

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113843.D
 Acq On : 19 Apr 2019 4:40
 Operator : JU/SJ
 Sample : K2435-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 05:36:38 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	155987	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	518369	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	248136	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	528979	20.00	ng	0.01
76) Chrysene-d12	14.06	240	428244	20.00	ng	0.02
87) Perylene-d12	15.53	264	378938	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	819944	87.40	ng	0.00
7) Phenol-d6	6.52	99	985685	84.25	ng	0.00
23) Nitrobenzene-d5	7.45	82	561526	65.97	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	284138	103.65	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1025897	63.05	ng	0.00
79) Terphenyl-d14	13.00	244	1407040	68.90	ng	0.00

Target Compounds

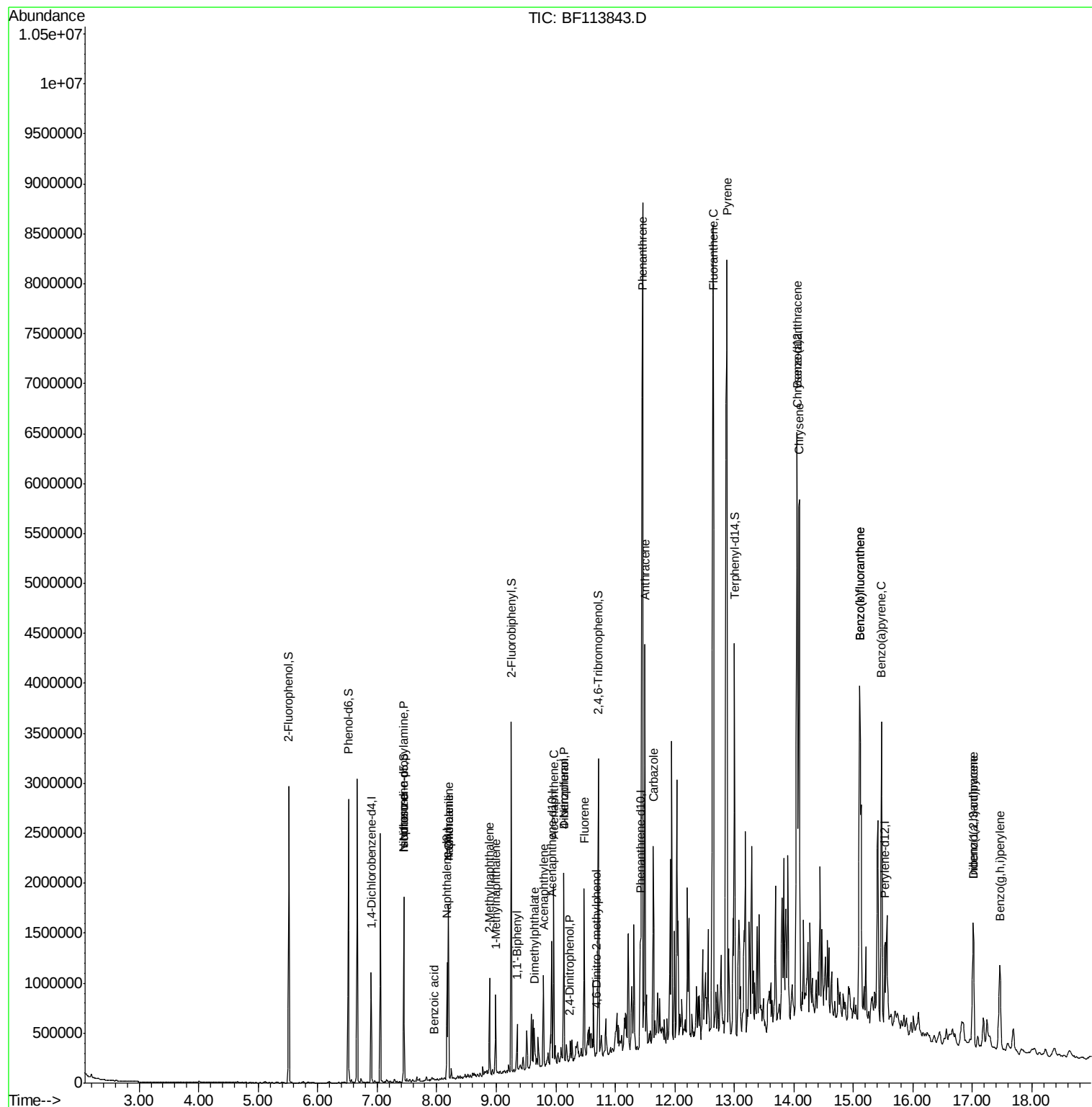
						Qvalue
9) Benzaldehyde	6.43	77	1155	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	77500	9.925 ng	#	77
25) Isophorone	7.45	82	559379	31.738 ng	#	65
31) Naphthalene	8.20	128	681617	27.799 ng		99
32) Benzoic acid	7.95	122	2825	6.442 ng	#	35
33) 4-Chloroaniline	8.20	127	89398	8.595 ng	#	32
37) 2-Methylnaphthalene	8.89	142	257490	15.828 ng		99
38) 1-Methylnaphthalene	8.99	142	202761	12.845 ng		99
46) 1,1'-Biphenyl	9.35	154	122681	6.534 ng		97
49) Acenaphthylene	9.79	152	322214	13.403 ng		99
50) Dimethylphthalate	9.64	163	134611	7.752 ng		100
52) Acenaphthene	9.96	154	350549	24.859 ng		99
54) 2,4-Dinitrophenol	10.23	184	134	8.936 ng	#	23
55) Dibenzofuran	10.13	168	678984	32.142 ng		97
56) 4-Nitrophenol	10.13	139	238297	72.158 ng	#	15
58) Fluorene	10.48	166	498144	31.612 ng		99
65) 4,6-Dinitro-2-methylphenol	10.67	198	108	6.970 ng	#	1
71) Phenanthrene	11.46	178	4521029	167.810 ng		95
72) Anthracene	11.50	178	1447245	53.308 ng		100
73) Carbazole	11.64	167	745956	30.263 ng		100
75) Fluoranthene	12.64	202	4843381	169.631 ng		96
78) Pyrene	12.87	202	4479372	148.417 ng		95
81) Benzo(a)anthracene	14.05	228	2817731	112.560 ng		96
83) Chrysene	14.09	228	2227042	89.631 ng		97
86) Indeno(1,2,3-cd)pyrene	17.02	276	840909	41.457 ng		96
88) Benzo(b)fluoranthene	15.11	252	3079817	130.374 ng	#	96
89) Benzo(k)fluoranthene	15.11	252	3079817	143.141 ng		97
90) Benzo(a)pyrene	15.47	252	1619569	77.535 ng		98
91) Dibenzo(a,h)anthracene	17.02	278	243237	13.087 ng		95
92) Benzo(g,h,i)perylene	17.46	276	746282	39.505 ng		99

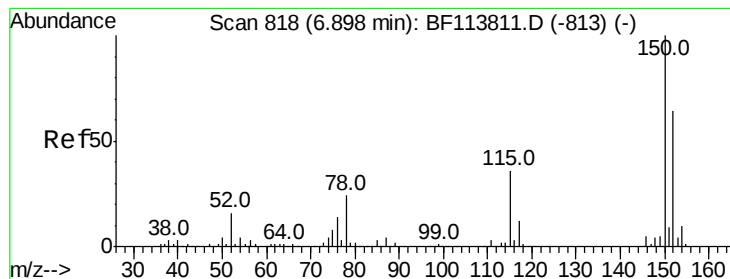
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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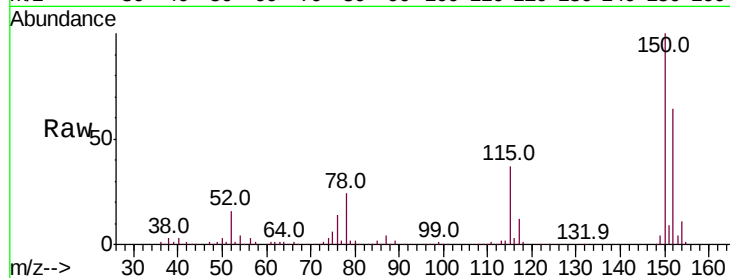


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF113843.D
 Acq: 19 Apr 2019 4:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.9	188.9
115	58.4	45.9	68.9

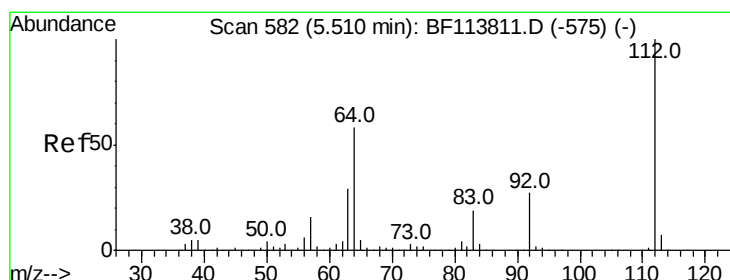
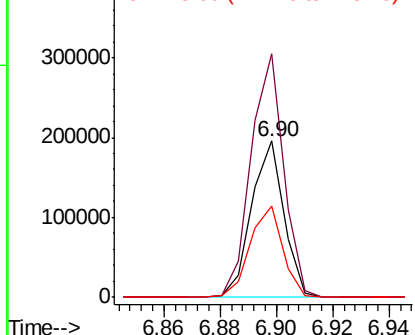
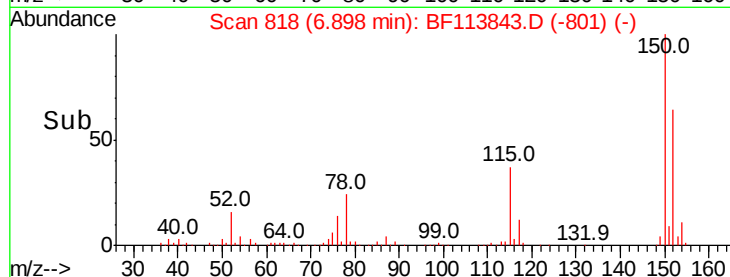


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

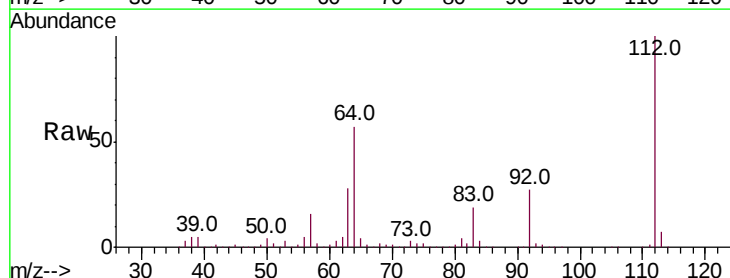
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 87.404 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: BF113843.D
 Acq: 19 Apr 2019 4:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.6	69.8
63	28.4	23.1	34.7

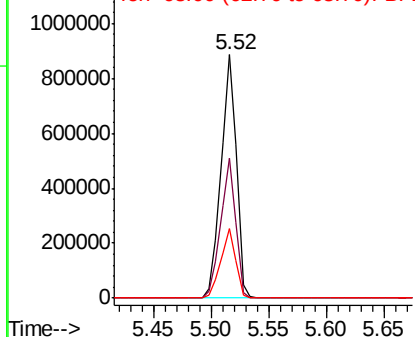
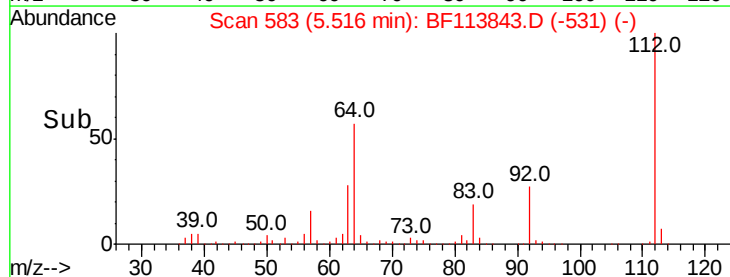


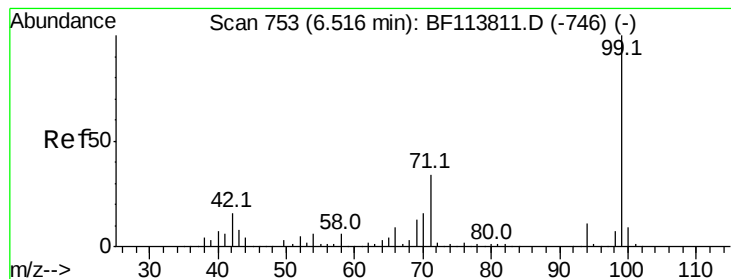
Abundance

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: 84.254 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :

BNA_F

ClientSampled :

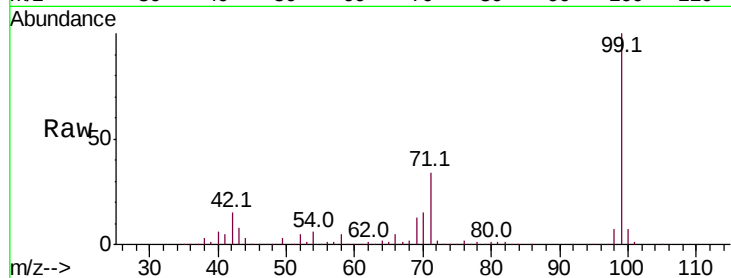
Tot Ion: 99 Resp: 985685

Ion Ratio Lower Upper

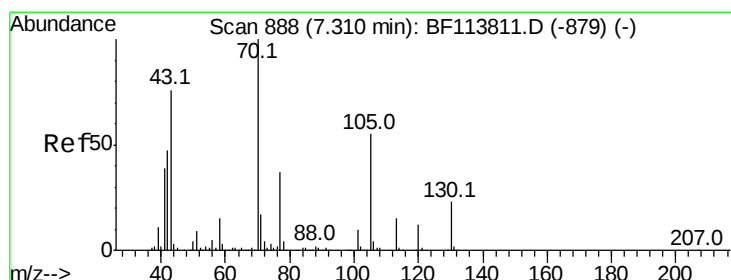
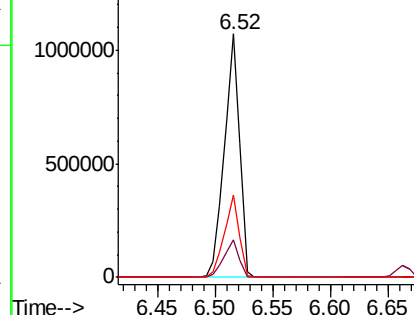
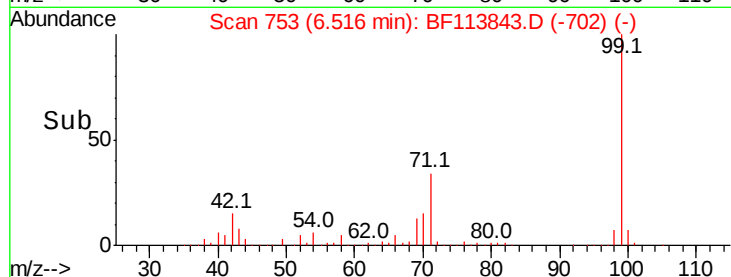
99 100

