

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113902.D
 Acq On : 23 Apr 2019 2:13
 Operator : JU/SJ
 Sample : K2201-03RE 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-B

Quant Time: Apr 23 06:40:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	161184	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	570631	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	290283	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	616518	20.00	ng	0.00
76) Chrysene-d12	14.06	240	502781	20.00	ng	0.00
87) Perylene-d12	15.54	264	422455	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	177433	18.83	ng	0.00
7) Phenol-d6	6.52	99	225862	19.10	ng	0.00
23) Nitrobenzene-d5	7.45	82	116392	12.59	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	69886	19.76	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	257244	13.86	ng	0.00
79) Terphenyl-d14	13.00	244	371335	15.14	ng	0.00

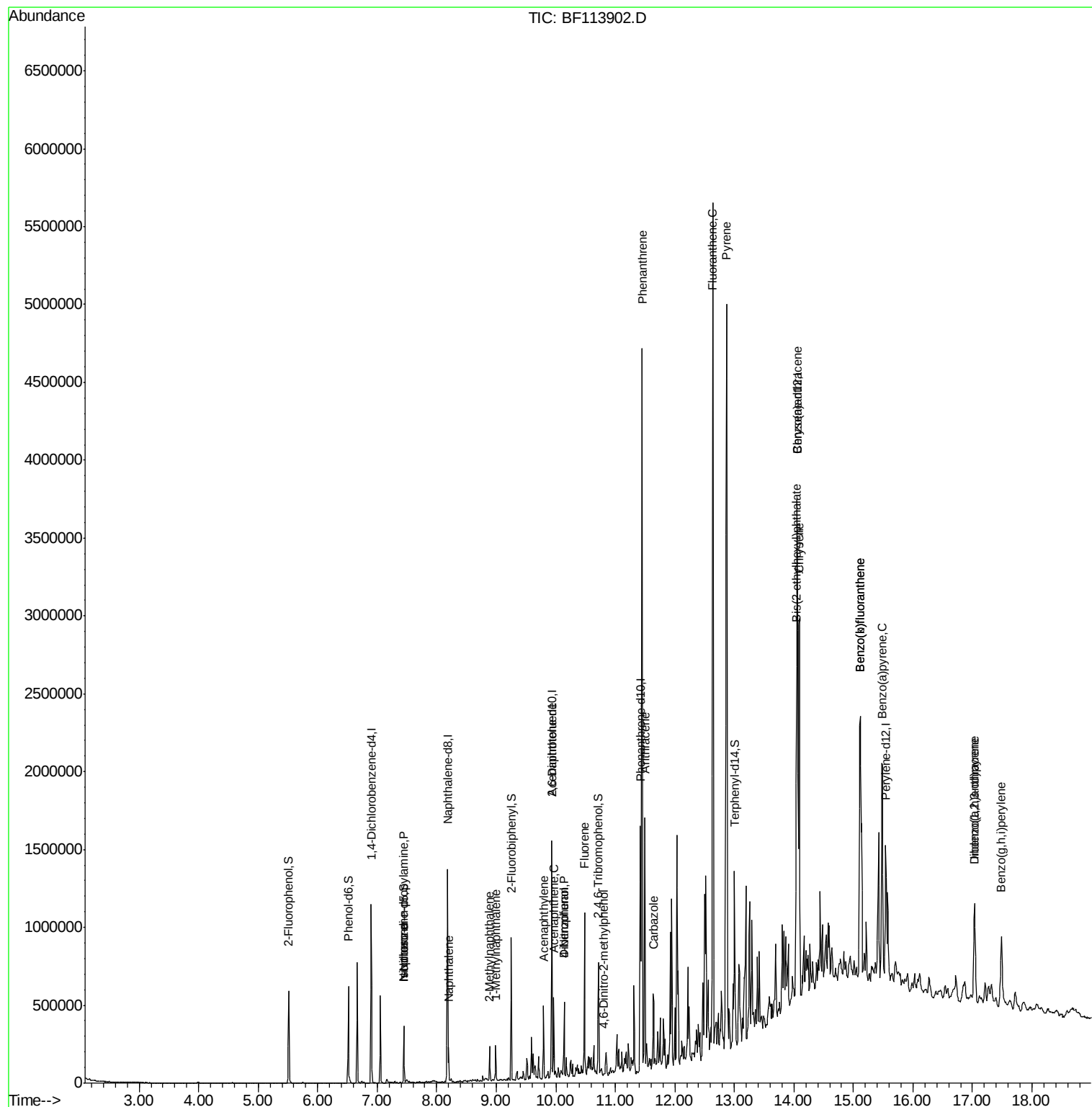
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	474	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	15461	2.019 ng	#	79
25) Isophorone	7.45	82	116390	6.155 ng	#	65
31) Naphthalene	8.20	128	82170	3.031 ng		99
37) 2-Methylnaphthalene	8.89	142	55418	3.032 ng		98
38) 1-Methylnaphthalene	8.99	142	57987	3.287 ng		95
49) Acenaphthylene	9.79	152	176652	6.257 ng		98
51) 2,6-Dinitrotoluene	9.93	165	41186	9.144 ng	#	33
52) Acenaphthene	9.96	154	109760	6.579 ng		98
55) Dibenzofuran	10.14	168	160779	6.433 ng		97
56) 4-Nitrophenol	10.14	139	54821	14.629 ng	#	14
58) Fluorene	10.48	166	277178	14.731 ng		99
65) 4,6-Dinitro-2-methylphenol	10.80	198	406	7.430 ng	#	1
71) Phenanthrene	11.45	178	1908704	61.604 ng		100
72) Anthracene	11.50	178	631145	20.172 ng		99
73) Carbazole	11.64	167	194513	6.968 ng		98
75) Fluoranthene	12.64	202	2541536	75.185 ng		98
78) Pyrene	12.87	202	2314856	65.837 ng		99
81) Benzo(a)anthracene	14.05	228	1216348	41.061 ng		96
83) Chrysene	14.09	228	1046747	36.282 ng		98
84) Bis(2-ethylhexyl)phthalate	14.04	149	215775	12.259 ng		100
86) Indeno(1,2,3-cd)pyrene	17.03	276	452817	16.570 ng		94
88) Benzo(b)fluoranthene	15.12	252	1466073	54.851 ng		98
89) Benzo(k)fluoranthene	15.12	252	1466073	63.767 ng		99
90) Benzo(a)pyrene	15.49	252	734079	31.752 ng		98
91) Dibenzo(a,h)anthracene	17.04	278	118775	5.473 ng		94
92) Benzo(g,h,i)perylene	17.49	276	395859	18.075 ng		98

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

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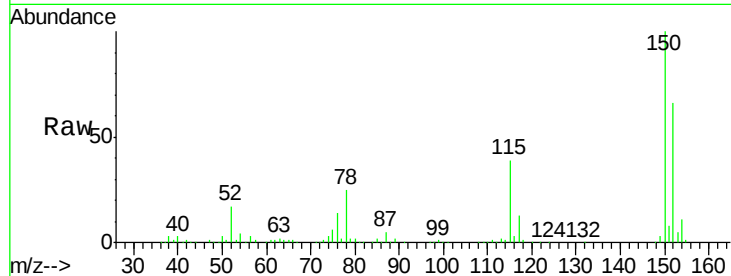


#1

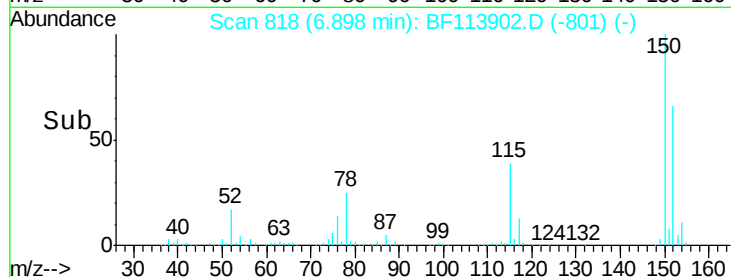
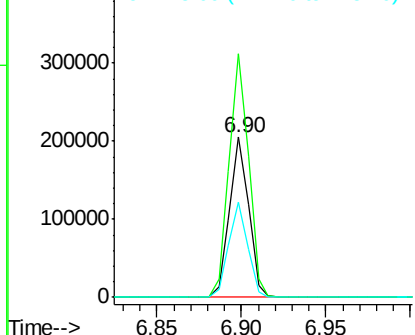
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

Tot Ion:152 Resp: 161184
Ion Ratio Lower Upper
152 100
150 151.9 125.9 188.9
115 59.1 45.9 68.9



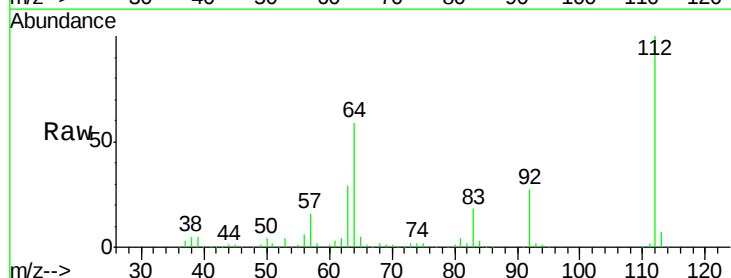
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



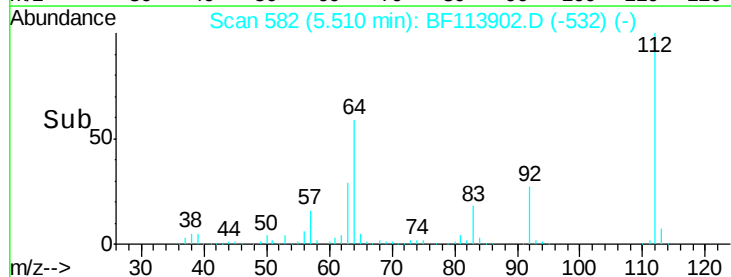
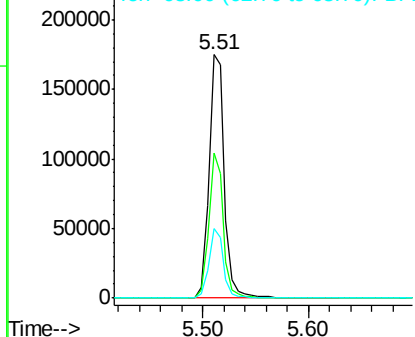
#5

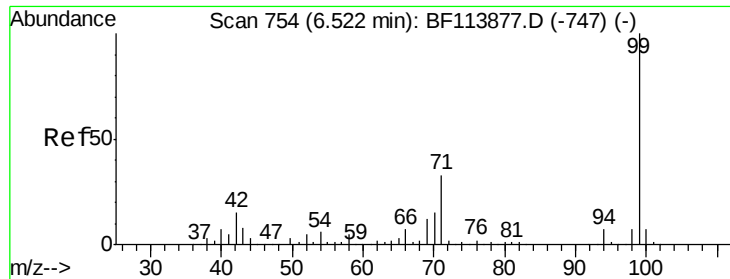
2-Fluorophenol
Concen: 18.828 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion:112 Resp: 177433
Ion Ratio Lower Upper
112 100
64 59.5 46.6 69.8
63 28.5 23.1 34.7



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: 19.103 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

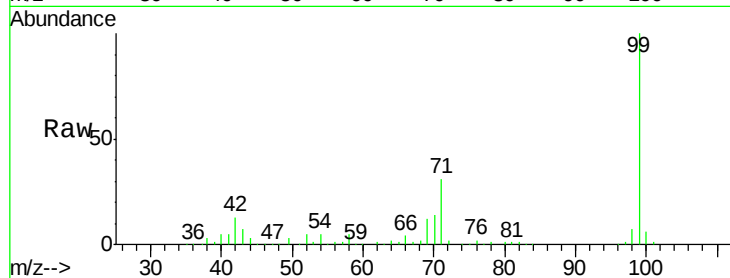
Tot Ion: 99 Resp: 225862

Ion Ratio Lower Upper

99 100

42 13.4 12.5 18.7

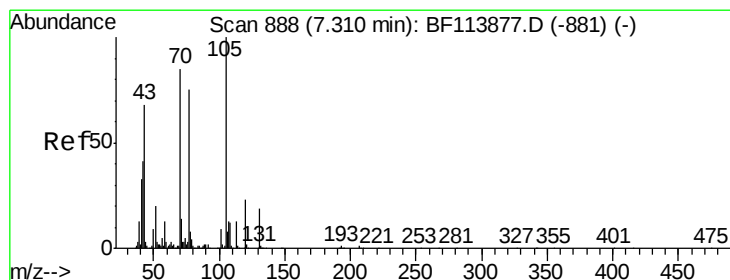
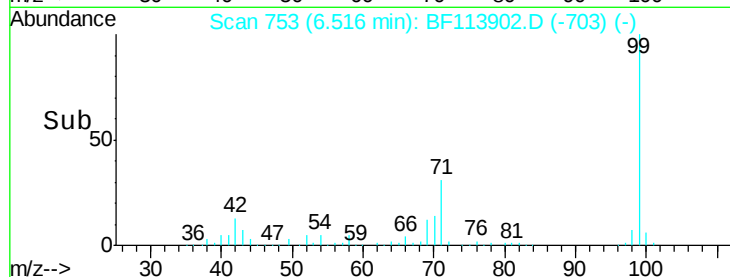
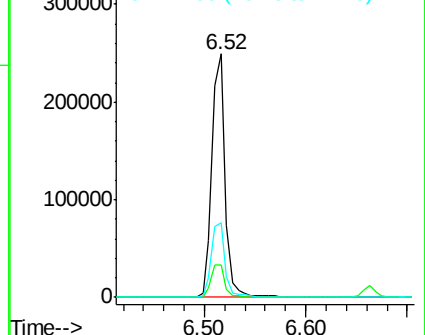
71 30.7 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.019 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Tgt Ion: 70 Resp: 15461

