

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120069.D
 Acq On : 17 Apr 2020 19:48
 Operator : MA/SJ
 Sample : L2242-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Quant Time: Apr 18 01:39:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 10:51:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	151716	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	510163	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	208886	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	357597	20.00	ng	0.00
76) Chrysene-d12	13.89	240	252266	20.00	ng	-0.01
87) Perylene-d12	15.32	264	210579	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	812081	92.50	ng	0.00
7) Phenol-d6	6.37	99	1035785	91.56	ng	0.00
23) Nitrobenzene-d5	7.29	82	616228	62.49	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	162428	63.51	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	985273	66.97	ng	0.00
79) Terphenyl-d14	12.84	244	890269	59.38	ng	0.00

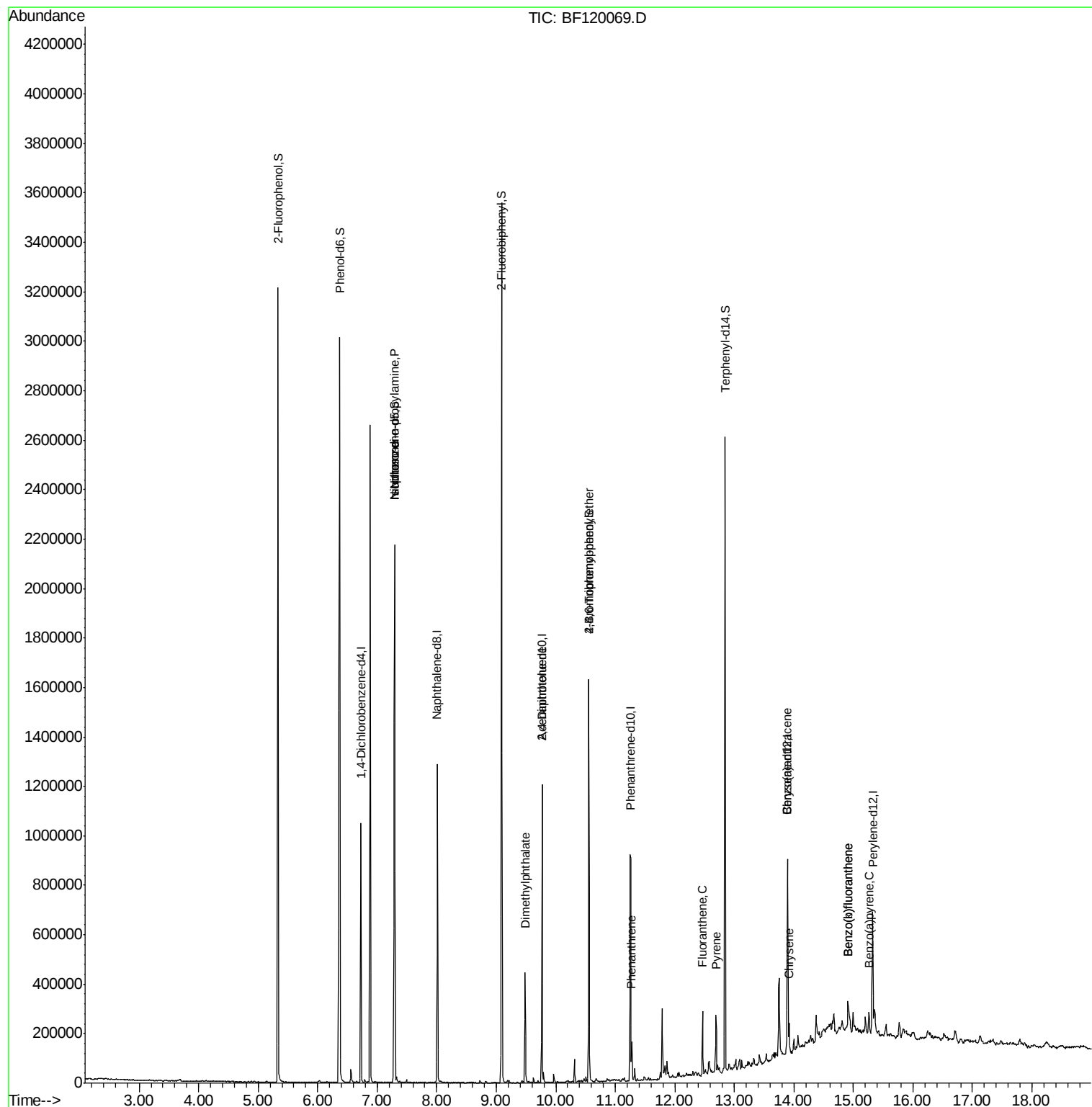
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	1301	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.29	70	81206	11.164	ng	# 75
25) Isophorone	7.29	82	609632	32.069	ng	# 65
50) Dimethylphthalate	9.49	163	157144	9.726	ng	# 99
57) 2,4-Dinitrotoluene	9.77	165	26860	5.762	ng	# 22
67) 4-Bromophenyl-phenylether	10.56	248	10540	2.370	ng	# 1
71) Phenanthrene	11.27	178	66855	3.513	ng	# 99
75) Fluoranthene	12.47	202	109300	5.323	ng	# 95
78) Pyrene	12.69	202	94532	4.445	ng	# 98
81) Benzo(a)anthracene	13.89	228	51075	3.078	ng	# 93
83) Chrysene	13.92	228	54301	3.220	ng	# 95
88) Benzo(b)fluoranthene	14.91	252	81050	5.350	ng	# 97
89) Benzo(k)fluoranthene	14.91	252	81050	6.201	ng	# 98
90) Benzo(a)pyrene	15.26	252	40222	3.158	ng	# 90

