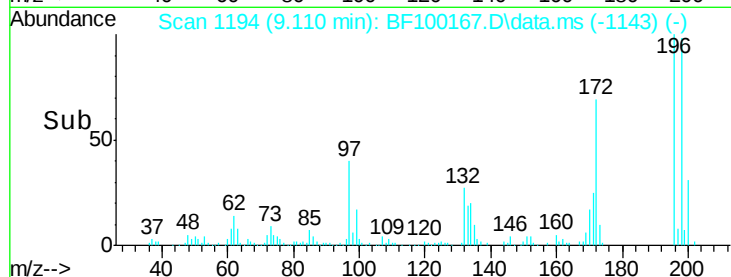
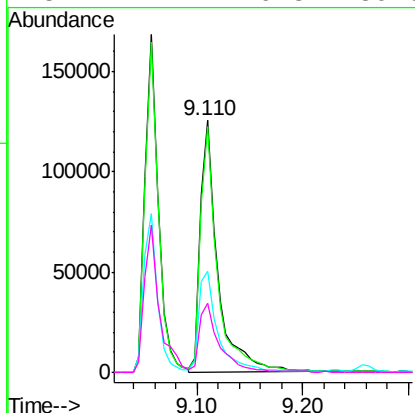
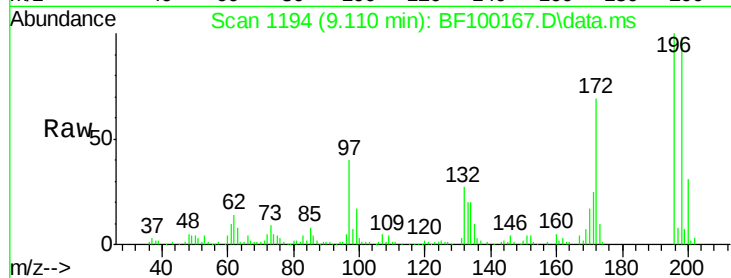




#43
 2,4,5-Trichlorophenol
 Concen: 42.14 ng
 RT: 9.110 min Scan# 1198
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

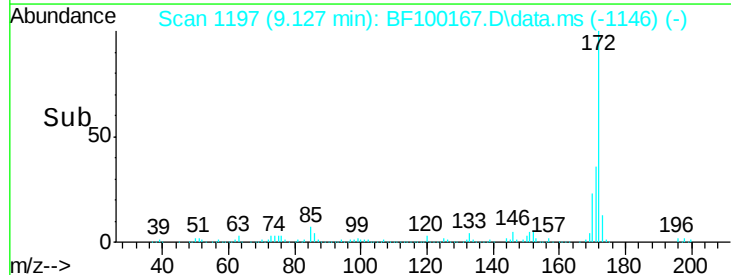
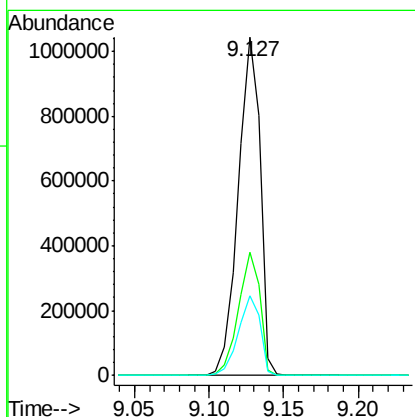
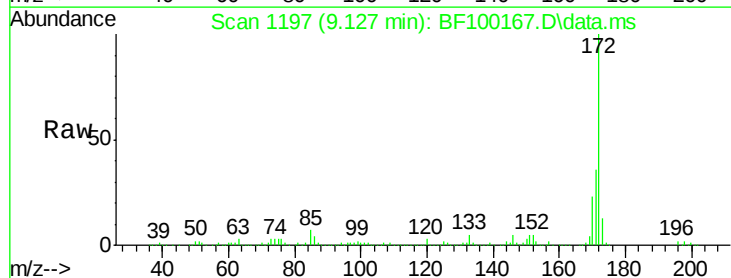
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

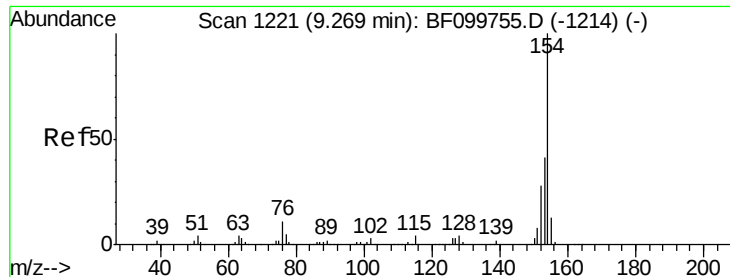
Tot Ion:196 Resp: 143379
 Ion Ratio Lower Upper
 196 100
 198 97.7 74.6 112.0
 97 40.3 42.9 64.3#
 132 27.4 26.3 39.5



#44
 2-Fluorobiphenyl
 Concen: 100.94 ng
 RT: 9.127 min Scan# 1197
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion:172 Resp: 1073676
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.5 19.6 29.4





#45

1,1'-Biphenyl

Concen: 42.81 ng

RT: 9.227 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

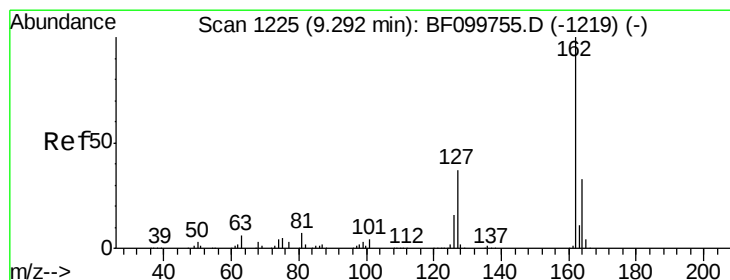
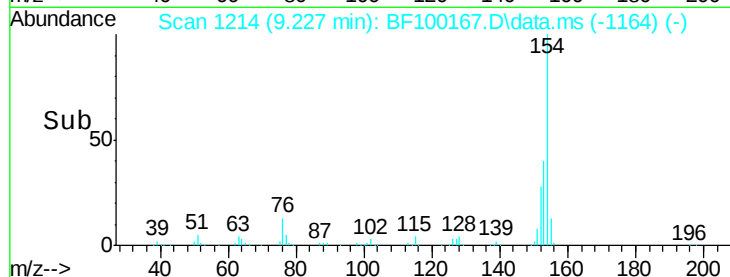
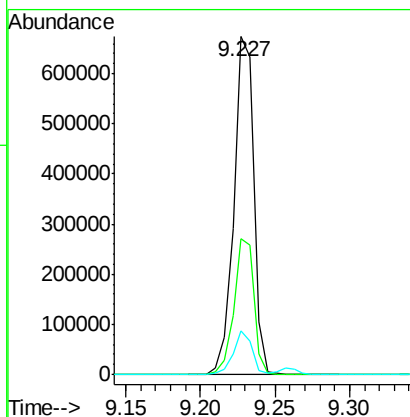
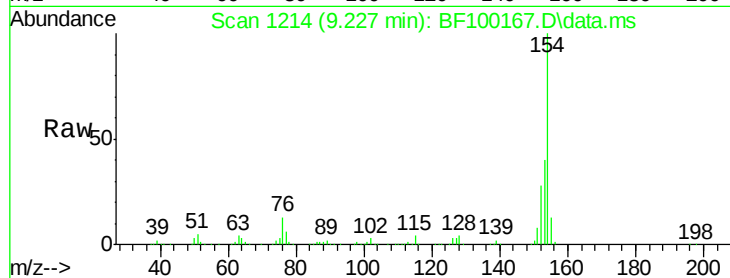
Tot Ion:154 Resp: 635489

Ion Ratio Lower Upper

154 100

153 40.2 21.3 61.3

76 12.8 0.0 34.0



#46

2-Chloronaphthalene

Concen: 45.27 ng

RT: 9.257 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

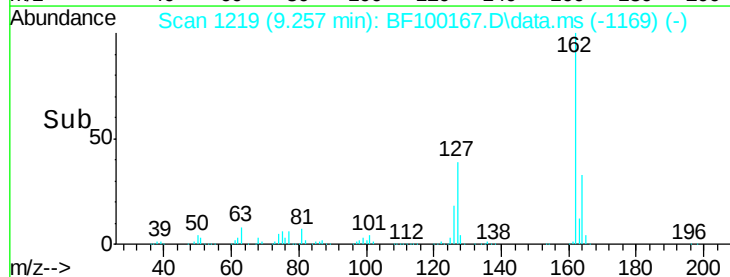
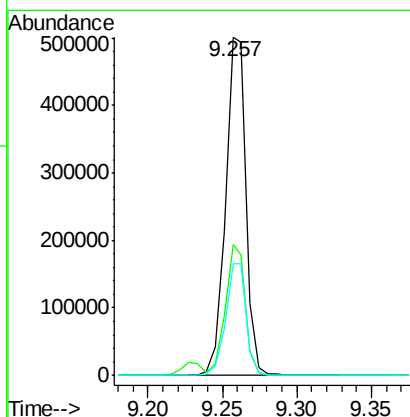
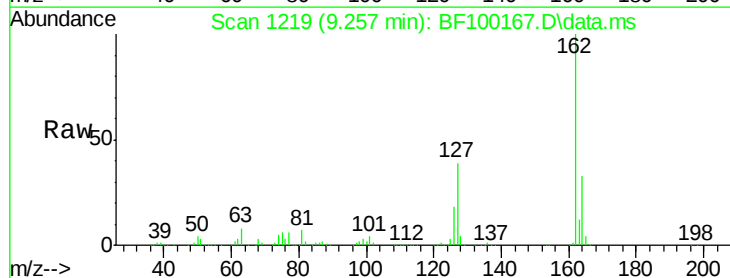
Tgt Ion:162 Resp: 488113

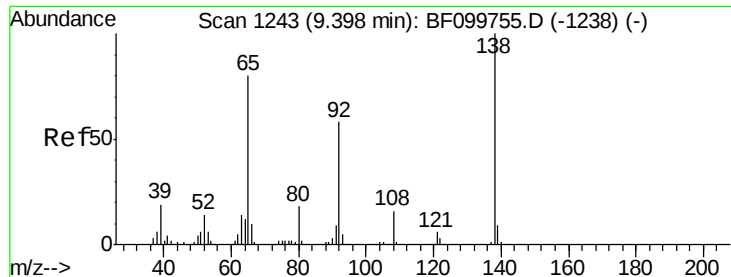
Ion Ratio Lower Upper

162 100

127 38.7 33.9 50.9

164 33.1 26.5 39.7

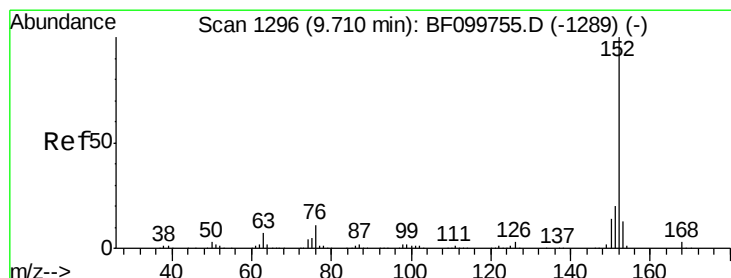
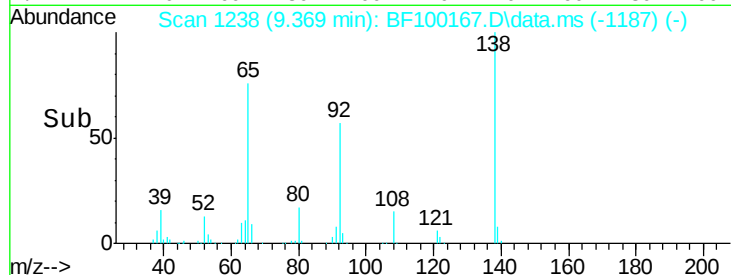
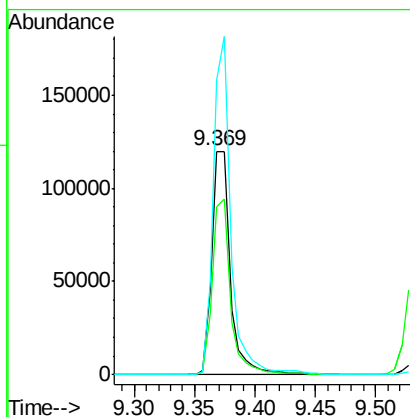
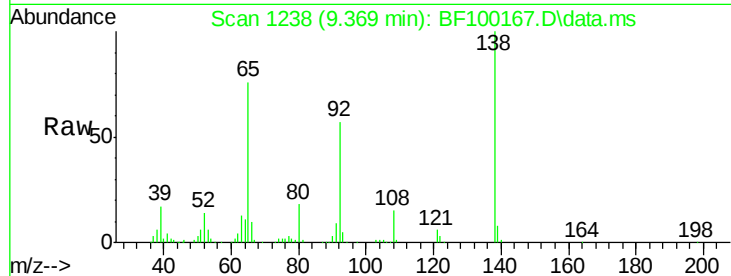




#47
 2-Nitroaniline
 Concen: 44.59 ng
 RT: 9.369 min Scan# 1243
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

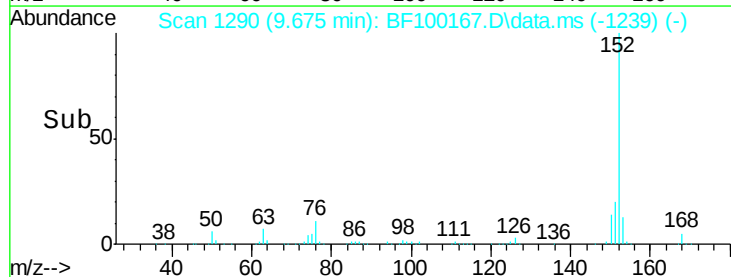
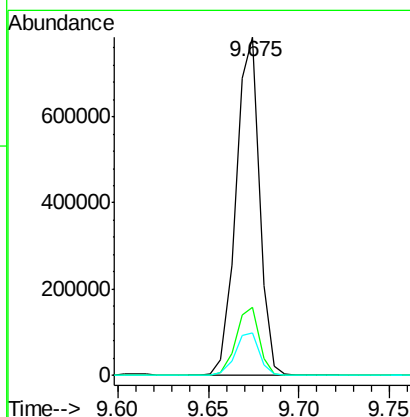
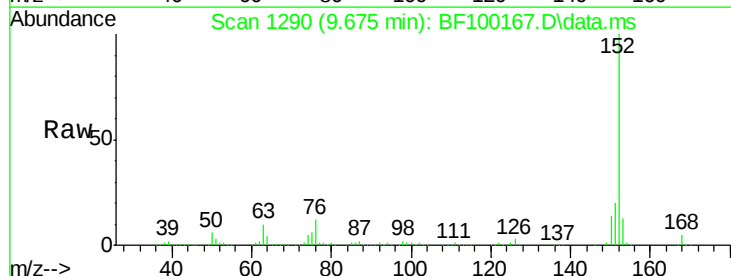
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

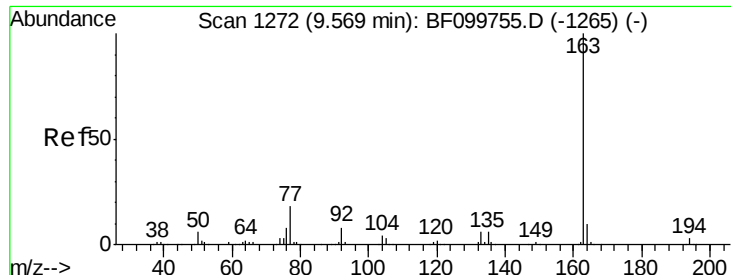
Tot Ion: 65 Resp: 126167
 Ion Ratio Lower Upper
 65 100
 92 75.5 55.8 83.6
 138 131.7 91.2 136.8



#48
 Acenaphthylene
 Concen: 42.66 ng
 RT: 9.675 min Scan# 1290
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion: 152 Resp: 708426
 Ion Ratio Lower Upper
 152 100
 151 20.0 16.3 24.5
 153 12.7 10.7 16.1