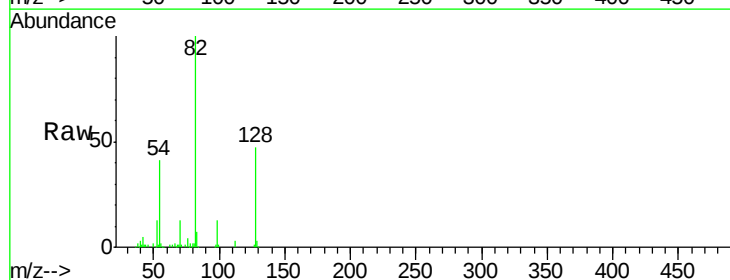
Ion Ratio Lower Upper

70 100

42 40.0 37.3 55.9

101 0.0 7.8 11.8#

130 2.5 18.2 27.2#

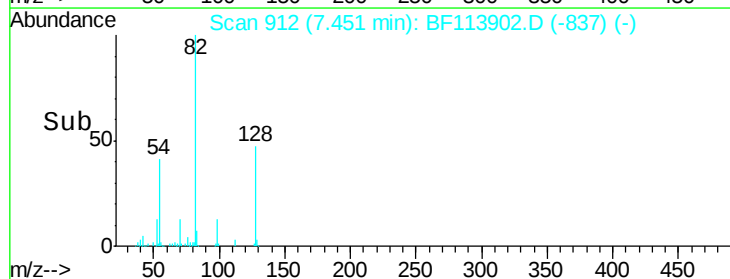
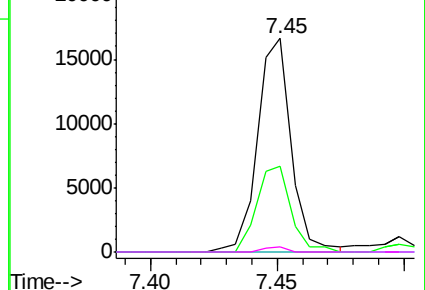


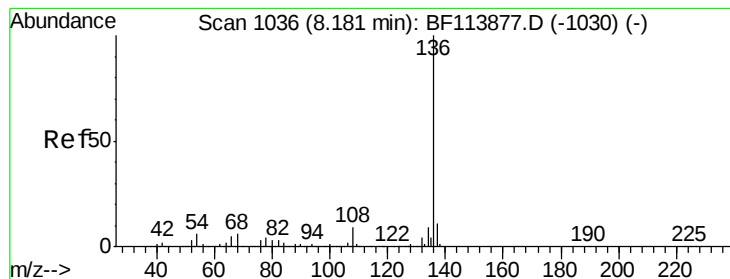
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

Tot Ion:136 Resp: 570631

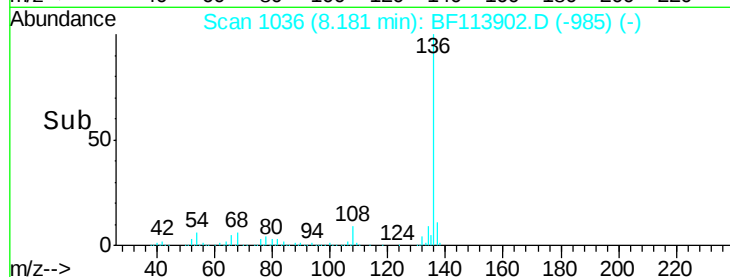
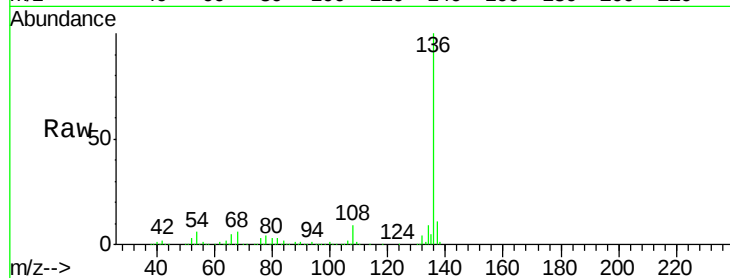
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 6.0 5.0 7.6

68 5.9 4.9 7.3

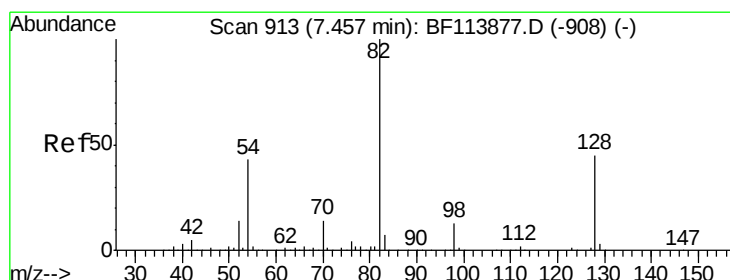
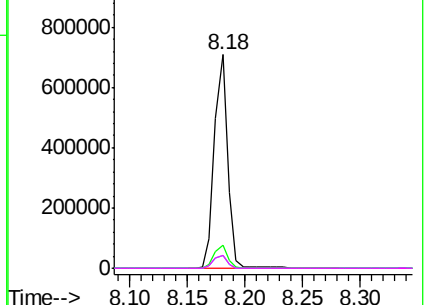


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.594 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

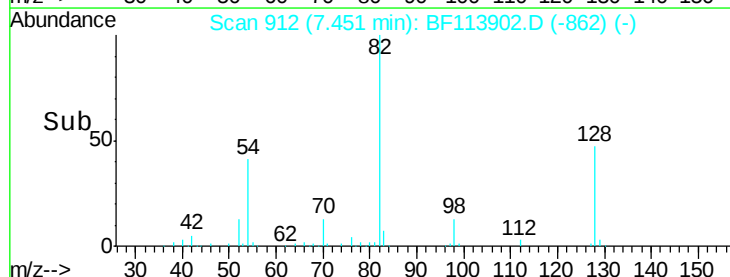
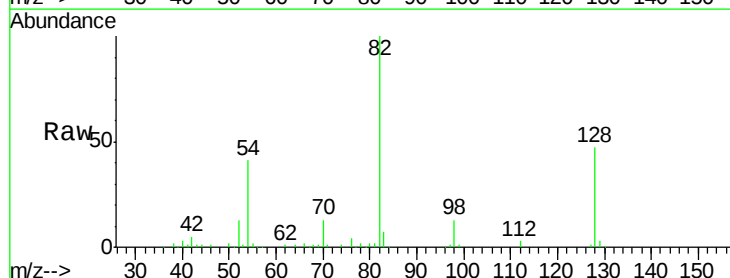
Tgt Ion: 82 Resp: 116392

Ion Ratio Lower Upper

82 100

128 46.7 36.8 55.2

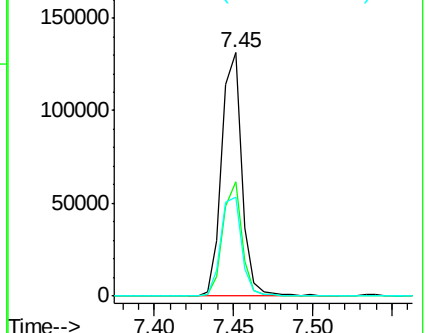
54 40.8 33.8 50.6

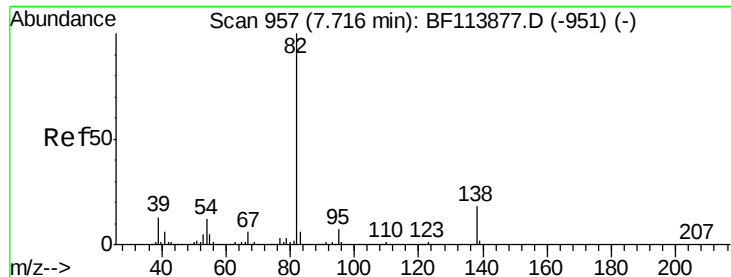


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.155 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

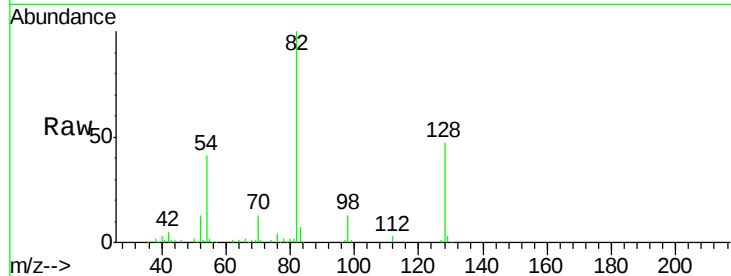
Tot Ion: 82 Resp: 116390

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

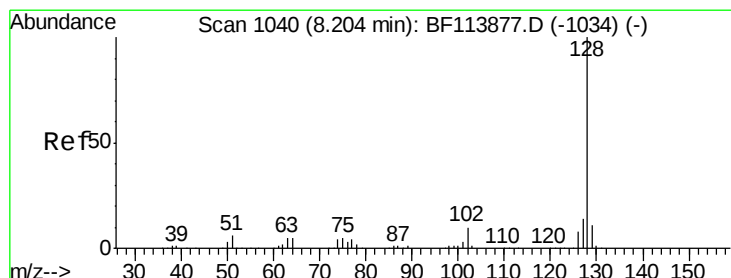
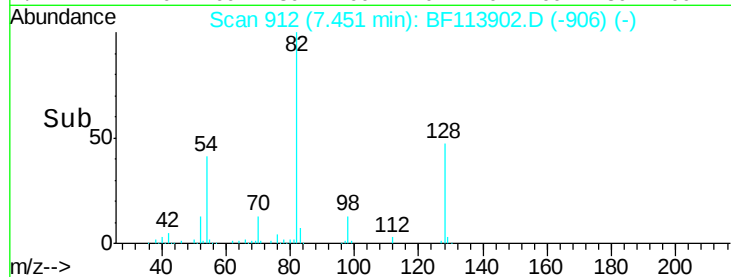
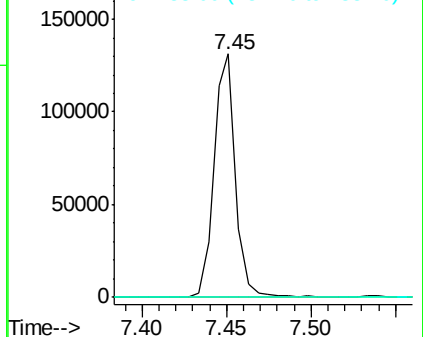
138 0.0 14.6 22.0#



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



#31

Naphthalene

Concen: 3.031 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

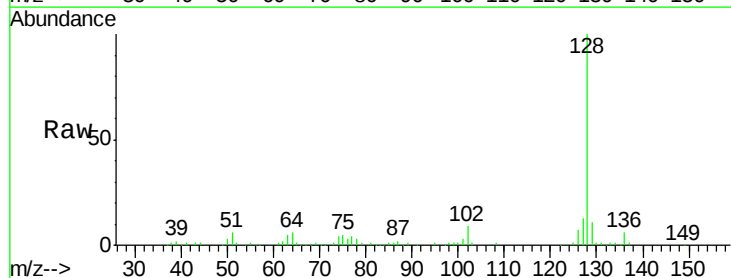
Tgt Ion: 128 Resp: 82170

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.0

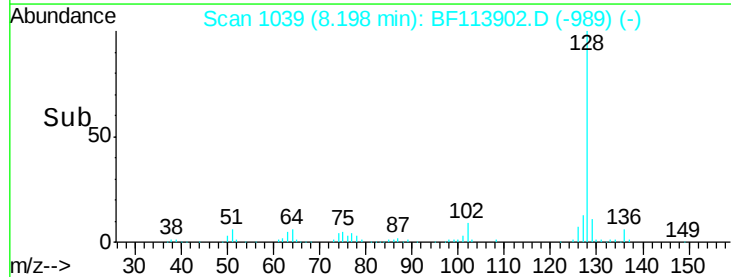
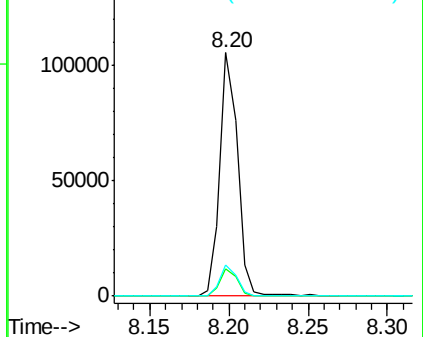
127 12.8 10.8 16.2