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

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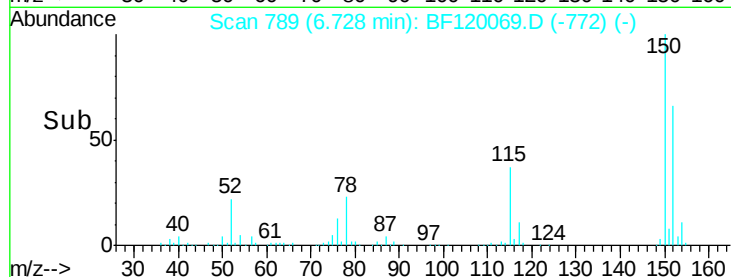
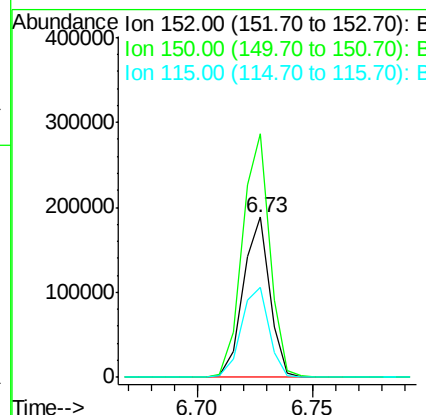
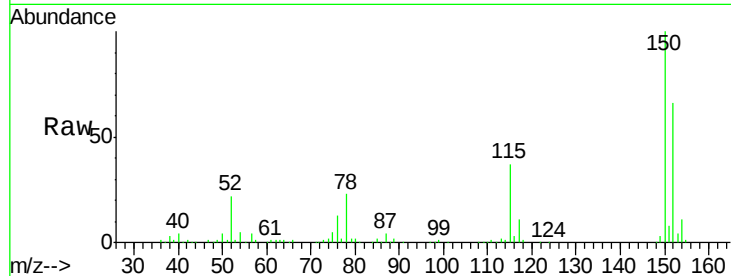


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF120069.D
 Acq: 17 Apr 2020 19:48

Instrument :
 BNA_F
 ClientSampleId :
 B-1

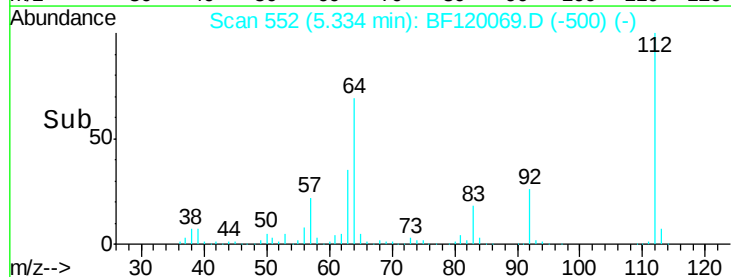
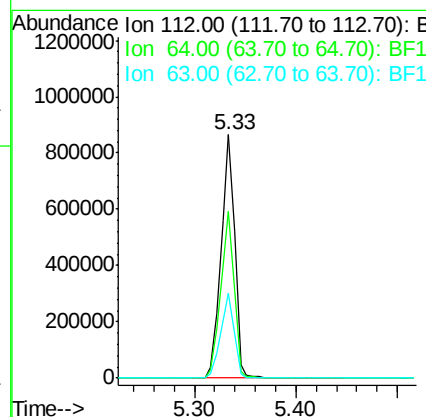
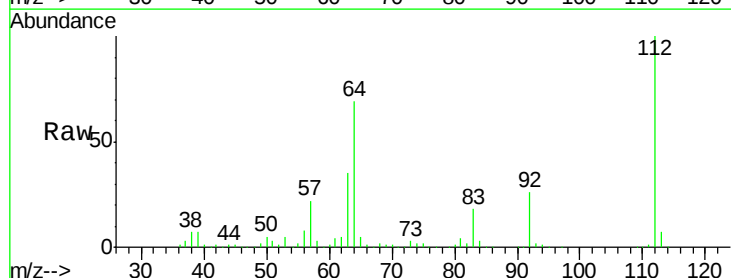
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.8	187.2
115	56.4	46.5	69.7



#5

2-Fluorophenol
 Concen: 92.503 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF120069.D
 Acq: 17 Apr 2020 19:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	55.5	83.3
63	34.9	29.1	43.7





#7

Phenol-d6

Concen: 91.565 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF120069.D

Acq: 17 Apr 2020 19:48

Instrument :

BNA_F

ClientSampleId :

B-1

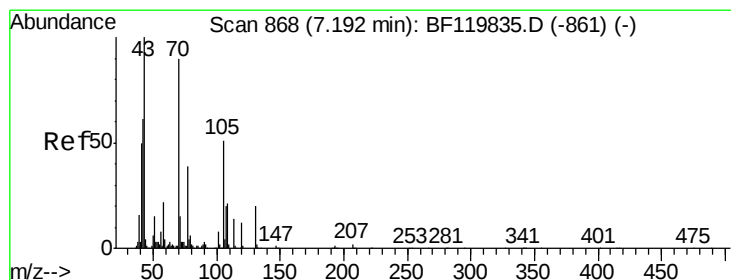
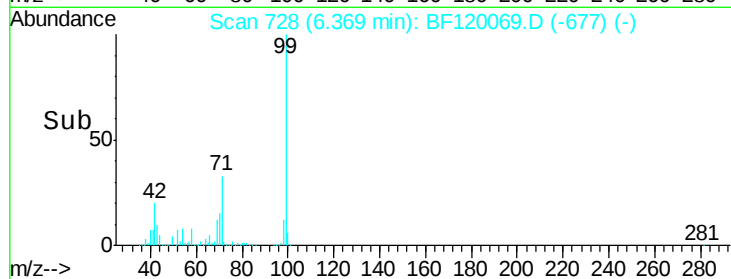
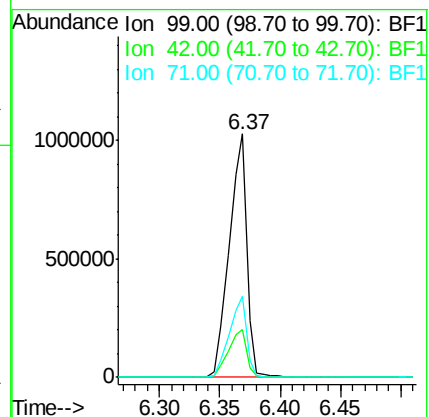
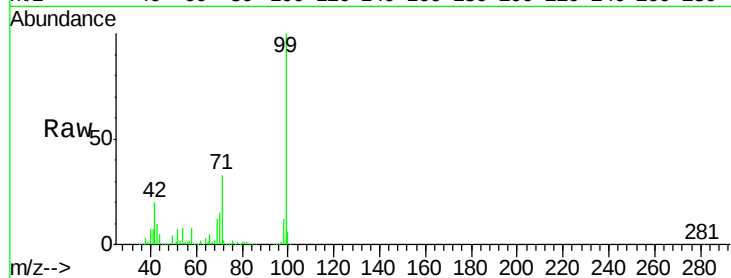
Tot Ion: 99 Resp: 1035785