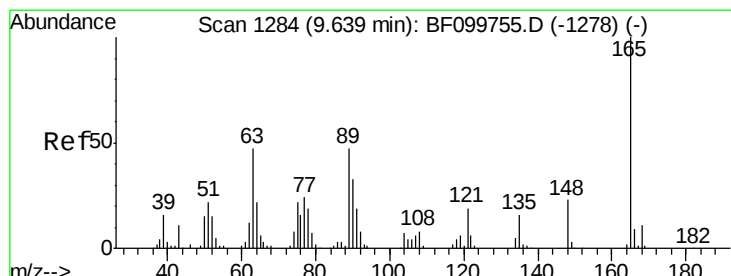
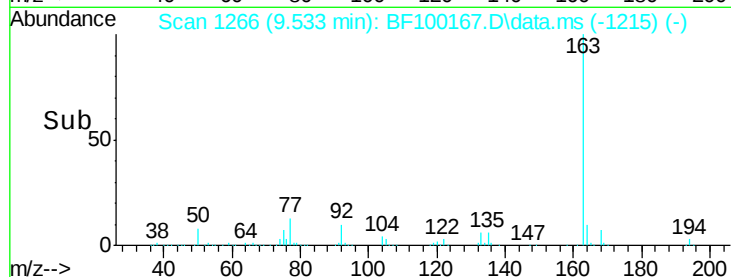
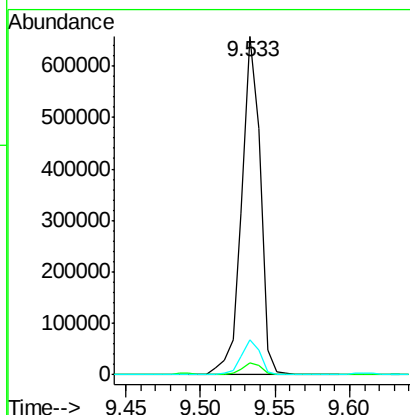
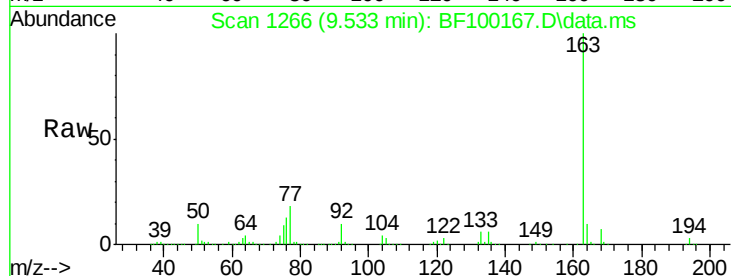




#49
Dimethylphthalate
Concen: 43.91 ng
RT: 9.533 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

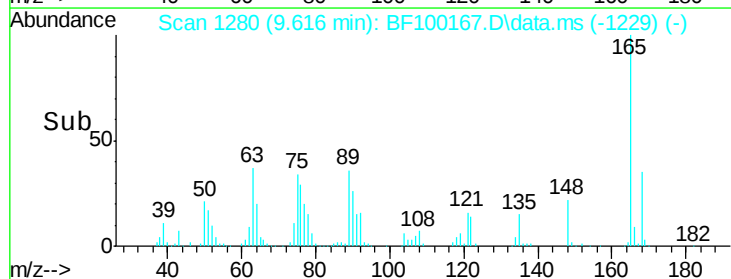
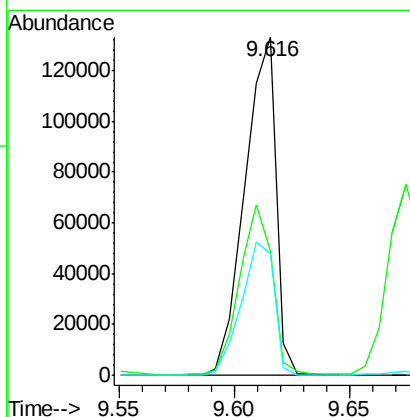
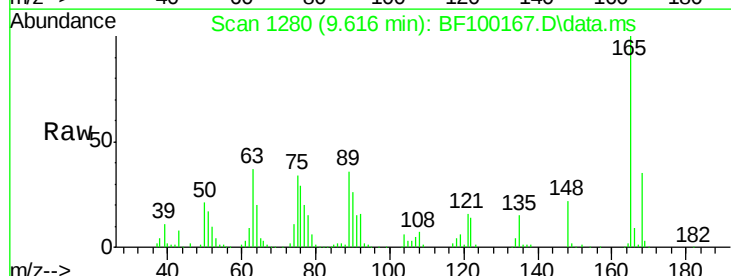
Instrument :
BNA_F
ClientSampleId :
RLF-GW-9SMS

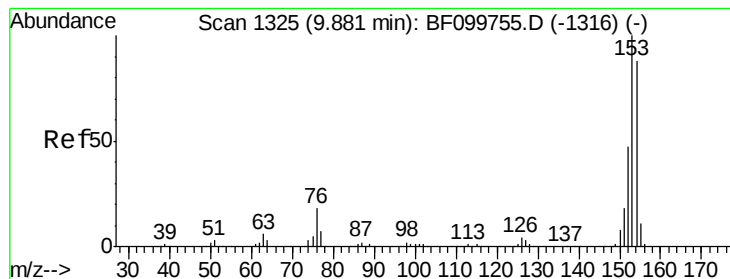
Tot Ion:163 Resp: 570688
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.2 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 46.10 ng
RT: 9.616 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

Tgt Ion:165 Resp: 125937
Ion Ratio Lower Upper
165 100
63 36.9 44.7 67.1#
89 36.1 44.0 66.0#





#51

Acenaphthene

Concen: 42.22 ng

RT: 9.845 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

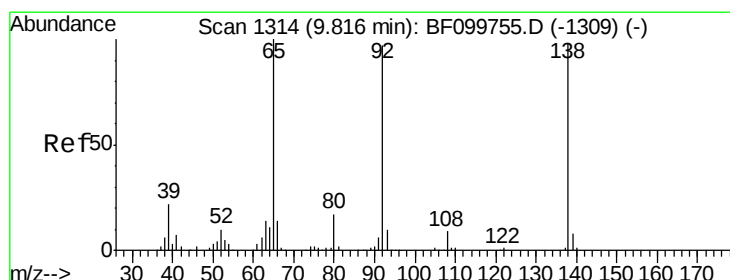
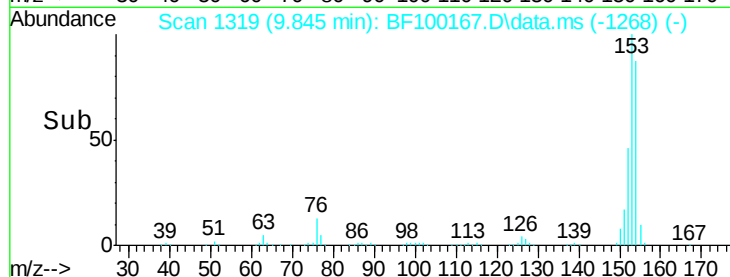
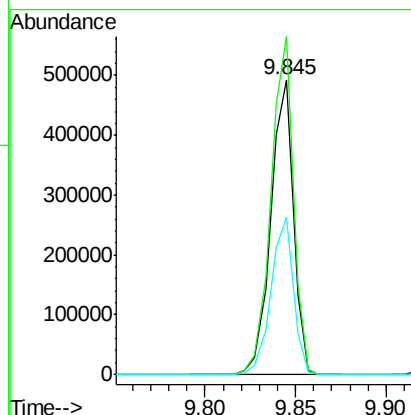
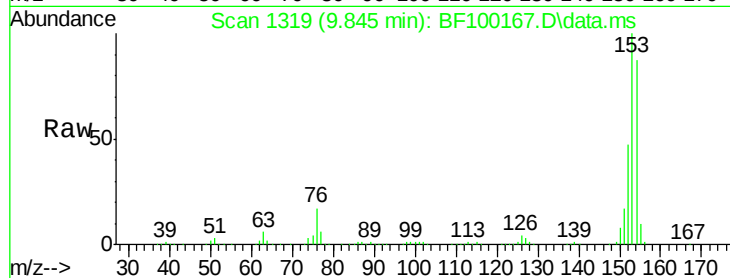
Tot Ion:154 Resp: 428386

Ion Ratio Lower Upper

154 100

153 114.7 91.2 136.8

152 53.4 43.8 65.8



#52

3-Nitroaniline

Concen: 24.36 ng

RT: 9.786 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

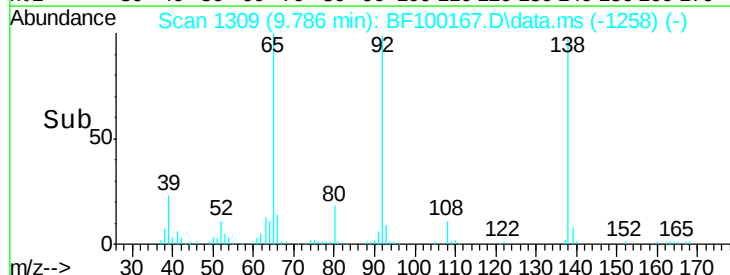
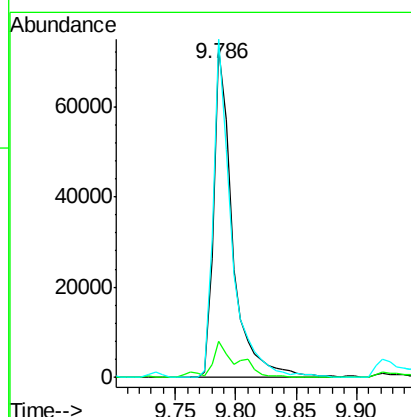
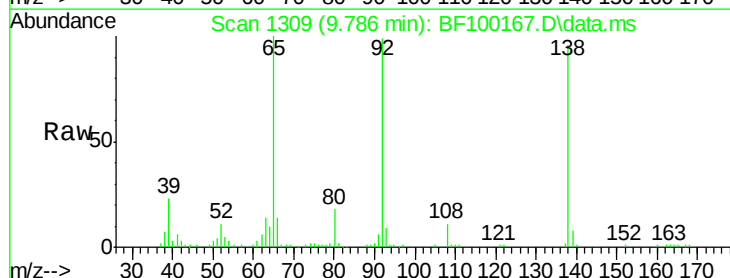
Tgt Ion:138 Resp: 78426

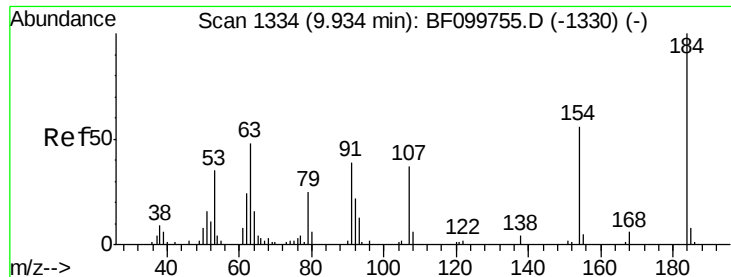
Ion Ratio Lower Upper

138 100

108 11.0 9.4 14.0

92 102.7 89.4 134.2





#53

2,4-Dinitrophenol

Concen: 37.18 ng

RT: 9.922 min Scan# 1334

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

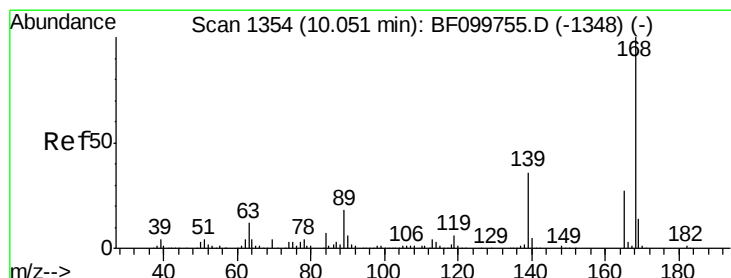
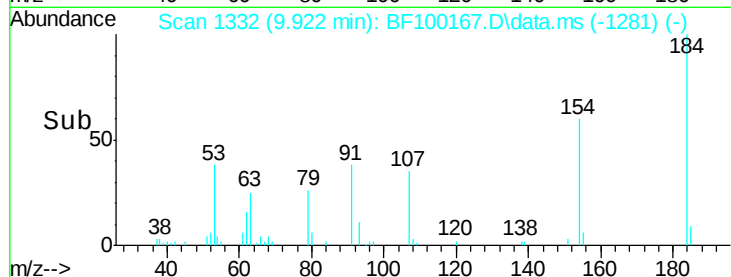
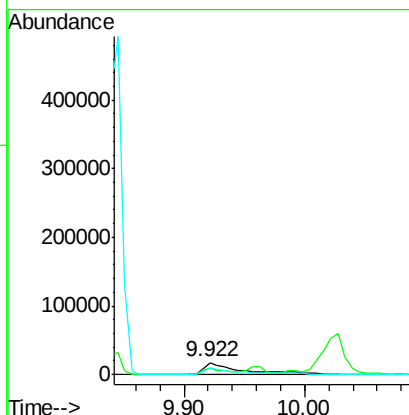
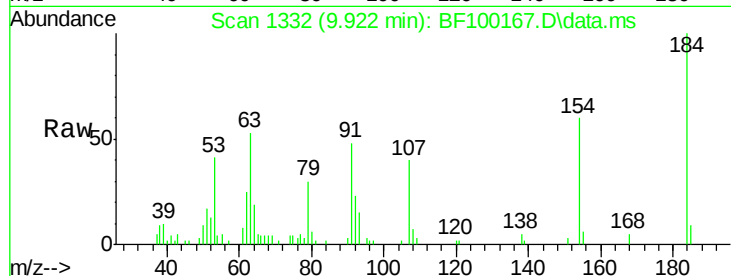
Tot Ion:184 Resp: 36518

Ion Ratio Lower Upper

184 100

63 53.5 54.2 81.2#

154 60.0 53.5 80.3



#54

Dibenzofuran

Concen: 45.15 ng

RT: 10.016 min Scan# 1348

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

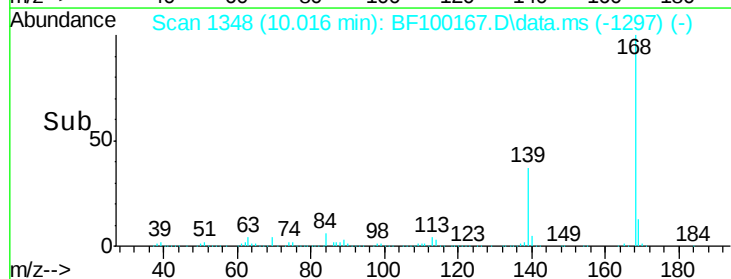
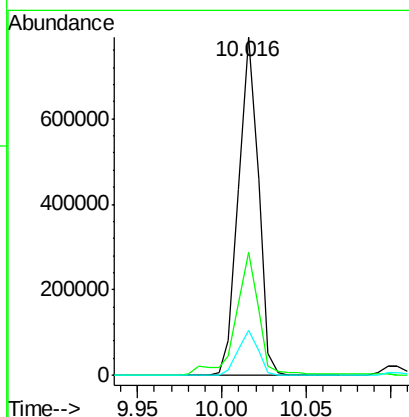
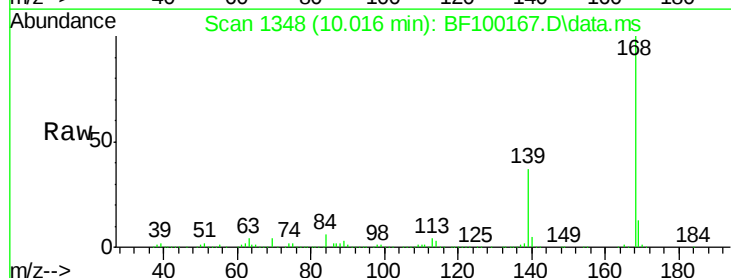
Tgt Ion:168 Resp: 646643