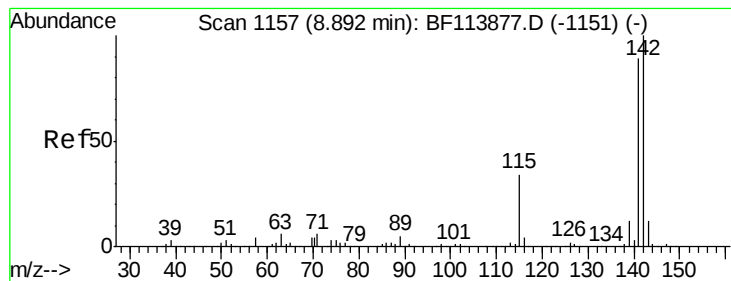


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





#37

2-Methylnaphthalene

Concen: 3.032 ng

RT: 8.89 min Scan# 1157

Delta R.T. 0.00 min

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PL-01-041819-B

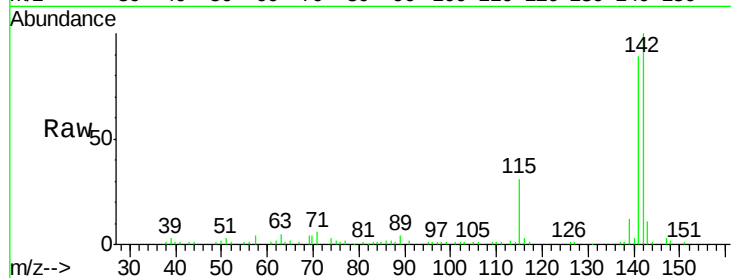
Tot Ion:142 Resp: 55418

Ion Ratio Lower Upper

142 100

141 89.1 70.4 105.6

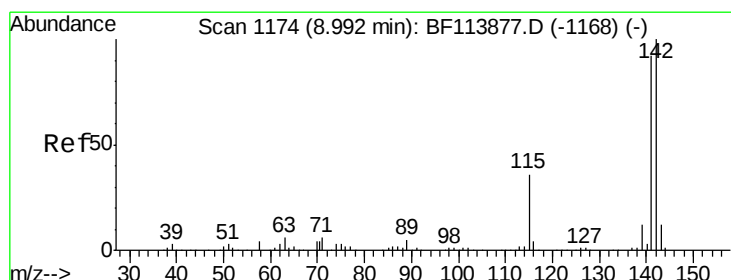
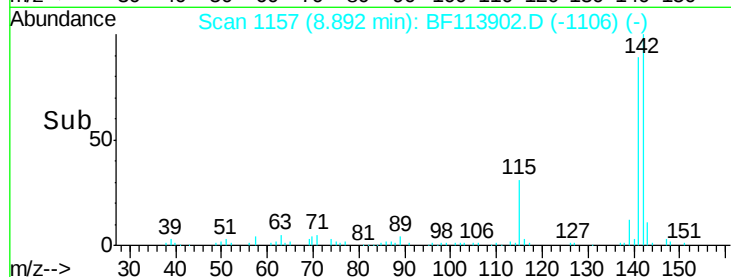
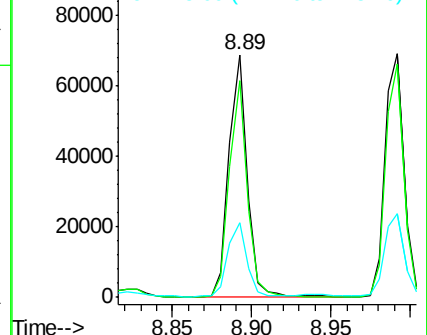
115 31.0 26.3 39.5



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

1-Methylnaphthalene

Concen: 3.287 ng

RT: 8.99 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

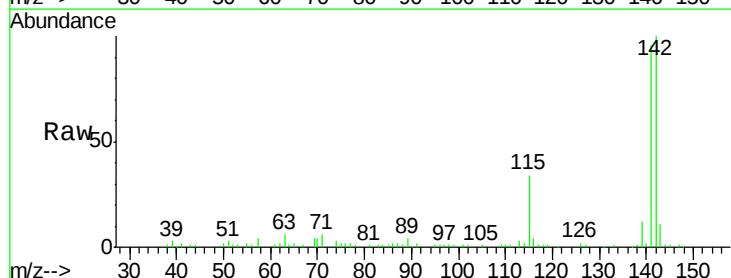
Tgt Ion:142 Resp: 57987

Ion Ratio Lower Upper

142 100

141 95.8 72.3 108.5

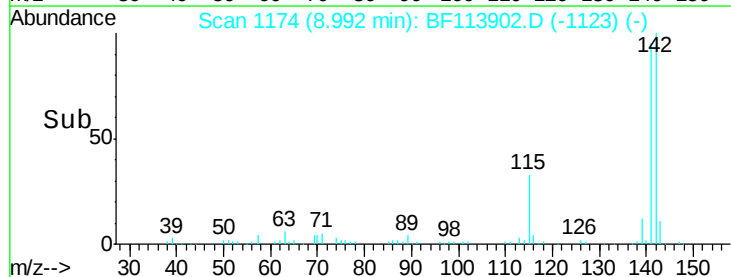
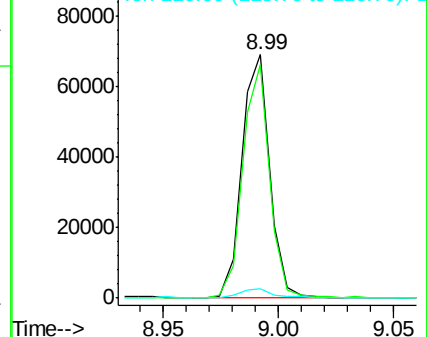
116 4.0 3.0 4.4

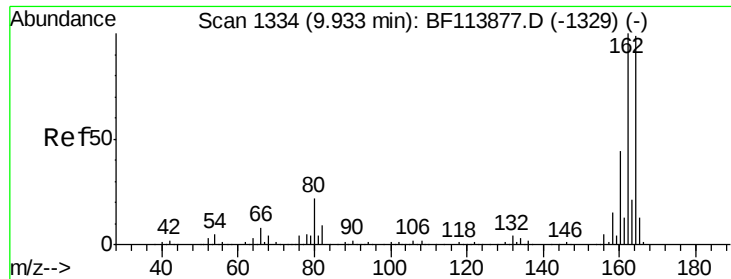


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

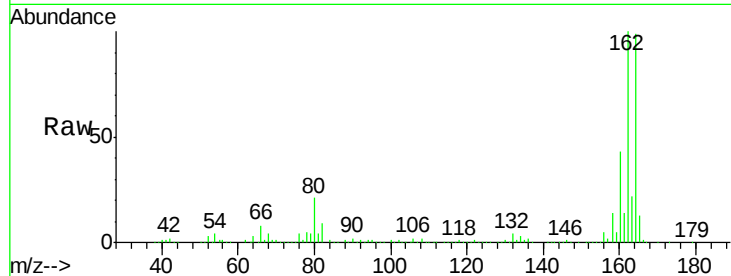




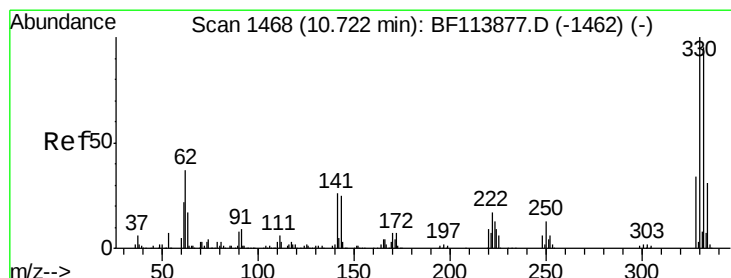
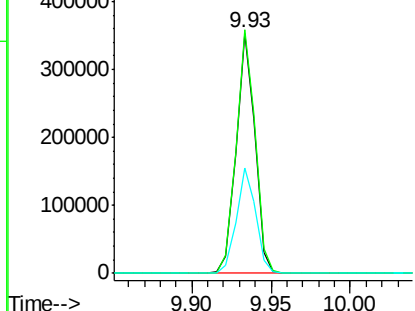
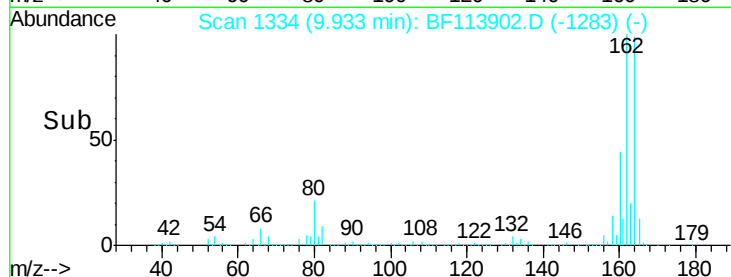
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Instrument :
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 PL-01-041819-B

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.1	121.7
160	44.0	35.8	53.6

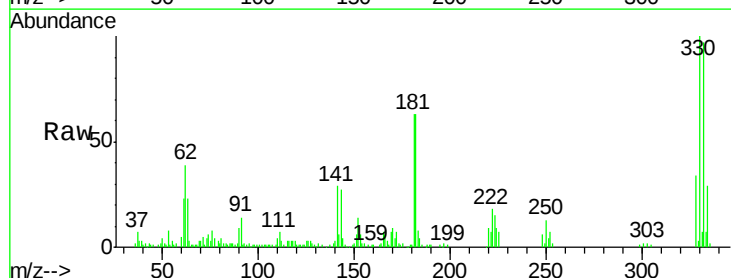


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

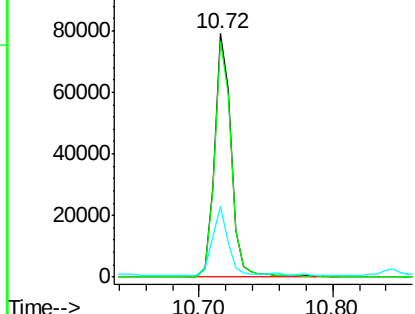
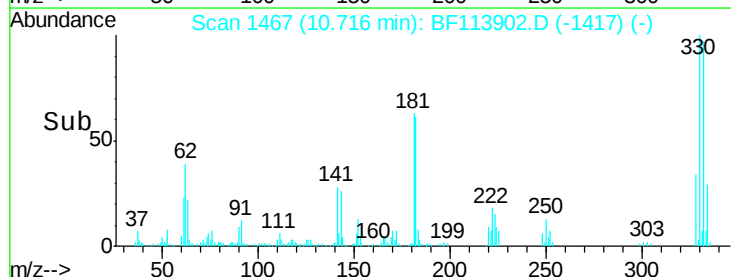


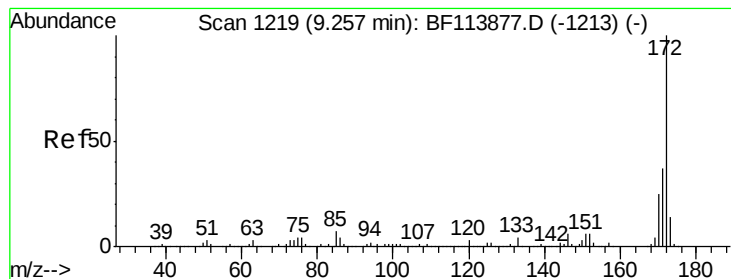
#42
 2,4,6-Tribromophenol
 Concen: 19.763 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.5	116.3
141	26.7	22.2	33.2



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: 13.860 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

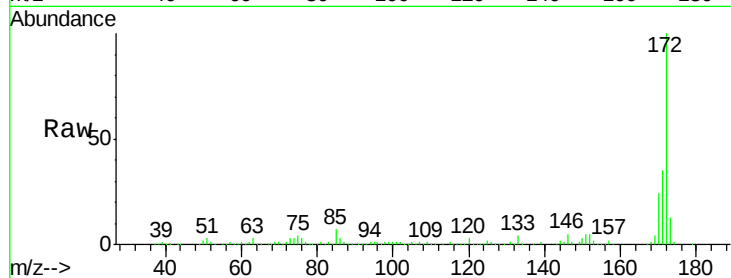
Tot Ion:172 Resp: 257244

Ion Ratio Lower Upper

172 100

171 35.2 29.4 44.0

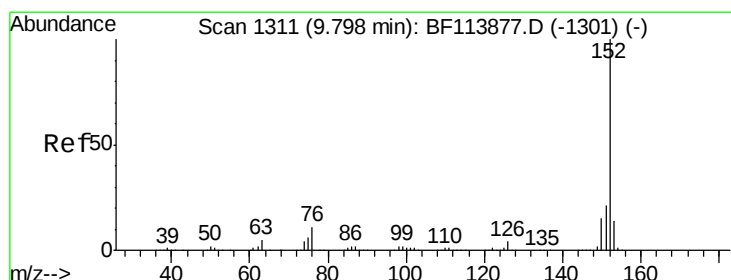
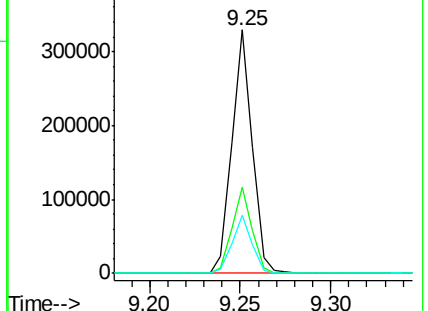
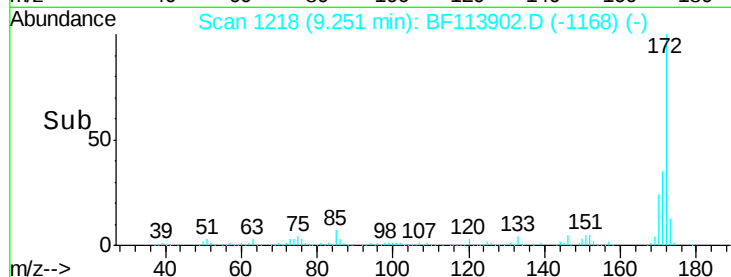
170 23.9 19.9 29.9