Ion Ratio Lower Upper

99 100

42 19.7 16.9 25.3

71 33.2 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.164 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF120069.D

Acq: 17 Apr 2020 19:48

Tgt Ion: 70 Resp: 81206

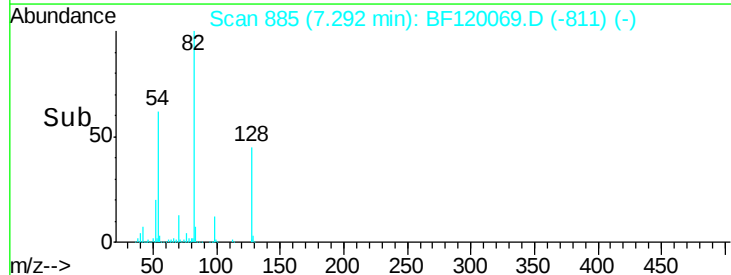
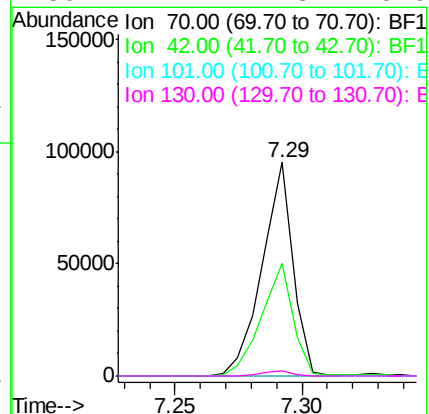
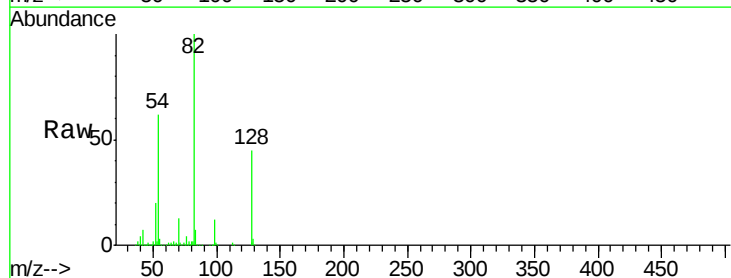
Ion Ratio Lower Upper

70 100

42 52.6 54.2 81.4#

101 0.0 7.4 11.2#

130 2.4 17.8 26.6#

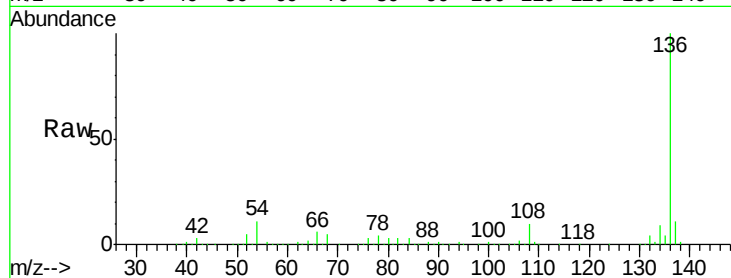




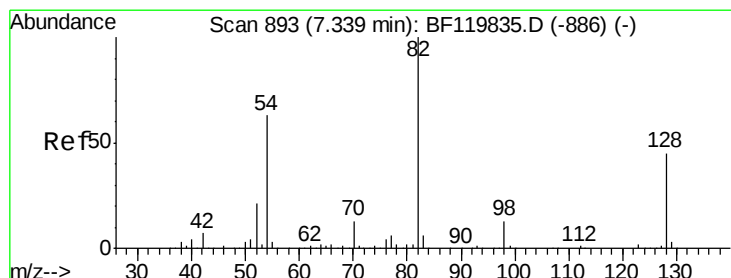
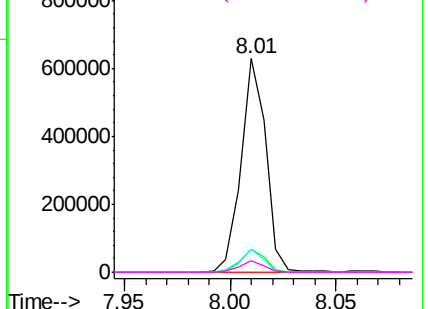
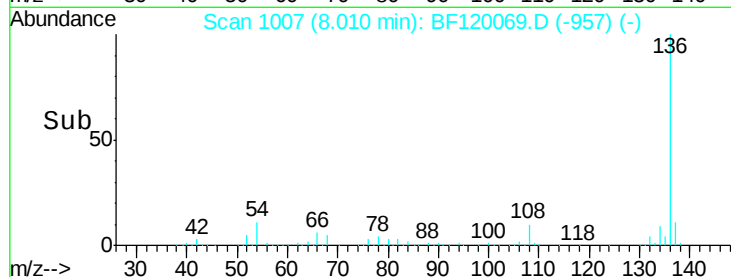
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF120069.D
Acq: 17 Apr 2020 19:48

Instrument :
BNA_F
ClientSampled :
B-1

Tot Ion:136 Resp: 510163
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 10.8 8.5 12.7
68 5.5 3.9 5.9