42 15.2 12.5 18.7

71 33.9 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: 9.925 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Tgt Ion: 70 Resp: 77500

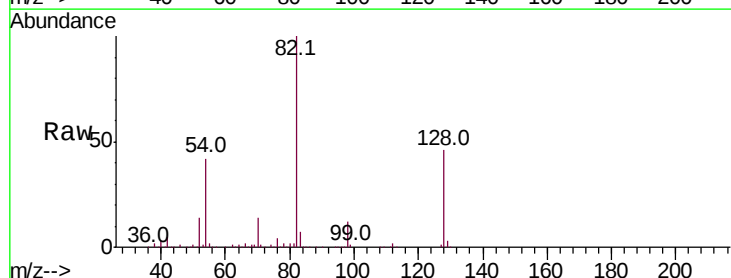
Ion Ratio Lower Upper

70 100

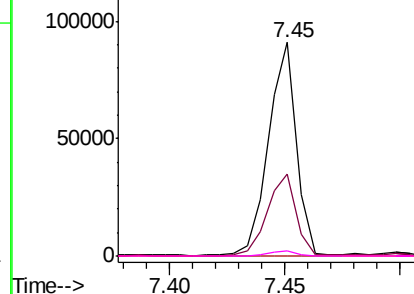
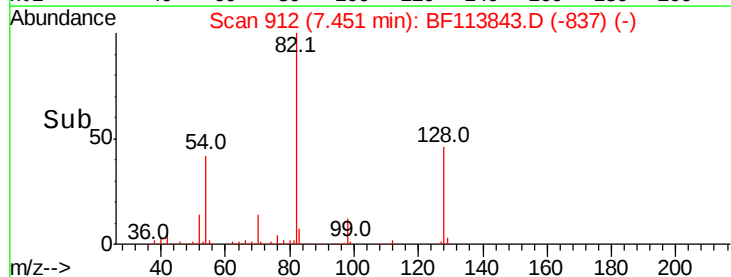
42 38.5 37.3 55.9

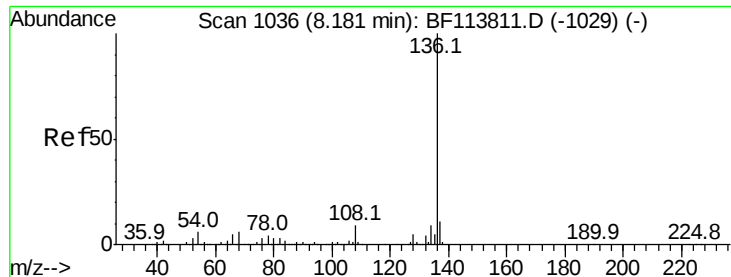
101 0.0 7.8 11.8#

130 2.2 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 518369

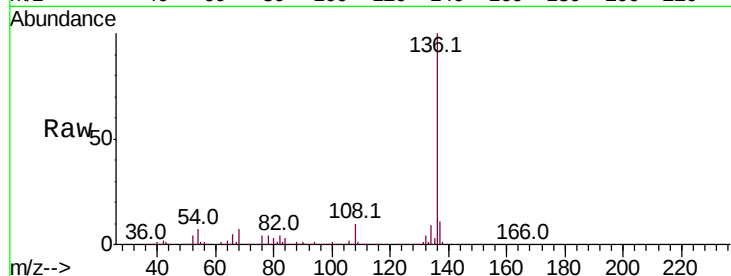
Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 7.0 5.0 7.6

68 6.8 4.9 7.3

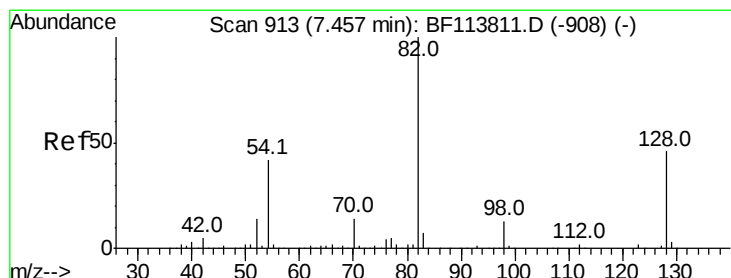
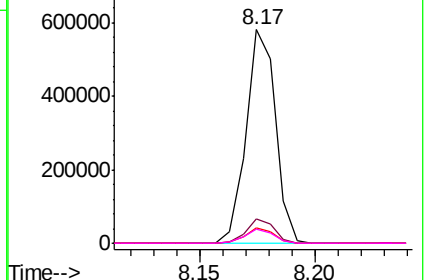
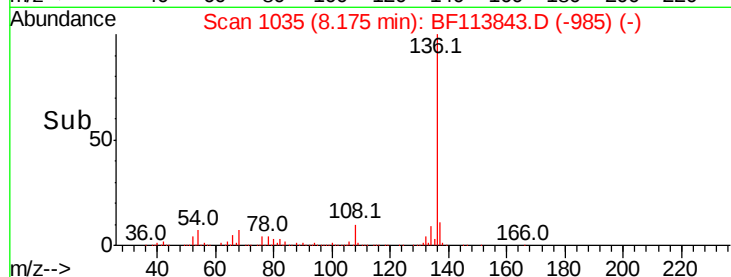


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.966 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

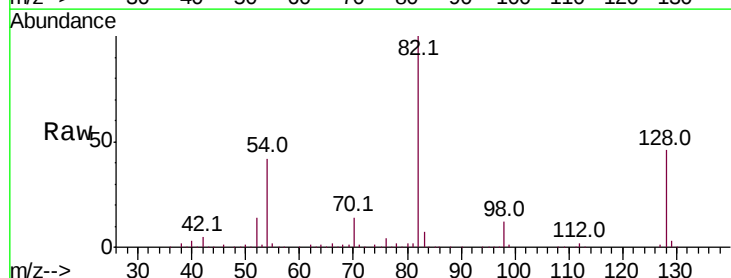
Tgt Ion: 82 Resp: 561526

Ion Ratio Lower Upper

82 100

128 45.9 36.8 55.2

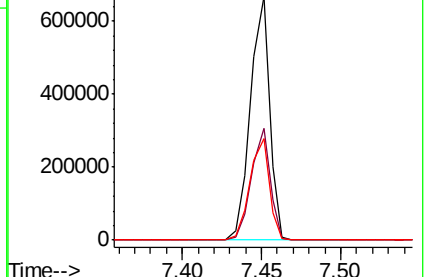
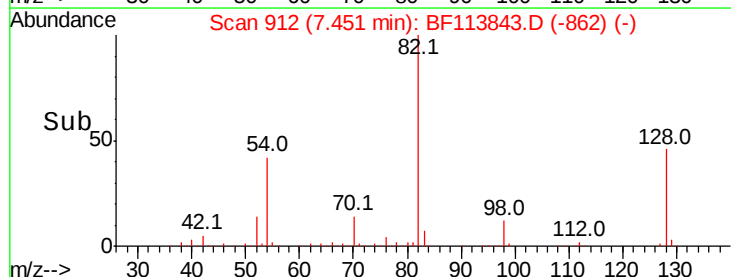
54 41.8 33.8 50.6

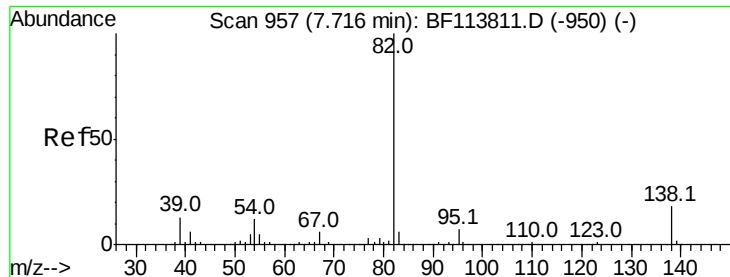


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.738 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :

BNA_F

ClientSampleId :

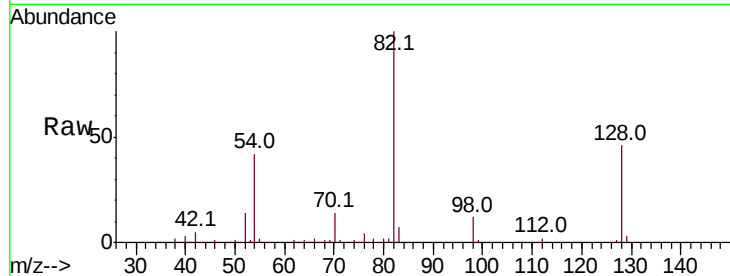
Tot Ion: 82 Resp: 559379

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

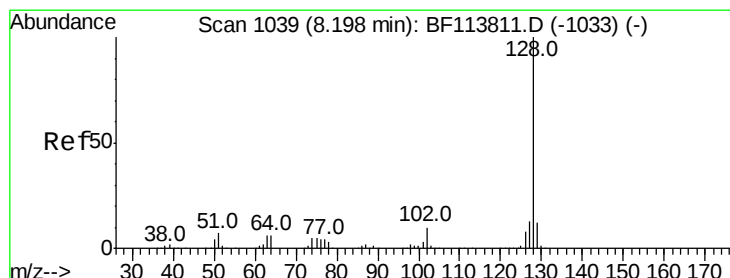
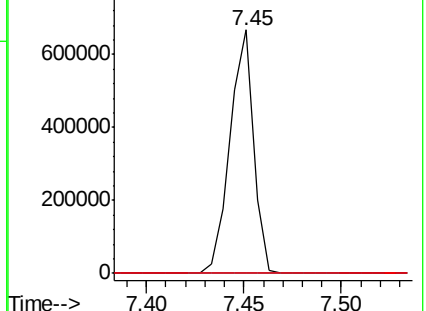
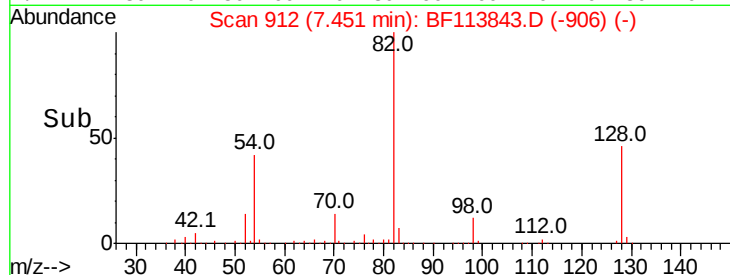
138 0.0 14.6 22.0#



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): E



#31

Naphthalene

Concen: 27.799 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

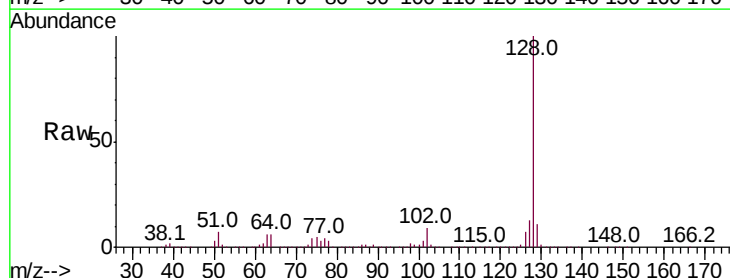
Tgt Ion:128 Resp: 681617

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.0

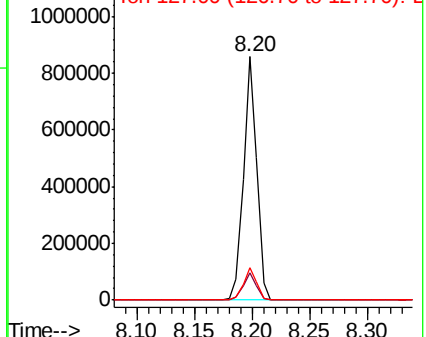
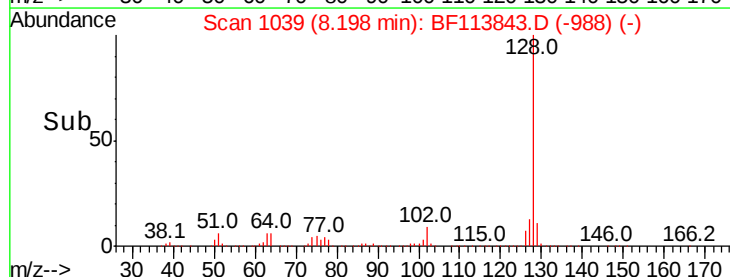
127 13.1 10.8 16.2

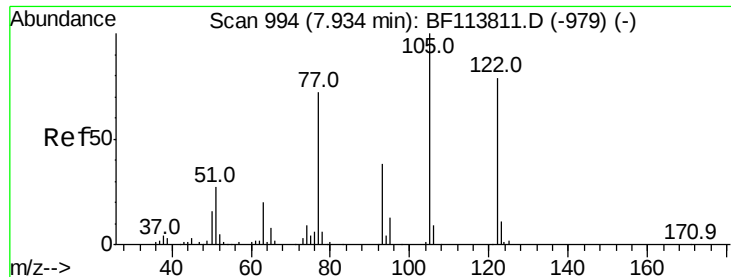


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

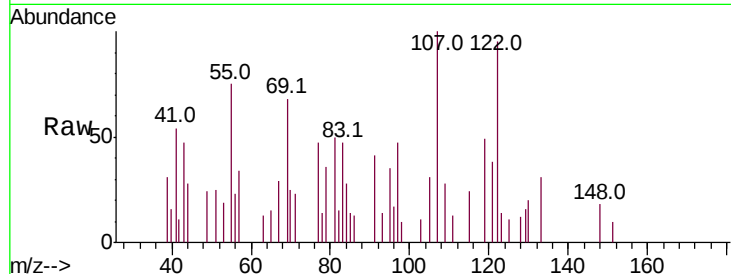




#32
Benzoic acid
Concen: 6.442 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	32.5	104.3	144.3#
77	49.6	70.4	110.4#