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



#49

Acenaphthylene

Concen: 6.257 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

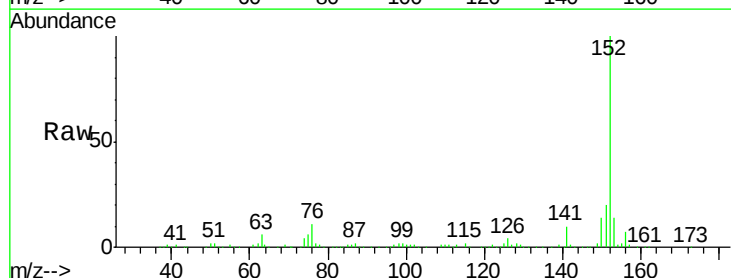
Tgt Ion:152 Resp: 176652

Ion Ratio Lower Upper

152 100

151 19.6 17.0 25.4

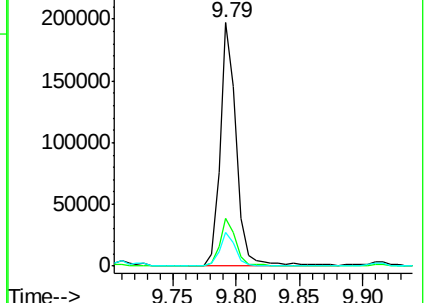
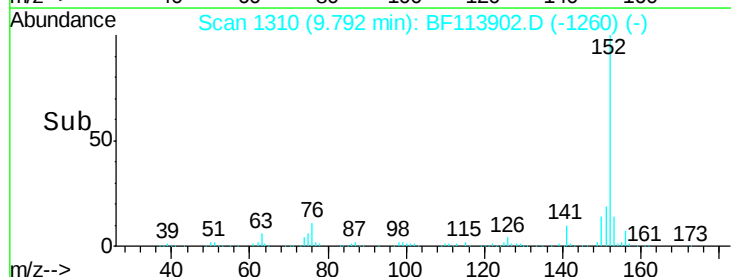
153 14.0 11.0 16.6

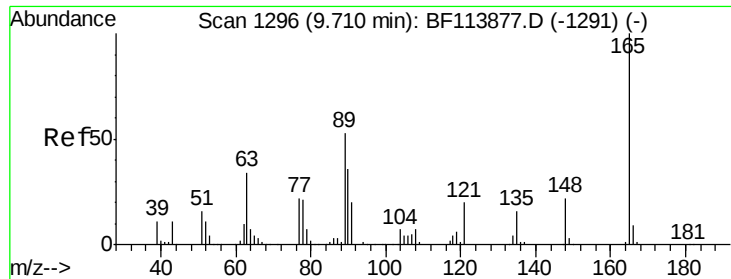


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

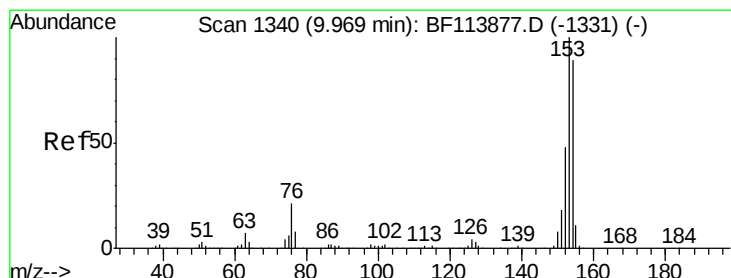
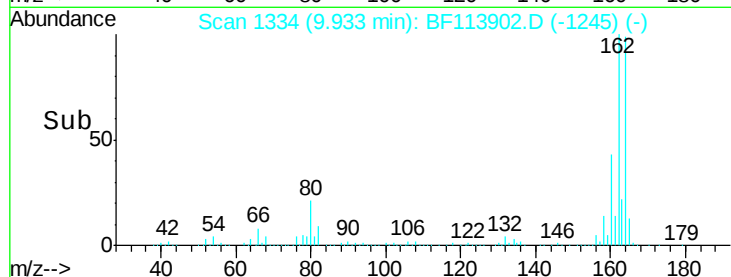
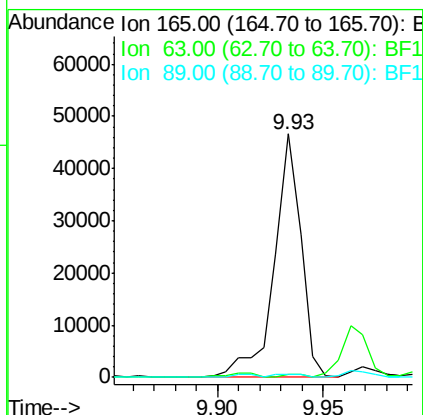
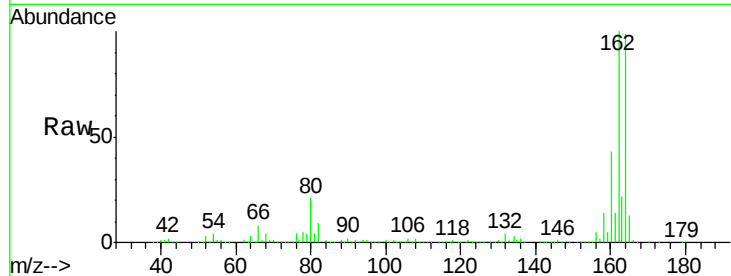




#51
2,6-Dinitrotoluene
Concen: 9.144 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.22 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

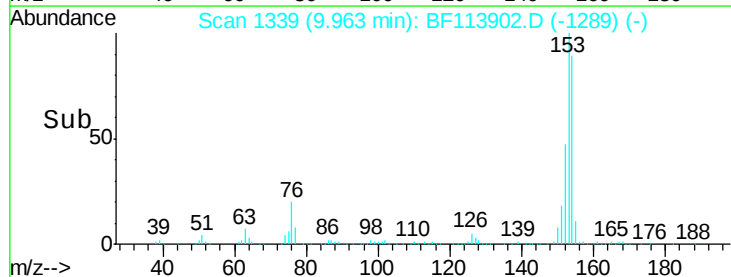
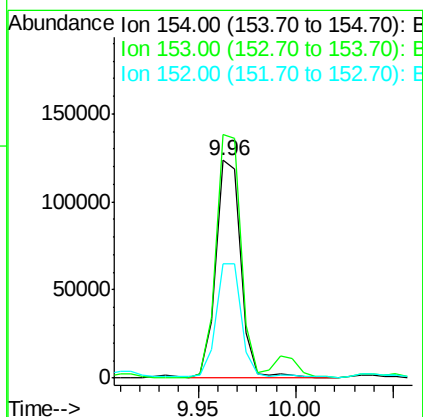
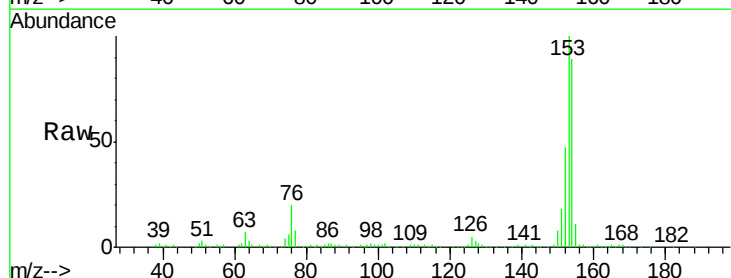
Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

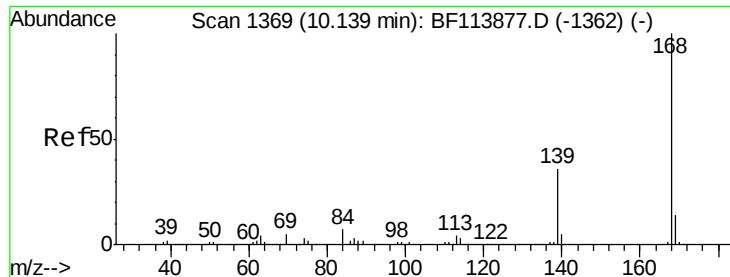
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	1.5	38.2	57.2#



#52
Acenaphthene
Concen: 6.579 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.0	87.2	130.8
152	52.7	42.3	63.5





#55

Dibenzofuran

Concen: 6.433 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

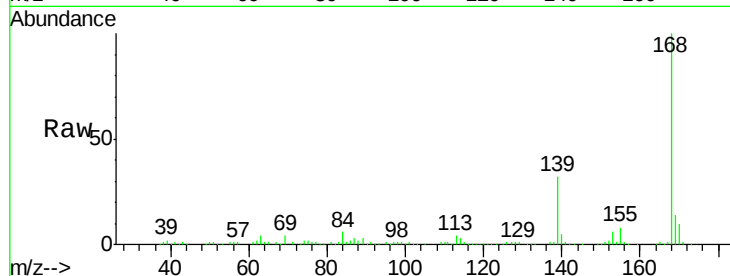
Tot Ion:168 Resp: 160779

Ion Ratio Lower Upper

168 100

139 32.3 27.8 41.6

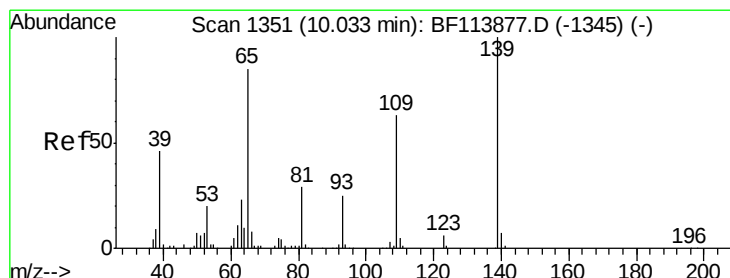
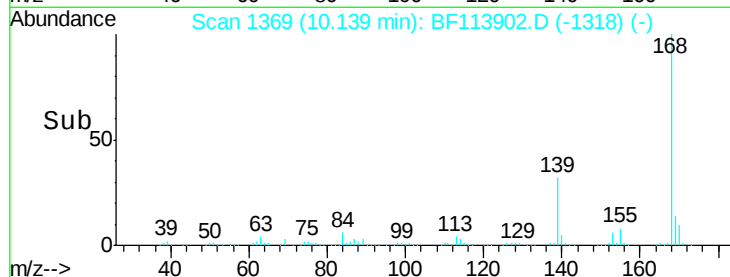
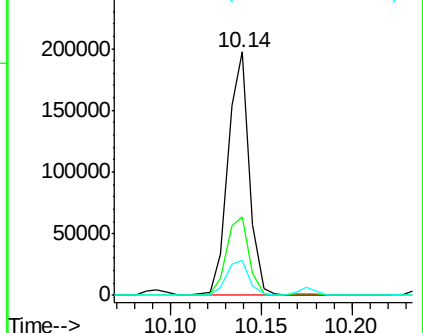
169 14.4 11.0 16.6



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: 14.629 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.11 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

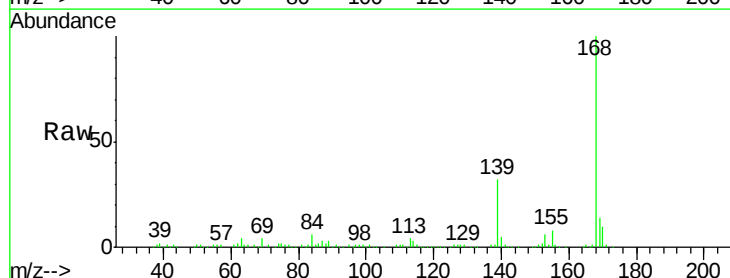
Tgt Ion:139 Resp: 54821

Ion Ratio Lower Upper

139 100

109 1.7 42.9 82.9#

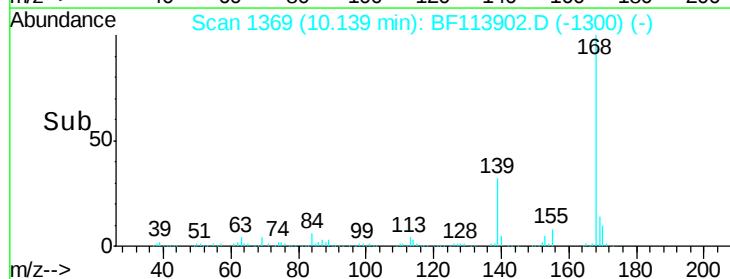
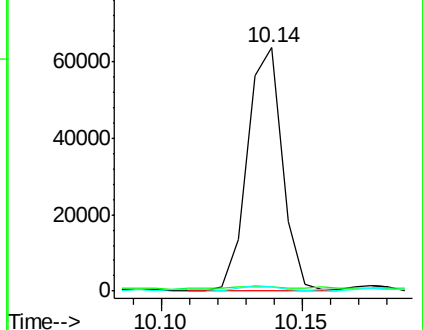
65 2.0 64.4 104.4#