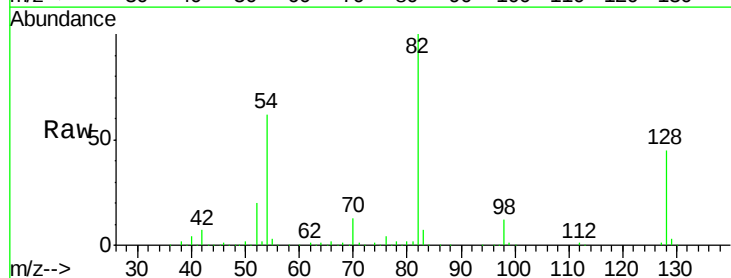


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

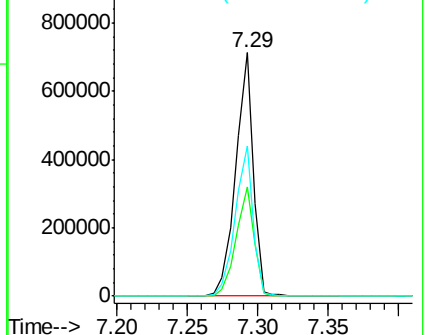
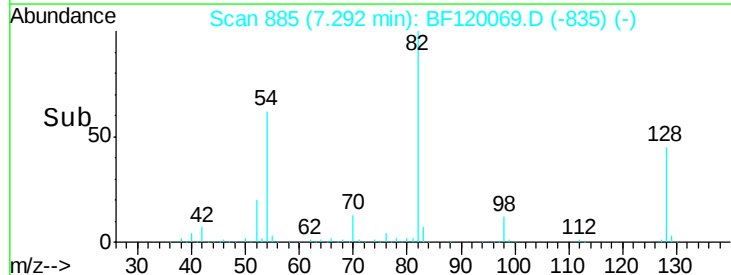


#23
Nitrobenzene-d5
Concen: 62.489 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF120069.D
Acq: 17 Apr 2020 19:48

Tgt Ion: 82 Resp: 616228
Ion Ratio Lower Upper
82 100
128 44.7 36.2 54.4
54 61.8 50.4 75.6



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: 32.069 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF120069.D

Acq: 17 Apr 2020 19:48

Instrument :

BNA_F

ClientSampleId :

B-1

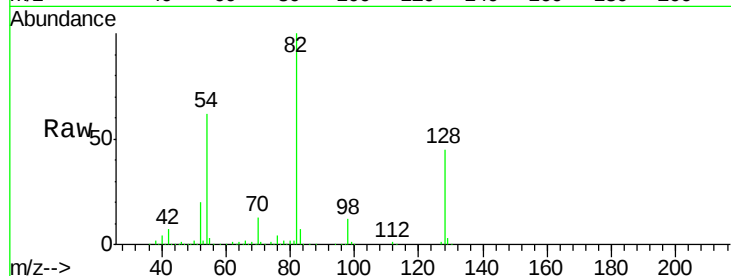
Tot Ion: 82 Resp: 609632

Ion Ratio Lower Upper

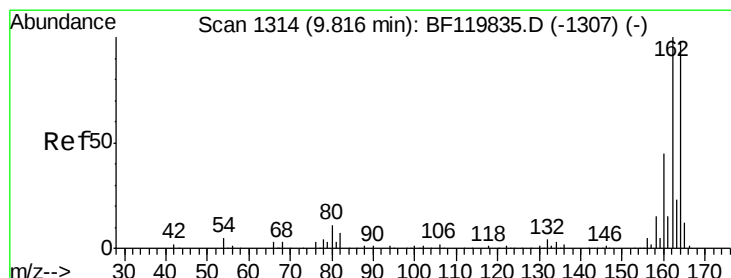
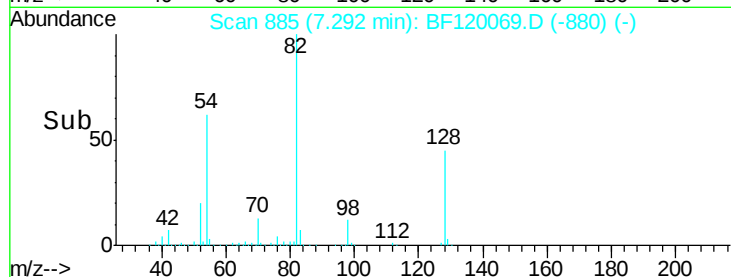
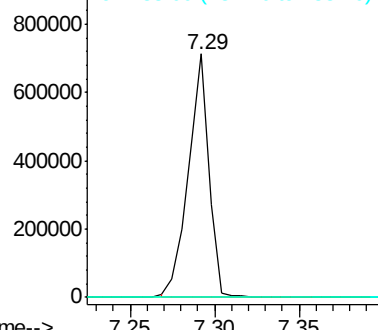
82 100

95 0.0 5.8 8.6#

138 0.0 14.5 21.7#



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: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF120069.D

Acq: 17 Apr 2020 19:48

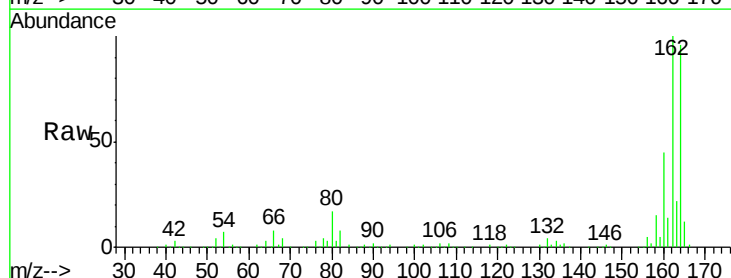
Tgt Ion:164 Resp: 208886

Ion Ratio Lower Upper

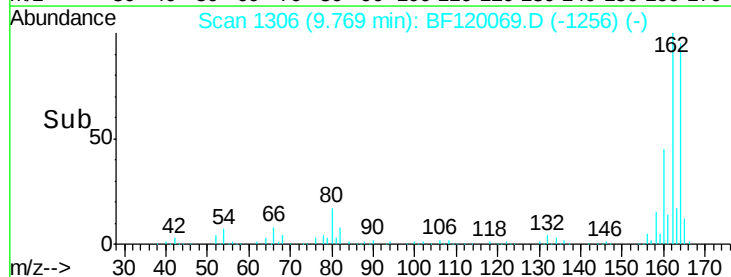
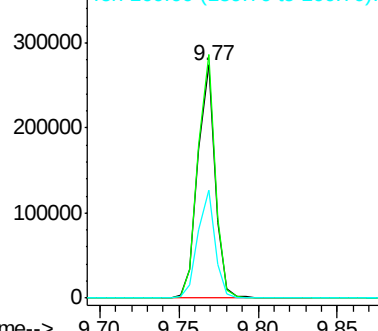
164 100

