

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113844.D
 Acq On : 19 Apr 2019 5:09
 Operator : JU/SJ
 Sample : K2435-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 05:36:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	142744	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	474793	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	221594	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	458289	20.00	ng	0.00
76) Chrysene-d12	14.05	240	433322	20.00	ng	0.00
87) Perylene-d12	15.52	264	363405	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	775830	90.37	ng	0.00
7) Phenol-d6	6.52	99	948913	88.64	ng	0.00
23) Nitrobenzene-d5	7.45	82	523041	67.08	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	257217	105.06	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	996740	68.60	ng	0.00
79) Terphenyl-d14	13.00	244	1365364	66.07	ng	0.00

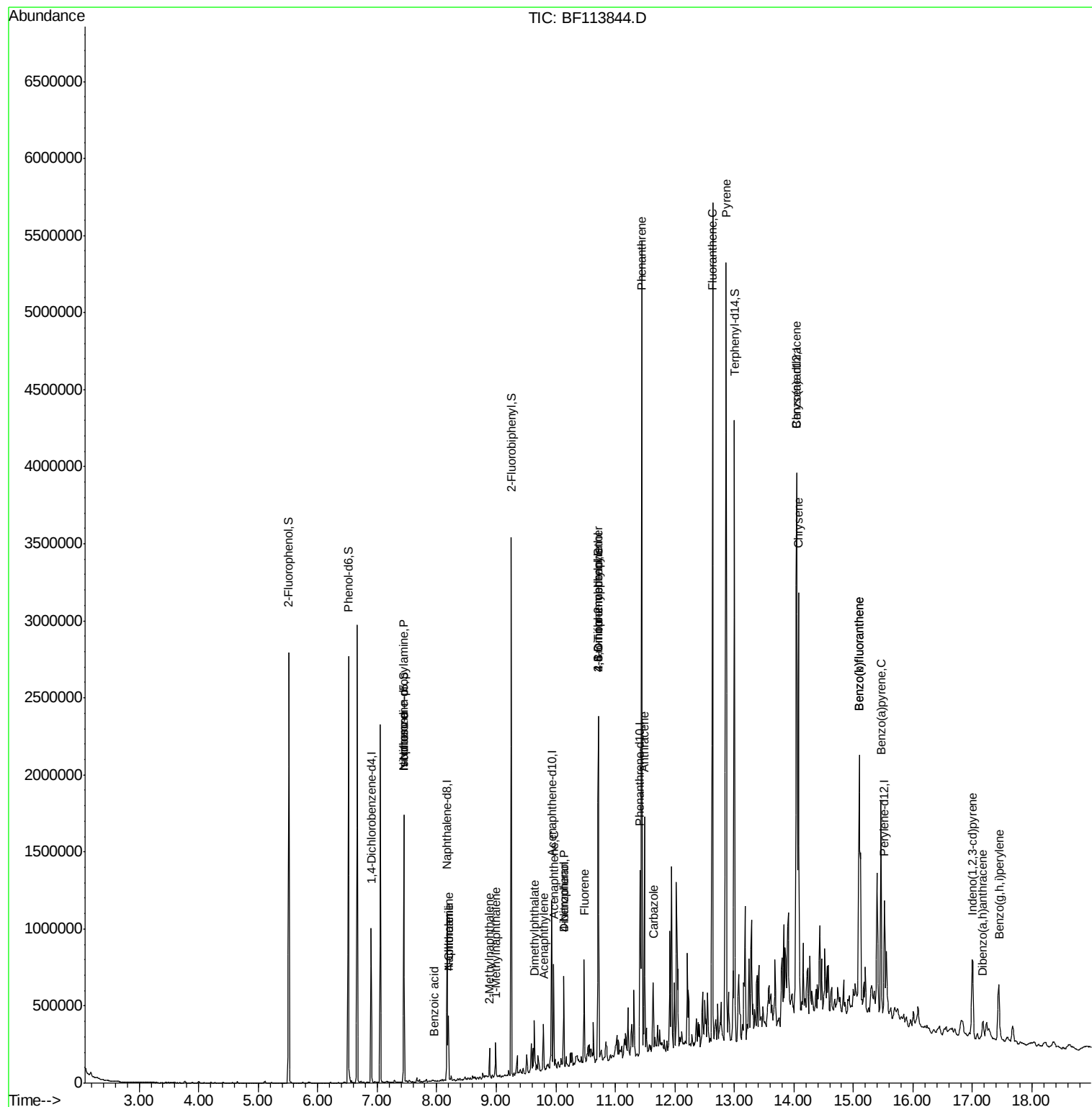
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	1537	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	70506	9.867 ng	#	77
25) Isophorone	7.45	82	523035	32.400 ng	#	65
31) Naphthalene	8.20	128	160270	7.136 ng		98
32) Benzoic acid	7.95	122	974	6.120 ng	#	44
33) 4-Chloroaniline	8.20	127	20216	2.122 ng	#	35
37) 2-Methylnaphthalene	8.89	142	50059	3.360 ng		99
38) 1-Methylnaphthalene	8.99	142	54594	3.776 ng		99
49) Acenaphthylene	9.79	152	110774	5.160 ng		97
50) Dimethylphthalate	9.64	163	115524	7.450 ng		99
52) Acenaphthene	9.96	154	128381	10.194 ng		97
55) Dibenzofuran	10.13	168	180679	9.578 ng		99
56) 4-Nitrophenol	10.13	139	62026	21.031 ng	#	15
58) Fluorene	10.47	166	171879	12.214 ng		99
65) 4,6-Dinitro-2-methylphenol	10.71	198	466	7.138 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	16047	2.982 ng	#	1
71) Phenanthrene	11.44	178	2012079	86.203 ng		99
72) Anthracene	11.49	178	573669	24.390 ng		98
73) Carbazole	11.64	167	191381	8.962 ng		99
75) Fluoranthene	12.63	202	2326229	94.039 ng		98
78) Pyrene	12.86	202	2203494	72.154 ng		99
81) Benzo(a)anthracene	14.04	228	1202972	47.492 ng		97
83) Chrysene	14.08	228	1038231	41.296 ng		97
86) Indeno(1,2,3-cd)pyrene	17.00	276	350208	17.063 ng		95
88) Benzo(b)fluoranthene	15.10	252	1306568	57.673 ng		97
89) Benzo(k)fluoranthene	15.10	252	1306568	63.321 ng		99
90) Benzo(a)pyrene	15.46	252	696048	34.747 ng		97
91) Dibenzo(a,h)anthracene	17.18	278	85248	4.783 ng		94
92) Benzo(g,h,i)perylene	17.44	276	308590	17.034 ng		100

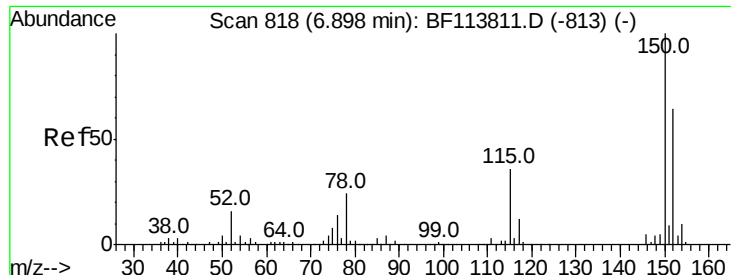
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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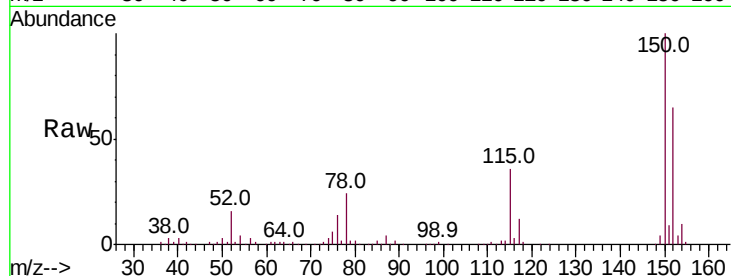


#1

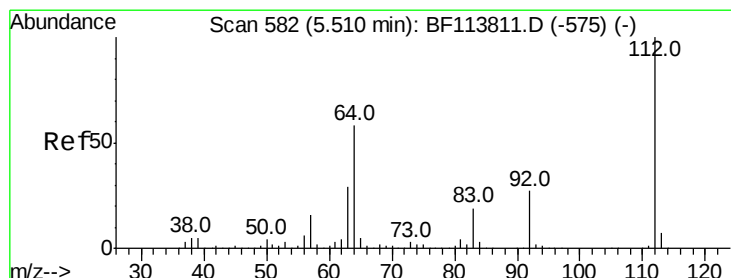
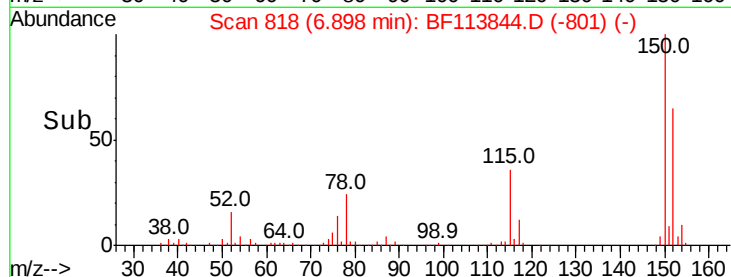
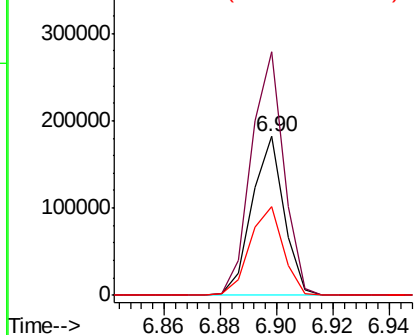
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113844.D
Acq: 19 Apr 2019 5:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142744
Ion Ratio Lower Upper
152 100
150 153.5 125.9 188.9
115 55.7 45.9 68.9



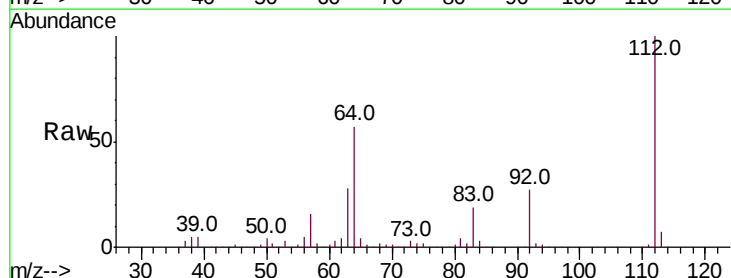
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



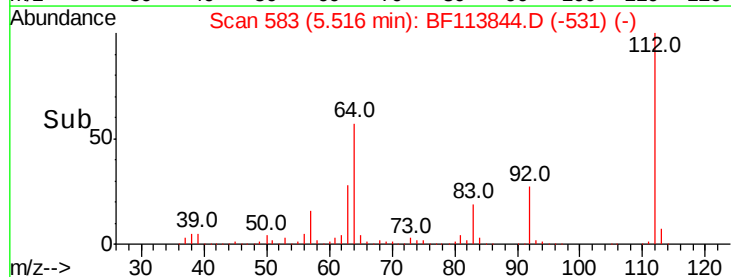
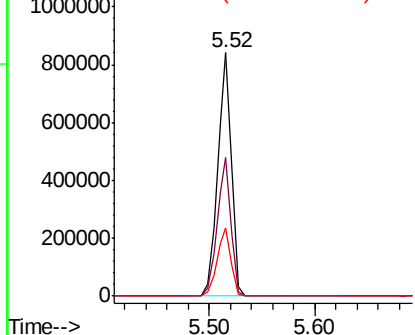
#5

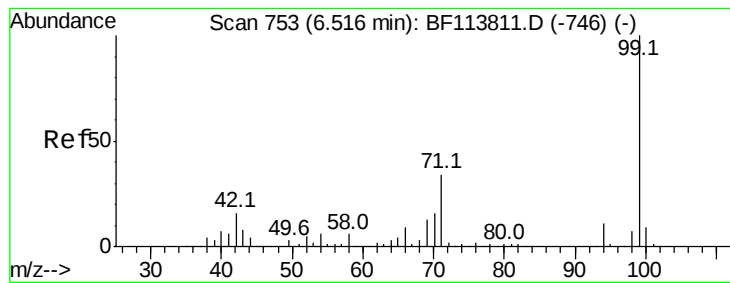
2-Fluorophenol
Concen: 90.374 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113844.D
Acq: 19 Apr 2019 5:09

Tgt Ion:112 Resp: 775830
Ion Ratio Lower Upper
112 100
64 57.2 46.6 69.8
63 28.2 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: 88.636 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampled :

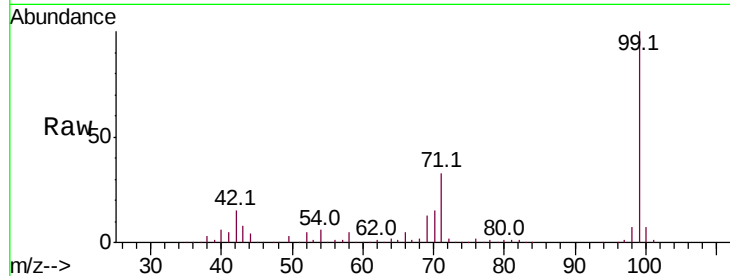
Tot Ion: 99 Resp: 948913

Ion Ratio Lower Upper

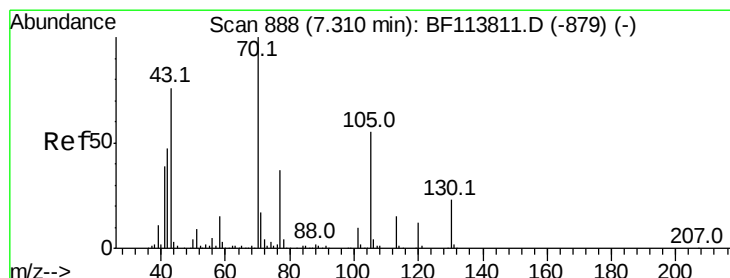
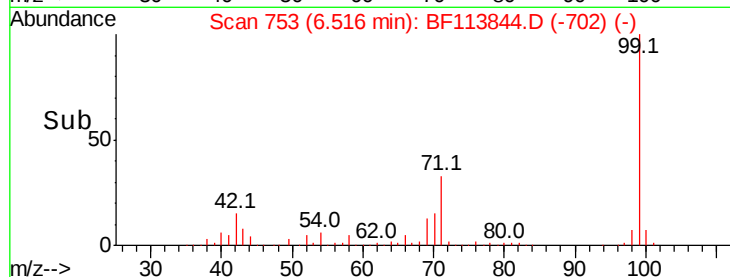
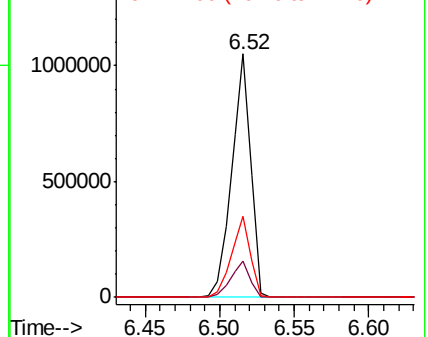
99 100

