

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105167.D
 Acq On : 9 May 2018 1:38
 Operator : JU/SJ
 Sample : J2133-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 08:37:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 08 16:33:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	190339	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	758796	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	372793	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	747450	20.00	ng	0.00
75) Chrysene-d12	14.00	240	651553	20.00	ng	-0.01
86) Perylene-d12	15.54	264	567903	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1468343	127.09	ng	0.00
7) Phenol-d6	6.42	99	1727629	125.58	ng	0.00
23) Nitrobenzene-d5	7.36	82	1010455	90.25	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	558058	135.68	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1858969	77.40	ng	0.00
78) Terphenyl-d14	12.91	244	2130498	75.95	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.52	88	12309	2.02	ng	98
8) 2-Chlorophenol	6.57	128	27198	2.22	ng	97
10) Phenol	6.43	94	32081	2.10	ng	# 45
11) bis(2-Chloroethyl)ether	6.53	93	26954	2.14	ng	92
12) 1,3-Dichlorobenzene	6.73	146	32408	2.19	ng	97
13) 1,4-Dichlorobenzene	6.81	146	33982	2.30	ng	94
14) 1,2-Dichlorobenzene	6.96	146	31314	2.30	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.06	45	48077	2.05	ng	97
17) 2-Methylphenol	7.03	107	21931	2.07	ng	96
18) Hexachloroethane	7.30	117	9834	2.07	ng	91
19) n-Nitroso-di-n-propylamine	7.20	70	19437	2.13	ng	91
20) 3+4-Methylphenols	7.19	107	28518	2.29	ng	# 84
22) Acetophenone	7.19	105	41838	2.37	ng	# 90
24) Nitrobenzene	7.37	77	32631	2.57	ng	94
26) 2-Nitrophenol	7.69	139	8728	11.29	ng	92
30) 1,2,4-Trichlorobenzene	8.01	180	27374	2.28	ng	98
31) Naphthalene	8.09	128	85423	2.34	ng	98
32) Benzoic acid	7.76	122	7683	10.29	ng	96
34) Hexachlorobutadiene	8.21	225	16236	2.33	ng	99
37) 2-Methylnaphthalene	8.78	142	57240	2.25	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	27890	2.35	ng	98
42) 2,4,6-Trichlorophenol	9.09	196	15975	2.21	ng	99
43) 2,4,5-Trichlorophenol	9.09	196	15975	2.11	ng	97
45) 1,1'-Biphenyl	9.25	154	80455	2.65	ng	99
46) 2-Chloronaphthalene	9.27	162	55800	2.46	ng	94
47) 2-Nitroaniline	9.36	65	10445	7.20	ng	93
48) Acenaphthylene	9.69	152	80026	2.28	ng	99
49) Dimethylphthalate	9.54	163	58949	2.34	ng	98
51) Acenaphthene	9.86	154	54467	2.41	ng	97
53) 2,4-Dinitrophenol	9.87	184	1337	10.25	ng	# 24
54) Dibenzofuran	10.03	168	75894	2.30	ng	98
55) 4-Nitrophenol	9.92	139	6588	5.50	ng	94
56) 2,4-Dinitrotoluene	10.00	165	11507	5.07	ng	# 99
57) Fluorene	10.37	166	62197	2.57	ng	99

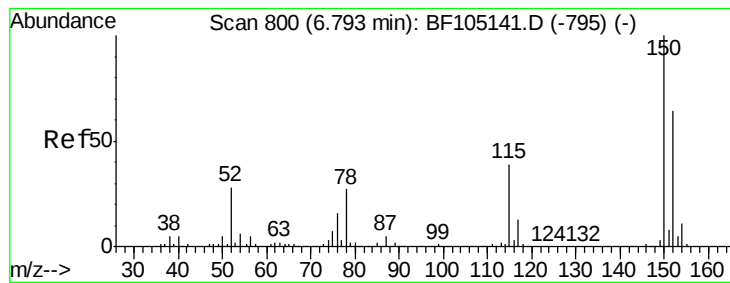
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Diethylphthalate	10.25	149	58227	2.35	nq	98
60) 4-Chlorophenyl-phenylether	10.37	204	28885	2.56	nq #	85
62) Azobenzene	10.53	77	54670	2.11	nq	96
64) 4,6-Dinitro-2-methylphenol	10.40	198	3427	10.04	nq	92
65) n-Nitrosodiphenylamine	10.49	169	51015	2.19	nq	98
66) 4-Bromophenyl-phenylether	10.86	248	16813	2.11	nq #	87
67) Hexachlorobenzene	10.92	284	20999	2.29	nq #	86
69) Pentachlorophenol	11.10	266	8182	4.67	nq	97
70) Phenanthrene	11.33	178	92718	2.35	nq	98
71) Anthracene	11.39	178	87464	2.18	nq	98
72) Carbazole	11.54	167	80353	2.23	nq	98
74) Fluoranthene	12.52	202	90479	2.20	nq	95
77) Pyrene	12.75	202	98781	2.08	nq	98
79) Butylbenzylphthalate	13.39	149	21082	7.95	nq	99
80) Benzo(a)anthracene	13.99	228	82454	2.09	nq	99
82) Chrysene	14.03	228	87736	2.16	nq	97
84) Di-n-octyl phthalate	14.68	149	35881	7.74	nq #	91
87) Benzo(b)fluoranthene	15.12	252	70866	2.04	nq	98
88) Benzo(k)fluoranthene	15.14	252	68637	2.04	nq #	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampleId :

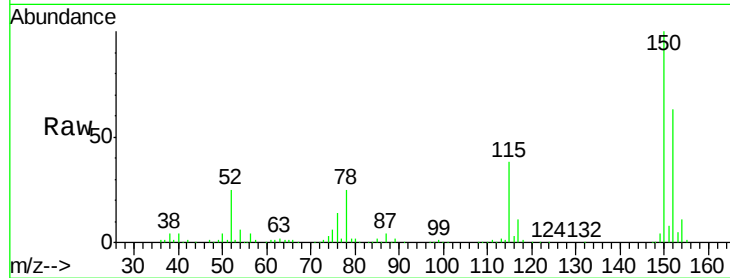
Tot Ion:152 Resp: 190339

Ion Ratio Lower Upper

152 100

150 158.5 124.6 186.8

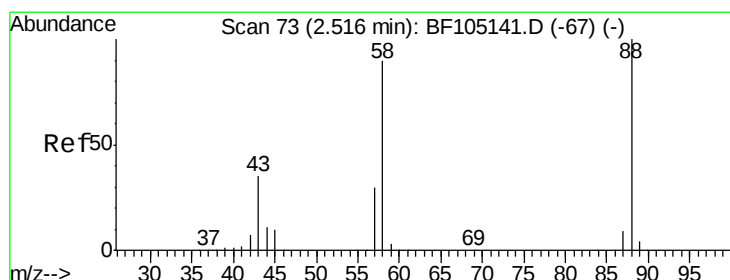
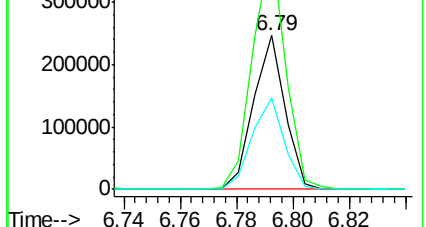
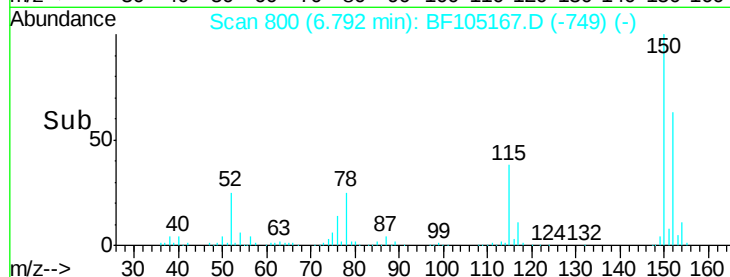
115 59.7 50.1 75.1



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: 2.02 ng

RT: 2.52 min Scan# 73

Delta R.T. -0.00 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

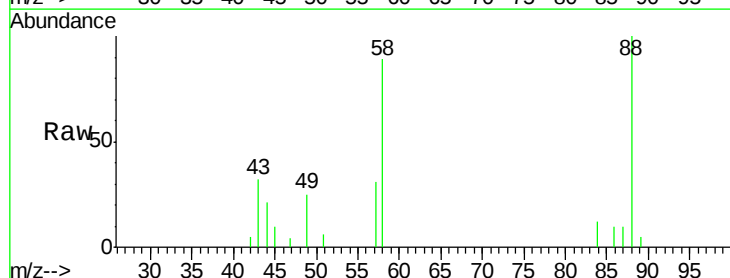
Tgt Ion: 88 Resp: 12309

Ion Ratio Lower Upper

88 100

58 80.2 62.6 93.8

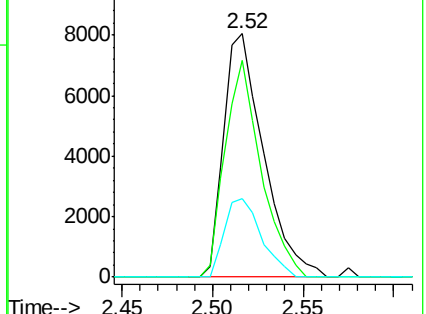
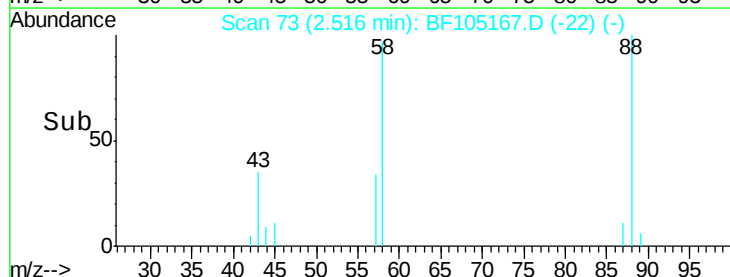
43 29.9 24.6 37.0

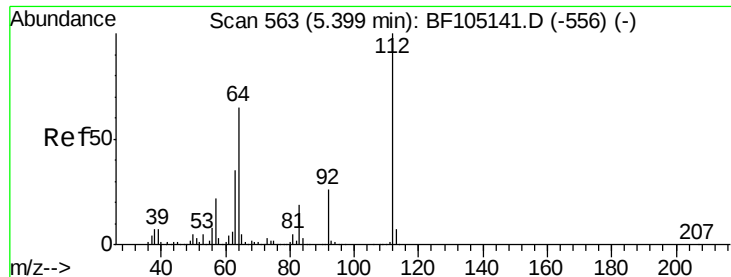


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 127.09 ng

RT: 5.40 min Scan# 563

Delta R.T. -0.00 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampleId :

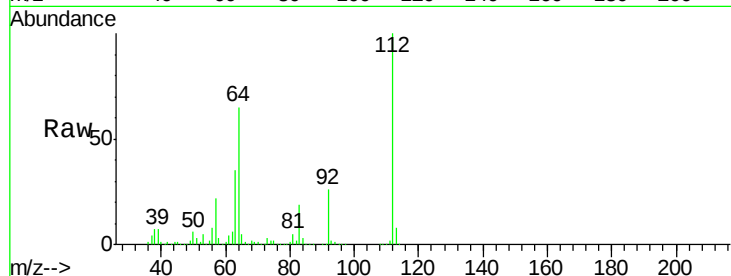
Tot Ion:112 Resp: 1468343

Ion Ratio Lower Upper

112 100

64 65.4 47.9 71.9

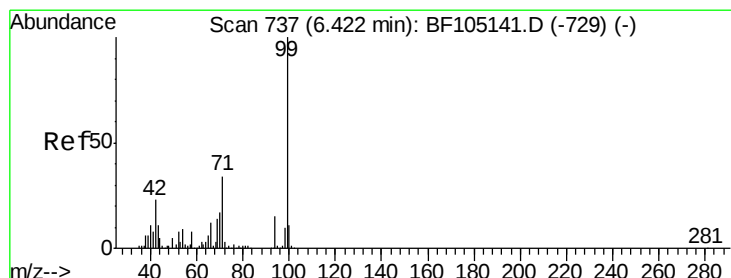
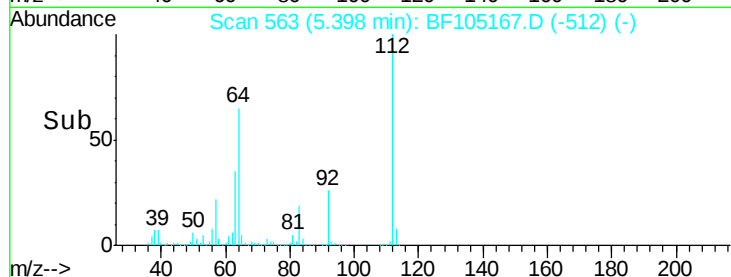
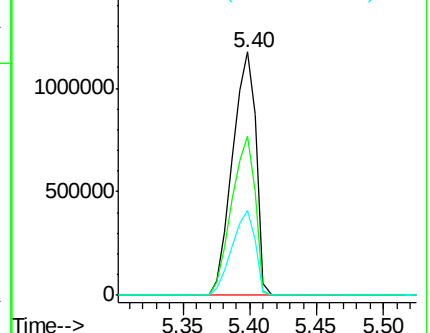
63 34.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 125.58 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

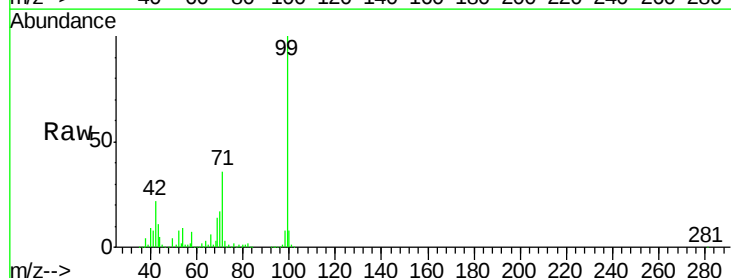
Tgt Ion: 99 Resp: 1727629

Ion Ratio Lower Upper

99 100

42 22.2 14.5 21.7#

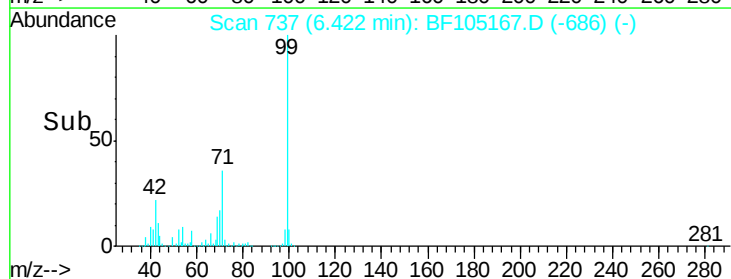
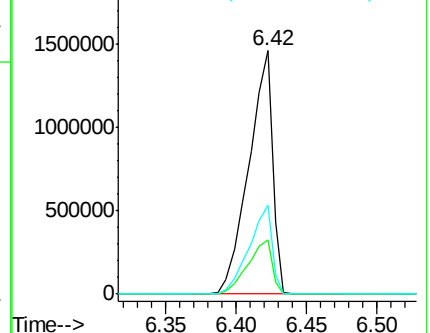
71 36.2 25.4 38.0

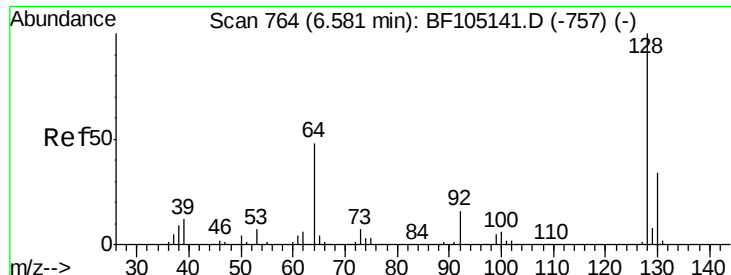


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#8

2-Chlorophenol

Concen: 2.22 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampled :

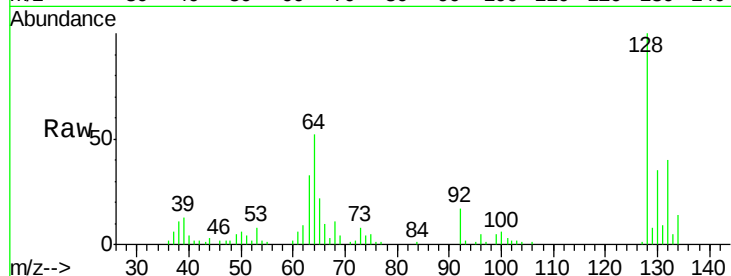
Tot Ion:128 Resp: 27198

Ion Ratio Lower Upper

128 100

130 34.5 13.0 53.0

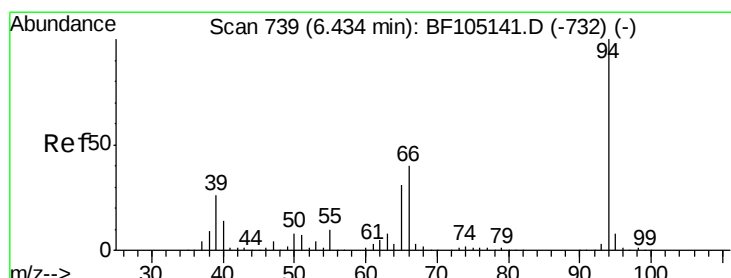
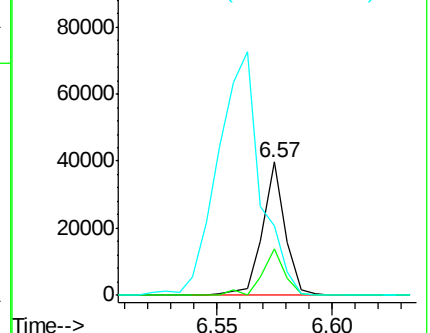
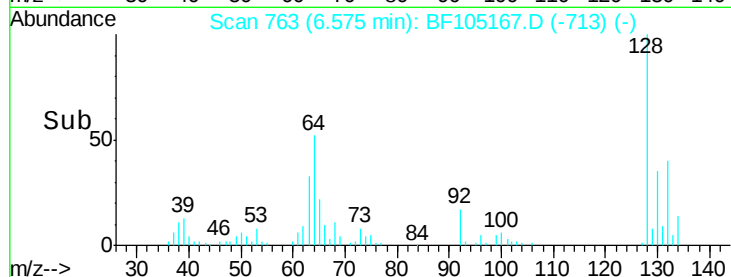
64 52.1 29.4 69.4



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



#10

Phenol

Concen: 2.10 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

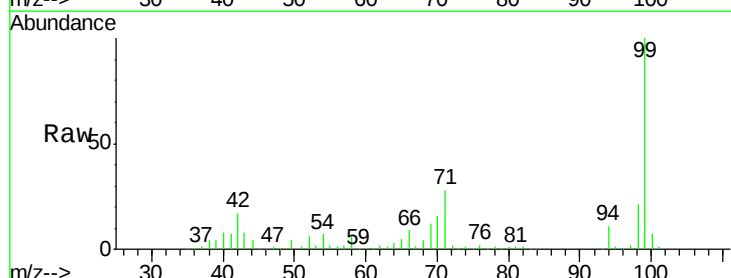
Tgt Ion: 94 Resp: 32081

Ion Ratio Lower Upper

94 100

65 42.2 7.9 47.9

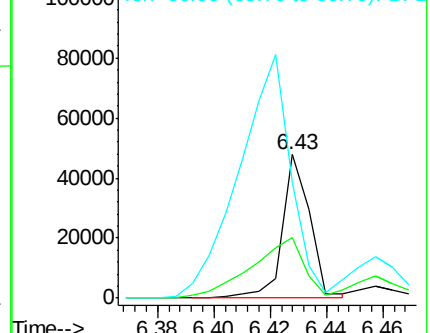
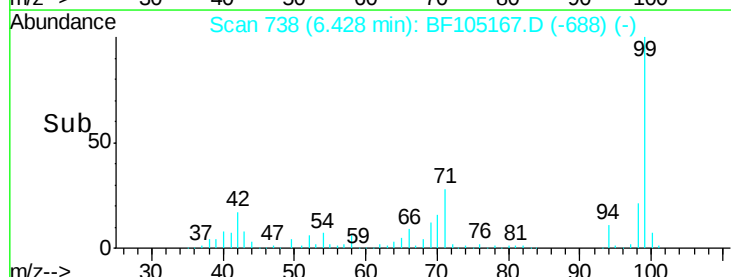
66 80.8 16.2 56.2#

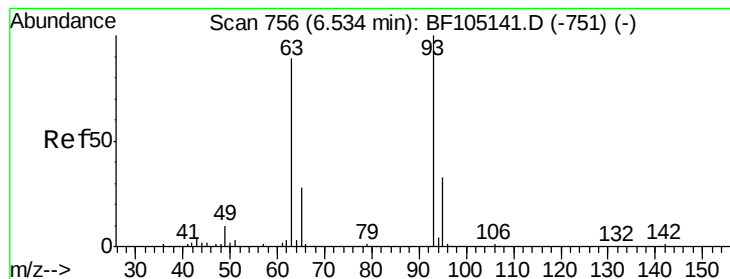


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 2.14 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampleId :