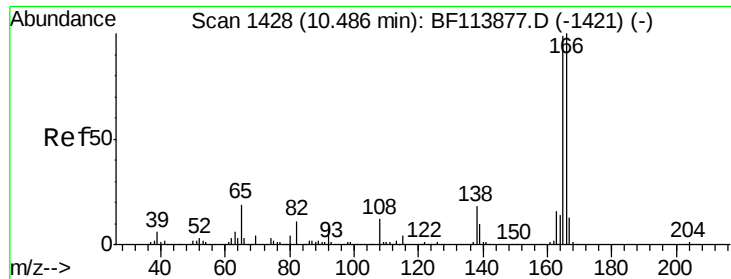


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#58

Fluorene

Concen: 14.731 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

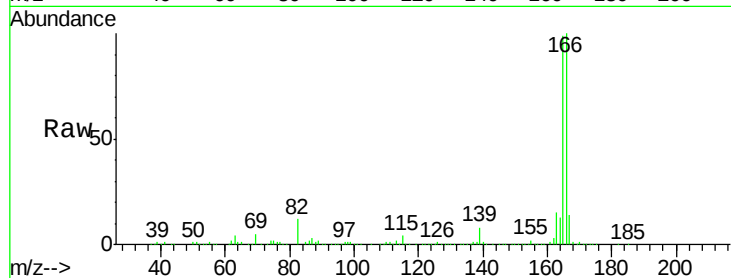
Tot Ion:166 Resp: 277178

Ion Ratio Lower Upper

166 100

165 98.9 78.4 117.6

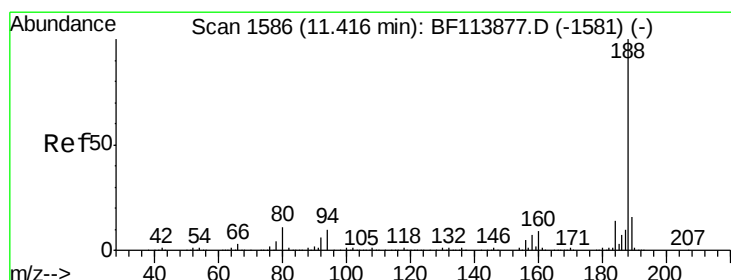
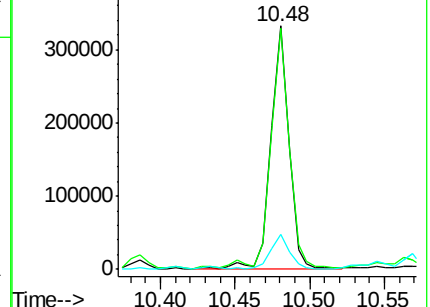
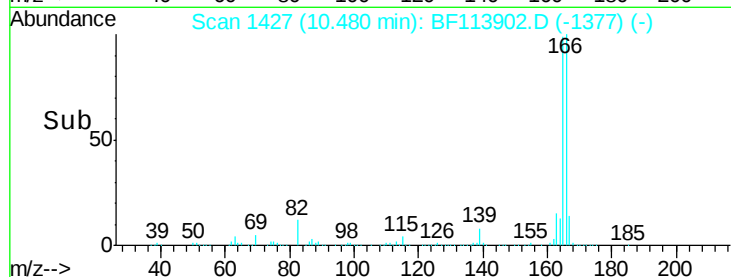
167 14.2 10.9 16.3



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: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

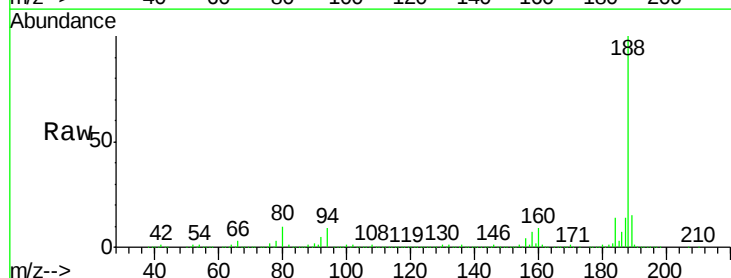
Tgt Ion:188 Resp: 616518

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.4

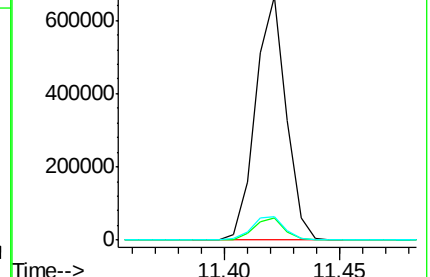
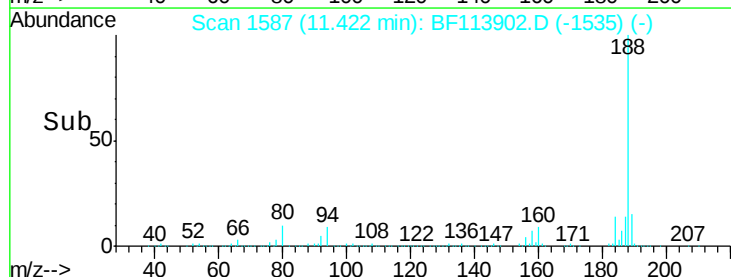
80 9.7 9.0 13.6

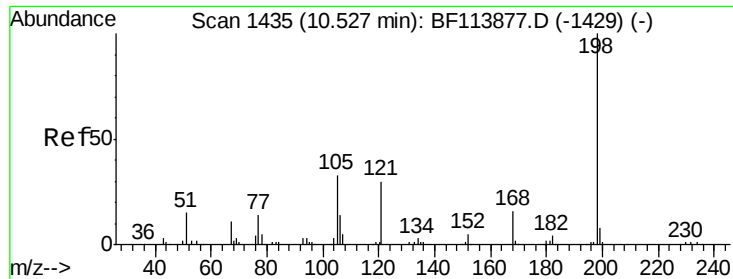


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

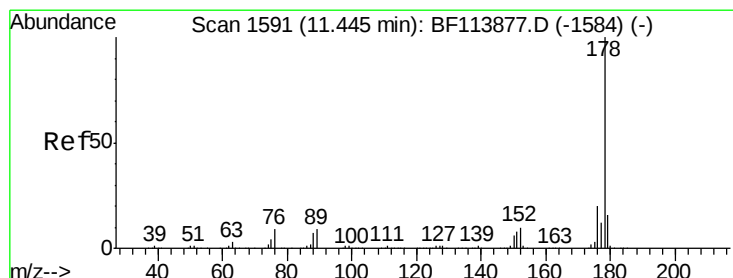
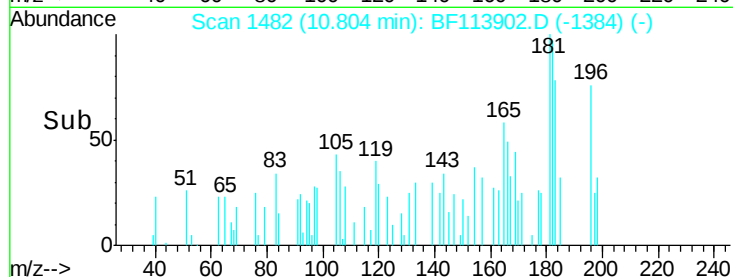
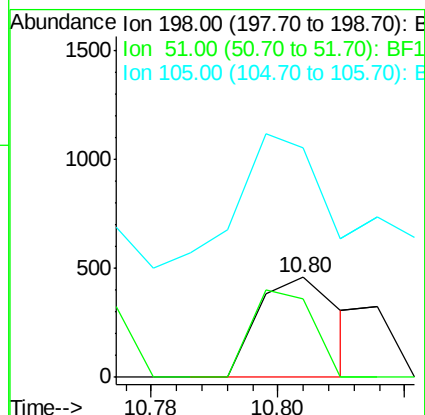
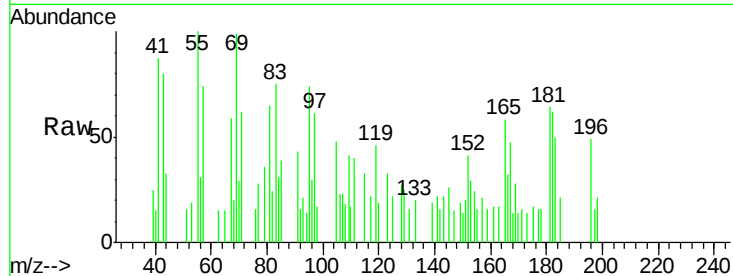




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.430 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.28 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

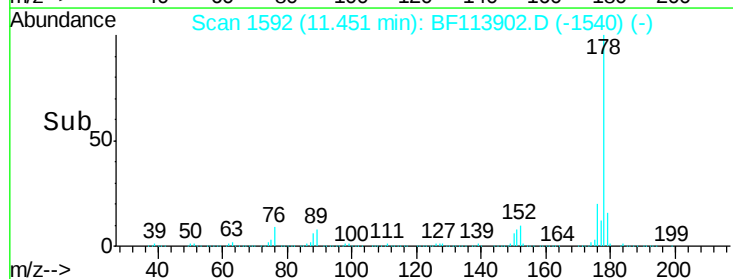
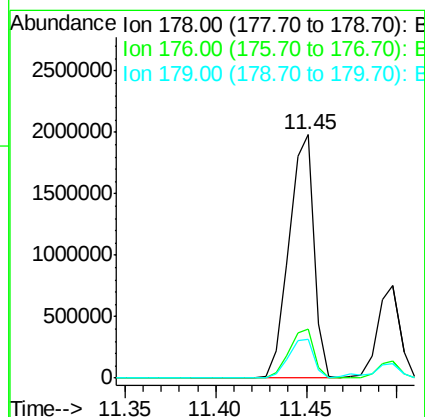
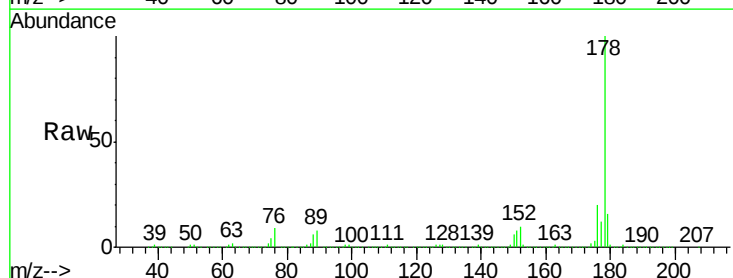
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-B

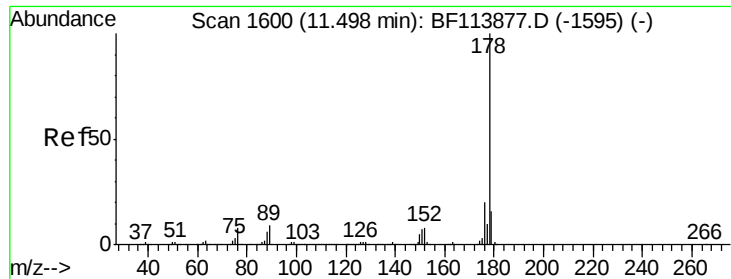
Tot Ion:198 Resp: 406
 Ion Ratio Lower Upper
 198 100
 51 78.9 11.1 51.1#
 105 229.1 20.7 60.7#



#71
 Phenanthrene
 Concen: 61.604 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.01 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Tgt Ion:178 Resp: 1908704
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.1 24.1
 179 16.1 12.8 19.2





#72

Anthracene

Concen: 20.172 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.00 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

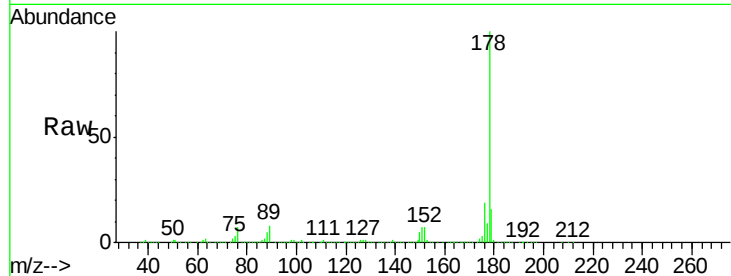
Tot Ion:178 Resp: 631145

Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

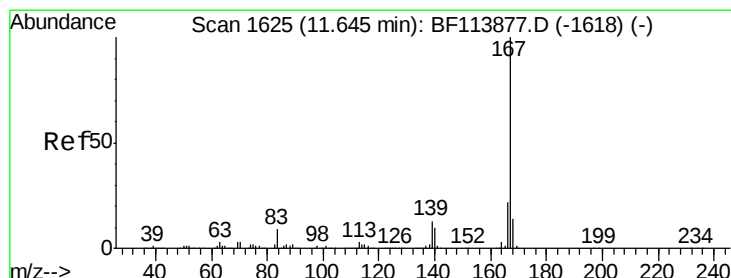
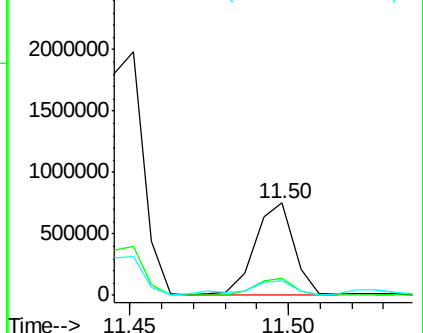
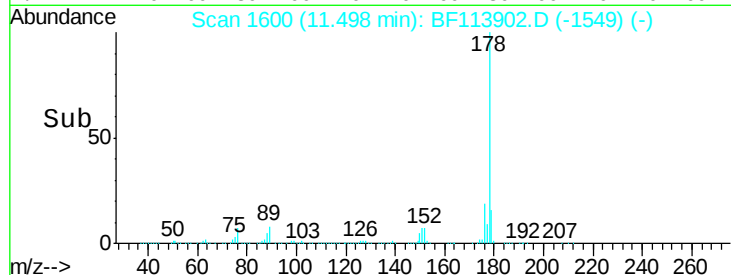
179 15.7 13.0 19.4



