

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
 Data File : BF115057.D
 Acq On : 14 Jun 2019 23:03
 Operator : HP/JU
 Sample : K3351-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 15 04:54:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	312258	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1186123	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	522197	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	864417	20.00	ng	0.00
76) Chrysene-d12	13.77	240	535726	20.00	ng	-0.01
87) Perylene-d12	15.14	264	591898	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1495789	79.99	ng	0.00
7) Phenol-d6	6.29	99	1827196	81.00	ng	0.00
23) Nitrobenzene-d5	7.21	82	1091639	55.40	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	390536	69.84	ng	-0.01
45) 2-Fluorobiphenyl	9.00	172	1784744	57.93	ng	0.00
79) Terphenyl-d14	12.73	244	1373073	48.21	ng	-0.01

Target Compounds

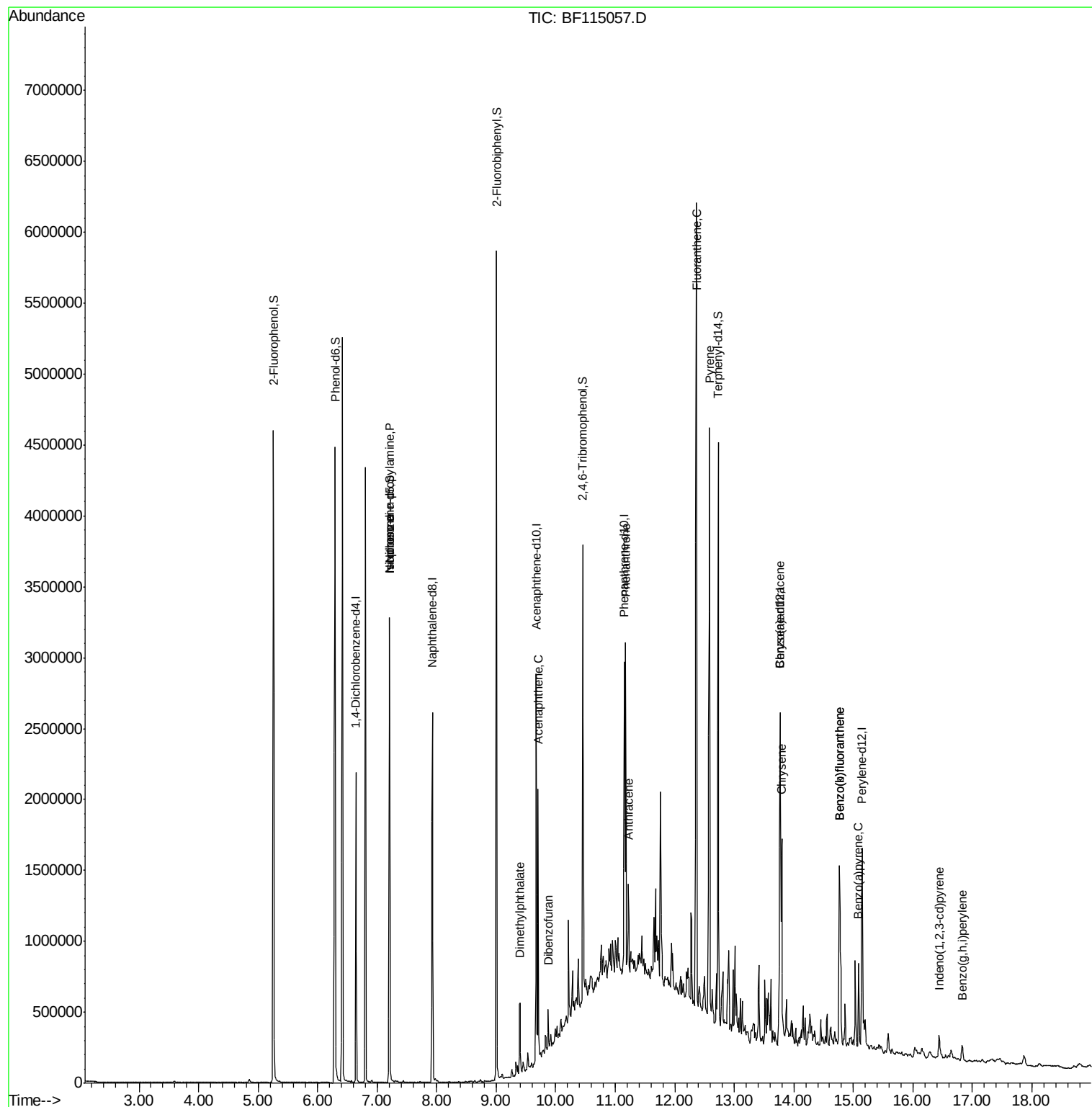
						Qvalue
9) Benzaldehyde	6.29	77	2794	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.21	70	142849	10.423 ng	#	77
25) Isophorone	7.21	82	1067580	28.926 ng	#	62
50) Dimethylphthalate	9.40	163	221734	5.646 ng		98
52) Acenaphthene	9.70	154	386694	12.991 ng		97
55) Dibenzofuran	9.87	168	90777	2.023 ng		96
58) Fluorene	10.22	166	172692	Below Cal		98
61) 4-Chlorophenyl-phenylether	10.23	204	1861	Below Cal	#	1
71) Phenanthrene	11.17	178	881524	19.751 ng		98
72) Anthracene	11.22	178	231280	5.137 ng		98
75) Fluoranthene	12.36	202	2557828	56.047 ng		100
78) Pyrene	12.59	202	1939891	39.749 ng		99
81) Benzo(a)anthracene	13.76	228	617175	15.395 ng		98
83) Chrysene	13.80	228	636308	15.961 ng		96
86) Indeno(1,2,3-cd)pyrene	16.44	276	100109	2.859 ng		96
88) Benzo(b)fluoranthene	14.77	252	836385	21.257 ng		99
89) Benzo(k)fluoranthene	14.77	252	836385	24.217 ng		97
90) Benzo(a)pyrene	15.09	252	259239	7.635 ng		99
92) Benzo(a,h,i)perylene	16.83	276	78811	2.643 ng		96

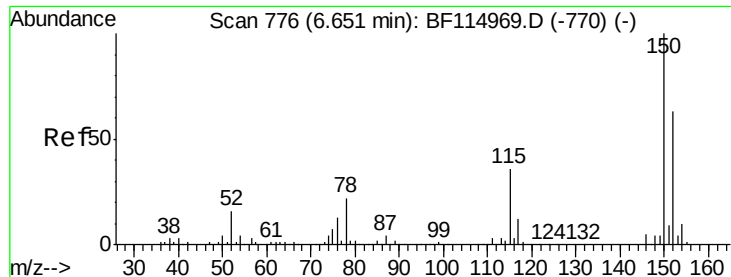
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 15 04:54:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 15:42:37 2019
Response via : Initial Calibration



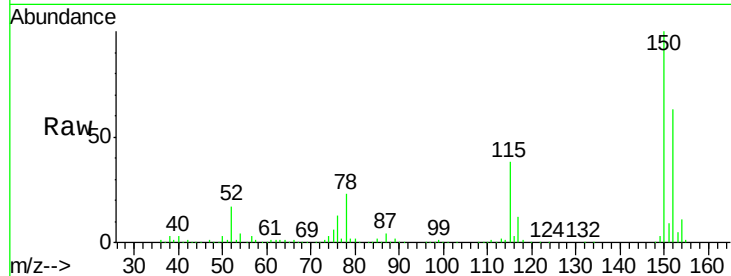


#1

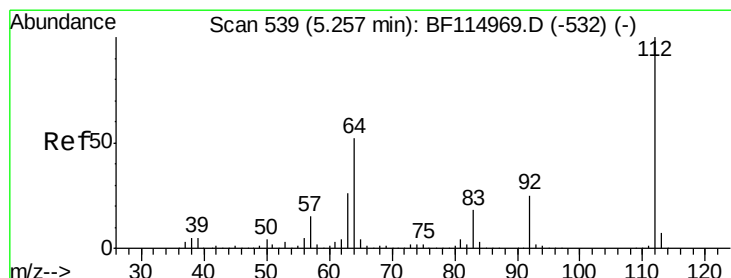
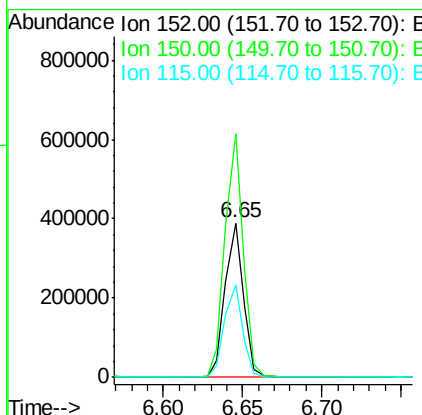
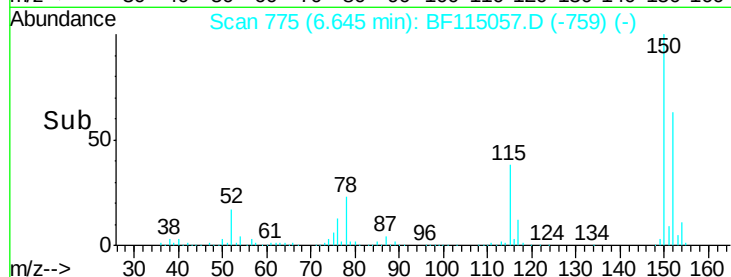
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	127.4	191.0
115	59.6	46.0	69.0



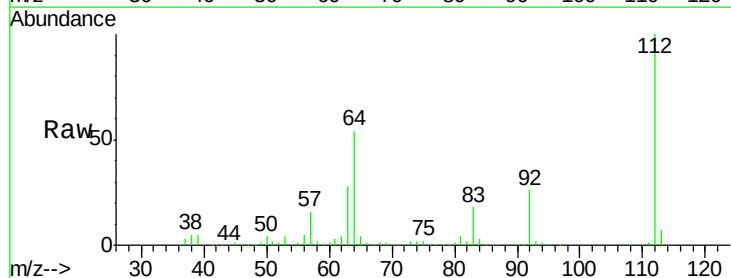
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