42 15.0 12.5 18.7

71 33.4 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: 9.867 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Tgt Ion: 70 Resp: 70506

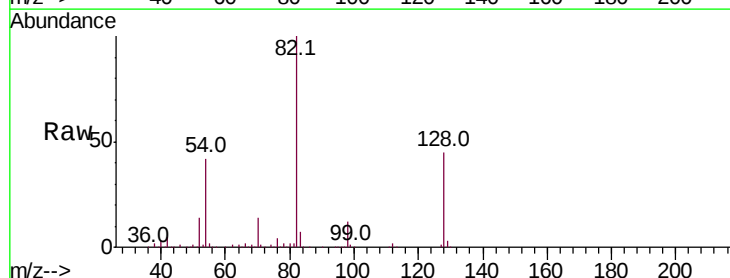
Ion Ratio Lower Upper

70 100

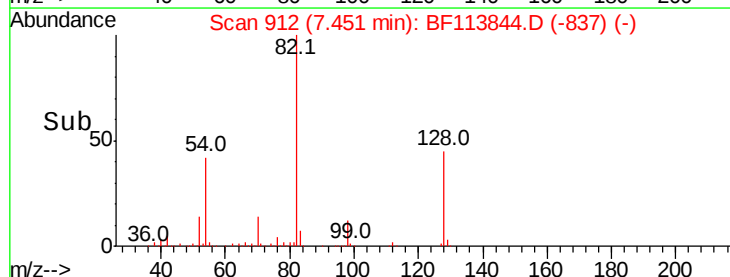
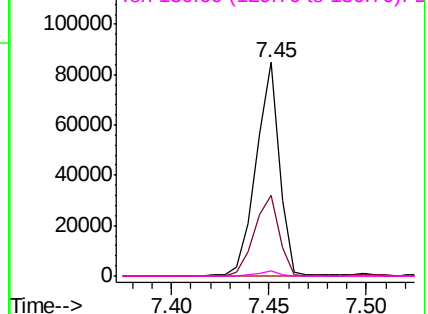
42 38.0 37.3 55.9

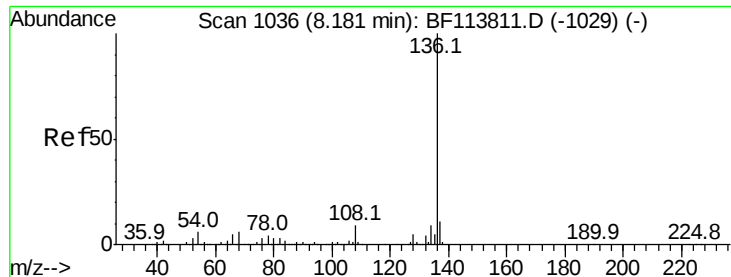
101 0.0 7.8 11.8#

130 2.3 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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 474793

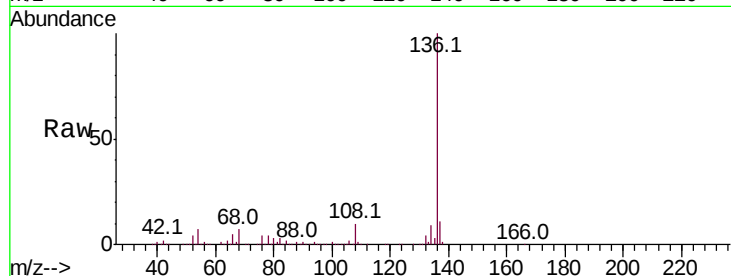
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 6.9 5.0 7.6

68 7.0 4.9 7.3

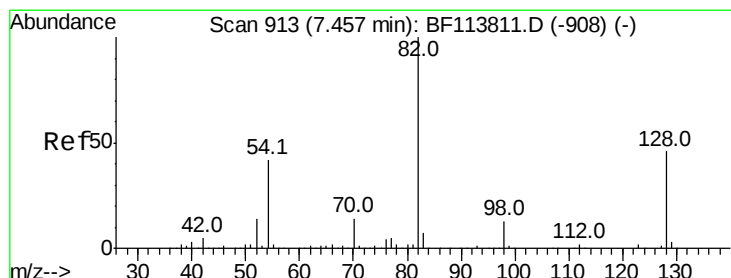
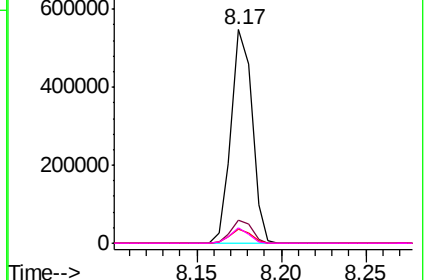
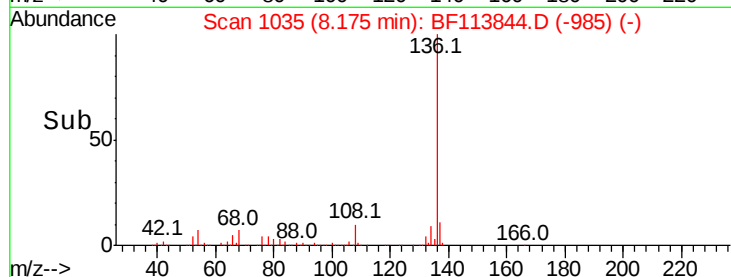


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.085 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

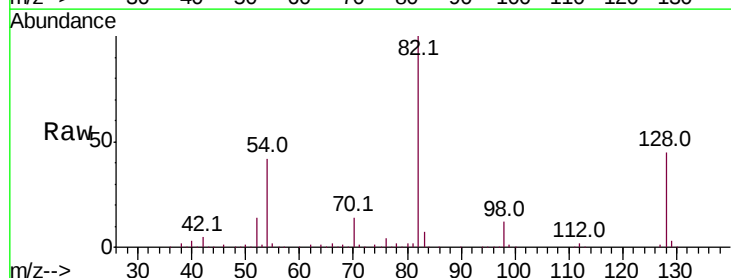
Tgt Ion: 82 Resp: 523041

Ion Ratio Lower Upper

82 100

128 45.0 36.8 55.2

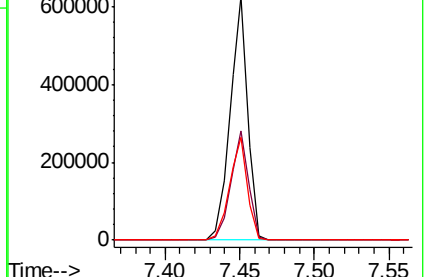
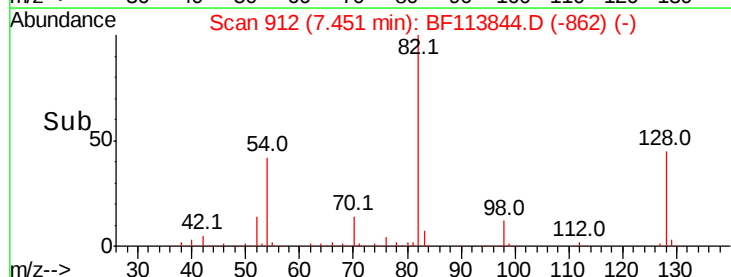
54 42.2 33.8 50.6

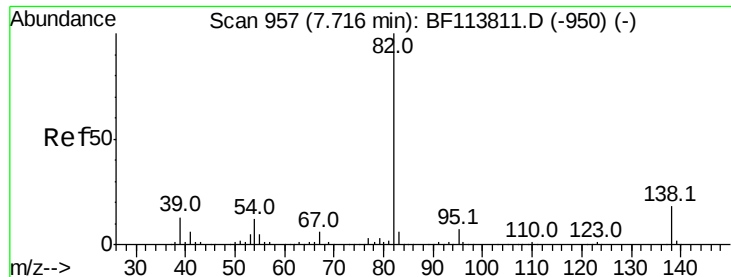


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.400 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampleId :

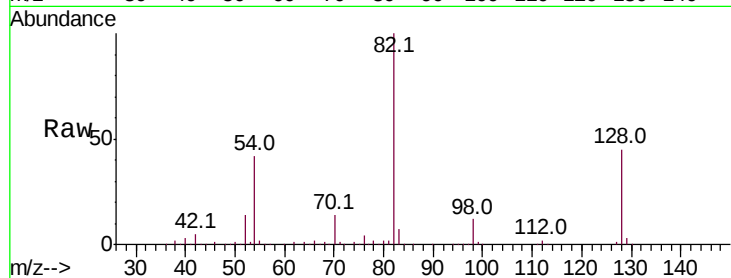
Tot Ion: 82 Resp: 523035

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

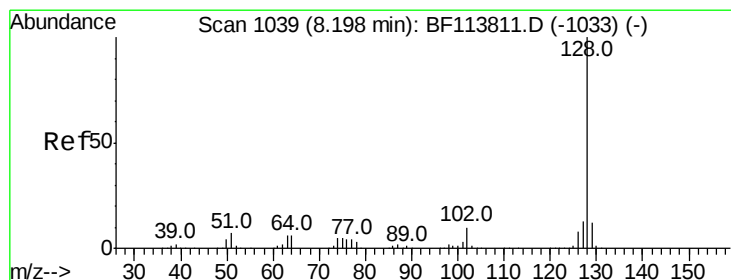
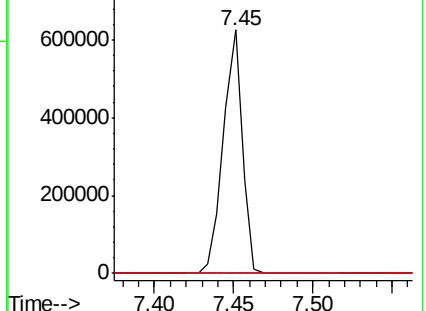
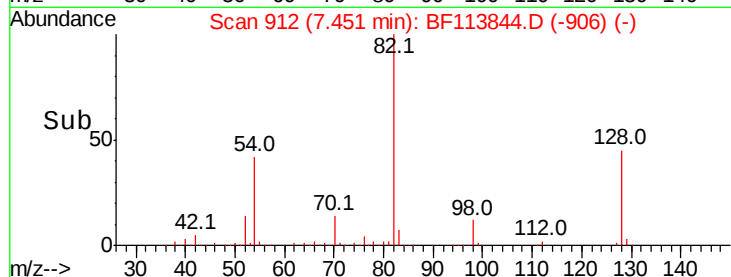
138 0.0 14.6 22.0#



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: 7.136 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

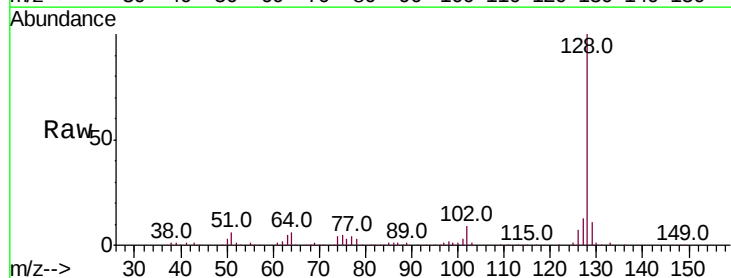
Tgt Ion:128 Resp: 160270

Ion Ratio Lower Upper

128 100

129 10.7 9.4 14.0

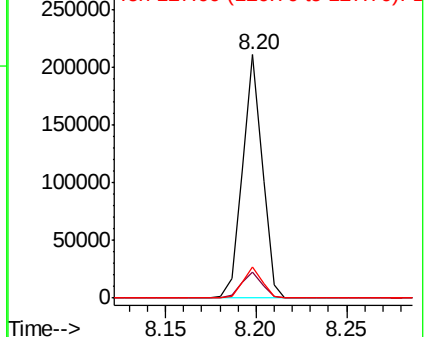
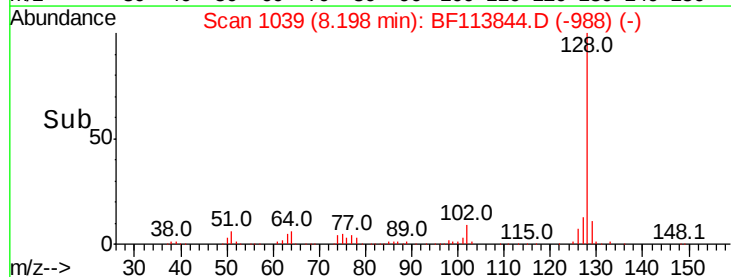
127 12.8 10.8 16.2

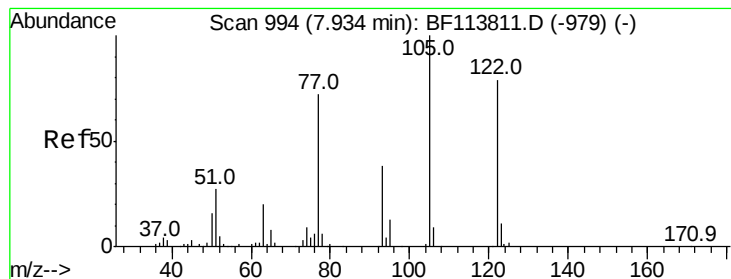


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 6.120 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.02 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampled :