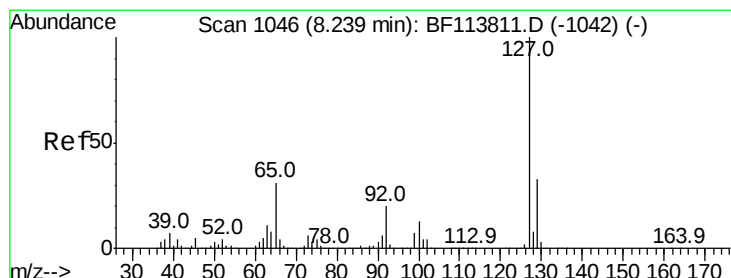
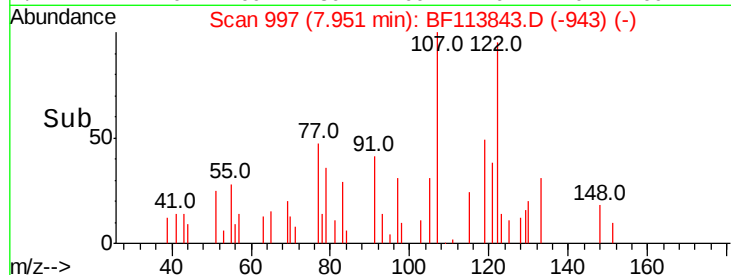
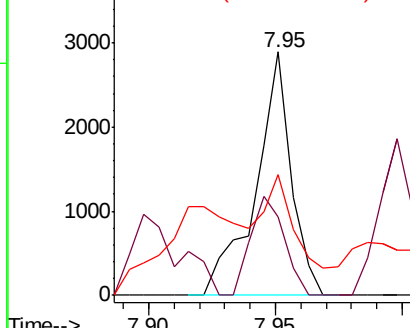


Abundance

Ion 122.00 (121.70 to 122.70): E

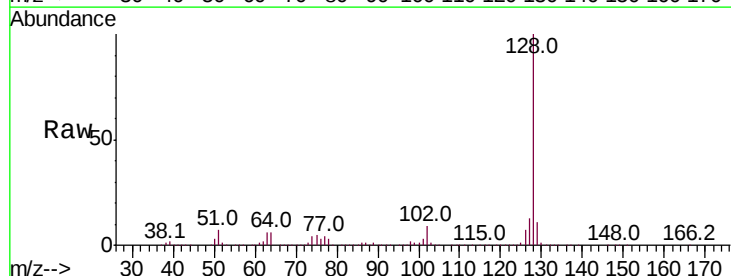
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33
4-Chloroaniline
Concen: 8.595 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.04 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion	Ratio	Lower	Upper
127	100		
129	86.2	26.4	39.6#
65	0.0	24.9	37.3#
92	0.3	15.9	23.9#



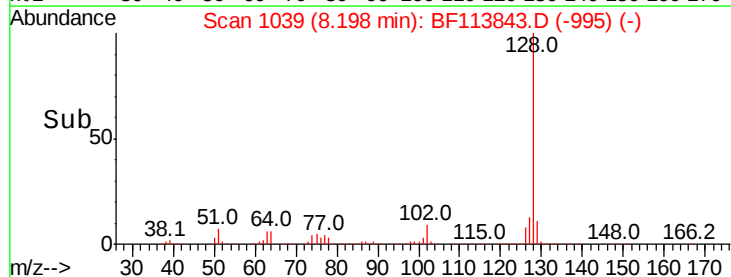
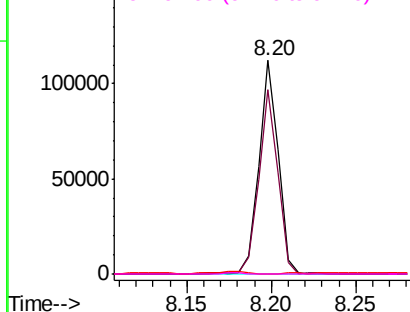
Abundance

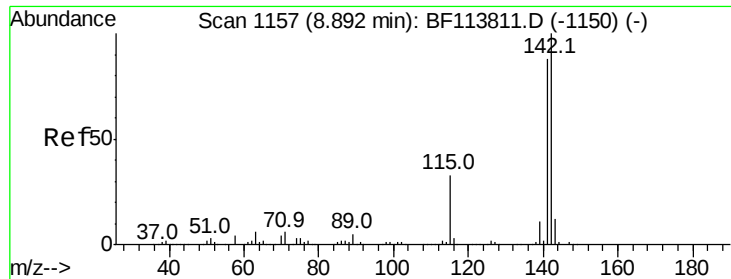
Ion 127.00 (126.70 to 127.70): E

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

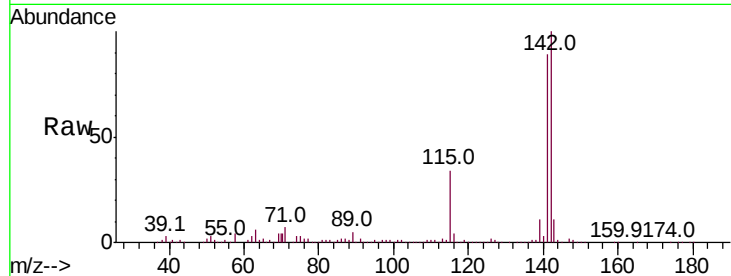




#37
2-Methylnaphthalene
Concen: 15.828 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.4	105.6
115	33.6	26.3	39.5

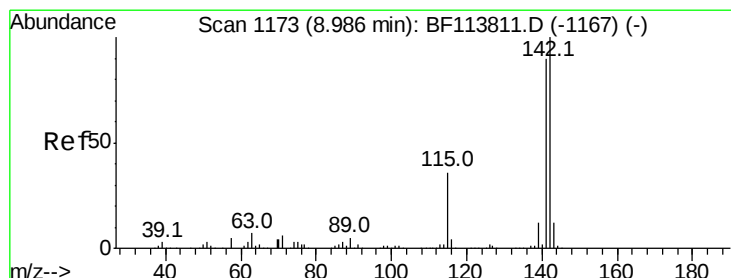
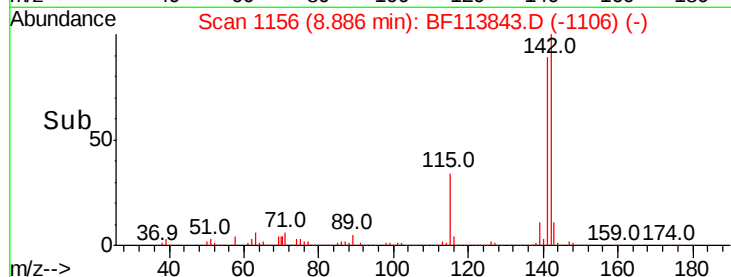
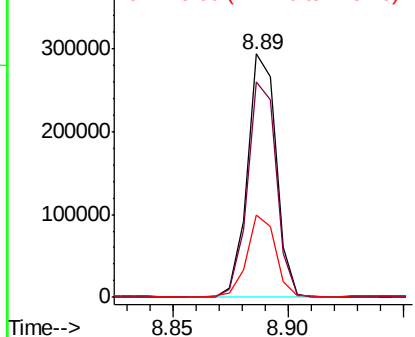


Abundance

Ion 142.00 (141.70 to 142.70): E

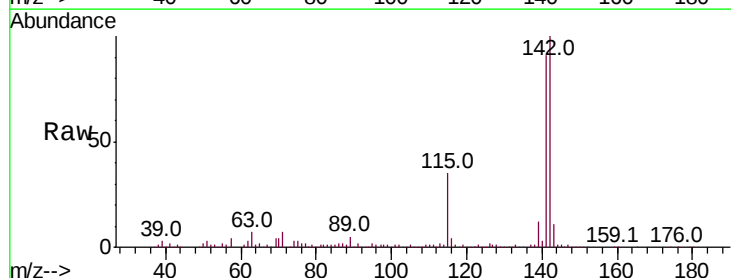
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 12.845 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.3	108.5
116	4.0	3.0	4.4

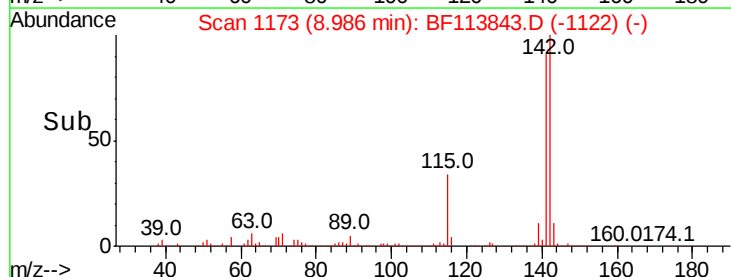
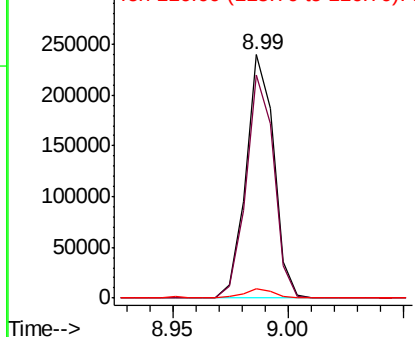


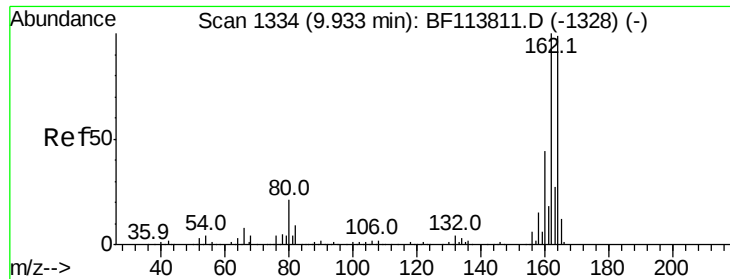
Abundance

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

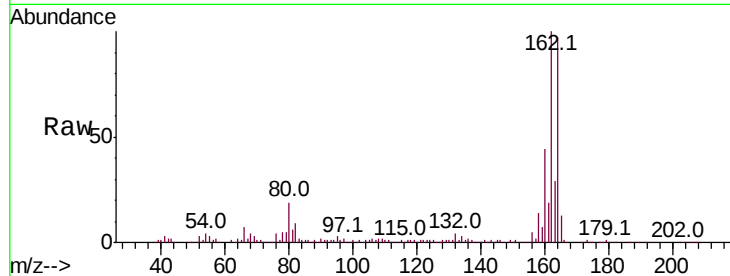




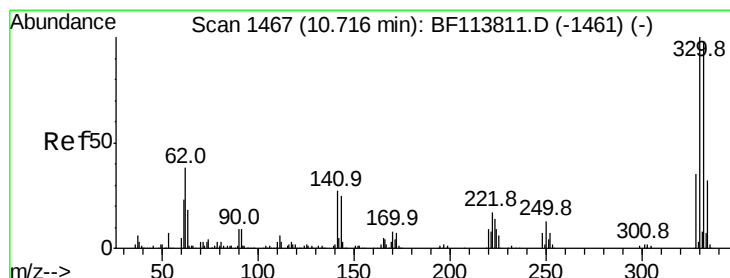
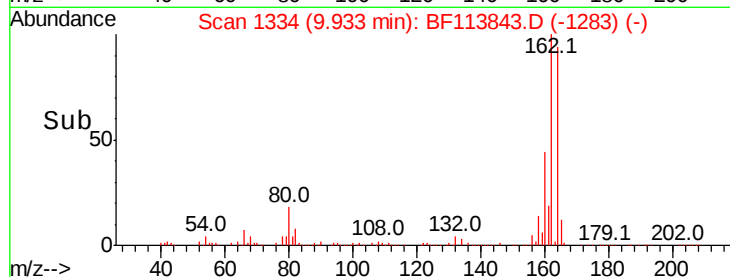
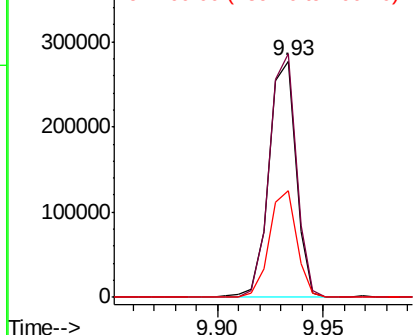
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF113843.D
 Acq: 19 Apr 2019 4:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.1	121.7
160	45.2	35.8	53.6

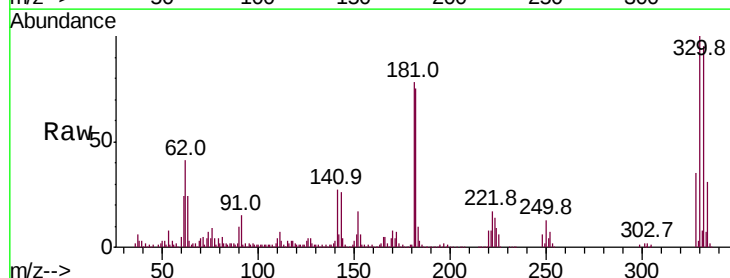


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

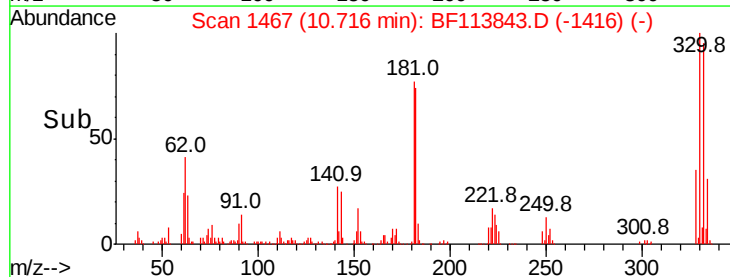
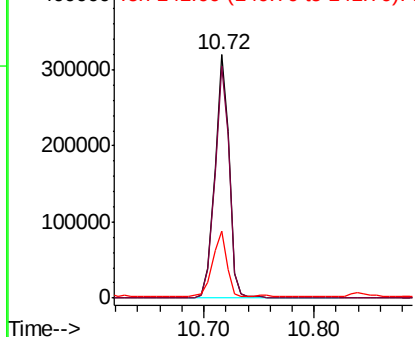