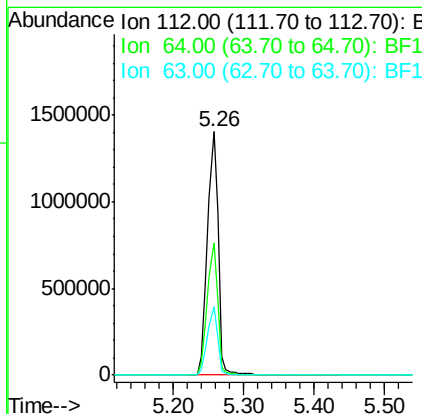
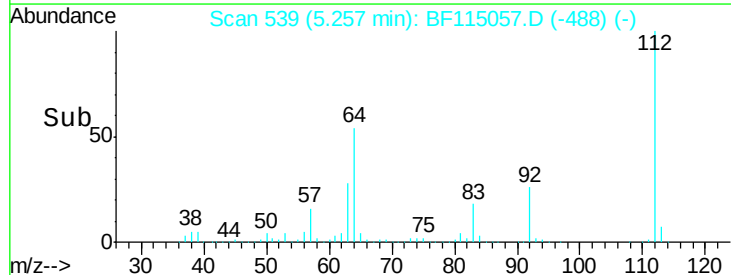
#5

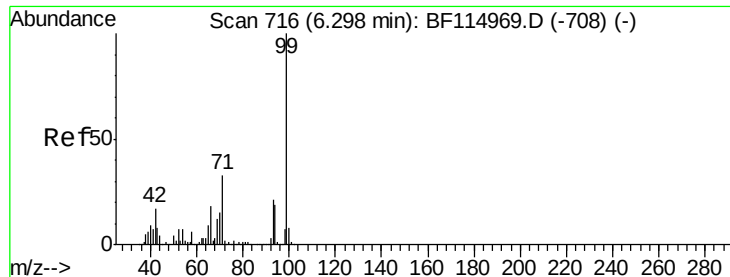
2-Fluorophenol
Concen: 79.987 ng
RT: 5.26 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	41.6	62.4
63	27.9	20.9	31.3



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: 81.000 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

Instrument :

BNA_F

ClientSampleId :

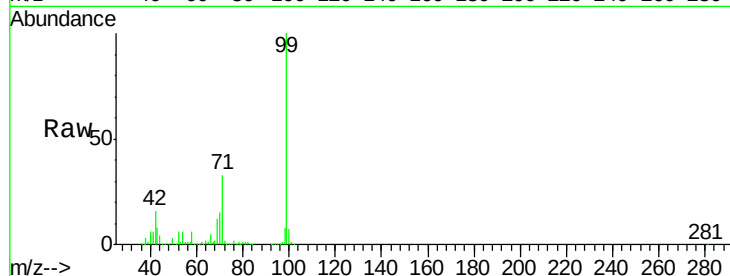
Tot Ion: 99 Resp: 1827196

Ion Ratio Lower Upper

99 100

42 16.3 13.4 20.2

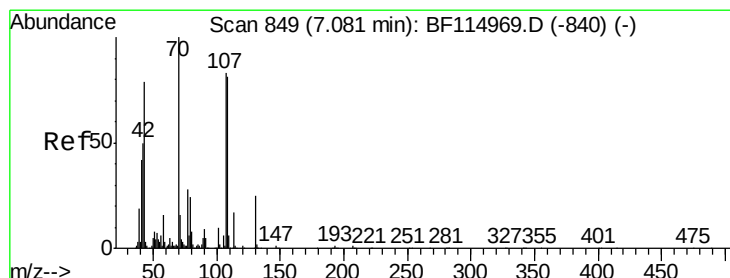
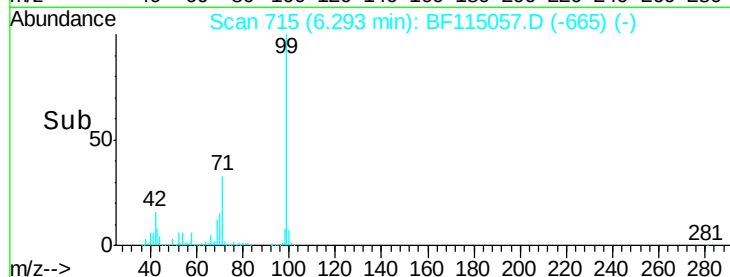
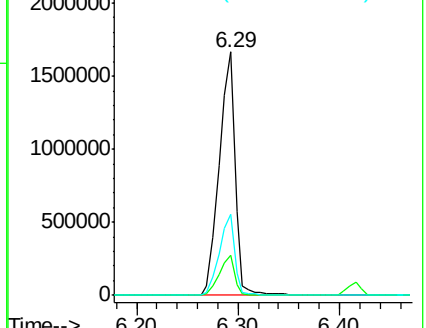
71 33.5 26.4 39.6



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: 10.423 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.13 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

Tgt Ion: 70 Resp: 142849

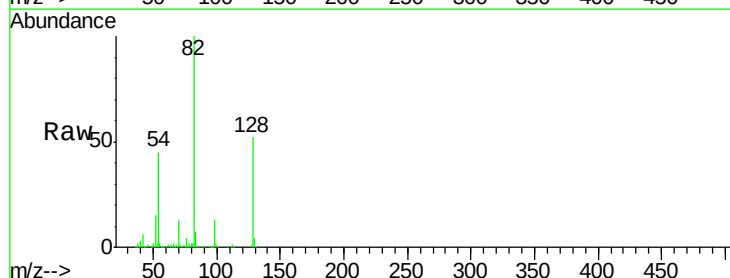
Ion Ratio Lower Upper

70 100

42 42.7 40.3 60.5

101 0.0 8.2 12.4#

130 2.2 20.3 30.5#

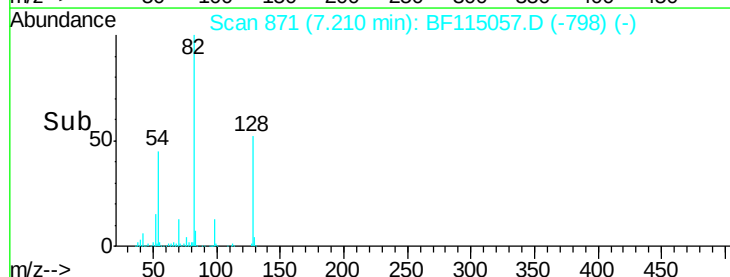
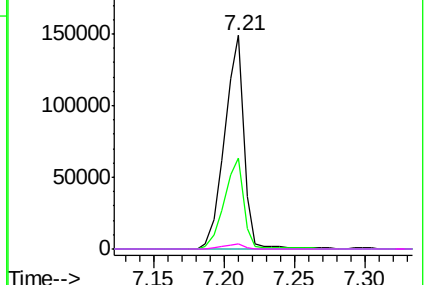


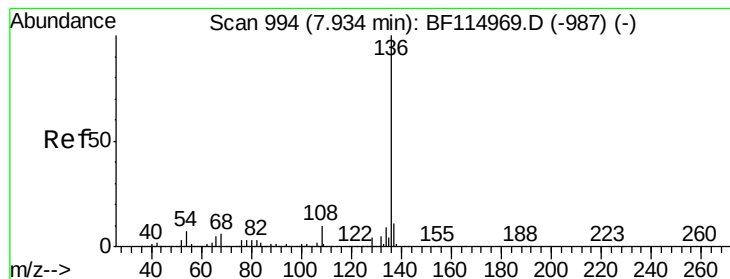
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1186123

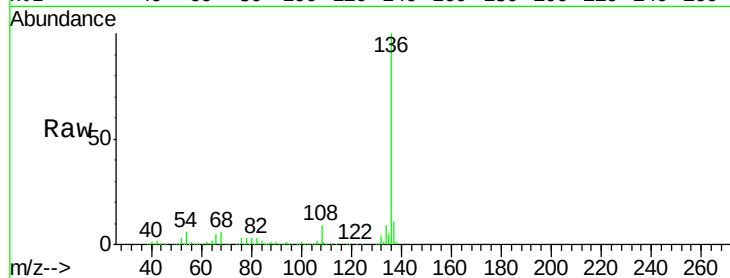
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.3 5.4 8.0

68 5.5 4.6 7.0

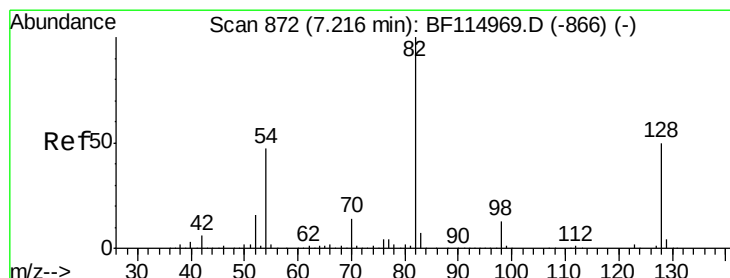
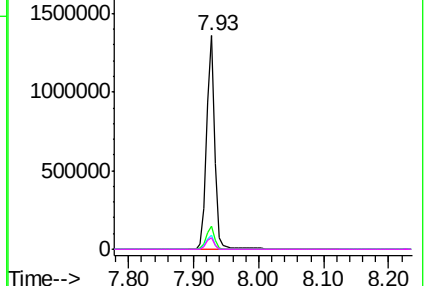
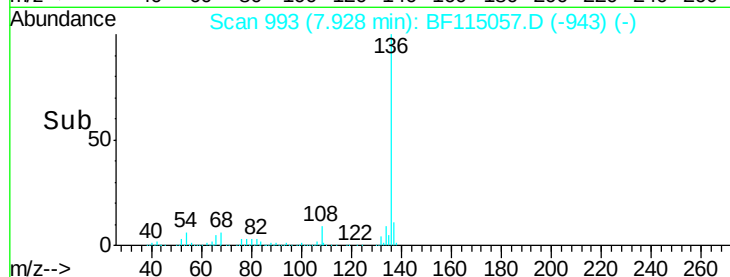


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.397 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

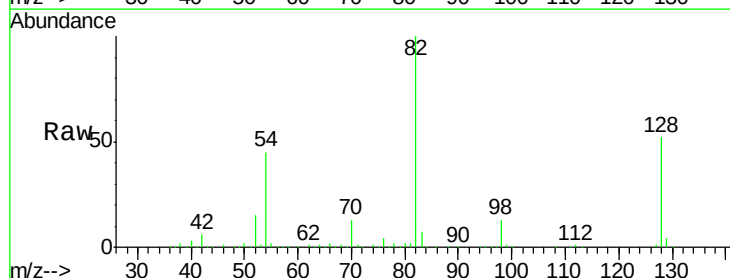
Tgt Ion: 82 Resp: 1091639

Ion Ratio Lower Upper

82 100

128 52.1 39.9 59.9

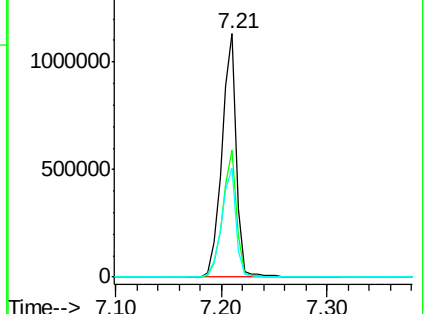
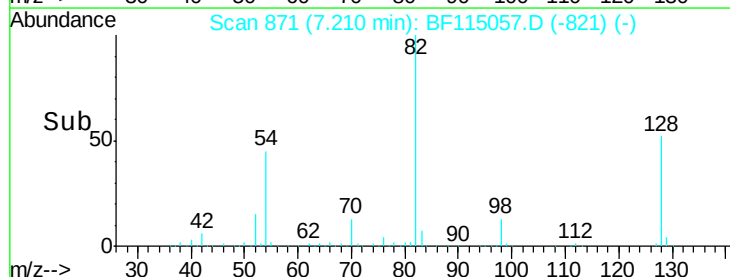
54 45.1 37.3 55.9