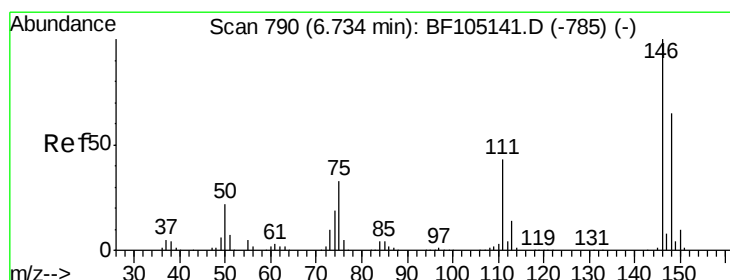
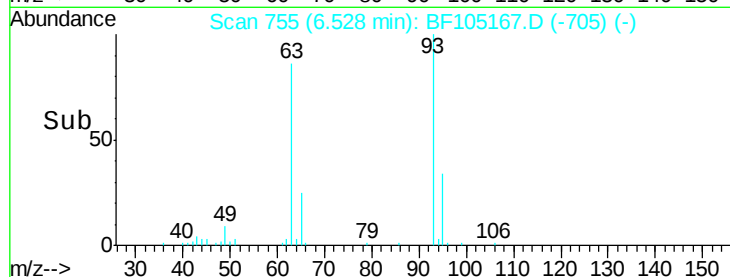
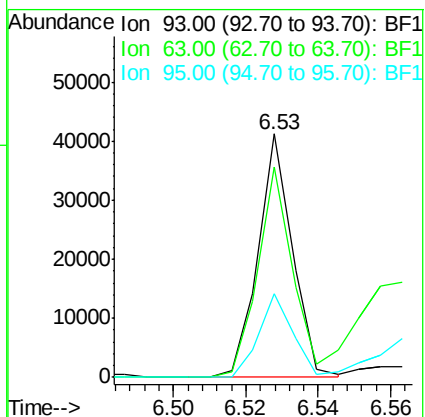
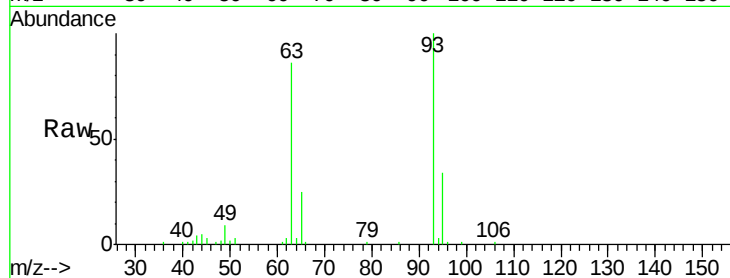
Tot Ion: 93 Resp: 26954

Ion Ratio Lower Upper

93 100

63 86.4 58.6 98.6

95 34.2 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 2.19 ng

RT: 6.73 min Scan# 790

Delta R.T. -0.00 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

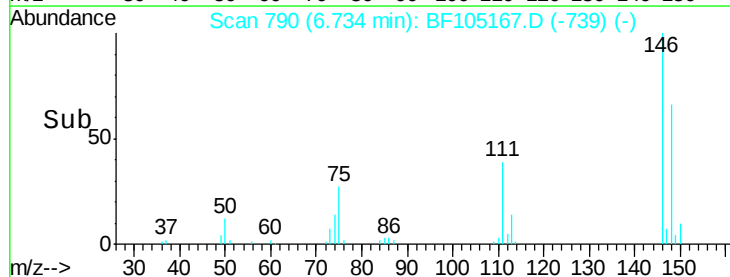
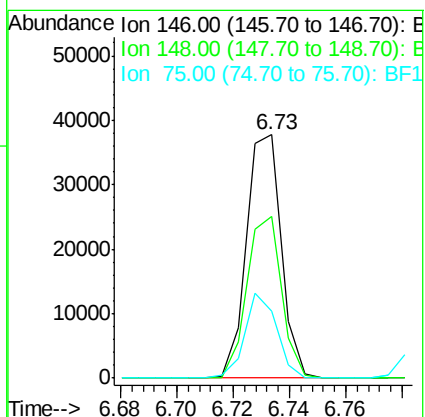
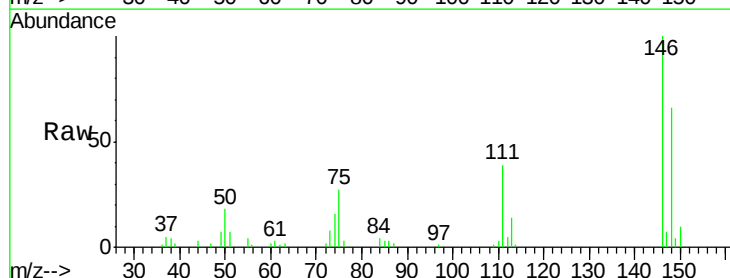
Tgt Ion: 146 Resp: 32408

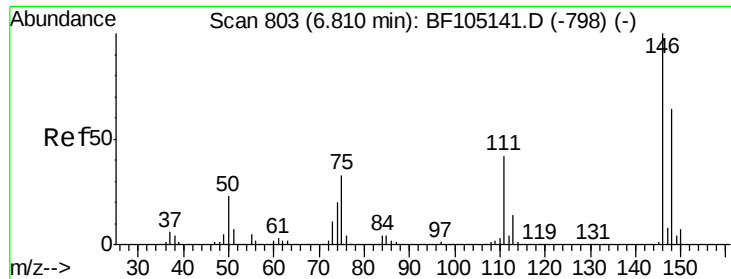
Ion Ratio Lower Upper

146 100

148 66.3 51.8 77.8

75 27.4 24.2 36.4

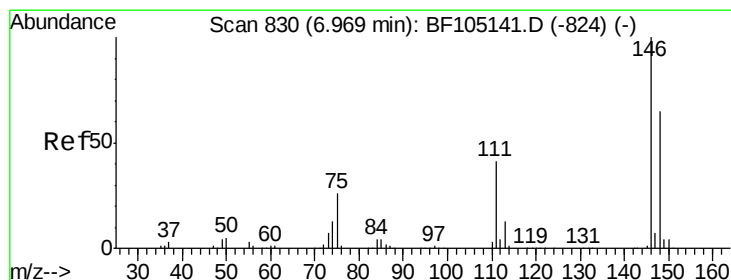
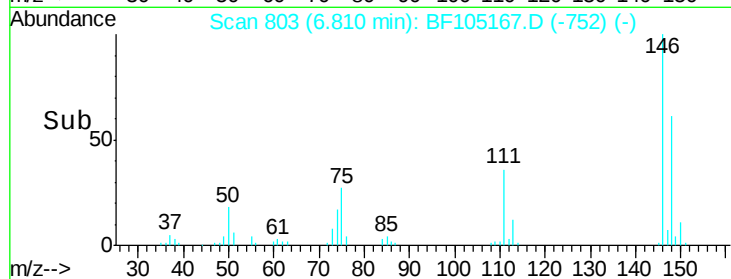
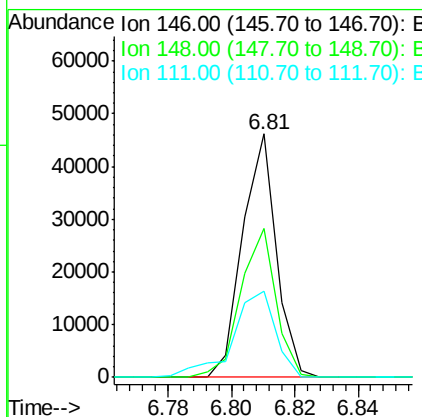
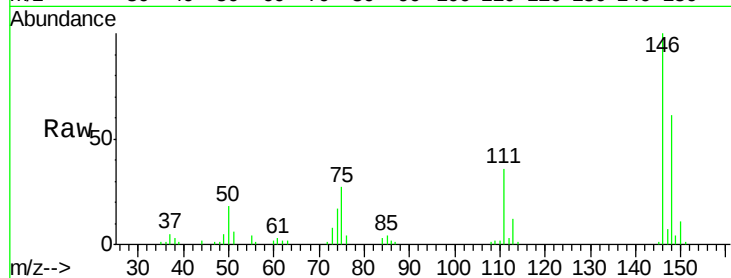




#13
 1,4-Dichlorobenzene
 Concen: 2.30 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

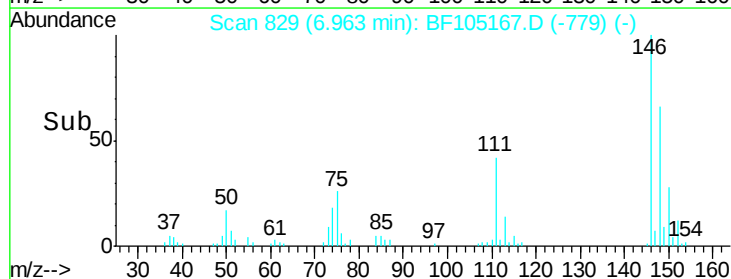
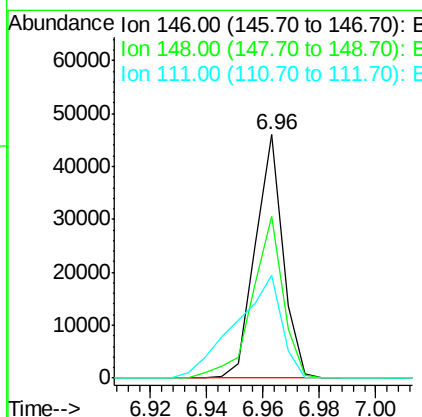
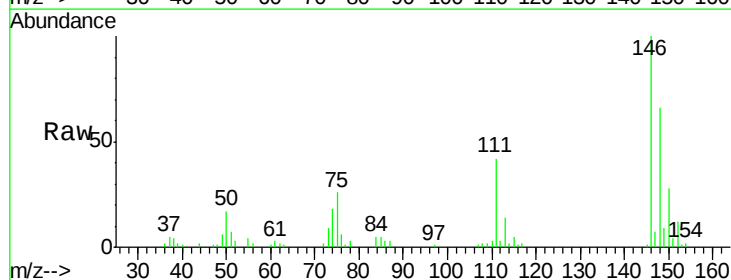
Instrument :
 BNA_F
 ClientSampleId :

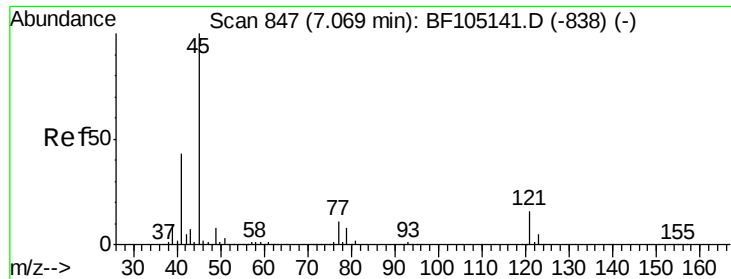
Tot Ion:146 Resp: 33982
 Ion Ratio Lower Upper
 146 100
 148 61.1 50.8 76.2
 111 35.7 34.2 51.2



#14
 1,2-Dichlorobenzene
 Concen: 2.30 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

Tgt Ion:146 Resp: 31314
 Ion Ratio Lower Upper
 146 100
 148 66.3 50.6 75.8
 111 42.3 36.0 54.0

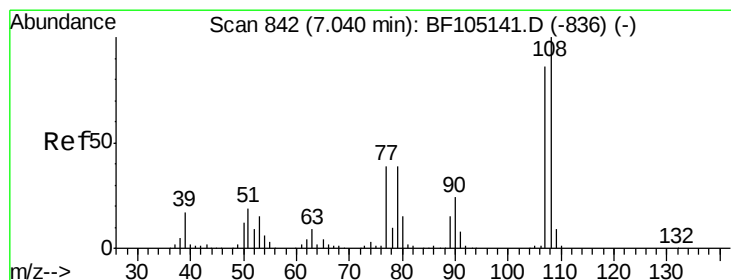
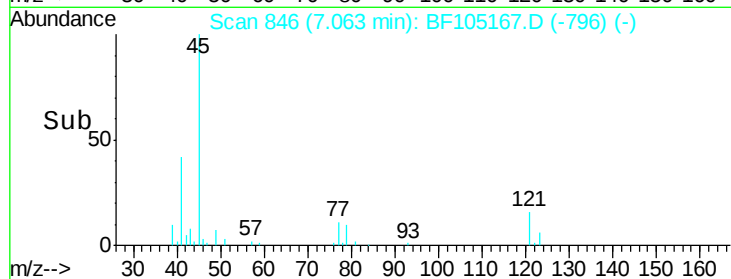
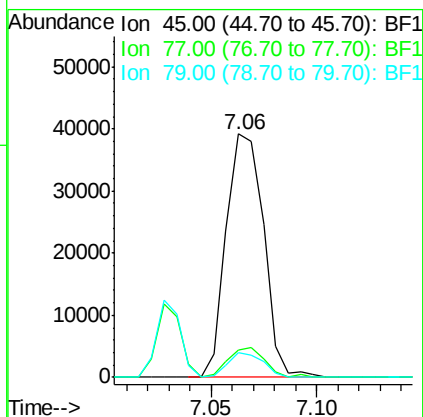
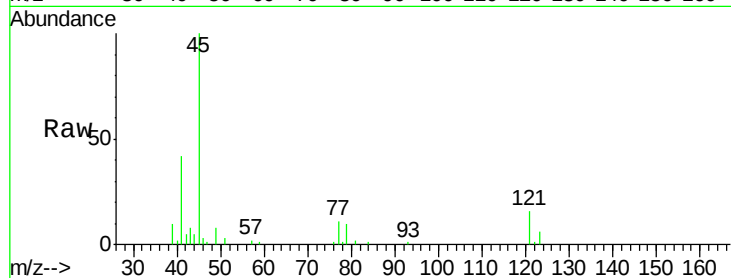




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 2.05 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

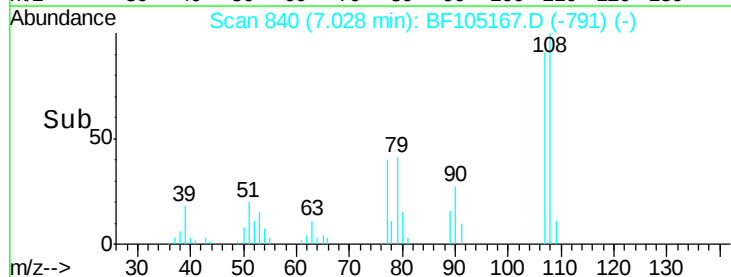
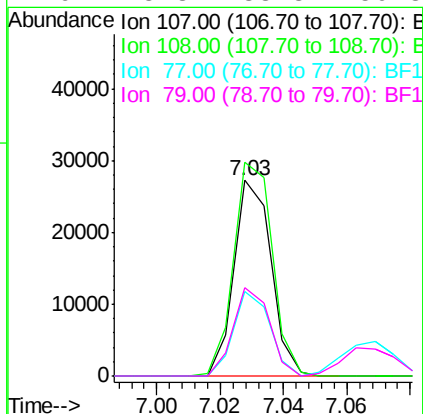
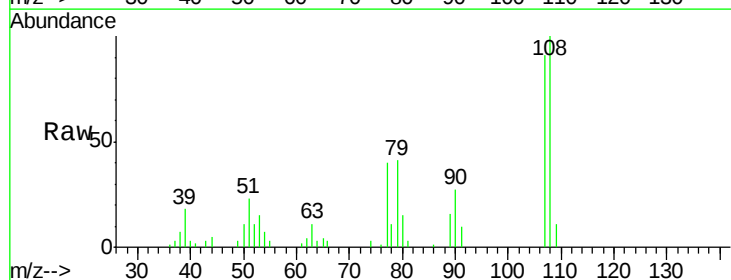
Instrument :
BNA_F
ClientSampleId :

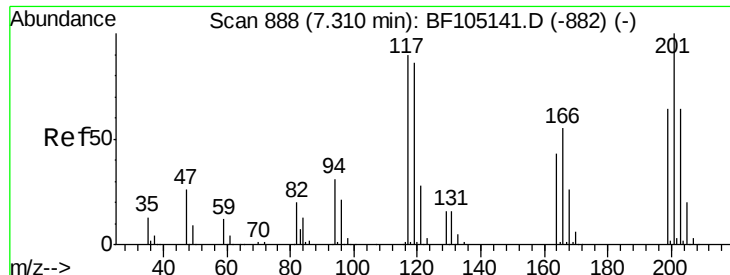
Tot Ion	45	Resp	48077
Ion Ratio	100		
Lower		0.0	32.9
Upper		0.0	29.6



#17
2-Methylphenol
Concen: 2.07 ng
RT: 7.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Tgt Ion	107	Resp	21931
Ion Ratio	100		
Lower		91.7	137.5
Upper		33.8	50.8

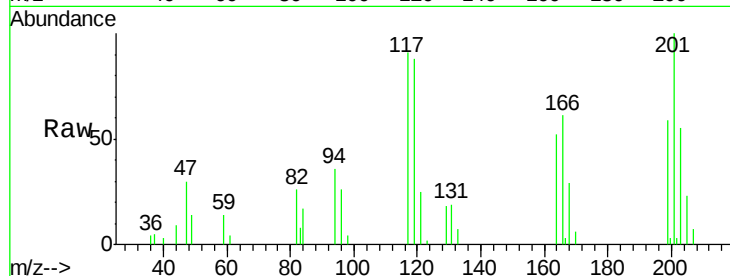




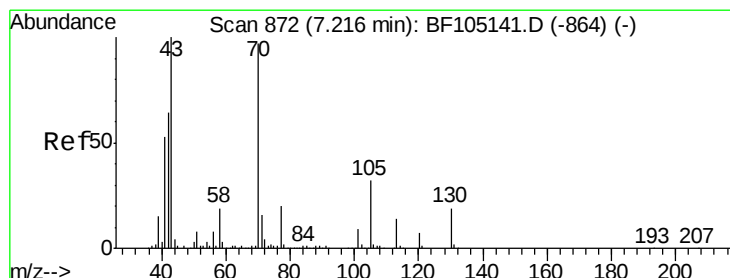
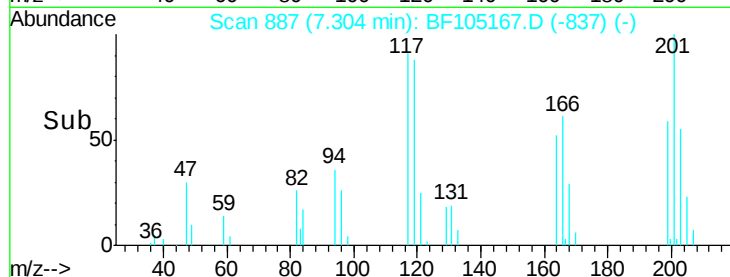
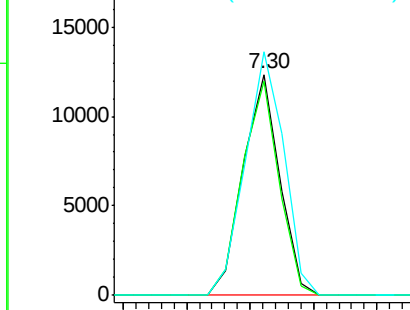
#18
Hexachloroethane
Concen: 2.07 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 9834
Ion Ratio Lower Upper
117 100
119 96.9 75.8 113.8
201 110.3 75.7 113.5



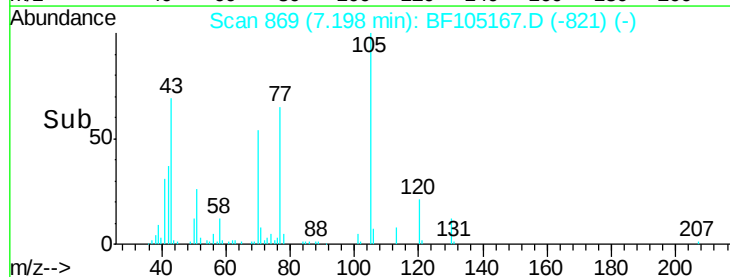
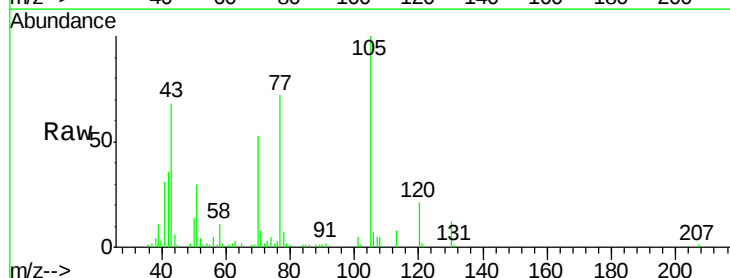
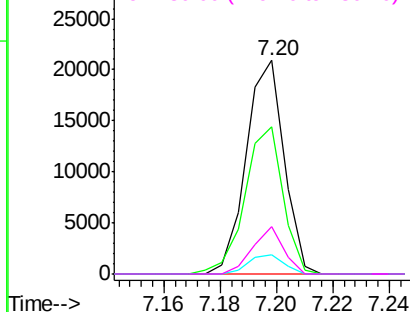
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

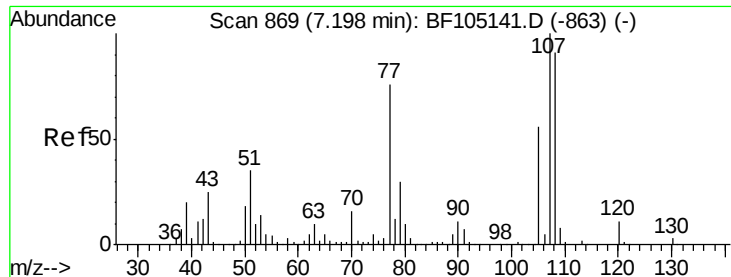


#19
n-Nitroso-di-n-propylamine
Concen: 2.13 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.02 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Tgt Ion: 70 Resp: 19437
Ion Ratio Lower Upper
70 100
42 68.8 47.5 71.3
101 8.7 7.4 11.2
130 22.5 16.6 25.0

Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

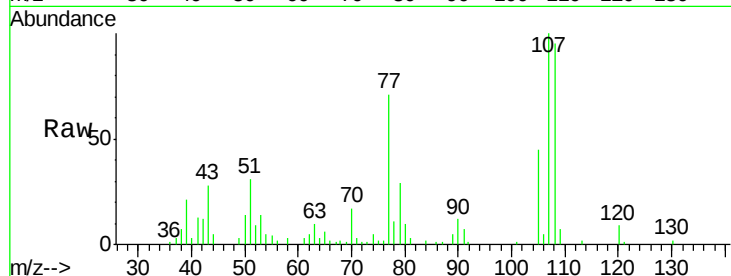




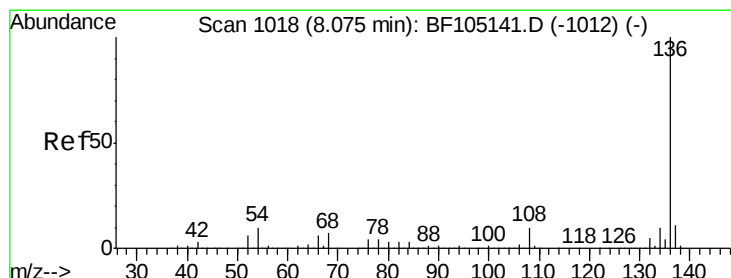
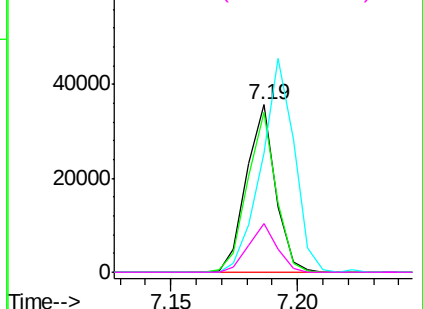
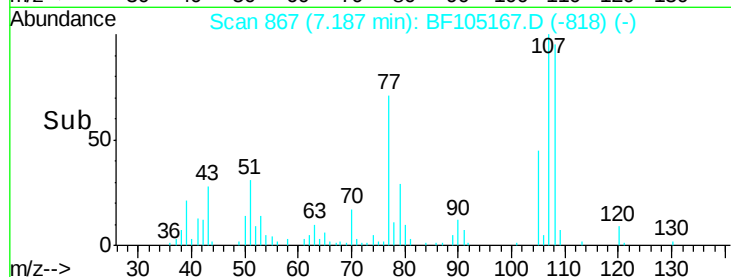
#20
3+4-Methylphenols
Concen: 2.29 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	28518
Ion	Ratio	Lower	Upper
107	100		
108	95.3	68.2	108.2
77	71.0	26.7	66.7
79	29.1	6.3	46.3