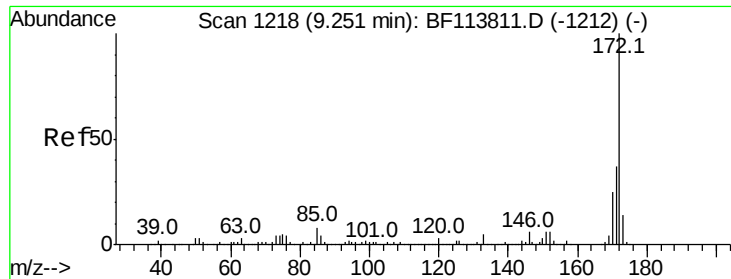
#42
 2,4,6-Tribromophenol
 Concen: 103.645 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF113843.D
 Acq: 19 Apr 2019 4:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	27.0	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

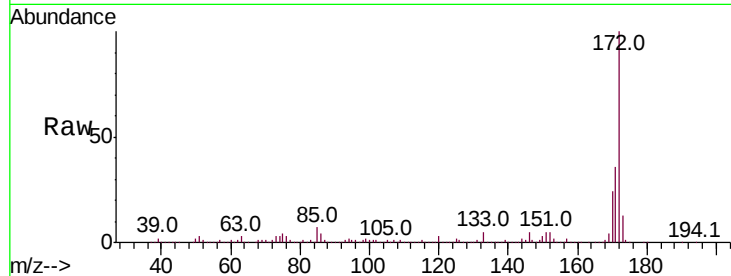




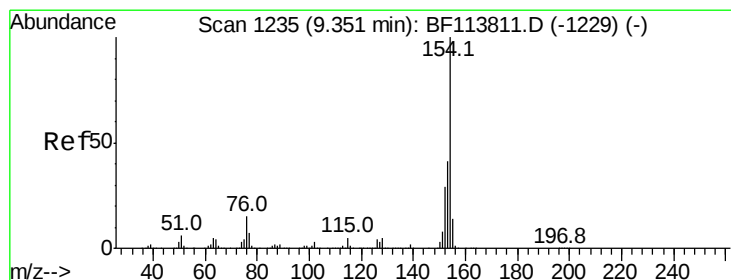
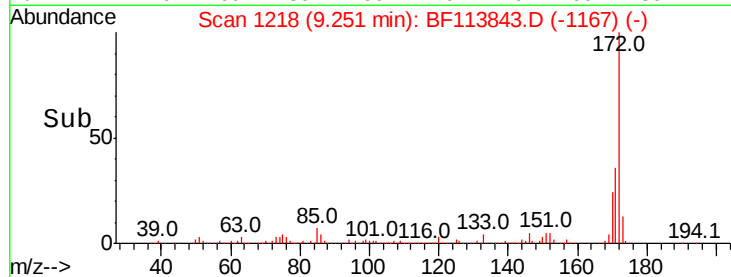
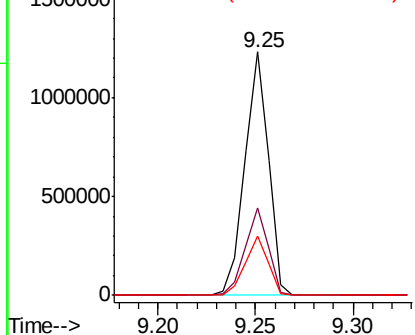
#45
2-Fluorobiphenyl
Concen: 63.051 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1025897
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 24.2 19.9 29.9

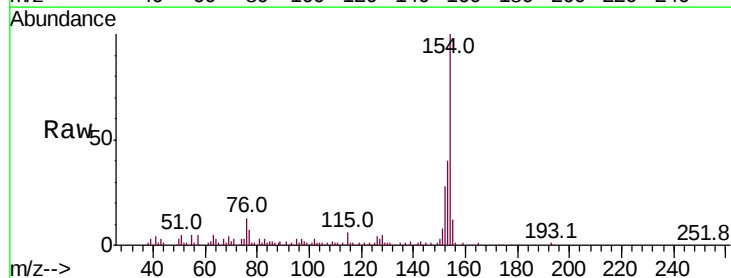


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

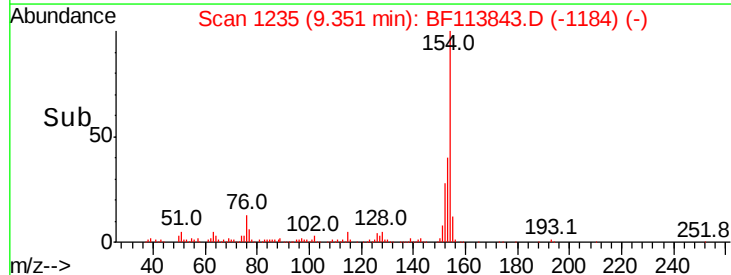
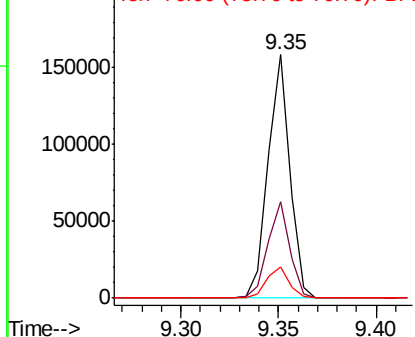


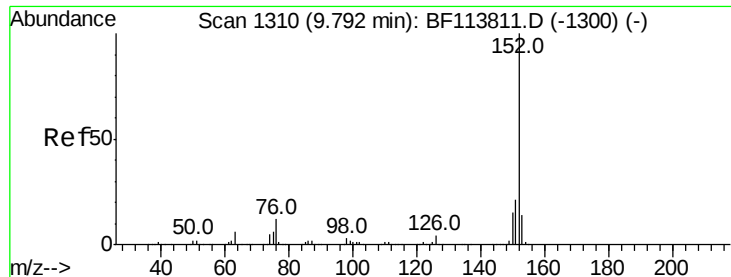
#46
1,1'-Biphenyl
Concen: 6.534 ng
RT: 9.35 min Scan# 1235
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:154 Resp: 122681
Ion Ratio Lower Upper
154 100
153 39.5 20.8 60.8
76 12.8 0.0 35.2



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: 13.403 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :

BNA_F

ClientSampled :

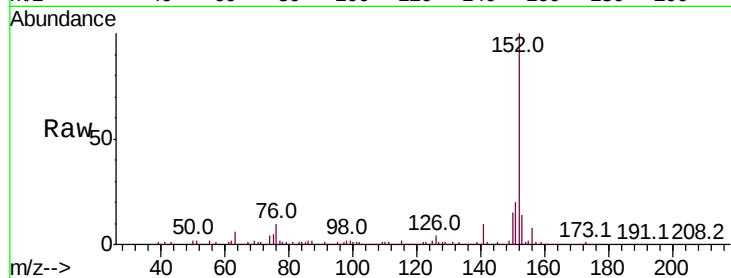
Tot Ion:152 Resp: 322214

Ion Ratio Lower Upper

152 100

151 20.3 17.0 25.4

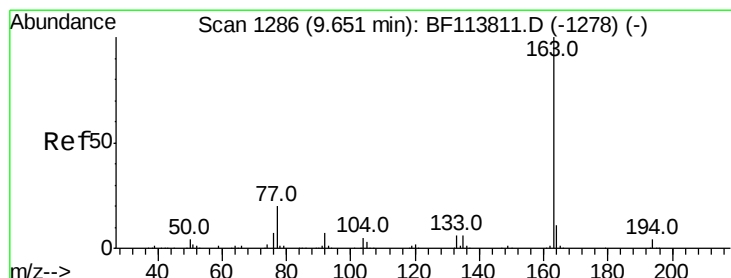
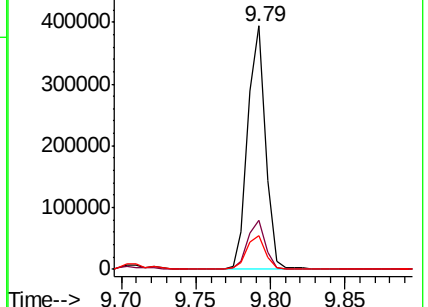
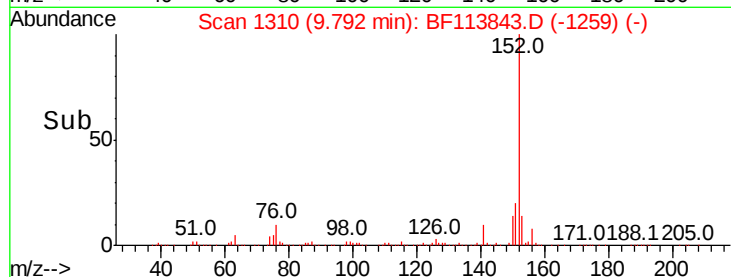
153 14.1 11.0 16.6



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



#50

Dimethylphthalate

Concen: 7.752 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

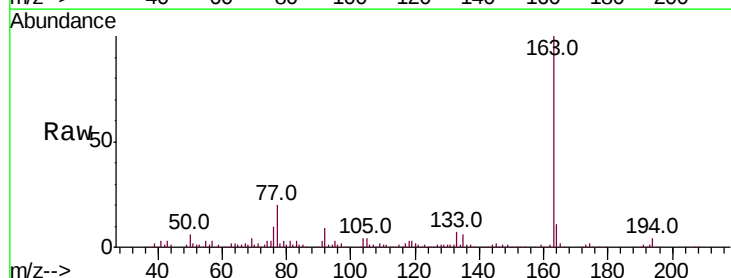
Tgt Ion:163 Resp: 134611

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

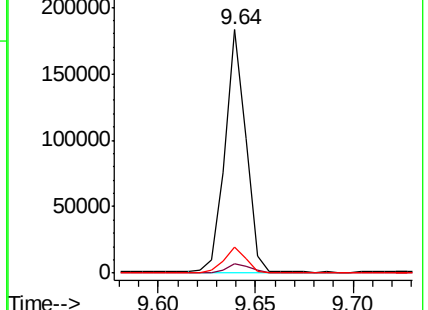
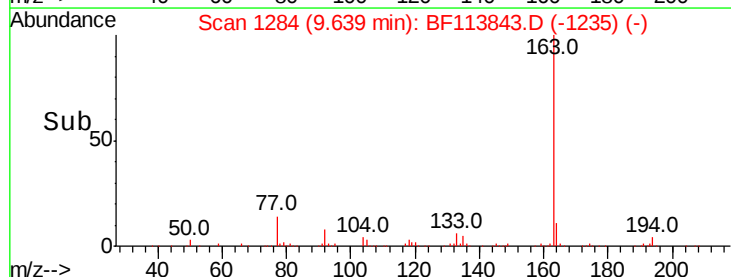
164 10.5 8.5 12.7

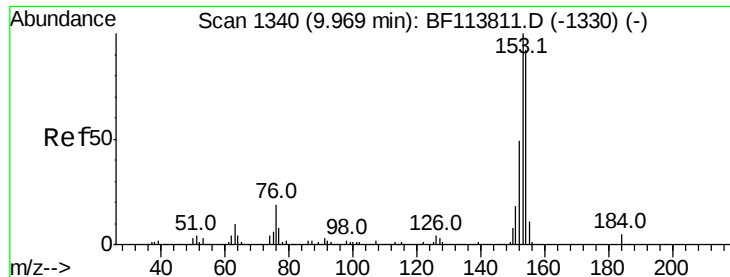


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 24.859 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :

BNA_F

ClientSampleId :

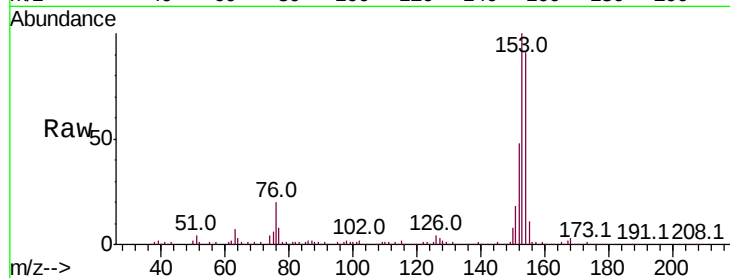
Tot Ion:154 Resp: 350549

Ion Ratio Lower Upper

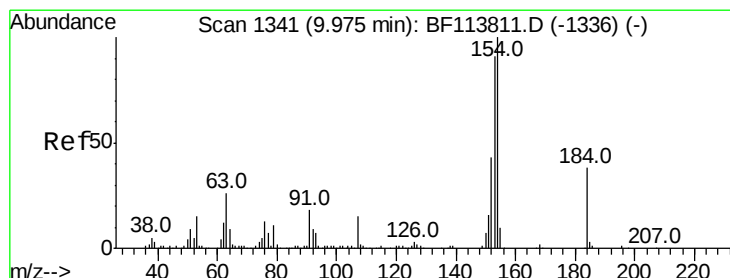
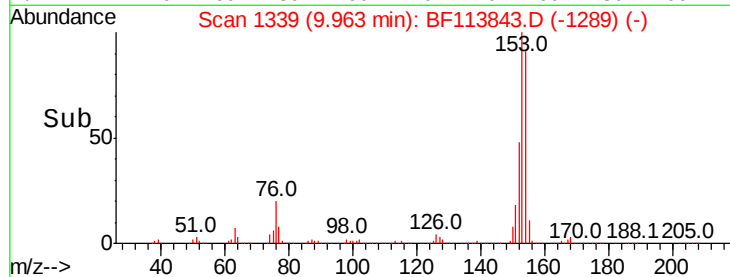
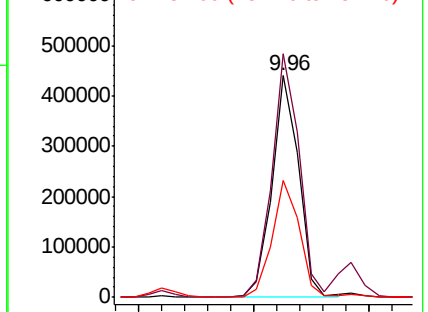
154 100

