

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112157.D
 Acq On : 21 Jan 2019 14:34
 Operator : JU/SJ
 Sample : K1009-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-B

Quant Time: Jan 21 16:25:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	283280	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1046142	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	429670	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	624871	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	581620	20.00	ng	0.00
87) Perylene-d12	15.50	264	456111	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	840660	53.86	ng	-0.01
7) Phenol-d6	6.49	99	1045495	53.54	ng	-0.01
23) Nitrobenzene-d5	7.41	82	632998	41.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	206755	44.61	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1213199	41.40	ng	0.00
79) Terphenyl-d14	12.96	244	904664	33.09	ng	-0.01

Target Compounds

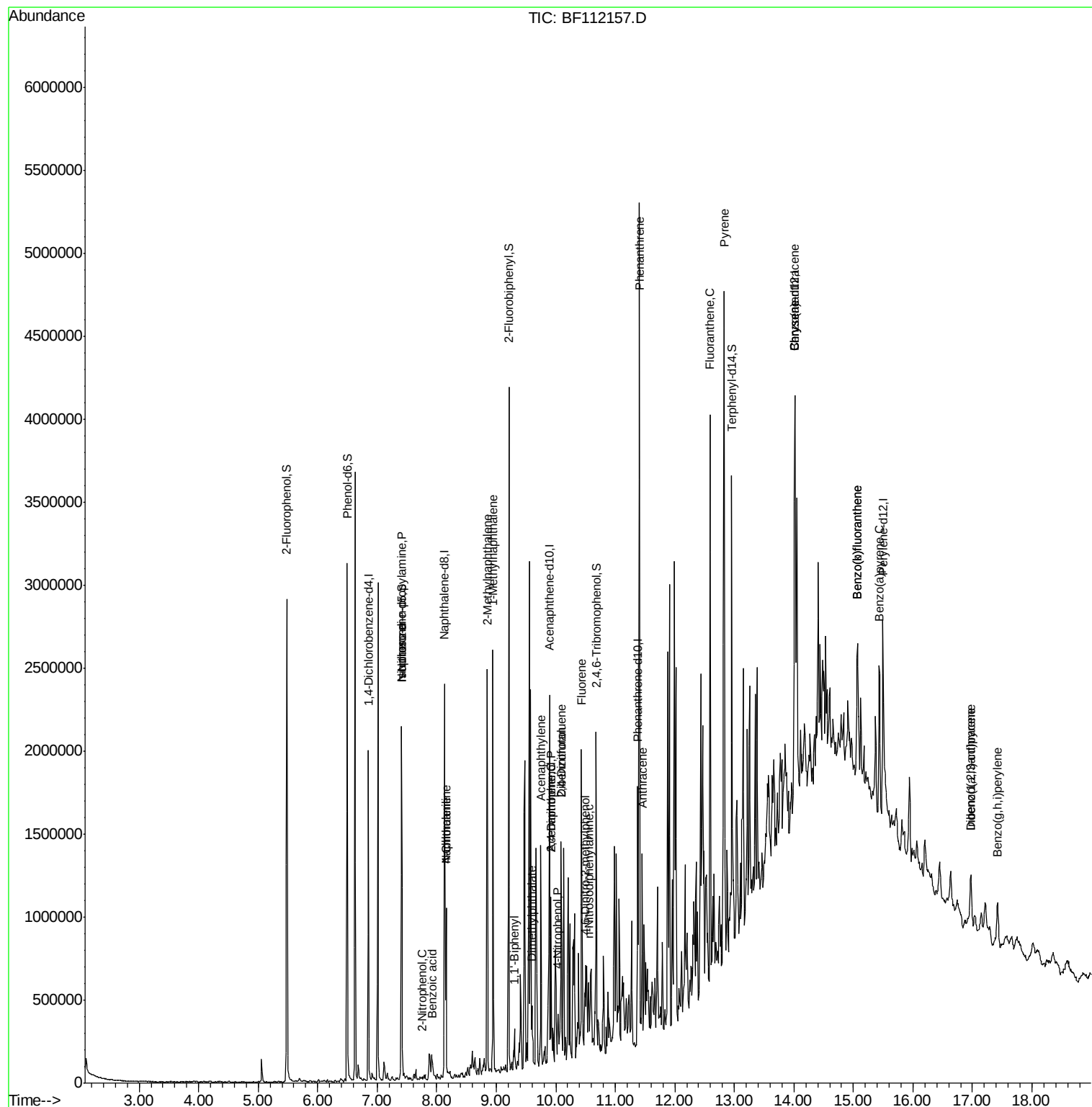
						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	88083	7.404	ng	# 78
25) Isophorone	7.41	82	626057	21.406	ng	# 64
26) 2-Nitrophenol	7.75	139	133	5.695	ng	# 1
31) Naphthalene	8.16	128	402168	8.452	ng	# 98
32) Benzoic acid	7.93	122	426	7.243	ng	# 1
33) 4-Chloroaniline	8.16	127	54224	2.536	ng	# 35
37) 2-Methylnaphthalene	8.85	142	701793	21.720	ng	# 99
38) 1-Methylnaphthalene	8.95	142	691222	22.260	ng	# 99
46) 1,1'-Biphenyl	9.31	154	74283	2.068	ng	# 99
49) Acenaphthylene	9.75	152	160317	3.906	ng	# 85
50) Dimethylphthalate	9.60	163	89489	2.856	ng	# 98
52) Acenaphthene	9.92	154	153964	6.132	ng	# 96
54) 2,4-Dinitrophenol	9.92	184	107	7.815	ng	# 1
55) Dibenzofuran	10.09	168	92771	2.443	ng	# 57
56) 4-Nitrophenol	10.03	139	4778	6.543	ng	# 43
57) 2,4-Dinitrotoluene	10.09	165	11676	5.896	ng	# 42
58) Fluorene	10.44	166	471385	16.615	ng	# 97
65) 4,6-Dinitro-2-methylphenol	10.49	198	1199	10.433	ng	# 1
66) n-Nitrosodiphenylamine	10.55	169	55366	2.680	ng	# 78
71) Phenanthrene	11.40	178	1774523	56.429	ng	# 99
72) Anthracene	11.45	178	396815	12.457	ng	# 99
75) Fluoranthene	12.59	202	1140684	34.355	ng	# 97
78) Pyrene	12.83	202	1798272	46.863	ng	# 99
81) Benzo(a)anthracene	14.01	228	715114	21.444	ng	# 94
83) Chrysene	14.01	228	715114	22.662	ng	# 96
86) Indeno(1,2,3-cd)pyrene	16.97	276	183234	6.294	ng	# 93
88) Benzo(b)fluoranthene	15.07	252	629853	24.327	ng	# 92
89) Benzo(k)fluoranthene	15.07	252	629853	25.135	ng	# 92
90) Benzo(a)pyrene	15.43	252	443283	18.670	ng	# 93
91) Dibenzo(a,h)anthracene	16.97	278	57080	2.707	ng	# 74
92) Benzo(g,h,i)perylene	17.42	276	197475	9.505	ng	# 96

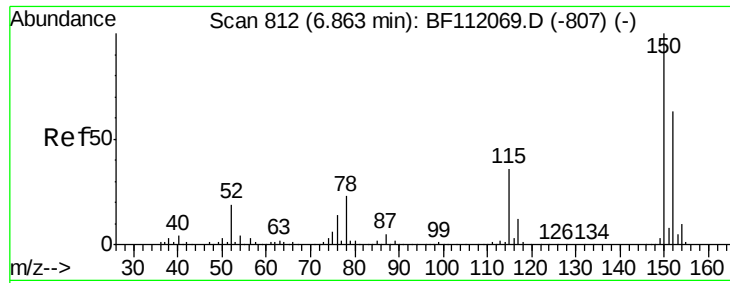
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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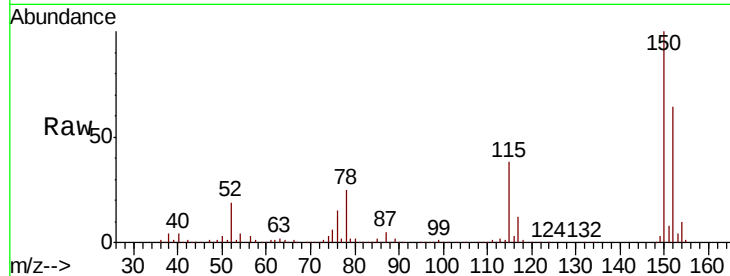


#1

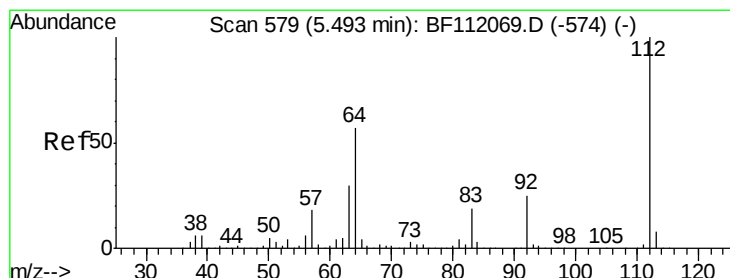
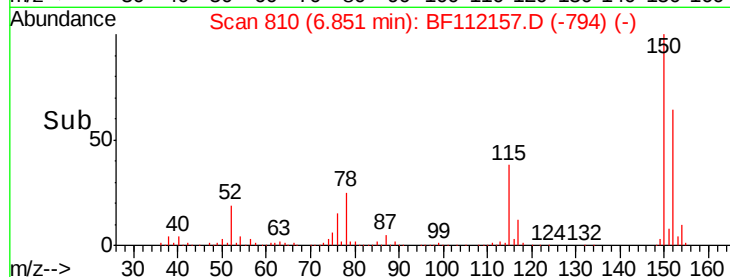
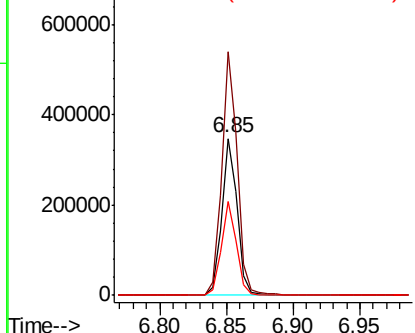
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-B

Tot Ion:152 Resp: 283280
Ion Ratio Lower Upper
152 100
150 155.4 127.4 191.0
115 59.8 45.5 68.3



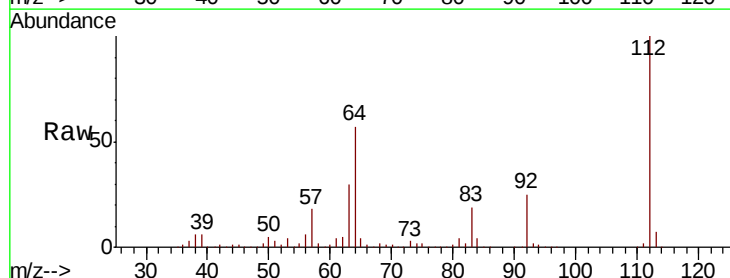
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



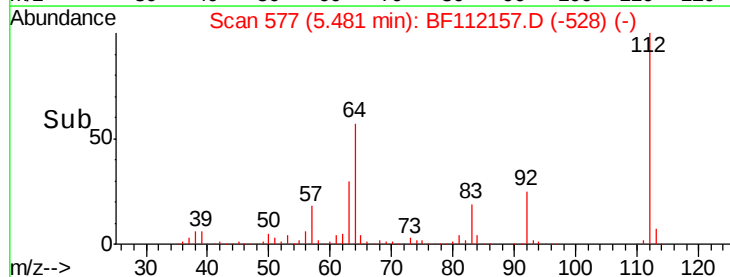
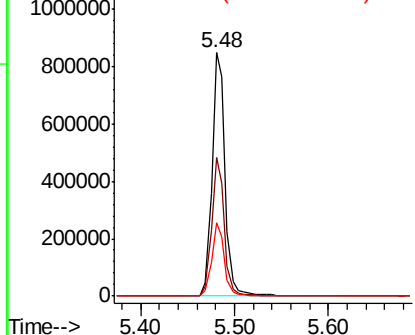
#5

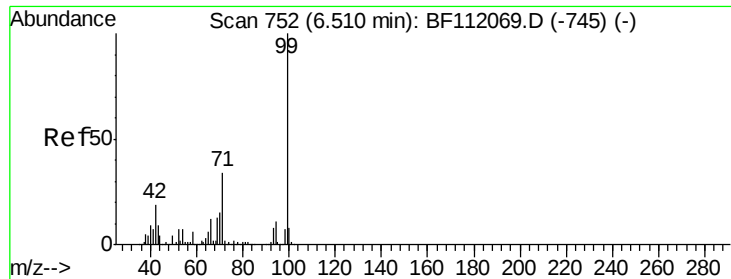
2-Fluorophenol
Concen: 53.863 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Tgt Ion:112 Resp: 840660
Ion Ratio Lower Upper
112 100
64 56.9 45.7 68.5
63 30.0 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 53.540 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-B

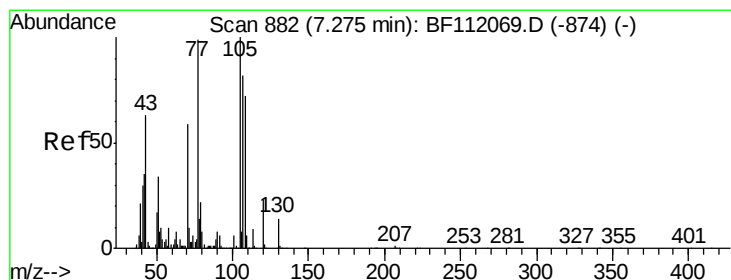
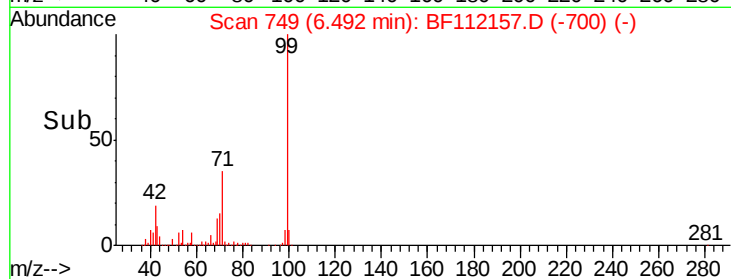
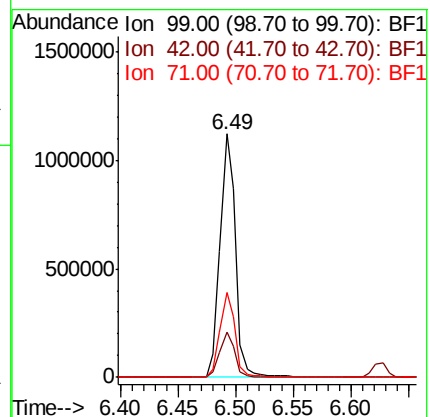
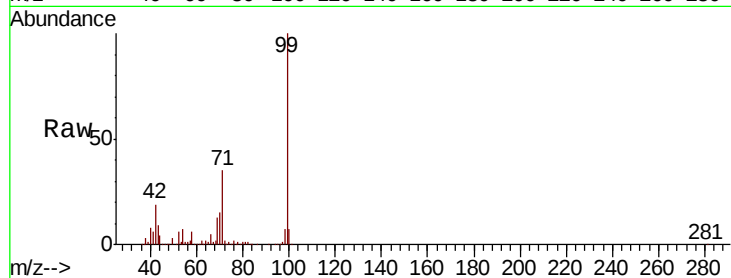
Tot Ion: 99 Resp: 1045495