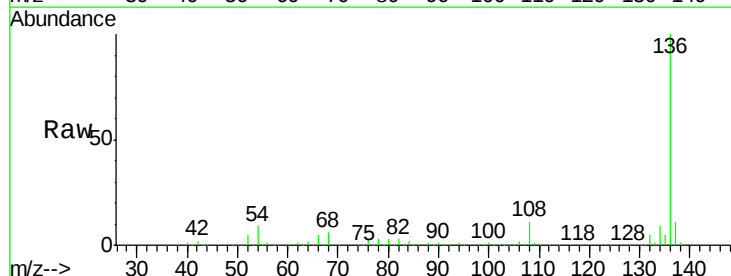


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

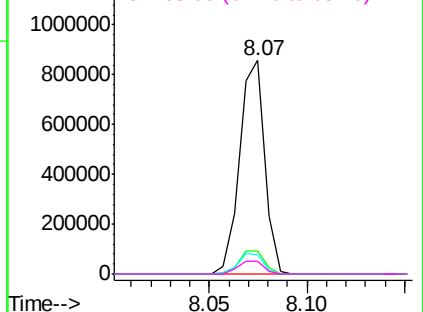
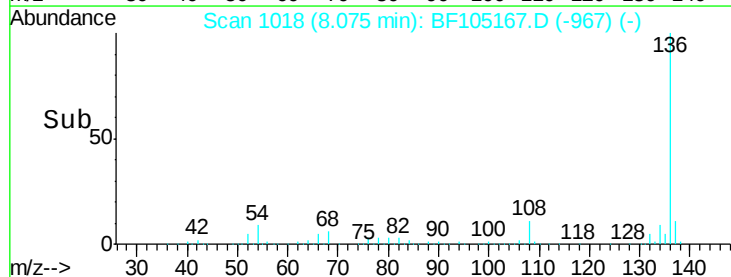


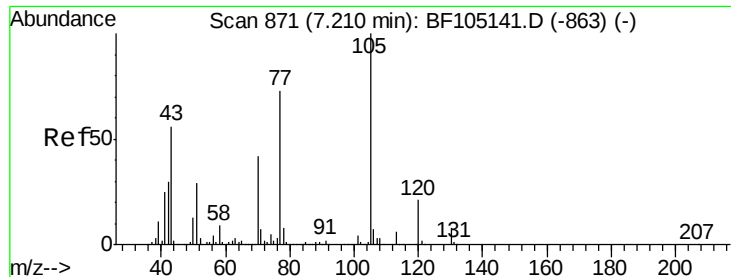
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Tgt Ion:	136	Resp:	758796
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.0	6.6	9.8
68	6.0	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: 2.37 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.02 min

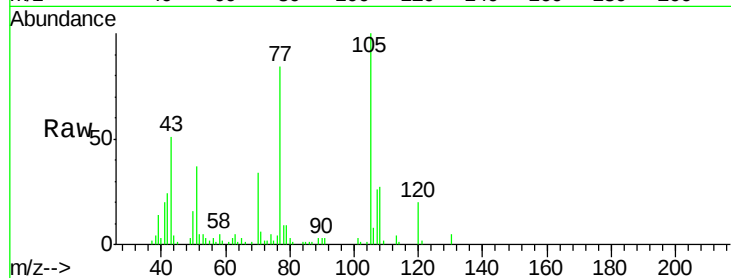
Lab File: BF105167.D

Acq: 9 May 2018 1:38

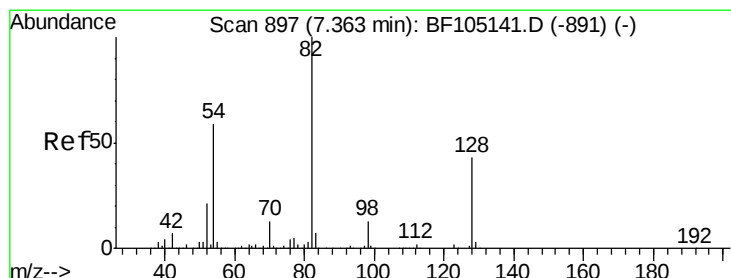
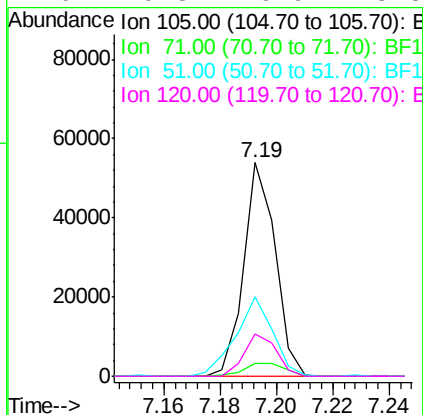
Instrument :

BNA_F

ClientSampleId :



Tot Ion:	105	Resp:	41838
Ion	Ratio	Lower	Upper
105	100		
71	5.8	4.4	6.6
51	37.0	22.3	33.5#
120	19.8	16.9	25.3



#23

Nitrobenzene-d5

Concen: 90.25 ng

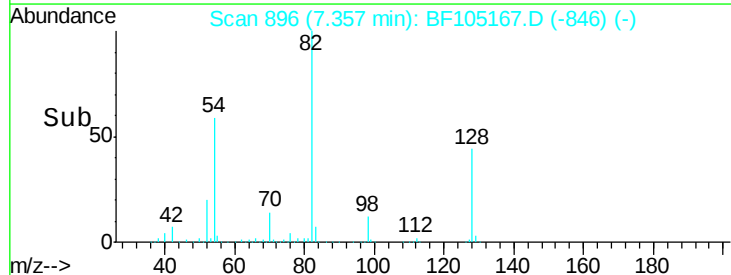
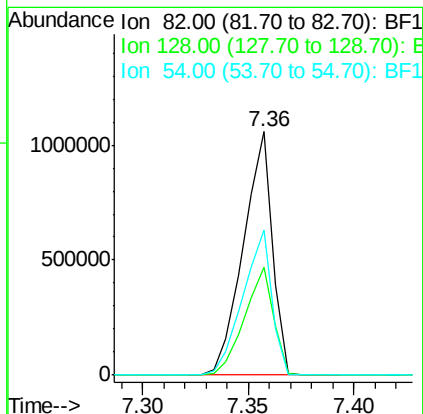
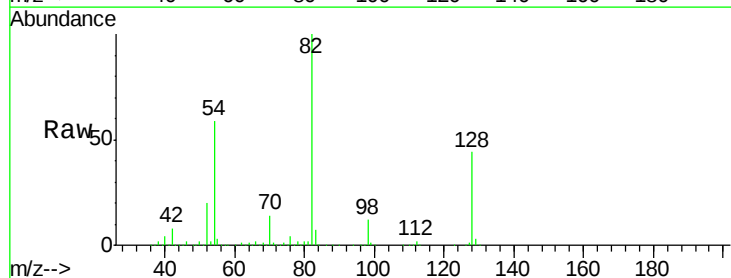
RT: 7.36 min Scan# 896

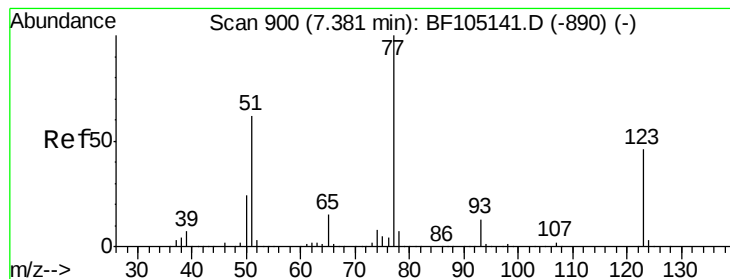
Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Tgt Ion:	82	Resp:	1010455
Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	59.3	41.4	62.2





#24

Nitrobenzene

Concen: 2.57 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampleId :

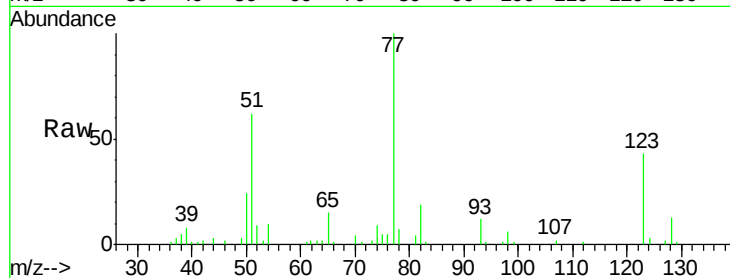
Tot Ion: 77 Resp: 32631

Ion Ratio Lower Upper

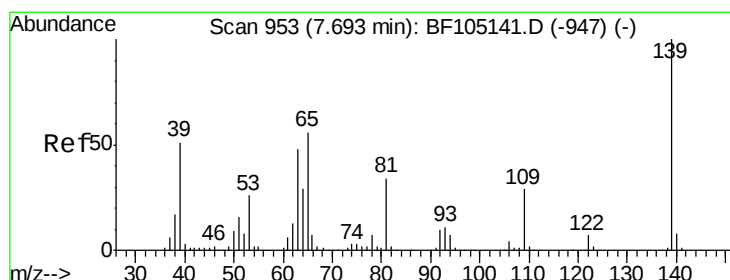
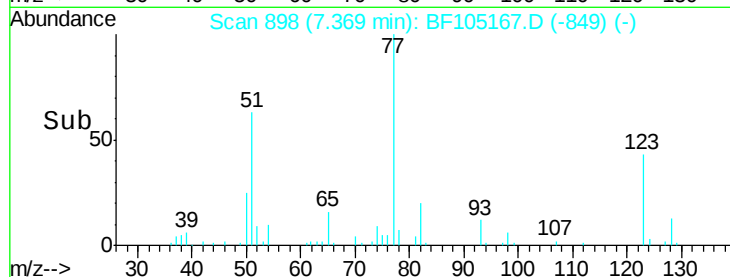
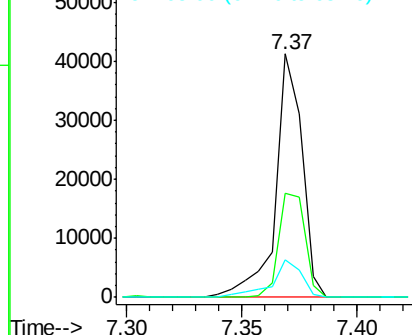
77 100

123 42.6 37.9 56.9

65 15.2 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#26

2-Nitrophenol

Concen: 11.29 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

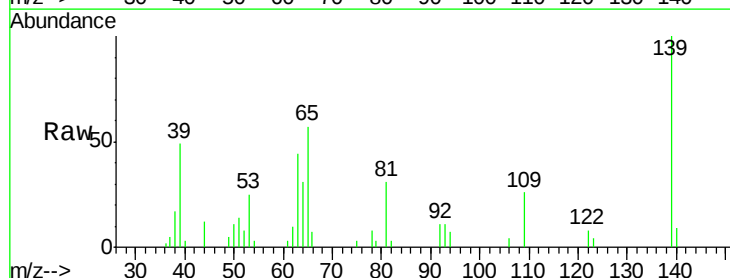
Tgt Ion: 139 Resp: 8728

Ion Ratio Lower Upper

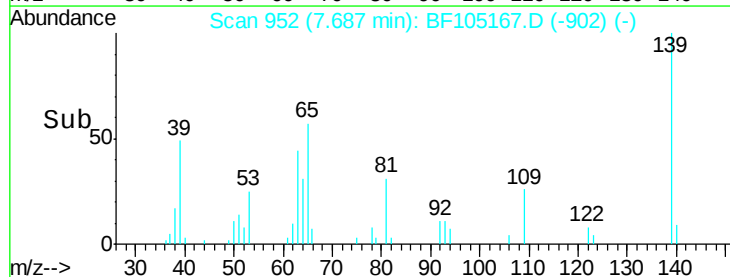
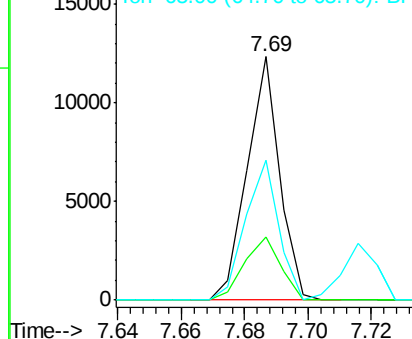
139 100

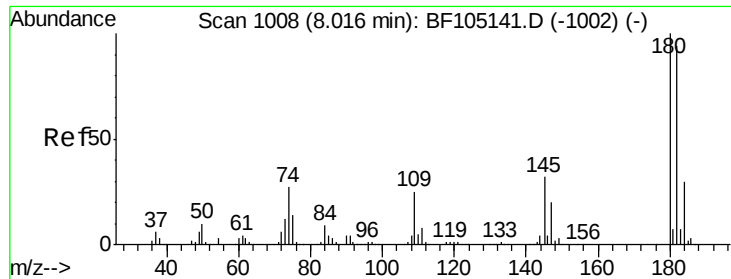
109 25.8 22.7 34.1

65 57.4 40.5 60.7



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

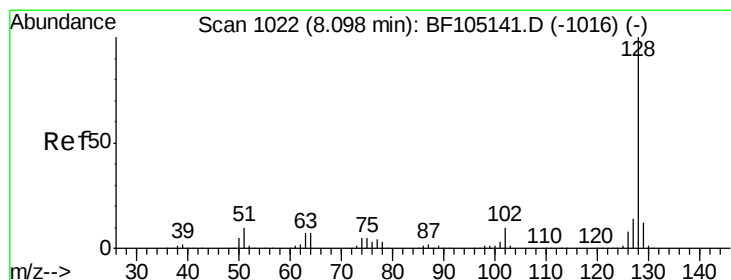
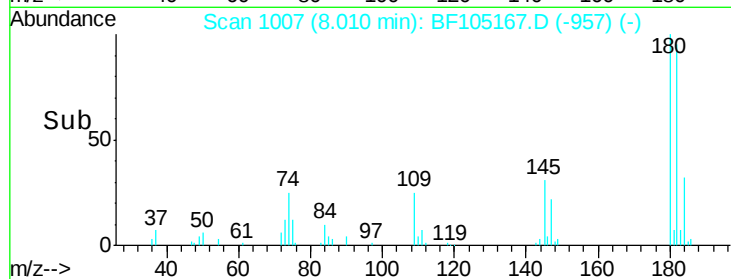
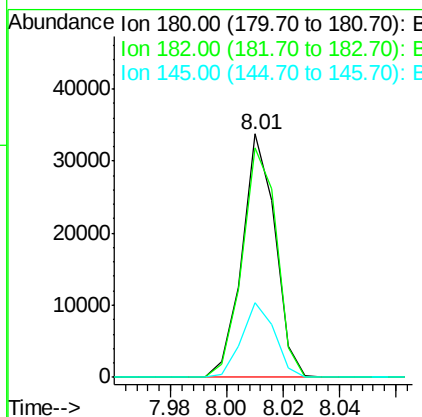
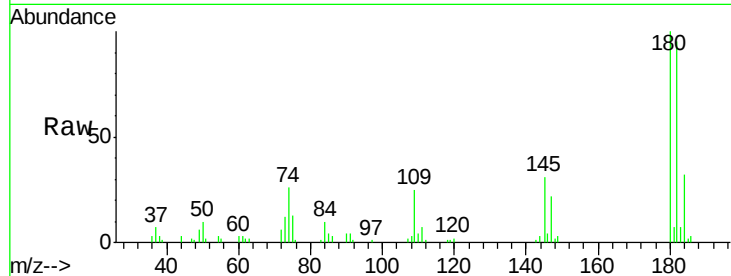




#30
 1,2,4-Trichlorobenzene
 Concen: 2.28 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

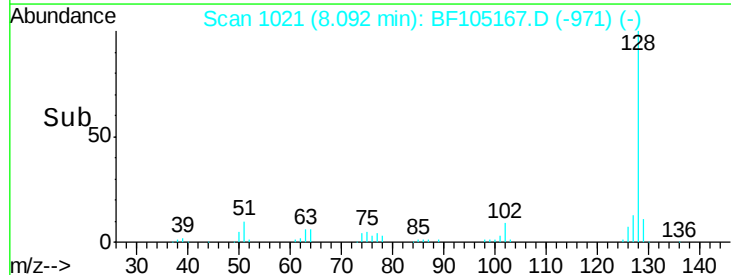
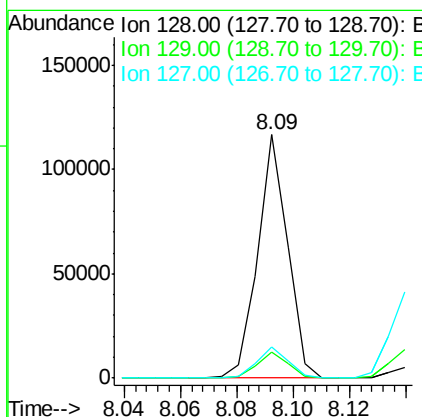
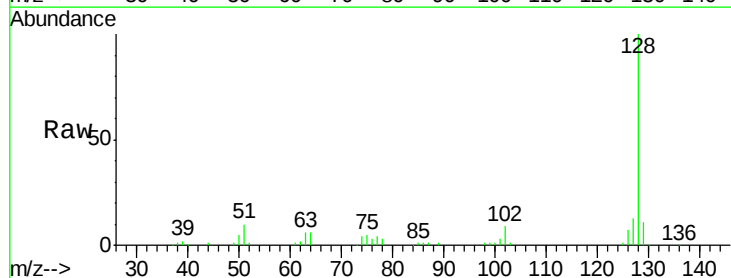
Instrument :
 BNA_F
 ClientSampleId :

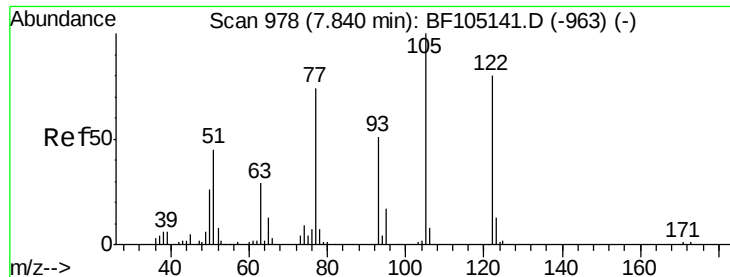
Tot Ion:180 Resp: 27374
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.8 115.2
 145 30.7 26.5 39.7



#31
 Naphthalene
 Concen: 2.34 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

Tgt Ion:128 Resp: 85423
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.8 13.2
 127 12.6 10.9 16.3





#32

Benzoic acid

Concen: 10.29 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.08 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampleId :

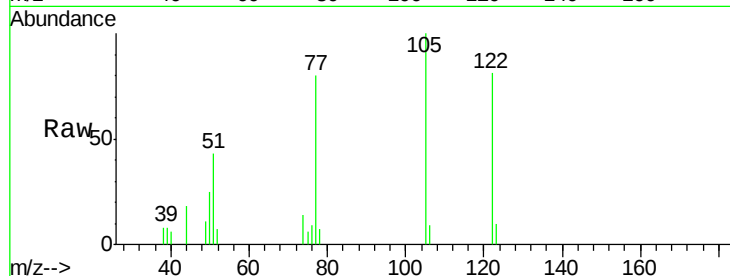
Tot Ion:122 Resp: 7683

Ion Ratio Lower Upper

122 100

105 122.7 101.1 141.1

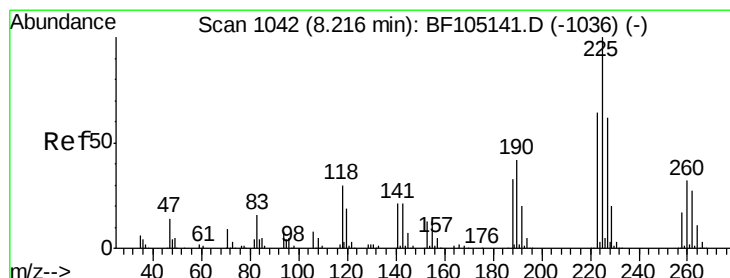
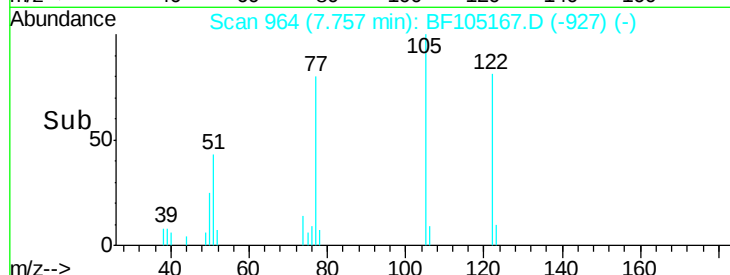
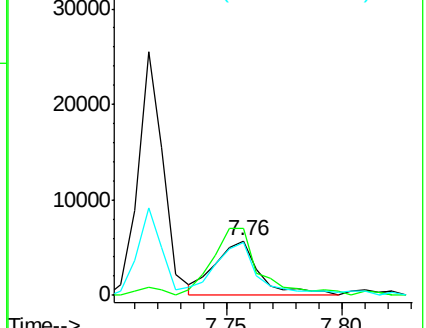
77 97.6 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#34