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



#73

Carbazole

Concen: 6.968 ng

RT: 11.64 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

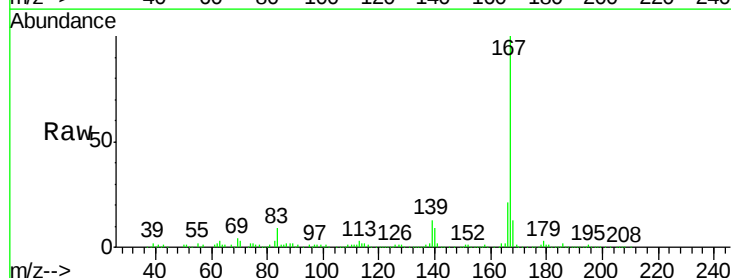
Tgt Ion:167 Resp: 194513

Ion Ratio Lower Upper

167 100

166 21.0 17.7 26.5

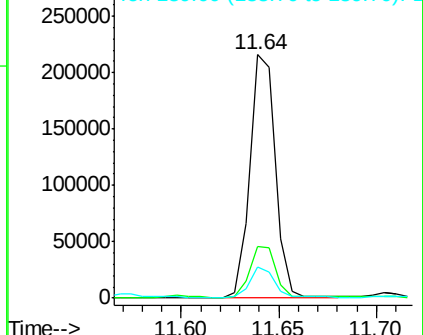
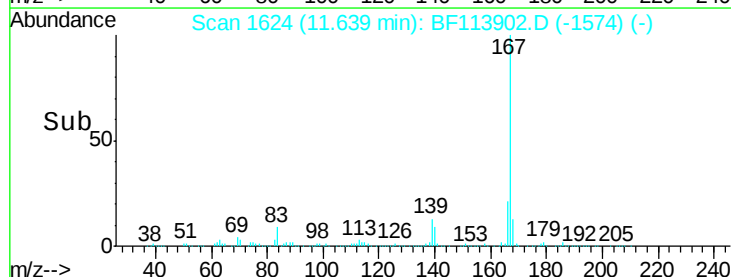
139 12.7 10.0 15.0

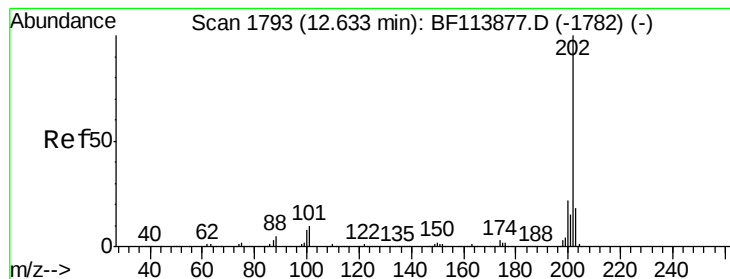


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 75.185 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

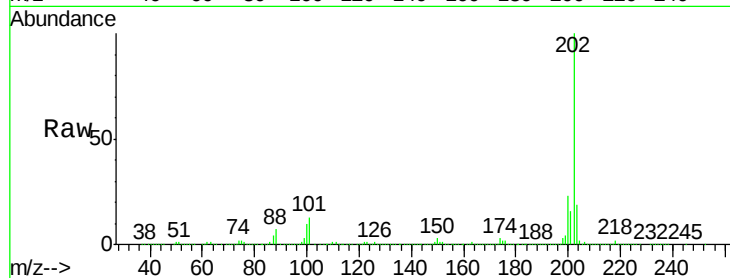
Tot Ion:202 Resp: 2541536

Ion Ratio Lower Upper

202 100

101 13.1 0.0 32.9

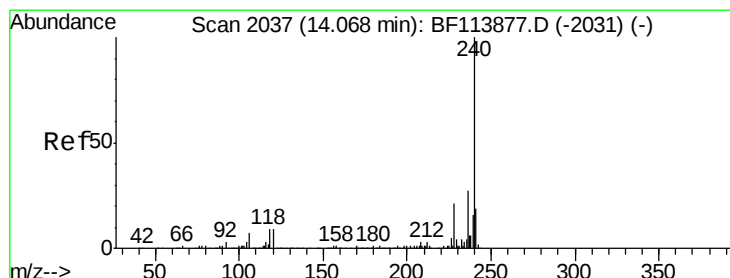
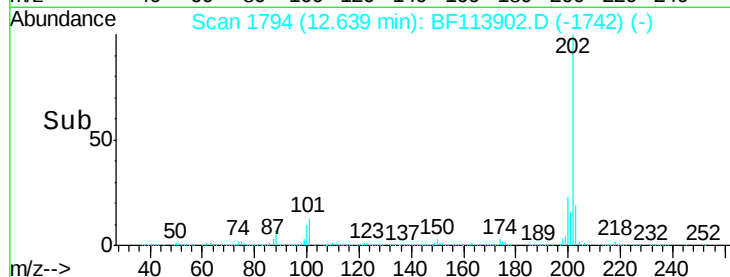
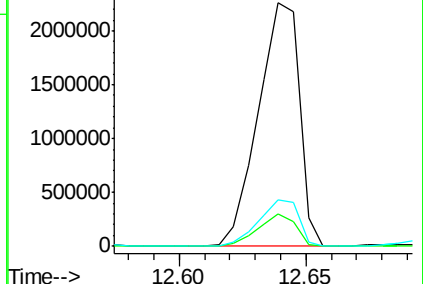
203 19.3 0.0 38.2



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

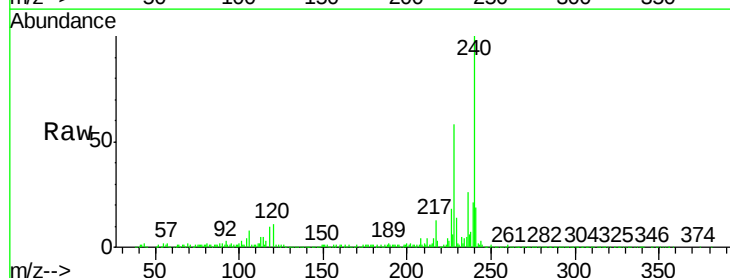
Tgt Ion:240 Resp: 502781

Ion Ratio Lower Upper

240 100

120 10.8 9.3 13.9

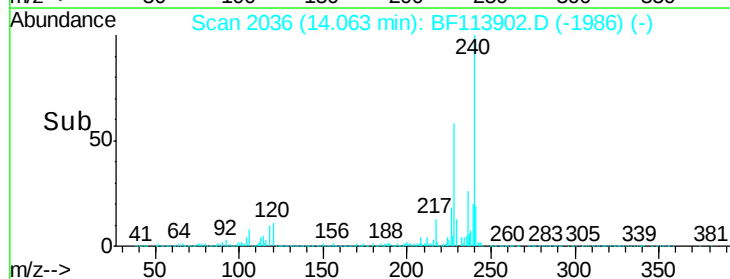
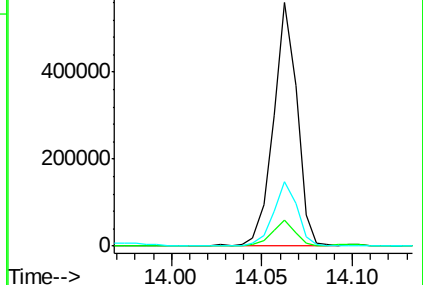
236 26.3 21.2 31.8

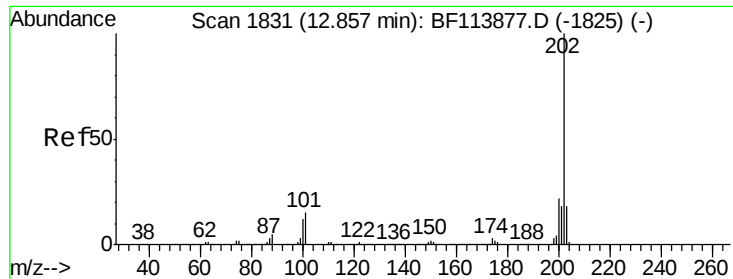


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

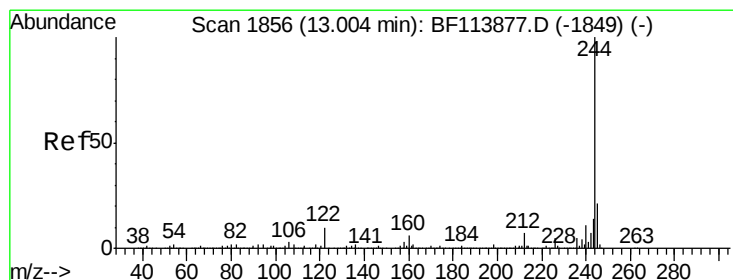
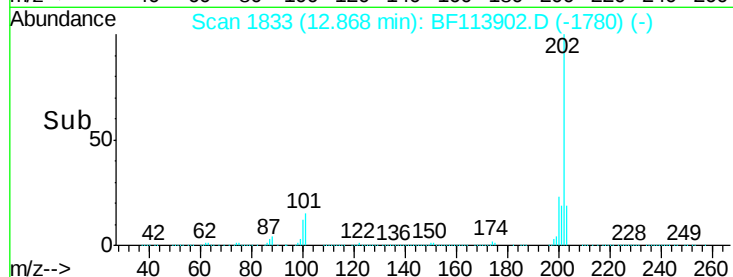
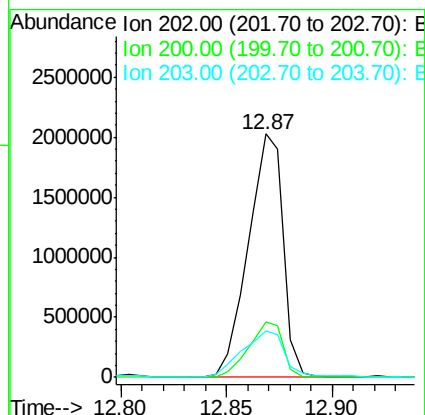
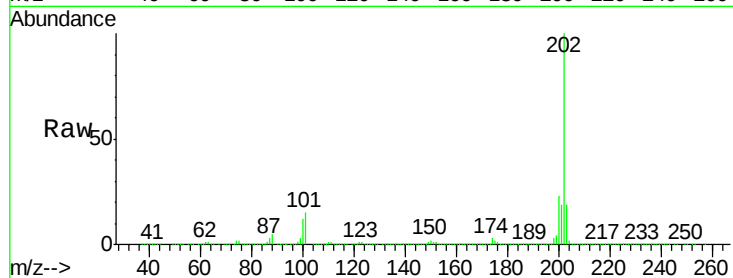




#78
Pvrene
Concen: 65.837 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

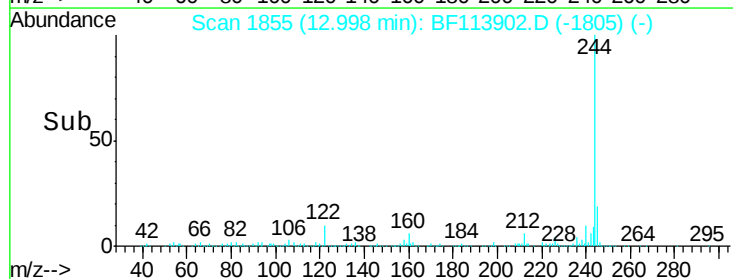
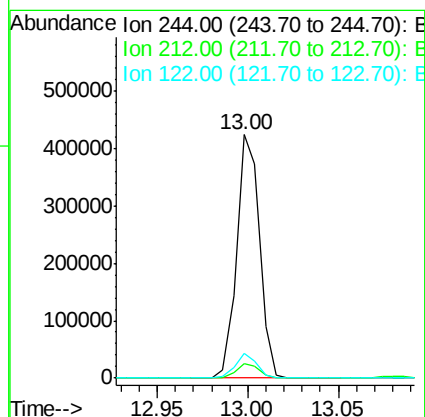
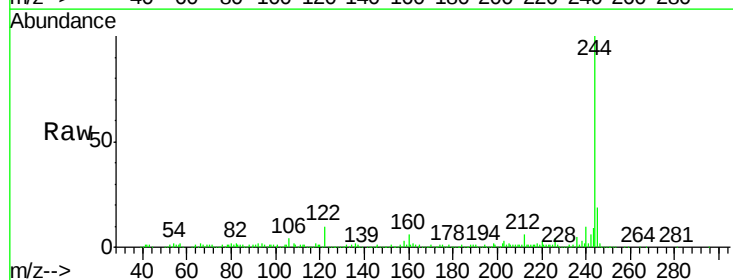
Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