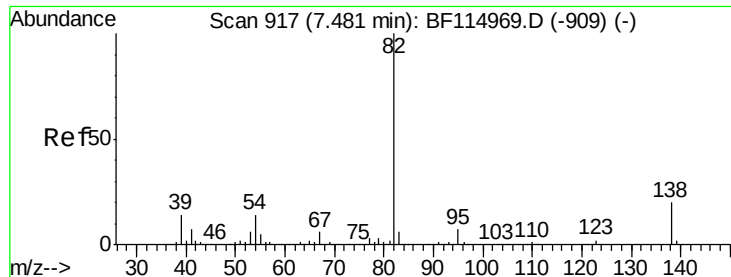


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.926 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.27 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

Instrument :

BNA_F

ClientSampleId :

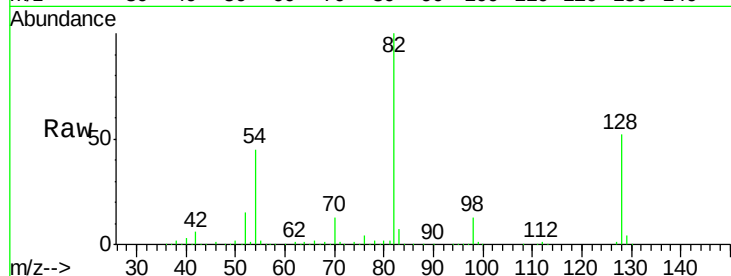
Tot Ion: 82 Resp: 1067580

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

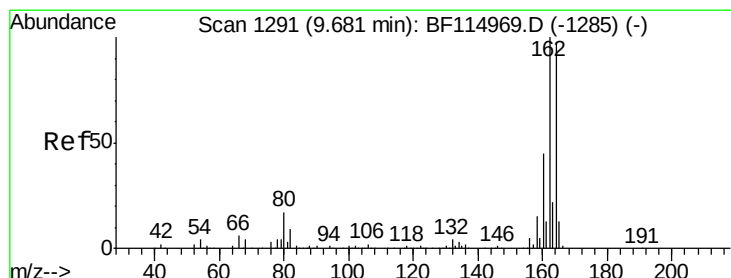
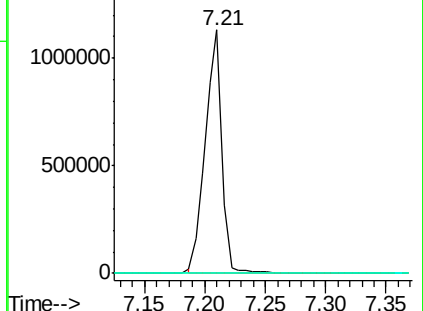
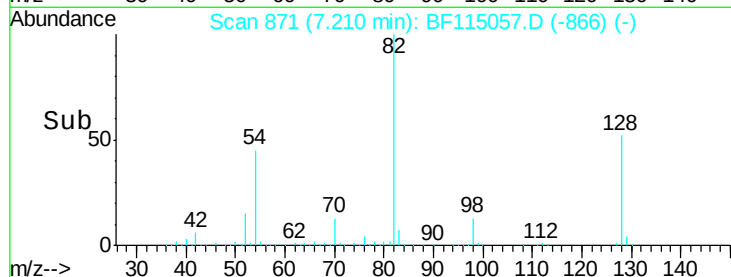
138 0.0 16.1 24.1#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

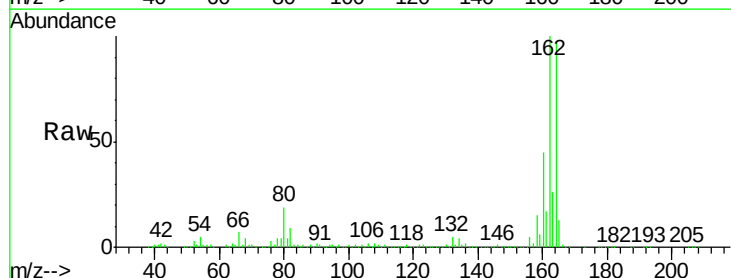
Tgt Ion:164 Resp: 522197

Ion Ratio Lower Upper

164 100

162 103.2 82.6 124.0

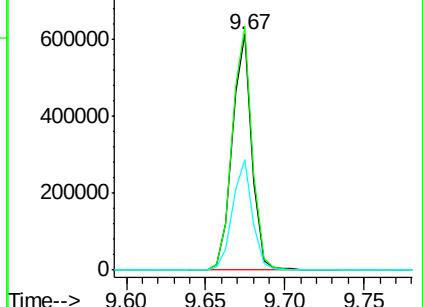
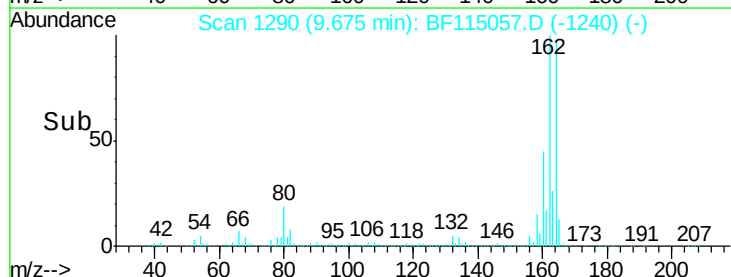
160 46.7 36.9 55.3

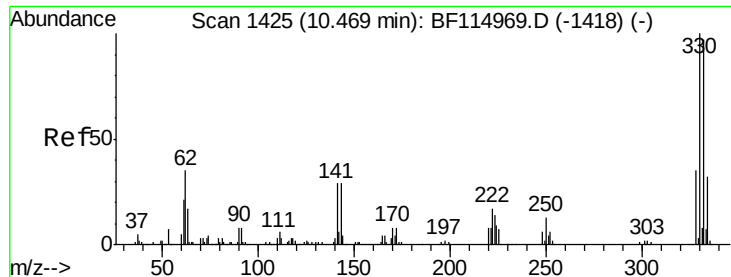


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 69.838 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

Instrument :

BNA_F

ClientSampleId :

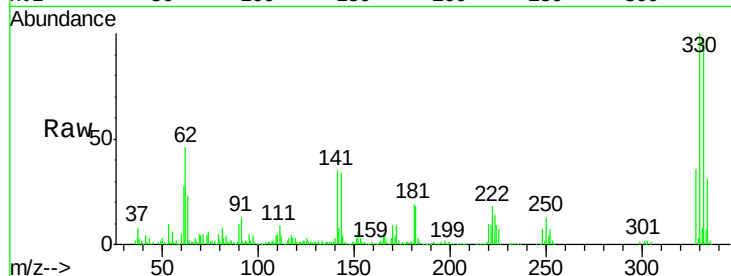
Tot Ion:330 Resp: 390536

Ion Ratio Lower Upper

330 100

332 96.5 77.6 116.4

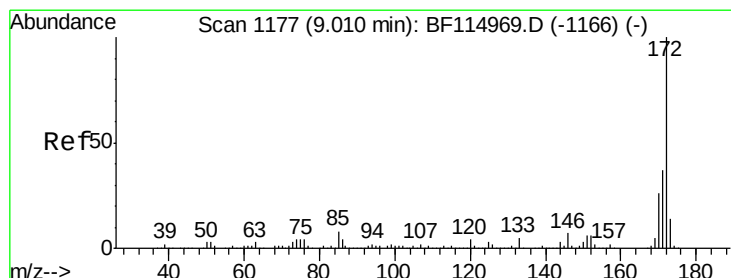
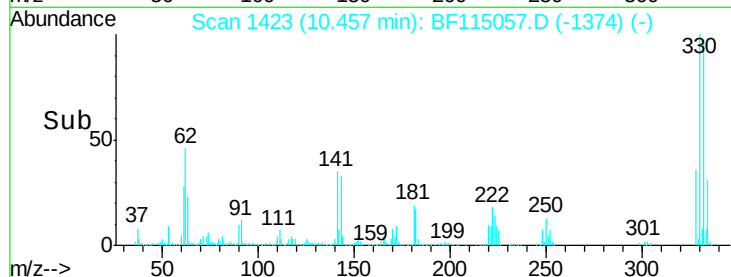
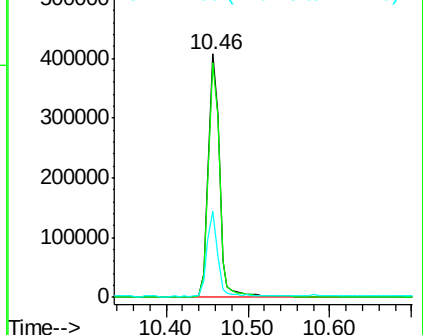
141 34.4 27.2 40.8



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: 57.925 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

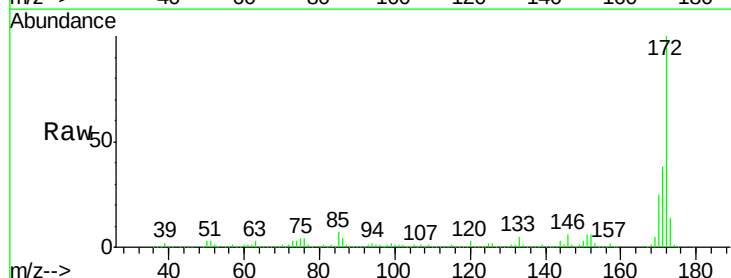
Tgt Ion:172 Resp: 1784744

Ion Ratio Lower Upper

172 100

171 37.6 29.8 44.6

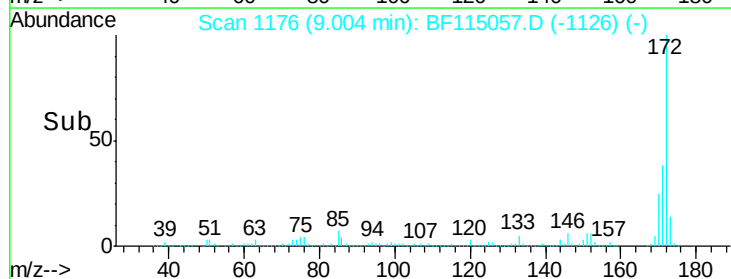
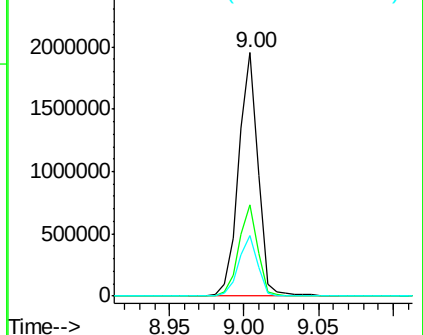
170 25.1 20.6 31.0