Hexachlorobutadiene

Concen: 2.33 ng

RT: 8.21 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

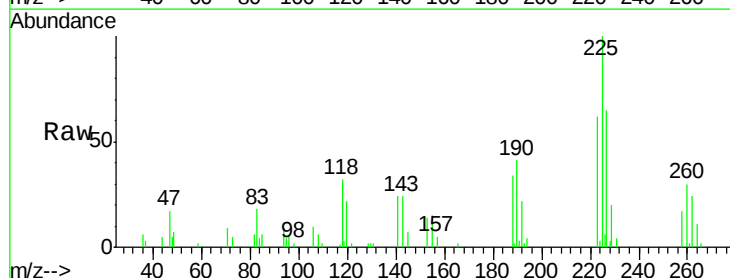
Tgt Ion:225 Resp: 16236

Ion Ratio Lower Upper

225 100

223 61.5 50.6 76.0

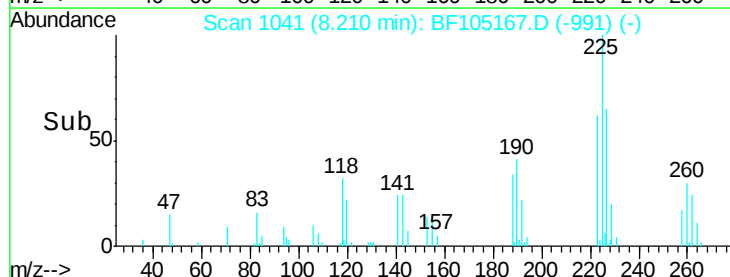
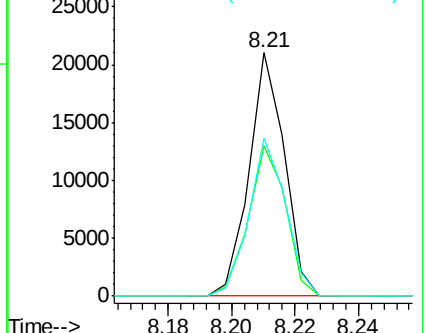
227 64.7 51.9 77.9

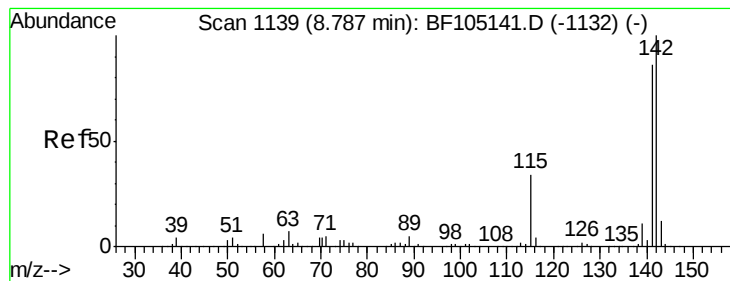


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#37

2-Methylnaphthalene

Concen: 2.25 ng

RT: 8.78 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampled :

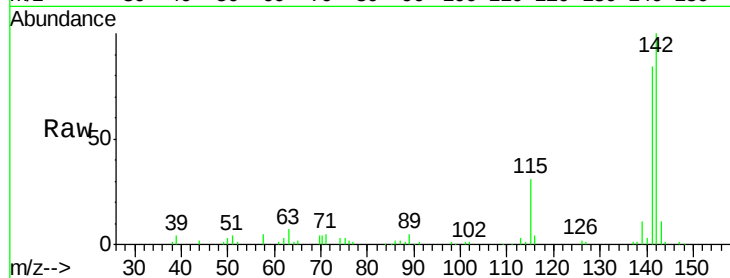
Tot Ion:142 Resp: 57240

Ion Ratio Lower Upper

142 100

141 84.4 70.8 106.2

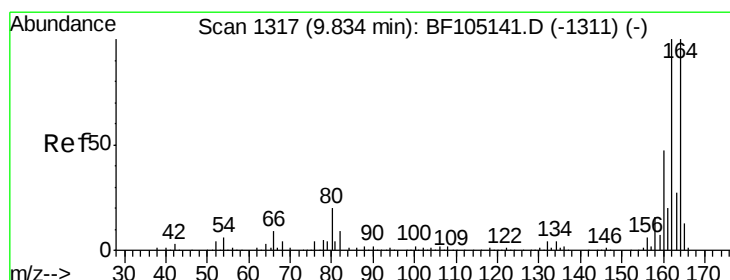
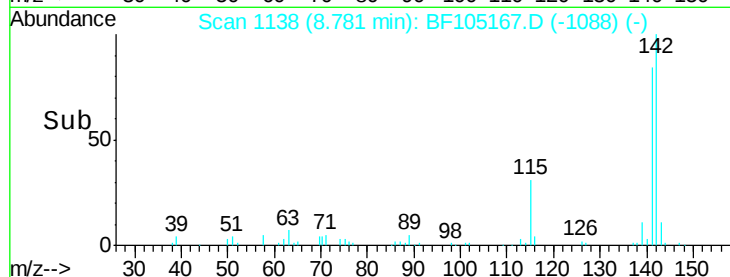
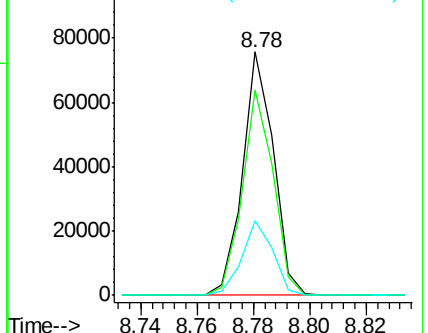
115 30.8 26.1 39.1



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: 20.00 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

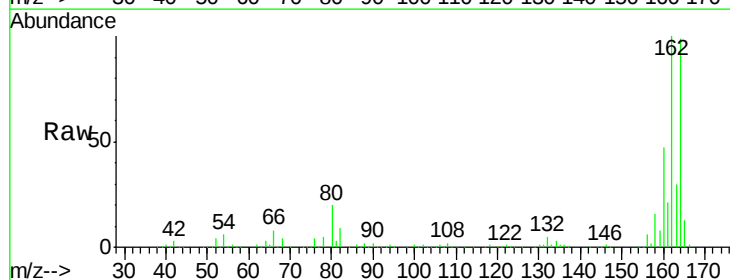
Tgt Ion:164 Resp: 372793

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

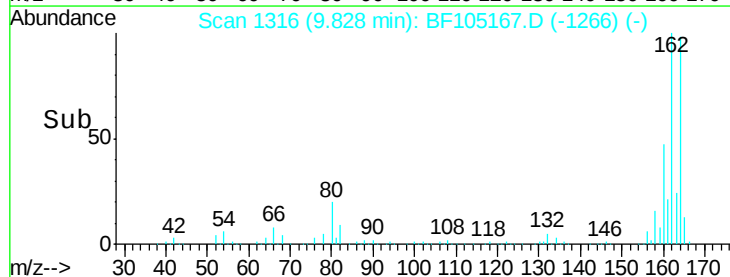
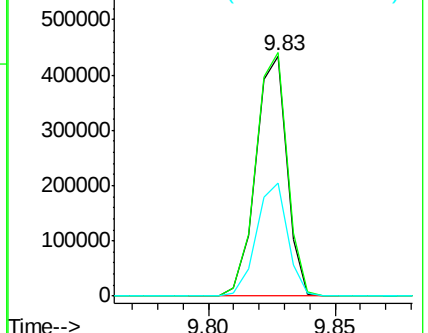
160 47.3 38.3 57.5

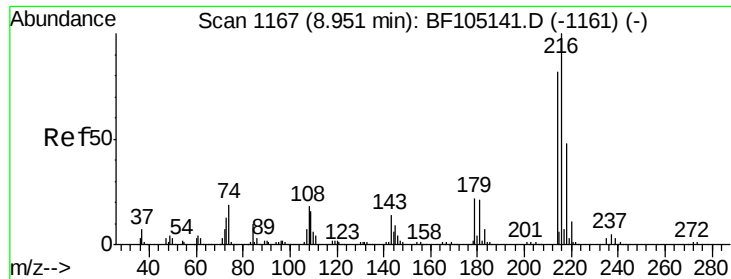


Abundance Ion 164.00 (163.70 to 164.70): E

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: 2.35 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:216 Resp: 27890

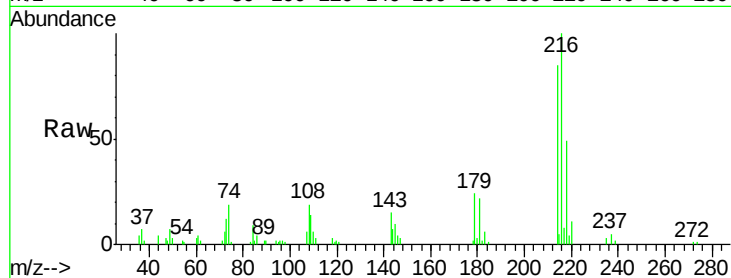
Ion Ratio Lower Upper

216 100

214 79.1 63.0 94.4

179 22.0 18.1 27.1

108 18.0 17.2 25.8

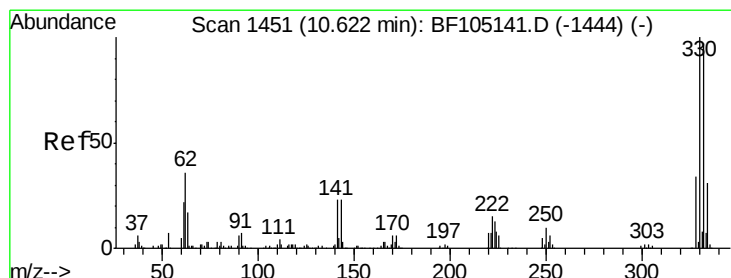
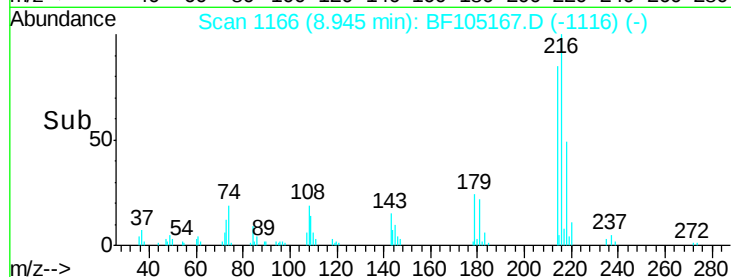
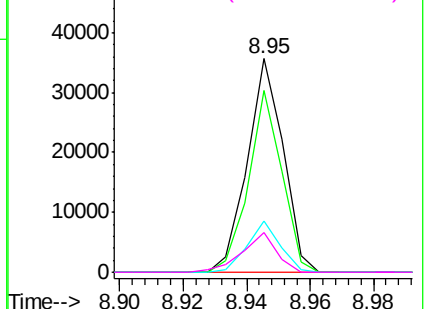


Abundance Ion 216.00 (215.70 to 216.70): E

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



#41

2,4,6-Tribromophenol

Concen: 135.68 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

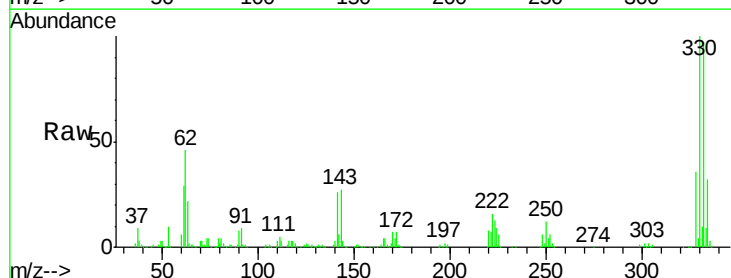
Tgt Ion:330 Resp: 558058

Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.6

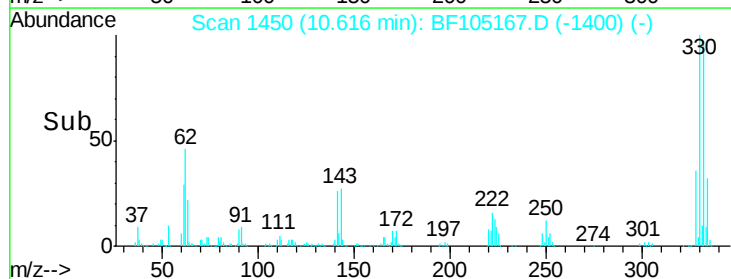
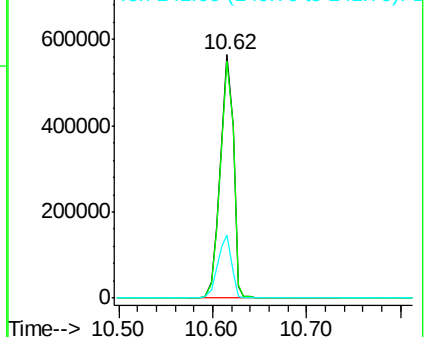
141 27.0 29.9 44.9#

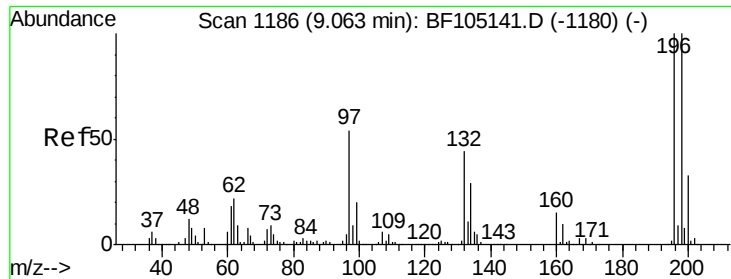


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

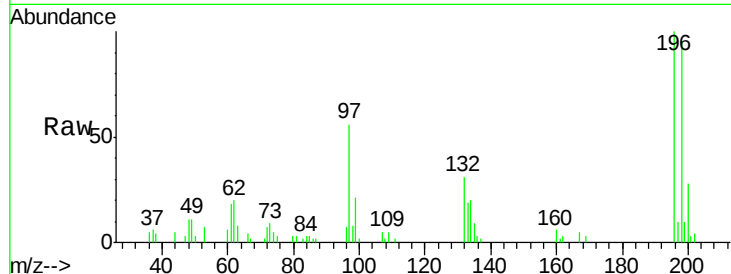




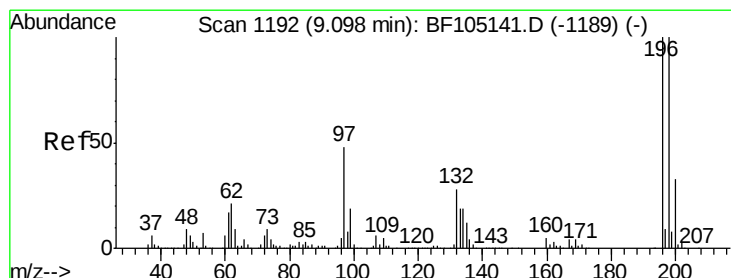
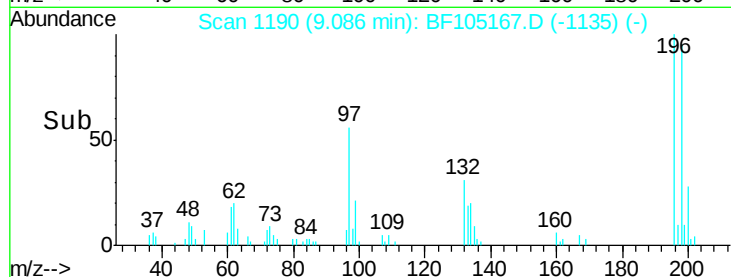
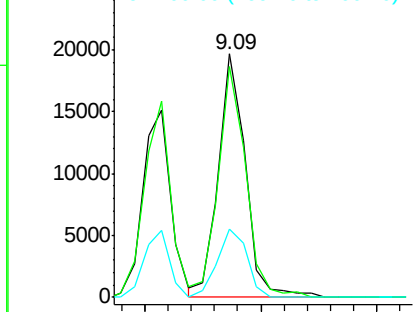
#42
 2,4,6-Trichlorophenol
 Concen: 2.21 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. 0.02 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:196 Resp: 15975
 Ion Ratio Lower Upper
 196 100
 198 94.6 75.7 113.5
 200 28.2 24.5 36.7

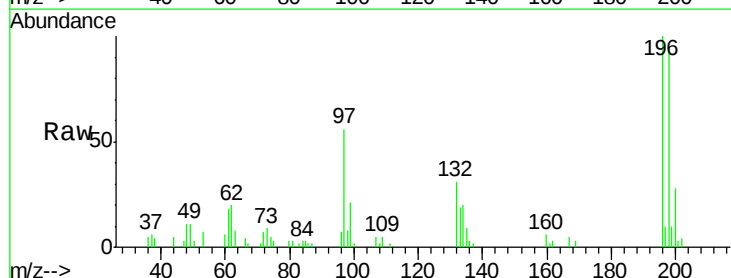


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

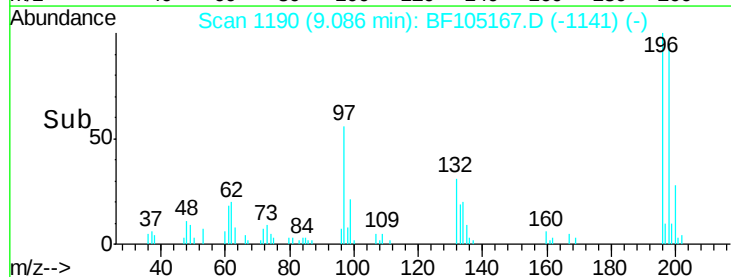
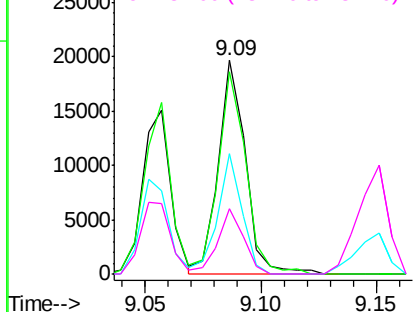


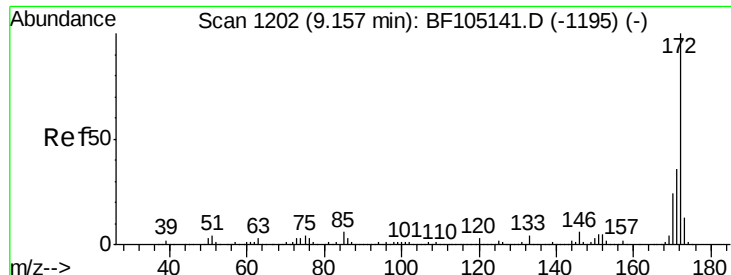
#43
 2,4,5-Trichlorophenol
 Concen: 2.11 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

Tgt Ion:196 Resp: 15975
 Ion Ratio Lower Upper
 196 100
 198 94.6 74.6 112.0
 97 56.3 42.9 64.3
 132 30.8 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

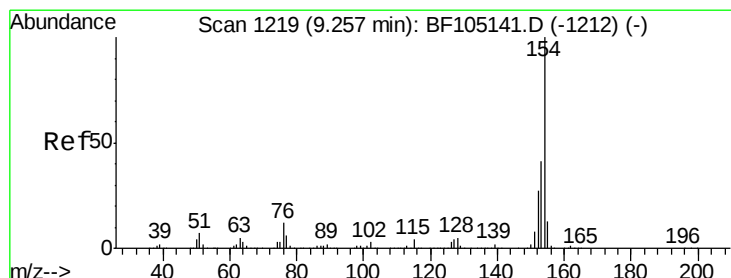
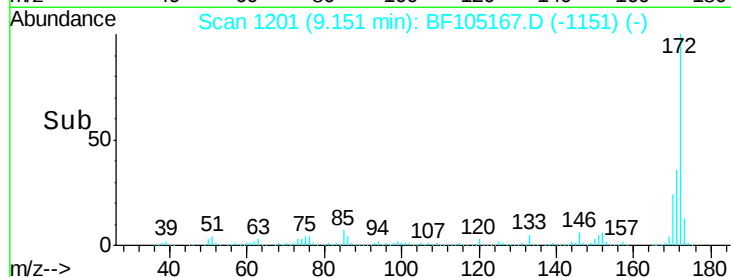
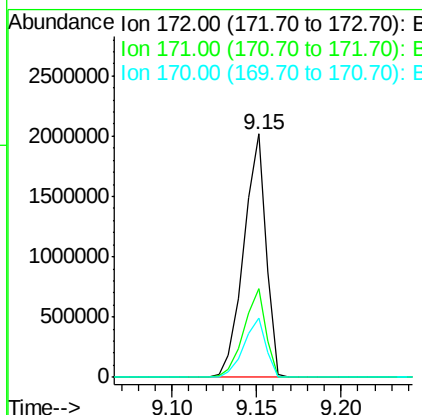
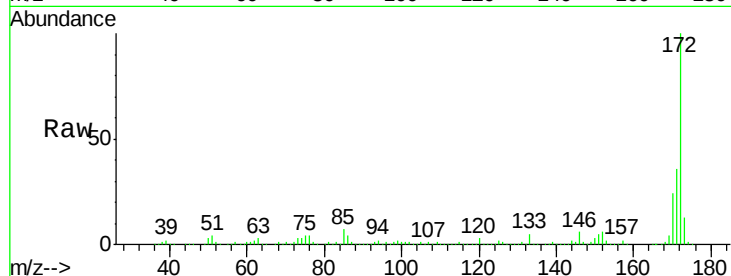




#44
 2-Fluorobiphenyl
 Concen: 77.40 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

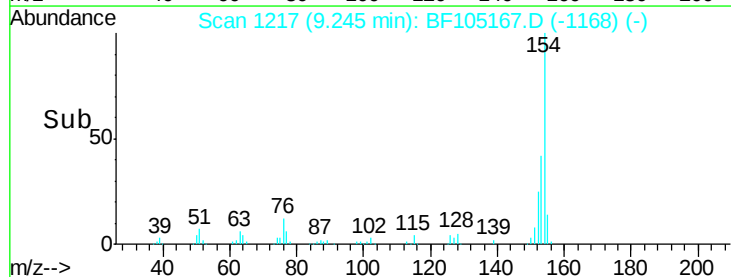
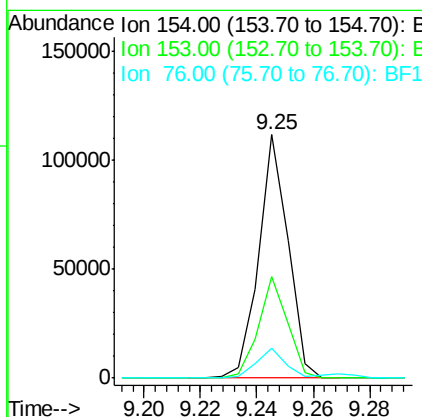
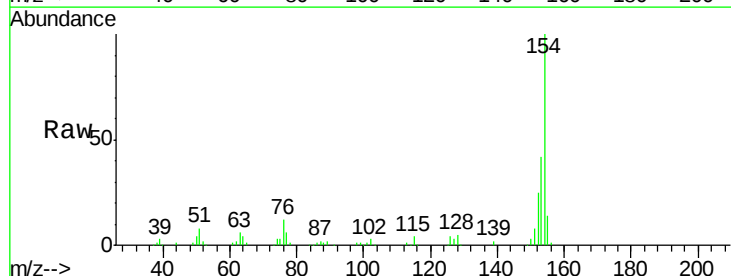
Instrument :
 BNA_F
 ClientSampleId :