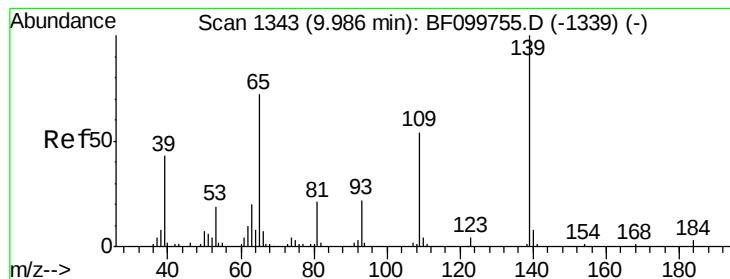
Ion Ratio Lower Upper

168 100

139 36.6 30.1 45.1

169 13.4 10.9 16.3





#55

4-Nitrophenol

Concen: 166.89 ng

RT: 10.016 min Scan# 1343

Delta R.T. 0.041 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

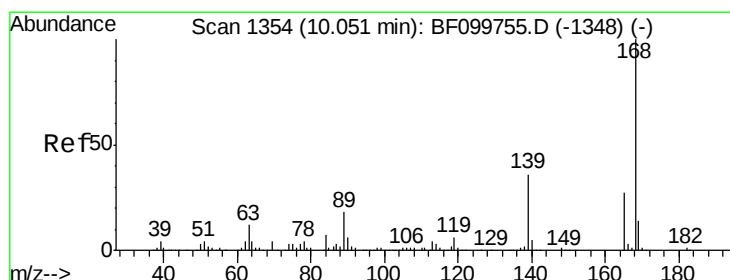
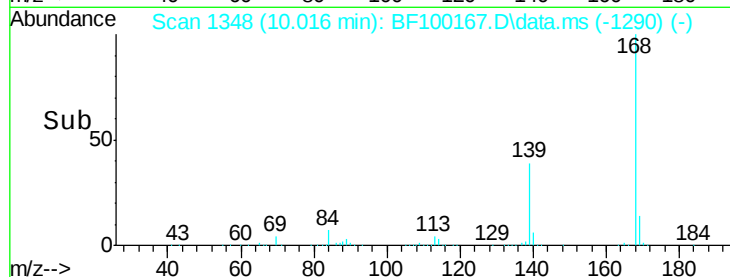
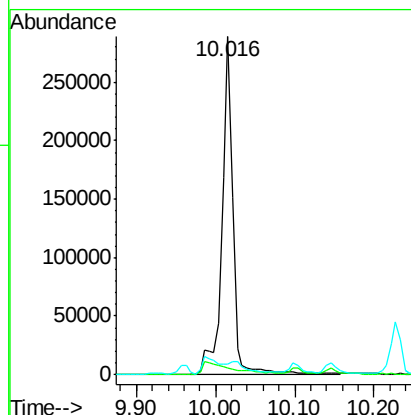
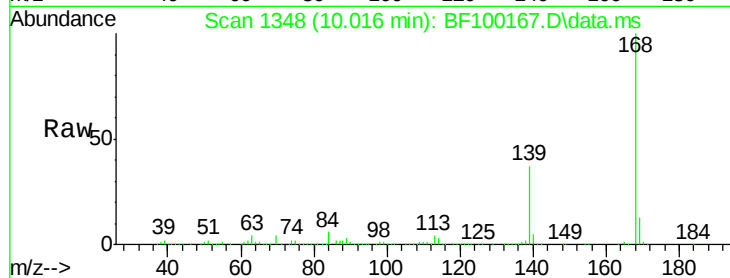
Tot Ion:139 Resp: 280700

Ion Ratio Lower Upper

139 100

109 2.1 48.4 88.4#

65 3.2 72.6 112.6#



#56

2,4-Dinitrotoluene

Concen: 48.78 ng

RT: 10.027 min Scan# 1350

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Tgt Ion:165 Resp: 160502

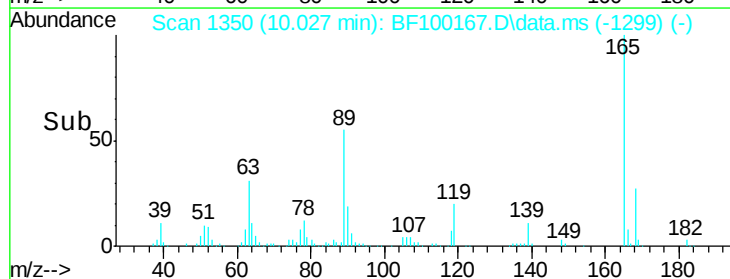
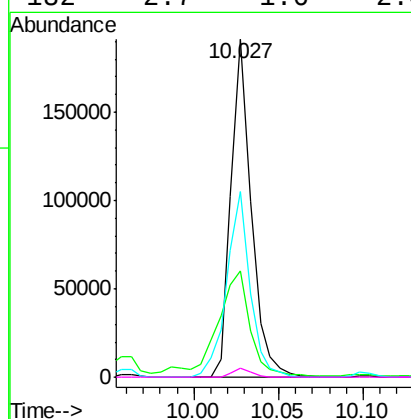
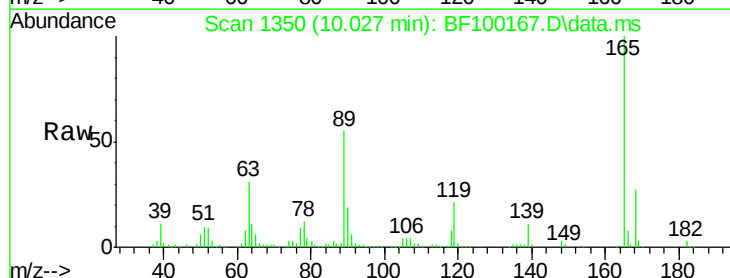
Ion Ratio Lower Upper

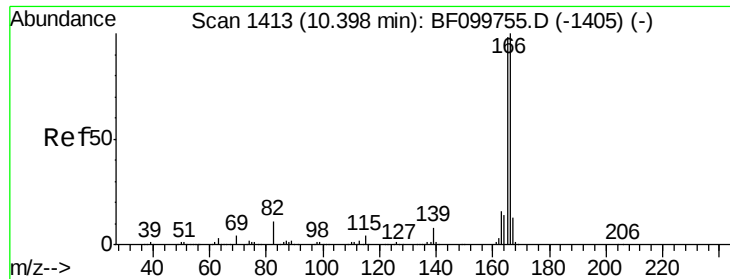
165 100

63 31.5 36.4 54.6#

89 55.1 57.8 86.6#

182 2.7 1.6 2.4#

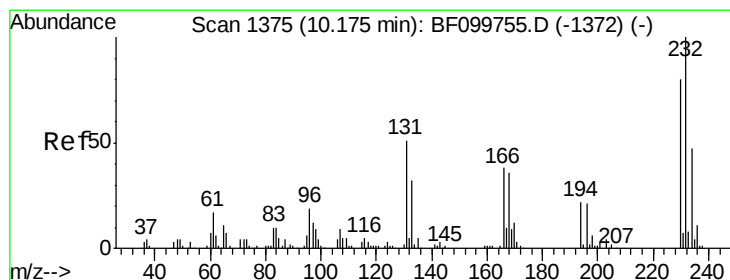
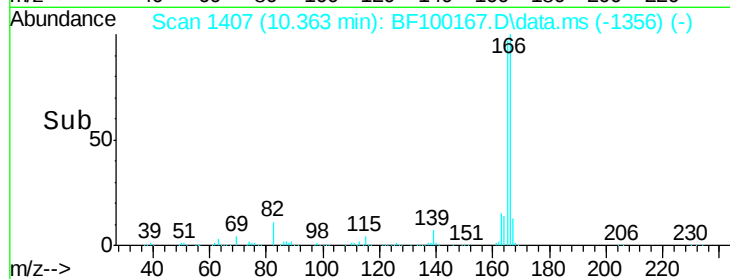
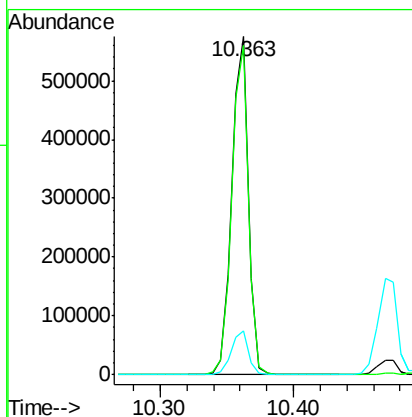
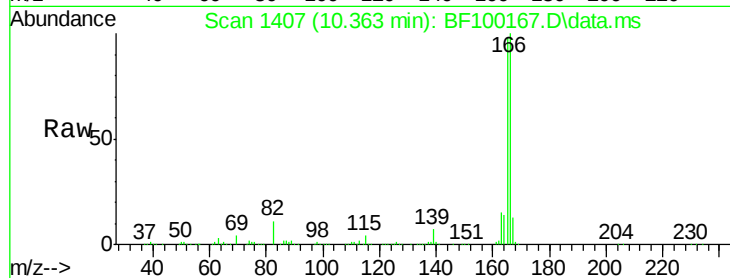




#57
 Fluorene
 Concen: 42.70 ng
 RT: 10.363 min Scan# 1413
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

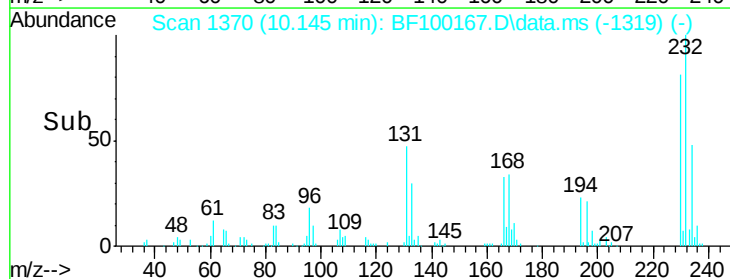
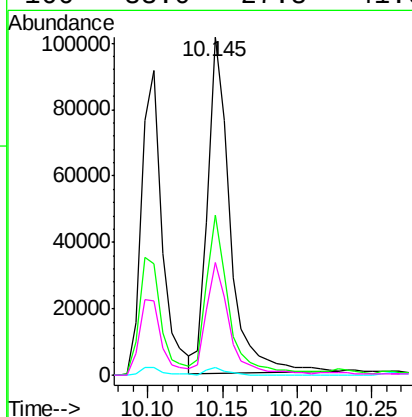
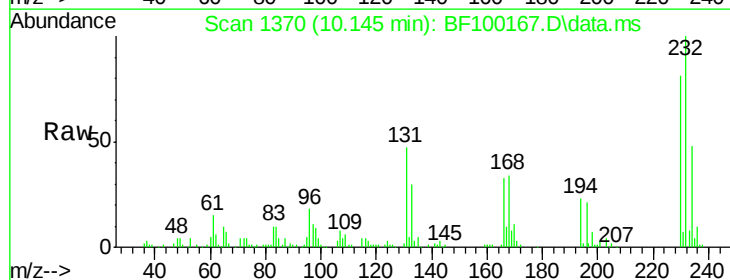
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

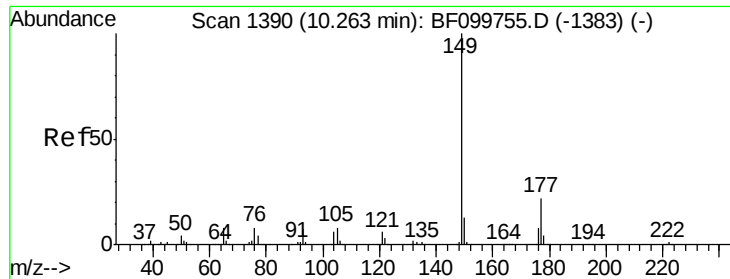
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.8	119.8
167	12.9	10.6	16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 44.11 ng
 RT: 10.145 min Scan# 1370
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion	Ratio	Lower	Upper
232	100		
131	45.0	43.8	65.8
130	2.2	2.1	3.1
166	33.0	27.8	41.6





#59

Diethylphthalate

Concen: 42.91 ng

RT: 10.227 min Scan# 13

Delta R.T. -0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

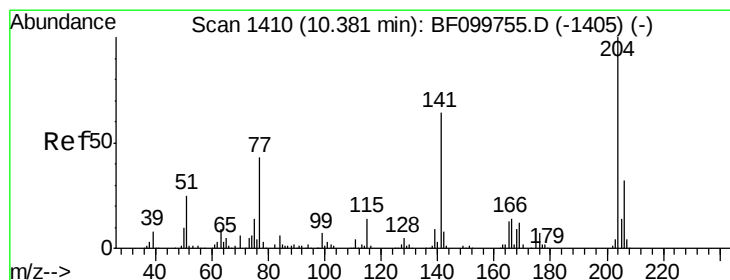
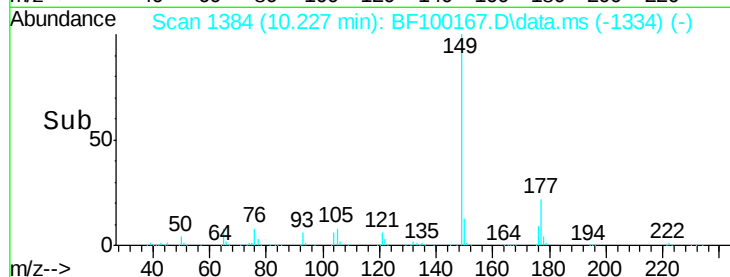
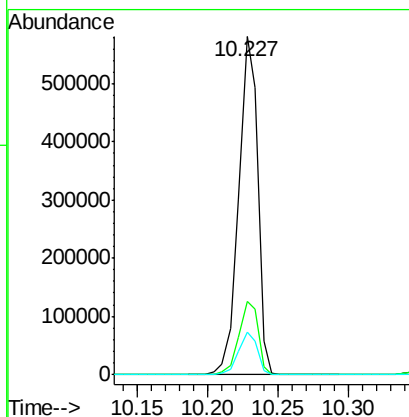
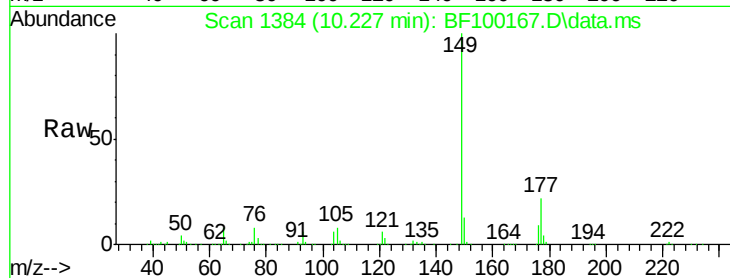
Tot Ion:149 Resp: 544628

Ion Ratio Lower Upper

149 100

177 21.7 16.1 24.1

150 12.7 10.1 15.1



#60

4-Chlorophenyl-phenylether

Concen: 42.33 ng

RT: 10.345 min Scan# 1404

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

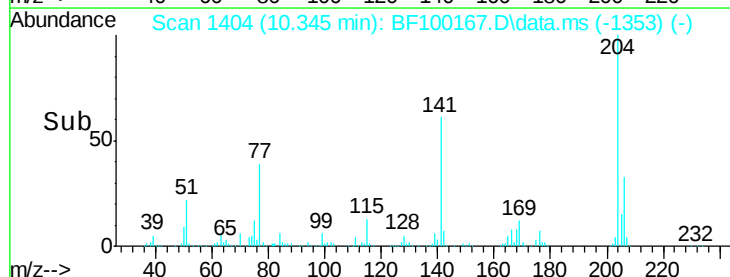
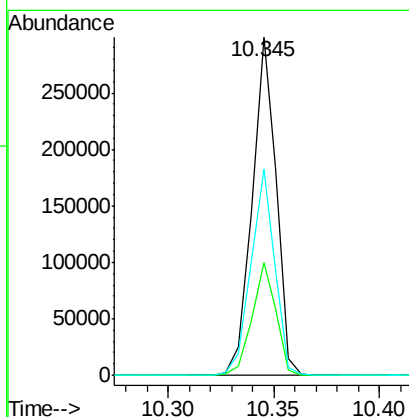
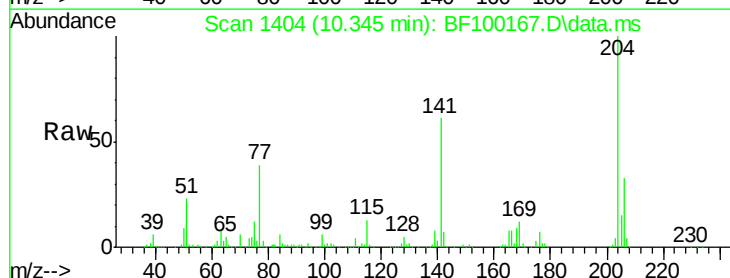
Tgt Ion:204 Resp: 236243