153 110.0 87.2 130.8

152 52.9 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



#54

2,4-Dinitrophenol

Concen: 8.936 ng

RT: 10.23 min Scan# 1384

Delta R.T. 0.25 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

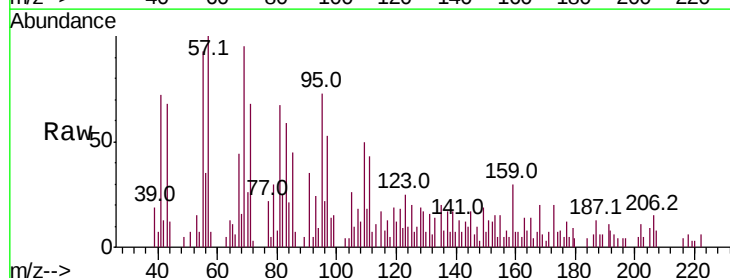
Tgt Ion:184 Resp: 134

Ion Ratio Lower Upper

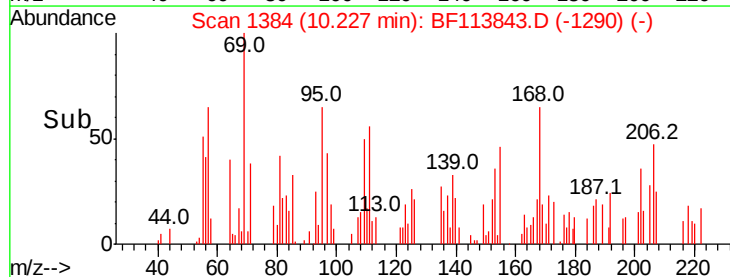
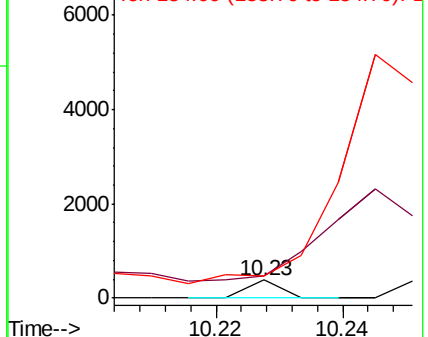
184 100

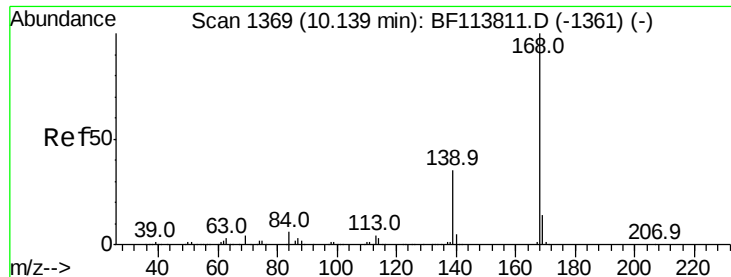
63 122.9 54.6 81.8#

154 126.6 218.6 328.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 32.142 ng

RT: 10.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :

BNA_F

ClientSampleId :

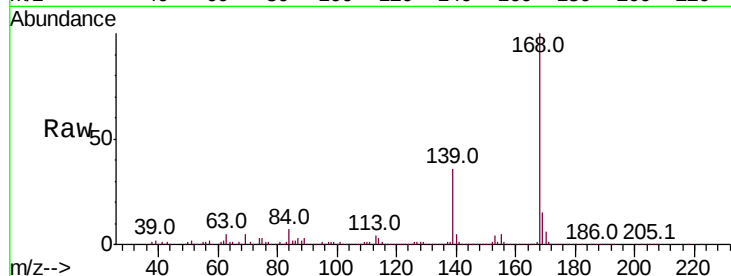
Tot Ion:168 Resp: 678984

Ion Ratio Lower Upper

168 100

139 36.2 27.8 41.6

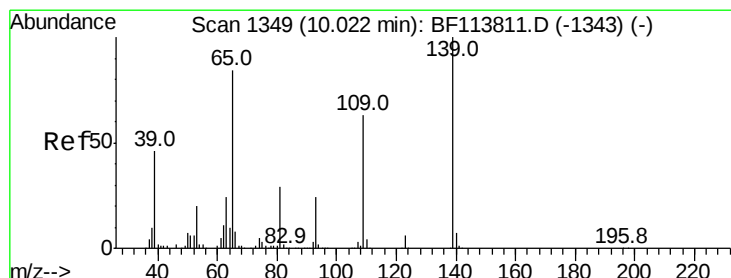
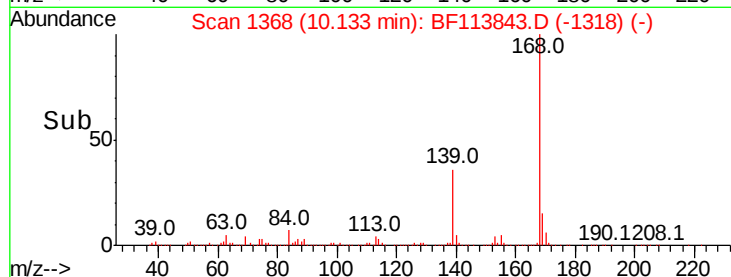
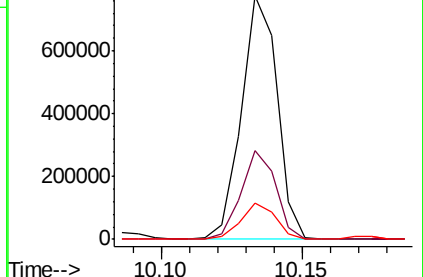
169 15.0 11.0 16.6



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: 72.158 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.11 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

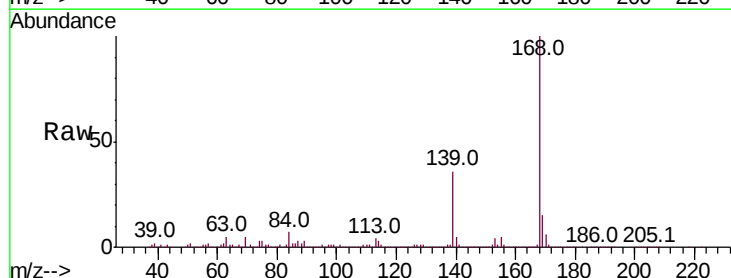
Tgt Ion:139 Resp: 238297

Ion Ratio Lower Upper

139 100

109 2.2 42.9 82.9#

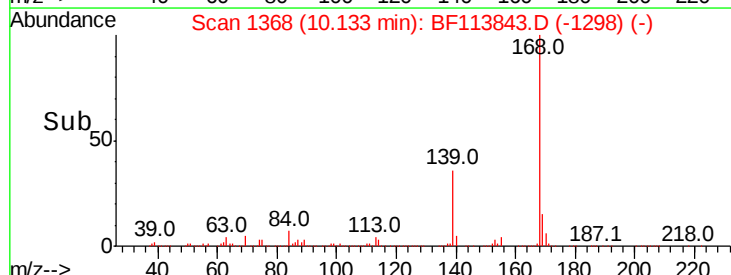
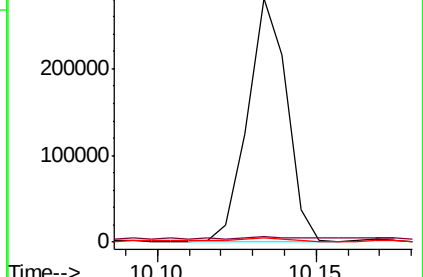
65 2.0 64.4 104.4#

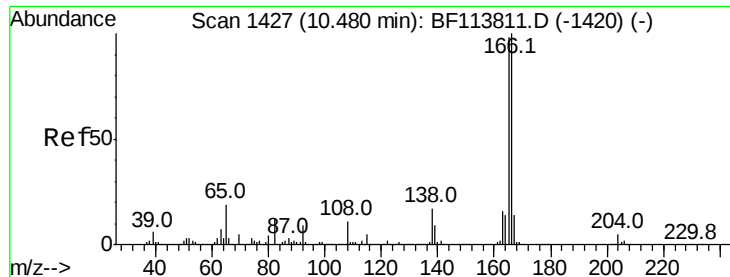


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#58

Fluorene

Concen: 31.612 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.00 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :

BNA_F

ClientSampleId :

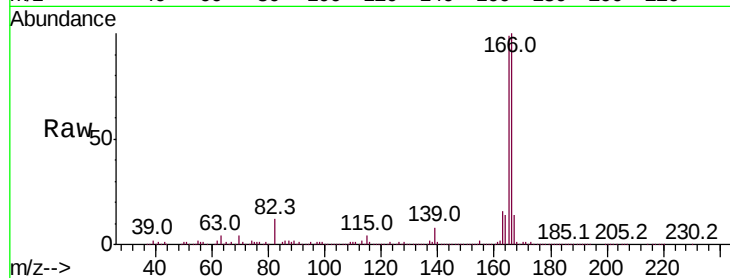
Tot Ion:166 Resp: 498144

Ion Ratio Lower Upper

166 100

165 98.7 78.4 117.6

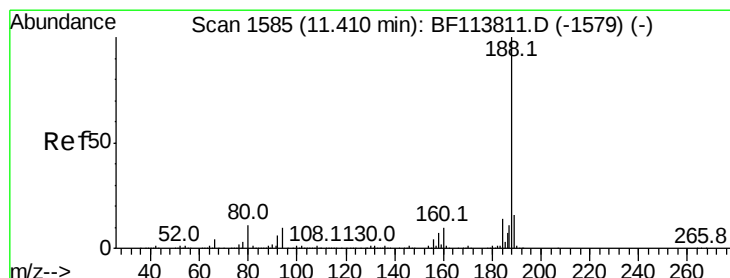
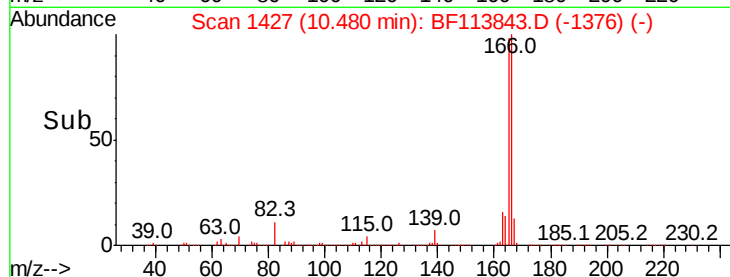
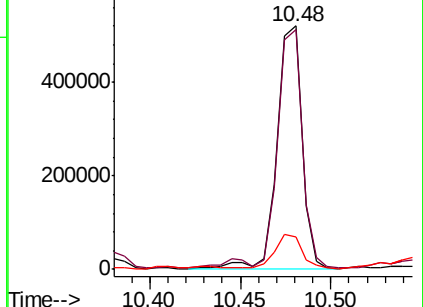
167 13.5 10.9 16.3



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: BF113843.D

Acq: 19 Apr 2019 4:40

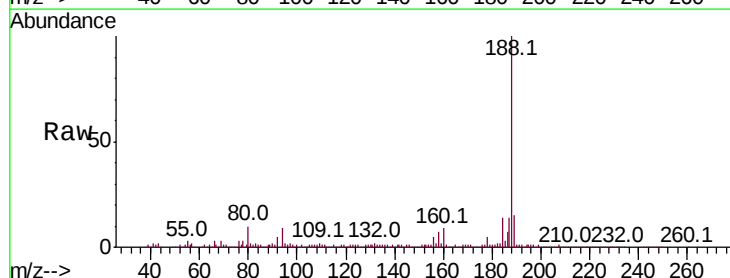
Tgt Ion:188 Resp: 528979

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.4

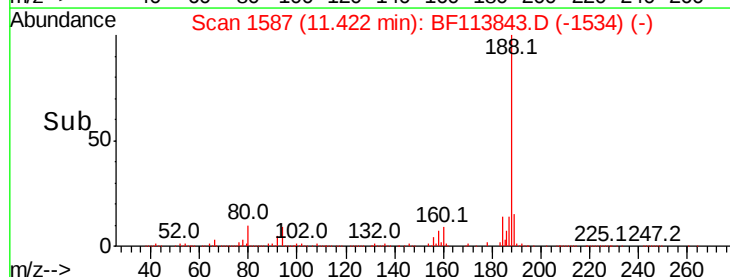
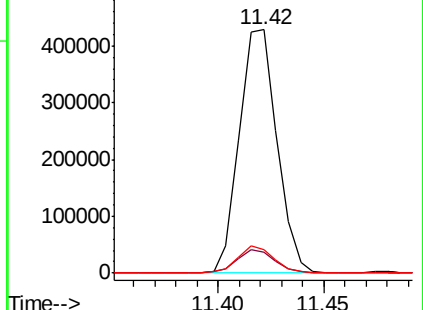
80 9.8 9.0 13.6

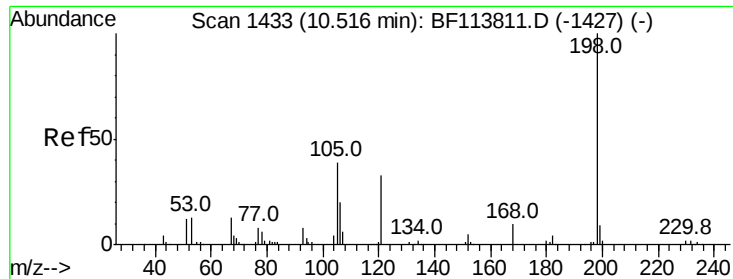


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.970 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.16 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :

BNA_F

ClientSampleId :

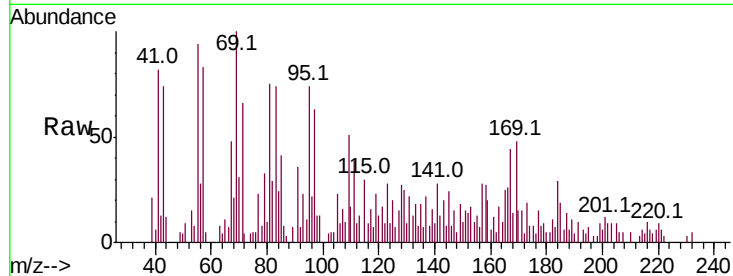
Tot Ion:198 Resp: 108

Ion Ratio Lower Upper

198 100

51 311.4 11.1 51.1#

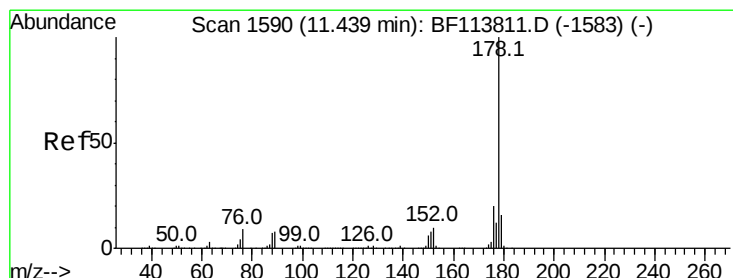
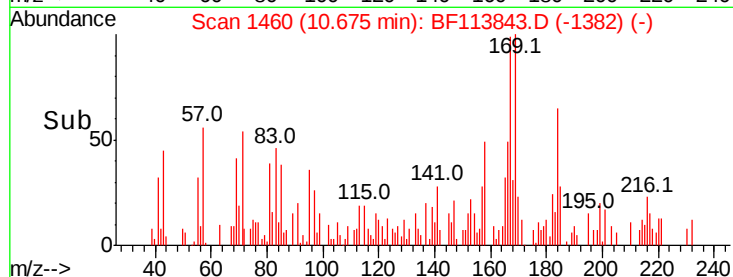
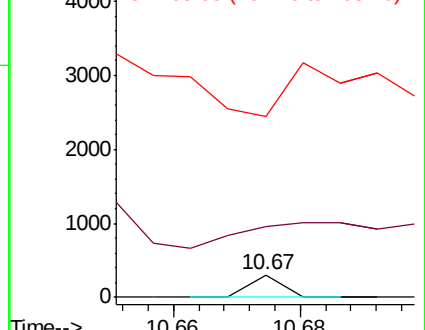
105 794.8 20.7 60.7#