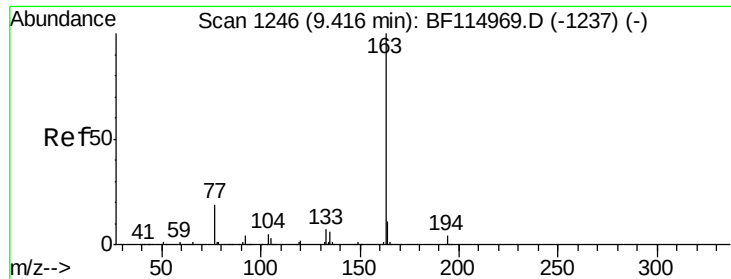


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

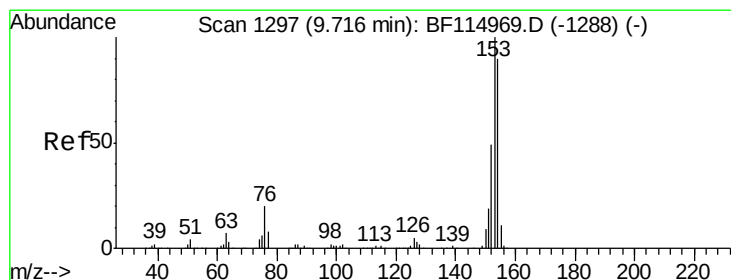
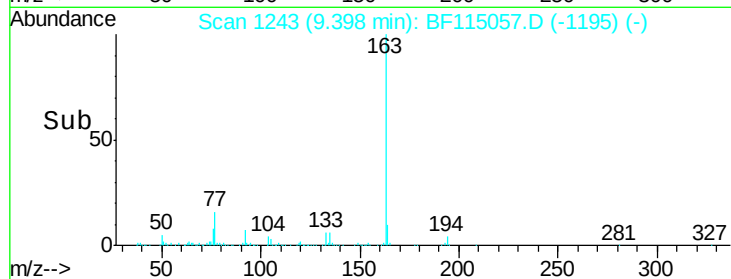
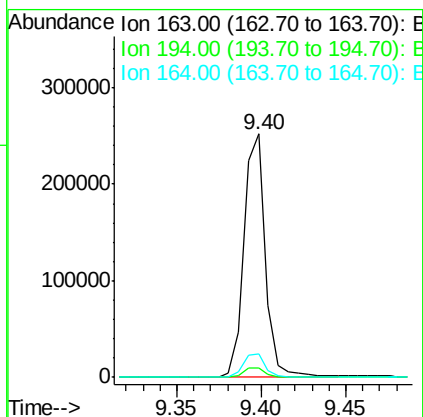
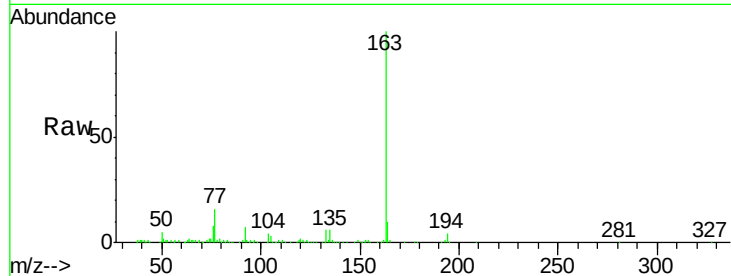




#50
Dimethylphthalate
Concen: 5.646 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

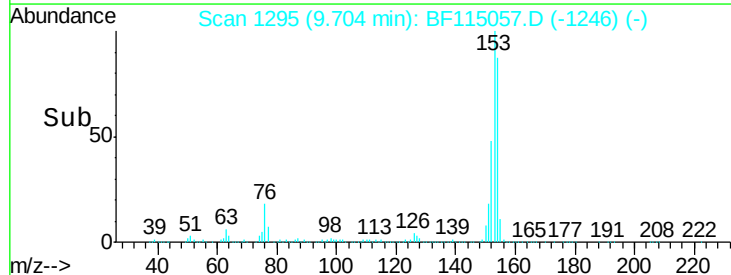
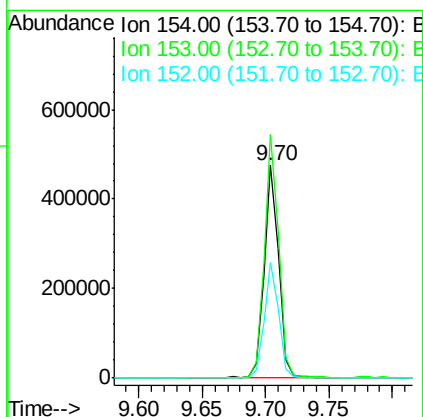
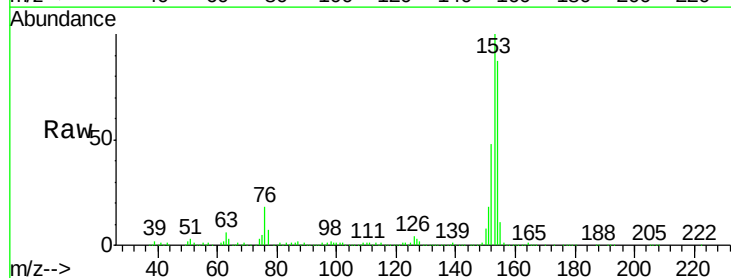
Instrument :
BNA_F
ClientSampleId :

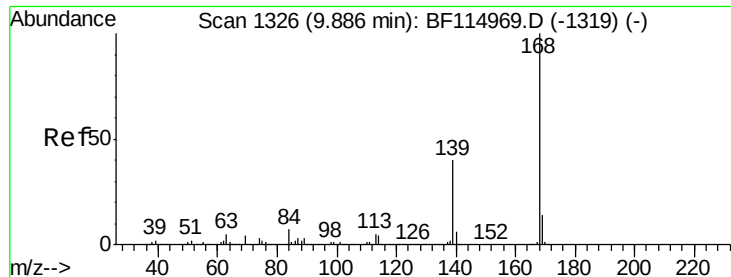
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.8	8.6	12.8



#52
Acenaphthene
Concen: 12.991 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.6	88.5	132.7
152	54.6	43.6	65.4

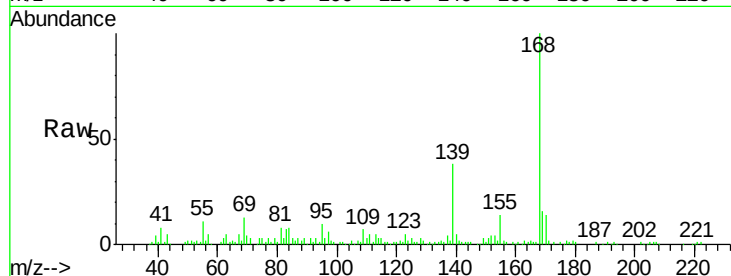




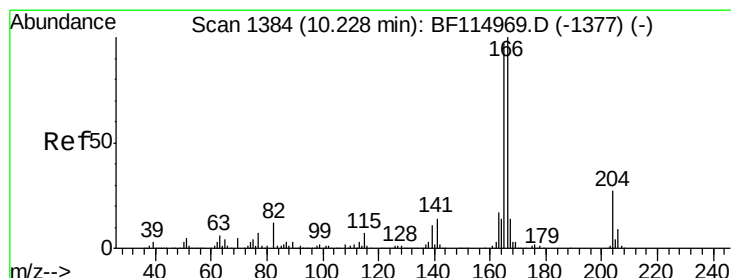
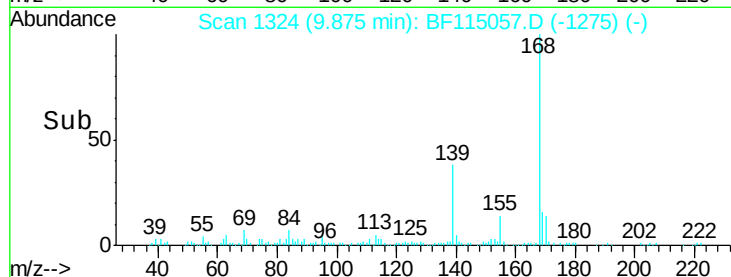
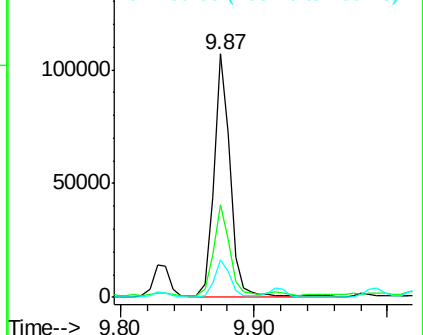
#55
Dibenzofuran
Concen: 2.023 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 90777
Ion Ratio Lower Upper
168 100
139 38.0 32.5 48.7
169 15.5 11.5 17.3

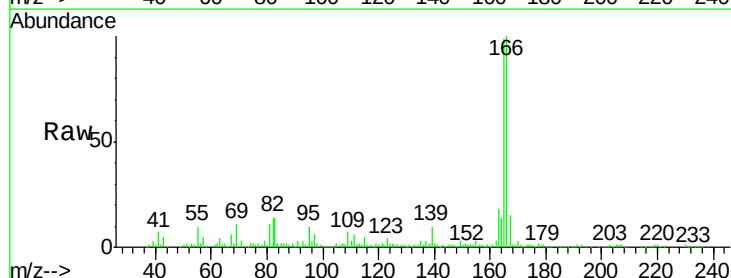


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

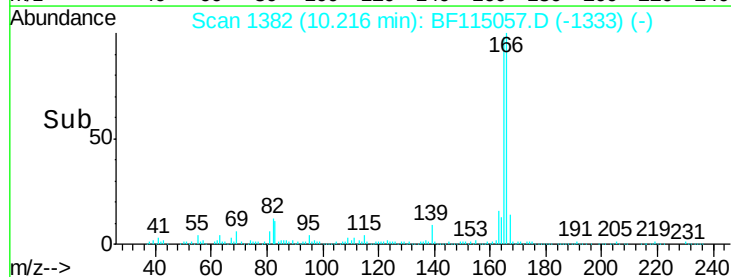
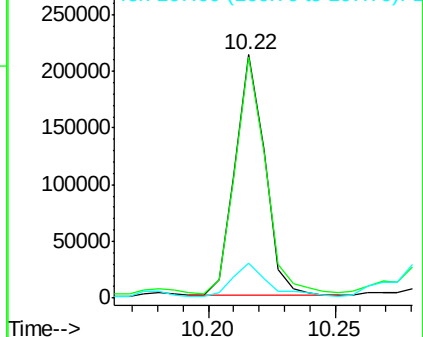