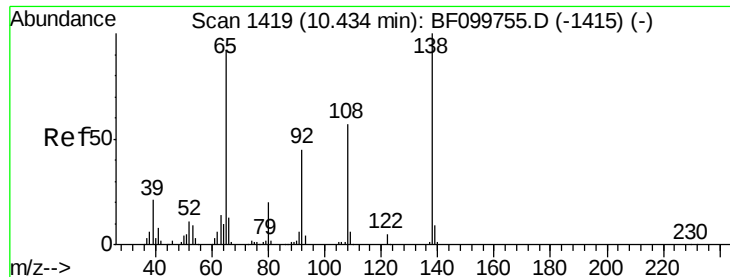
Ion Ratio Lower Upper

204 100

206 33.3 26.5 39.7

141 61.2 54.6 81.8

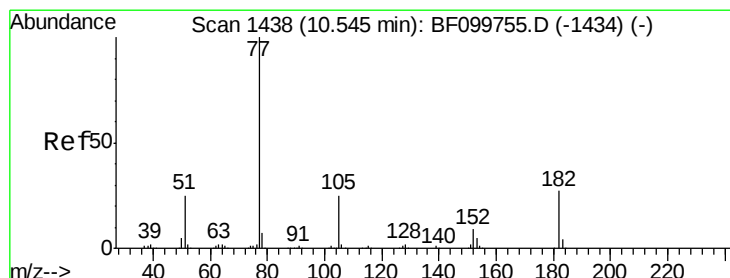
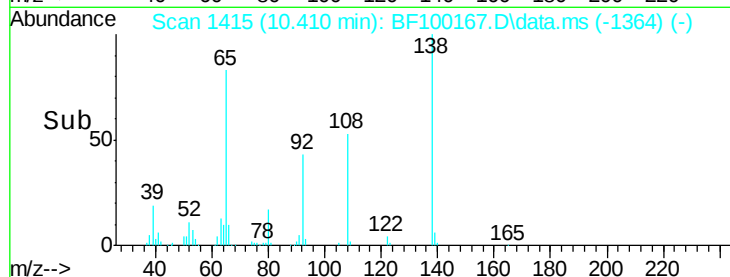
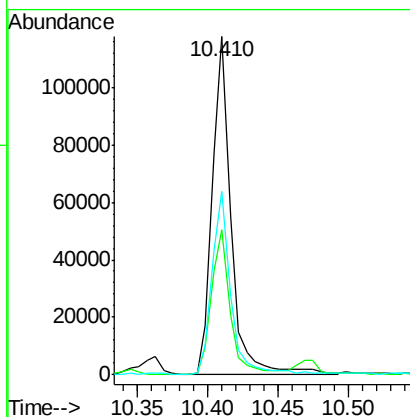
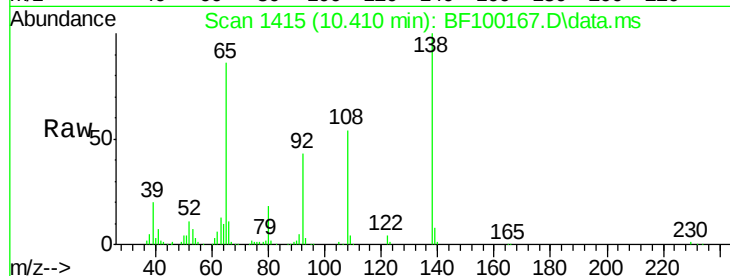




#61
4-Nitroaniline
Concen: 35.92 ng
RT: 10.410 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

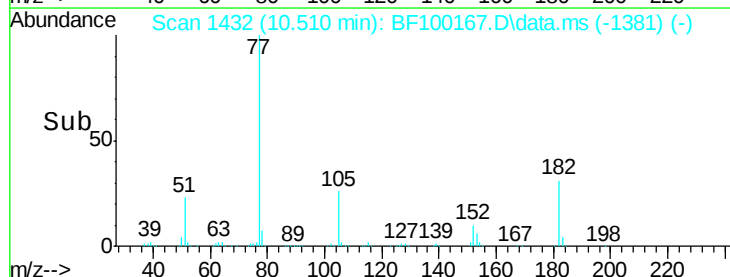
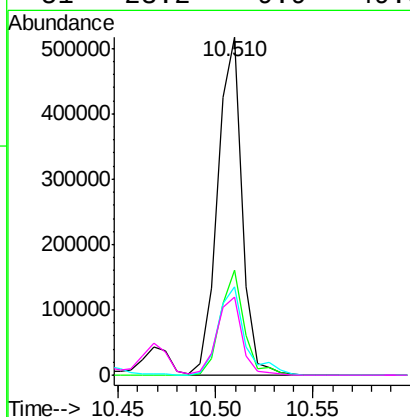
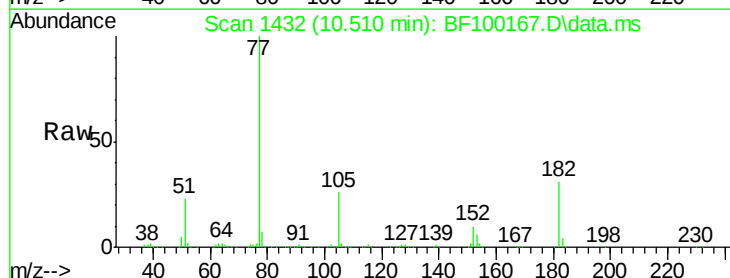
Instrument :
BNA_F
ClientSampleId :
RLF-GW-9SMS

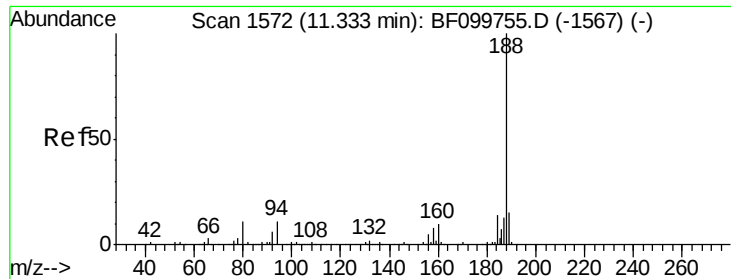
Tot Ion:138 Resp: 110315
Ion Ratio Lower Upper
138 100
92 42.7 30.2 70.2
108 54.1 52.5 92.5



#62
Azobenzene
Concen: 41.77 ng
RT: 10.510 min Scan# 1432
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

Tgt Ion: 77 Resp: 444415
Ion Ratio Lower Upper
77 100
182 31.1 1.7 41.7
105 26.3 3.0 43.0
51 23.2 9.9 49.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.298 min Scan# 15

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

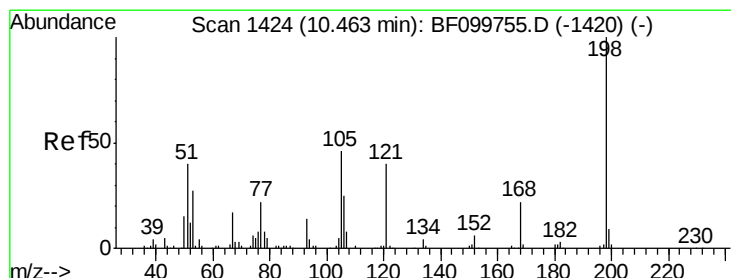
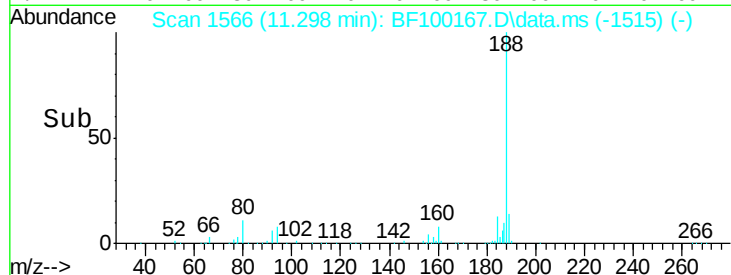
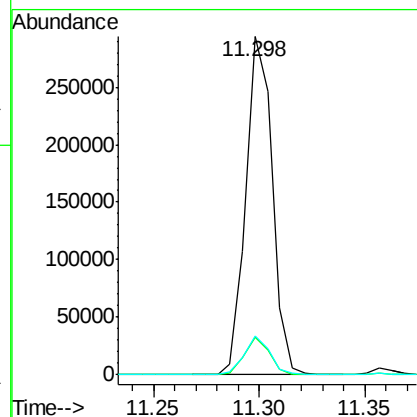
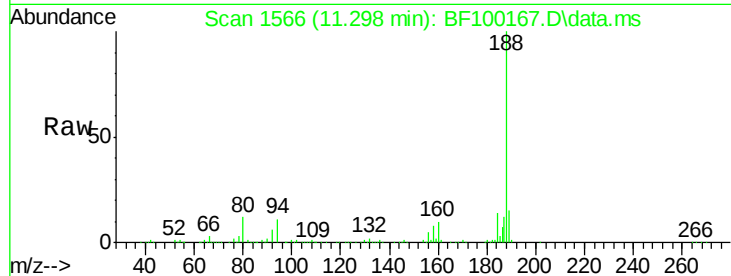
Tot Ion:188 Resp: 255042

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

80 11.6 9.2 13.8



#64

4,6-Dinitro-2-methylphenol

Concen: 20.73 ng

RT: 10.445 min Scan# 1421

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

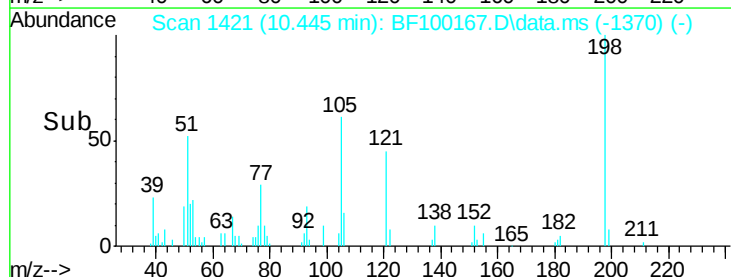
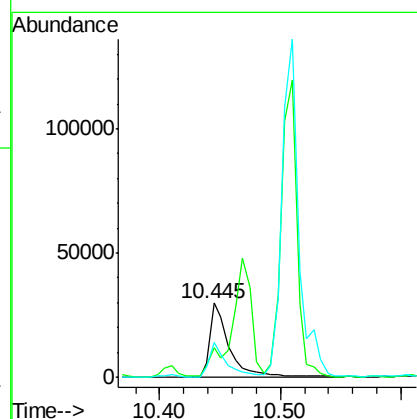
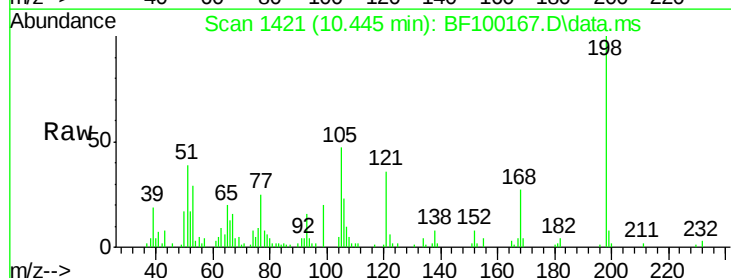
Tgt Ion:198 Resp: 33229

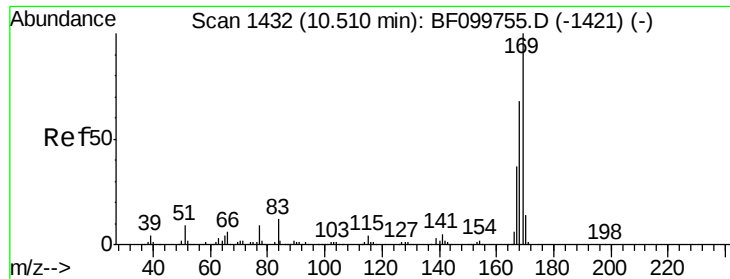
Ion Ratio Lower Upper

198 100

51 39.3 37.7 77.7

105 46.6 36.3 76.3

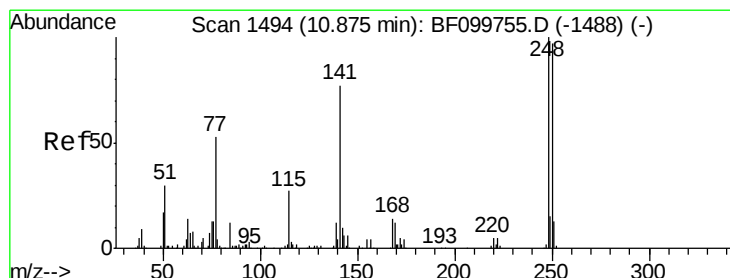
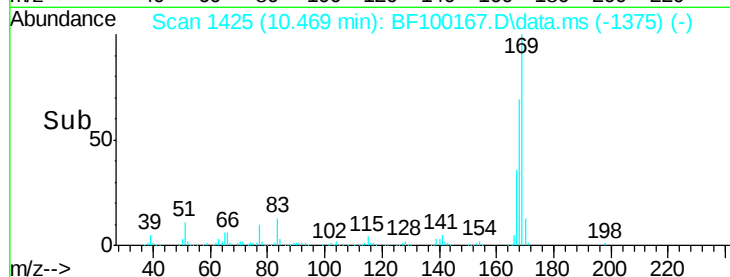
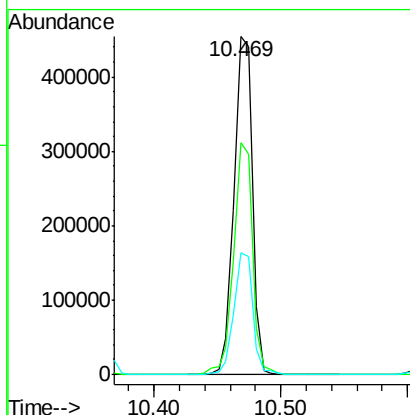
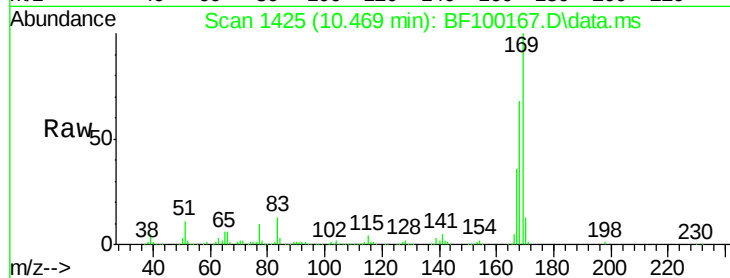




#65
n-Nitrosodiphenylamine
Concen: 47.82 ng
RT: 10.469 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

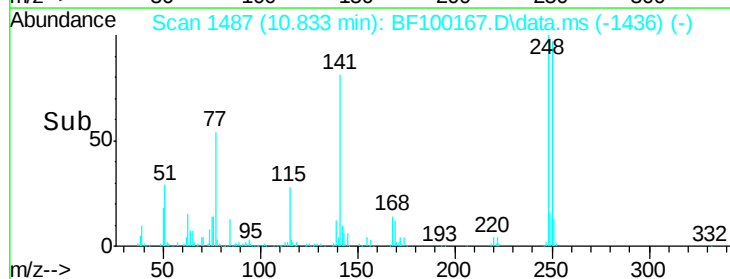
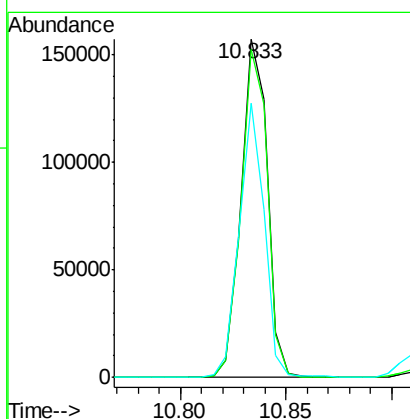
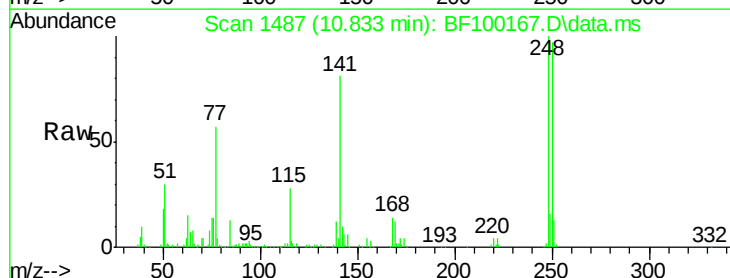
Instrument :
BNA_F
ClientSampleId :
RLF-GW-9SMS

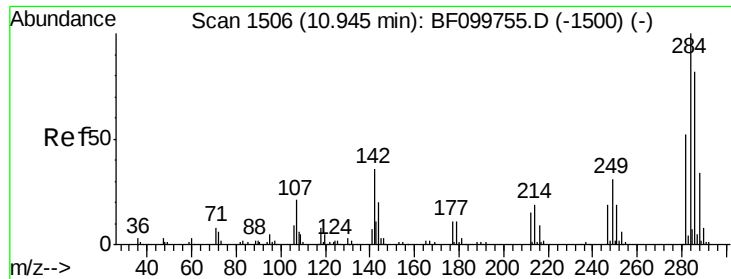
Tot Ion	Ratio	Lower	Upper
169	100		
168	68.4	54.4	81.6
167	35.8	29.8	44.6



#66
4-Bromophenyl-phenylether
Concen: 50.27 ng
RT: 10.833 min Scan# 1487
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.8	76.9	115.3
141	81.0	74.4	111.6