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



#71

Phenanthrene

Concen: 167.810 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.02 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

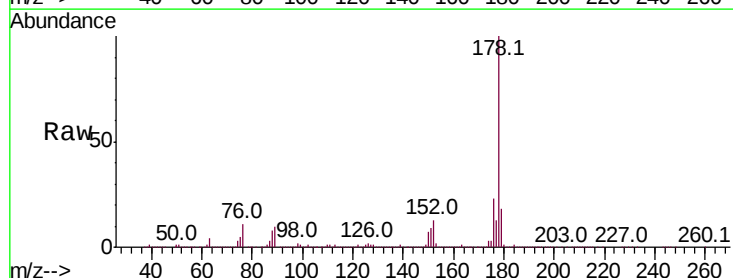
Tgt Ion:178 Resp: 4521029

Ion Ratio Lower Upper

178 100

176 23.0 16.1 24.1

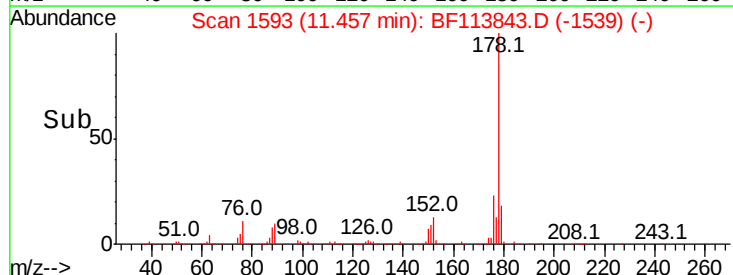
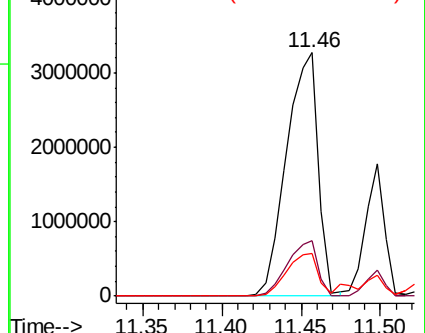
179 17.8 12.8 19.2

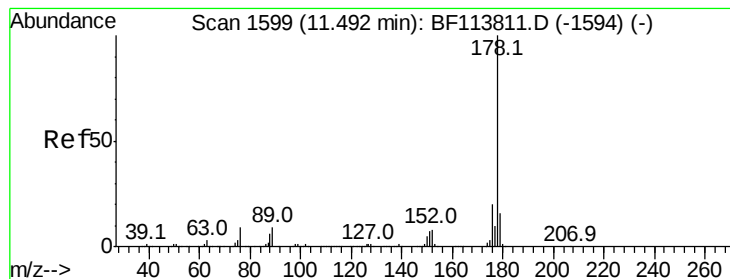


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 53.308 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

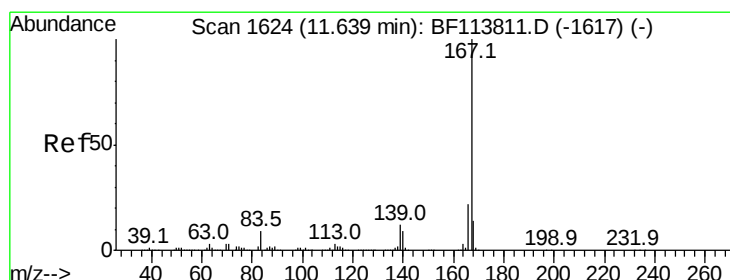
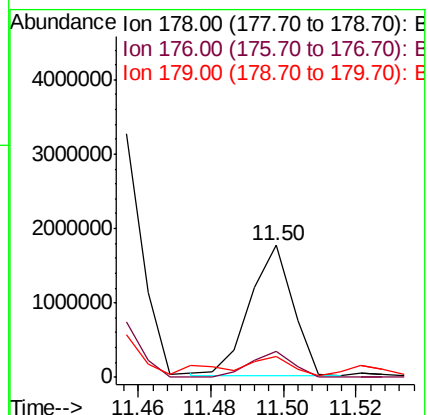
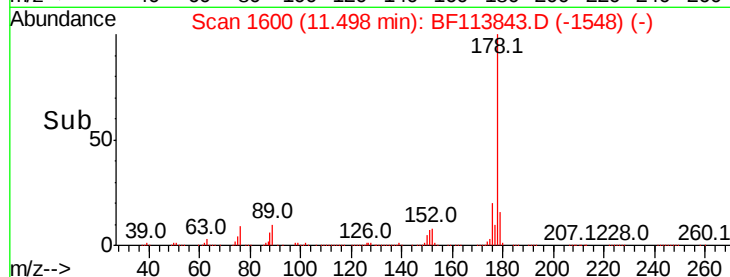
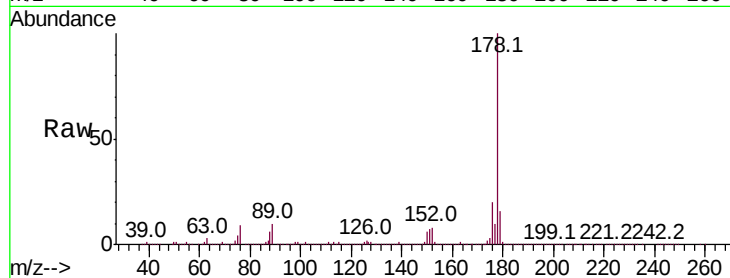
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 1447245

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	16.2	13.0	19.4



#73

Carbazole

Concen: 30.263 ng

RT: 11.64 min Scan# 1624

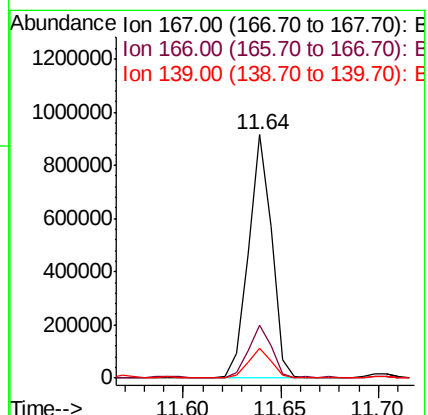
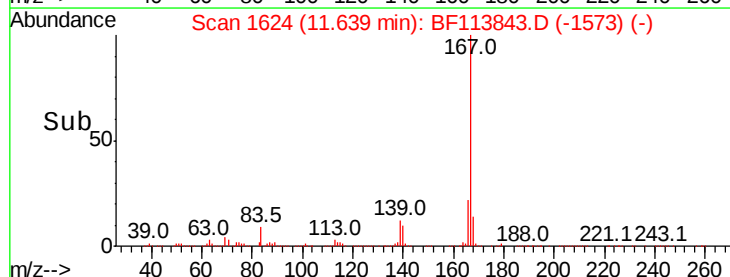
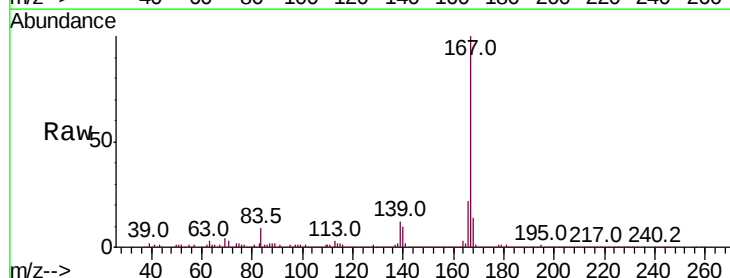
Delta R.T. -0.00 min

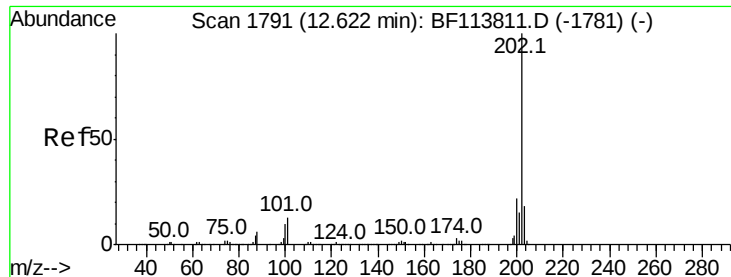
Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Tgt Ion:167 Resp: 745956

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.7	26.5
139	12.5	10.0	15.0





#75

Fluoranthene

Concen: 169.631 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.02 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :

BNA_F

ClientSampleId :

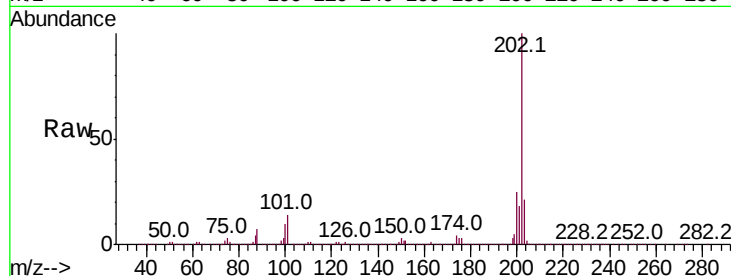
Tot Ion:202 Resp: 4843381

Ion Ratio Lower Upper

202 100

101 13.8 0.0 32.9

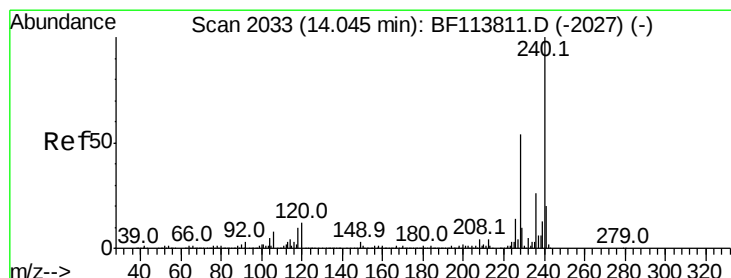
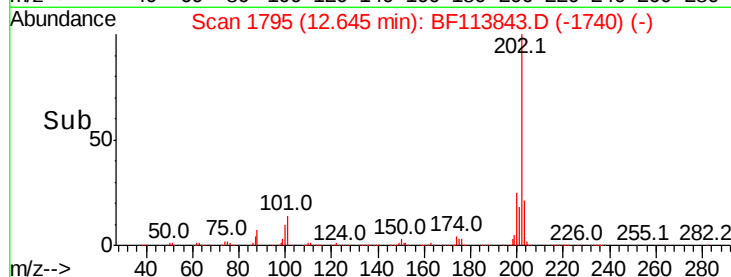
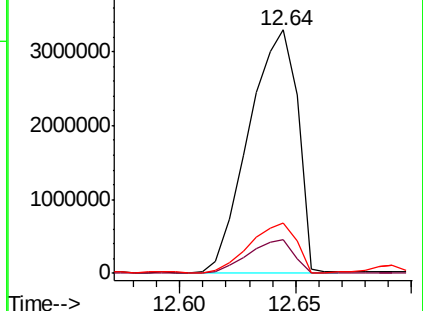
203 20.6 0.0 38.2



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. 0.02 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

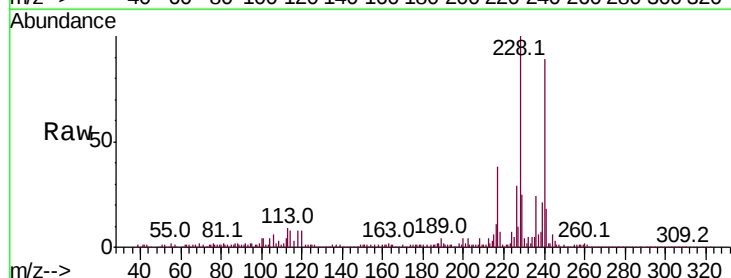
Tgt Ion:240 Resp: 428244

Ion Ratio Lower Upper

240 100

120 9.5 9.3 13.9

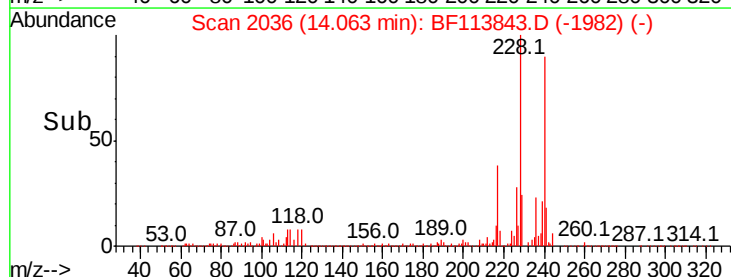
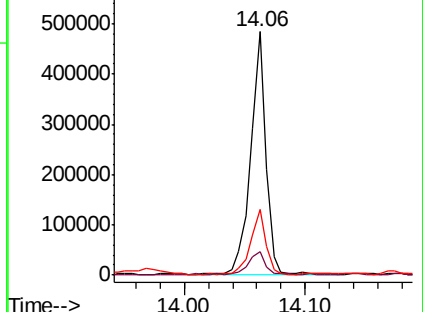
236 27.2 21.2 31.8

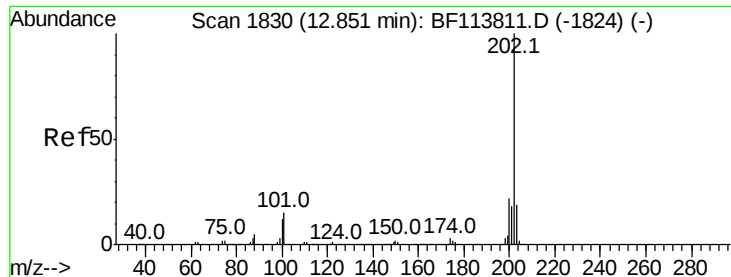


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 148.417 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.02 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :

BNA_F

ClientSampleId :