Ion Ratio Lower Upper

99 100

42 18.8 15.1 22.7

71 34.7 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 7.404 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

Tgt Ion: 70 Resp: 88083

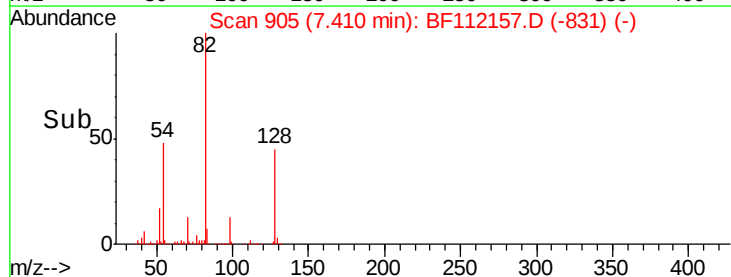
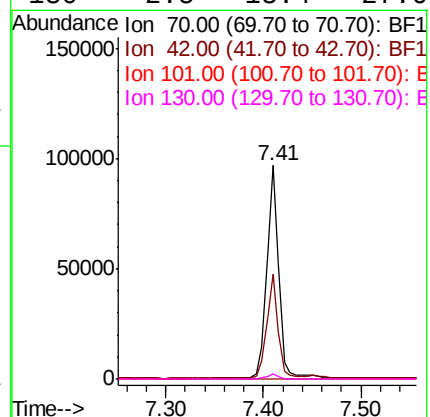
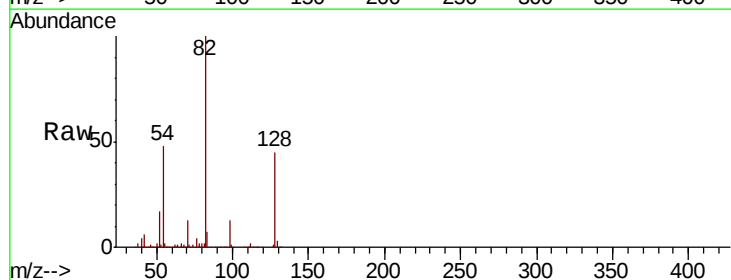
Ion Ratio Lower Upper

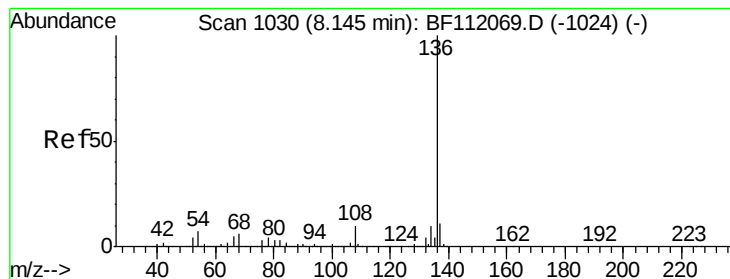
70 100

42 49.0 47.6 71.4

101 0.0 7.9 11.9#

130 2.5 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-B

Tot Ion:136 Resp: 1046142

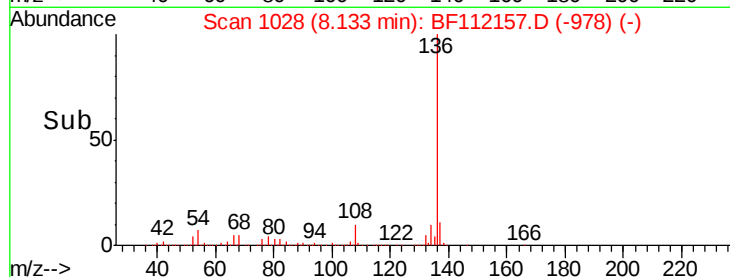
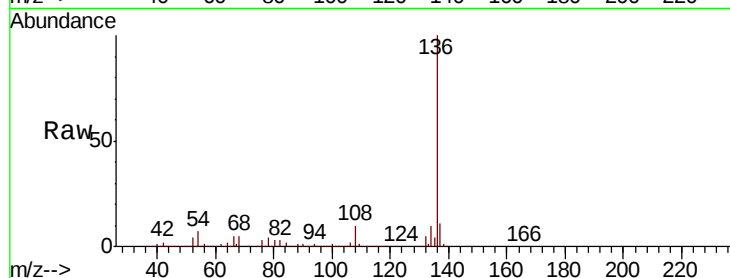
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.7 5.9 8.9

68 5.2 5.1 7.7

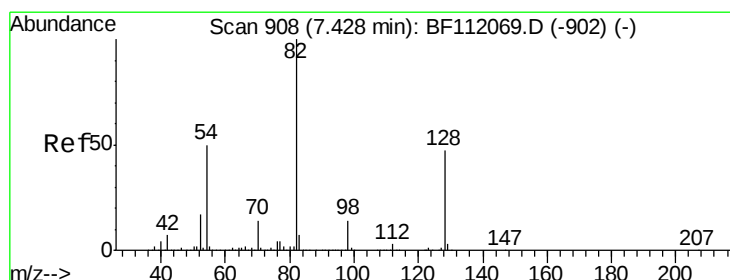
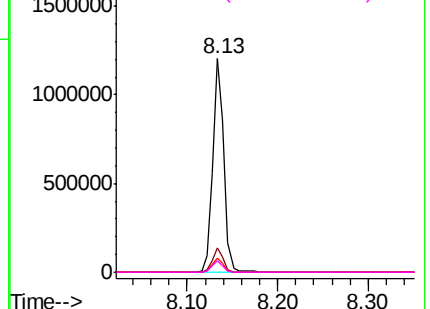


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 41.804 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

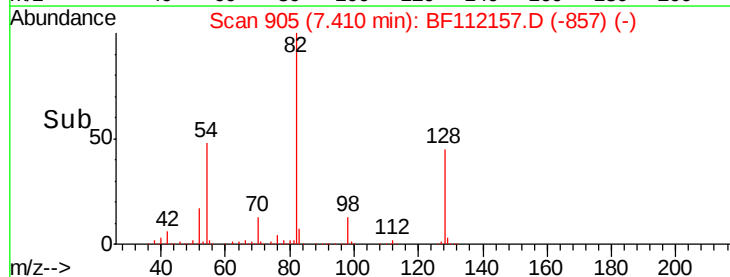
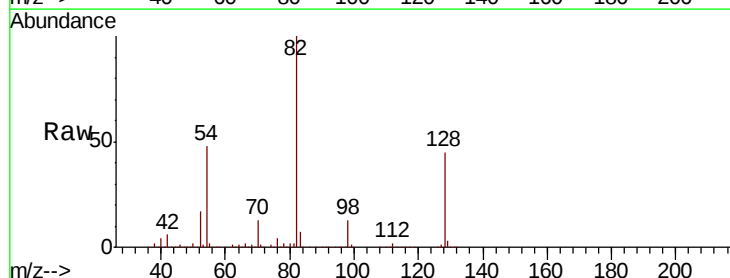
Tgt Ion: 82 Resp: 632998

Ion Ratio Lower Upper

82 100

128 45.3 37.8 56.8

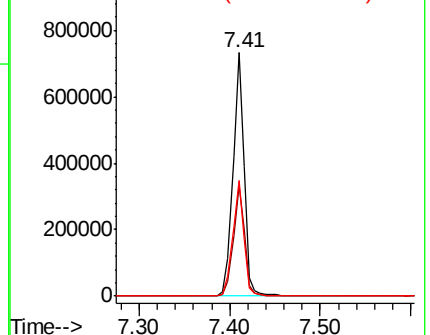
54 47.7 39.7 59.5

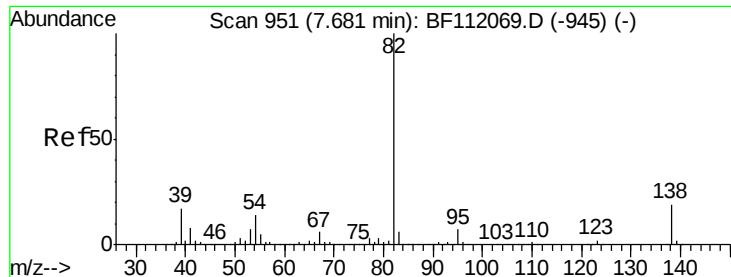


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 21.406 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

Instrument :

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ClientSampleId :

CL-01-011819-B

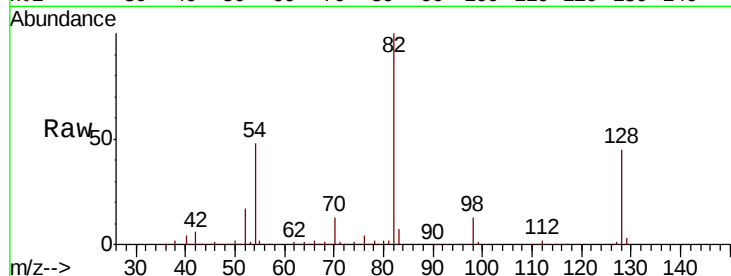
Tot Ion: 82 Resp: 626057

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

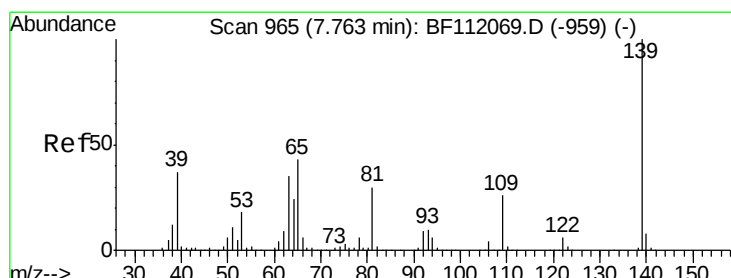
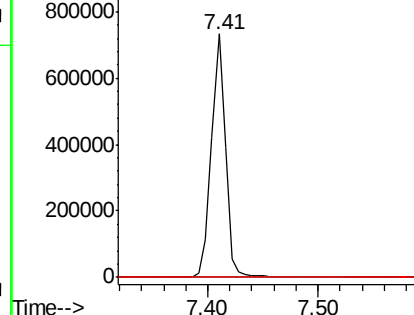
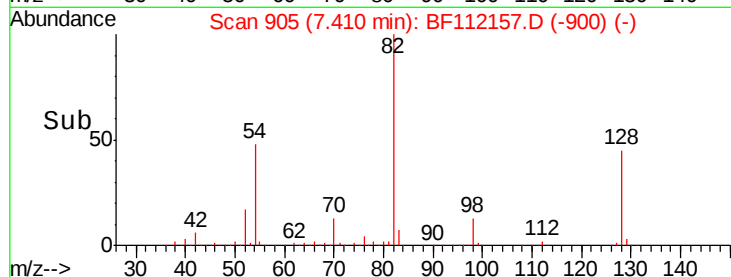
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 5.695 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

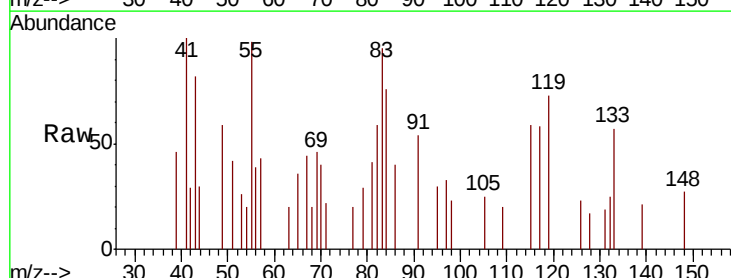
Tgt Ion: 139 Resp: 133

Ion Ratio Lower Upper

139 100

109 92.1 20.8 31.2#

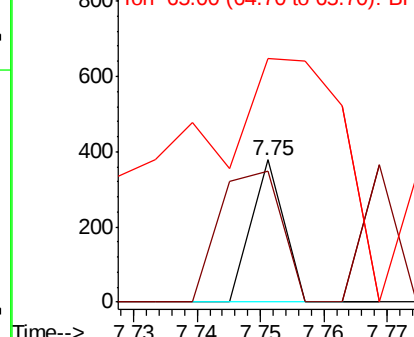
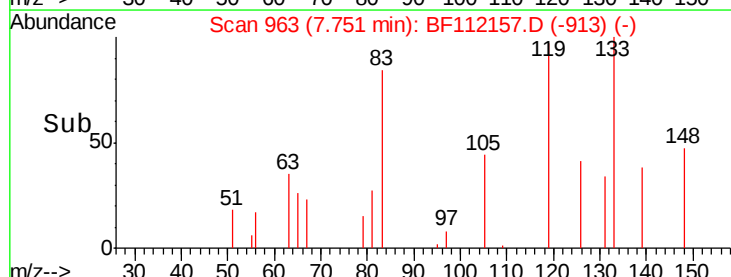
65 171.2 34.4 51.6#

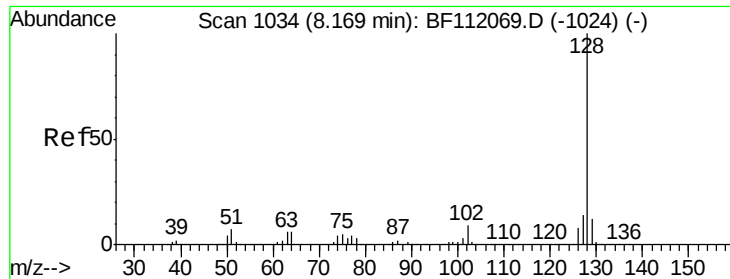


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

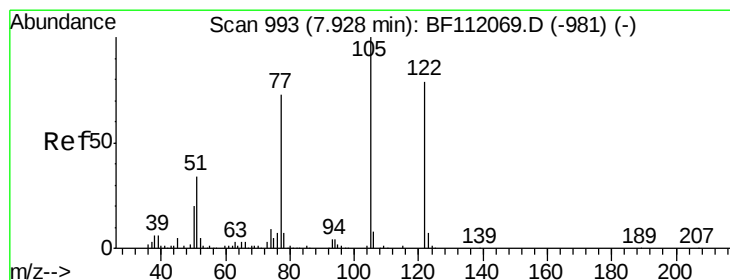
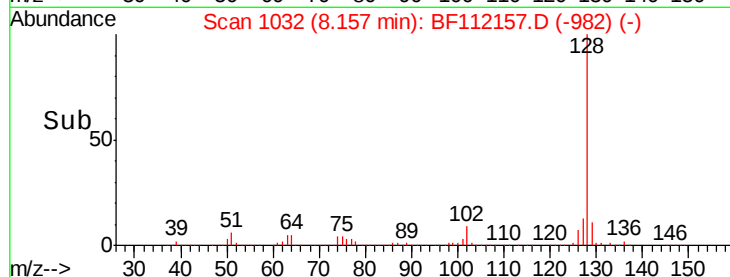
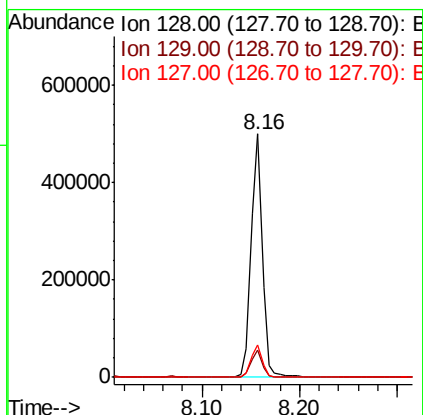
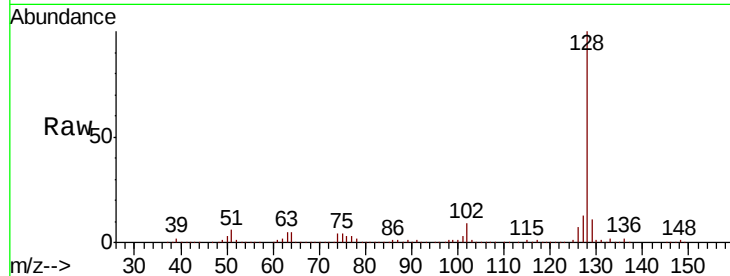