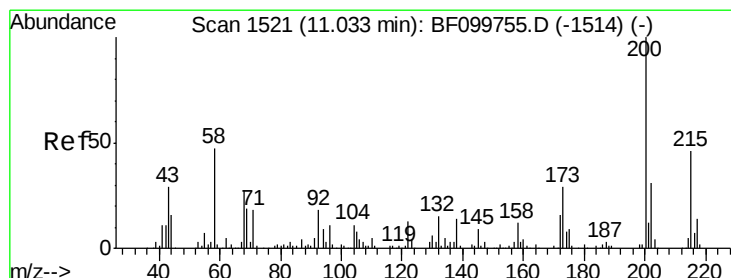
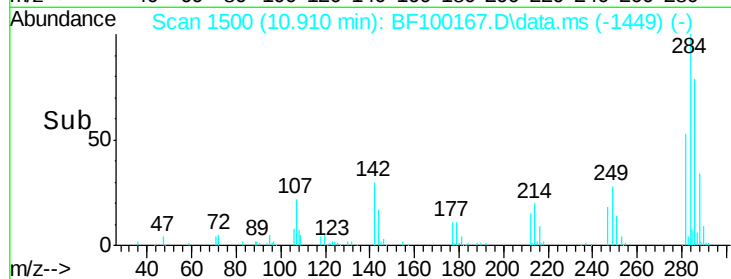
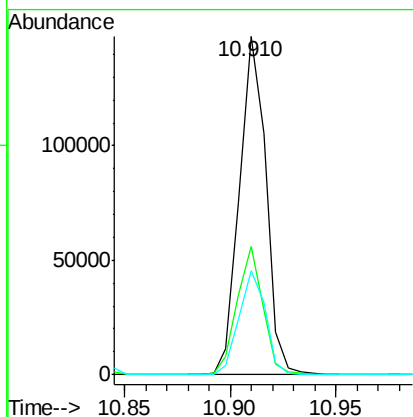
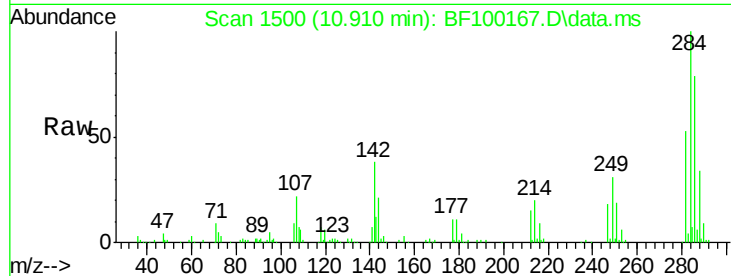




#67
Hexachlorobenzene
Concen: 46.55 ng
RT: 10.910 min Scan# 1506
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

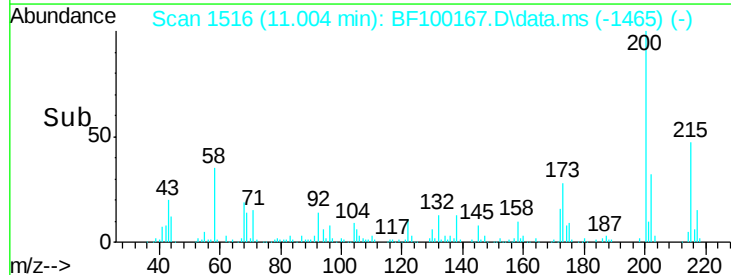
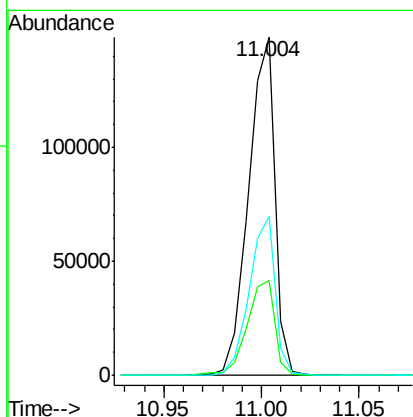
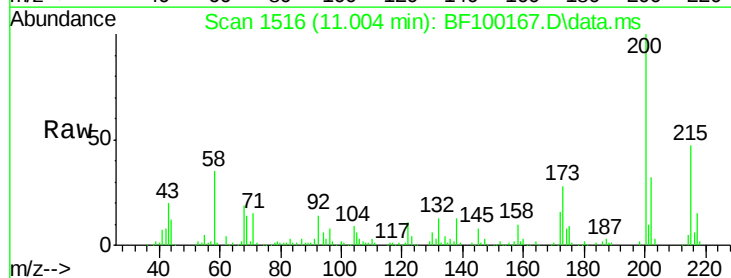
Instrument :
BNA_F
ClientSampleId :
RLF-GW-9SMS

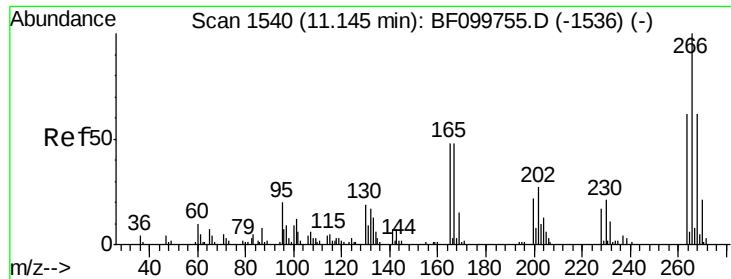
Tot Ion	Ratio	Lower	Upper
284	100		
142	38.0	34.6	52.0
249	30.7	24.8	37.2



#68
Atrazine
Concen: 49.01 ng
RT: 11.004 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.6	48.6
215	46.9	25.1	65.1

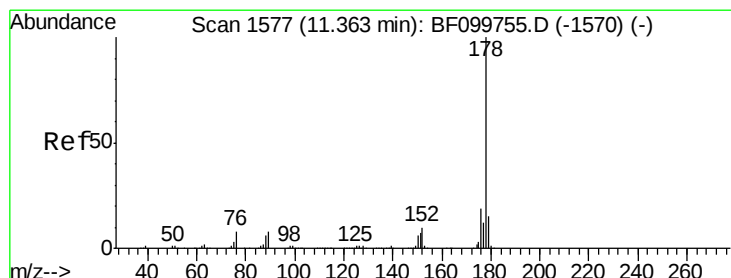
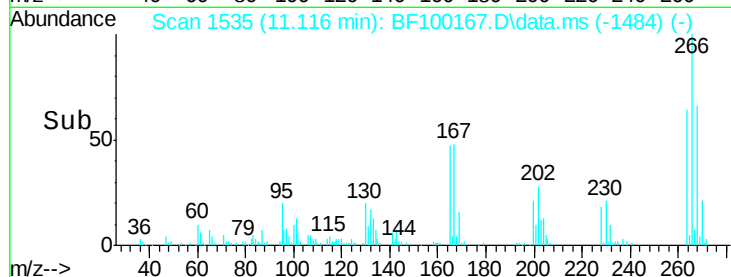
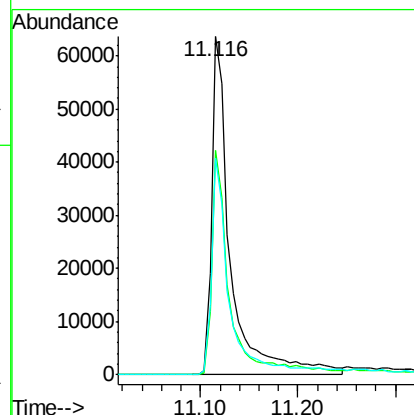
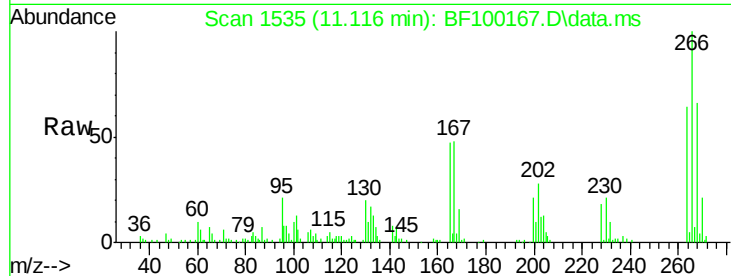




#69
 Pentachlorophenol
 Concen: 72.33 ng
 RT: 11.116 min Scan# 1540
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

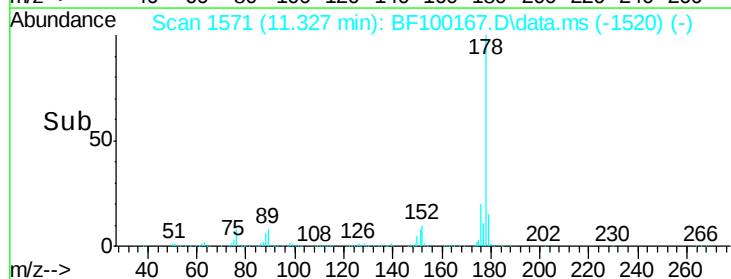
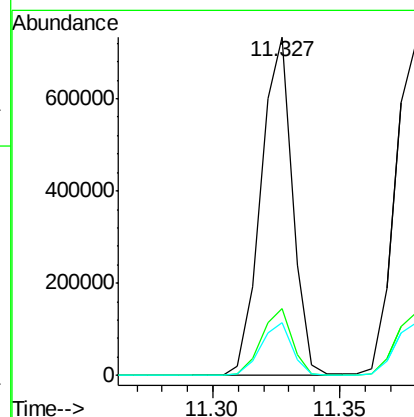
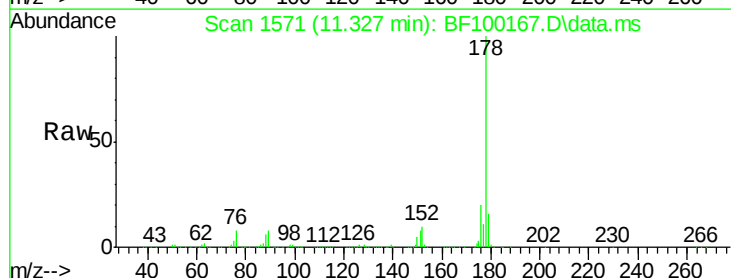
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

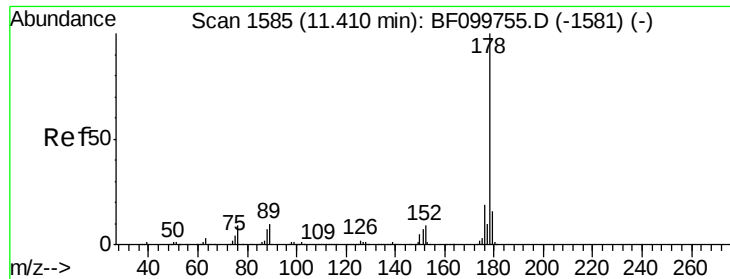
Tot Ion:266 Resp: 84897
 Ion Ratio Lower Upper
 266 100
 268 66.5 51.1 76.7
 264 64.1 49.5 74.3



#70
 Phenanthrene
 Concen: 44.53 ng
 RT: 11.327 min Scan# 1571
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion:178 Resp: 640868
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.5 13.0 19.6

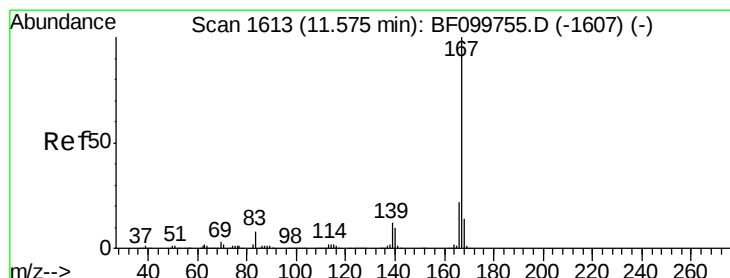
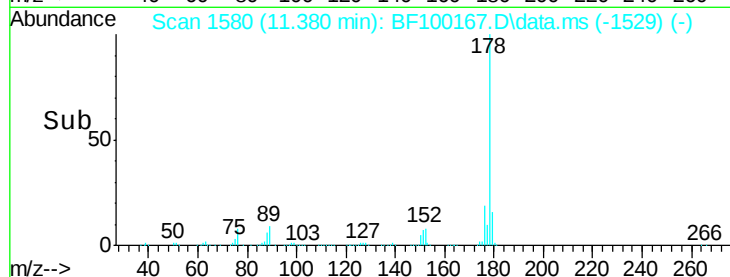
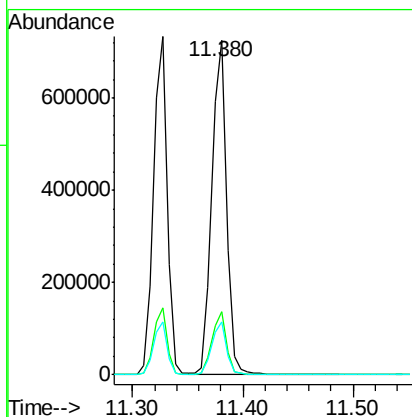
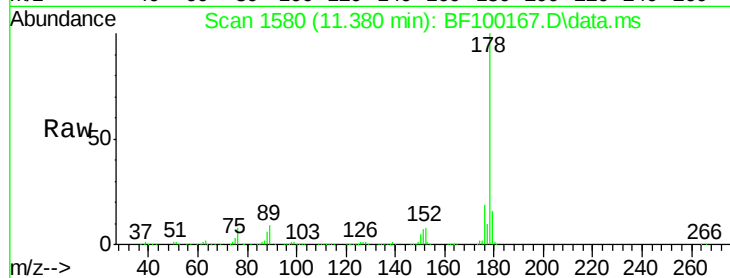




#71
 Anthracene
 Concen: 44.92 ng
 RT: 11.380 min Scan# 1585
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

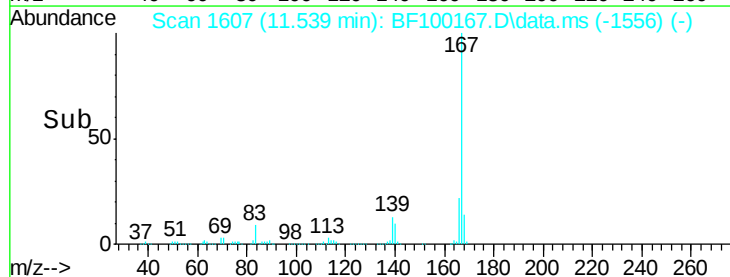
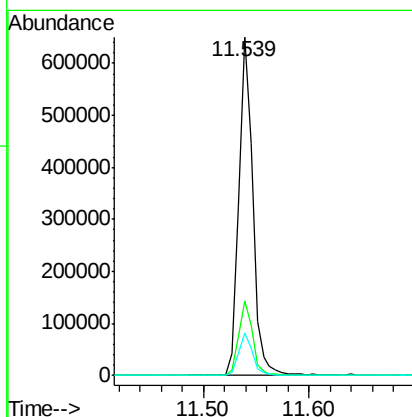
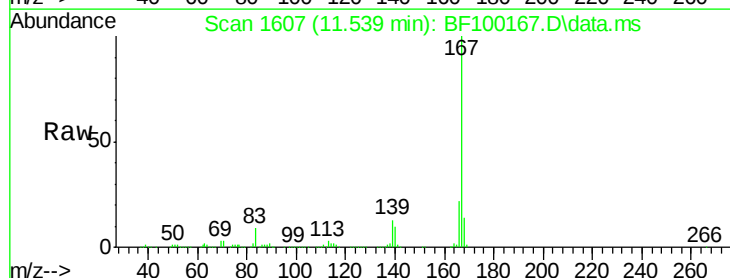
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

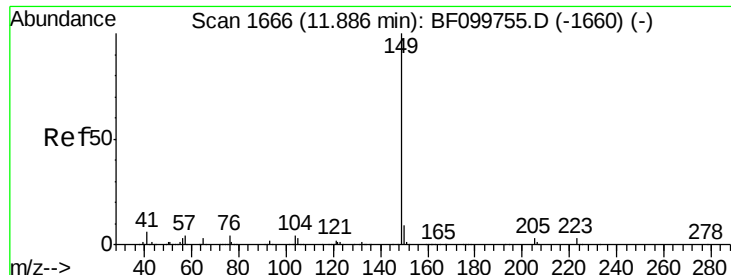
Tot Ion:178 Resp: 656264
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.7 12.6 19.0



#72
 Carbazole
 Concen: 42.48 ng
 RT: 11.539 min Scan# 1607
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion:167 Resp: 583641
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.6 26.4
 139 12.6 10.9 16.3