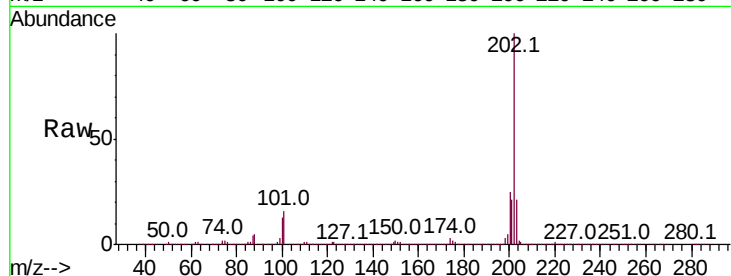
Tot Ion:202 Resp: 4479372

Ion Ratio Lower Upper

202 100

200 24.9 17.7 26.5

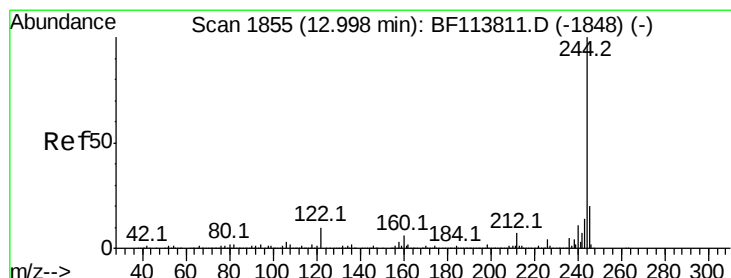
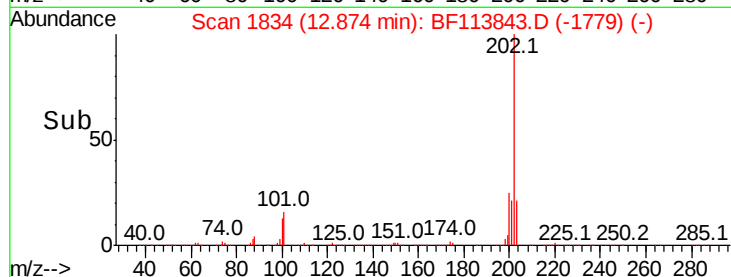
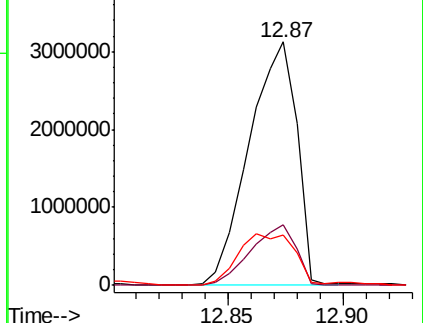
203 20.9 15.0 22.6



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: 68.897 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

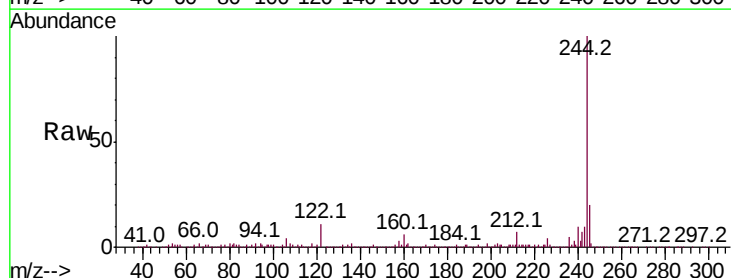
Tgt Ion:244 Resp: 1407040

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

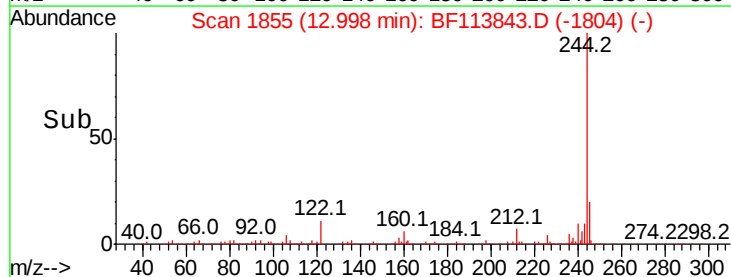
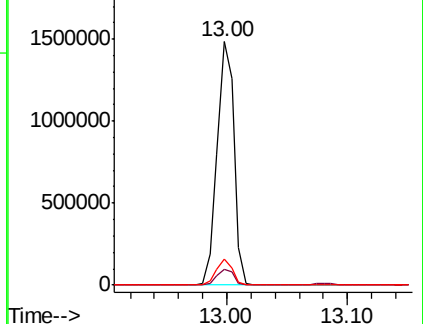
122 10.8 7.6 11.4

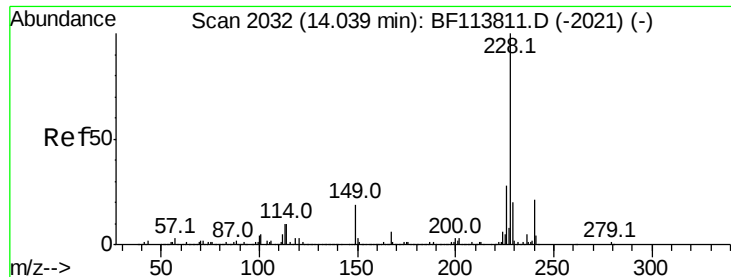


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

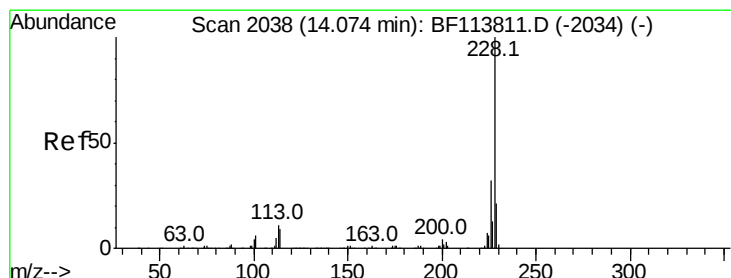
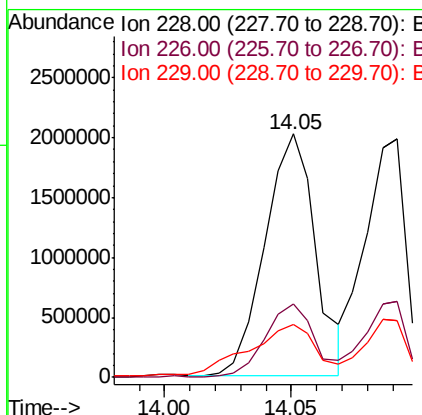
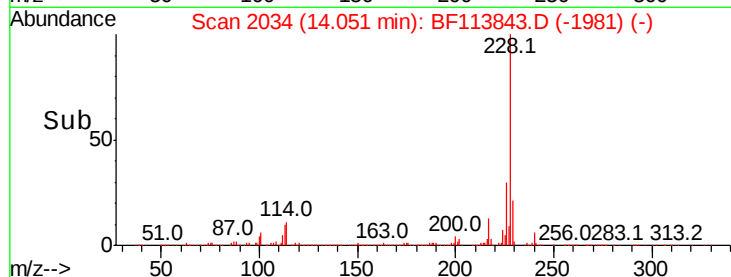
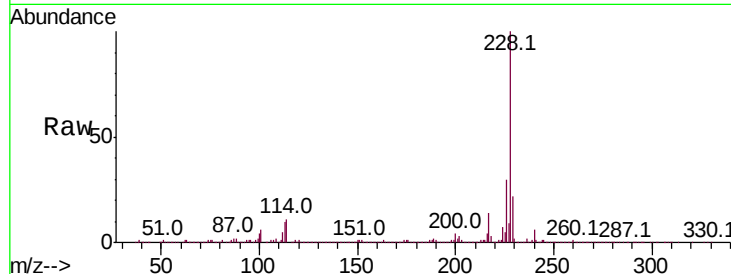




#81
Benzo(a)anthracene
Concen: 112.560 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

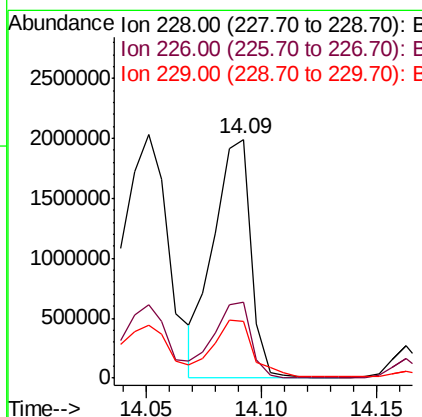
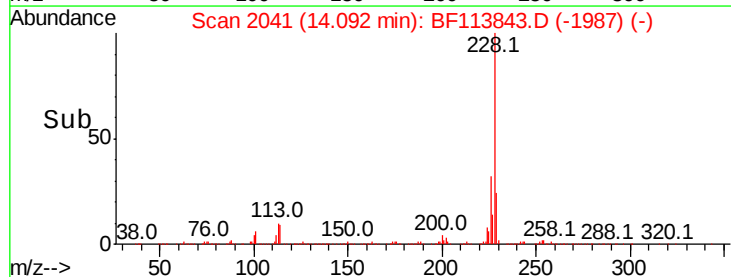
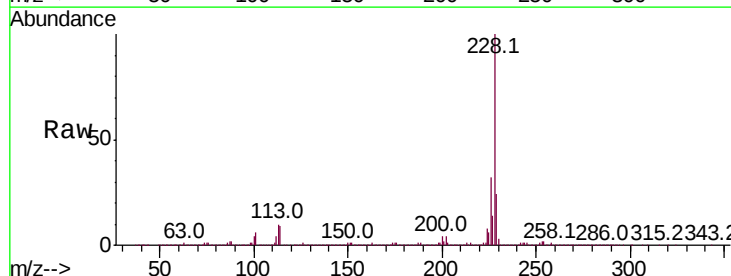
Instrument :
BNA_F
ClientSampled :

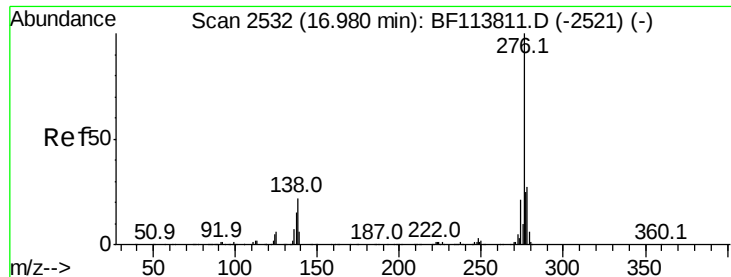
Tot Ion:228 Resp: 2817731
Ion Ratio Lower Upper
228 100
226 30.1 22.2 33.2
229 21.7 16.0 24.0



#83
Chrysene
Concen: 89.631 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:228 Resp: 2227042
Ion Ratio Lower Upper
228 100
226 31.8 25.2 37.8
229 23.8 16.7 25.1

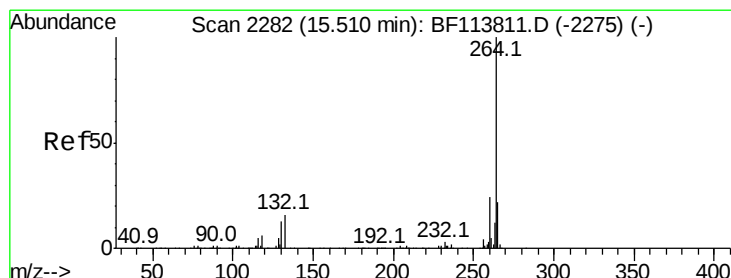
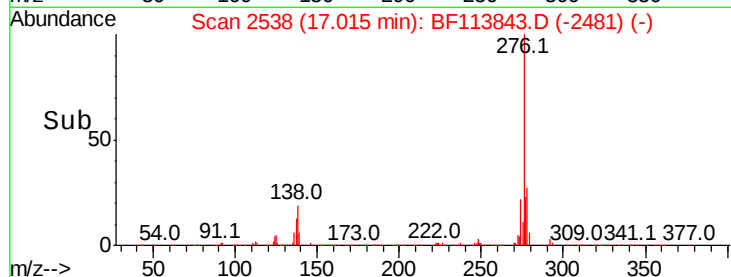
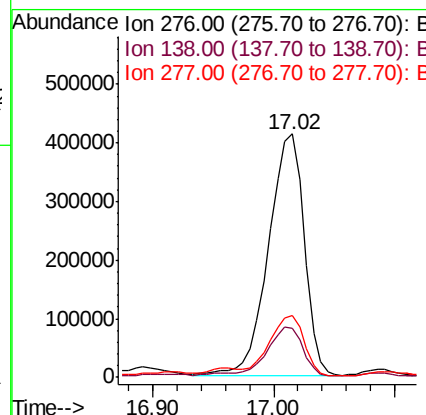
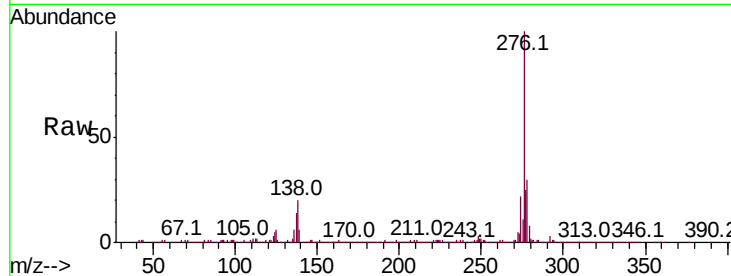




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 41.457 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. 0.04 min
 Lab File: BF113843.D
 Acq: 19 Apr 2019 4:40

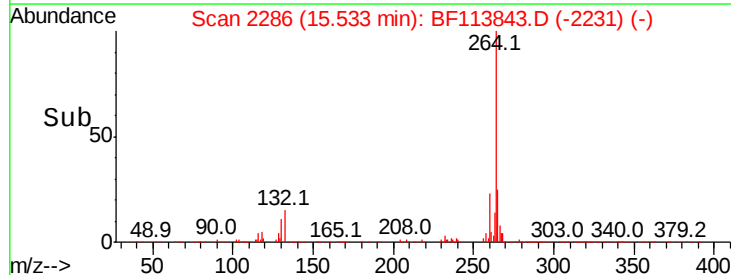
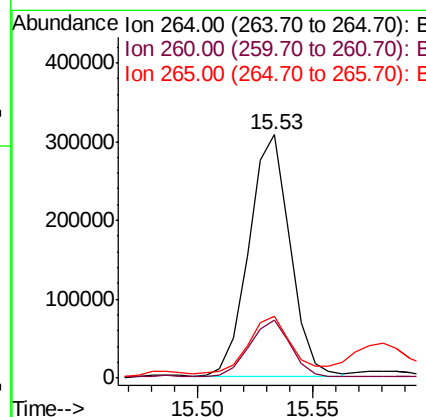
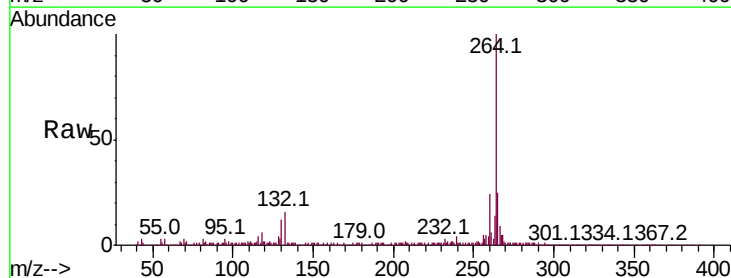
Instrument :
 BNA_F
 ClientSampleId :