#31
Naphthalene
Concen: 8.452 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

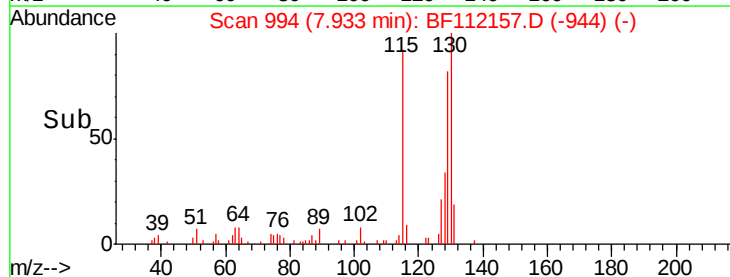
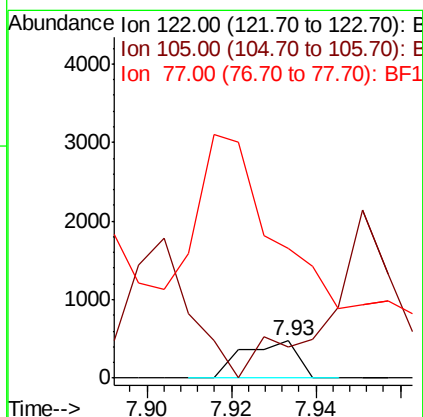
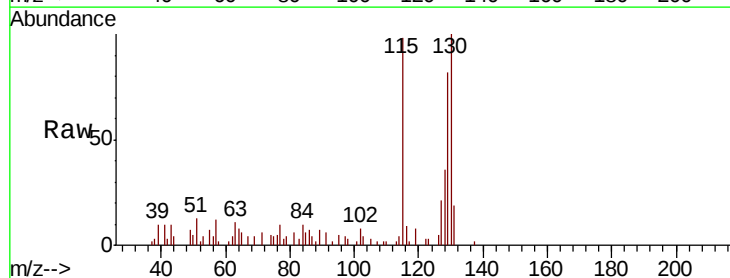
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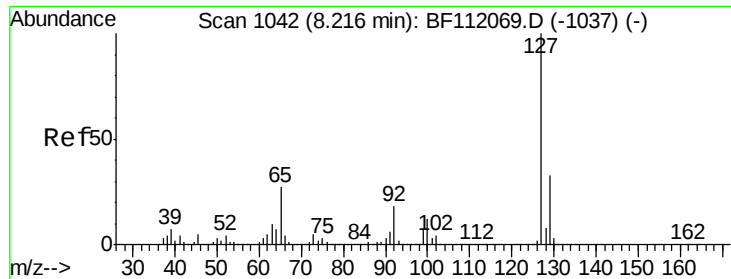
Tot Ion:128 Resp: 402168
Ion Ratio Lower Upper
128 100
129 11.3 9.6 14.4
127 13.1 11.1 16.7



#32
Benzoic acid
Concen: 7.243 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Tgt Ion:122 Resp: 426
Ion Ratio Lower Upper
122 100
105 85.2 101.2 141.2#
77 349.0 70.4 110.4#

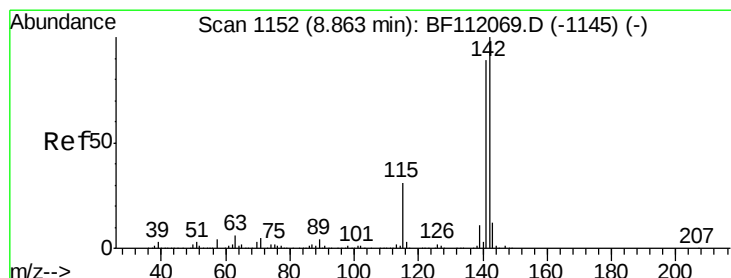
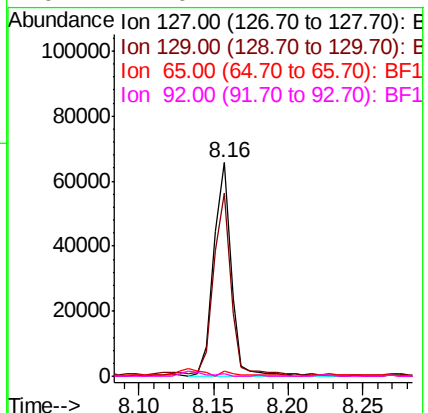
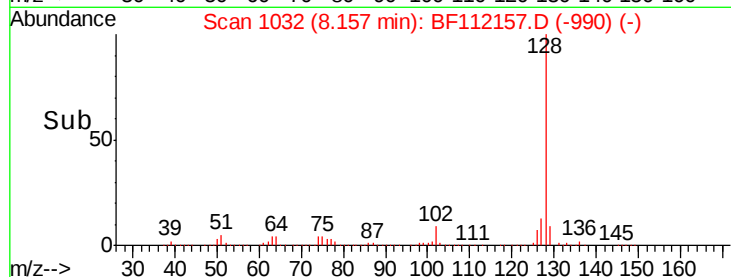
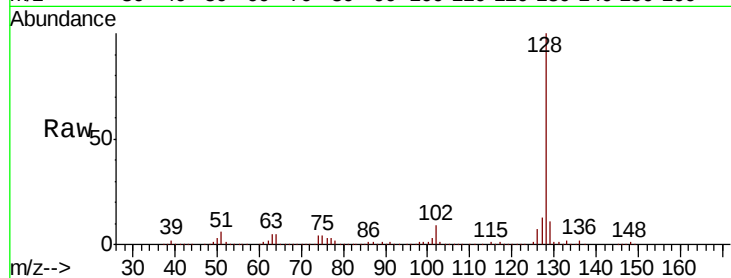




#33
4-Chloroaniline
Concen: 2.536 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

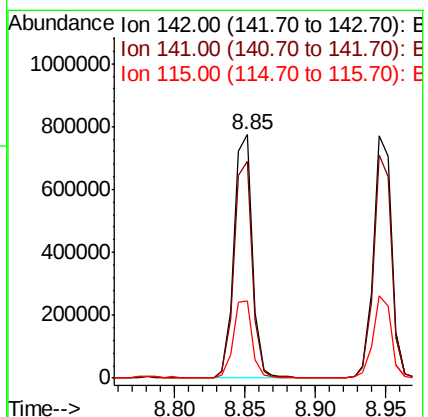
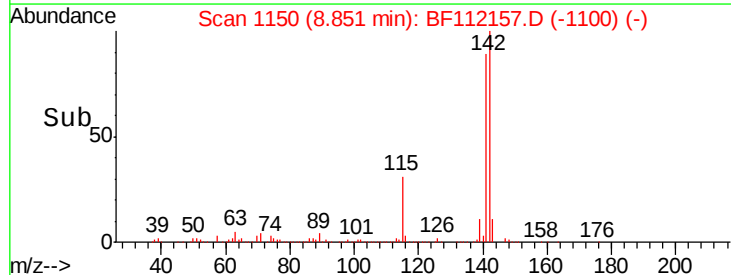
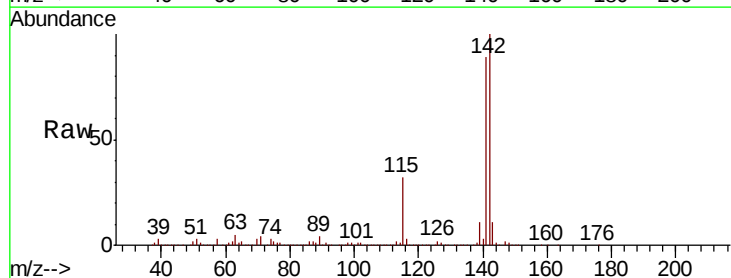
Instrument :
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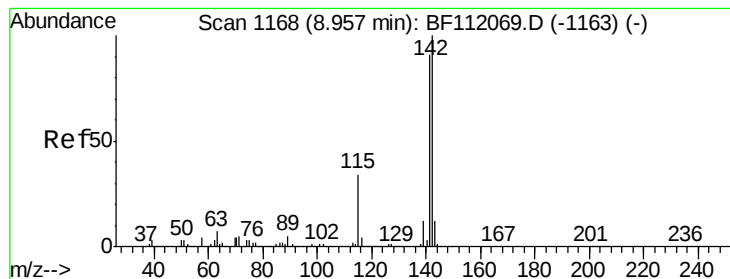
Tot Ion	Ratio	Lower	Upper
127	100		
129	86.0	26.6	39.8#
65	2.5	21.4	32.2#
92	1.0	14.2	21.2#



#37
2-Methylnaphthalene
Concen: 21.720 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.9	106.3
115	31.7	24.9	37.3





#38

1-Methylnaphthalene

Concen: 22.260 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-B

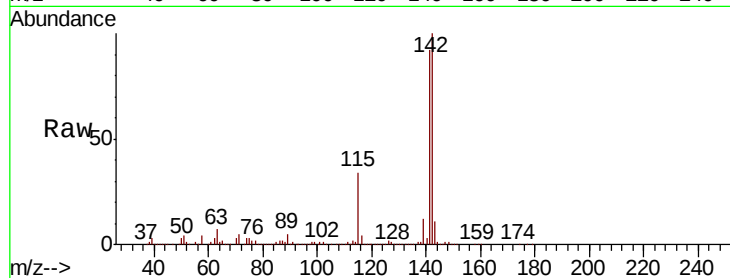
Tot Ion:142 Resp: 691222

Ion Ratio Lower Upper

142 100

141 91.9 72.6 108.8

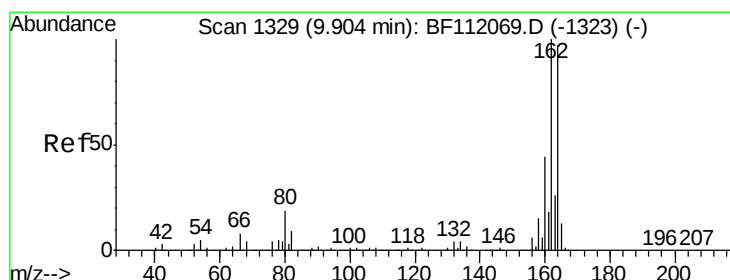
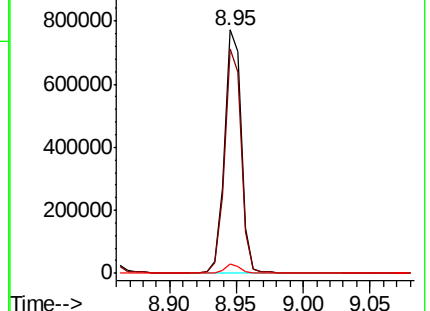
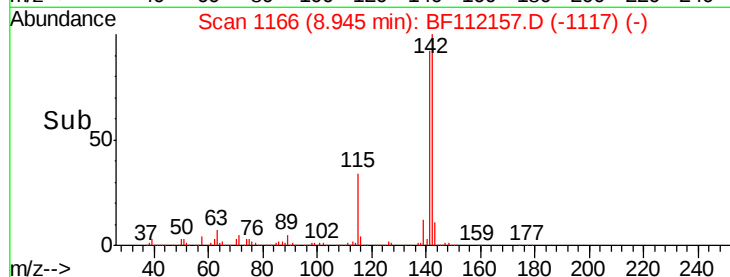
116 3.7 2.8 4.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

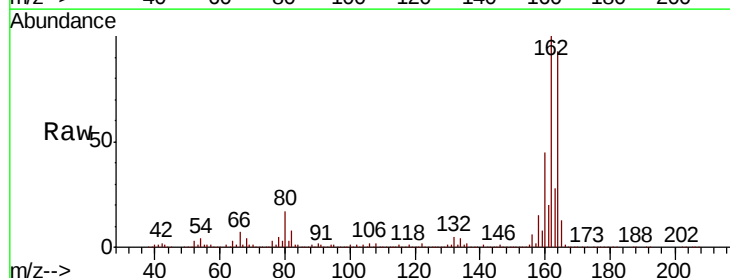
Tgt Ion:164 Resp: 429670

Ion Ratio Lower Upper

164 100

162 107.0 82.2 123.4

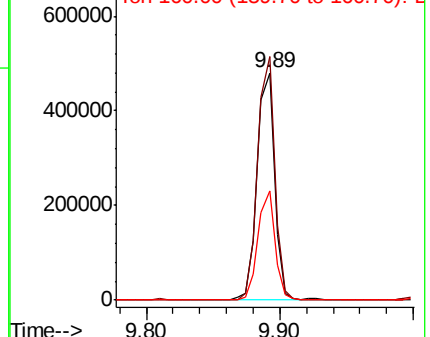
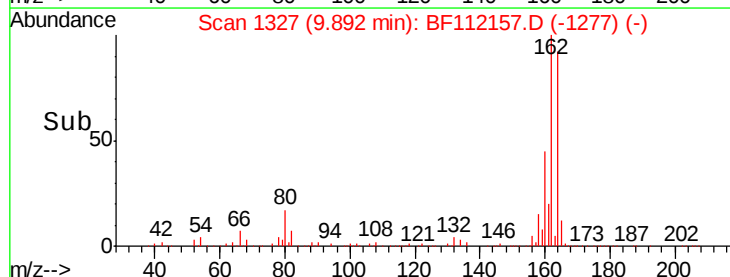
160 48.3 36.2 54.4