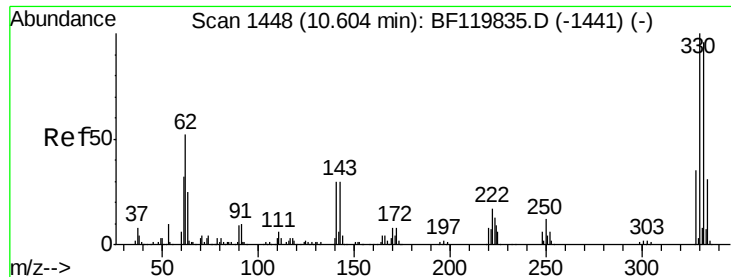
162 104.5 81.9 122.9

160 46.6 36.6 54.8



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

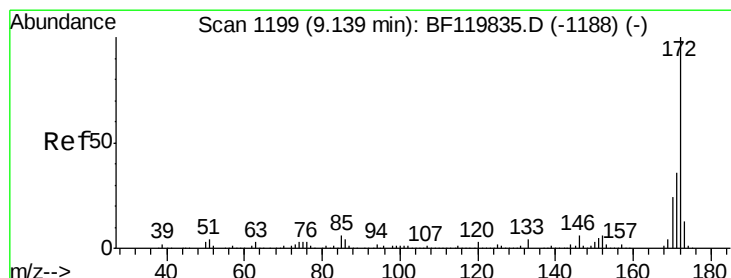
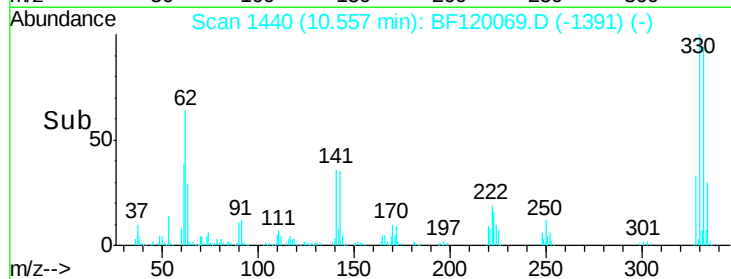
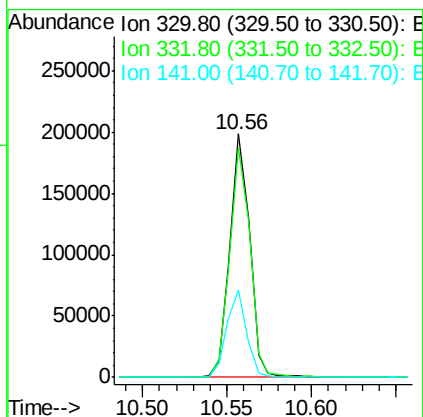
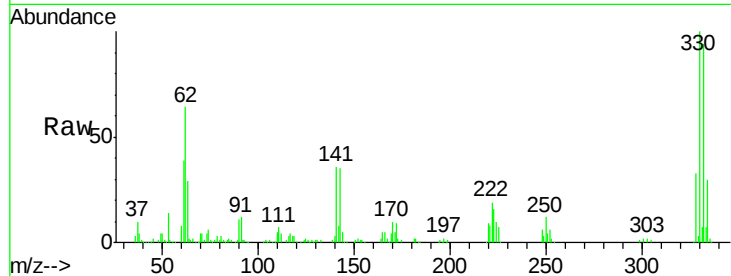




#42
 2,4,6-Tribromophenol
 Concen: 63.511 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF120069.D
 Acq: 17 Apr 2020 19:48

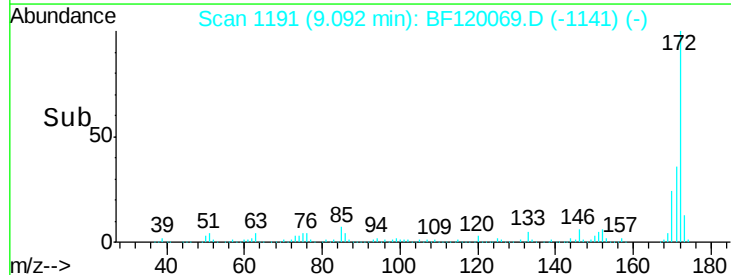
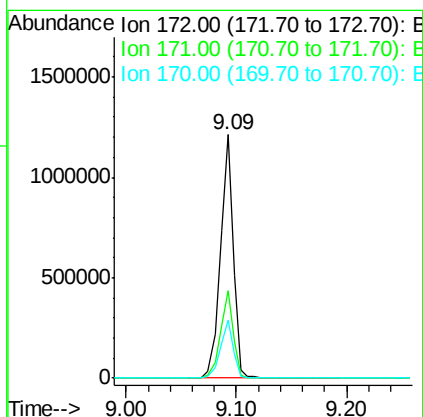
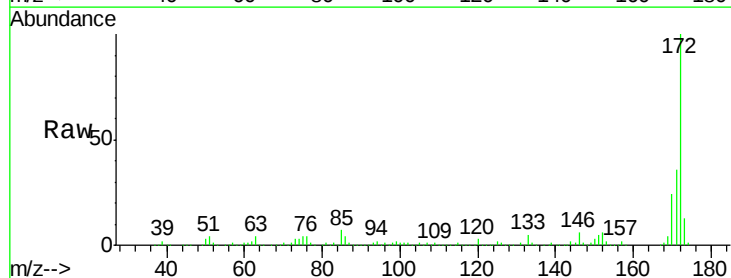
Instrument :
 BNA_F
 ClientSampleId :
 B-1