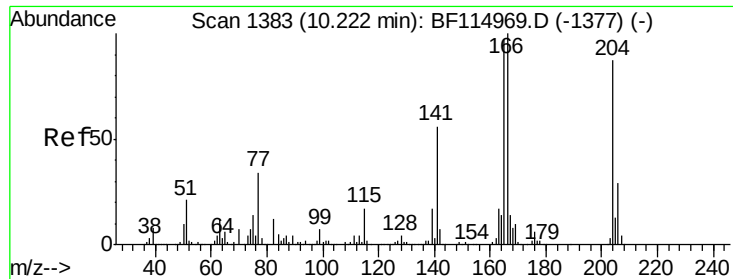
#58
Fluorene
Concen: Below Cal
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

Tgt Ion:166 Resp: 172692
Ion Ratio Lower Upper
166 100
165 99.2 77.6 116.4
167 14.5 11.0 16.4



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

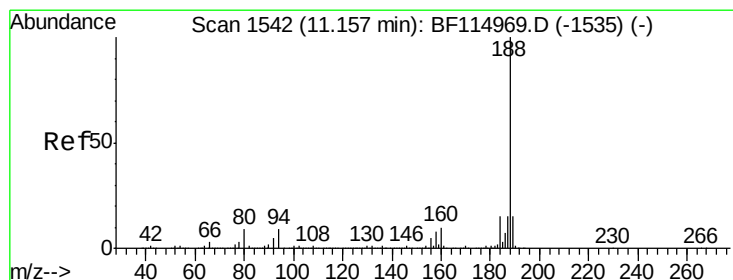
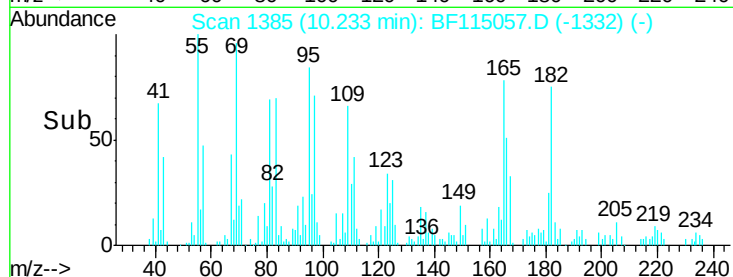
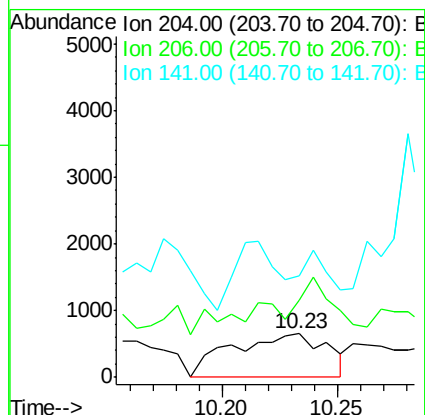
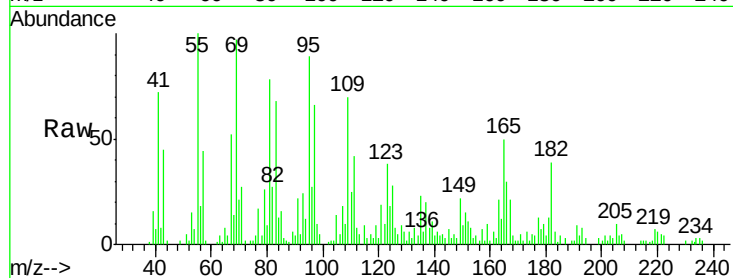




#61
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.23 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

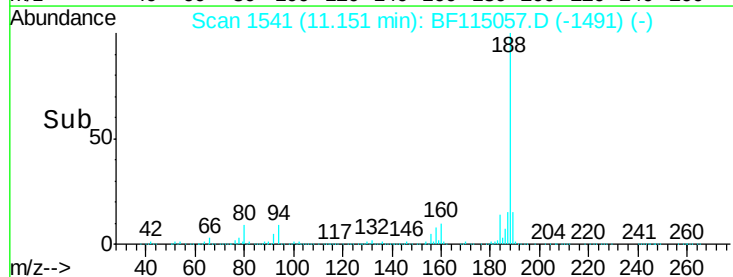
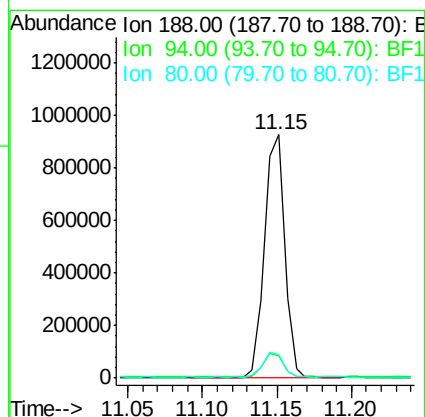
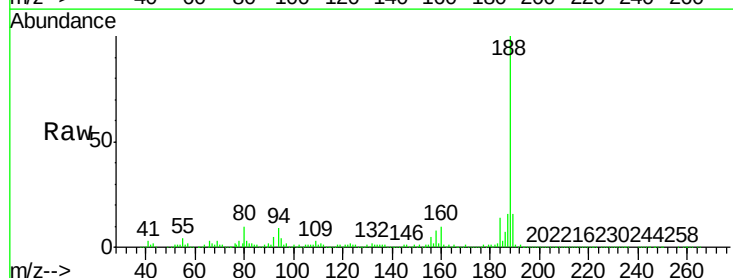
Instrument :
BNA_F
ClientSampled :

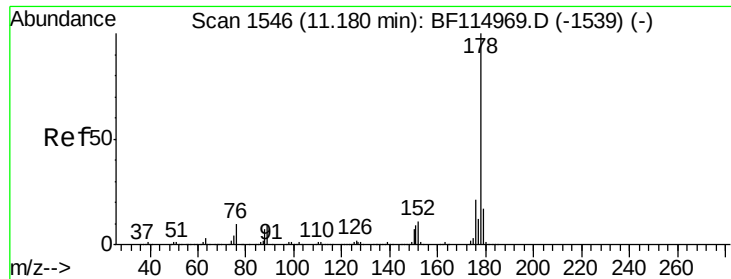
Tot Ion:204 Resp: 1861
Ion Ratio Lower Upper
204 100
206 175.1 26.5 39.7#
141 232.4 51.8 77.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

Tgt Ion:188 Resp: 864417
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 9.5 7.4 11.2





#71

Phenanthrene

Concen: 19.751 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

Instrument :

BNA_F

ClientSampleId :

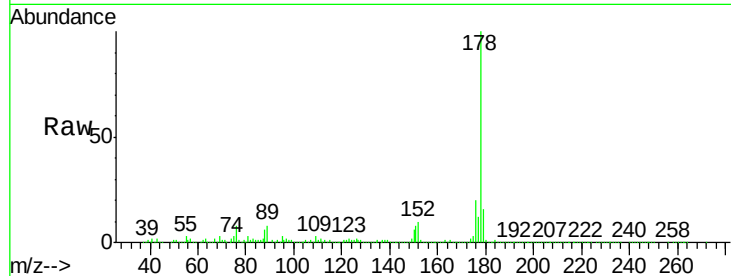
Tot Ion:178 Resp: 881524

Ion Ratio Lower Upper

178 100

176 19.6 16.9 25.3

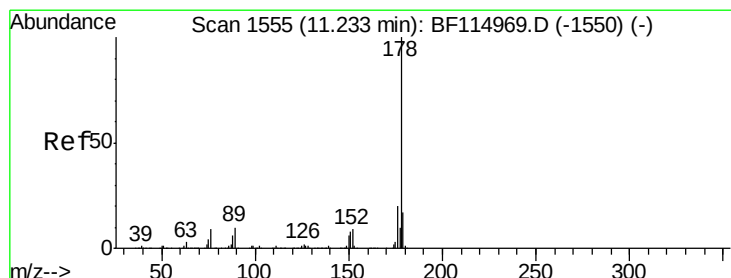
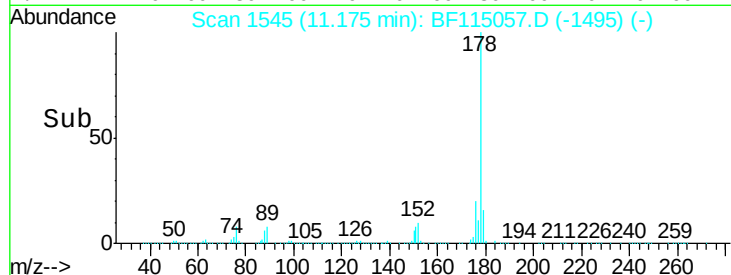
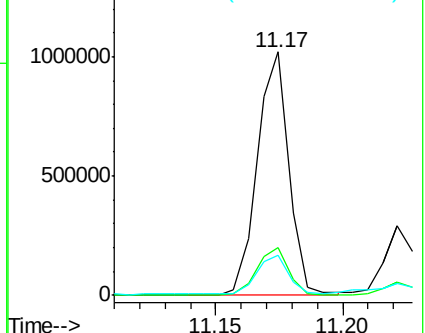
179 16.3 13.4 20.0



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: 5.137 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