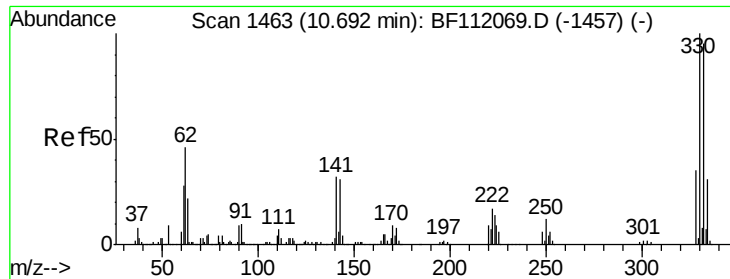


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

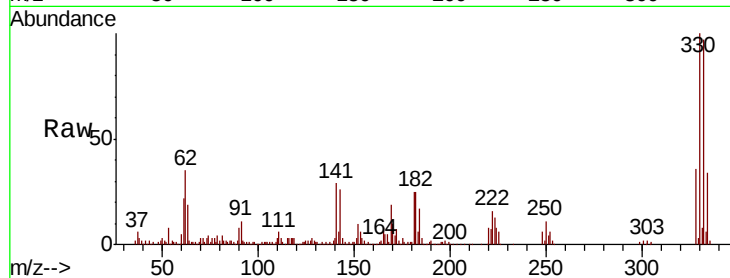




#42
 2,4,6-Tribromophenol
 Concen: 44.605 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112157.D
 Acq: 21 Jan 2019 14:34

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	114.8
141	32.3	24.3	36.5

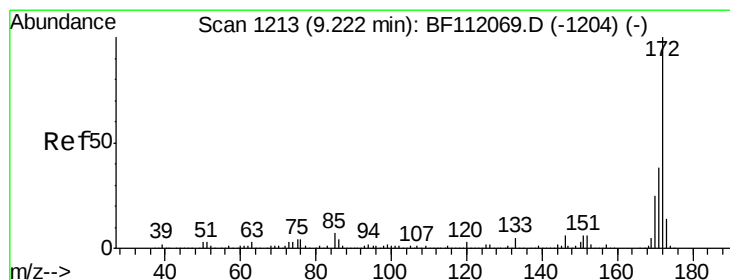
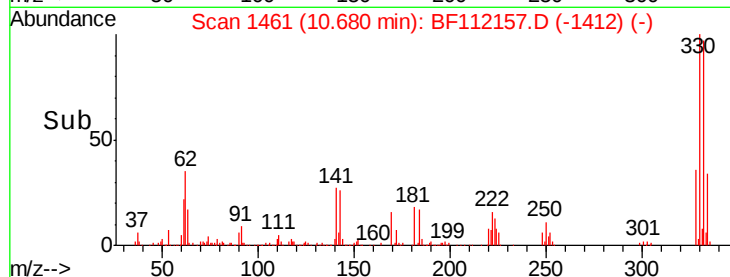
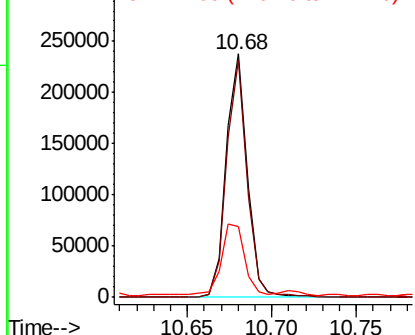


Abundance

Ion 329.80 (329.50 to 330.50): E

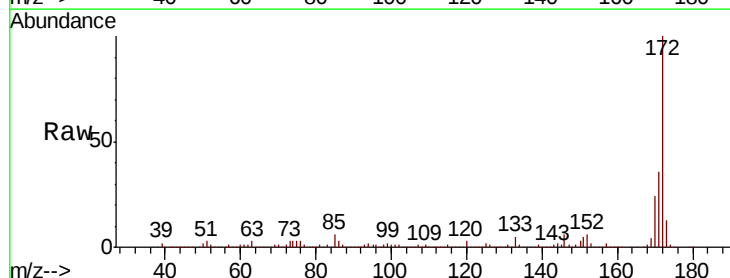
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 41.397 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112157.D
 Acq: 21 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.5	45.7
170	23.9	20.2	30.4

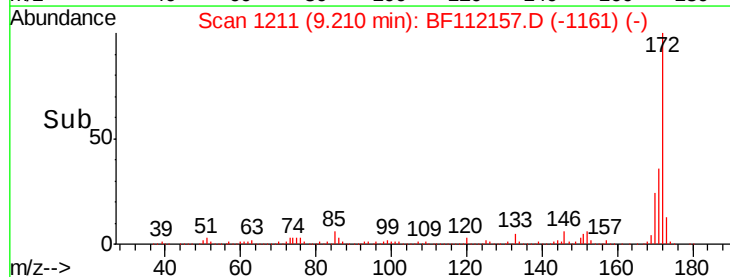
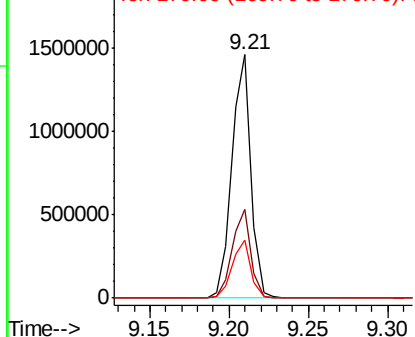


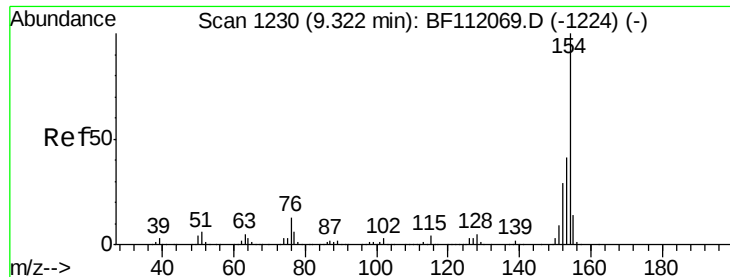
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

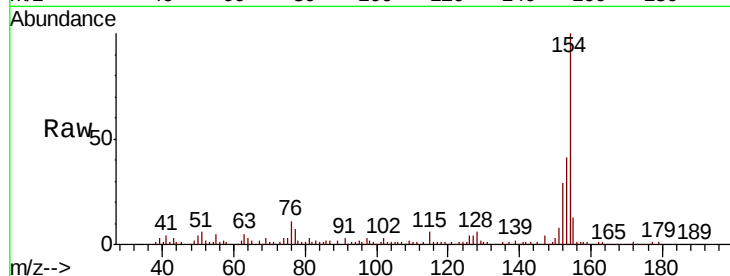




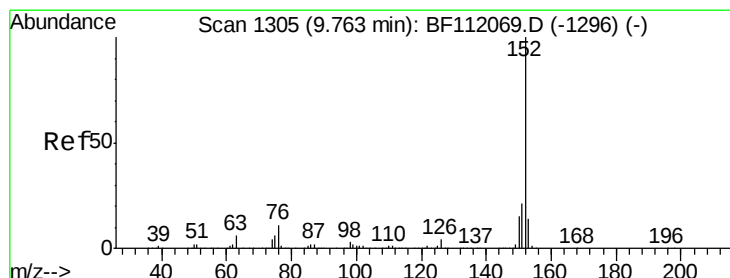
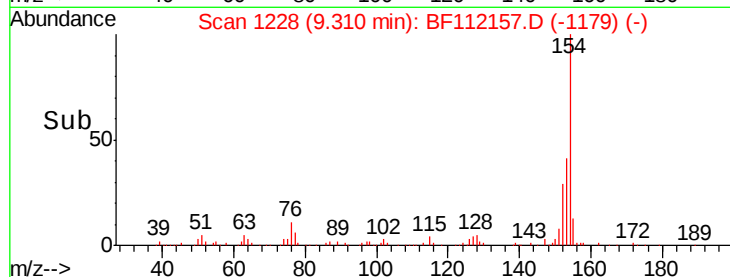
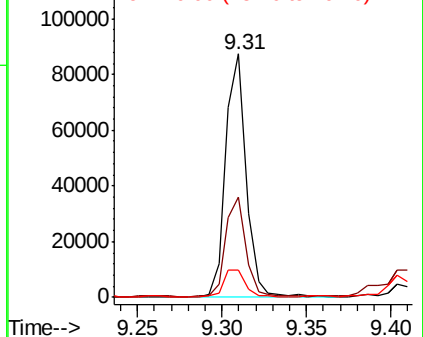
#46
 1,1'-Biphenyl
 Concen: 2.068 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF112157.D
 Acq: 21 Jan 2019 14:34

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-B

Tot Ion:154 Resp: 74283
 Ion Ratio Lower Upper
 154 100
 153 41.4 21.5 61.5
 76 11.2 0.0 33.1

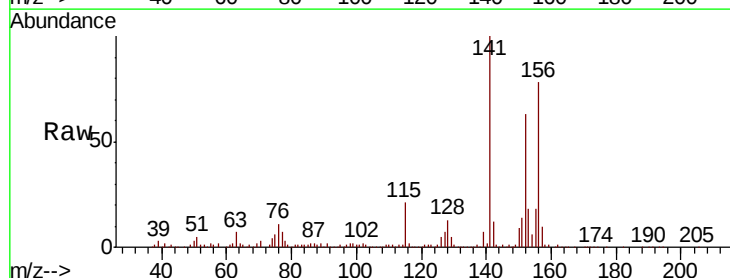


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

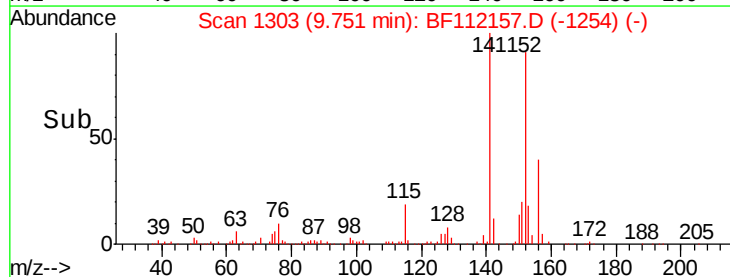
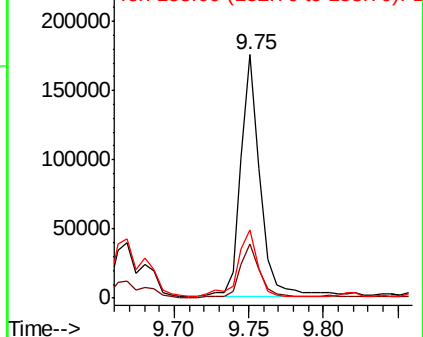


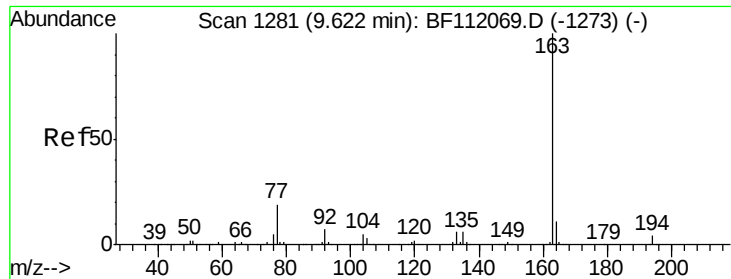
#49
 Acenaphthylene
 Concen: 3.906 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF112157.D
 Acq: 21 Jan 2019 14:34

Tgt Ion:152 Resp: 160317
 Ion Ratio Lower Upper
 152 100
 151 22.3 17.0 25.6
 153 27.8 11.2 16.8#



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

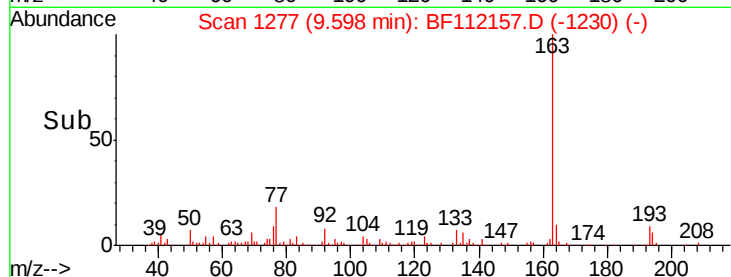
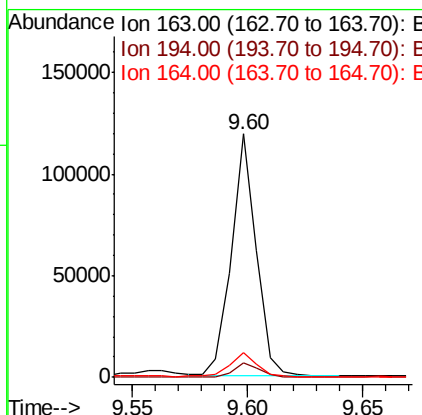
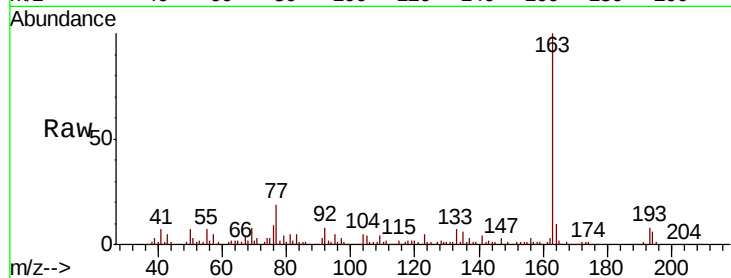




#50
Dimethylphthalate
Concen: 2.856 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

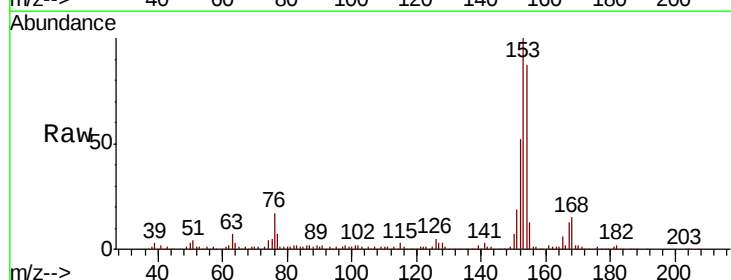
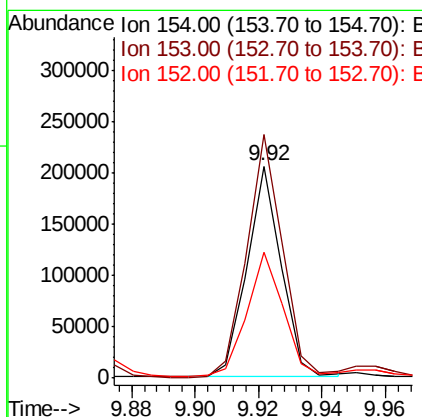
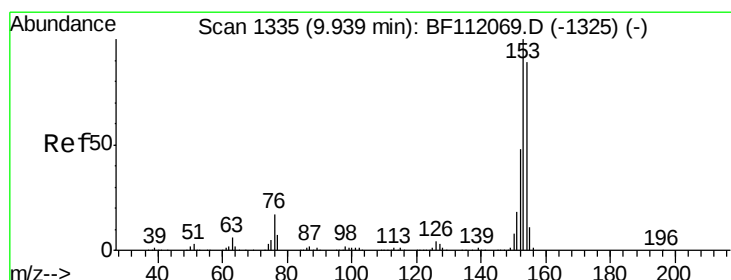
Instrument :
BNA_F
ClientSampleId :
CL-01-011819-B