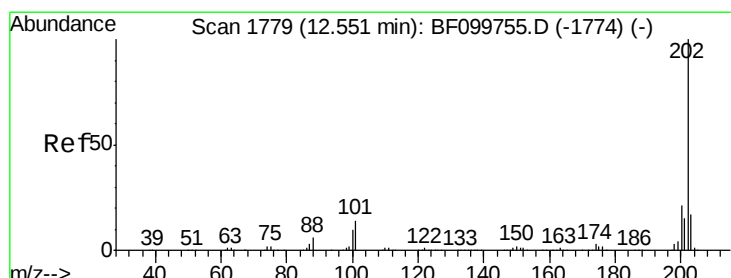
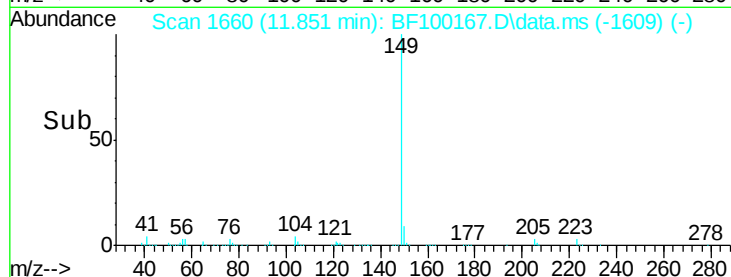
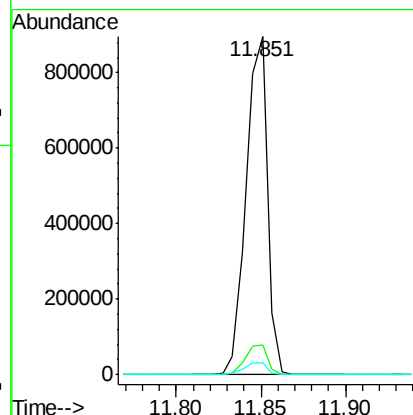
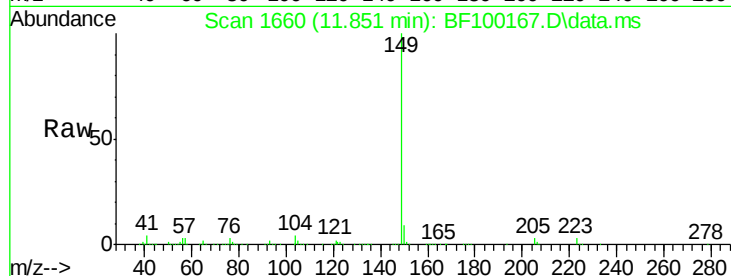




#73
Di-n-butylphthalate
Concen: 45.19 ng
RT: 11.851 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

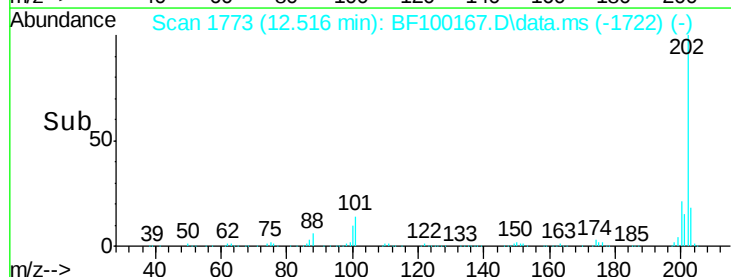
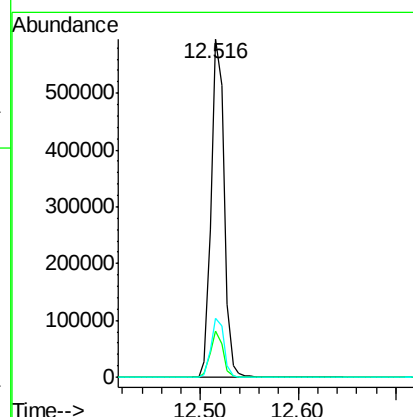
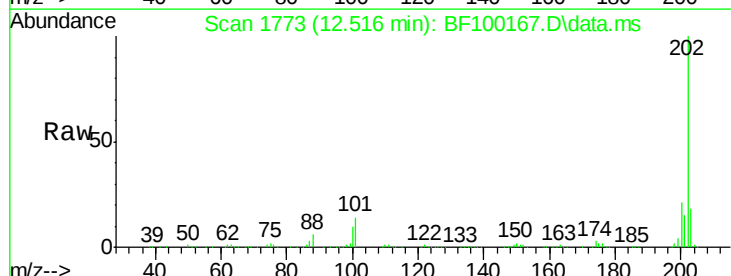
Instrument :
BNA_F
ClientSampleId :
RLF-GW-9SMS

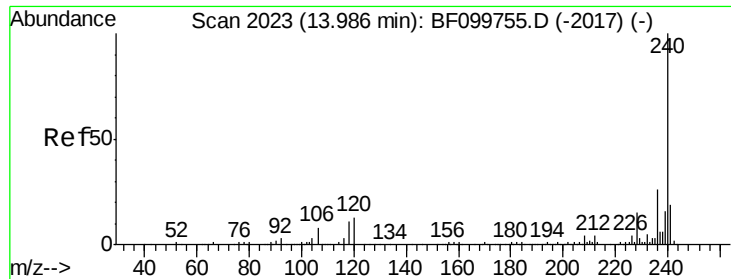
Tot Ion:149 Resp: 791938
Ion Ratio Lower Upper
149 100
150 8.8 7.8 11.6
104 3.6 3.8 5.8#



#74
Fluoranthene
Concen: 37.04 ng
RT: 12.516 min Scan# 1773
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

Tgt Ion:202 Resp: 553979
Ion Ratio Lower Upper
202 100
101 13.5 0.0 34.1
203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.951 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

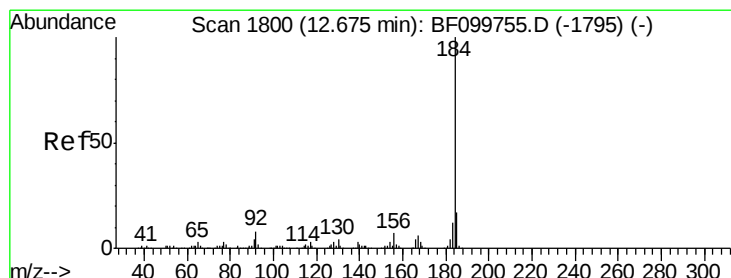
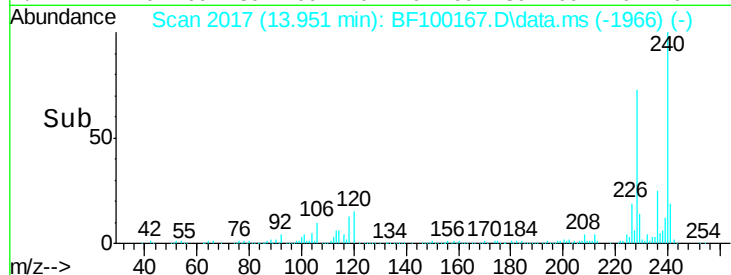
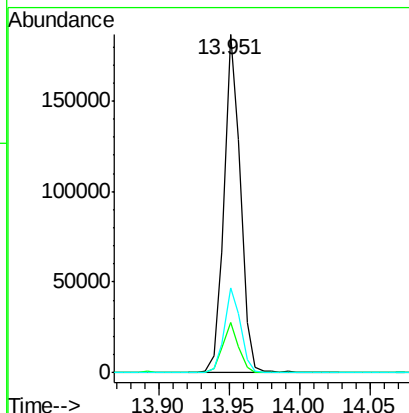
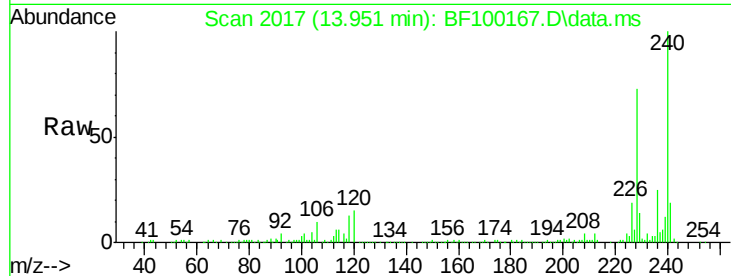
Tot Ion:240 Resp: 150631

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

236 25.1 20.7 31.1



#76

Benzidine

Concen: 5.53 ng

RT: 12.651 min Scan# 1796

Delta R.T. 0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

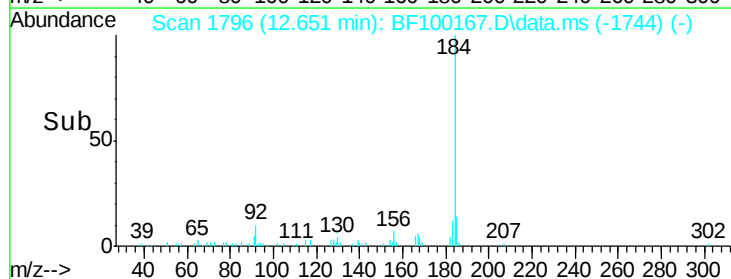
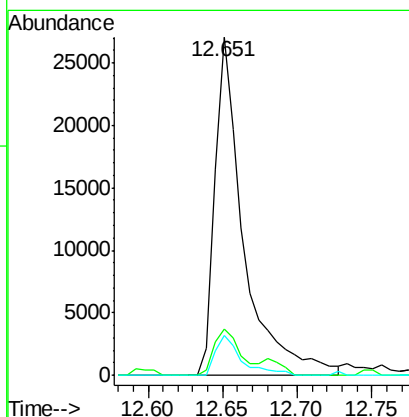
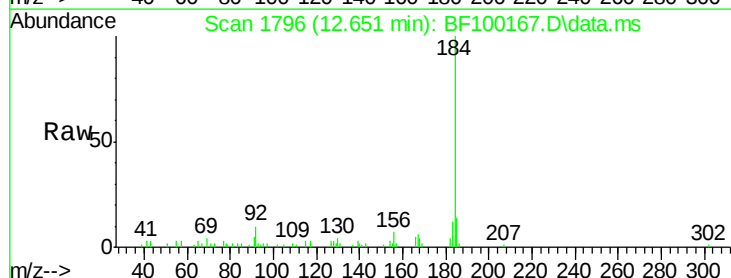
Tgt Ion:184 Resp: 36432

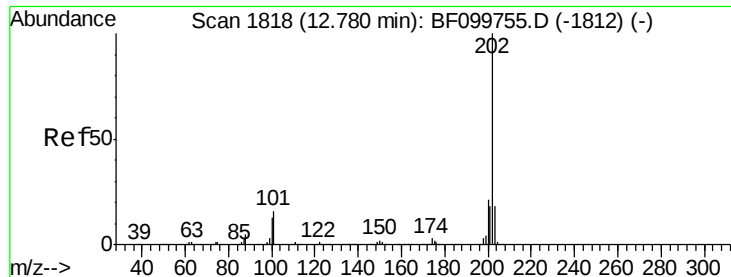
Ion Ratio Lower Upper

184 100

185 13.6 12.6 18.8

183 11.8 9.3 13.9





#77

Pvrene

Concen: 47.43 ng

RT: 12.751 min Scan# 181

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

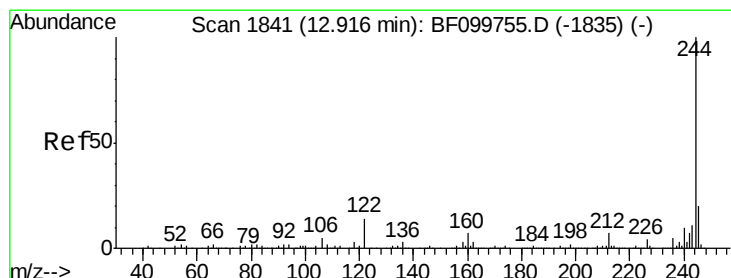
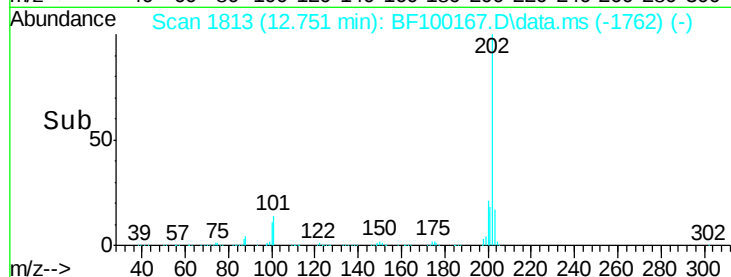
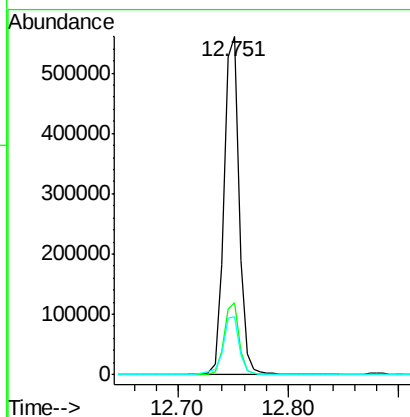
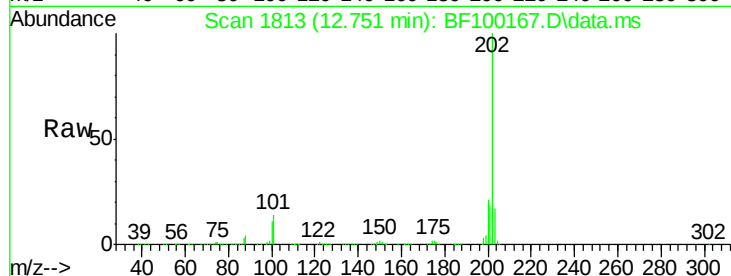
Tot Ion:202 Resp: 543206

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

203 17.1 14.3 21.5



#78

Terphenyl-d14

Concen: 100.11 ng

RT: 12.880 min Scan# 1835

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

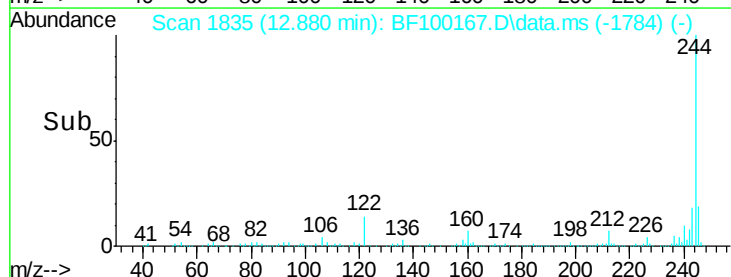
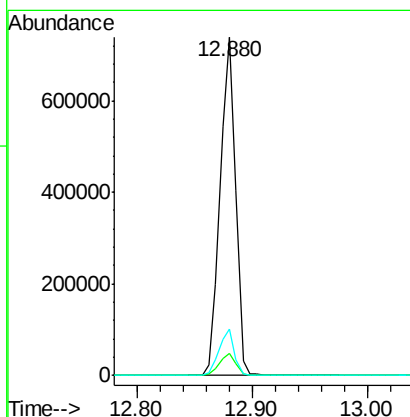
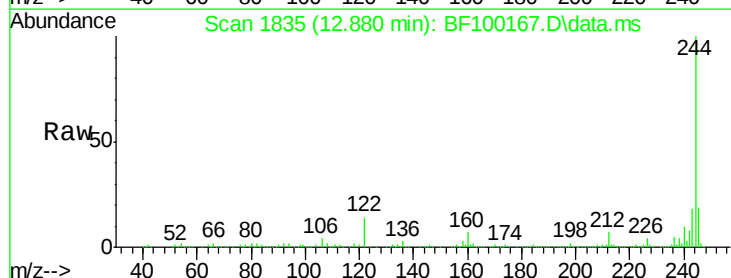
Tgt Ion:244 Resp: 690051

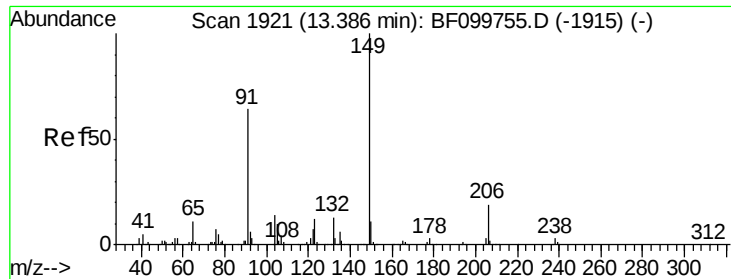
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 13.6 11.0 16.4