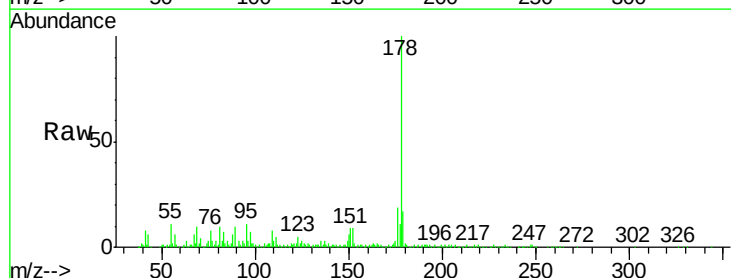
Tgt Ion:178 Resp: 231280

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

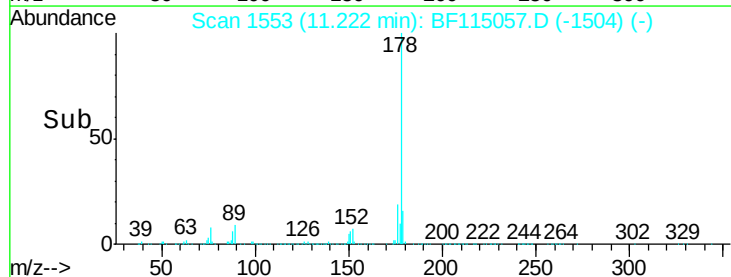
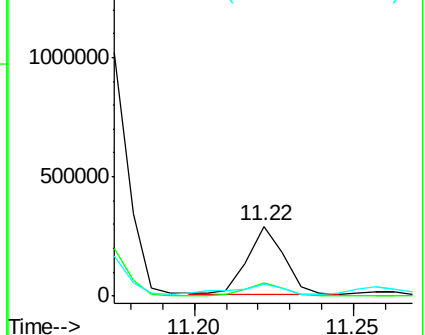
179 16.8 13.2 19.8

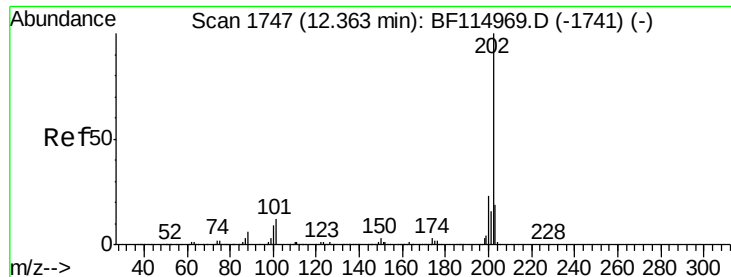


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 56.047 ng

RT: 12.36 min Scan# 1747

Delta R.T. 0.00 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

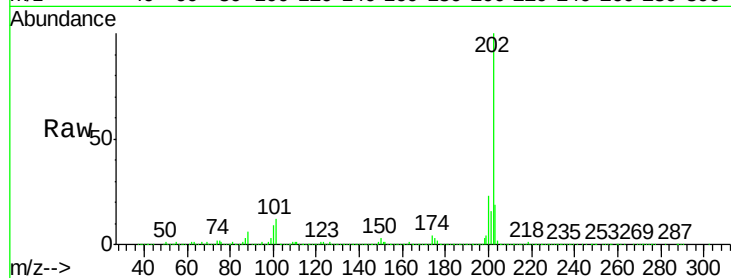
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 2557828

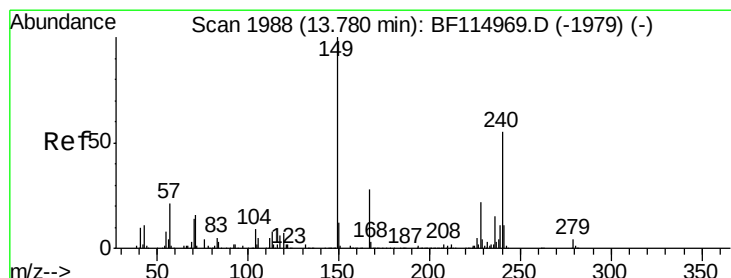
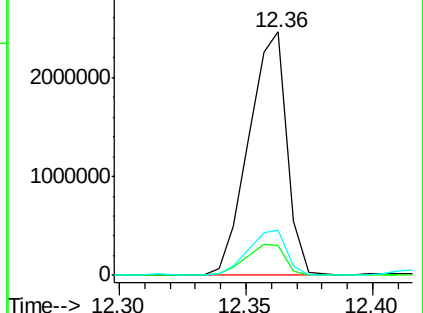
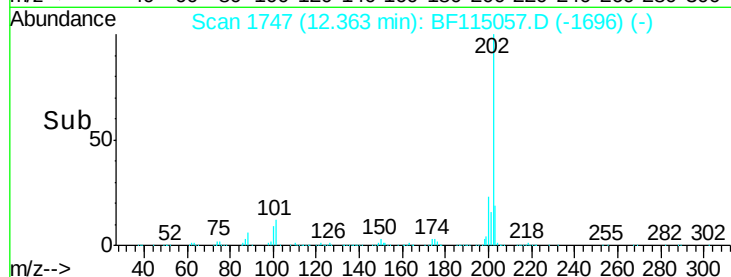
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.4
203	18.7	0.0	38.6



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: 13.77 min Scan# 1986

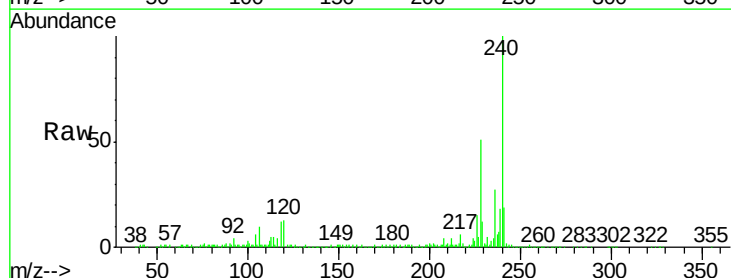
Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

Tgt Ion:240 Resp: 535726

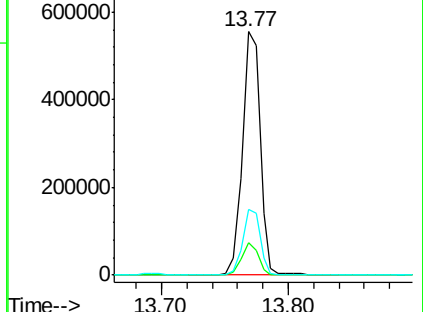
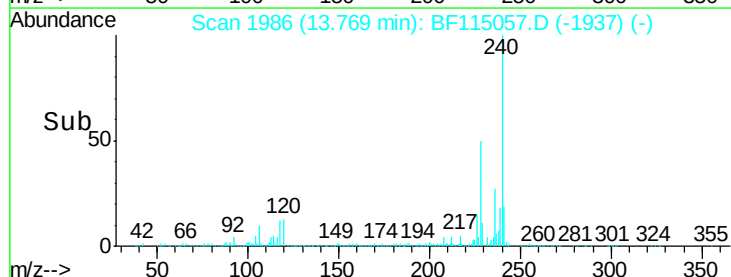
Ion	Ratio	Lower	Upper
240	100		
120	13.3	10.0	15.0
236	26.8	21.6	32.4

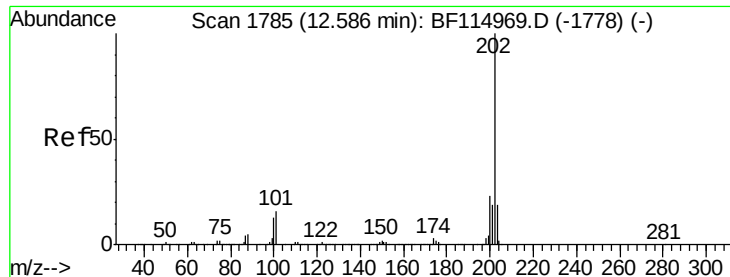


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

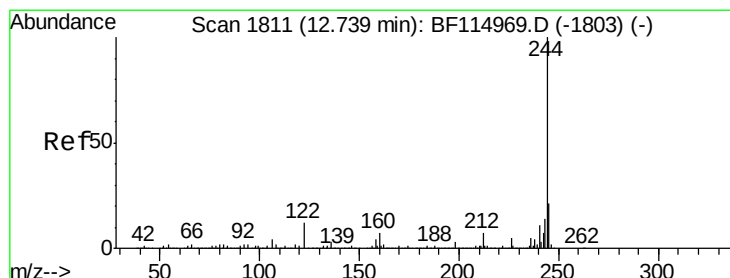
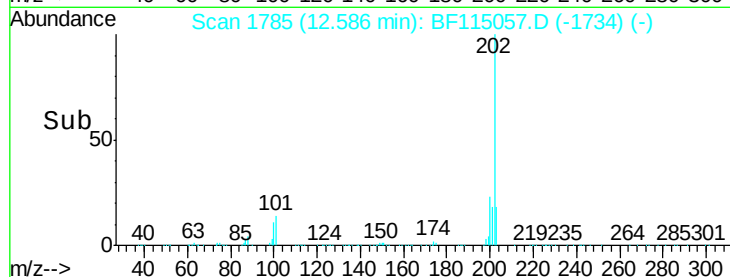
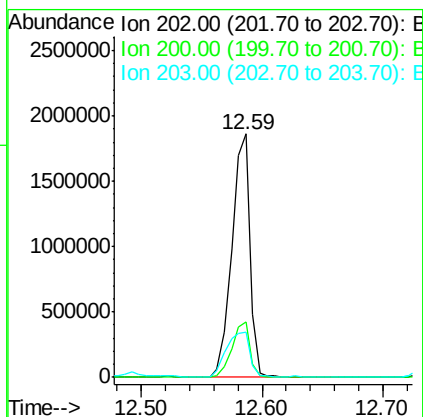
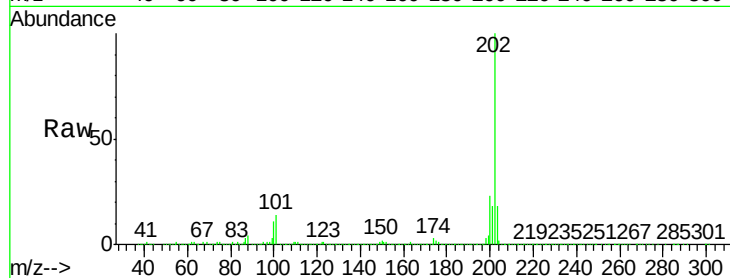




#78
Pvrene
Concen: 39.749 ng
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