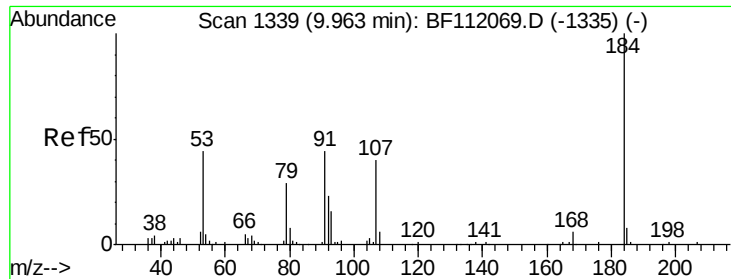
Tot Ion:163 Resp: 89489
Ion Ratio Lower Upper
163 100
194 5.7 3.3 4.9#
164 10.3 8.5 12.7



#52
Acenaphthene
Concen: 6.132 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Tgt Ion:154 Resp: 153964
Ion Ratio Lower Upper
154 100
153 114.9 89.8 134.6
152 59.5 43.5 65.3





#54

2,4-Dinitrophenol

Concen: 7.815 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.04 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-B

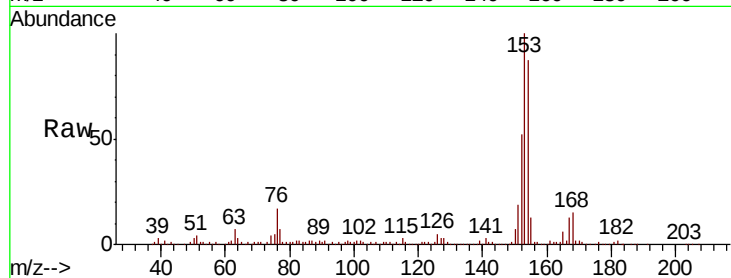
Tot Ion:184 Resp: 107

Ion Ratio Lower Upper

184 100

63 5301.3 47.1 70.7#

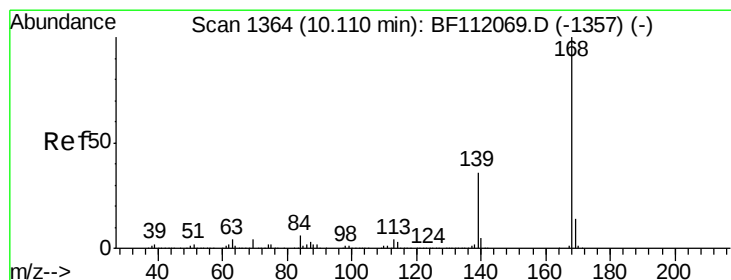
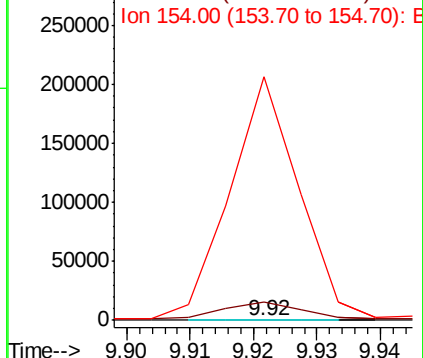
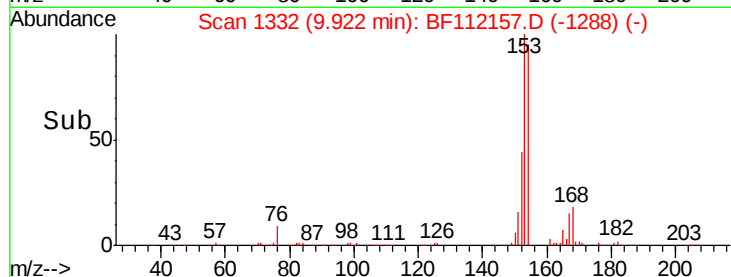
154 68118.8 48.9 73.3#



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



#55

Dibenzofuran

Concen: 2.443 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

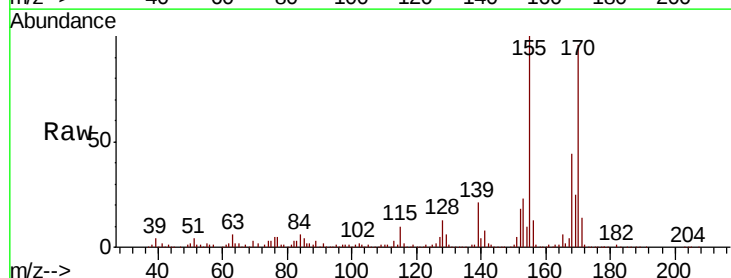
Tgt Ion:168 Resp: 92771

Ion Ratio Lower Upper

168 100

139 47.5 29.2 43.8#

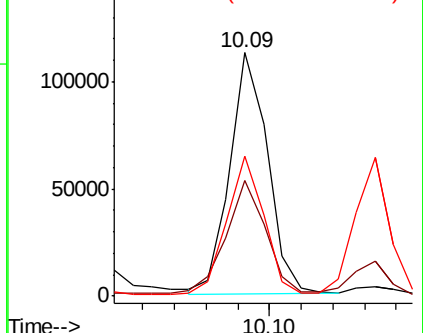
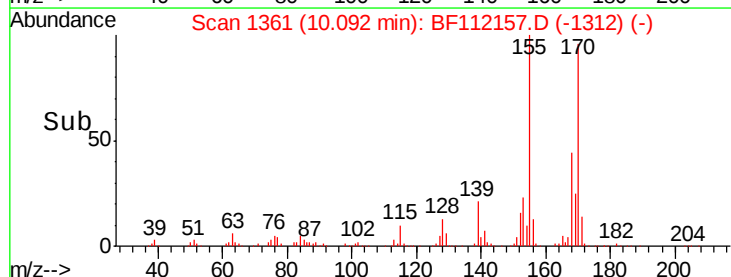
169 57.7 11.4 17.0#

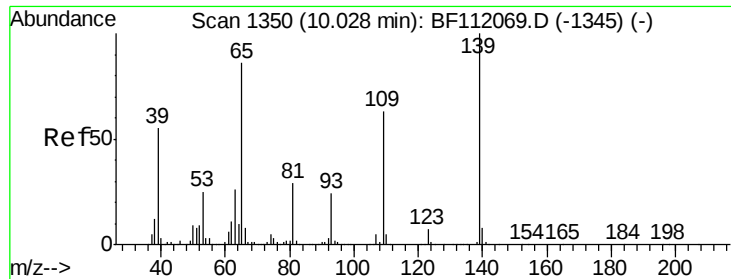


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

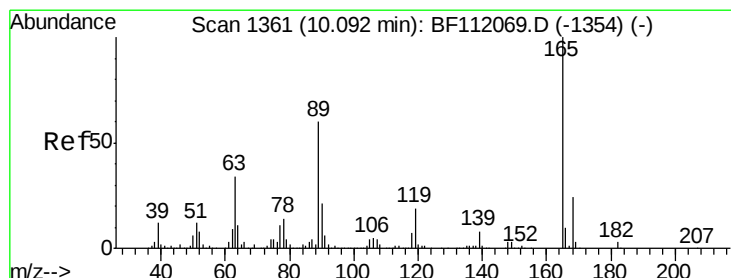
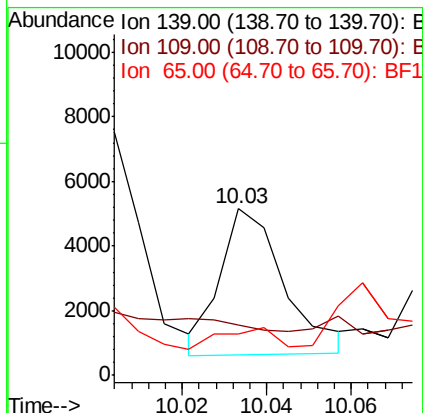
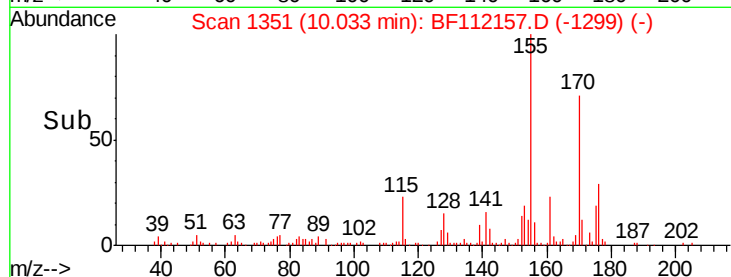
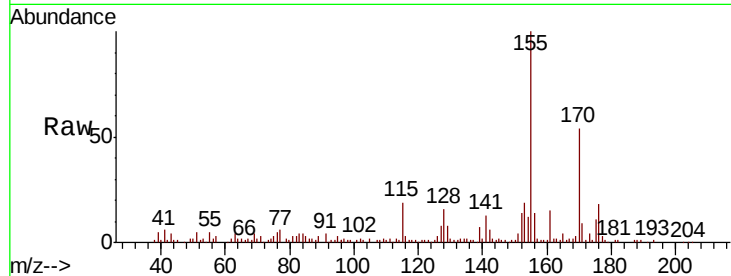




#56
4-Nitrophenol
Concen: 6.543 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

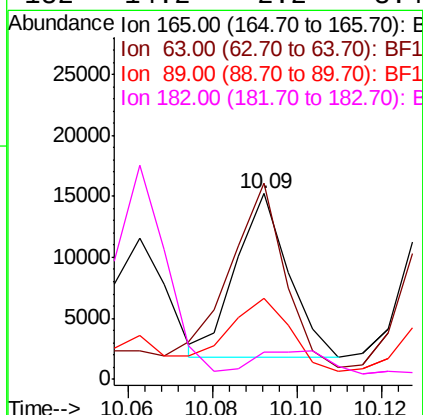
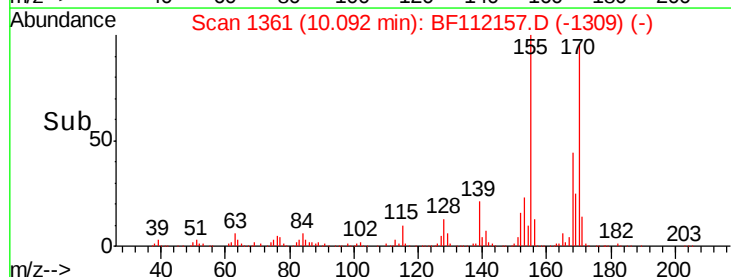
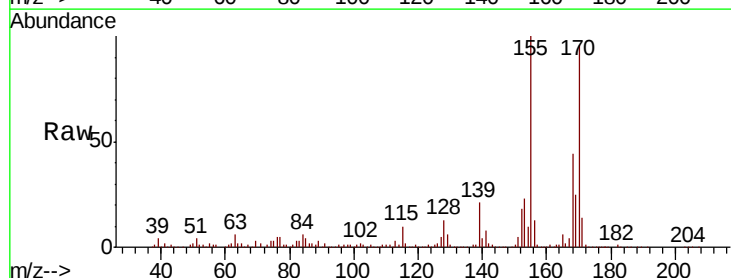
Instrument :
BNA_F
ClientSampleId :
CL-01-011819-B

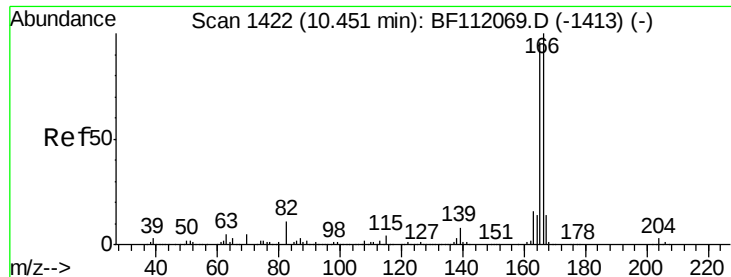
Tot Ion:139 Resp: 4778
Ion Ratio Lower Upper
139 100
109 29.9 42.8 82.8#
65 24.8 66.1 106.1#



#57
2,4-Dinitrotoluene
Concen: 5.896 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.01 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Tgt Ion:165 Resp: 11676
Ion Ratio Lower Upper
165 100
63 105.9 27.9 41.9#
89 43.3 47.9 71.9#
182 14.2 2.2 3.4#





#58

Fluorene

Concen: 16.615 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-B

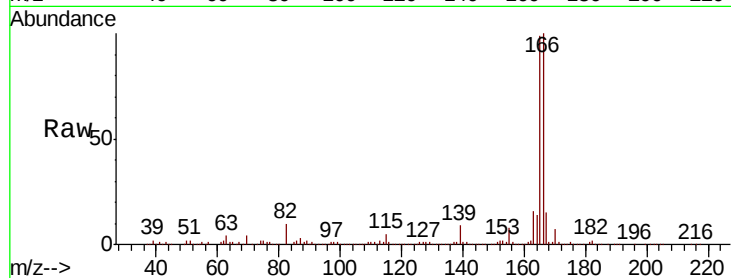
Tot Ion:166 Resp: 471385

Ion Ratio Lower Upper

166 100

165 99.3 77.1 115.7

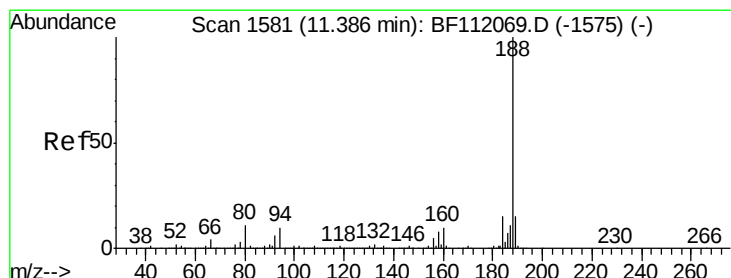
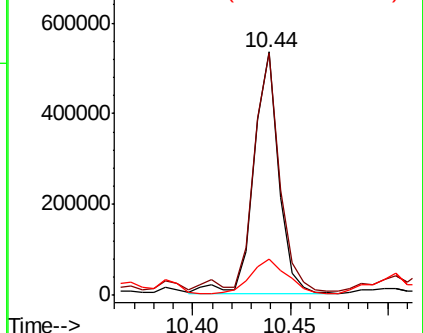
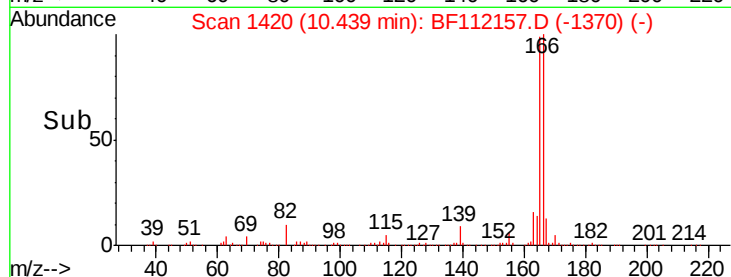
167 15.1 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