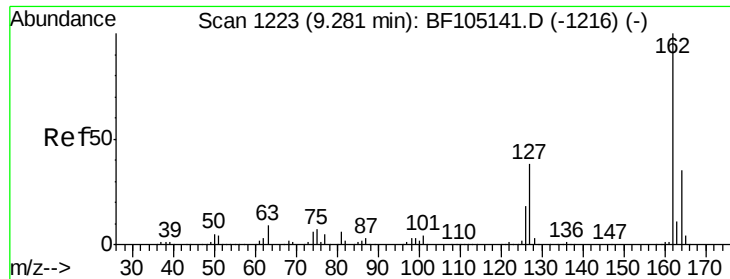
Tot Ion:172 Resp: 1858969
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.3 19.6 29.4



#45
 1,1'-Biphenyl
 Concen: 2.65 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

Tgt Ion:154 Resp: 80455
 Ion Ratio Lower Upper
 154 100
 153 41.5 21.3 61.3
 76 12.3 0.0 34.0

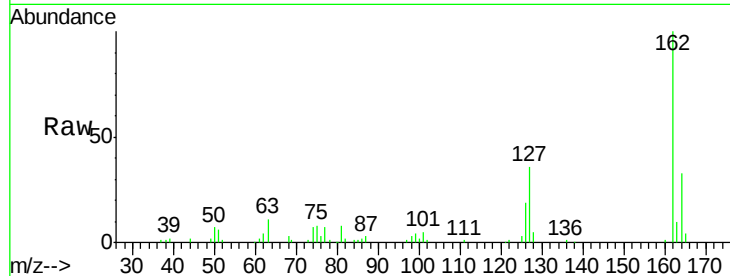




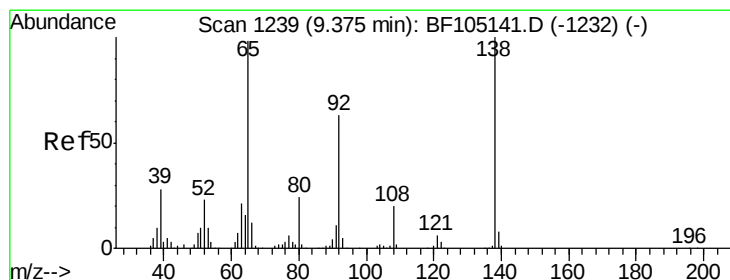
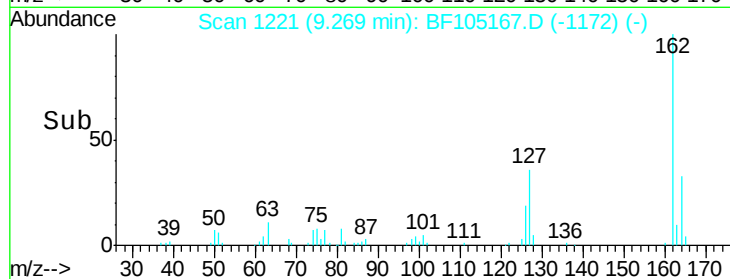
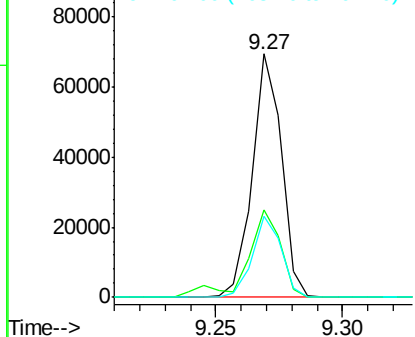
#46
2-Chloronaphthalene
Concen: 2.46 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:162 Resp: 55800
Ion Ratio Lower Upper
162 100
127 35.9 33.9 50.9
164 33.1 26.5 39.7

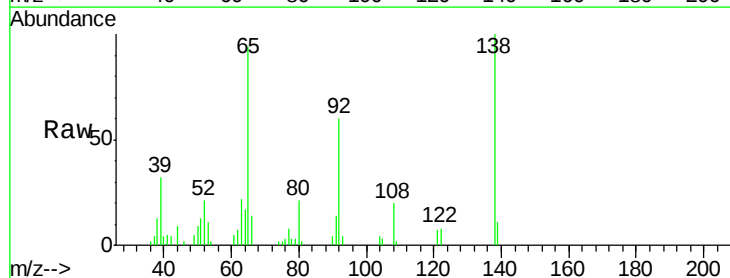


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

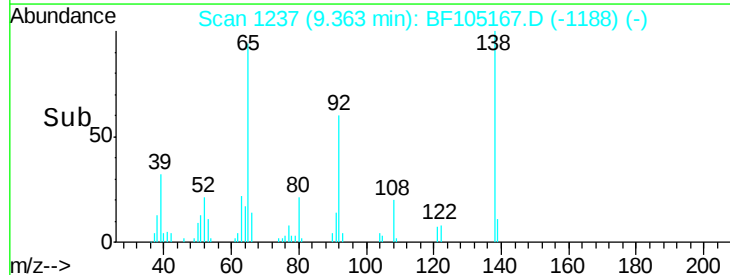
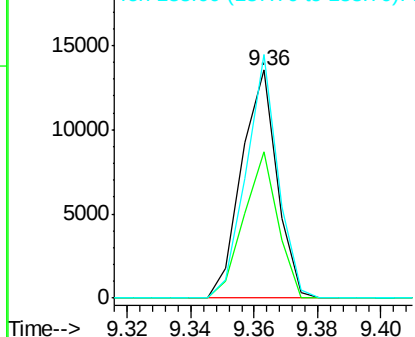


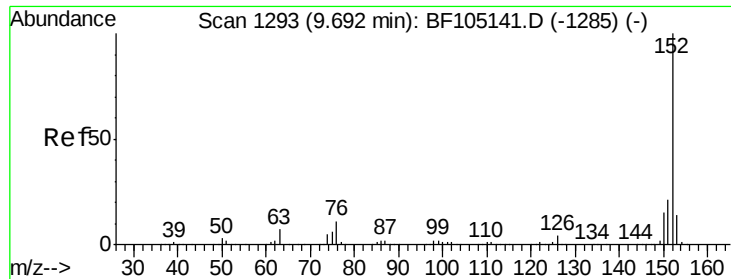
#47
2-Nitroaniline
Concen: 7.20 ng
RT: 9.36 min Scan# 1237
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Tgt Ion: 65 Resp: 10445
Ion Ratio Lower Upper
65 100
92 64.2 55.8 83.6
138 106.7 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): E





#48

Acenaphthylene

Concen: 2.28 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampleId :

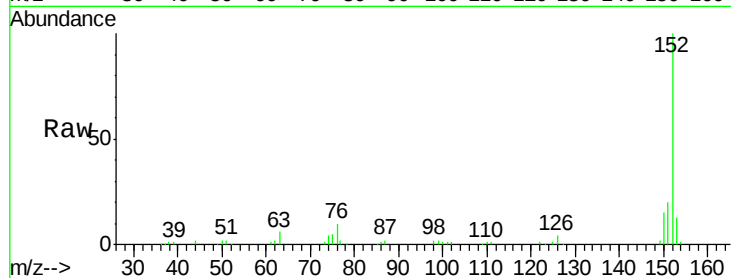
Tot Ion:152 Resp: 80026

Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

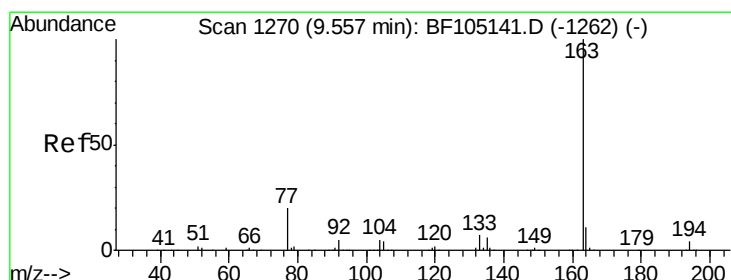
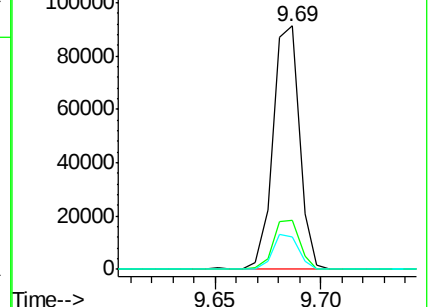
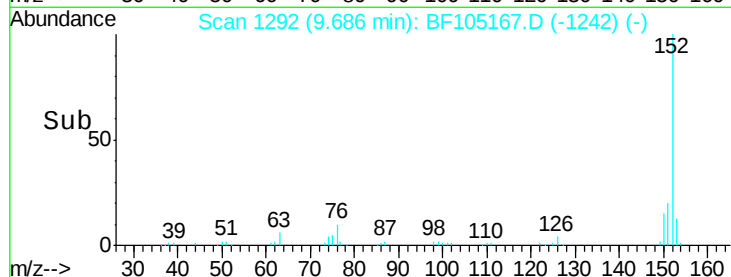
153 13.3 10.7 16.1



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: 2.34 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

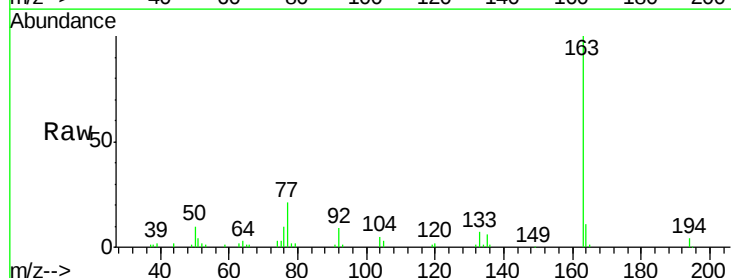
Tgt Ion:163 Resp: 58949

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

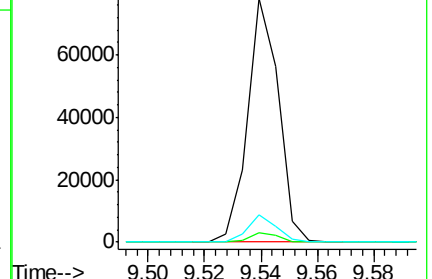
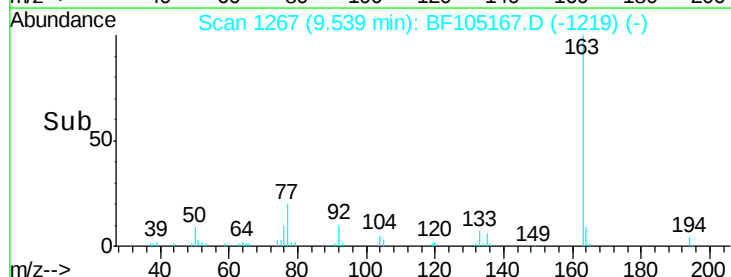
164 11.0 8.2 12.2

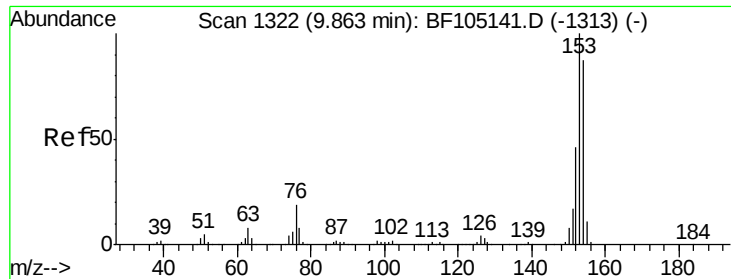


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.41 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampleId :

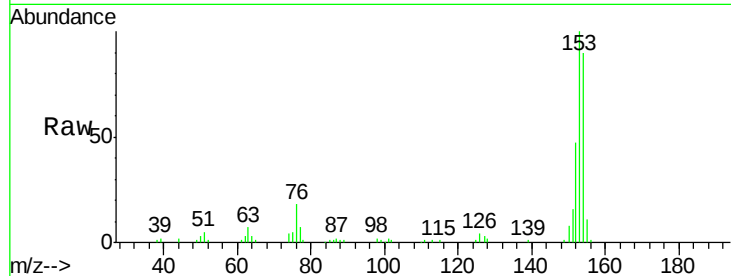
Tot Ion:154 Resp: 54467

Ion Ratio Lower Upper

154 100

153 111.2 91.2 136.8

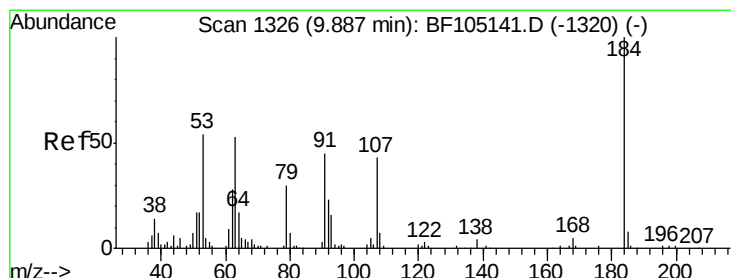
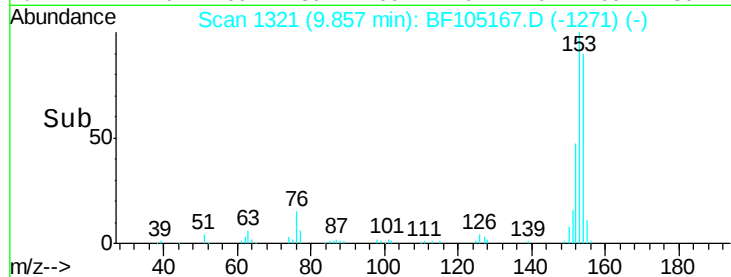
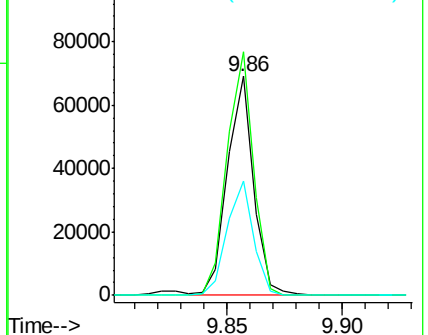
152 52.4 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 10.25 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

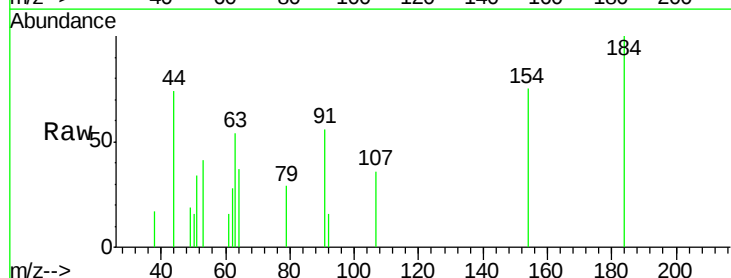
Tgt Ion:184 Resp: 1337

Ion Ratio Lower Upper

184 100

63 54.0 54.2 81.2#

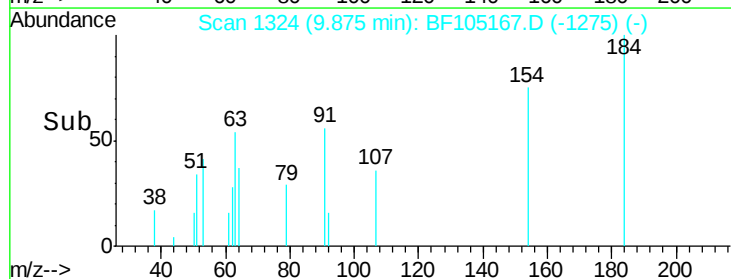
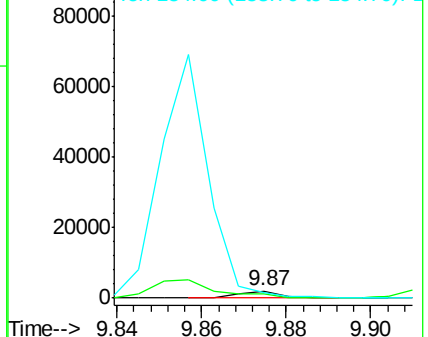
154 74.9 184.0 276.0#

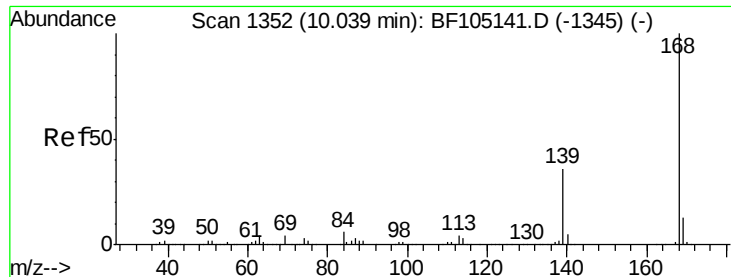


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

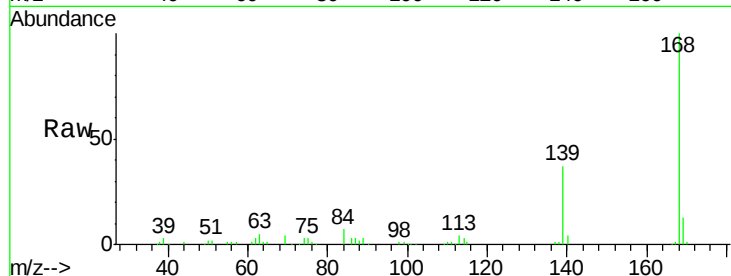




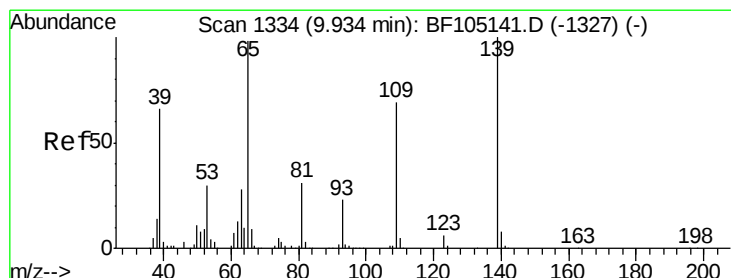
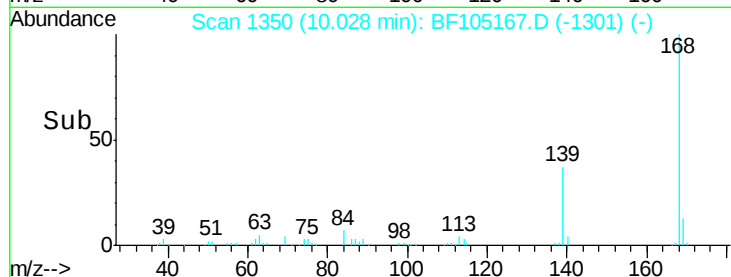
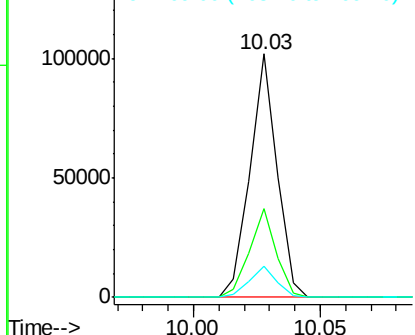
#54
Dibenzenofuran
Concen: 2.30 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 75894
Ion Ratio Lower Upper
168 100
139 36.7 30.1 45.1
169 12.6 10.9 16.3

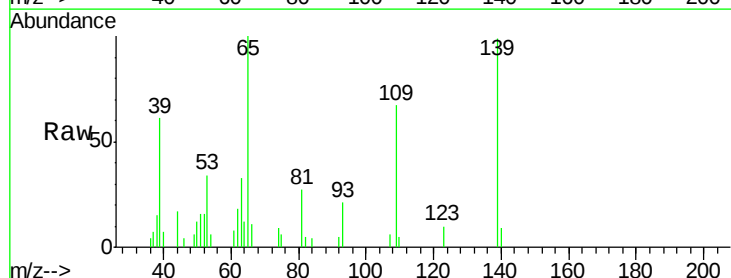


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

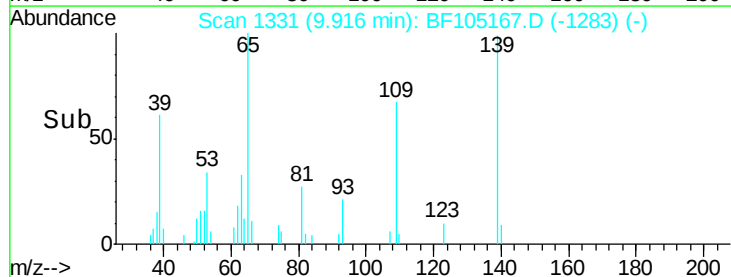
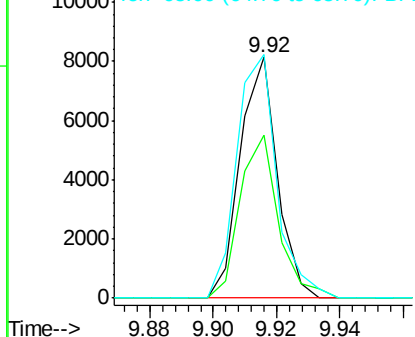


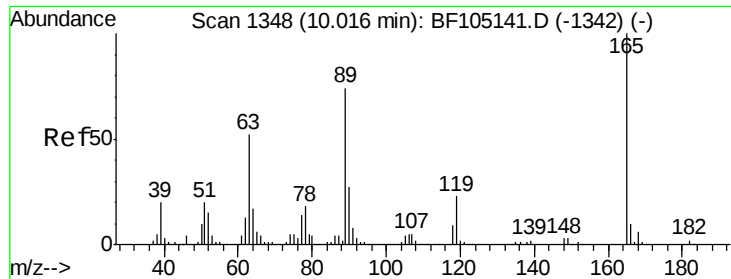
#55
4-Nitrophenol
Concen: 5.50 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Tgt Ion:139 Resp: 6588
Ion Ratio Lower Upper
139 100
109 67.6 48.4 88.4
65 101.3 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