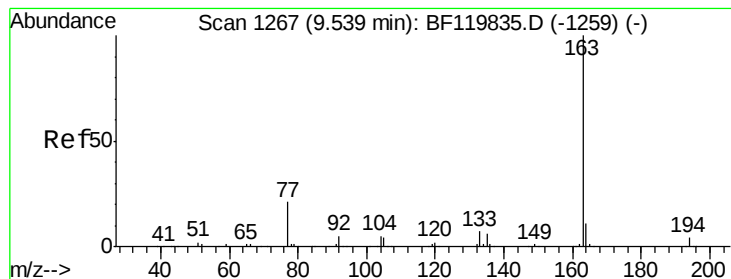
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.8	115.2
141	36.0	25.1	37.7



#45
 2-Fluorobiphenyl
 Concen: 66.968 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF120069.D
 Acq: 17 Apr 2020 19:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	23.8	19.4	29.2





#50

Dimethylphthalate

Concen: 9.726 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.02 min

Lab File: BF120069.D

Acq: 17 Apr 2020 19:48

Instrument :

BNA_F

ClientSampled :

B-1

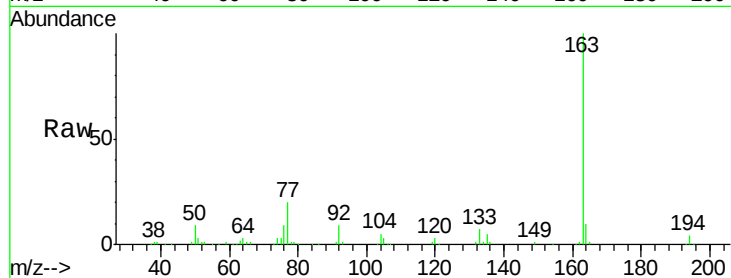
Tot Ion:163 Resp: 157144

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.4

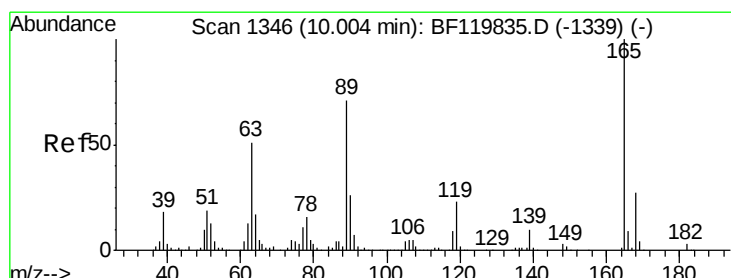
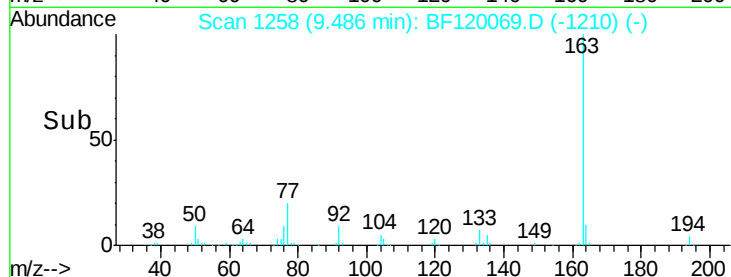
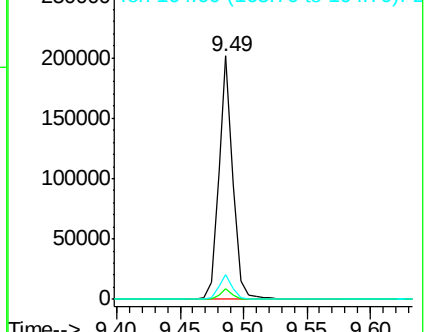
164 10.1 8.4 12.6



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



#57

2,4-Dinitrotoluene

Concen: 5.762 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.20 min

Lab File: BF120069.D

Acq: 17 Apr 2020 19:48

Tgt Ion:165 Resp: 26860

Ion Ratio Lower Upper

165 100

63 1.1 40.8 61.2#

89 1.0 56.9 85.3#

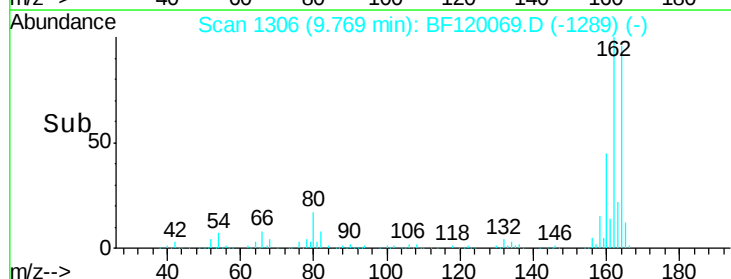
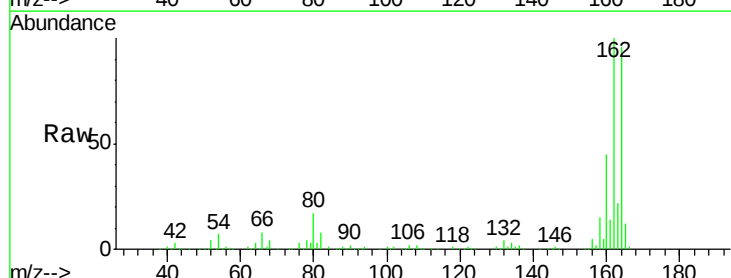
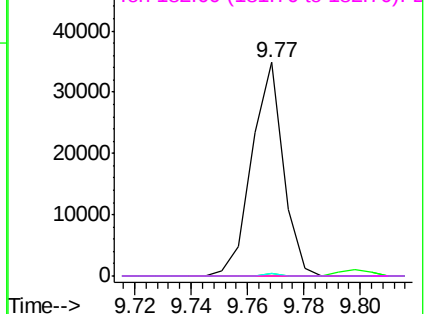
182 0.0 2.0 3.0#