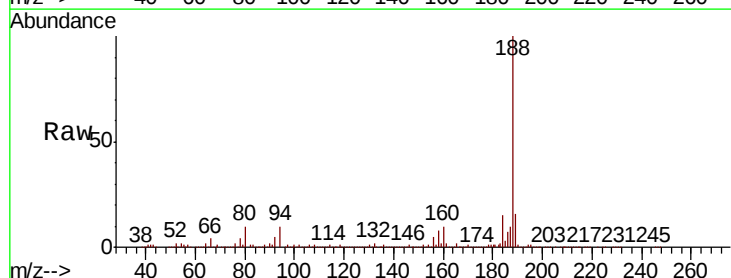
Tgt Ion:188 Resp: 624871

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.2

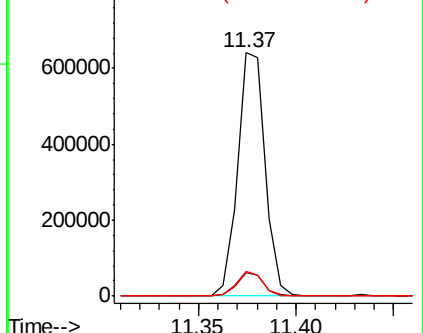
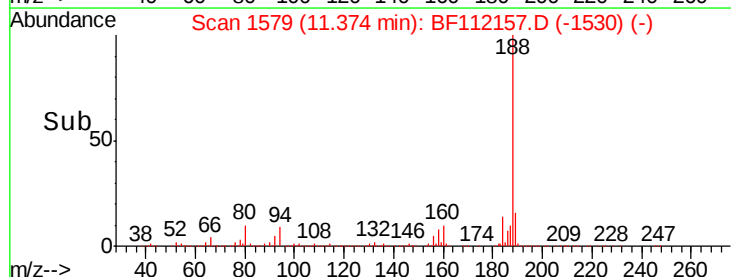
80 10.1 8.9 13.3

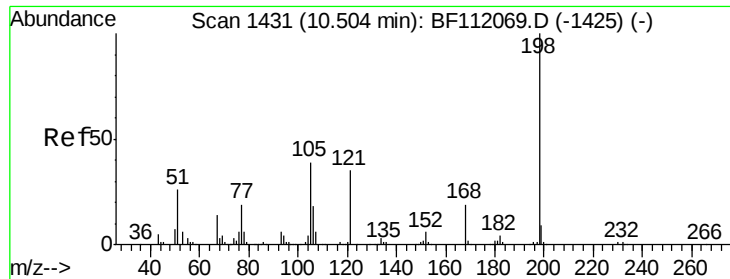


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 10.433 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-B

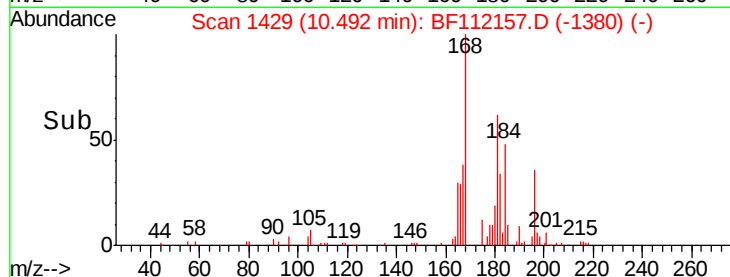
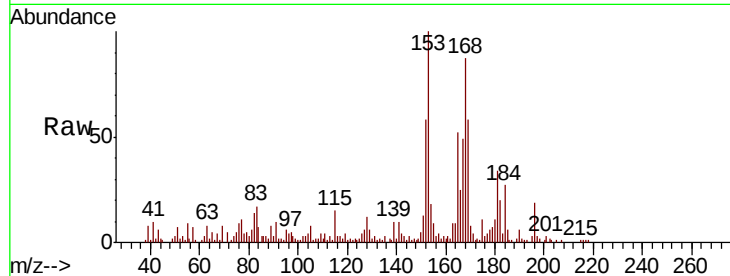
Tot Ion:198 Resp: 1199

Ion Ratio Lower Upper

198 100

51 379.4 17.2 57.2#

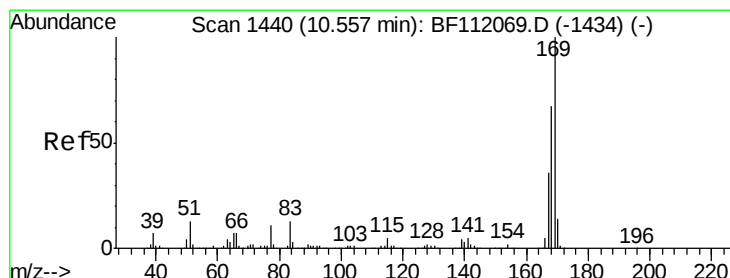
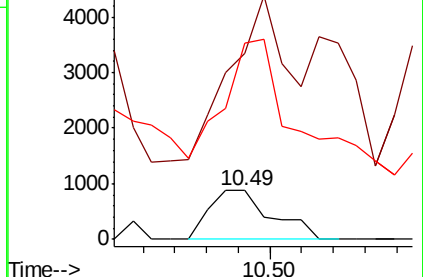
105 402.2 21.9 61.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 2.680 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

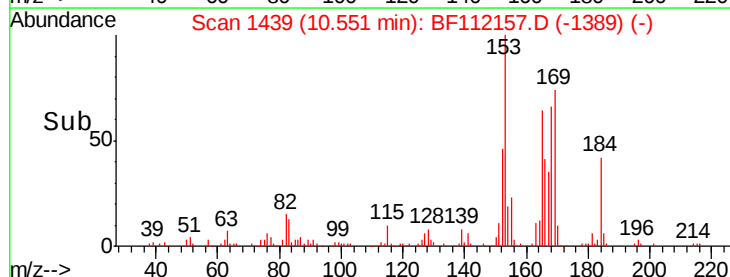
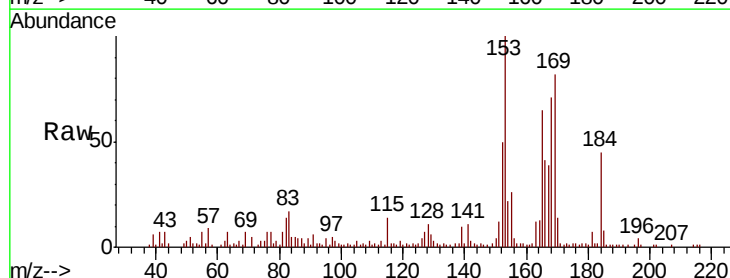
Tgt Ion:169 Resp: 55366

Ion Ratio Lower Upper

169 100

168 86.0 53.9 80.9#

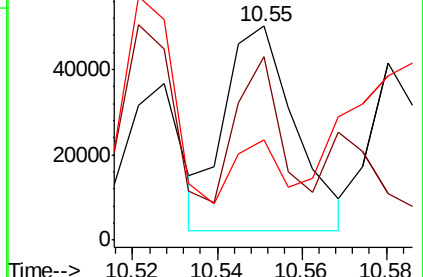
167 47.2 28.9 43.3#

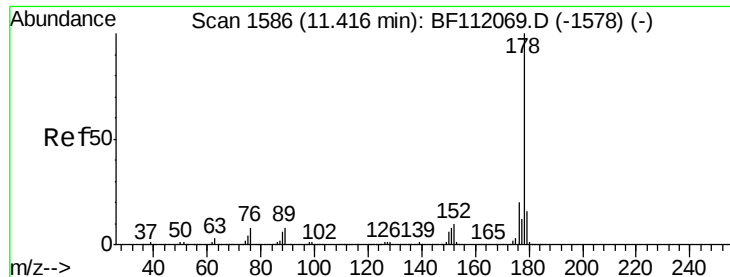


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#71

Phenanthrene

Concen: 56.429 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-B

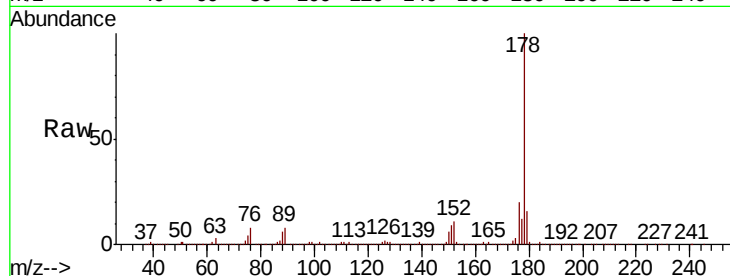
Tot Ion:178 Resp: 1774523

Ion Ratio Lower Upper

178 100

176 20.1 16.3 24.5

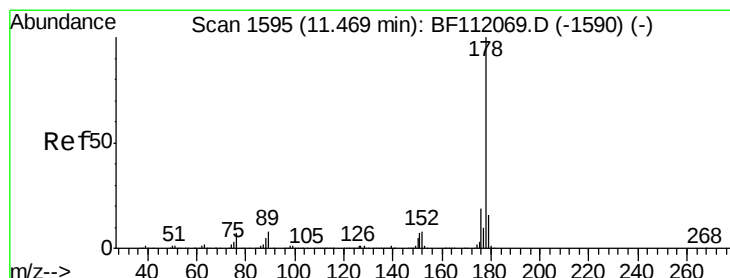
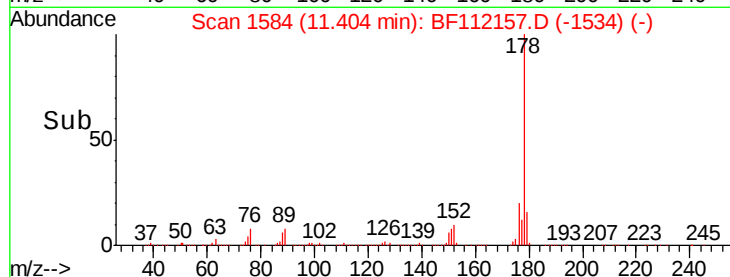
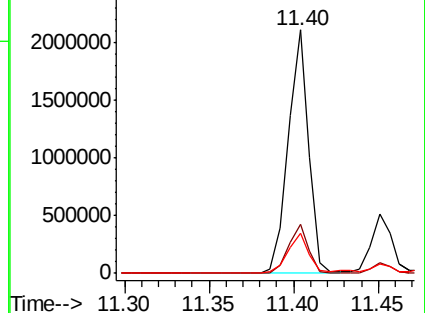
179 16.5 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 12.457 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

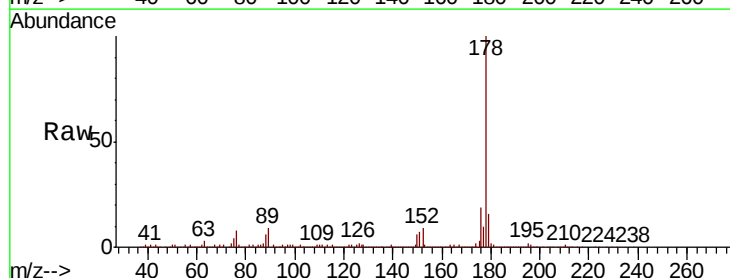
Tgt Ion:178 Resp: 396815

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

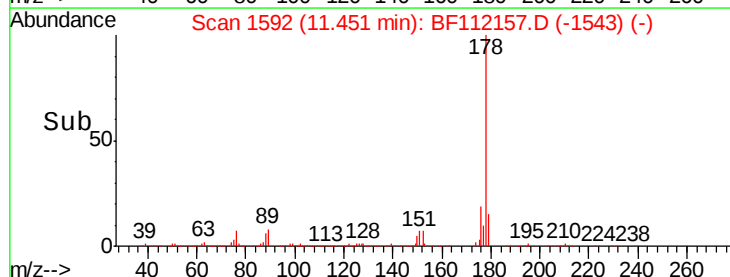
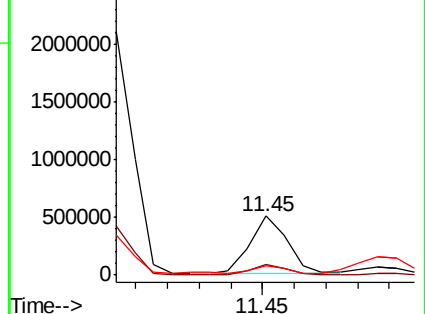
179 16.1 12.8 19.2

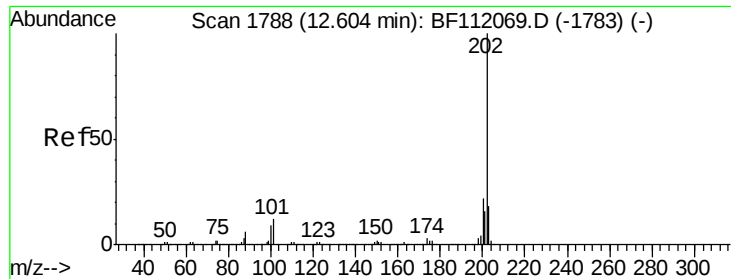


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 34.355 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-B

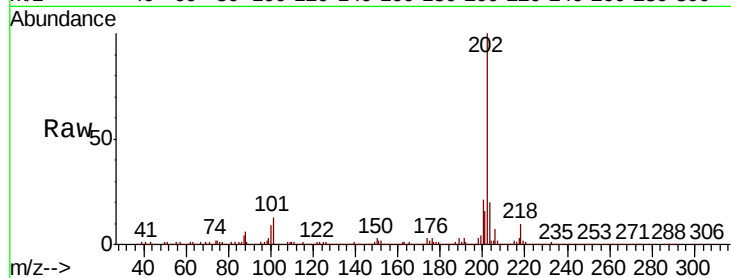
Tot Ion:202 Resp: 1140684

Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.8

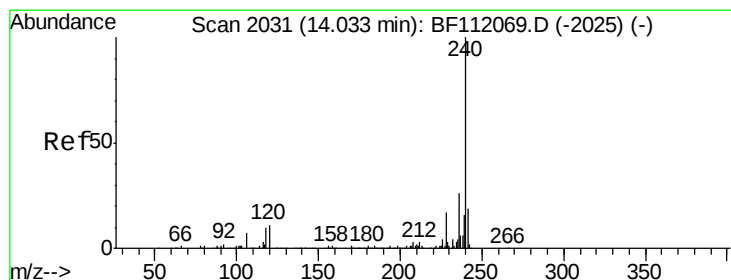
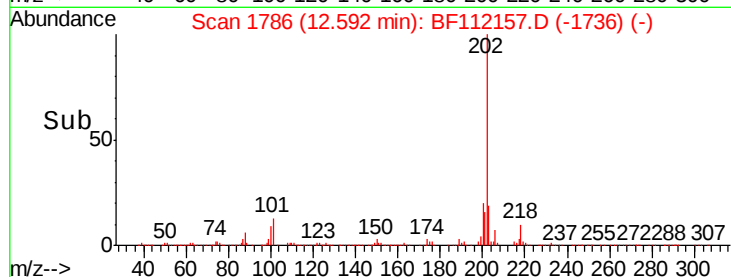
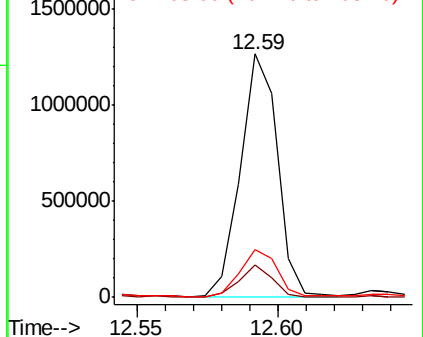
203 19.6 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112157.D