#79

Butylbenzylphthalate

Concen: 45.18 ng

RT: 13.345 min Scan# 1915

Delta R.T. -0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

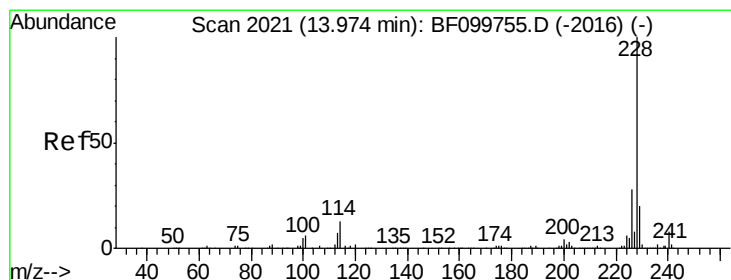
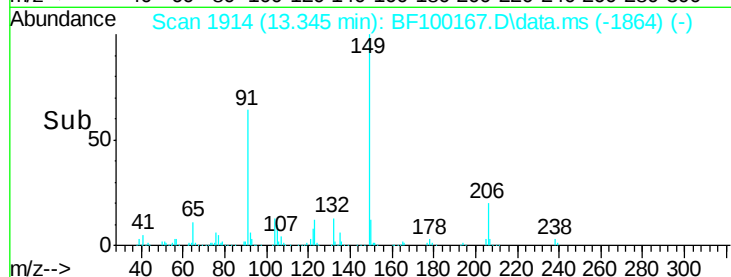
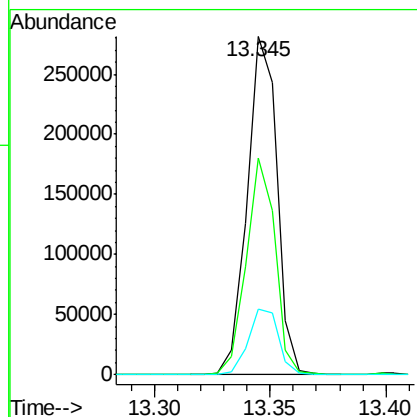
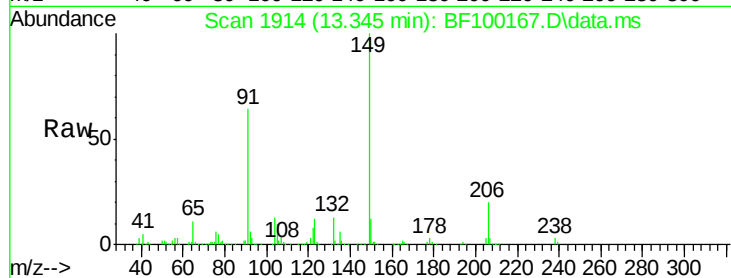
Tot Ion:149 Resp: 254853

Ion Ratio Lower Upper

149 100

91 64.2 56.8 85.2

206 19.5 14.1 21.1



#80

Benzo(a)anthracene

Concen: 44.15 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

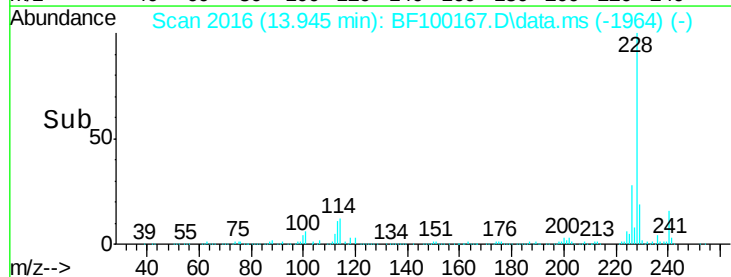
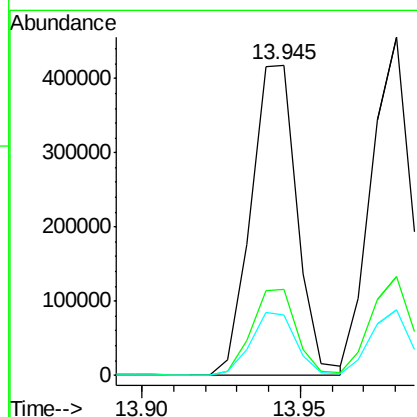
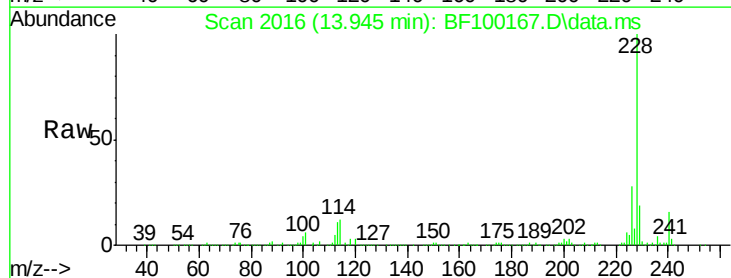
Tgt Ion:228 Resp: 421563

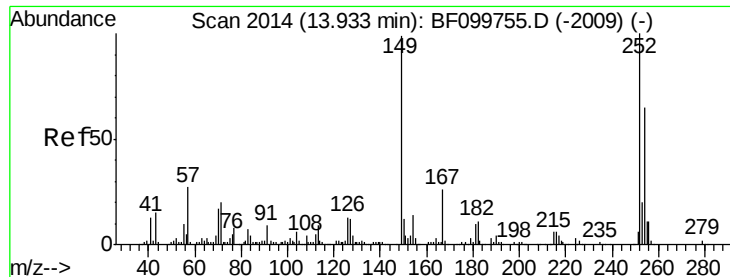
Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

229 19.5 15.8 23.6

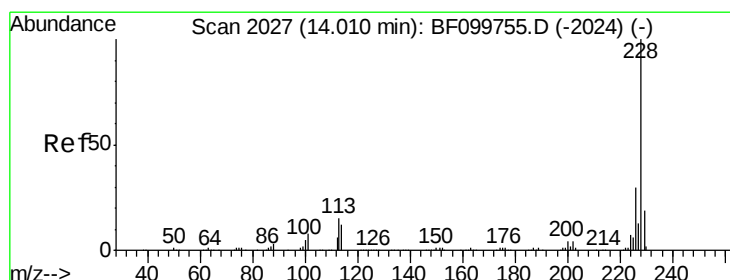
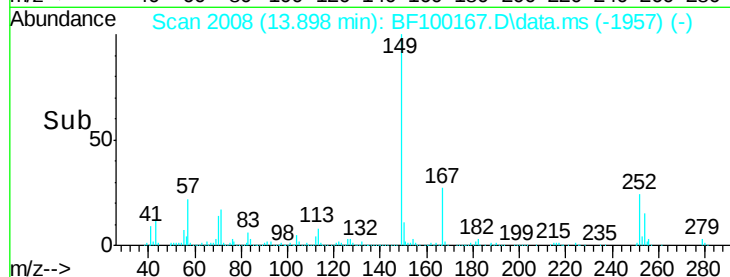
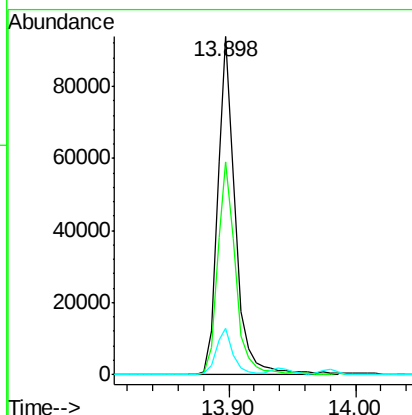
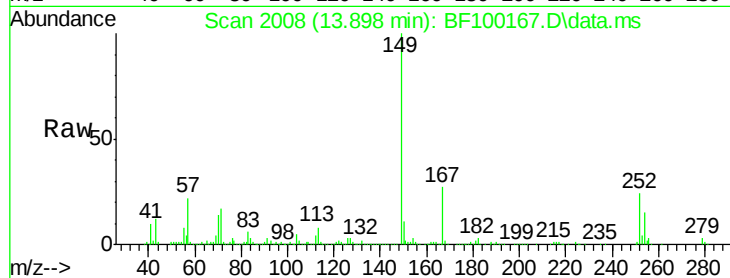




#81
 3,3'-Dichlorobenzidine
 Concen: 26.35 ng
 RT: 13.898 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

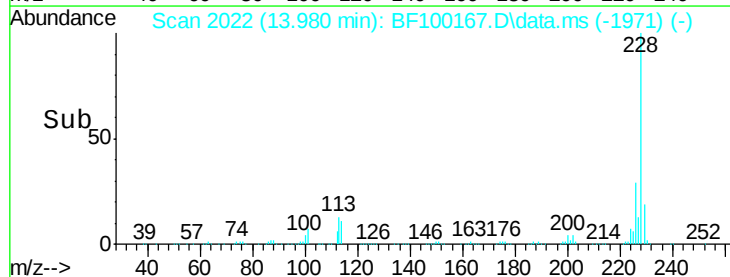
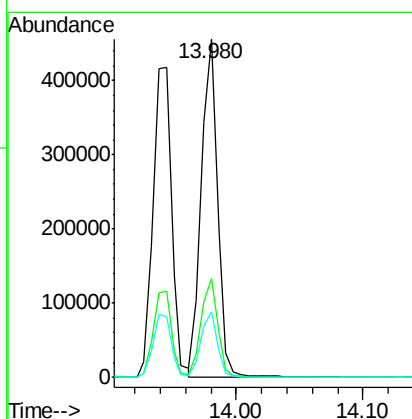
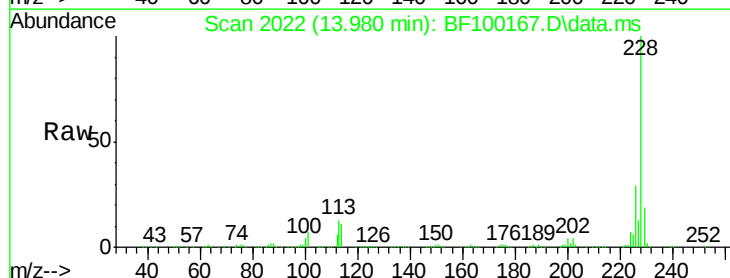
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

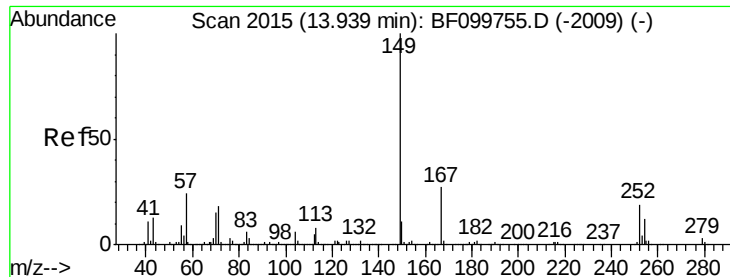
Tot Ion:252 Resp: 91330
 Ion Ratio Lower Upper
 252 100
 254 63.0 50.4 75.6
 126 13.5 11.3 16.9



#82
 Chrysene
 Concen: 45.14 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. 0.000 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion:228 Resp: 405202
 Ion Ratio Lower Upper
 228 100
 226 29.0 25.0 37.6
 229 19.3 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.22 ng

RT: 13.898 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

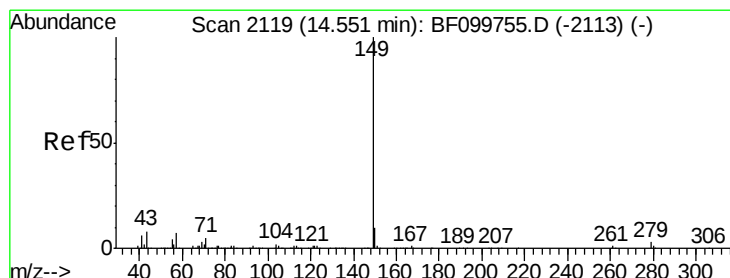
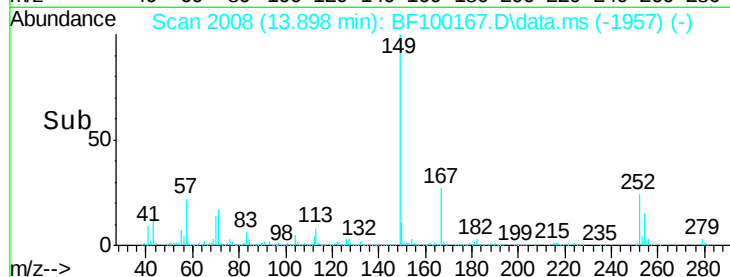
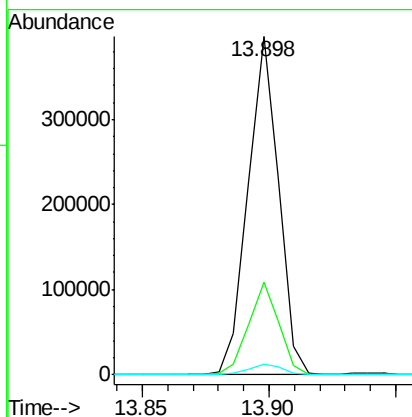
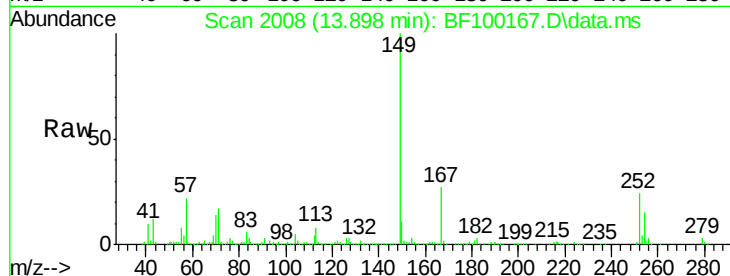
Tot Ion:149 Resp: 334400

Ion Ratio Lower Upper

149 100

167 27.5 21.3 31.9

279 3.1 3.0 4.4



#84

Di-n-octyl phthalate

Concen: 40.57 ng

RT: 14.509 min Scan# 2112

Delta R.T. 0.000 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

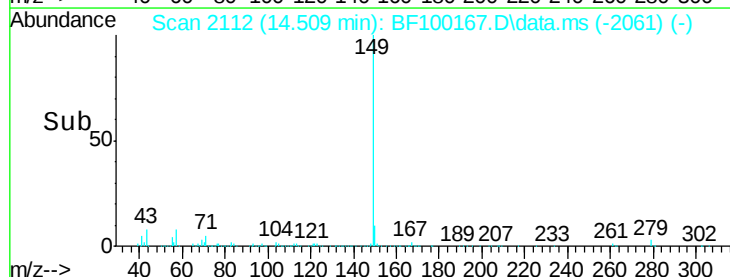
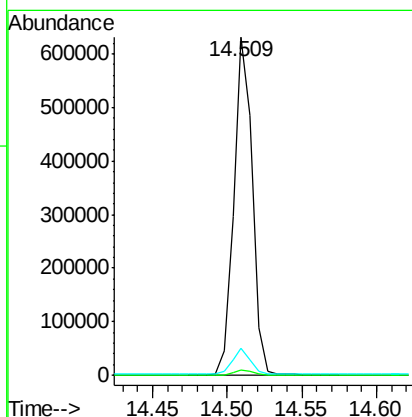
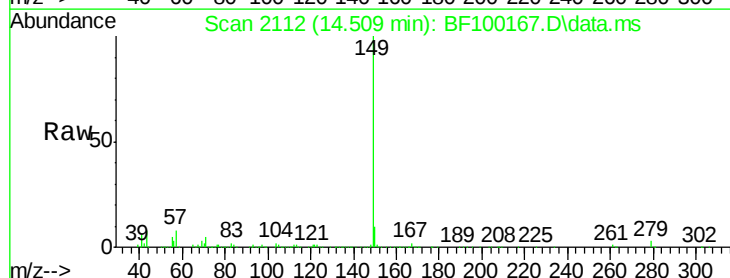
Tgt Ion:149 Resp: 551520

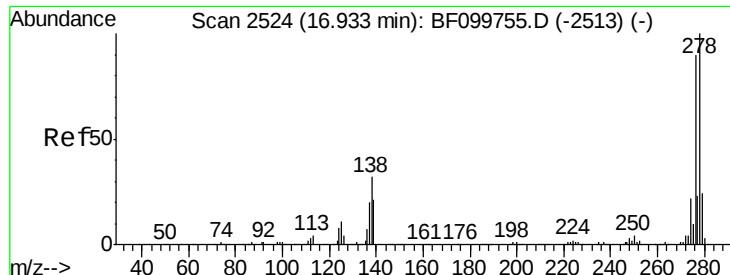
Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 7.1 8.4 12.6#