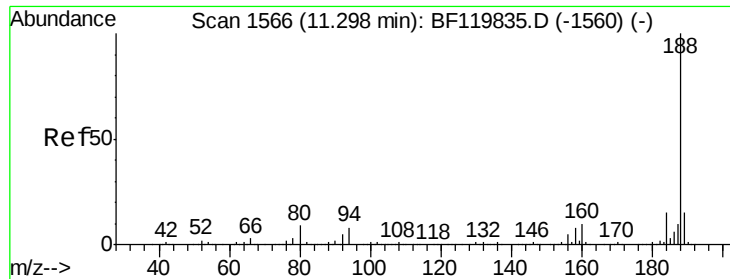
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

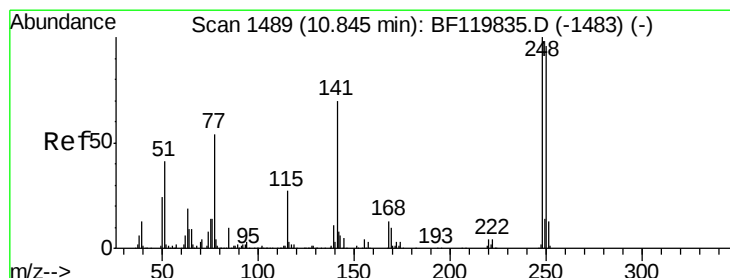
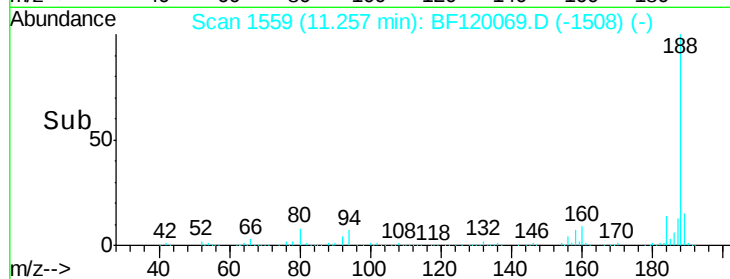
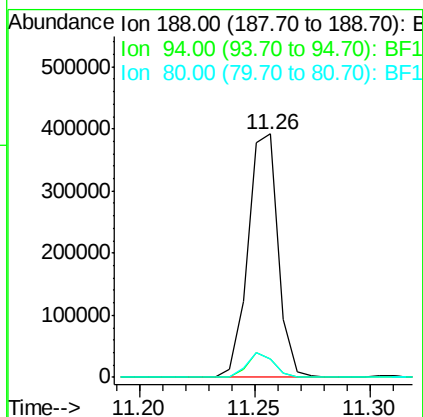
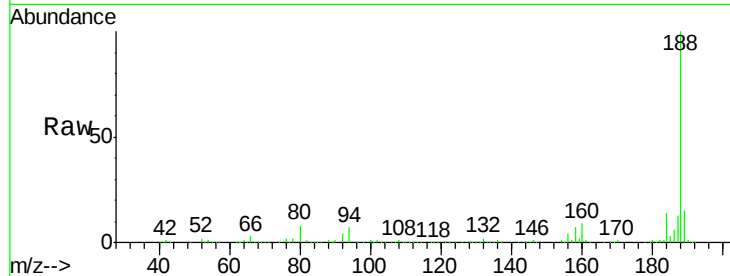




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.00 min
Lab File: BF120069.D
Acq: 17 Apr 2020 19:48

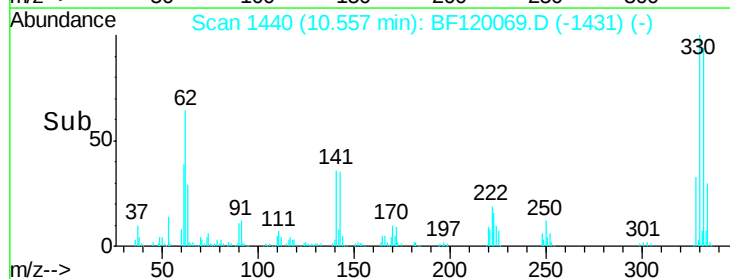
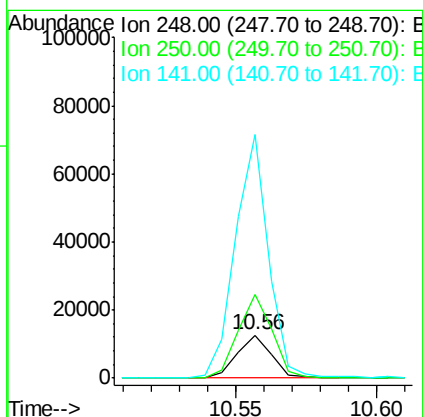
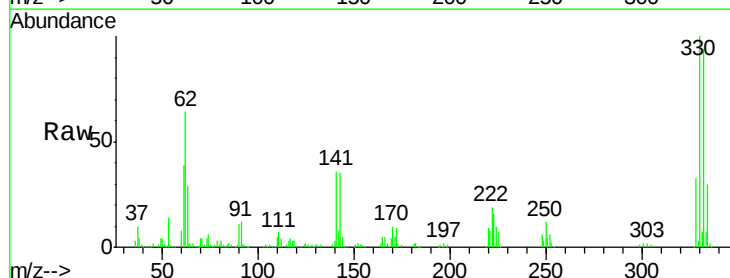
Instrument :
BNA_F
ClientSampled :
B-1