Acq: 21 Jan 2019 14:34

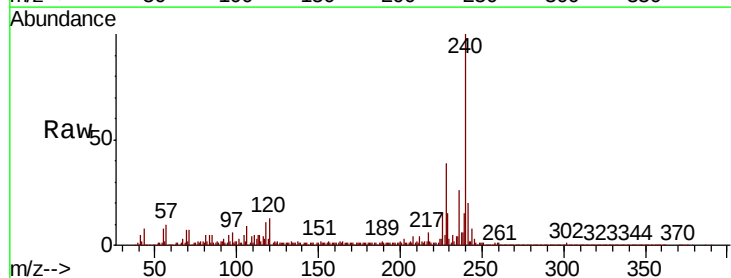
Tgt Ion:240 Resp: 581620

Ion Ratio Lower Upper

240 100

120 13.0 9.0 13.6

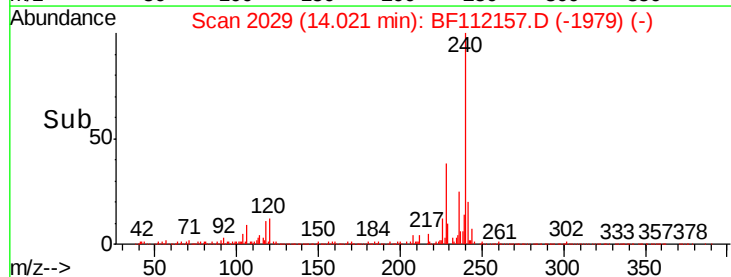
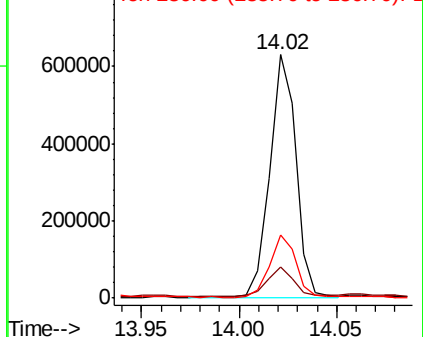
236 26.1 20.7 31.1

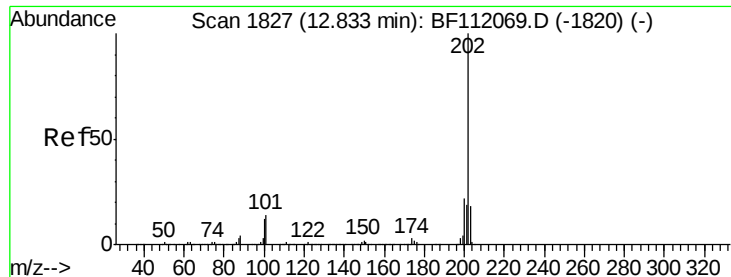


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



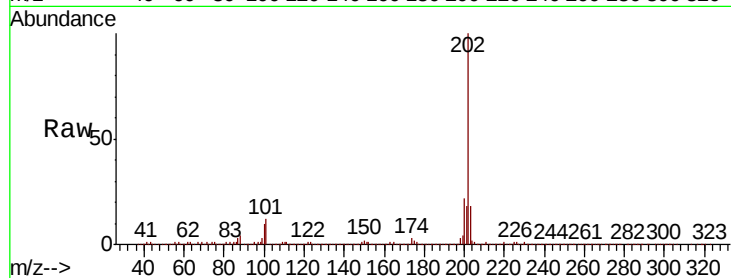


#78
Pvrene
Concen: 46.863 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-B

Tot Ion:202 Resp: 1798272

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	18.4	14.6	22.0

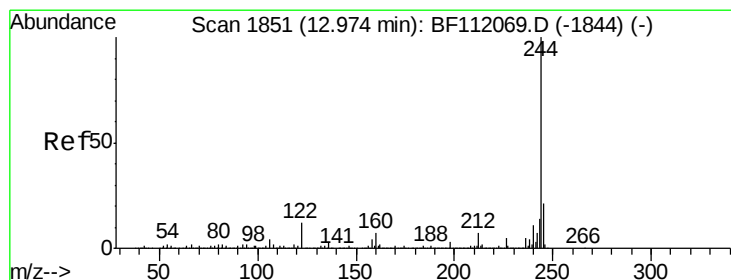
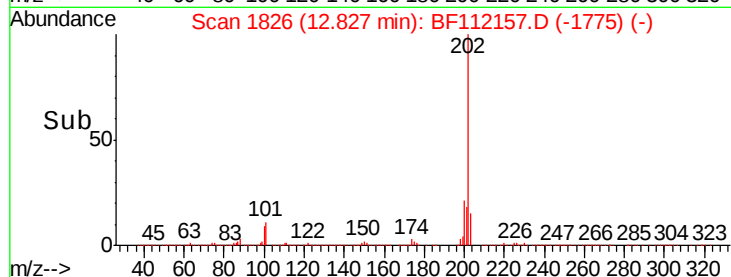
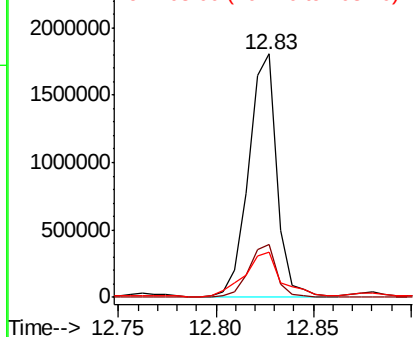


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

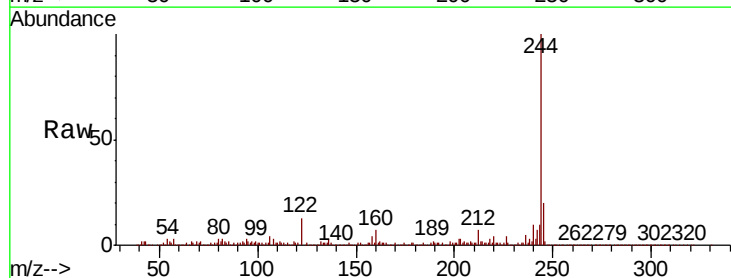
Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 33.090 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Tgt Ion:244 Resp: 904664

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	12.6	9.8	14.6

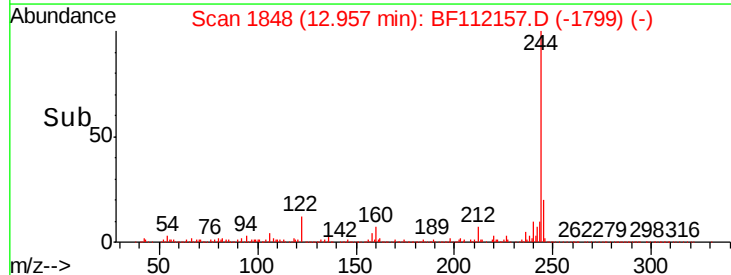
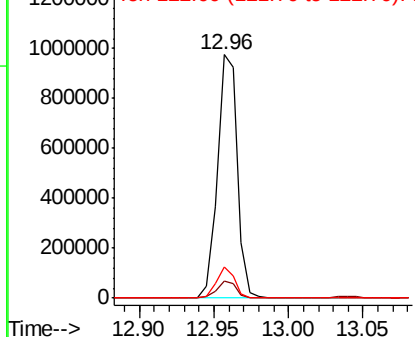


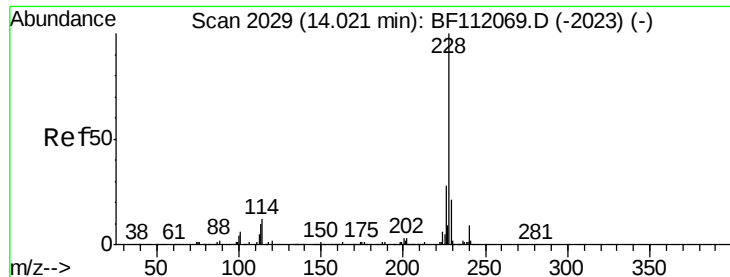
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

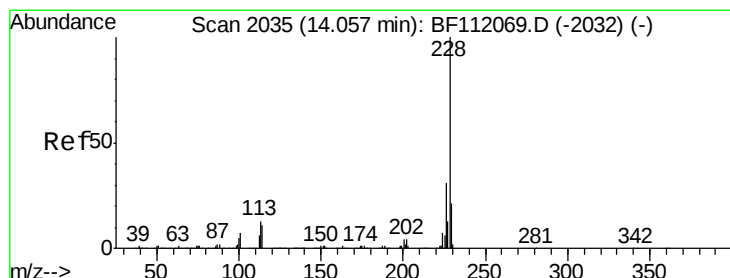
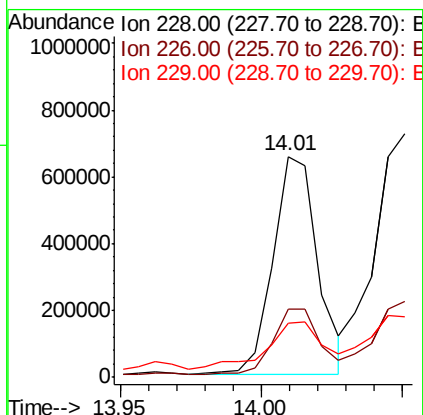
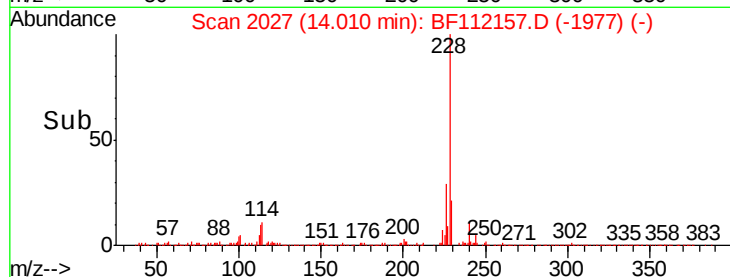
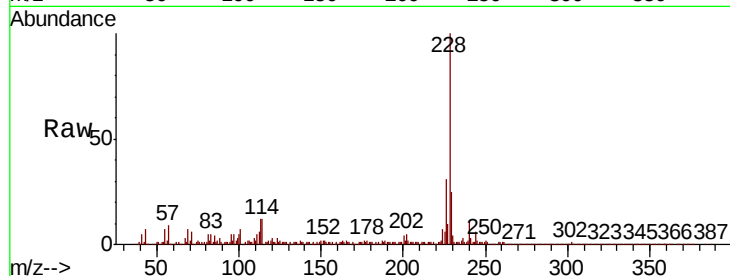




#81
Benzo(a)anthracene
Concen: 21.444 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

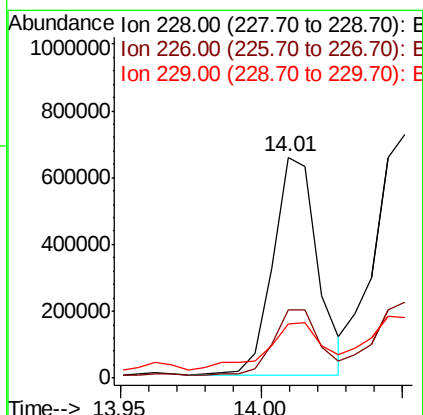
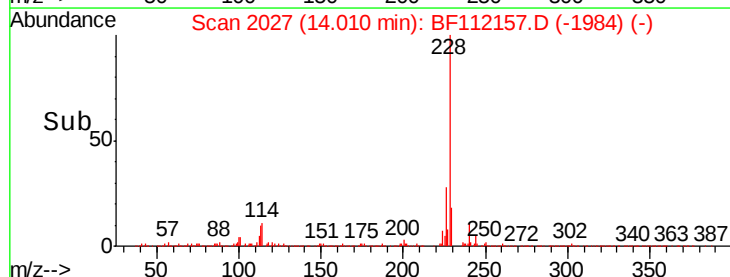
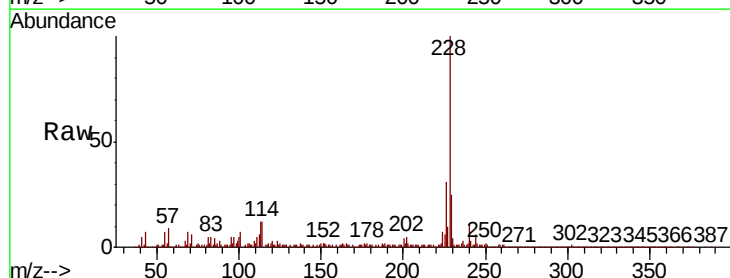
Instrument :
BNA_F
ClientSampleId :
CL-01-011819-B

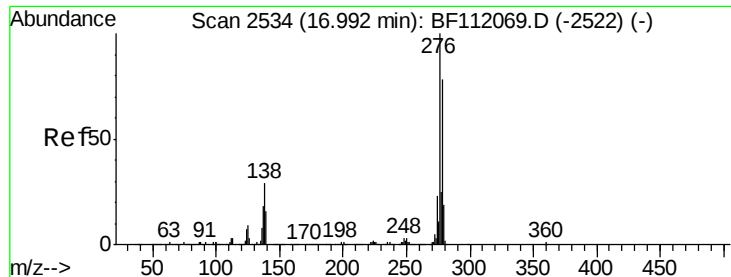
Tot Ion:228 Resp: 715114
Ion Ratio Lower Upper
228 100
226 30.7 22.6 34.0
229 24.8 16.5 24.7#



#83
Chrysene
Concen: 22.662 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.05 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Tgt Ion:228 Resp: 715114
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 24.8 16.6 24.8

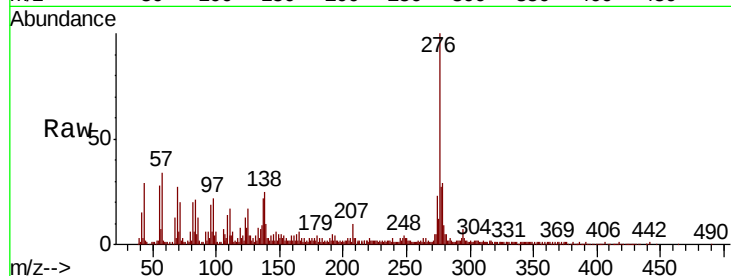




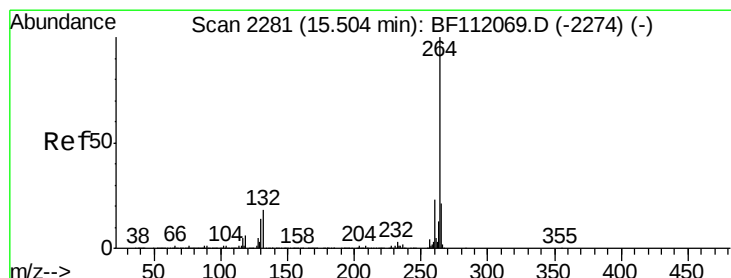
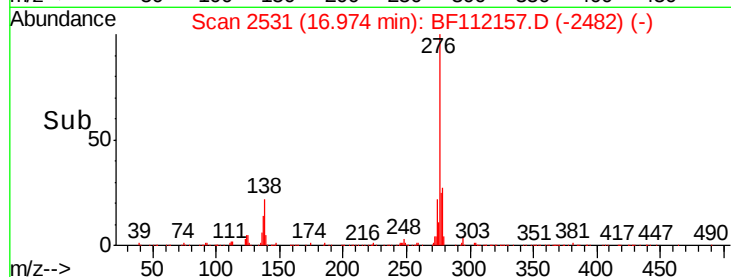
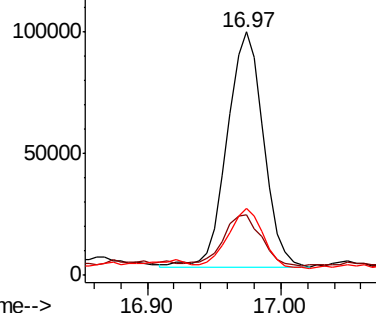
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.294 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.01 min
 Lab File: BF112157.D
 Acq: 21 Jan 2019 14:34