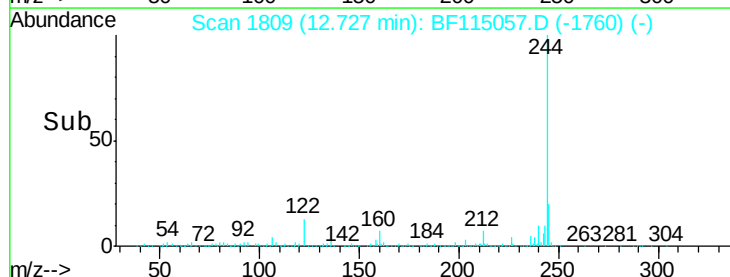
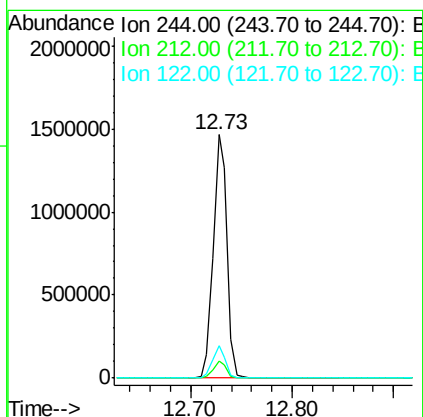
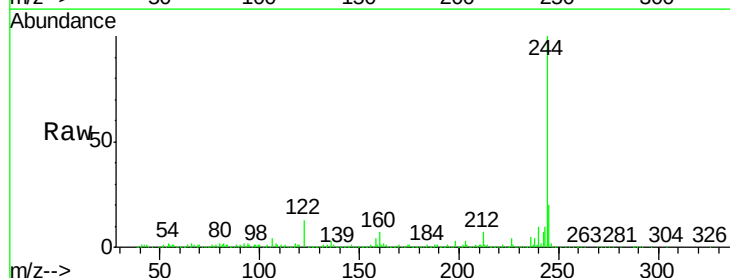
Instrument :
BNA_F
ClientSampled :

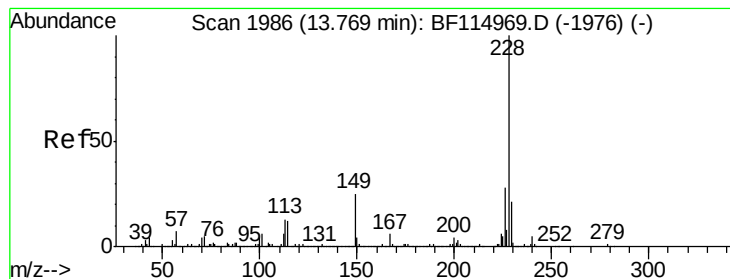
Tot Ion:202 Resp: 1939891
Ion Ratio Lower Upper
202 100
200 22.7 18.4 27.6
203 18.3 14.9 22.3



#79
Terphenyl-d14
Concen: 48.207 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

Tgt Ion:244 Resp: 1373073
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 13.1 9.4 14.0





#81

Benzo(a)anthracene

Concen: 15.395 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

Instrument :

BNA_F

ClientSampleId :

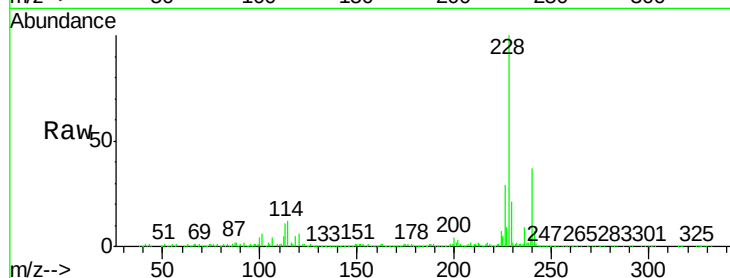
Tot Ion:228 Resp: 617175

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.0	33.0
229	21.3	16.6	25.0

228 100

226 29.3 22.0 33.0

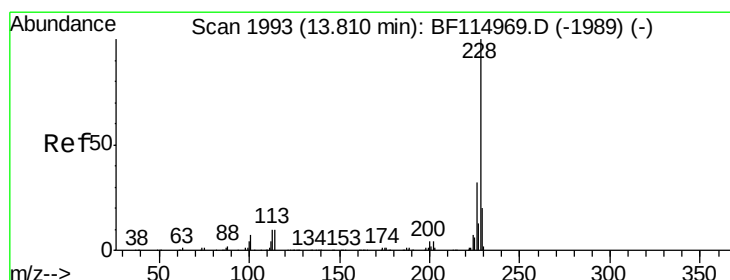
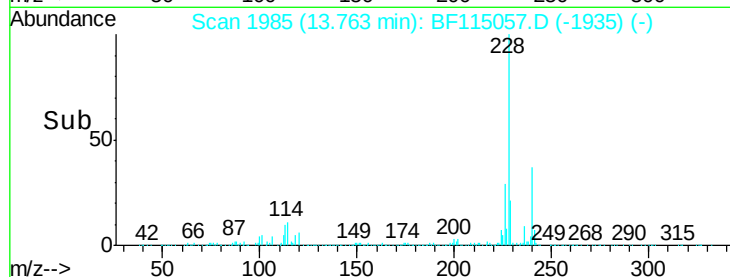
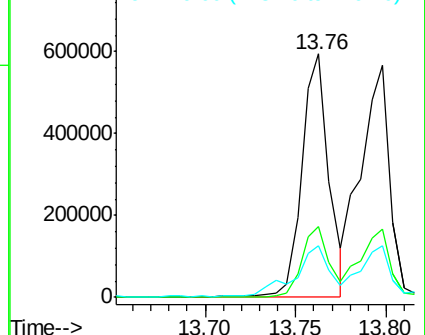
229 21.3 16.6 25.0



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: 15.961 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

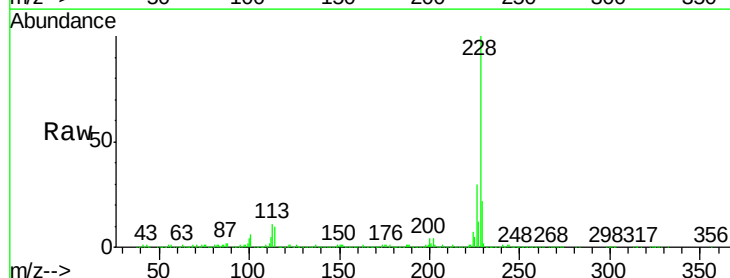
Tgt Ion:228 Resp: 636308

Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.4	38.0
229	22.4	16.4	24.6

228 100

226 29.7 25.4 38.0

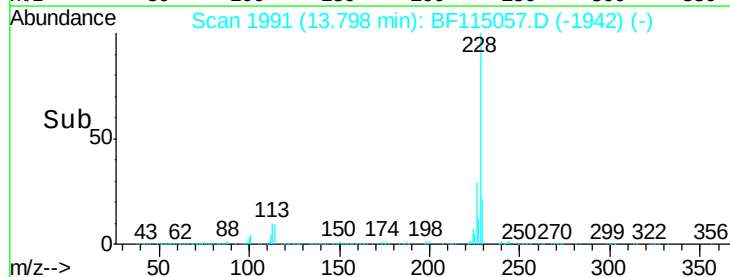
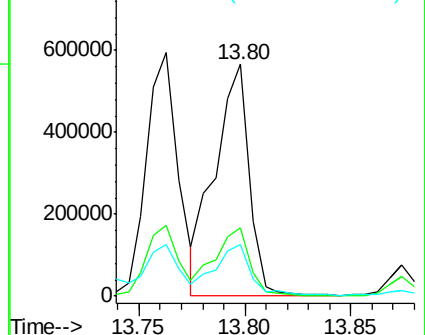
229 22.4 16.4 24.6

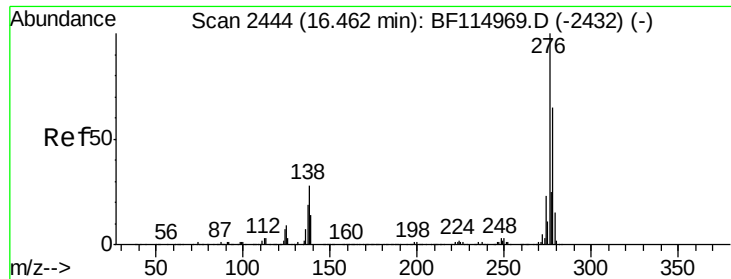


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.859 ng

RT: 16.44 min Scan# 2440

Delta R.T. -0.02 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

Instrument :

BNA_F

ClientSampleId :

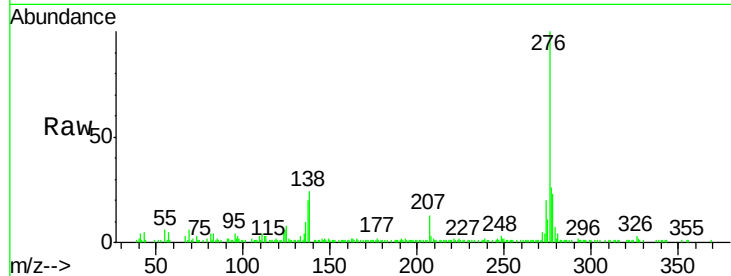
Tot Ion:276 Resp: 100109

Ion Ratio Lower Upper

276 100

138 25.4 23.0 34.4

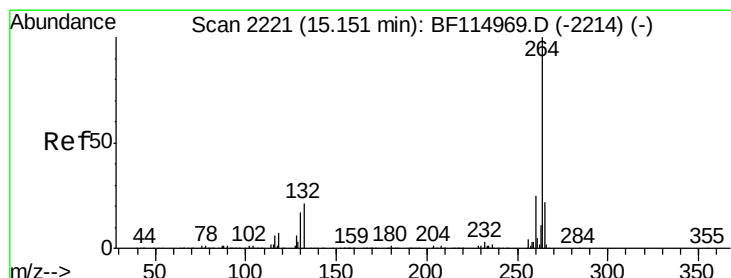
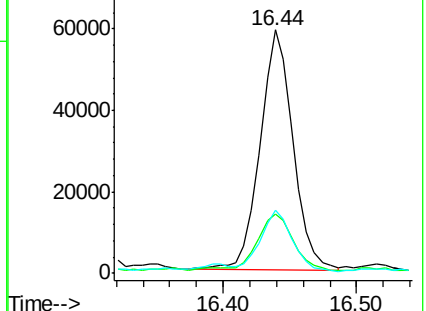
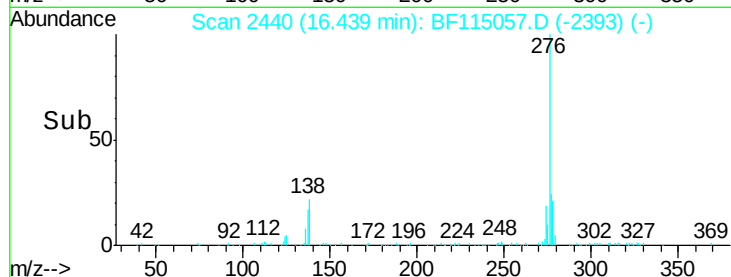
277 24.7 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.14 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BF115057.D