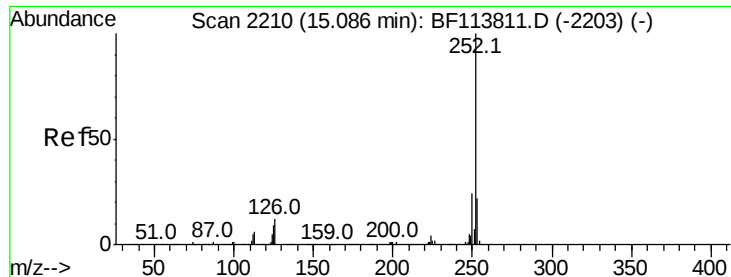
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.6	29.4
277	24.3	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. 0.02 min
 Lab File: BF113843.D
 Acq: 19 Apr 2019 4:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	25.5	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 130.374 ng

RT: 15.11 min Scan# 2214

Delta R.T. 0.02 min

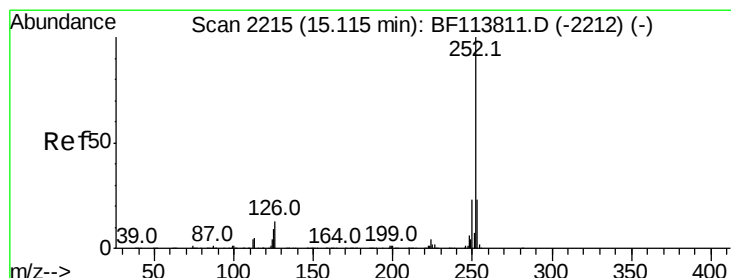
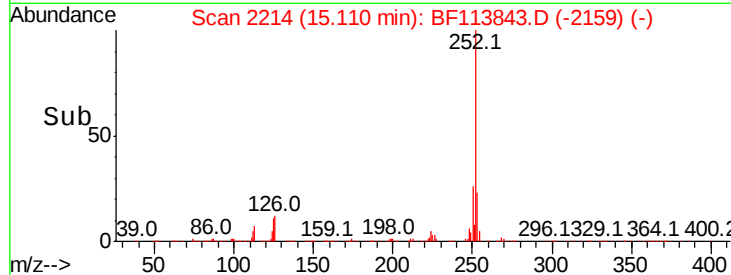
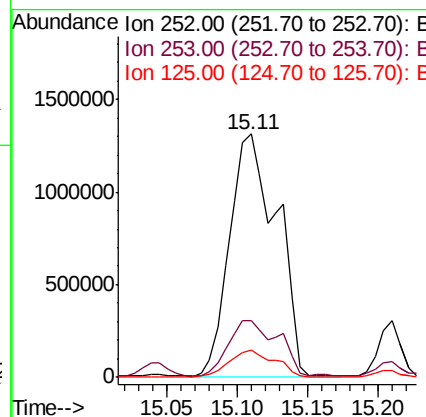
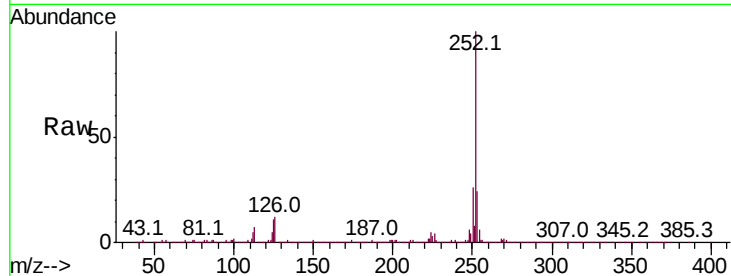
Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 3079817

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	11.0	7.0	10.6#



#89

Benzo(k)fluoranthene

Concen: 143.141 ng

RT: 15.11 min Scan# 2214

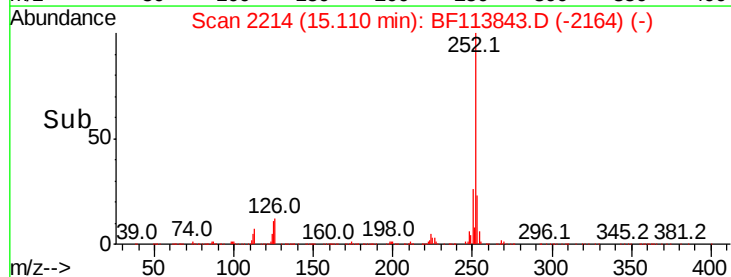
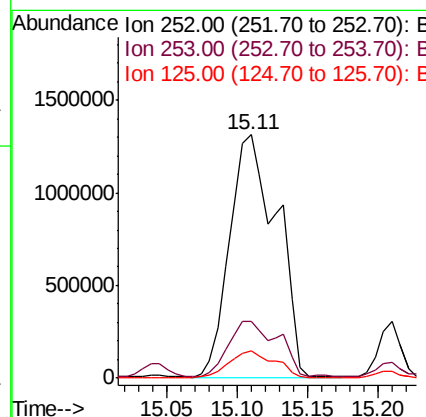
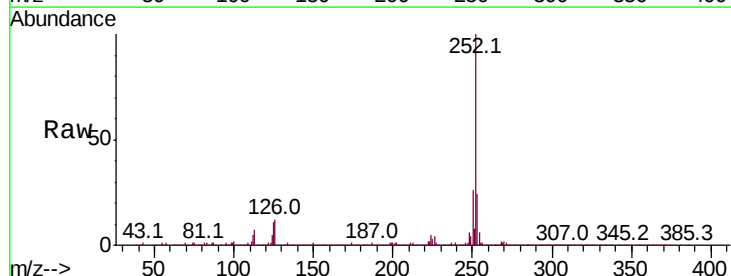
Delta R.T. -0.01 min

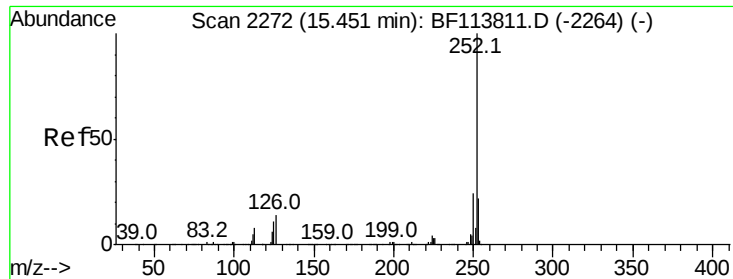
Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Tgt Ion:252 Resp: 3079817

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	11.0	7.4	11.2

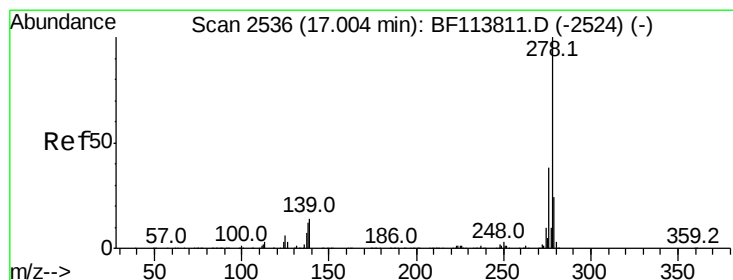
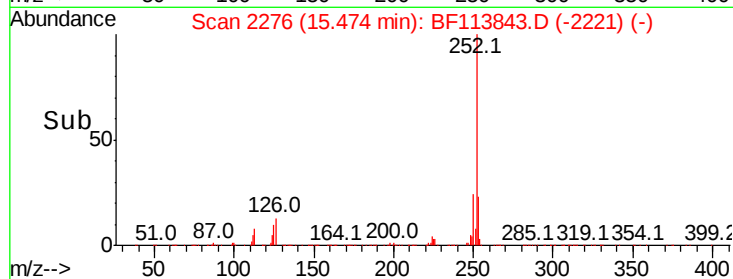
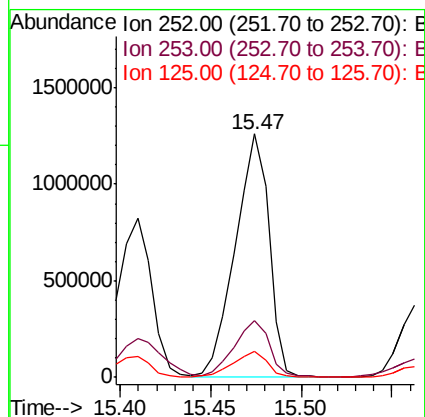
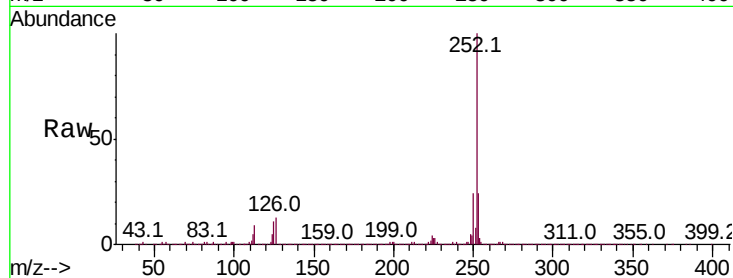




#90
Benzo(a)pyrene
Concen: 77.535 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

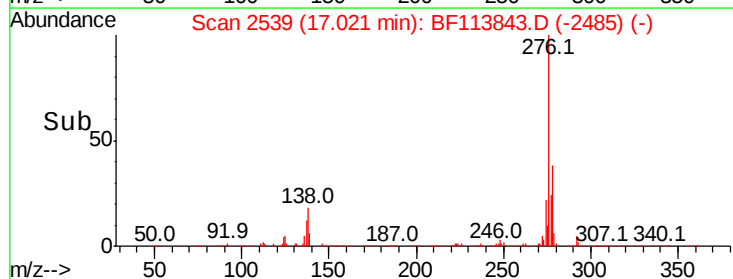
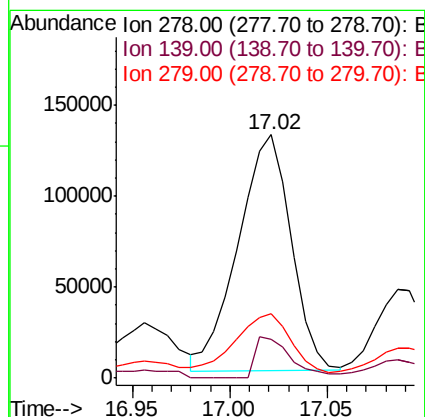
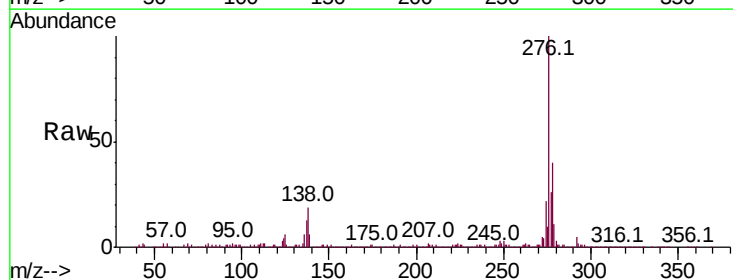
Instrument :
BNA_F
ClientSampleId :

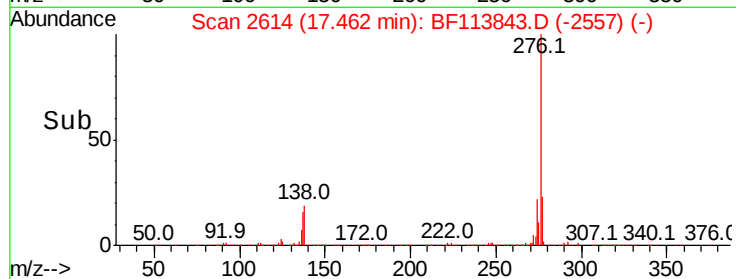
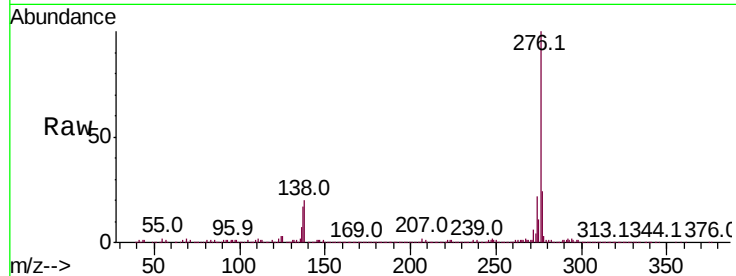
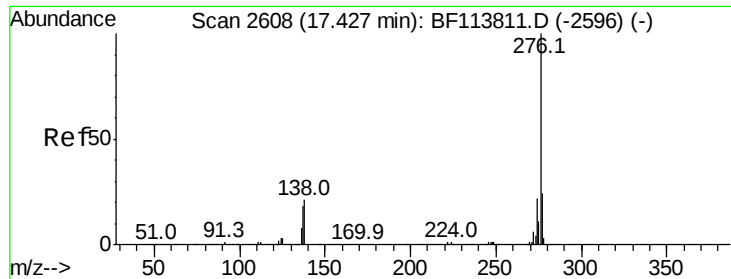
Tot Ion:252 Resp: 1619569
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.6 8.5 12.7



#91
Dibenzo(a,h)anthracene
Concen: 13.087 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:278 Resp: 243237
Ion Ratio Lower Upper
278 100
139 15.8 11.6 17.4
279 26.5 19.0 28.6





#92

Benzo(a,h,i)perylene

Concen: 39.505 ng

RT: 17.46 min Scan# 2614

Delta R.T. 0.04 min

Lab File: BF113843.D

Acq: 19 Apr 2019 4:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 746282

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 19.9 16.6 25.0