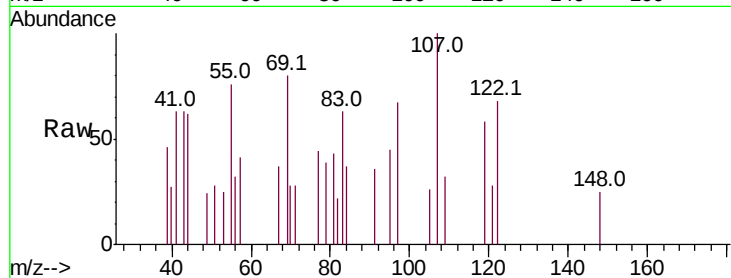
Tot Ion:122 Resp: 974

Ion Ratio Lower Upper

122 100

105 38.4 104.3 144.3#

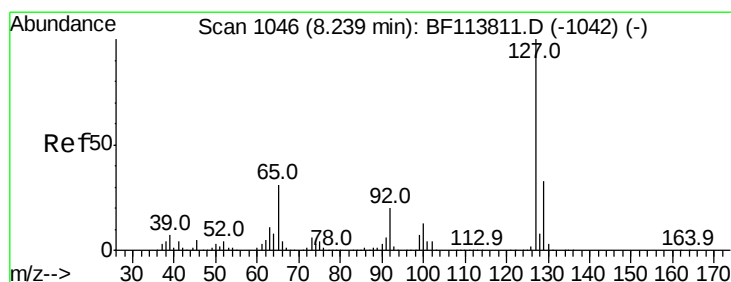
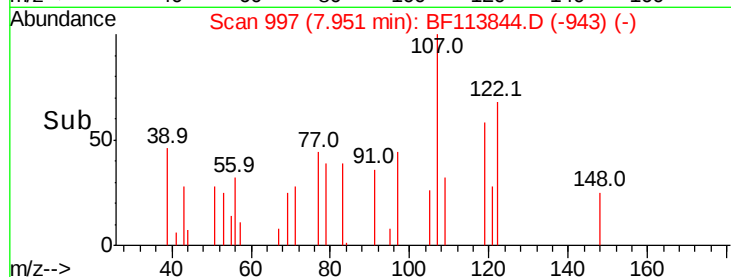
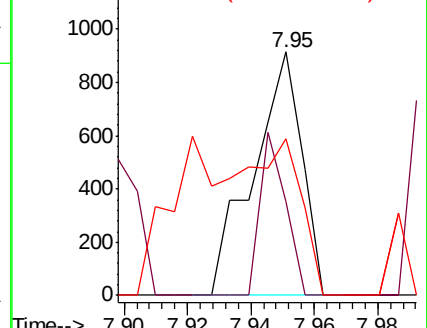
77 64.3 70.4 110.4#



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



#33

4-Chloroaniline

Concen: 2.122 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.04 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Tgt Ion:127 Resp: 20216

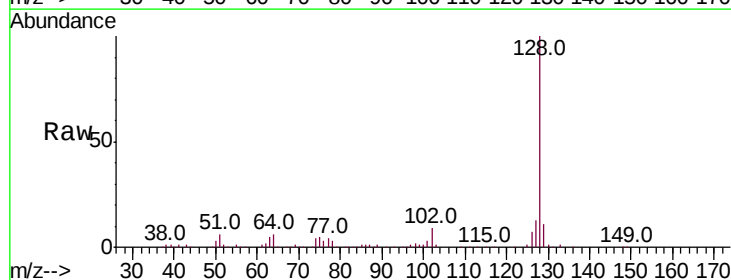
Ion Ratio Lower Upper

127 100

129 83.8 26.4 39.6#

65 2.9 24.9 37.3#

92 0.0 15.9 23.9#

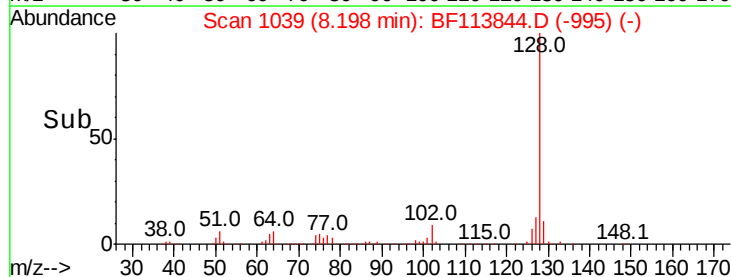
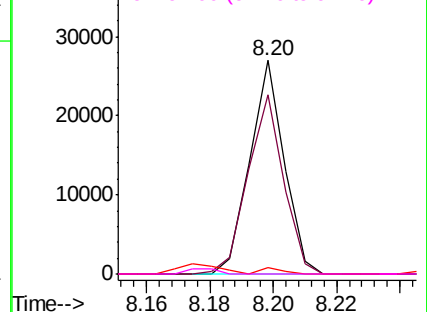


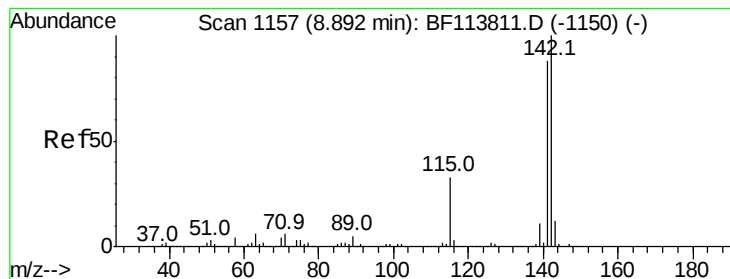
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

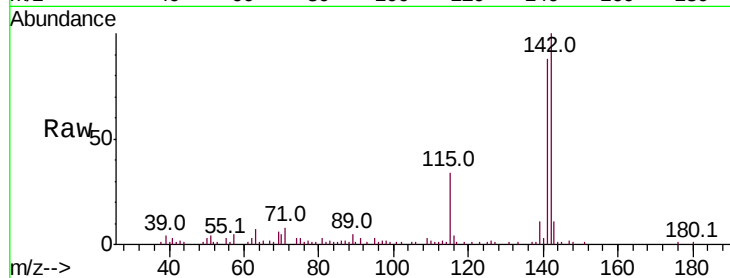




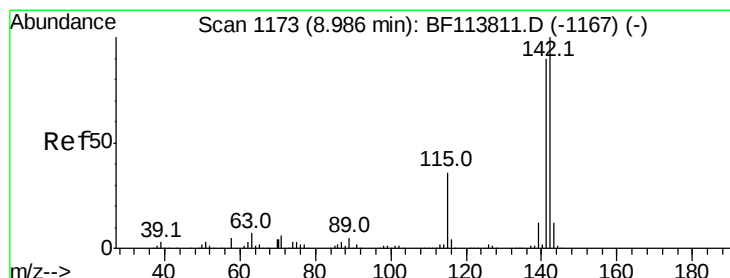
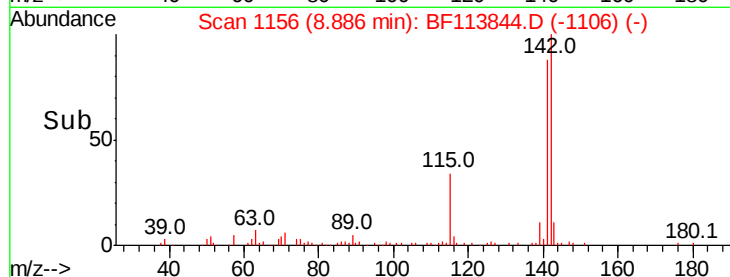
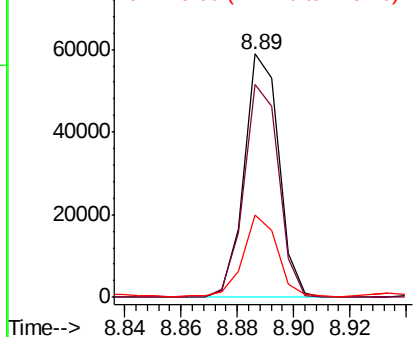
#37
 2-Methylnaphthalene
 Concen: 3.360 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF113844.D
 Acq: 19 Apr 2019 5:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.4	105.6
115	33.8	26.3	39.5

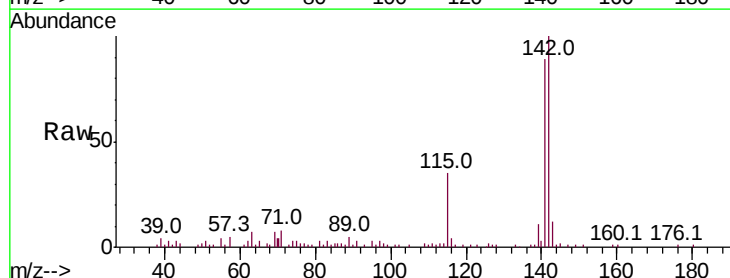


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

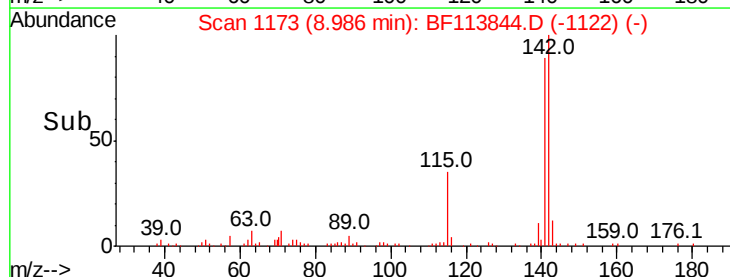
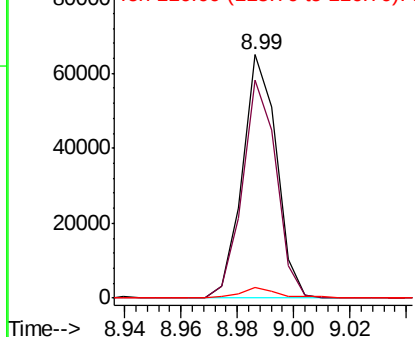


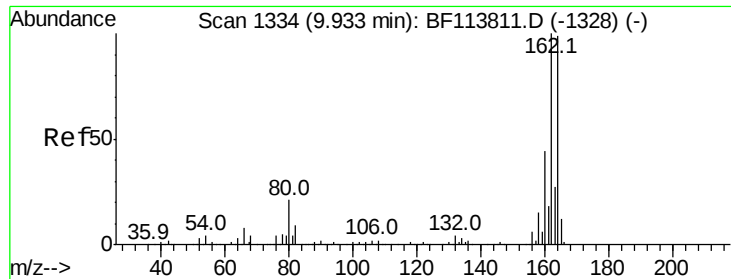
#38
 1-Methylnaphthalene
 Concen: 3.776 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: BF113844.D
 Acq: 19 Apr 2019 5:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.3	108.5
116	4.2	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

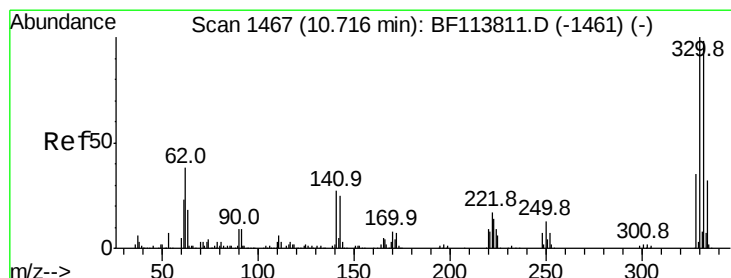
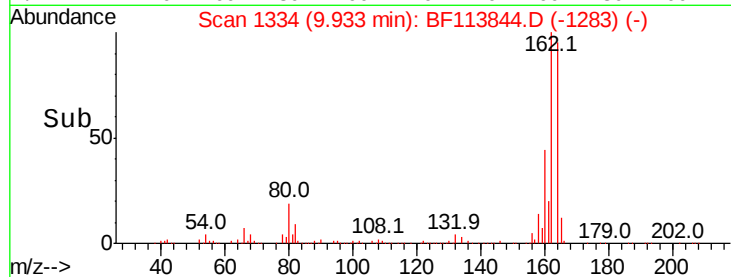
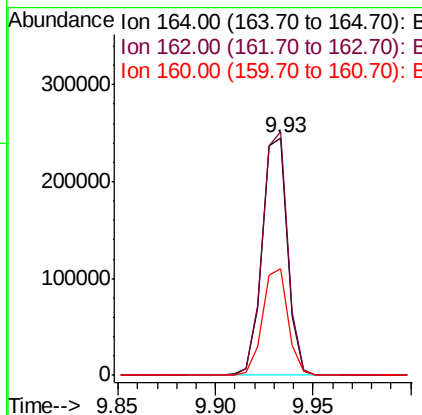
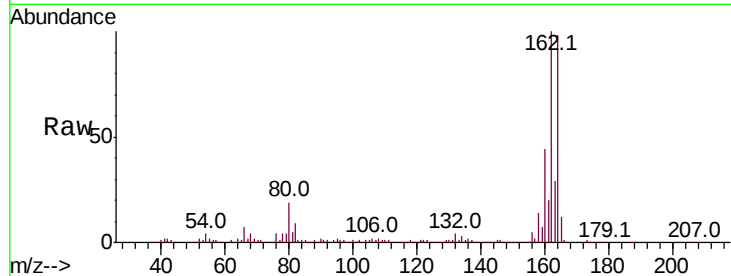




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF113844.D
 Acq: 19 Apr 2019 5:09

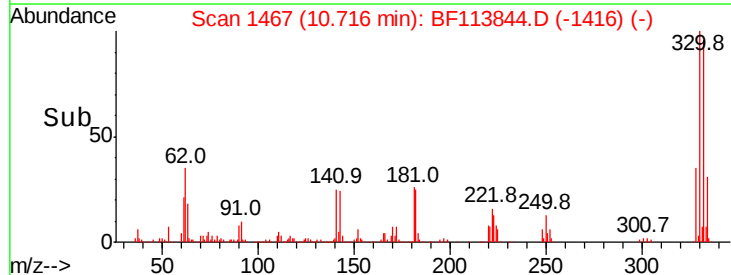
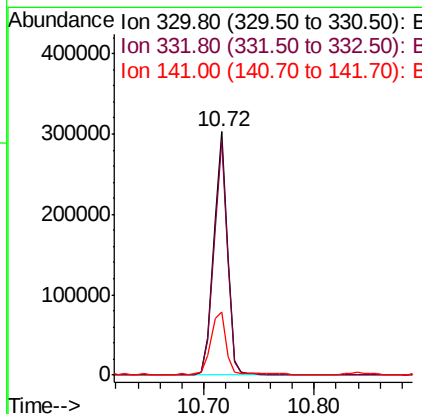
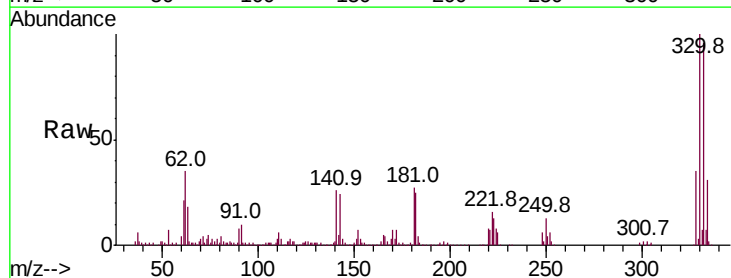
Instrument :
 BNA_F
 ClientSampleId :