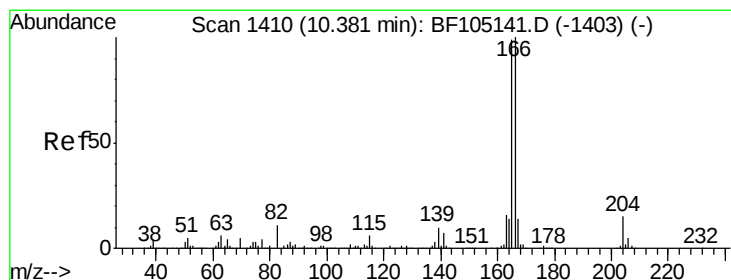
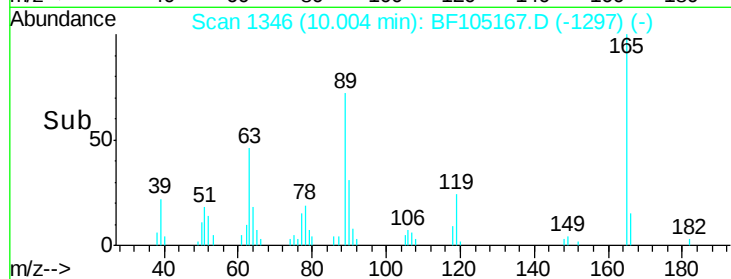
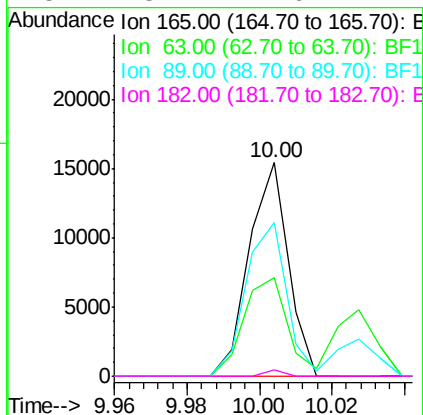
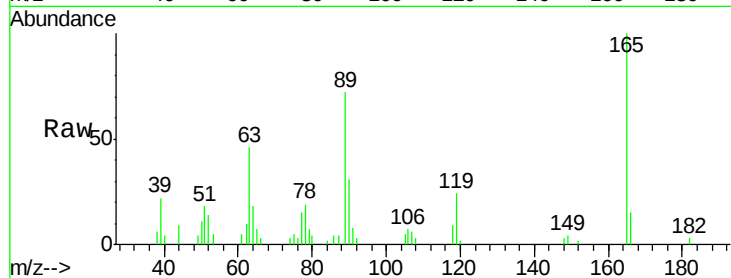




#56
2,4-Dinitrotoluene
Concen: 5.07 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

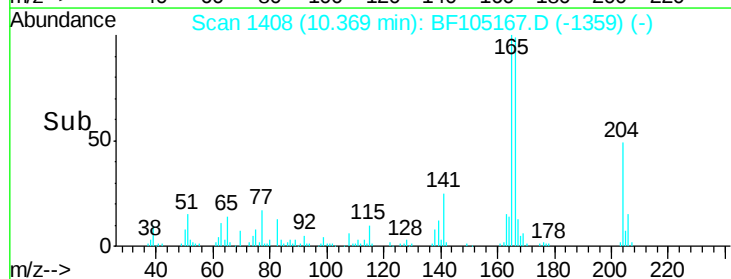
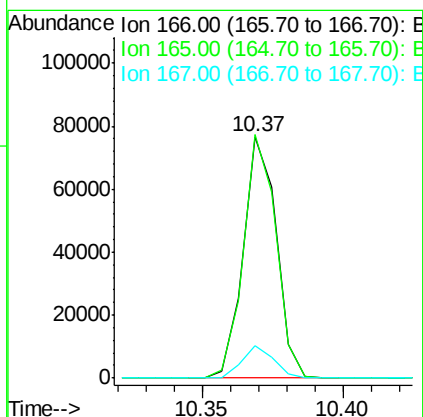
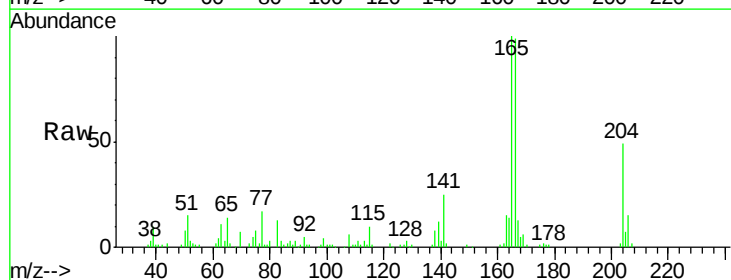
Instrument :
BNA_F
ClientSampleId :

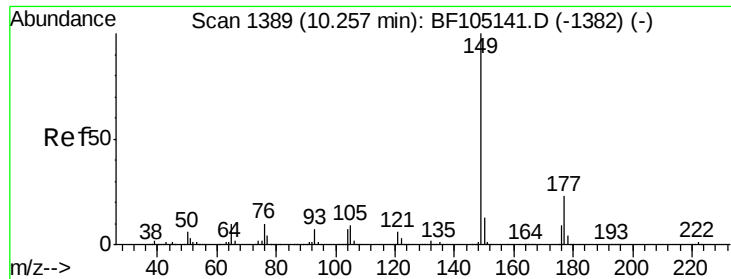
Tot Ion:165 Resp: 11507
Ion Ratio Lower Upper
165 100
63 46.3 36.4 54.6
89 71.8 57.8 86.6
182 3.2 1.6 2.4#



#57
Fluorene
Concen: 2.57 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Tgt Ion:166 Resp: 62197
Ion Ratio Lower Upper
166 100
165 100.9 79.8 119.8
167 13.5 10.6 16.0





#59

Diethylphthalate

Concen: 2.35 ng

RT: 10.25 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampleId :

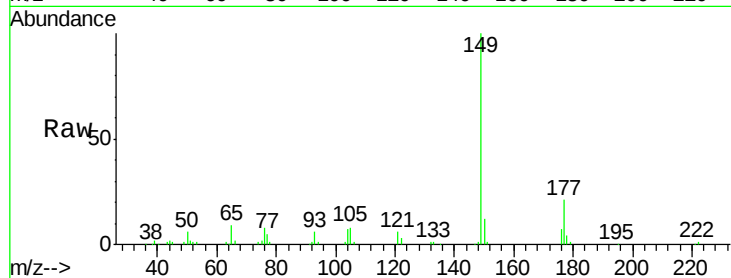
Tot Ion:149 Resp: 58227

Ion Ratio Lower Upper

149 100

177 21.4 16.1 24.1

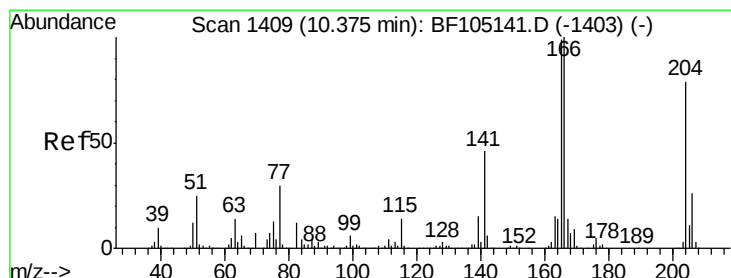
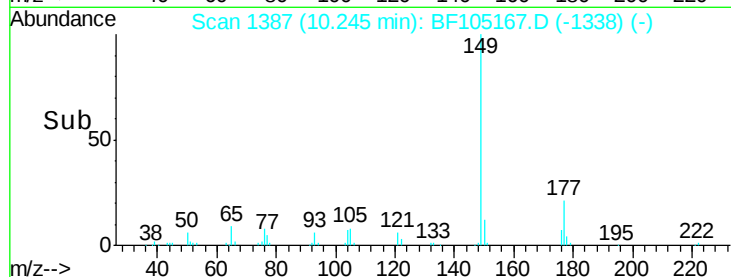
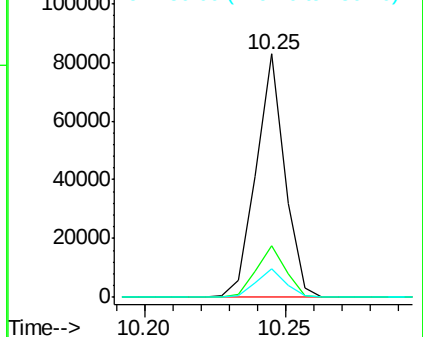
150 11.9 10.1 15.1



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: 2.56 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

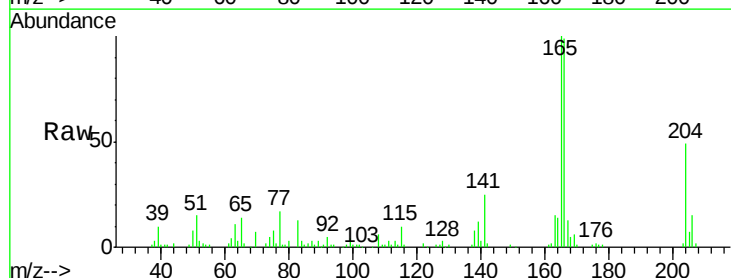
Tgt Ion:204 Resp: 28885

Ion Ratio Lower Upper

204 100

206 30.6 26.5 39.7

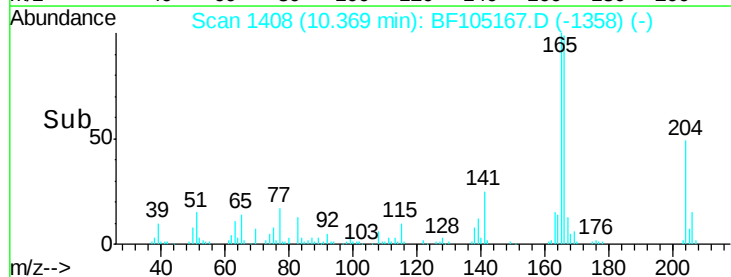
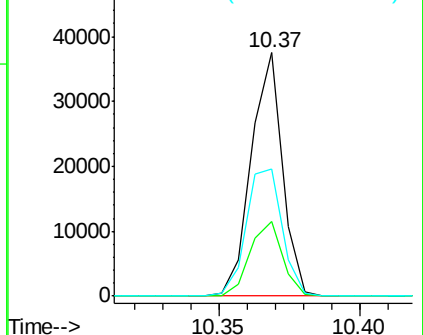
141 52.0 54.6 81.8#

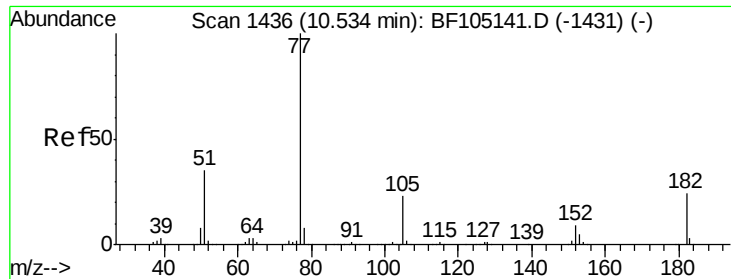


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#62

Azobenzene

Concen: 2.11 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 54670

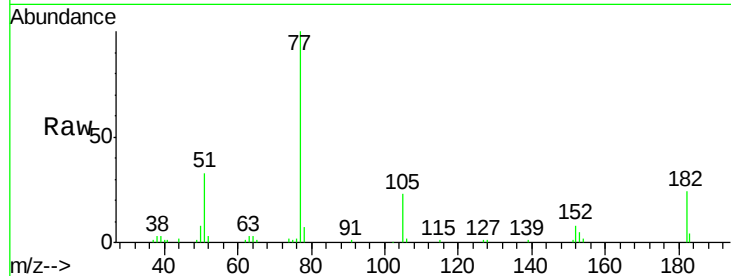
Ion Ratio Lower Upper

77 100

182 24.2 1.7 41.7

105 22.8 3.0 43.0

51 33.2 9.9 49.9

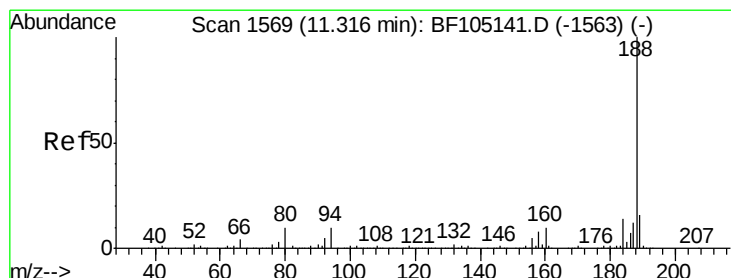
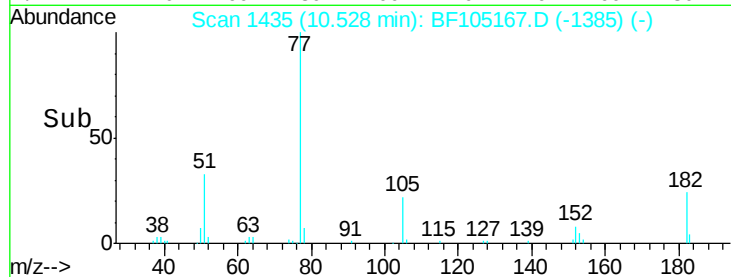
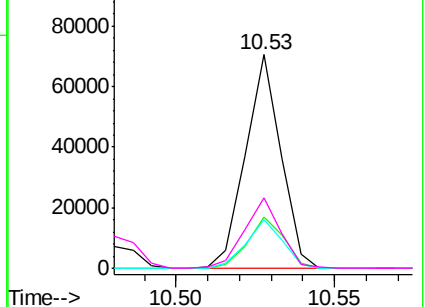


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

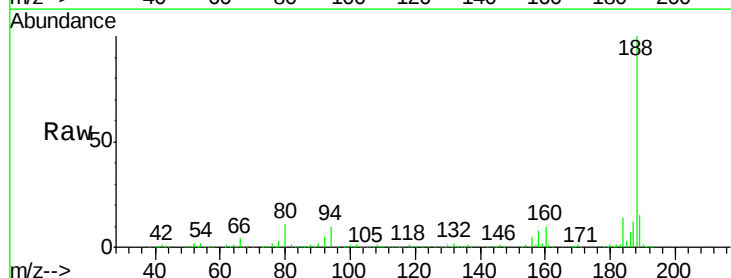
Tgt Ion: 188 Resp: 747450

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

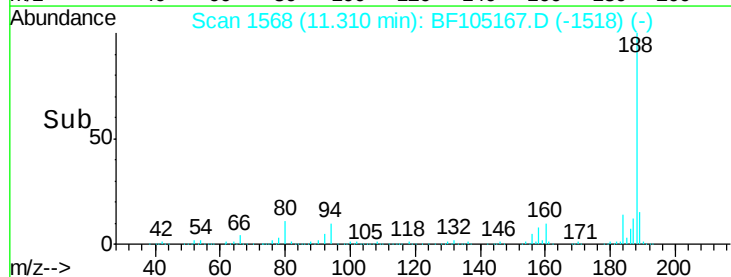
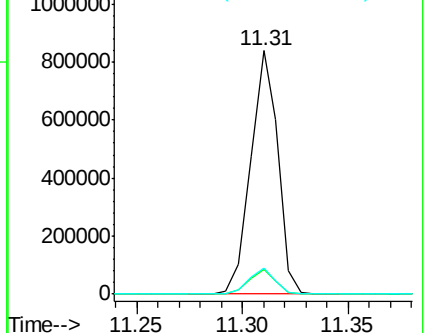
80 10.7 9.2 13.8

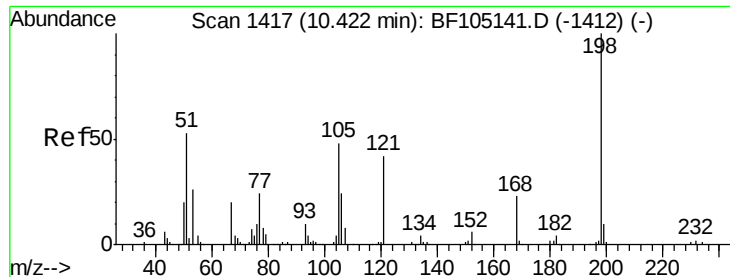


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

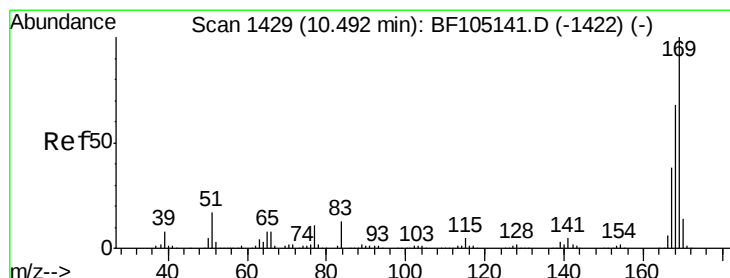
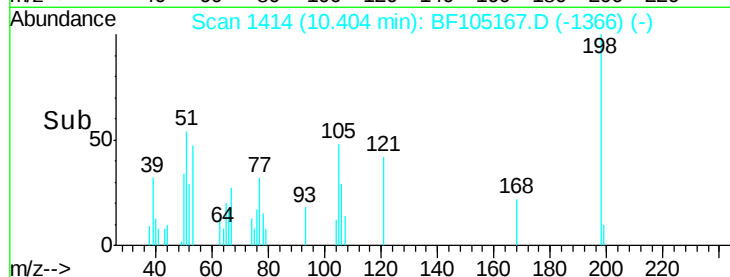
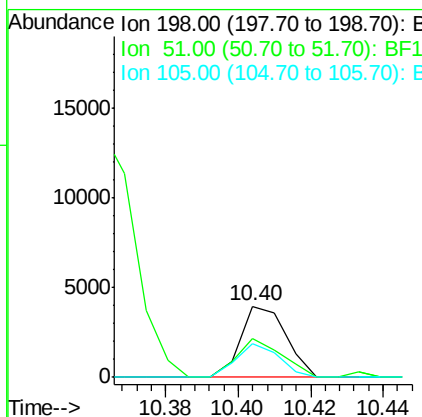
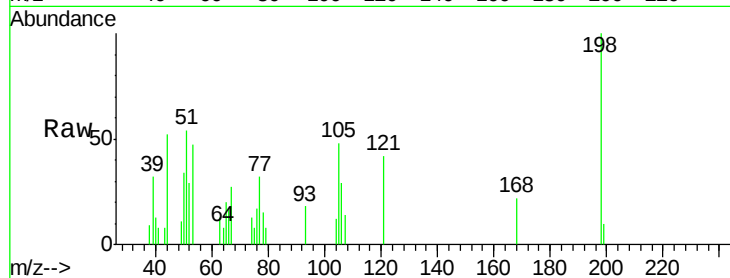




#64
 4,6-Dinitro-2-methylphenol
 Concen: 10.04 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.02 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

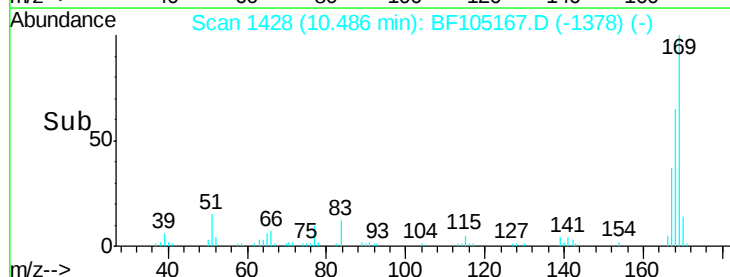
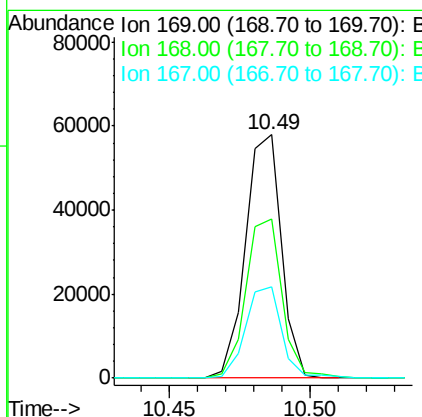
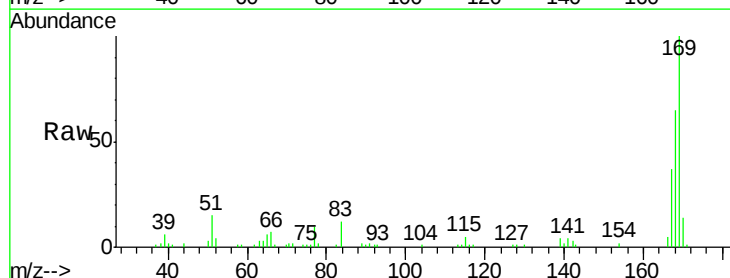
Instrument :
 BNA_F
 ClientSampleId :

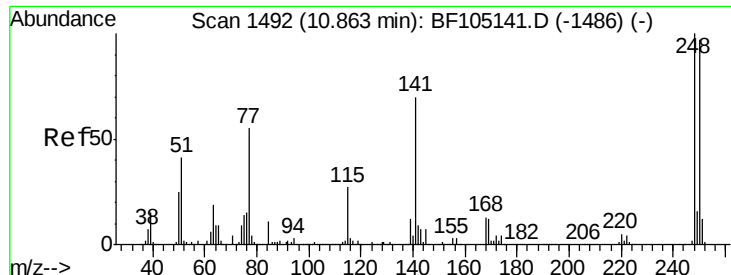
Tot Ion:198 Resp: 3427
 Ion Ratio Lower Upper
 198 100
 51 54.2 37.7 77.7
 105 47.6 36.3 76.3



#65
 n-Nitrosodiphenylamine
 Concen: 2.19 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

Tgt Ion:169 Resp: 51015
 Ion Ratio Lower Upper
 169 100
 168 65.3 54.4 81.6
 167 37.5 29.8 44.6