Acq: 14 Jun 2019 23:03

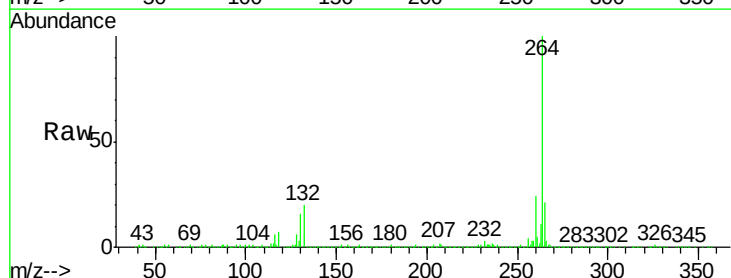
Tgt Ion:264 Resp: 591898

Ion Ratio Lower Upper

264 100

260 24.0 19.9 29.9

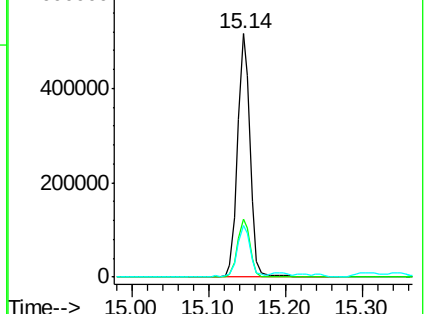
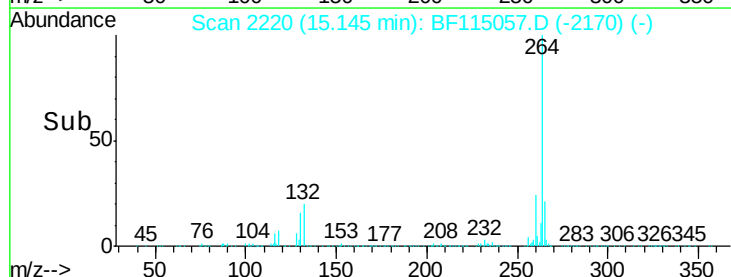
265 21.2 17.6 26.4

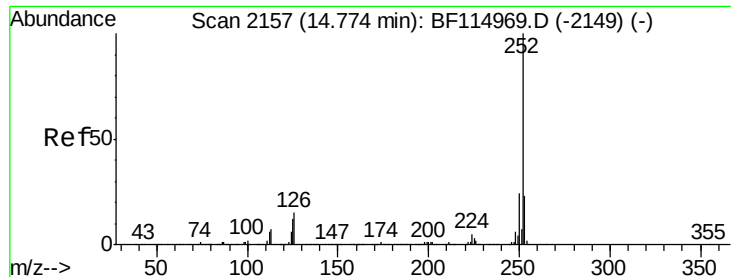


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

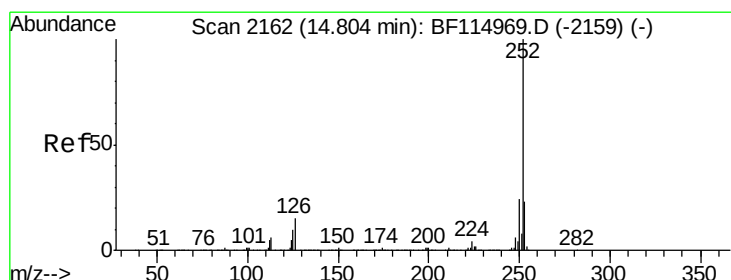
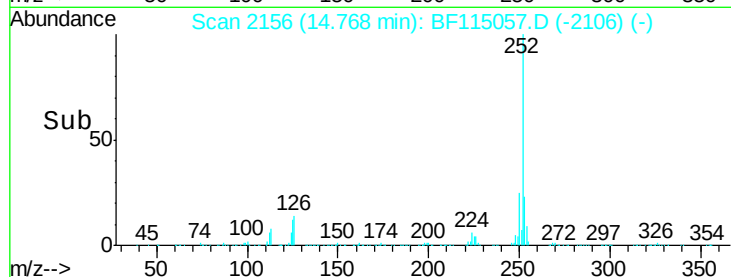
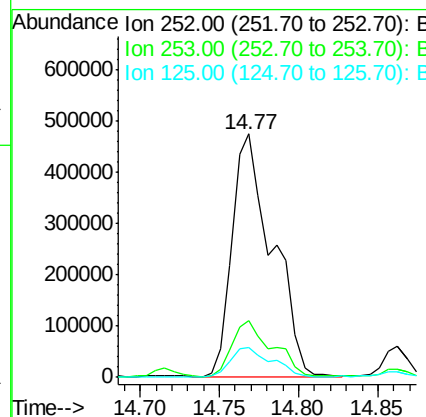
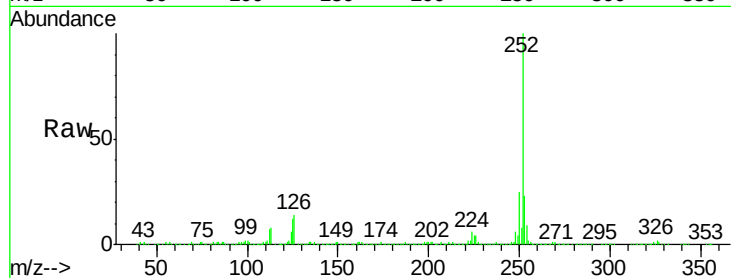




#88
Benzo(b)fluoranthene
Concen: 21.257 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

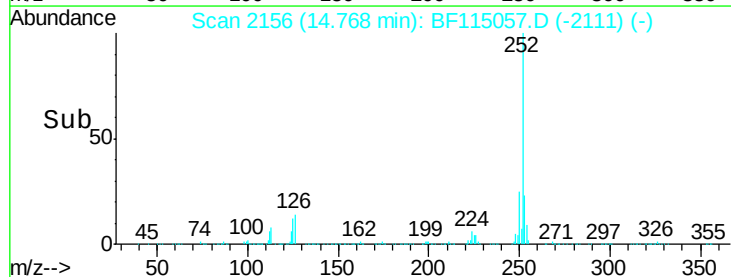
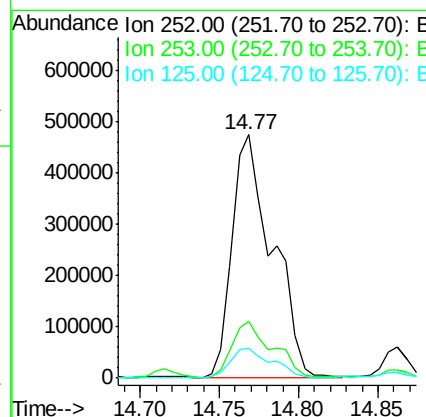
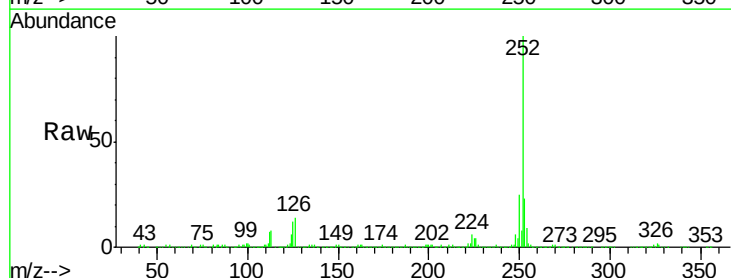
Instrument :
BNA_F
ClientSampleId :

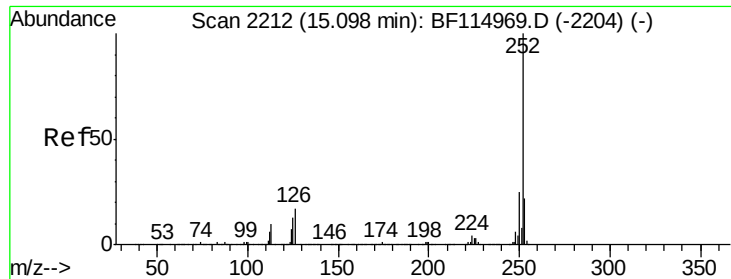
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	12.3	9.4	14.0



#89
Benzo(k)fluoranthene
Concen: 24.217 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.04 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.3	8.2	12.4

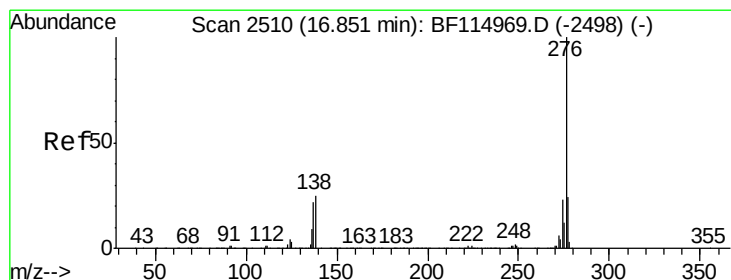
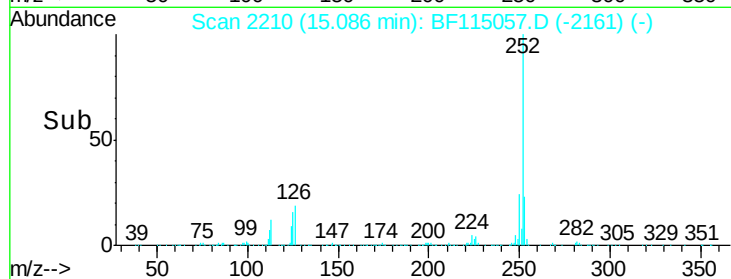
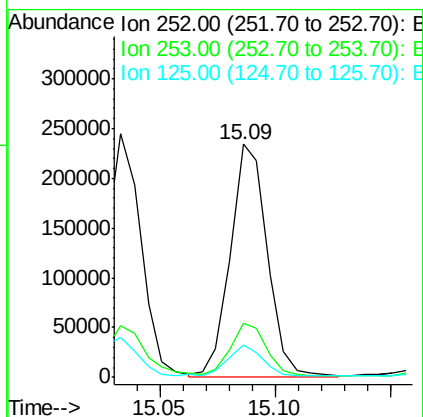
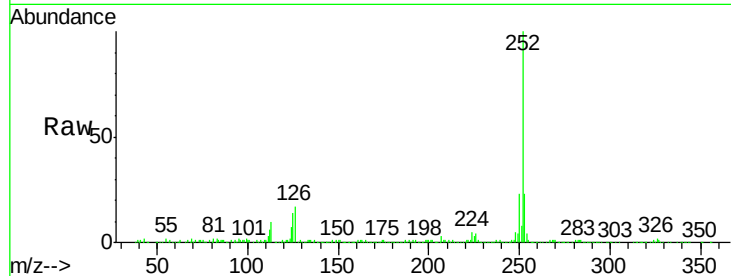




#90
Benzo(a)pyrene
Concen: 7.635 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	13.7	10.7	16.1



#92
Benzo(g,h,i)perylene
Concen: 2.643 ng
RT: 16.83 min Scan# 2506
Delta R.T. -0.02 min
Lab File: BF115057.D
Acq: 14 Jun 2019 23:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.1	18.8	28.2
138	28.0	20.2	30.4