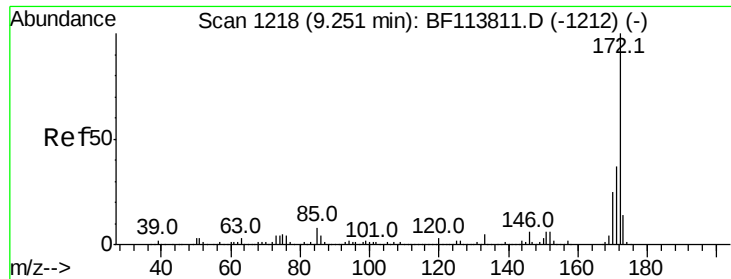
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.1	121.7
160	44.6	35.8	53.6



#42
 2,4,6-Tribromophenol
 Concen: 105.063 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF113844.D
 Acq: 19 Apr 2019 5:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.5	116.3
141	27.5	22.2	33.2

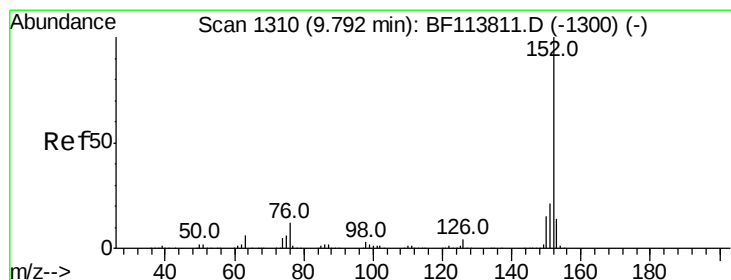
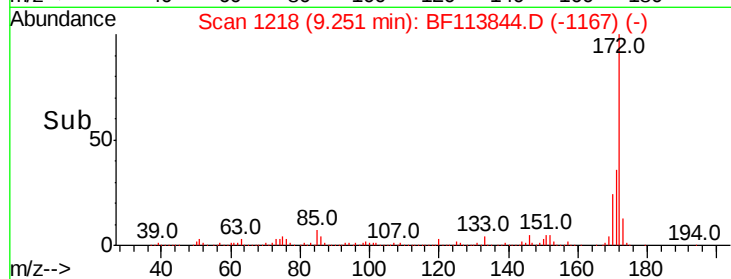
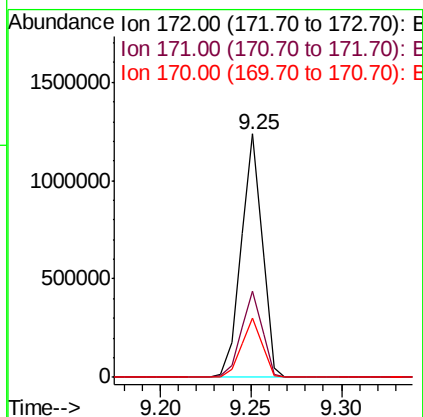
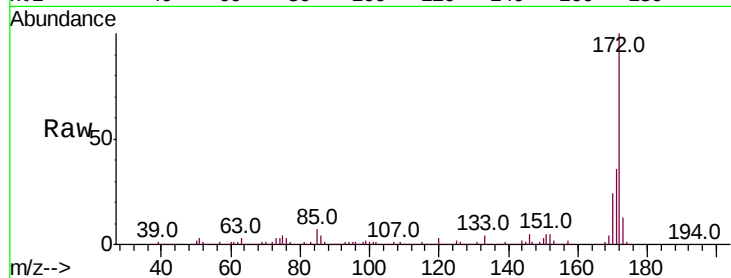




#45
2-Fluorobiphenyl
Concen: 68.597 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113844.D
Acq: 19 Apr 2019 5:09

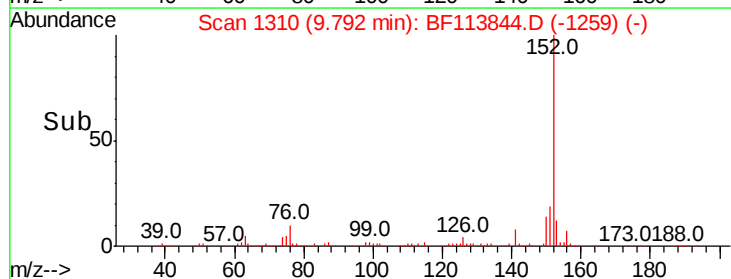
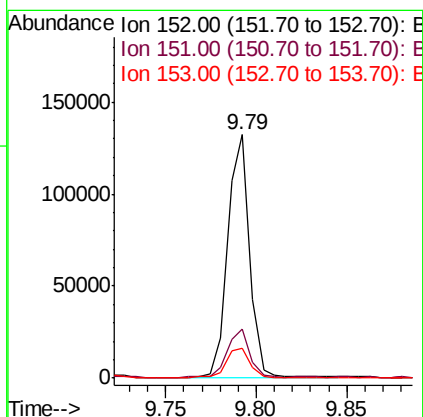
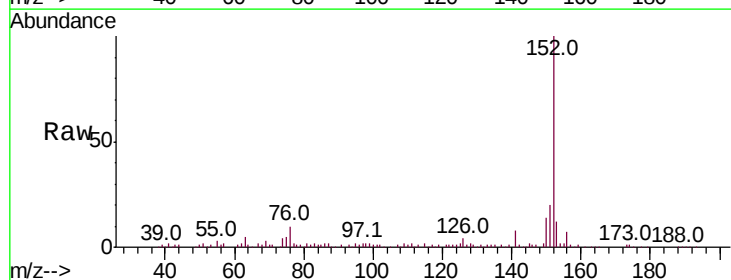
Instrument :
BNA_F
ClientSampleId :

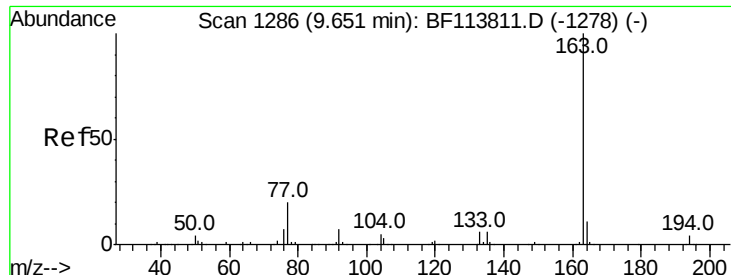
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.1	19.9	29.9



#49
Acenaphthylene
Concen: 5.160 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF113844.D
Acq: 19 Apr 2019 5:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.0	25.4
153	12.3	11.0	16.6





#50

Dimethylphthalate

Concen: 7.450 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampleId :

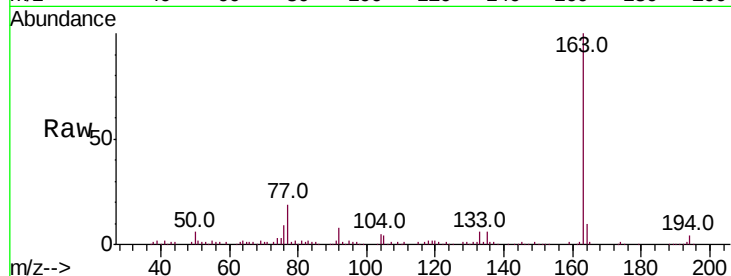
Tot Ion:163 Resp: 115524

Ion Ratio Lower Upper

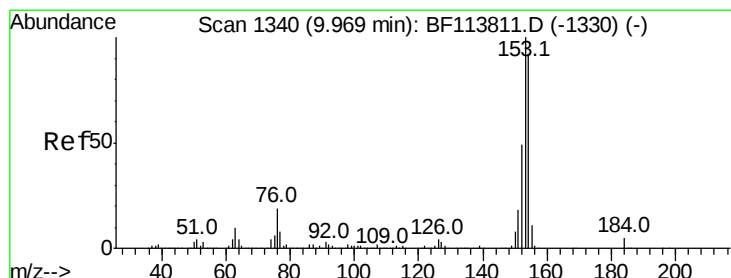
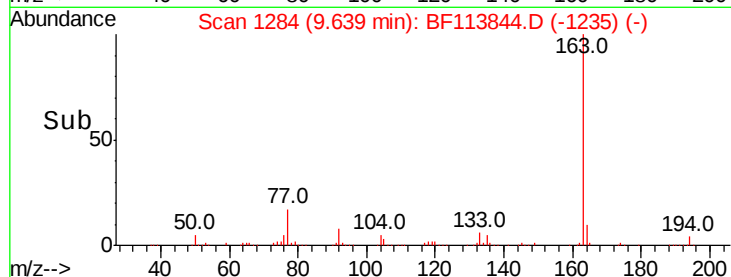
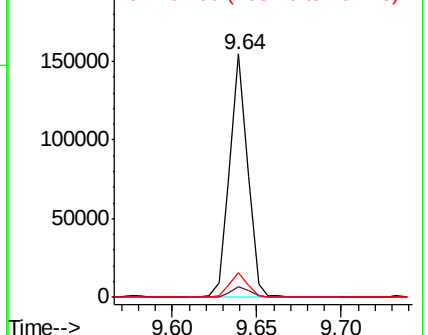
163 100

194 4.5 3.4 5.2

164 10.0 8.5 12.7



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



#52

Acenaphthene

Concen: 10.194 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

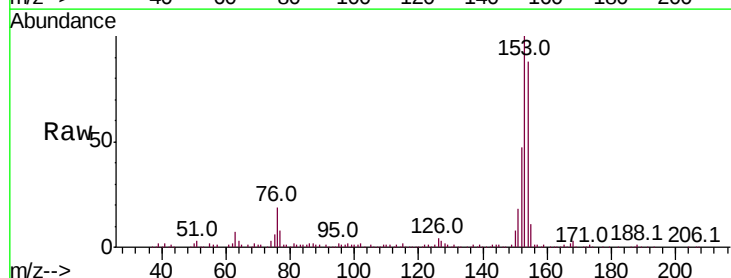
Tgt Ion:154 Resp: 128381

Ion Ratio Lower Upper

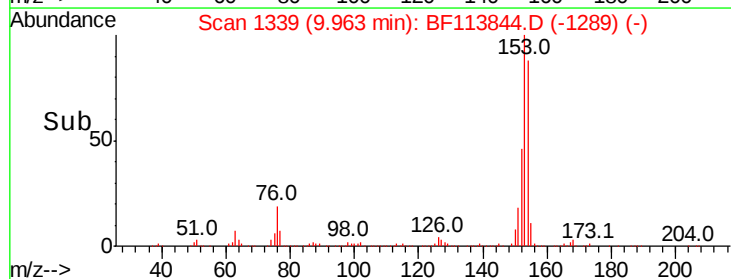
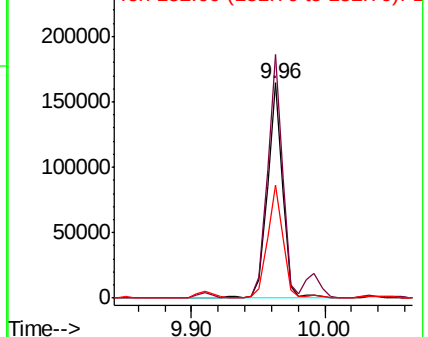
154 100

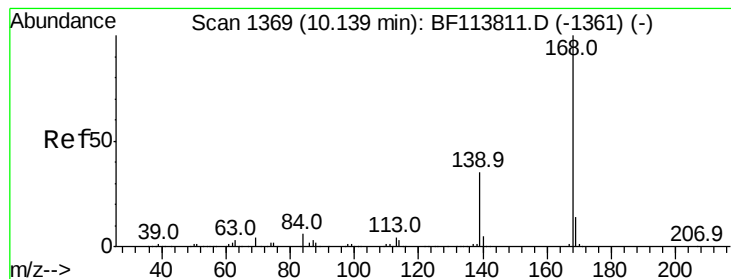
153 113.2 87.2 130.8

152 52.8 42.3 63.5



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





#55

Dibenzofuran

Concen: 9.578 ng

RT: 10.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampleId :