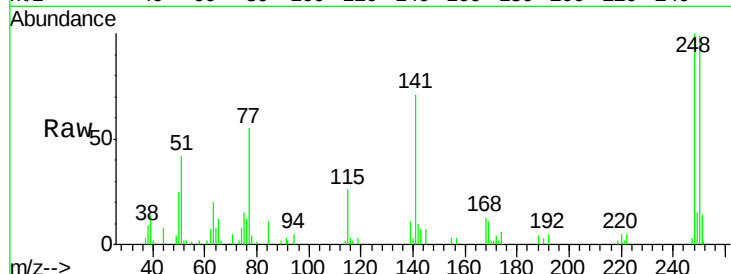




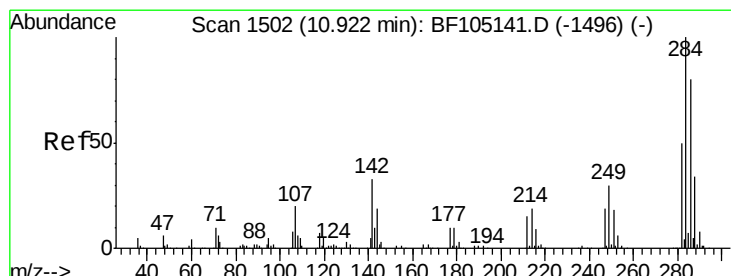
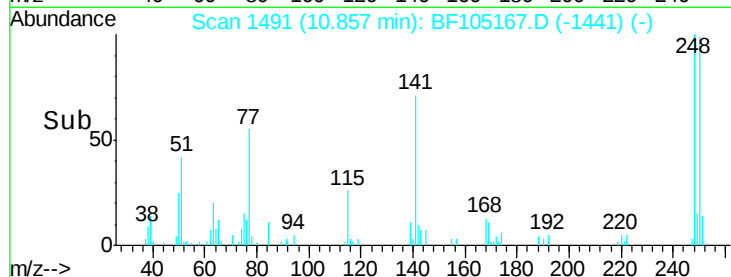
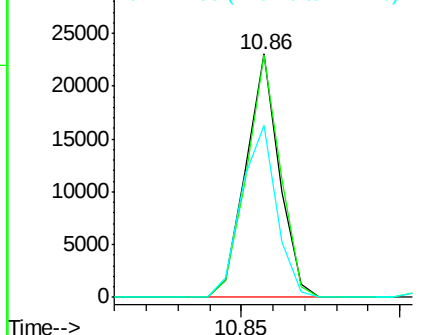
#66
4-Bromophenyl-phenylether
Concen: 2.11 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16813
Ion Ratio Lower Upper
248 100
250 99.3 76.9 115.3
141 70.6 74.4 111.6#

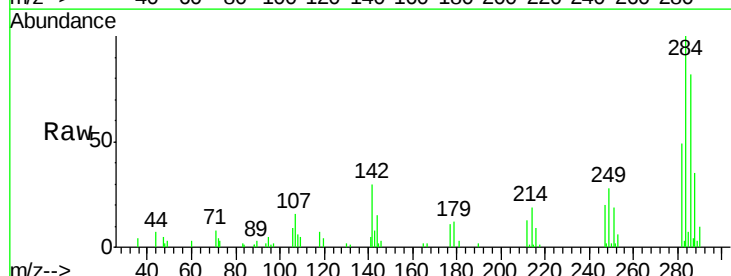


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

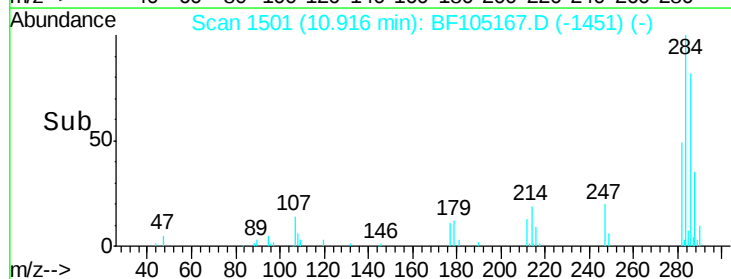
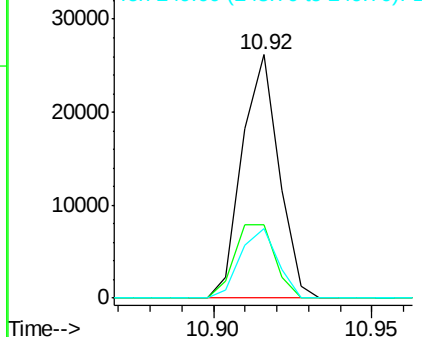


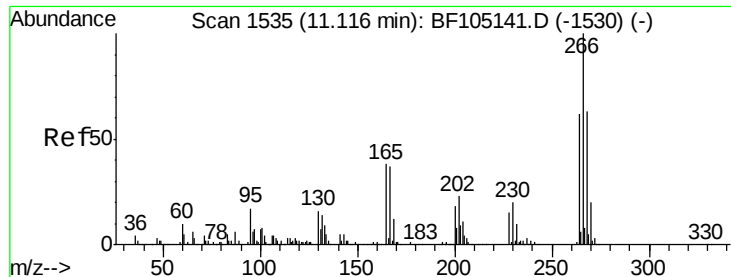
#67
Hexachlorobenzene
Concen: 2.29 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Tgt Ion:284 Resp: 20999
Ion Ratio Lower Upper
284 100
142 30.3 34.6 52.0#
249 28.4 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

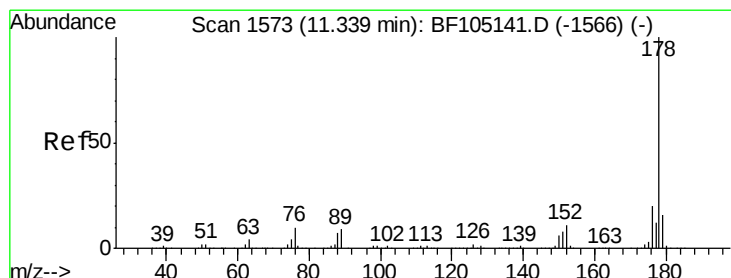
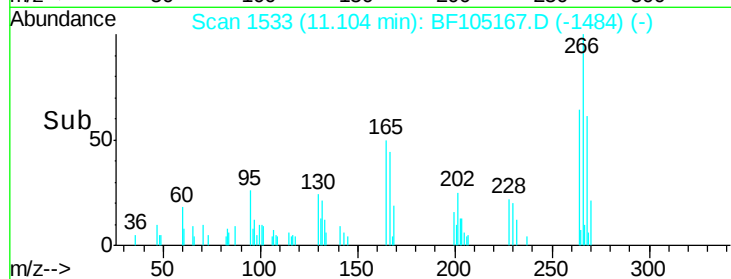
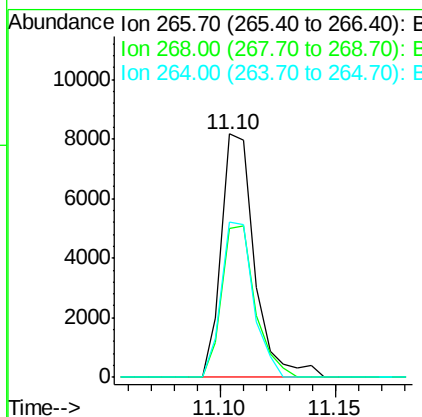
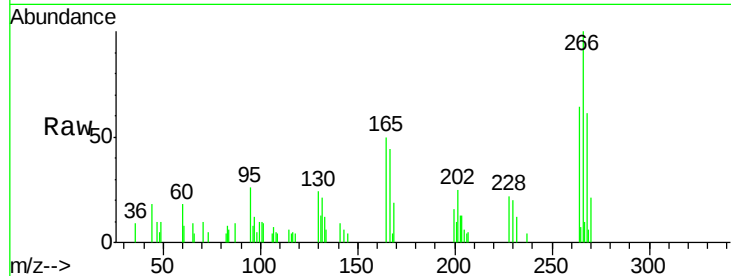




#69
 Pentachlorophenol
 Concen: 4.67 ng
 RT: 11.10 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

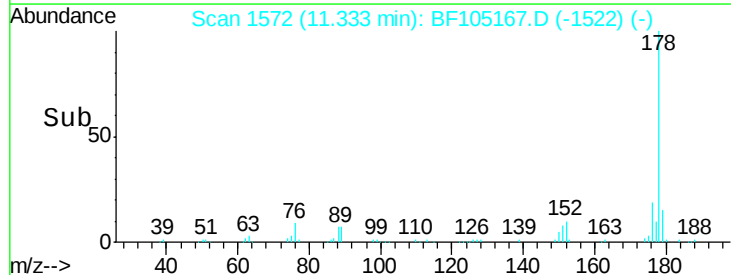
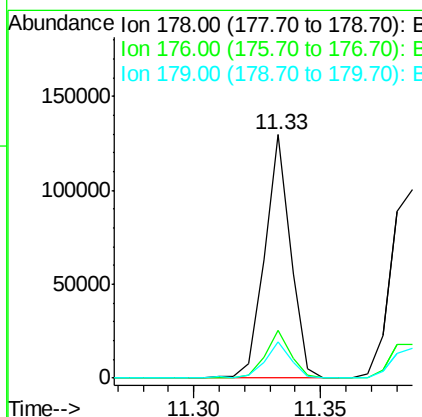
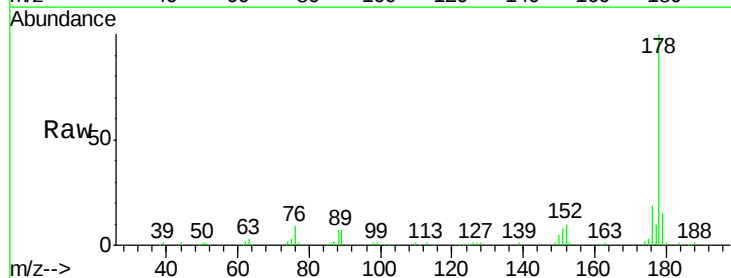
Instrument :
 BNA_F
 ClientSampled :

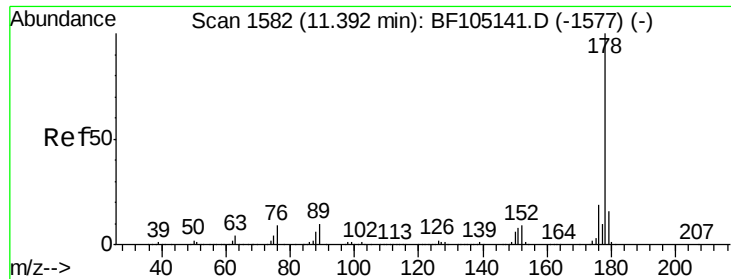
Tot Ion:266 Resp: 8182
 Ion Ratio Lower Upper
 266 100
 268 61.2 51.1 76.7
 264 63.5 49.5 74.3



#70
 Phenanthrene
 Concen: 2.35 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

Tgt Ion:178 Resp: 92718
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 14.7 13.0 19.6

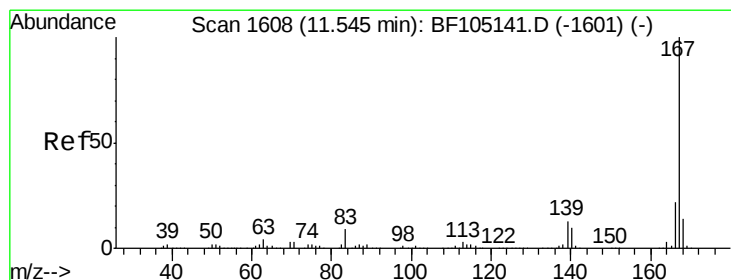
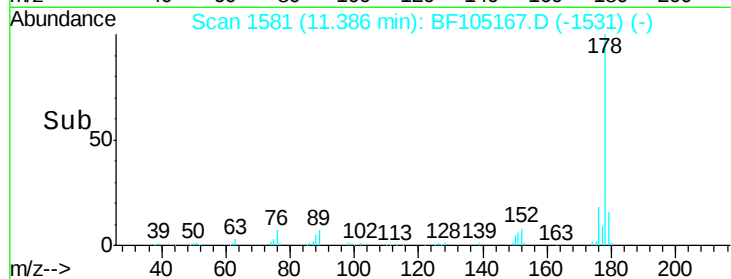
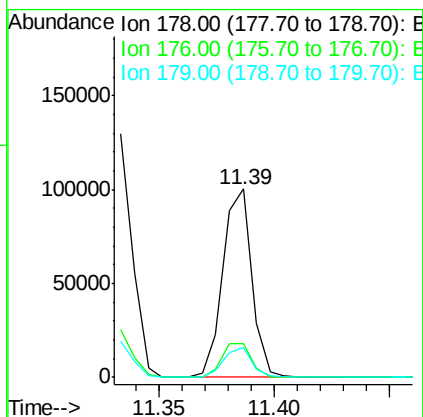
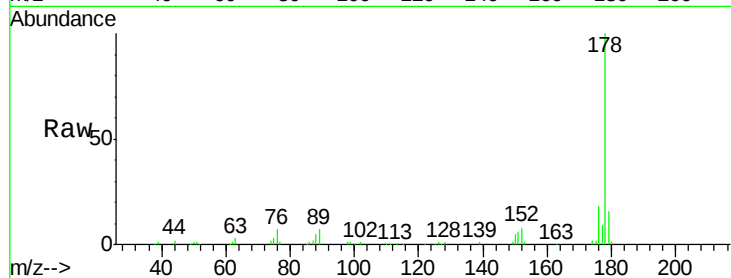




#71
 Anthracene
 Concen: 2.18 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

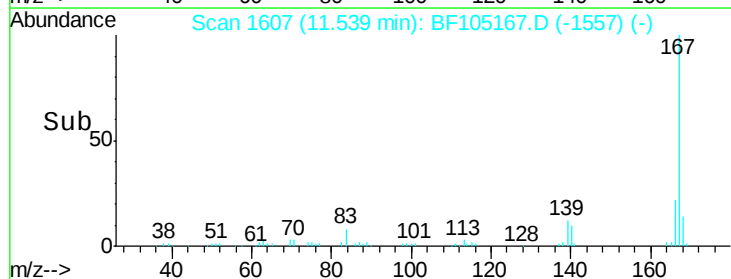
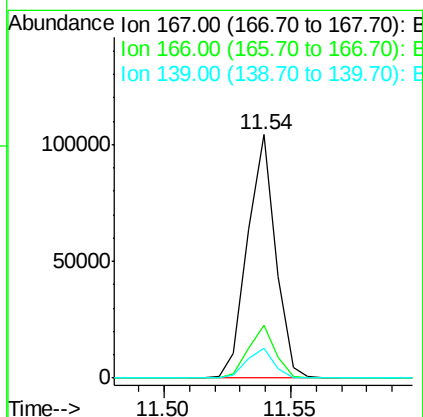
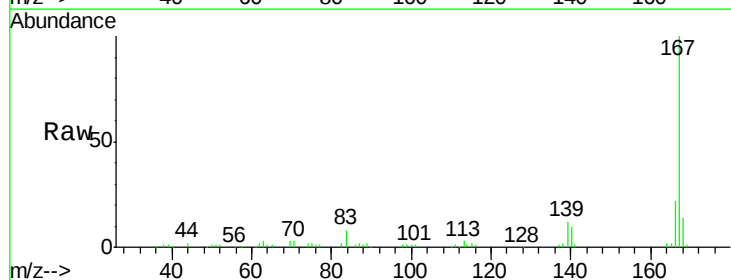
Instrument :
 BNA_F
 ClientSampleId :

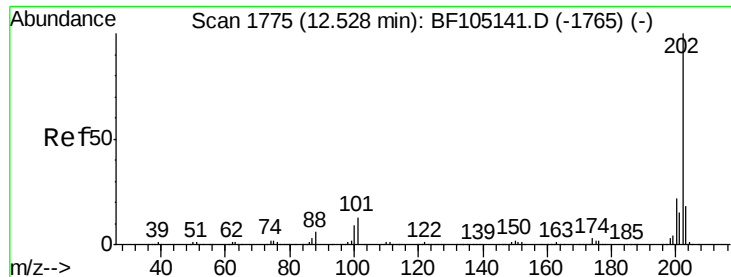
Tot Ion:178 Resp: 87464
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.2
 179 15.9 12.6 19.0



#72
 Carbazole
 Concen: 2.23 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

Tgt Ion:167 Resp: 80353
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.6 26.4
 139 12.0 10.9 16.3

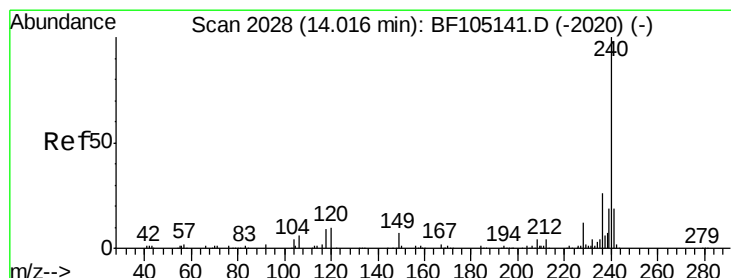
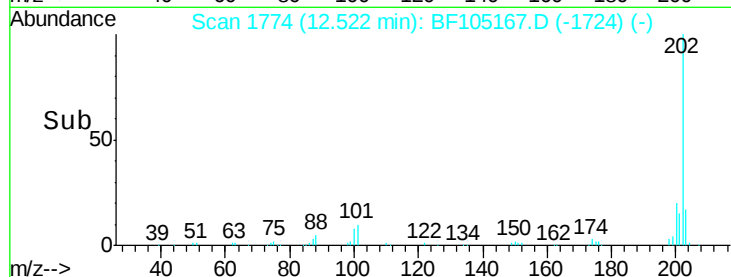
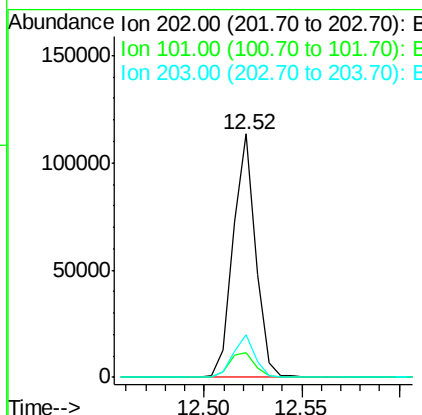
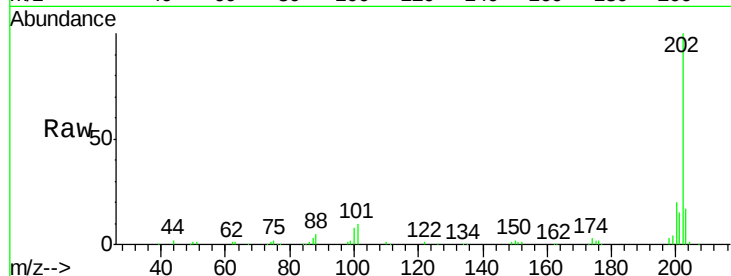




#74
Fluoranthene
Concen: 2.20 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

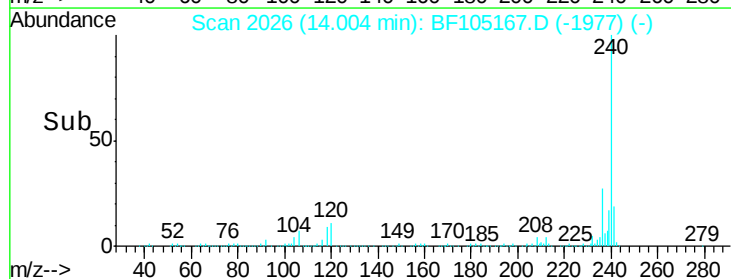
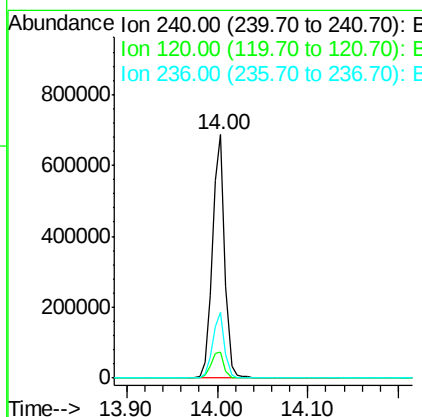
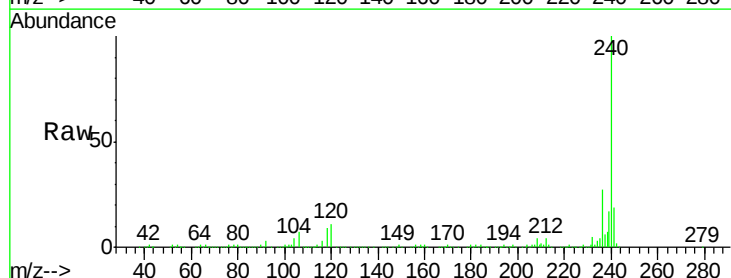
Instrument :
BNA_F
ClientSampleId :

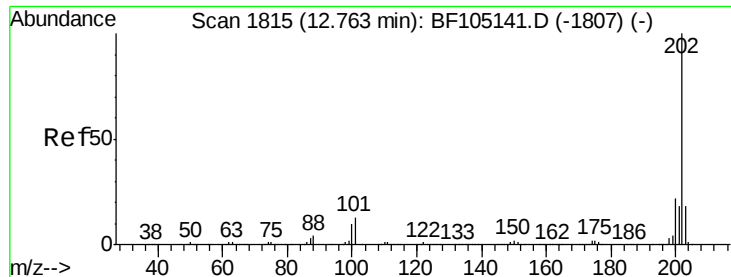
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	34.1
203	17.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.5	14.3
236	27.0	20.7	31.1