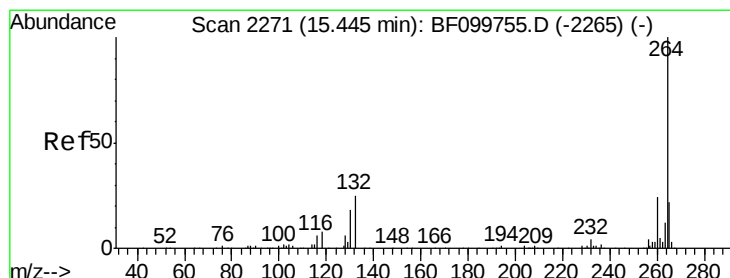
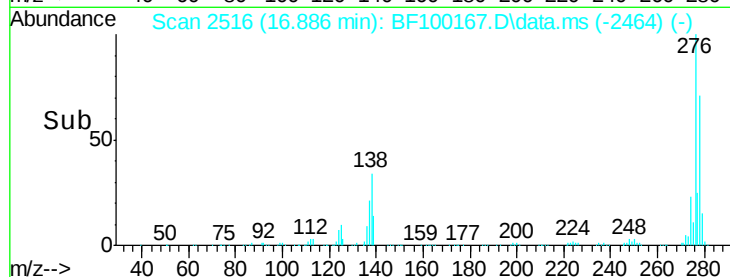
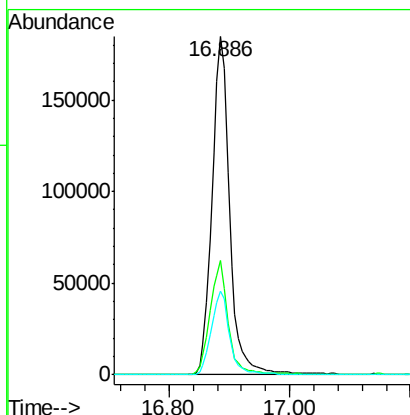
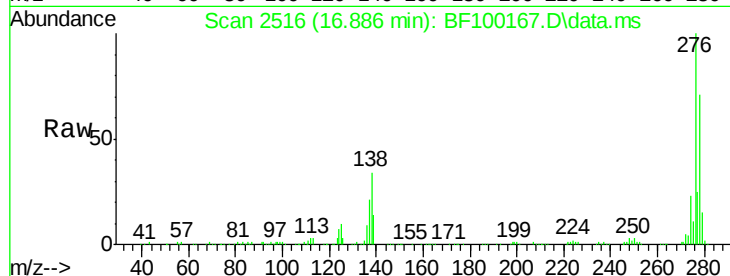




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 45.12 ng
 RT: 16.886 min Scan# 2516
 Delta R.T. 0.006 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

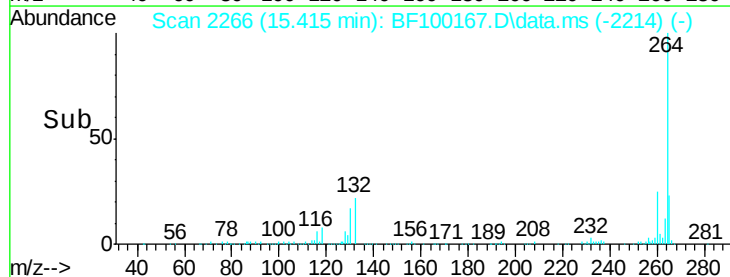
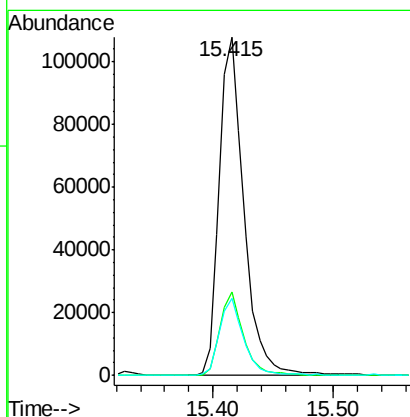
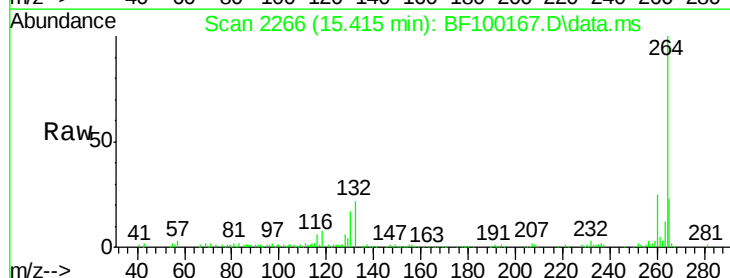
Instrument :
 BNA_F
 ClientSampleId :
 RLF-GW-9SMS

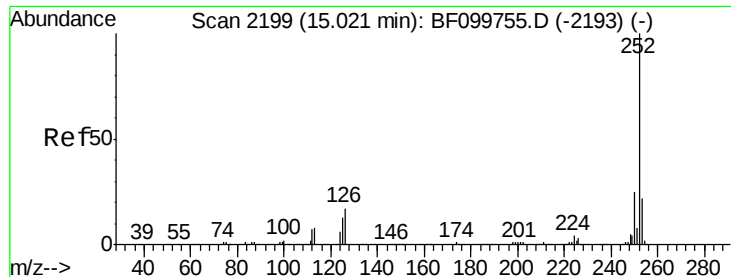
Tot Ion:276 Resp: 371876
 Ion Ratio Lower Upper
 276 100
 138 34.2 25.0 37.6
 277 25.2 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.415 min Scan# 2266
 Delta R.T. 0.006 min
 Lab File: BF100167.D
 Acq: 4 Nov 2017 7:07

Tgt Ion:264 Resp: 151971
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 22.6 17.5 26.3

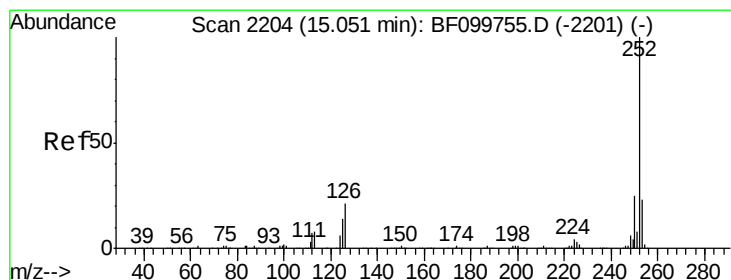
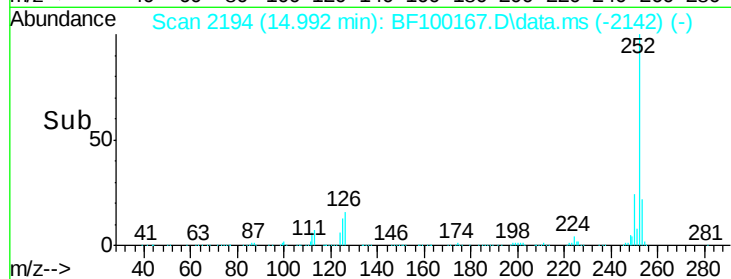
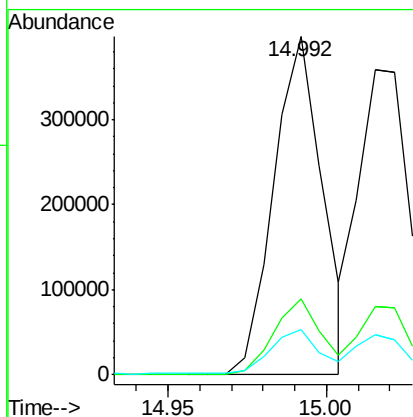
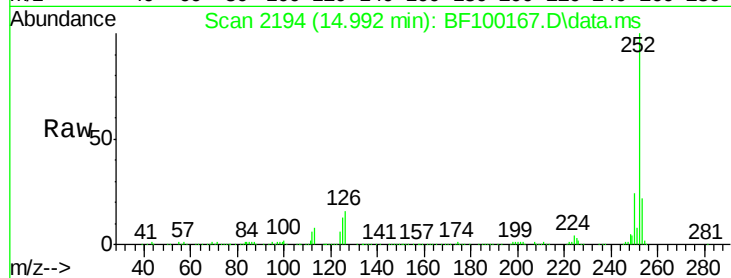




#87
Benzo(b)fluoranthene
Concen: 44.52 ng
RT: 14.992 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

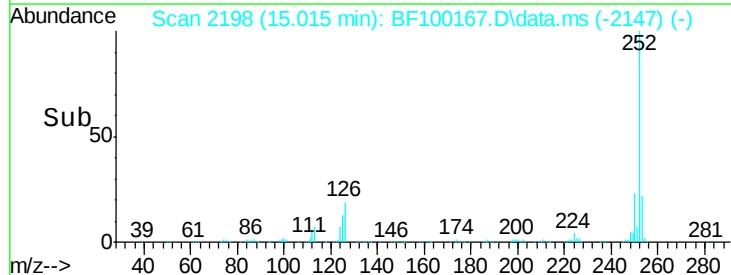
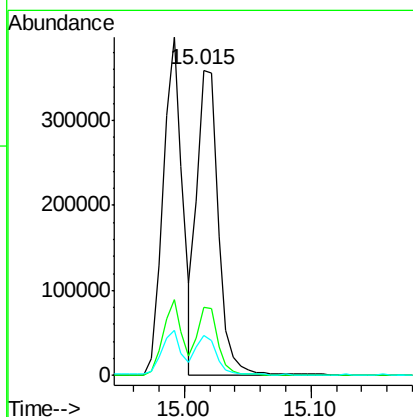
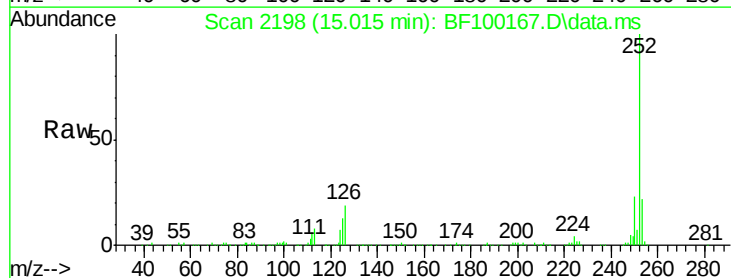
Instrument :
BNA_F
ClientSampleId :
RLF-GW-9SMS

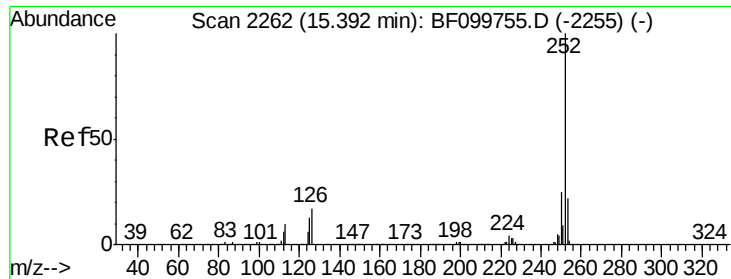
Tot Ion:252 Resp: 427247
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 13.2 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 46.17 ng
RT: 15.015 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF100167.D
Acq: 4 Nov 2017 7:07

Tgt Ion:252 Resp: 417795
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 13.1 10.2 15.2





#89

Benzo(a)pyrene

Concen: 47.10 ng

RT: 15.357 min Scan# 22

Delta R.T. 0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

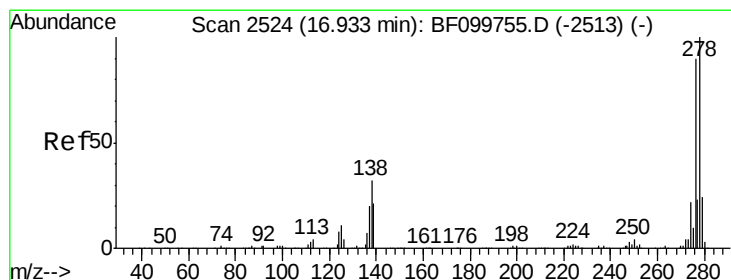
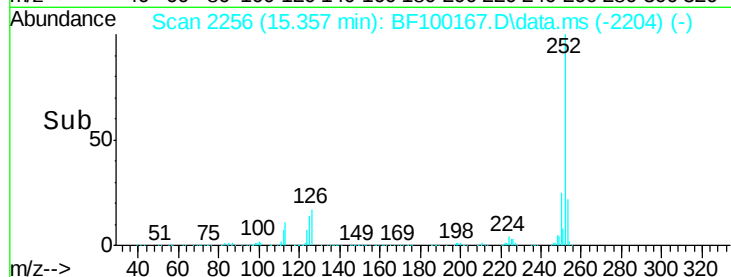
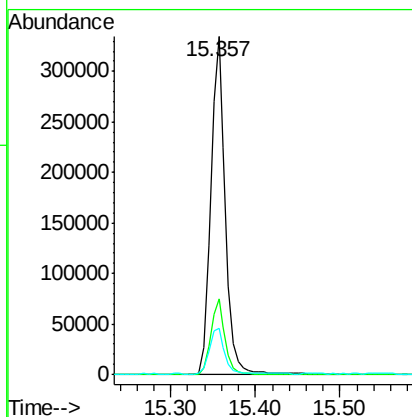
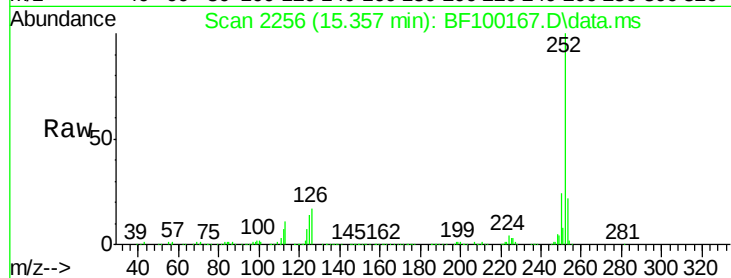
Tot Ion:252 Resp: 405972

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 13.7 9.8 14.6



#90

Dibenzo(a,h)anthracene

Concen: 41.90 ng

RT: 16.880 min Scan# 2515

Delta R.T. 0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

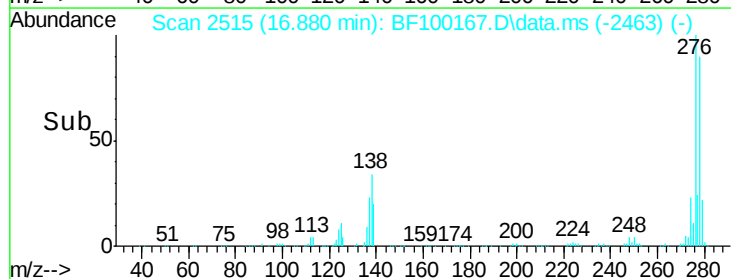
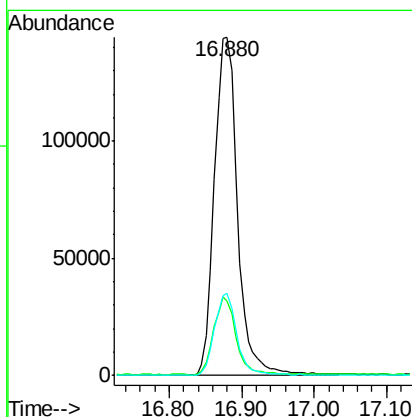
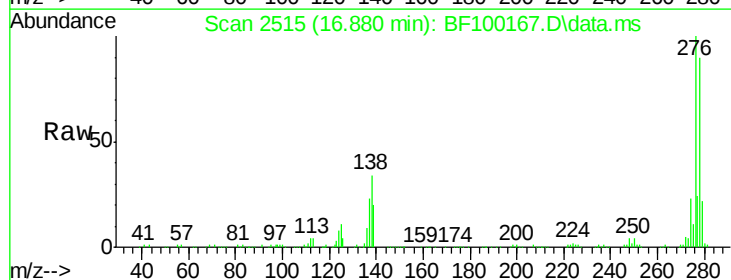
Tgt Ion:278 Resp: 320911

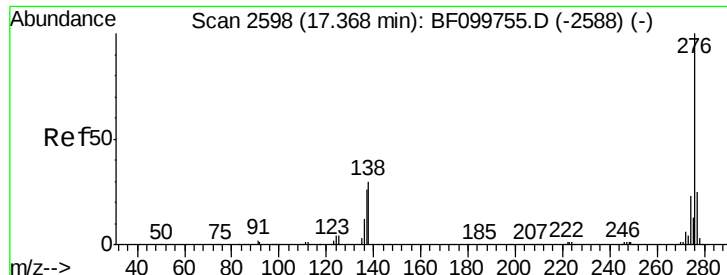
Ion Ratio Lower Upper

278 100

139 22.0 15.9 23.9

279 24.4 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 40.32 ng

RT: 17.327 min Scan# 25

Delta R.T. 0.006 min

Lab File: BF100167.D

Acq: 4 Nov 2017 7:07

Instrument :

BNA_F

ClientSampleId :

RLF-GW-9SMS

Tot Ion:276 Resp: 302169

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 28.8 21.8 32.8