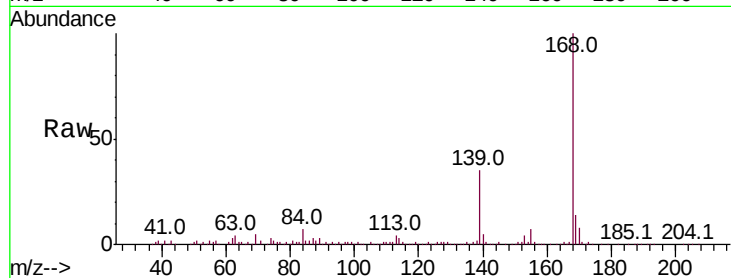
Tot Ion:168 Resp: 180679

Ion Ratio Lower Upper

168 100

139 34.5 27.8 41.6

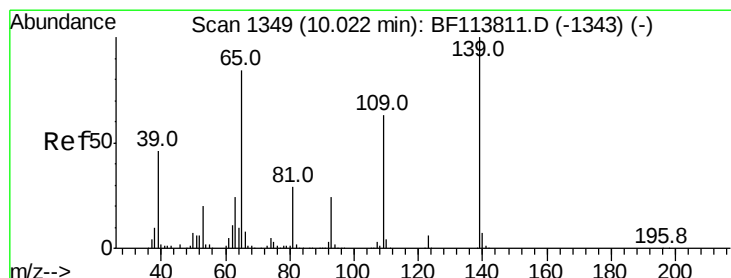
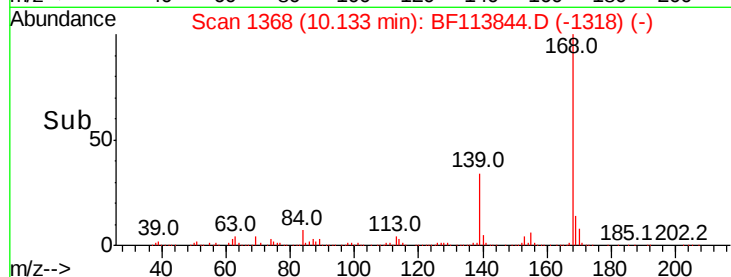
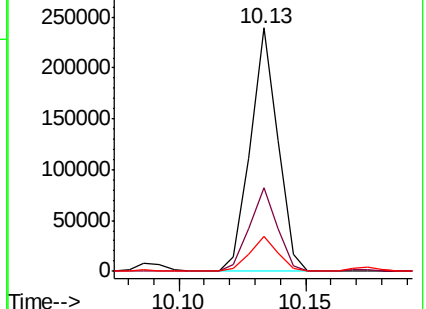
169 14.4 11.0 16.6



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: 21.031 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.11 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

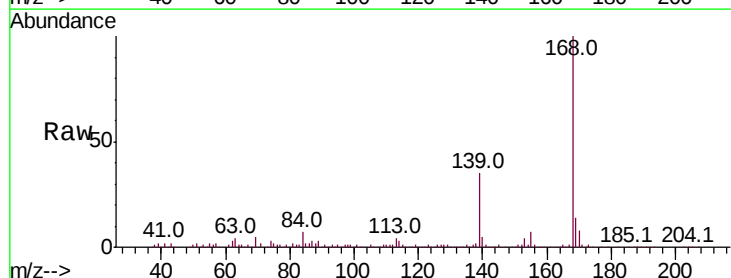
Tgt Ion:139 Resp: 62026

Ion Ratio Lower Upper

139 100

109 3.5 42.9 82.9#

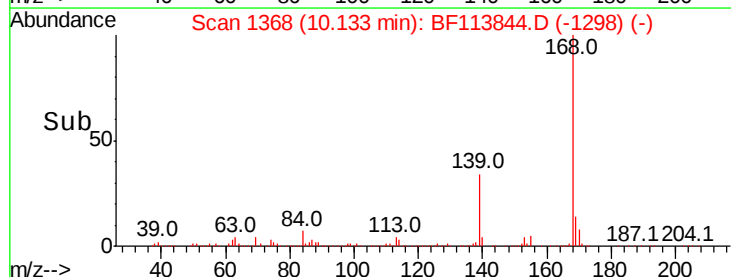
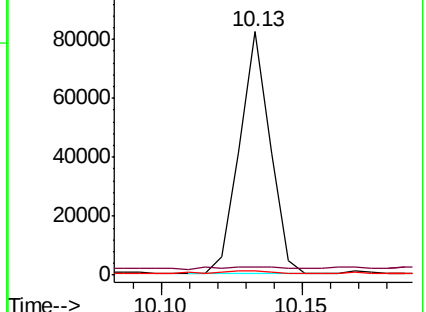
65 1.9 64.4 104.4#

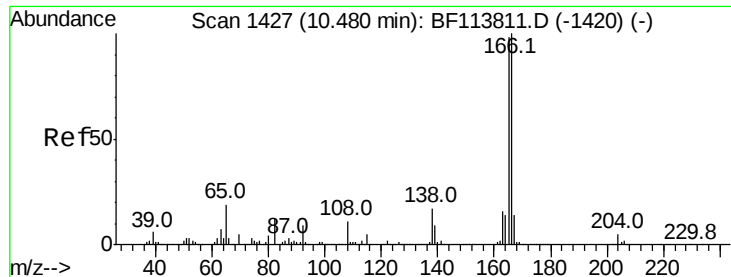


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#58

Fluorene

Concen: 12.214 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampled :

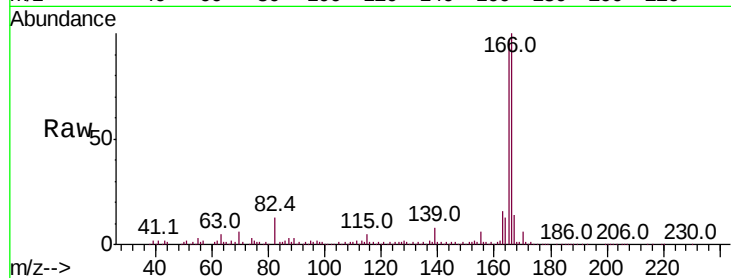
Tot Ion:166 Resp: 171879

Ion Ratio Lower Upper

166 100

165 97.5 78.4 117.6

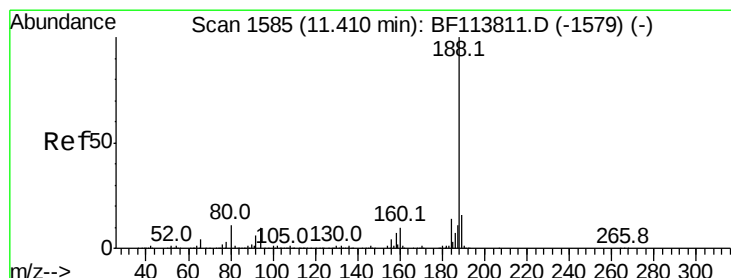
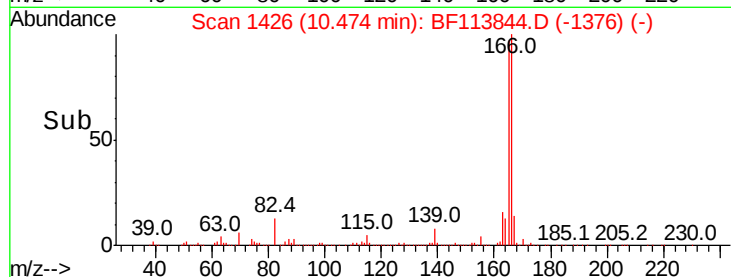
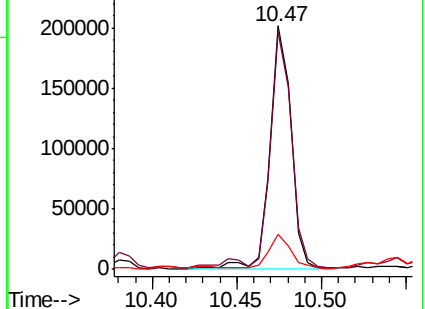
167 14.3 10.9 16.3



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# 1586

Delta R.T. 0.01 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

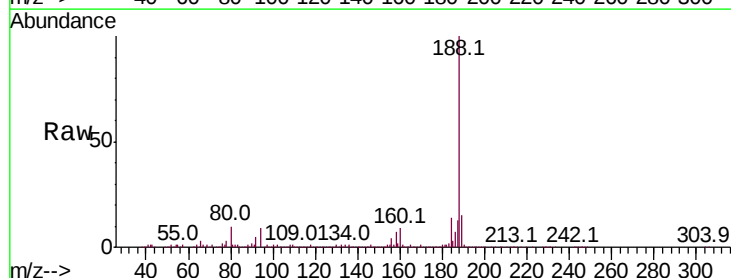
Tgt Ion:188 Resp: 458289

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.4

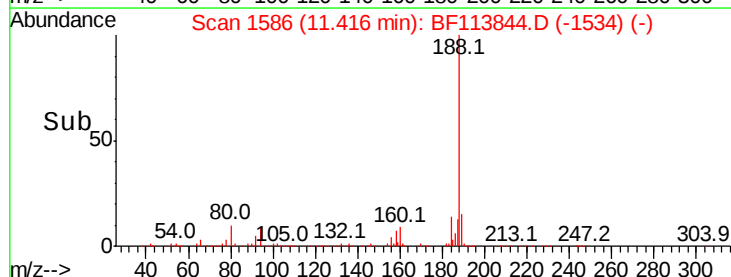
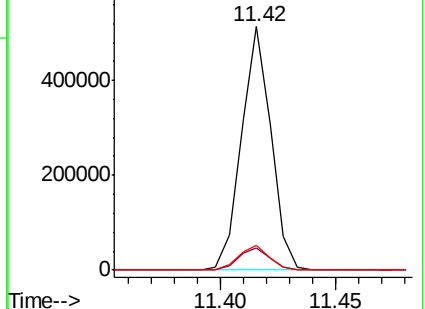
80 10.2 9.0 13.6

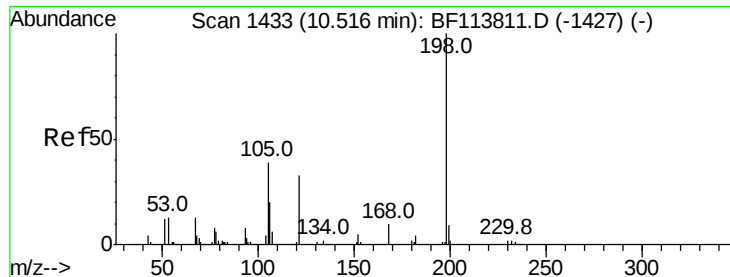


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.138 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampled :

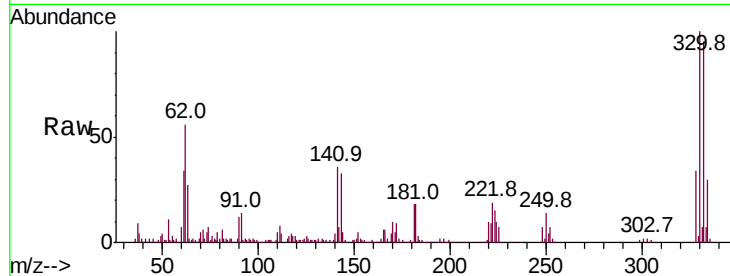
Tot Ion:198 Resp: 466

Ion Ratio Lower Upper

198 100

51 411.1 11.1 51.1#

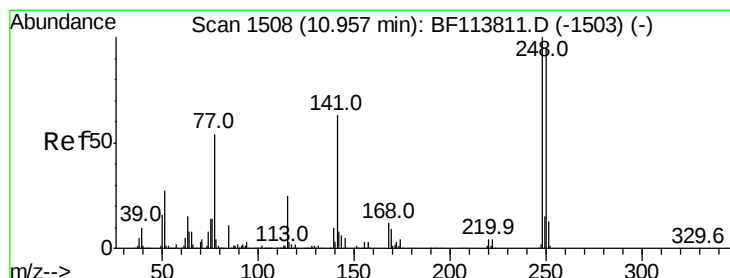
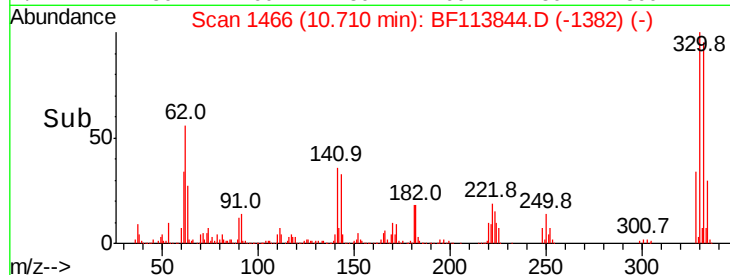
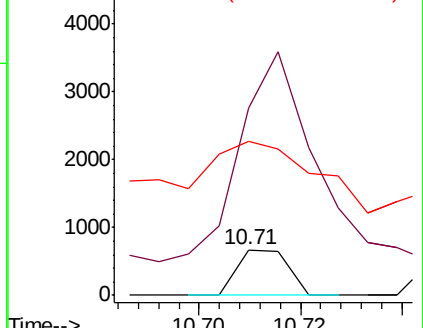
105 337.7 20.7 60.7#



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



#67

4-Bromophenyl-phenylether

Concen: 2.982 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.24 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

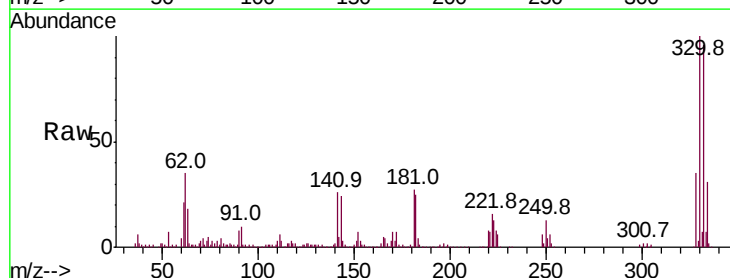
Tgt Ion:248 Resp: 16047

Ion Ratio Lower Upper

248 100

250 200.6 75.8 113.6#

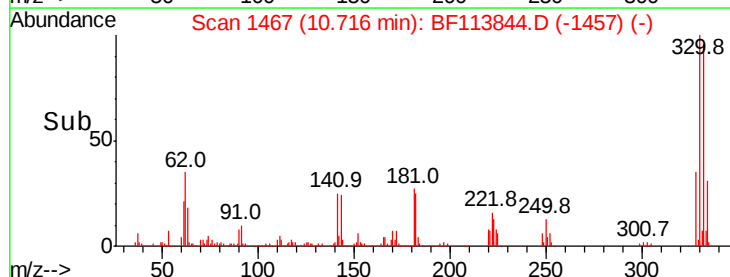
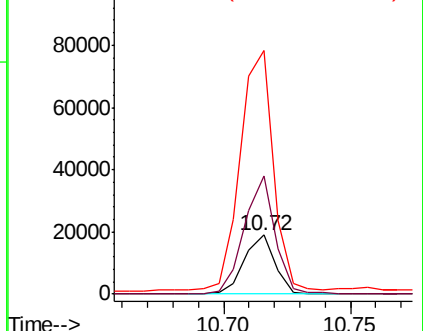
141 411.5 50.2 75.4#