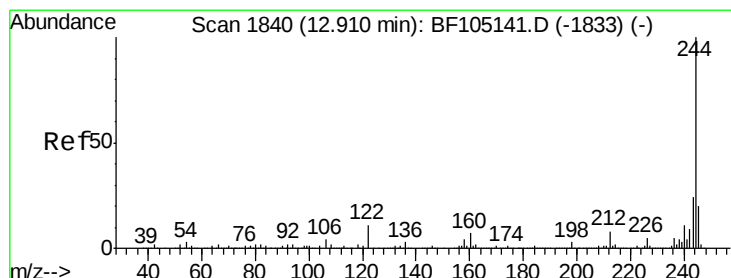
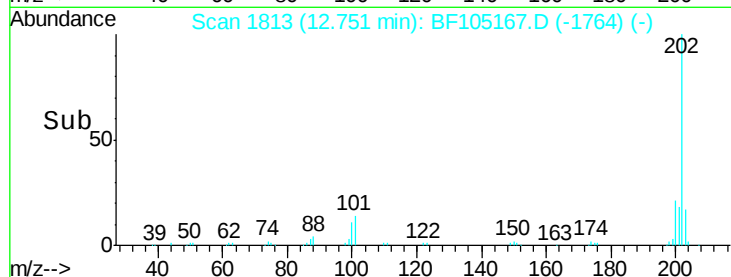
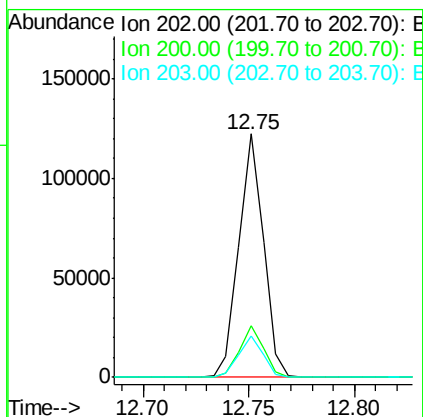
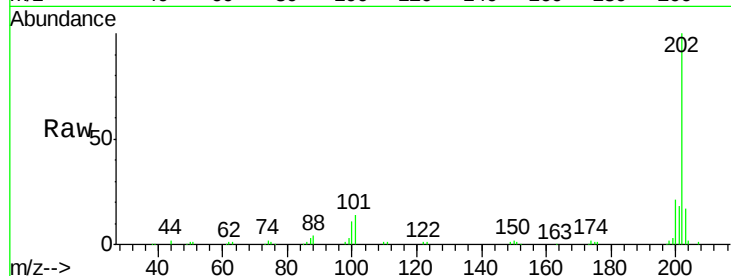




#77
Pvrene
Concen: 2.08 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

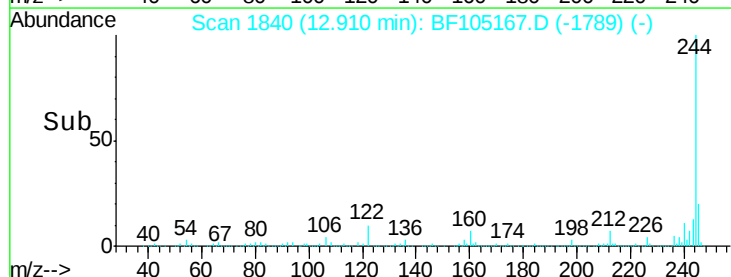
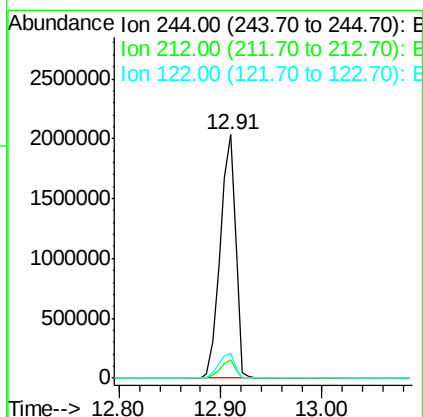
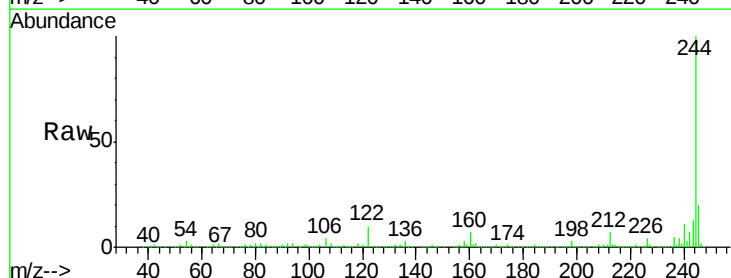
Instrument :
BNA_F
ClientSampleId :

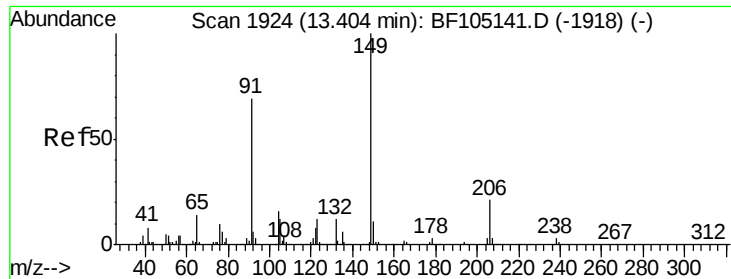
Tot Ion:202 Resp: 98781
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.2 14.3 21.5



#78
Terphenyl-d14
Concen: 75.95 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Tgt Ion:244 Resp: 2130498
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.0
122 9.9 11.0 16.4#

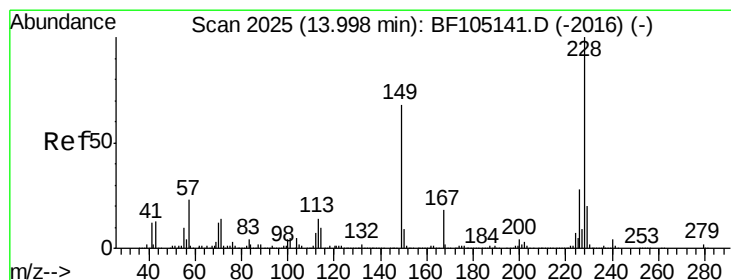
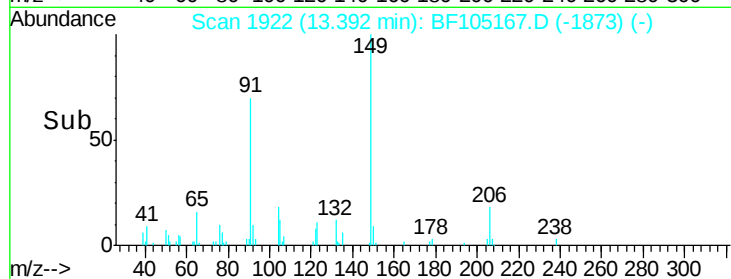
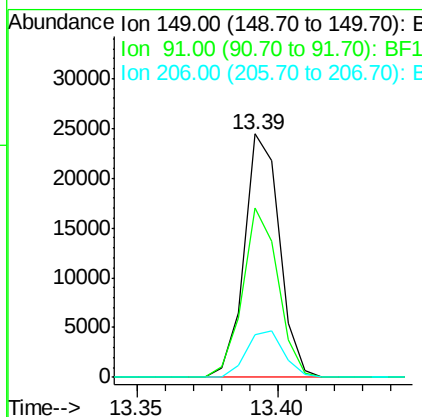
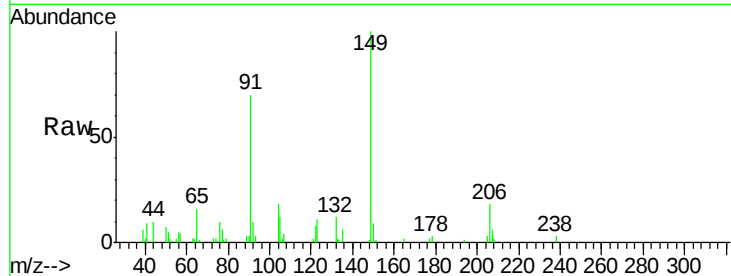




#79
Butylbenzylphthalate
Concen: 7.95 ng
RT: 13.39 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

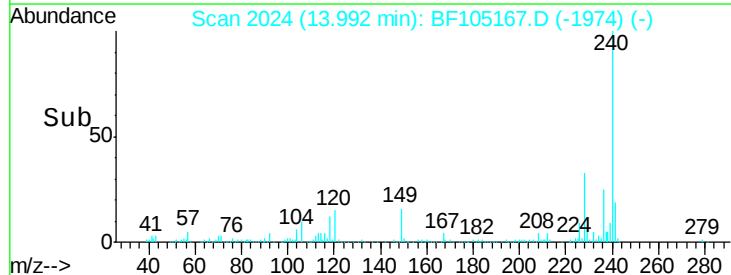
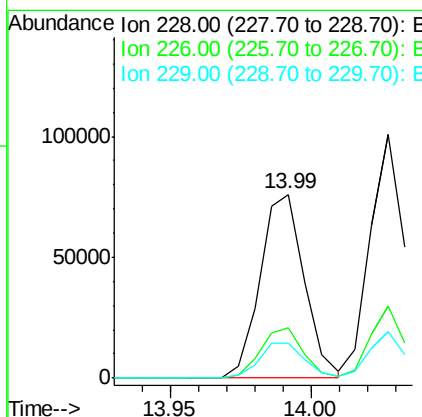
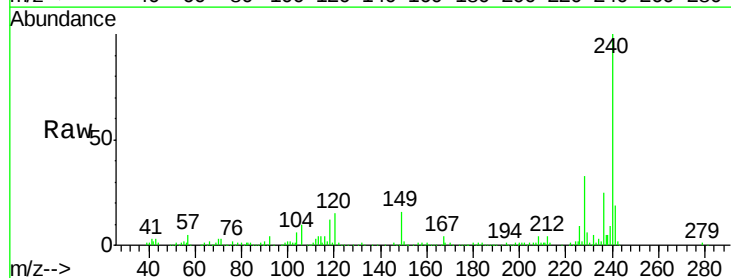
Instrument :
BNA_F
ClientSampleId :

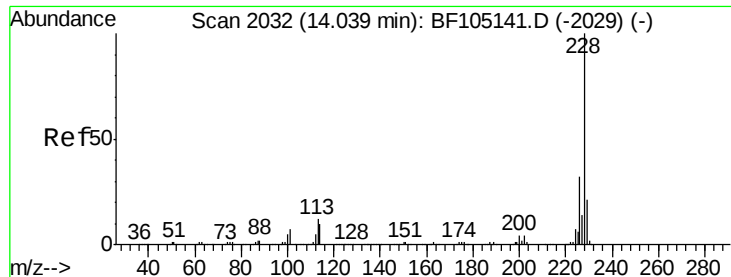
Tot Ion:149 Resp: 21082
Ion Ratio Lower Upper
149 100
91 69.7 56.8 85.2
206 17.6 14.1 21.1



#80
Benzo(a)anthracene
Concen: 2.09 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Tgt Ion:228 Resp: 82454
Ion Ratio Lower Upper
228 100
226 27.4 22.6 33.8
229 19.2 15.8 23.6





#82

Chrysene

Concen: 2.16 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

Instrument :

BNA_F

ClientSampled :

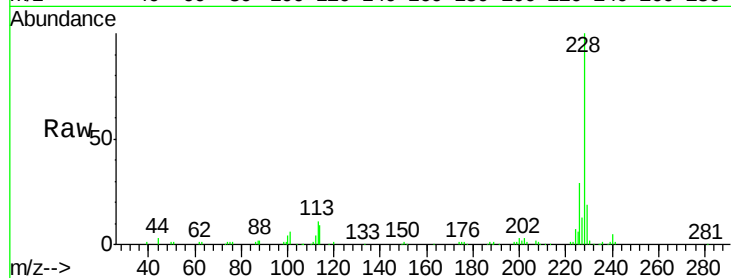
Tot Ion:228 Resp: 87736

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

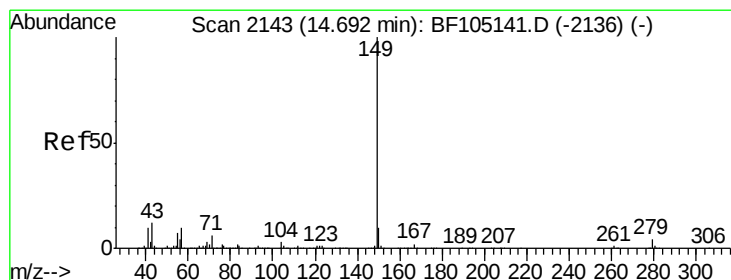
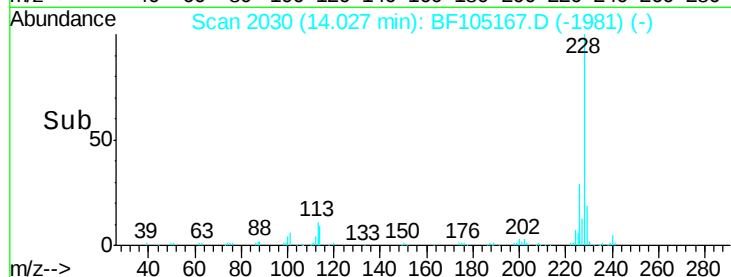
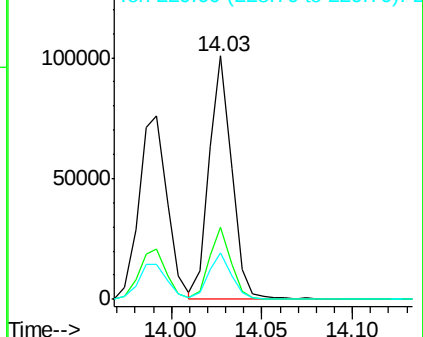
229 19.1 16.2 24.4



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



#84

Di-n-octyl phthalate

Concen: 7.74 ng

RT: 14.68 min Scan# 2141

Delta R.T. -0.01 min

Lab File: BF105167.D

Acq: 9 May 2018 1:38

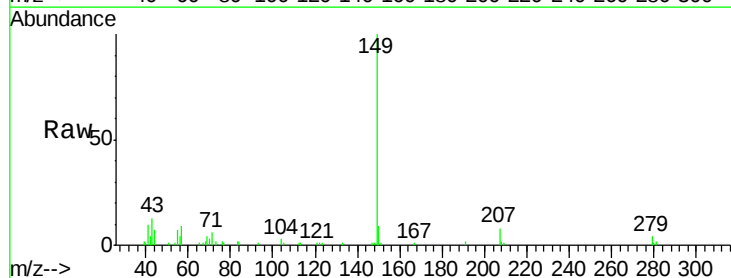
Tgt Ion:149 Resp: 35881

Ion Ratio Lower Upper

149 100

167 0.9 1.2 1.8#

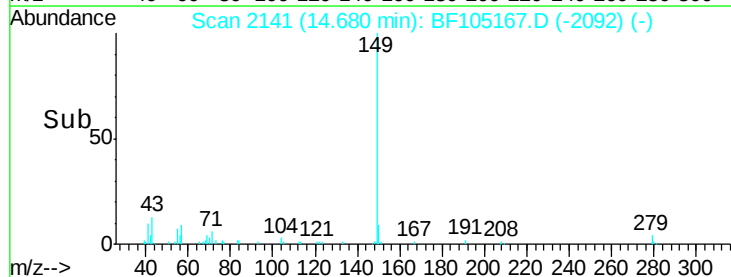
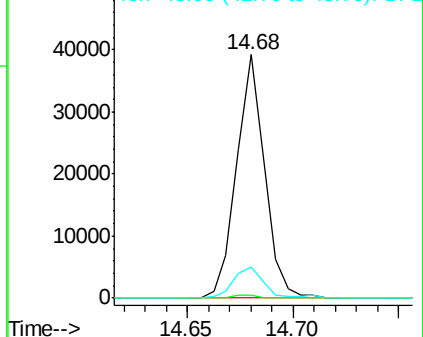
43 14.4 8.4 12.6#

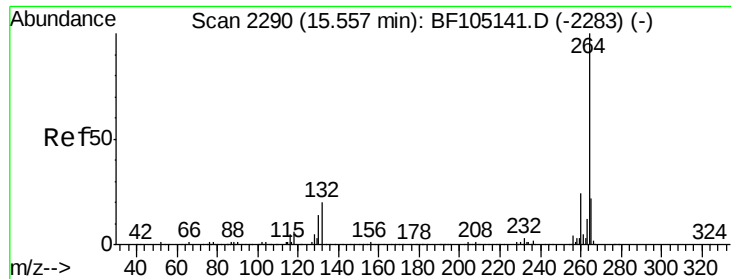


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

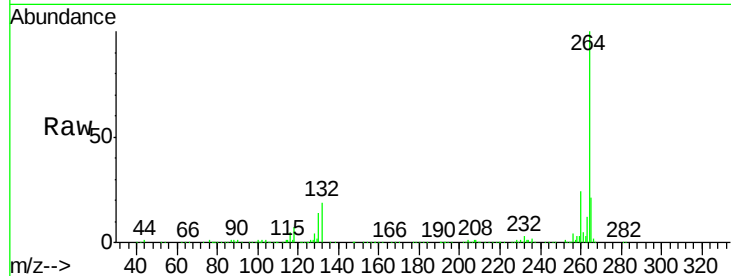




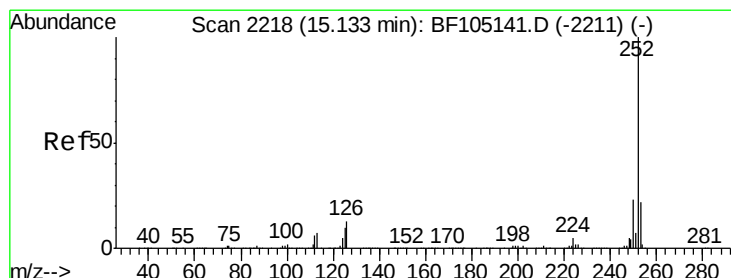
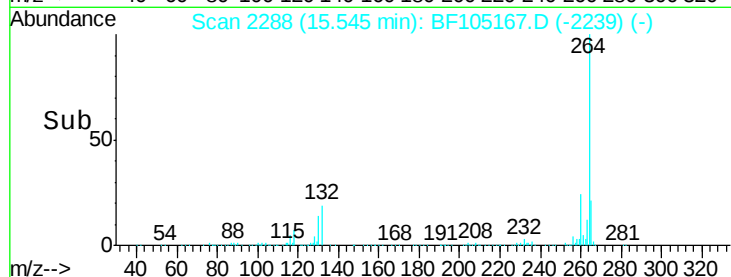
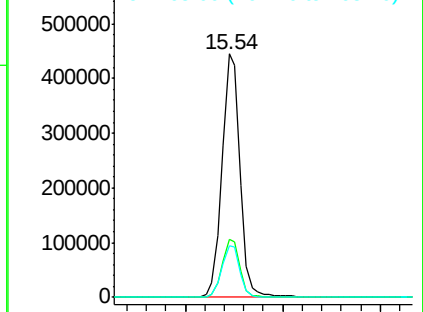
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 567903
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.4 17.5 26.3

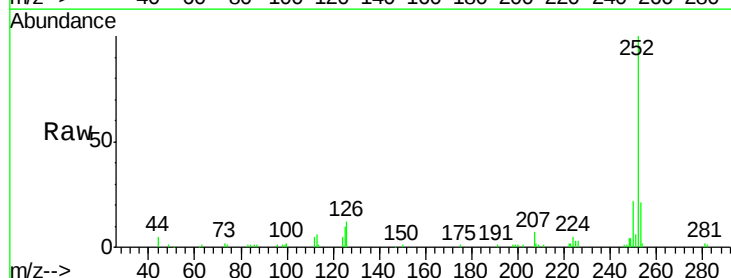


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

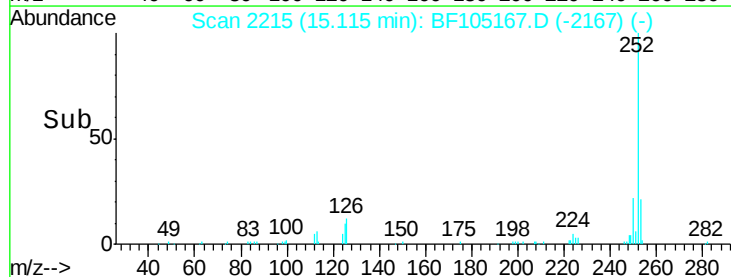
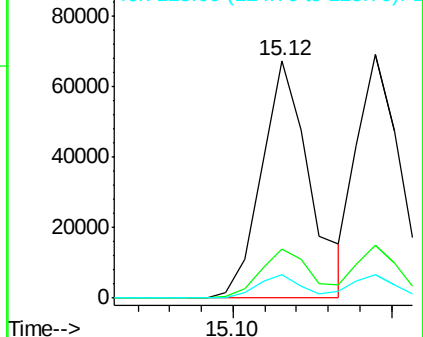


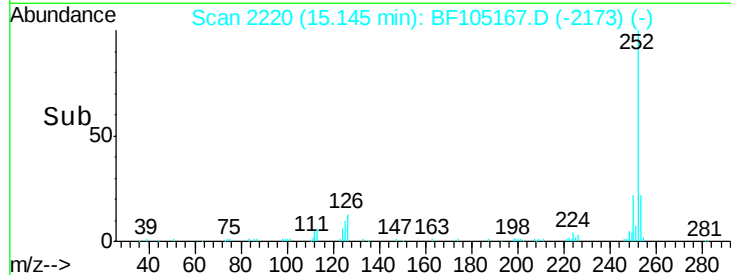
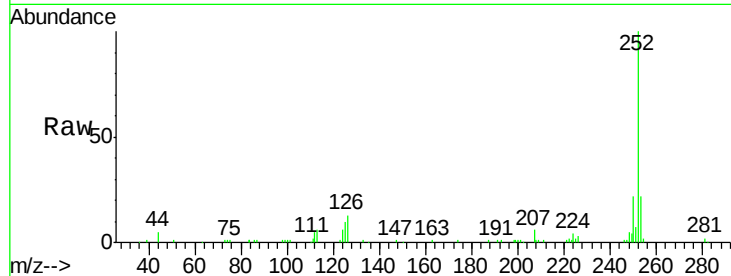
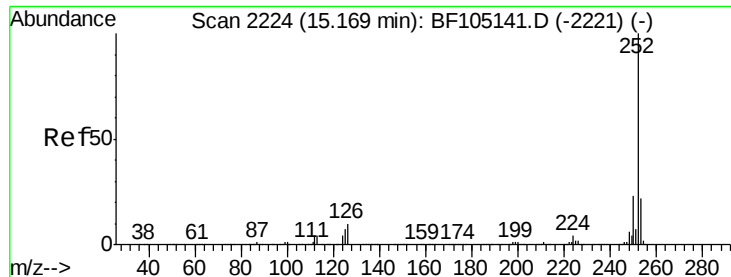
#87
Benzo(b)fluoranthene
Concen: 2.04 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF105167.D
Acq: 9 May 2018 1:38

Tgt Ion:252 Resp: 70866
Ion Ratio Lower Upper
252 100
253 20.6 17.0 25.6
125 10.0 9.0 13.6



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





#88
 Benzo(k)fluoranthene
 Concen: 2.04 ng
 RT: 15.14 min Scan# 2220
 Delta R.T. -0.02 min
 Lab File: BF105167.D
 Acq: 9 May 2018 1:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	9.5	10.2	15.2