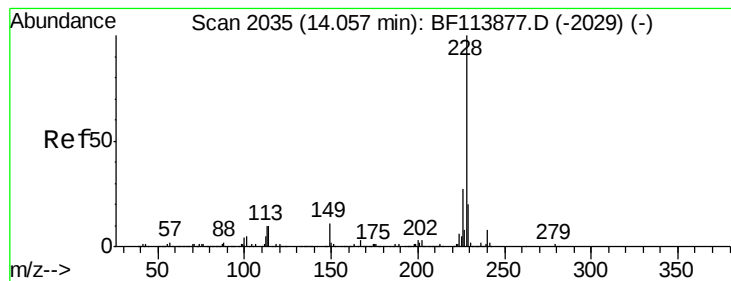
Tot Ion:202 Resp: 2314856
Ion Ratio Lower Upper
202 100
200 22.6 17.7 26.5
203 19.3 15.0 22.6



#79
Terphenyl-d14
Concen: 15.142 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion:244 Resp: 371335
Ion Ratio Lower Upper
244 100
212 6.2 5.4 8.2
122 10.3 7.6 11.4





#81

Benzo(a)anthracene

Concen: 41.061 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

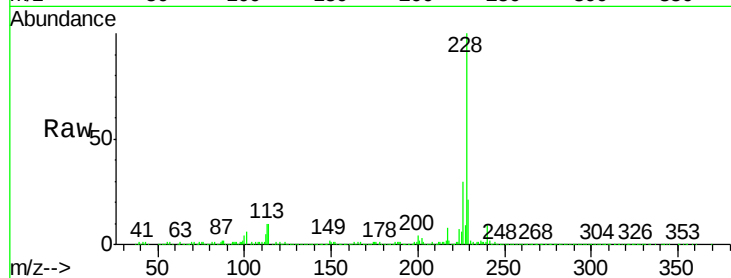
Tot Ion:228 Resp: 1216348

Ion Ratio Lower Upper

228 100

226 29.9 22.2 33.2

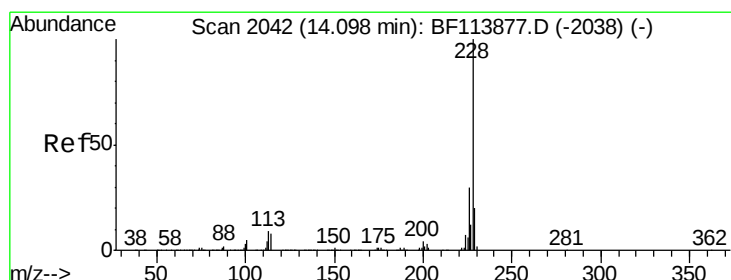
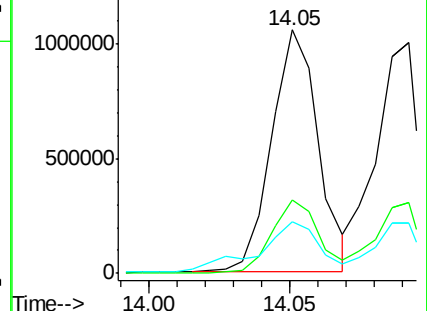
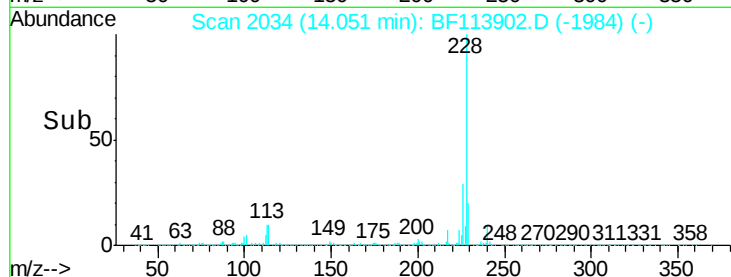
229 21.2 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 36.282 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

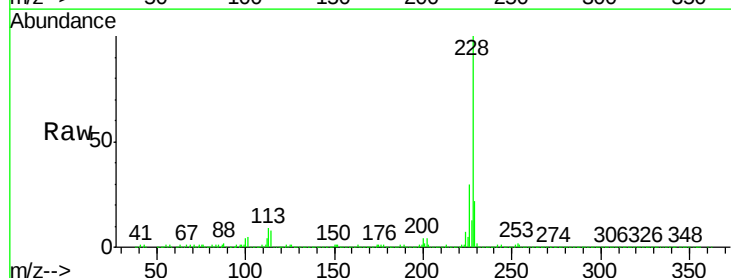
Tgt Ion:228 Resp: 1046747

Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

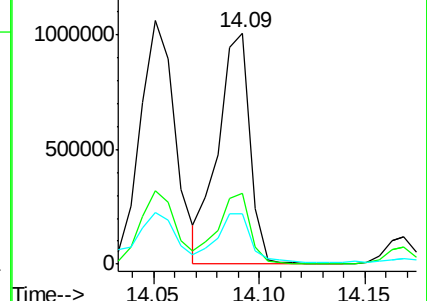
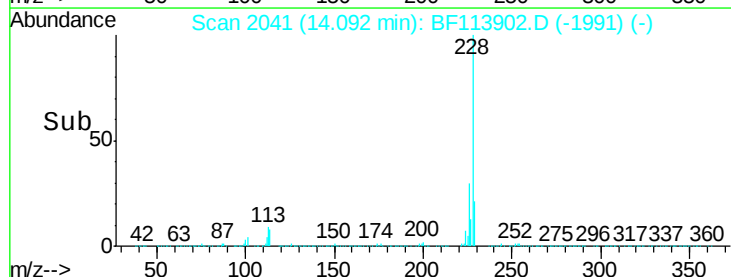
229 22.0 16.7 25.1

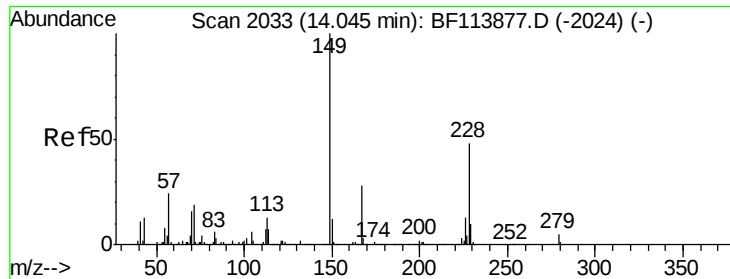


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 12.259 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

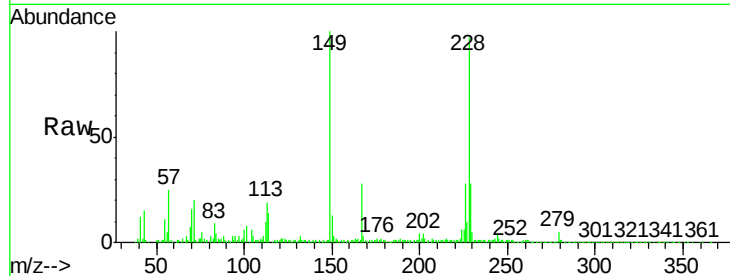
Tot Ion:149 Resp: 215775

Ion Ratio Lower Upper

149 100

167 28.5 22.9 34.3

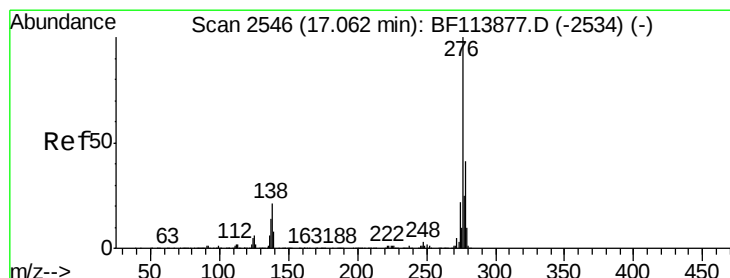
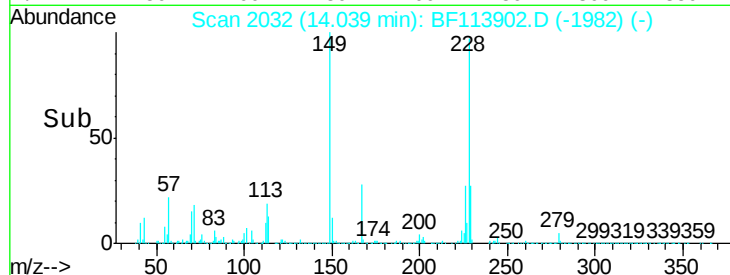
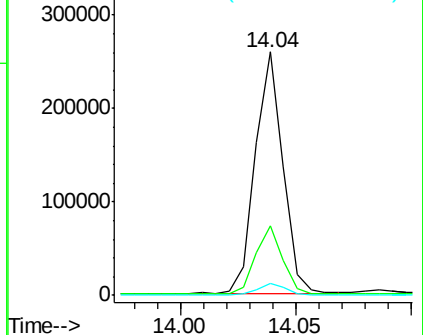
279 4.7 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 16.570 ng

RT: 17.03 min Scan# 2541

Delta R.T. -0.03 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

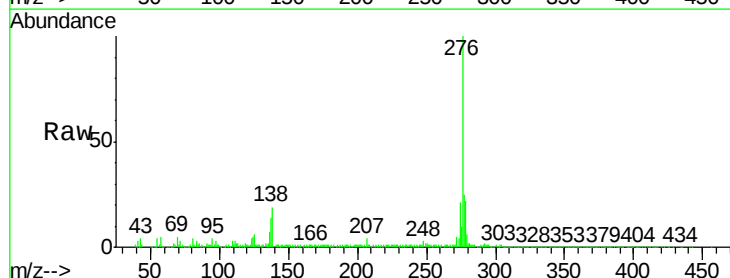
Tgt Ion:276 Resp: 452817

Ion Ratio Lower Upper

276 100

138 20.1 19.6 29.4

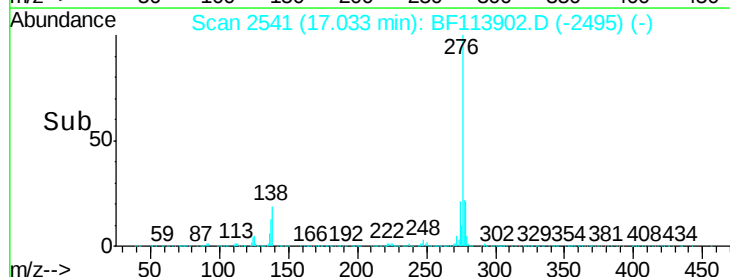
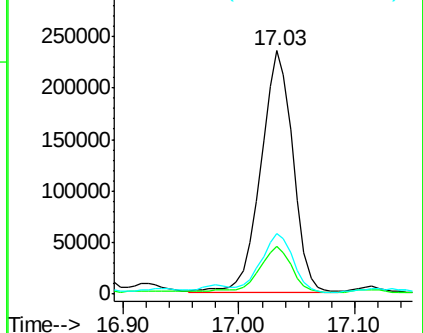
277 23.9 20.2 30.4