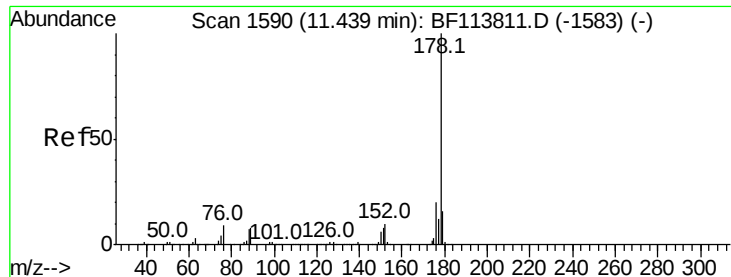


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 86.203 ng

RT: 11.44 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampleId :

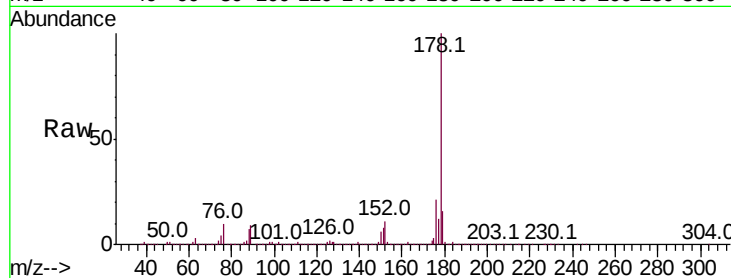
Tot Ion:178 Resp: 2012079

Ion Ratio Lower Upper

178 100

176 20.7 16.1 24.1

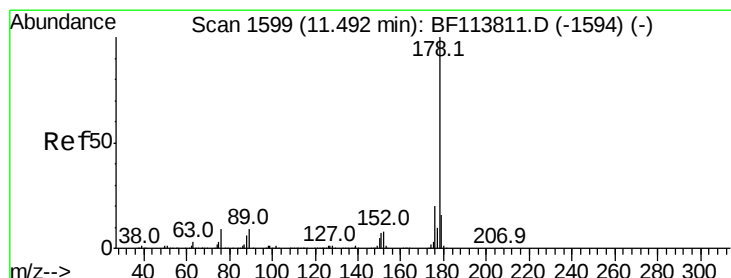
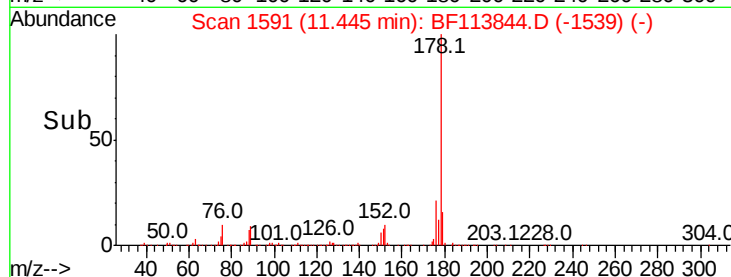
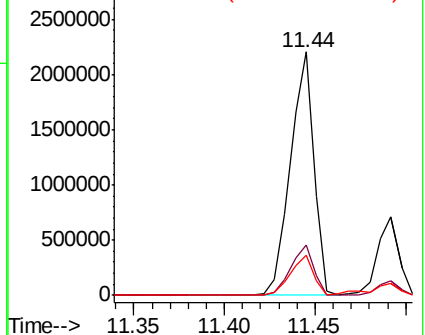
179 16.3 12.8 19.2



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



#72

Anthracene

Concen: 24.390 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

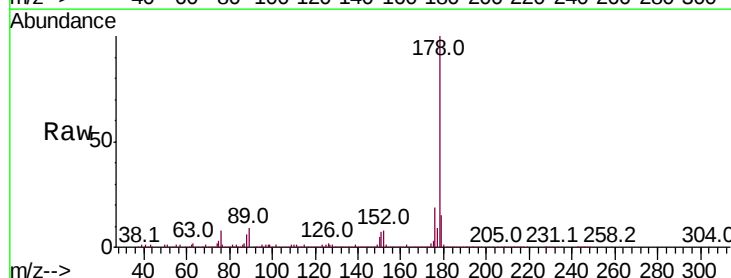
Tgt Ion:178 Resp: 573669

Ion Ratio Lower Upper

178 100

176 18.7 15.7 23.5

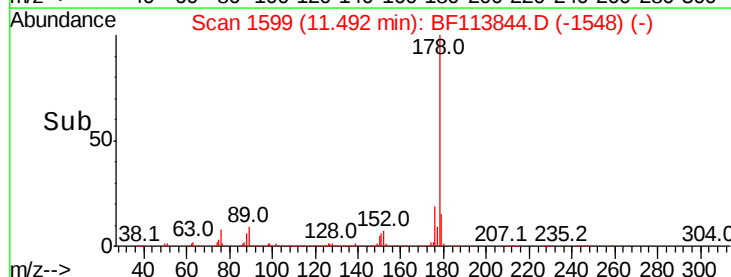
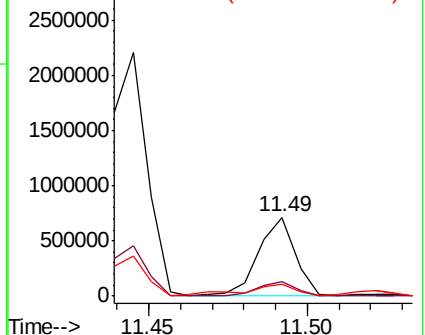
179 15.4 13.0 19.4

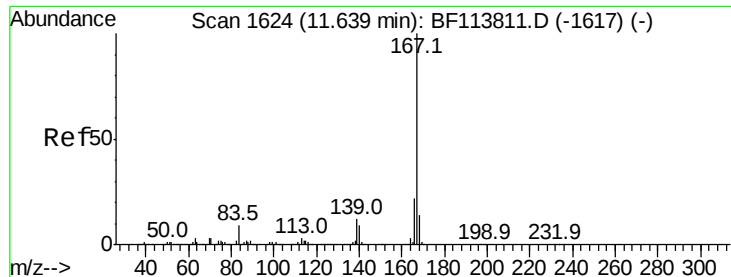


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 8.962 ng

RT: 11.64 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampleId :

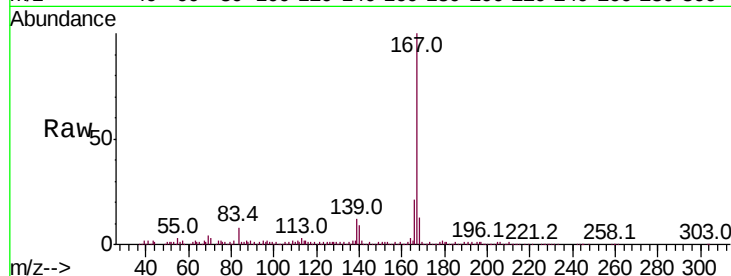
Tot Ion:167 Resp: 191381

Ion Ratio Lower Upper

167 100

166 21.5 17.7 26.5

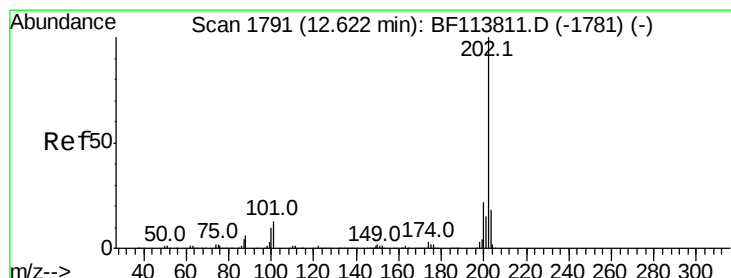
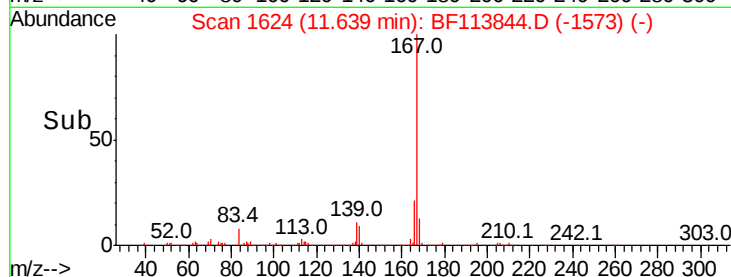
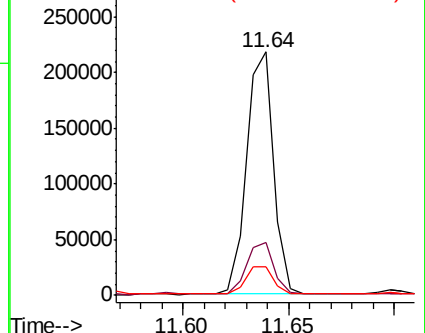
139 11.8 10.0 15.0



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: 94.039 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

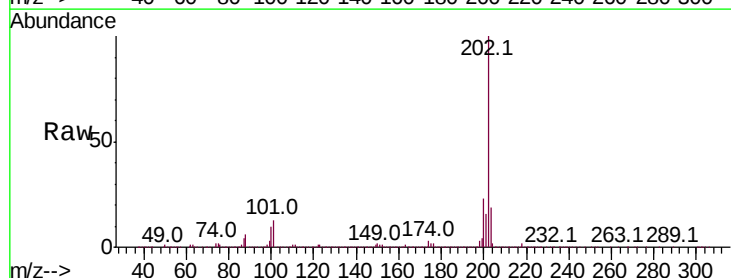
Tgt Ion:202 Resp: 2326229

Ion Ratio Lower Upper

202 100

101 12.7 0.0 32.9

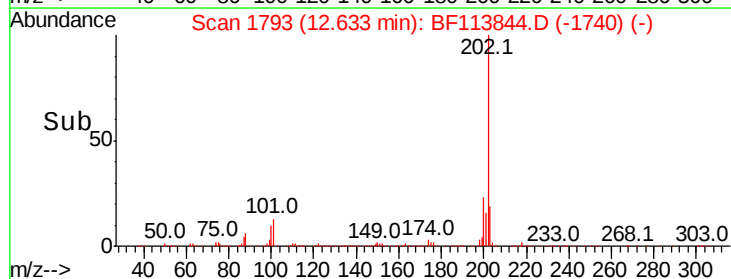
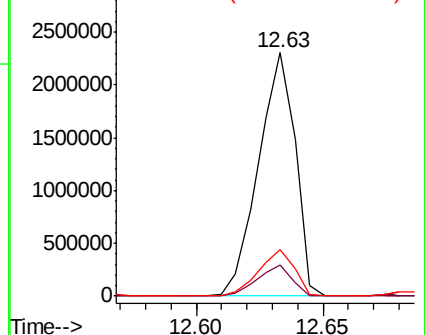
203 19.2 0.0 38.2

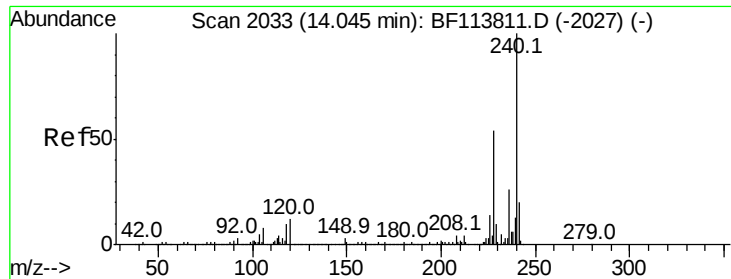


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

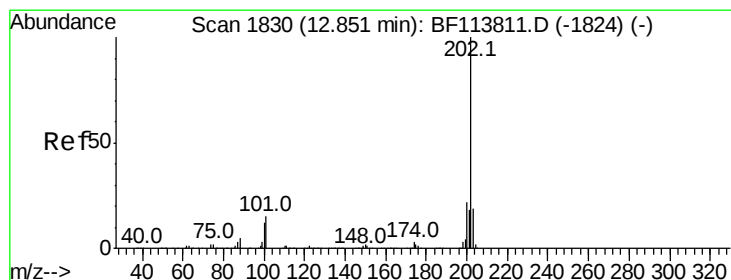
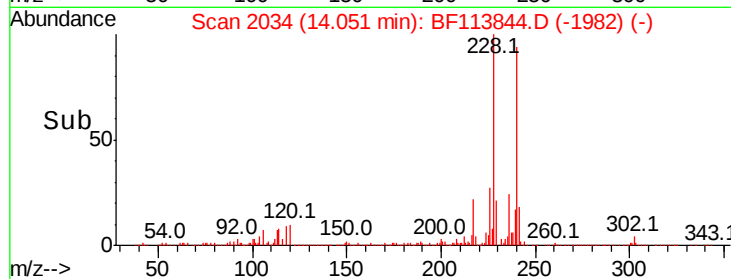
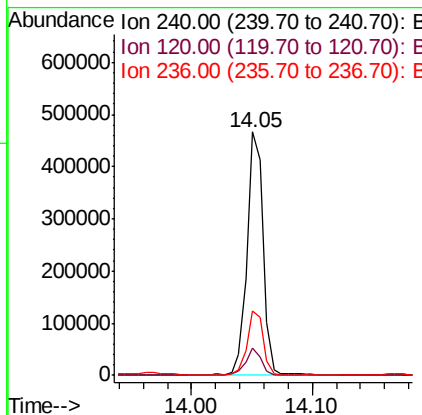
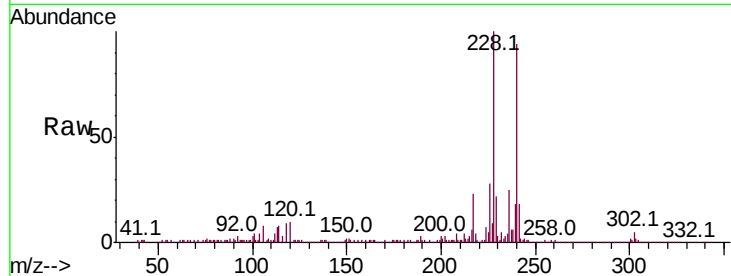




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF113844.D
 Acq: 19 Apr 2019 5:09