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.6	34.0#
277	24.3	20.3	30.5

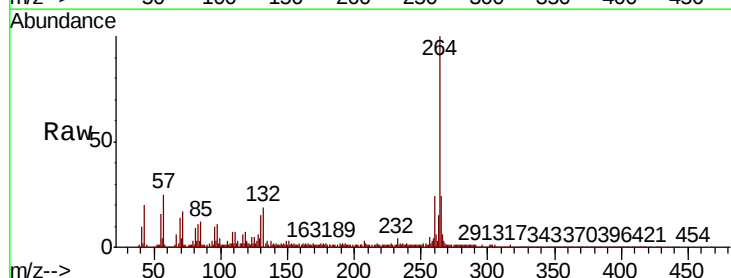


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

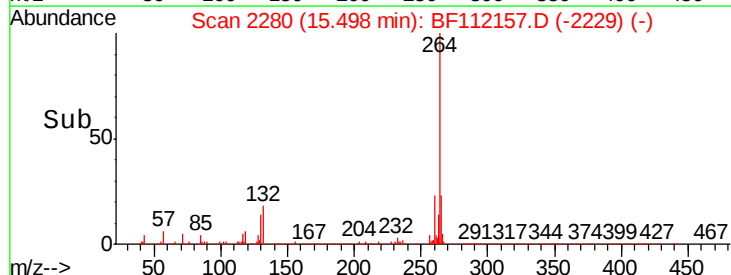
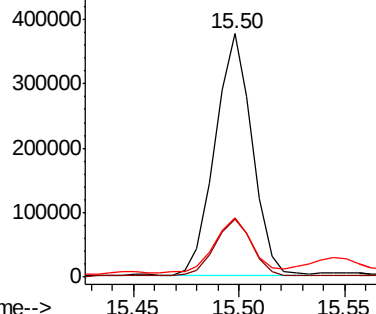


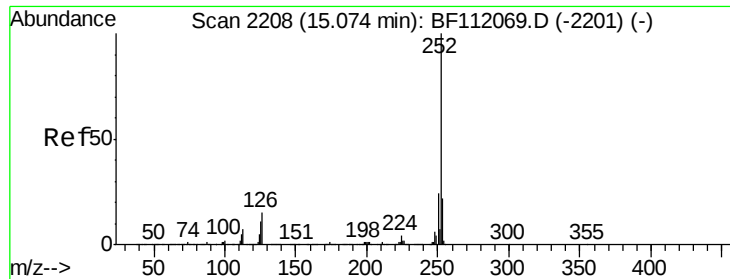
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BF112157.D
 Acq: 21 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	24.1	17.0	25.4



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

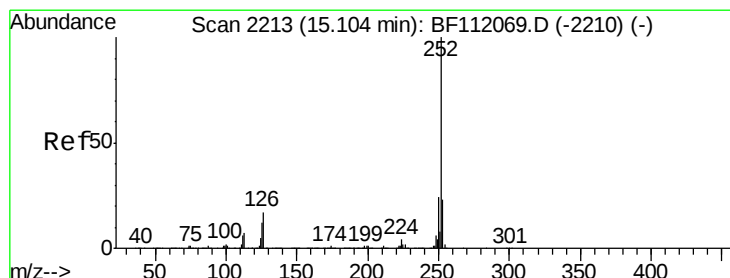
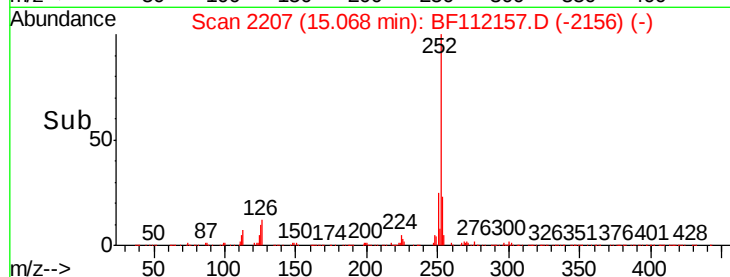
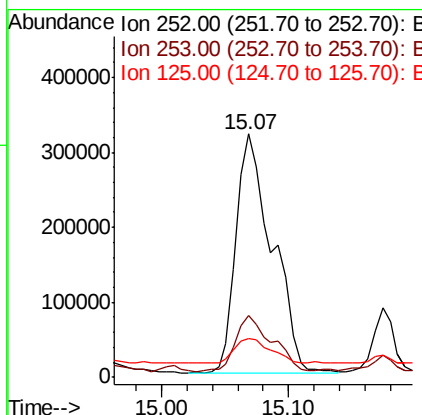
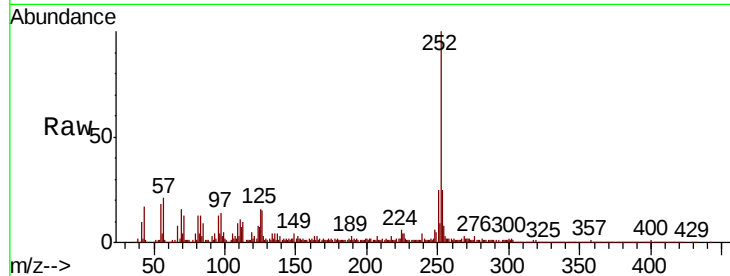




#88
Benzo(b)fluoranthene
Concen: 24.327 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

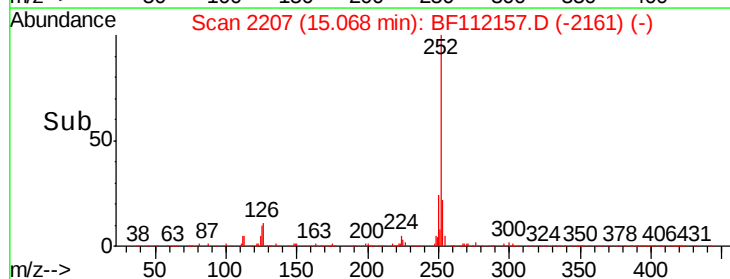
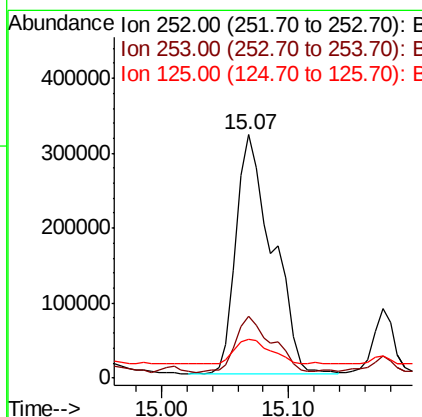
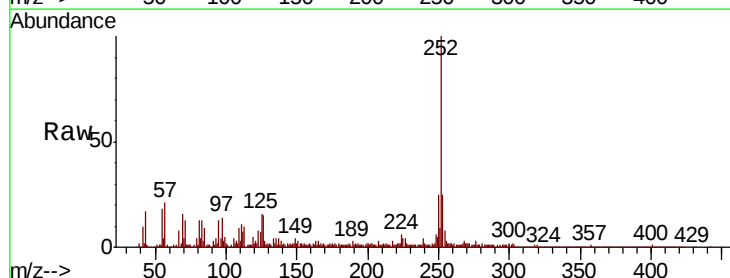
Instrument :
BNA_F
ClientSampleId :
CL-01-011819-B

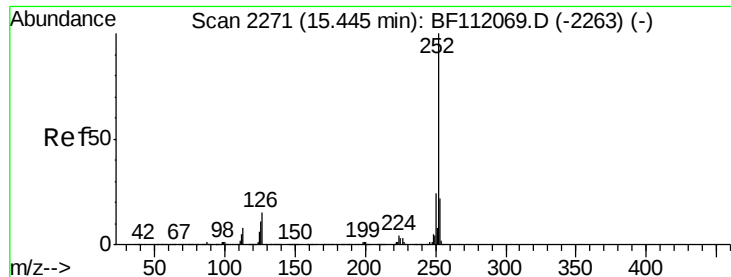
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	16.0	8.7	13.1



#89
Benzo(k)fluoranthene
Concen: 25.135 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	16.0	9.1	13.7

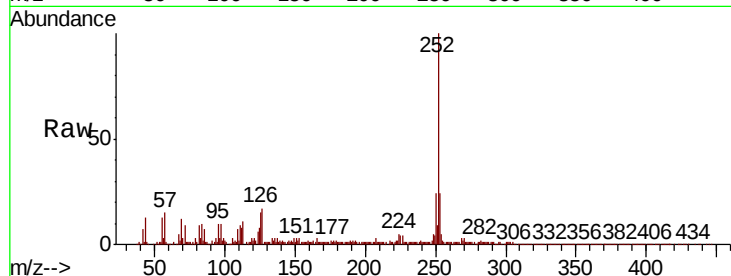




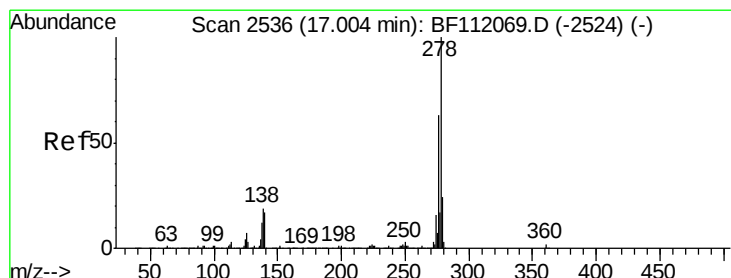
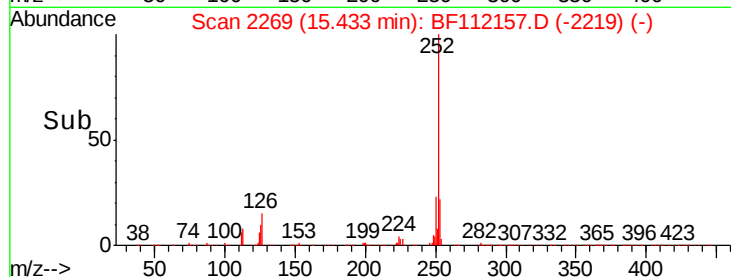
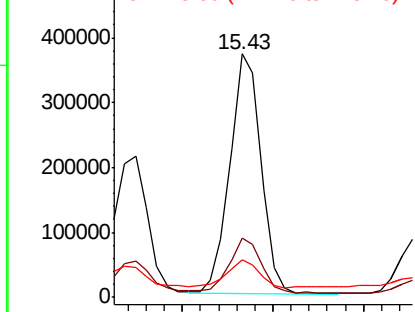
#90
Benzo(a)pyrene
Concen: 18.670 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-B

Tot Ion:252 Resp: 443283
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 15.2 9.0 13.4#

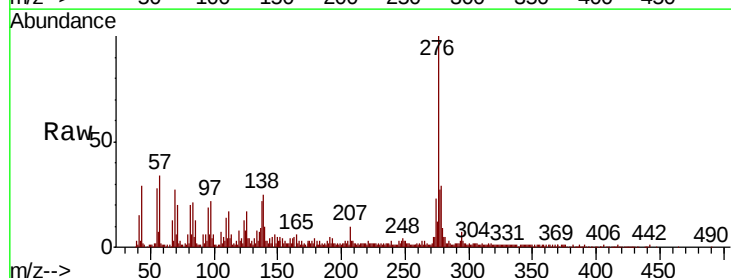


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

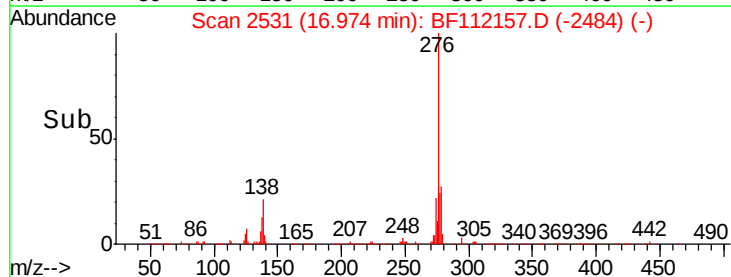
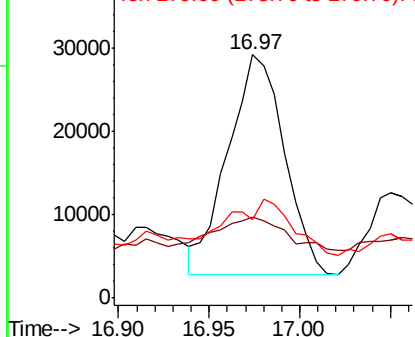


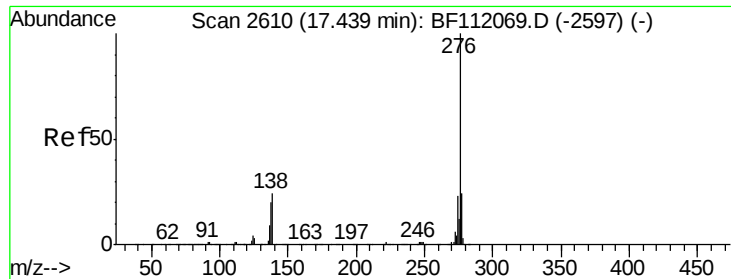
#91
Dibenzo(a,h)anthracene
Concen: 2.707 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF112157.D
Acq: 21 Jan 2019 14:34

Tgt Ion:278 Resp: 57080
Ion Ratio Lower Upper
278 100
139 33.4 13.7 20.5#
279 32.2 19.0 28.6#



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

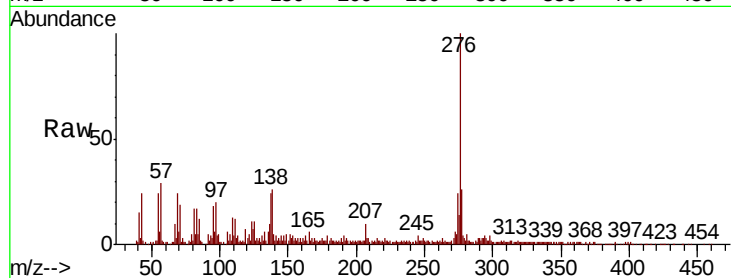




#92
 Benzo(a,h,i)perylene
 Concen: 9.505 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.01 min
 Lab File: BF112157.D
 Acq: 21 Jan 2019 14:34

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.4	29.0
138	26.1	19.1	28.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