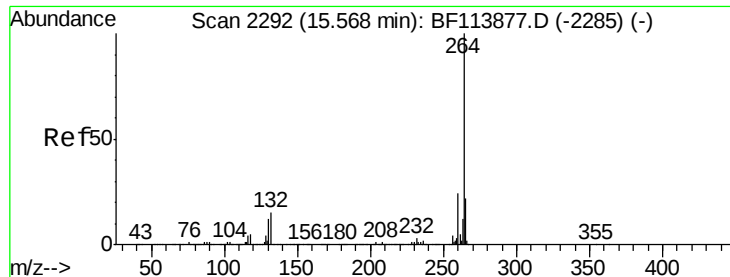


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

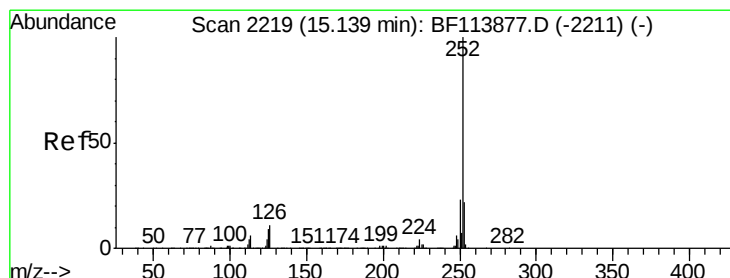
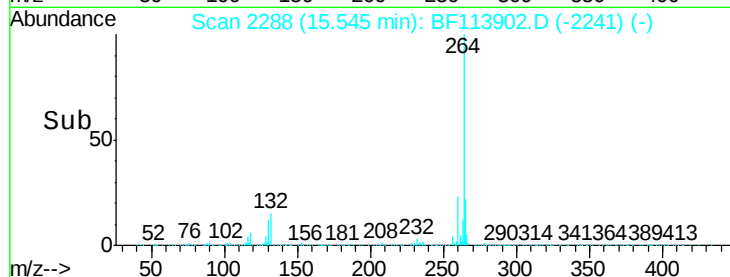
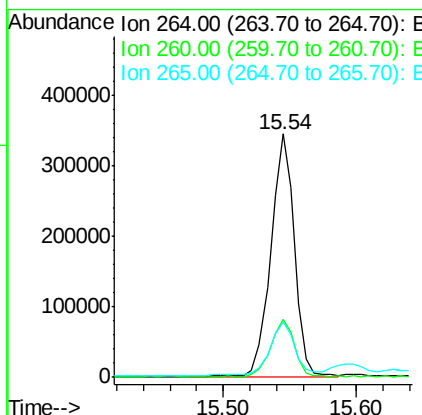
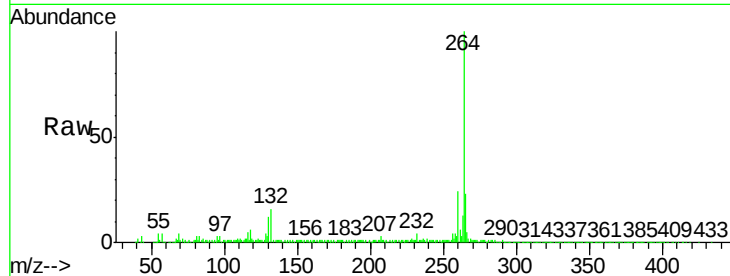




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.02 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

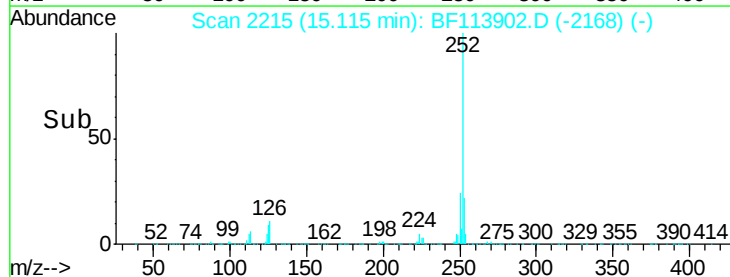
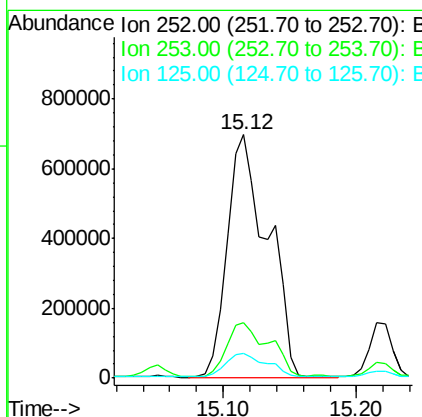
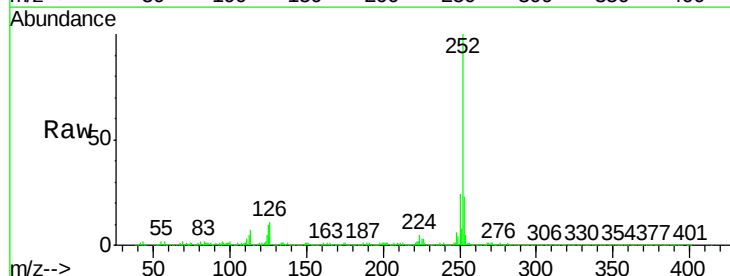
Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

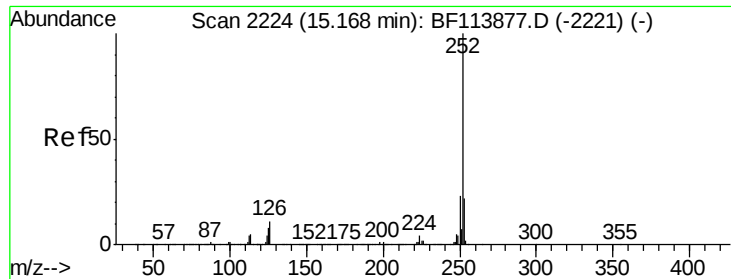
Tot Ion:264 Resp: 422455
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 22.5 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 54.851 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion:252 Resp: 1466073
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 10.1 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 63.767 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.05 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

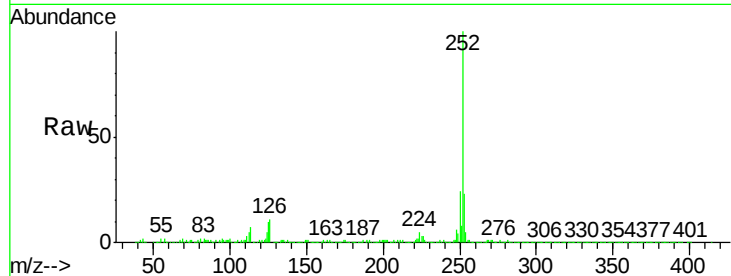
Tot Ion:252 Resp: 1466073

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

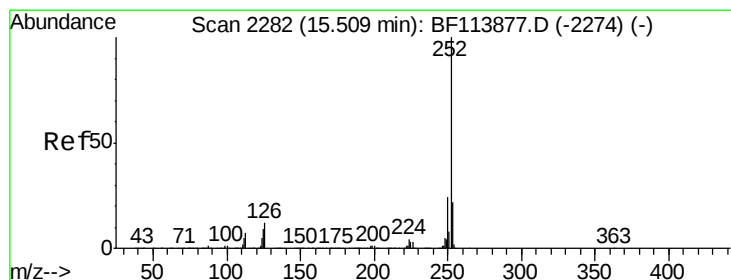
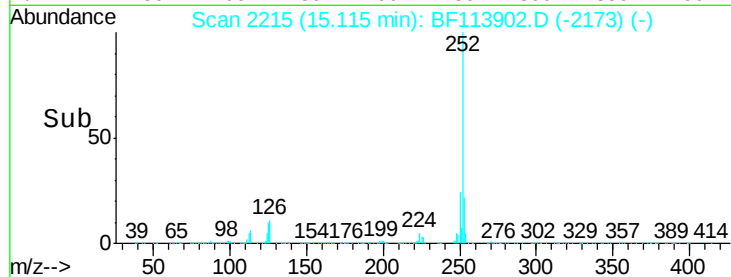
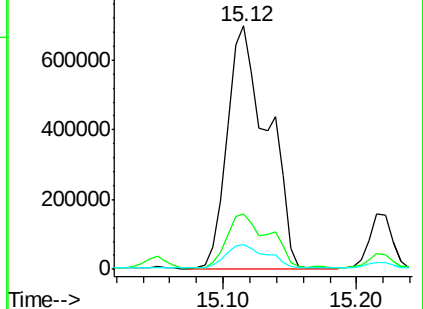
125 10.1 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 31.752 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

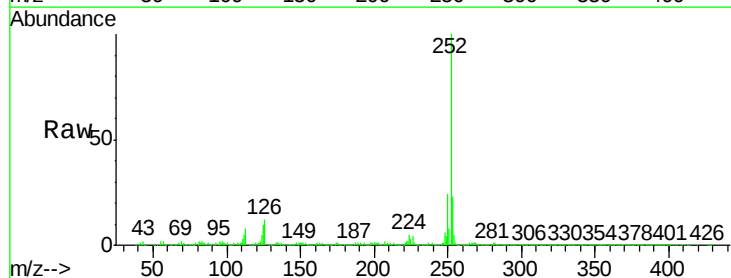
Tgt Ion:252 Resp: 734079

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

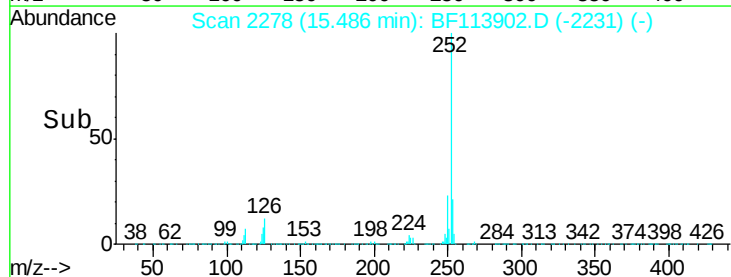
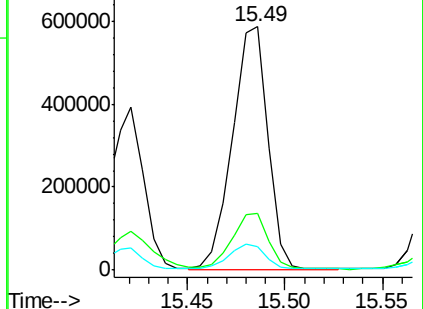
125 9.8 8.5 12.7

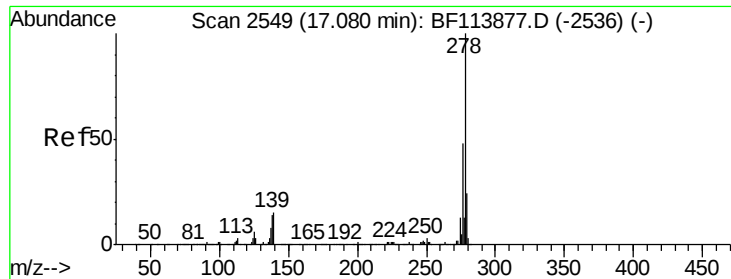


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 5.473 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.04 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-B

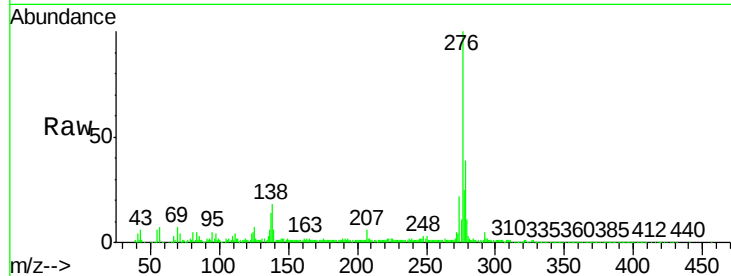
Tot Ion:278 Resp: 118775

Ion Ratio Lower Upper

278 100

139 15.3 11.6 17.4

279 28.3 19.0 28.6

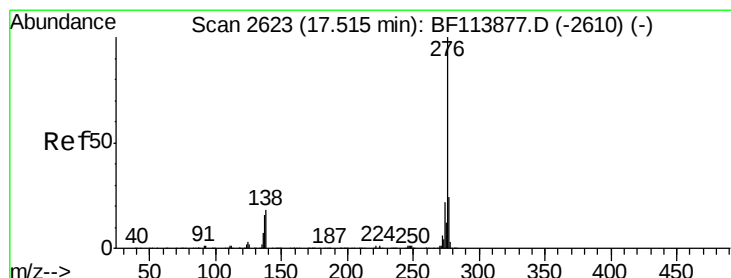
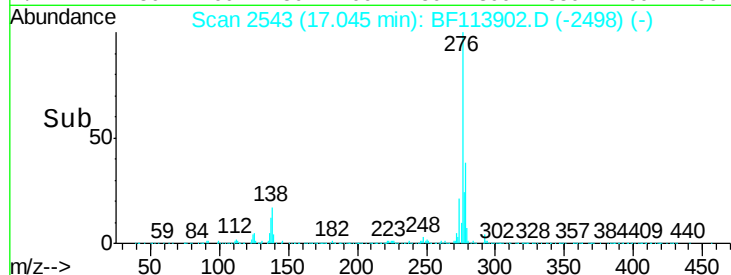
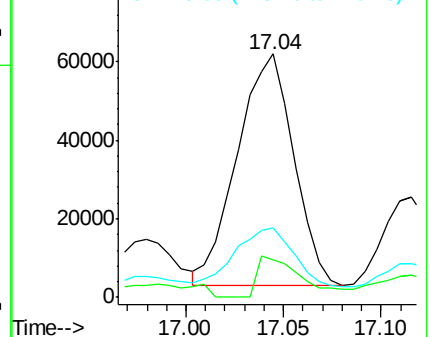


Abundance

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(g,h,i)perylene

Concen: 18.075 ng

RT: 17.49 min Scan# 2618

Delta R.T. -0.03 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

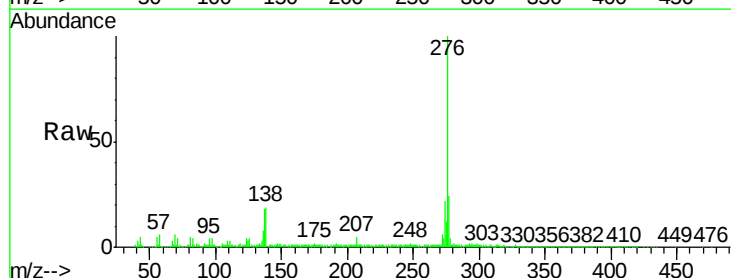
Tgt Ion:276 Resp: 395859

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.4

138 19.3 16.6 25.0



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