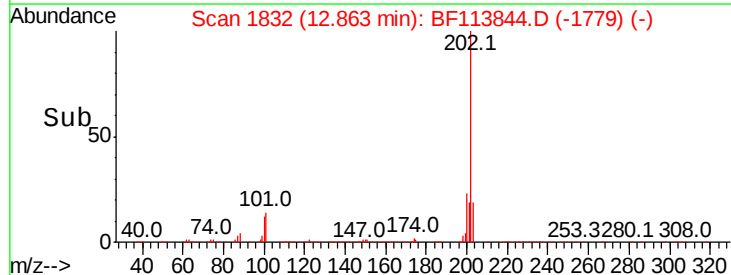
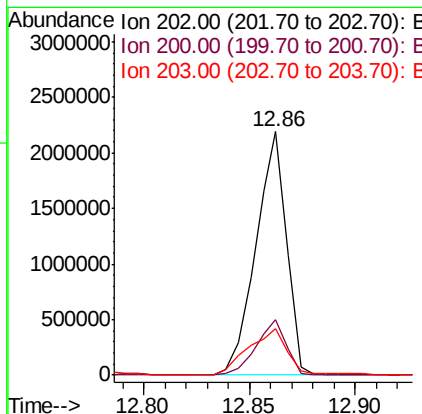
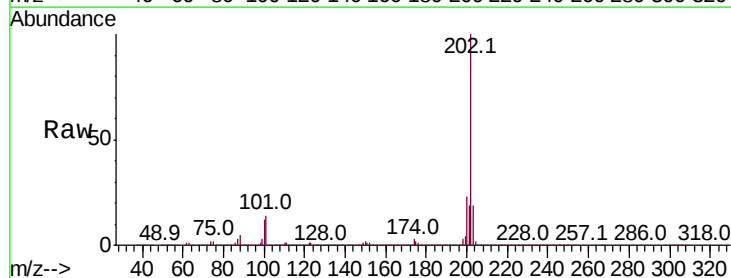
Instrument :
 BNA_F
 ClientSampleId :

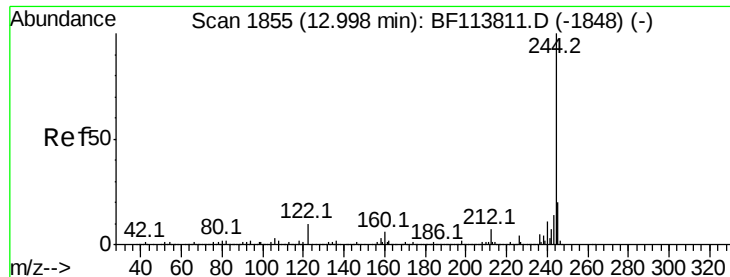
Tot Ion:240 Resp: 433322
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.3 13.9
 236 26.6 21.2 31.8



#78
 Pyrene
 Concen: 72.154 ng
 RT: 12.86 min Scan# 1832
 Delta R.T. 0.01 min
 Lab File: BF113844.D
 Acq: 19 Apr 2019 5:09

Tgt Ion:202 Resp: 2203494
 Ion Ratio Lower Upper
 202 100
 200 23.0 17.7 26.5
 203 19.0 15.0 22.6





#79

Terphenyl-d14

Concen: 66.073 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampleId :

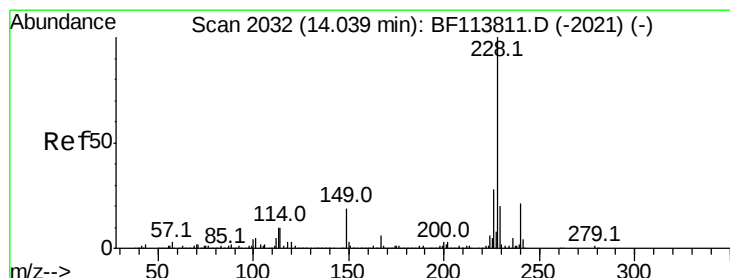
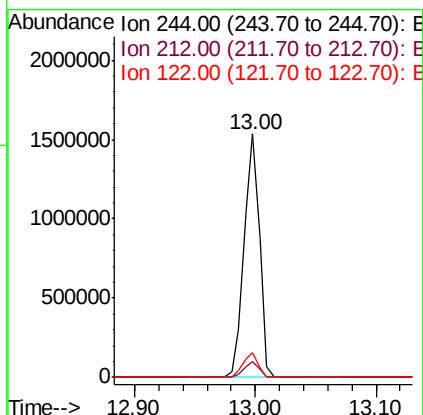
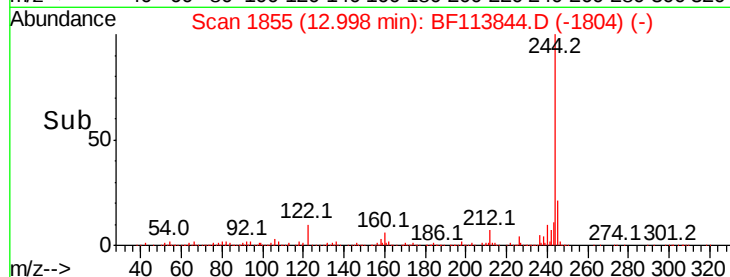
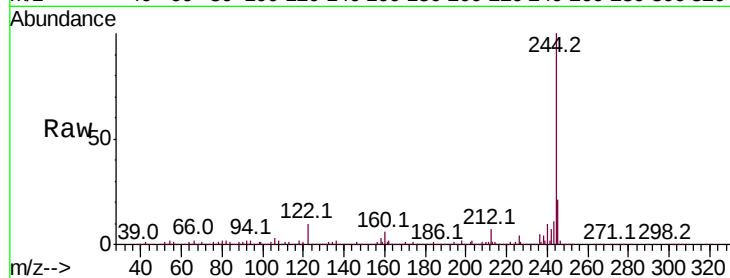
Tot Ion:244 Resp: 1365364

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.2 7.6 11.4



#81

Benzo(a)anthracene

Concen: 47.492 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

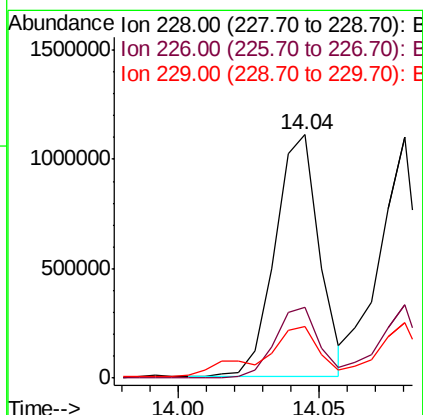
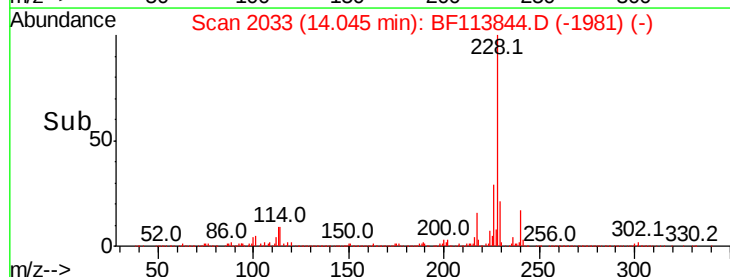
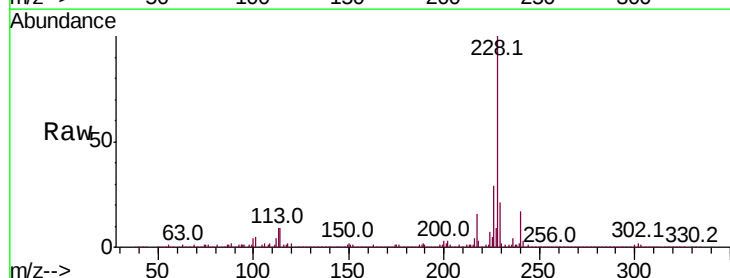
Tgt Ion:228 Resp: 1202972

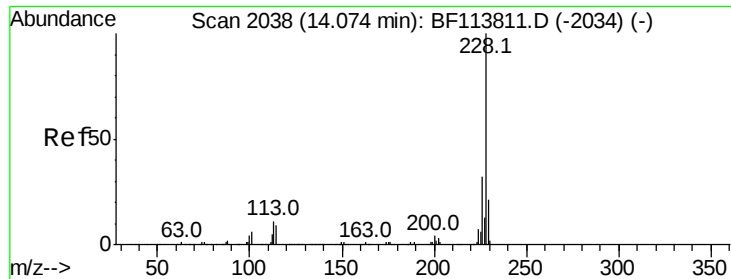
Ion Ratio Lower Upper

228 100

226 29.2 22.2 33.2

229 21.3 16.0 24.0





#83

Chrysene

Concen: 41.296 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

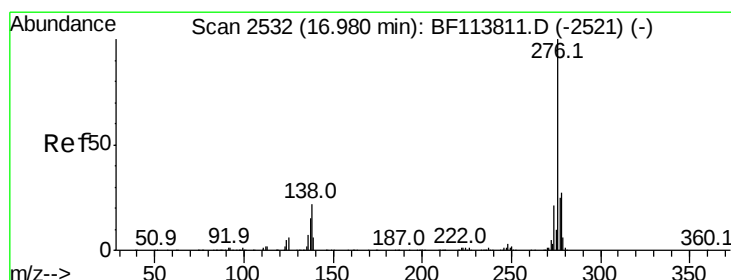
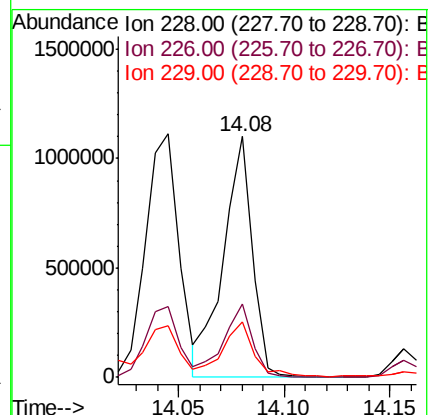
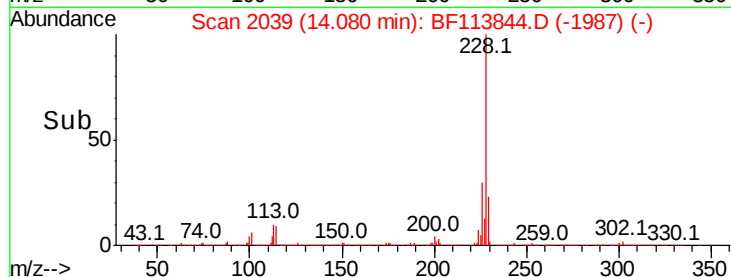
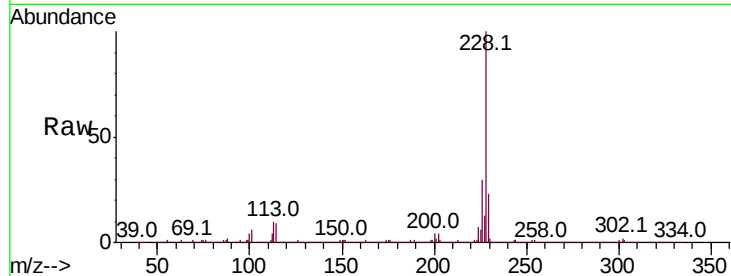
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 1038231

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.2	37.8
229	23.2	16.7	25.1



#86

Indeno(1,2,3-cd)pyrene

Concen: 17.063 ng

RT: 17.00 min Scan# 2535

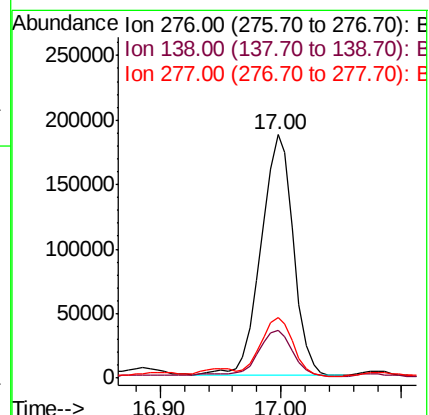
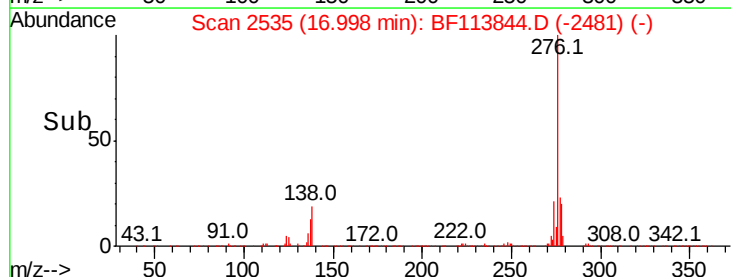
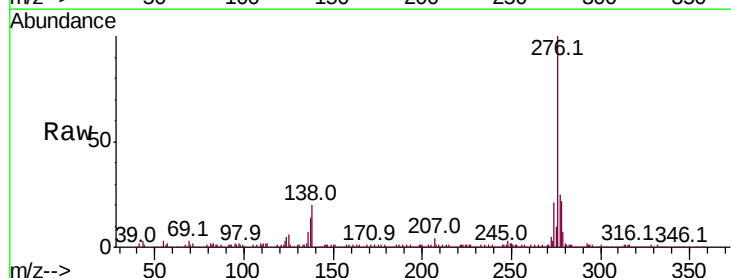
Delta R.T. 0.02 min

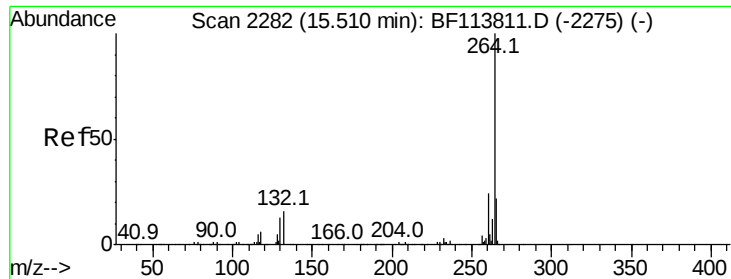
Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Tgt Ion:276 Resp: 350208

Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.6	29.4
277	24.3	20.2	30.4



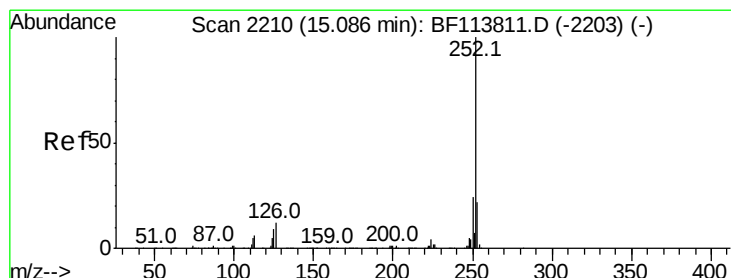
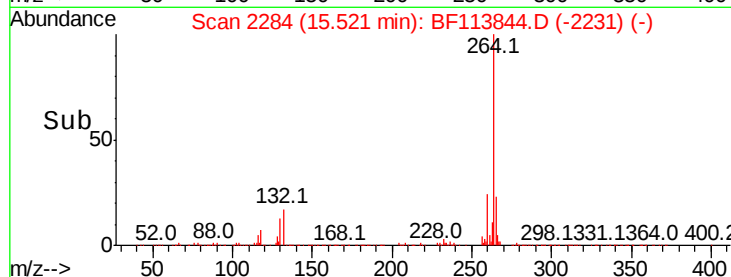
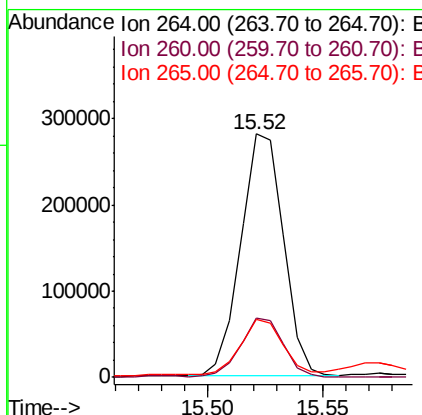
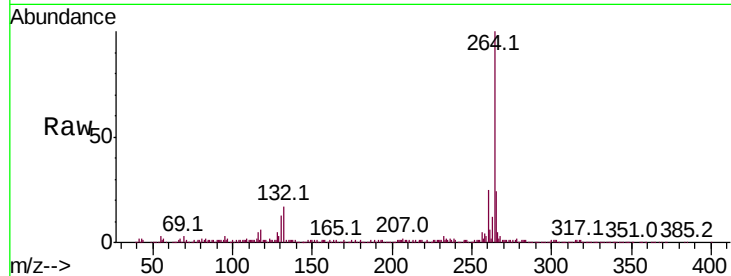


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF113844.D
Acq: 19 Apr 2019 5:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 363405

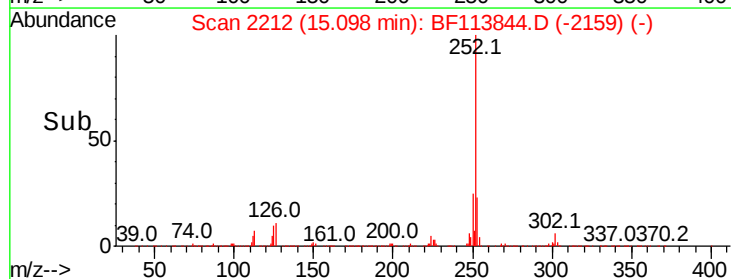
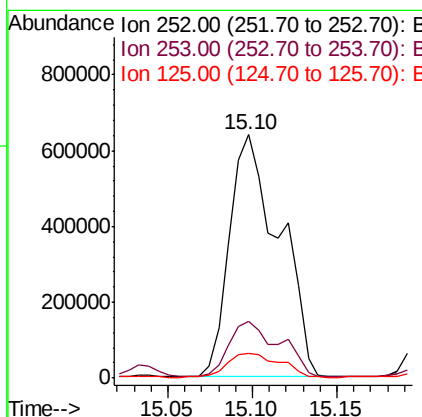
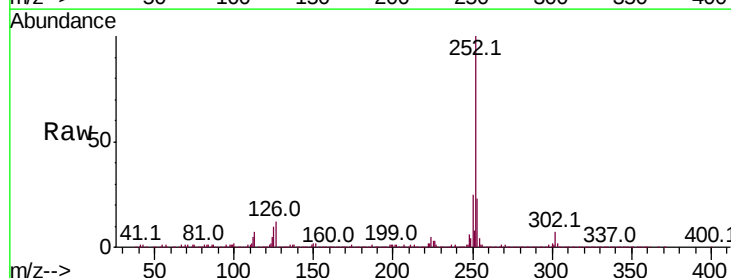
Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.9	28.3
265	23.7	17.3	25.9

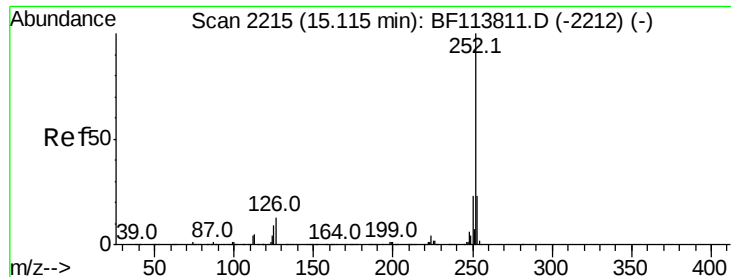


#88
Benzo(b)fluoranthene
Concen: 57.673 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF113844.D
Acq: 19 Apr 2019 5:09

Tgt Ion:252 Resp: 1306568

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	10.2	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 63.321 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.02 min

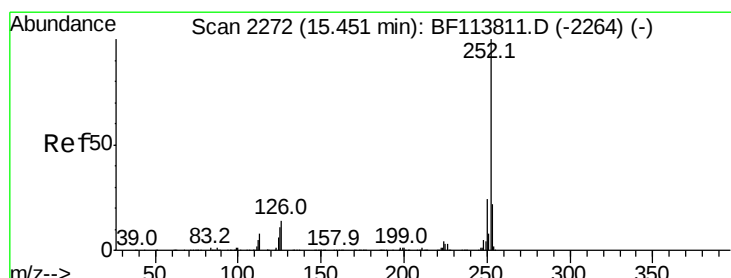
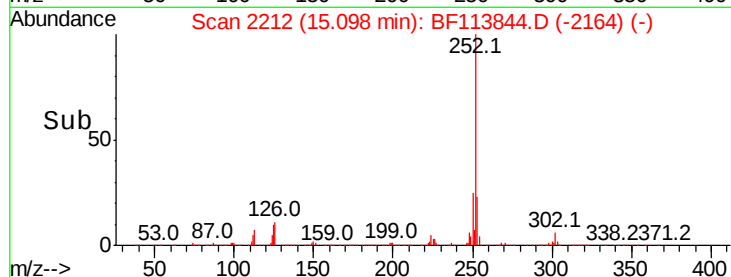
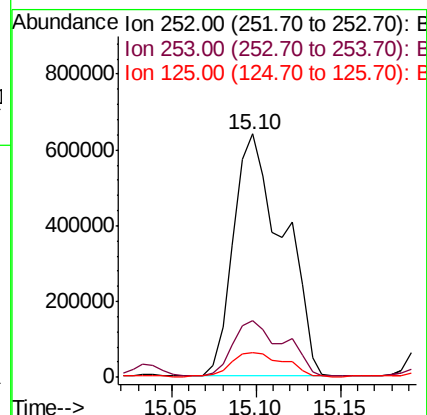
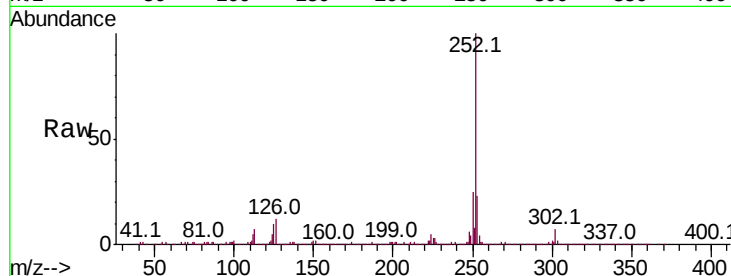
Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1306568

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	10.2	7.4	11.2



#90

Benzo(a)pyrene

Concen: 34.747 ng

RT: 15.46 min Scan# 2274

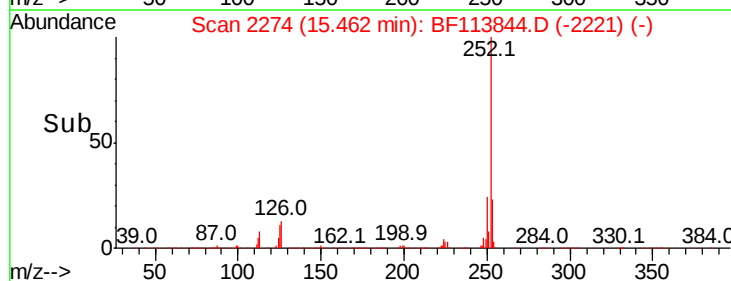
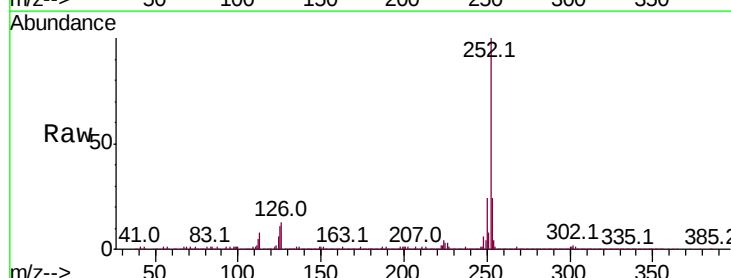
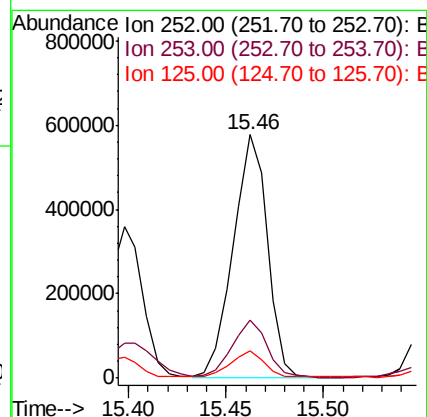
Delta R.T. 0.01 min

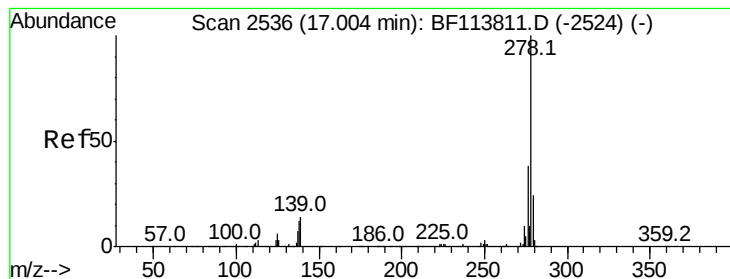
Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Tgt Ion:252 Resp: 696048

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	11.1	8.5	12.7





#91

Dibenzo(a,h)anthracene

Concen: 4.783 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.18 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

Instrument :

BNA_F

ClientSampleId :

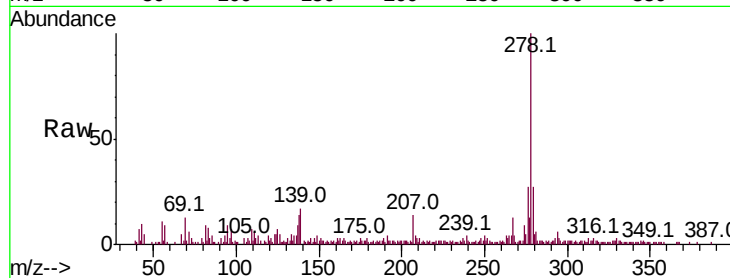
Tot Ion:278 Resp: 85248

Ion Ratio Lower Upper

278 100

139 16.9 11.6 17.4

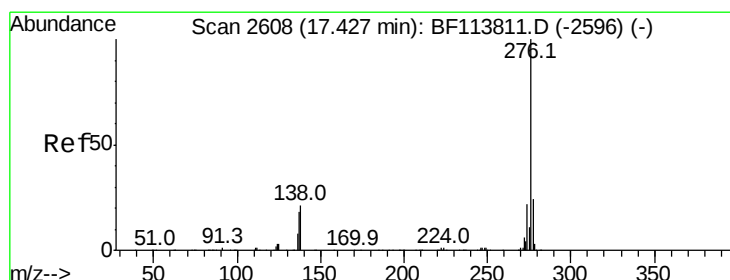
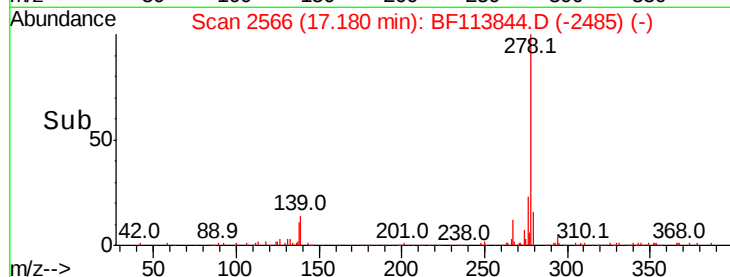
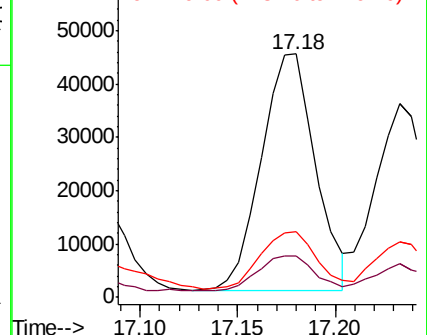
279 26.9 19.0 28.6



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: 17.034 ng

RT: 17.44 min Scan# 2611

Delta R.T. 0.02 min

Lab File: BF113844.D

Acq: 19 Apr 2019 5:09

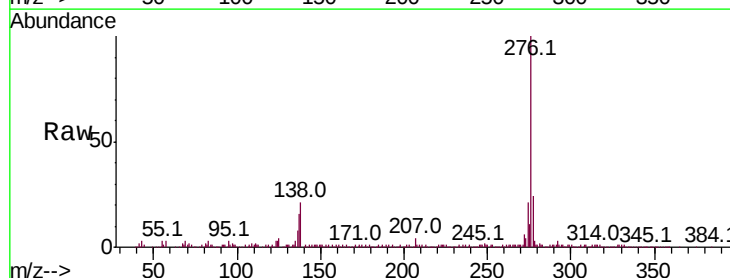
Tgt Ion:276 Resp: 308590

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 20.6 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