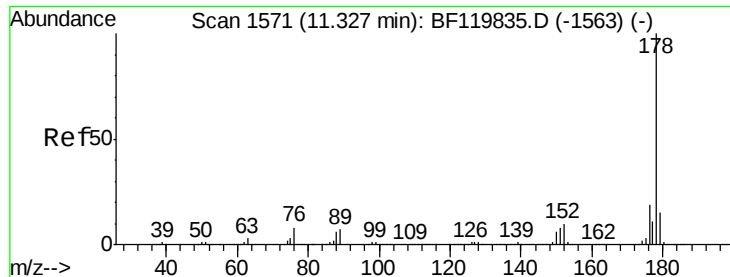
Tot Ion:188 Resp: 357597
Ion Ratio Lower Upper
188 100
94 7.3 6.7 10.1
80 7.7 7.4 11.2



#67
4-Bromophenyl-phenylether
Concen: 2.370 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.25 min
Lab File: BF120069.D
Acq: 17 Apr 2020 19:48

Tgt Ion:248 Resp: 10540
Ion Ratio Lower Upper
248 100
250 195.5 76.6 114.8#
141 566.9 55.9 83.9#





#71

Phenanthrene

Concen: 3.513 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF120069.D

Acq: 17 Apr 2020 19:48

Instrument :

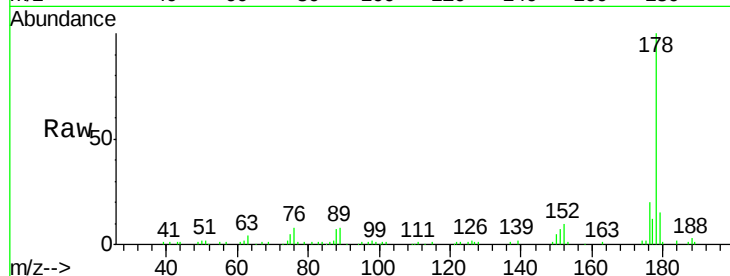
BNA_F

ClientSampleId :

B-1

Tot Ion:178 Resp: 66855

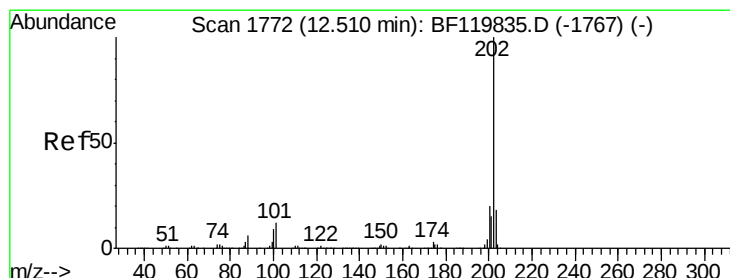
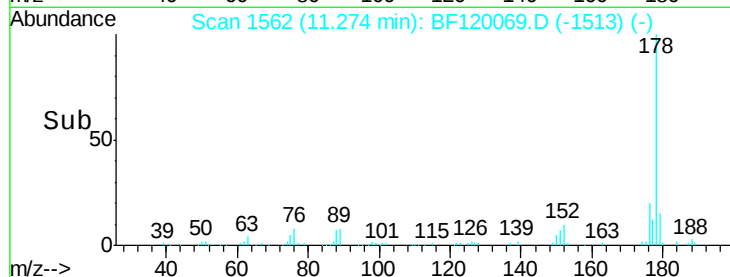
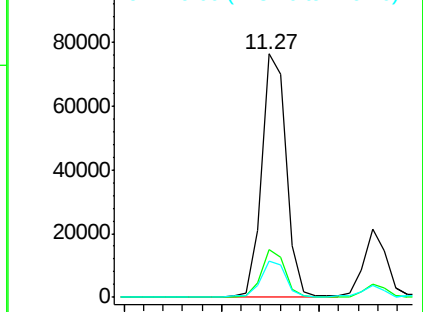
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	14.9	12.2	18.4



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



#75

Fluoranthene

Concen: 5.323 ng

RT: 12.47 min Scan# 1765

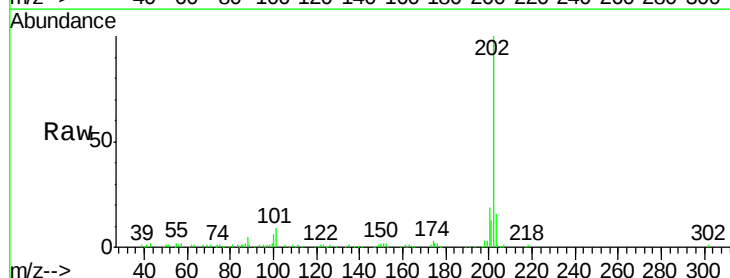
Delta R.T. -0.01 min

Lab File: BF120069.D

Acq: 17 Apr 2020 19:48

Tgt Ion:202 Resp: 109300

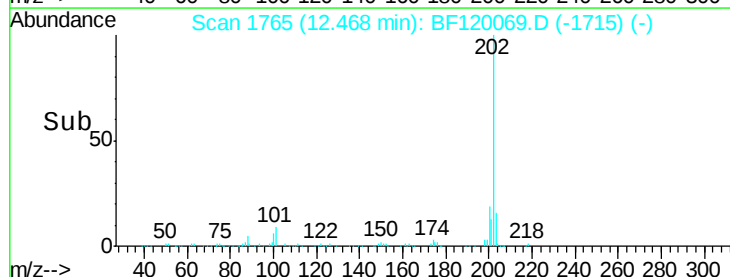
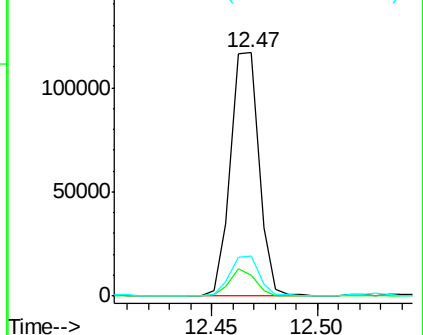
Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	32.3
203	16.3	0.0	37.6

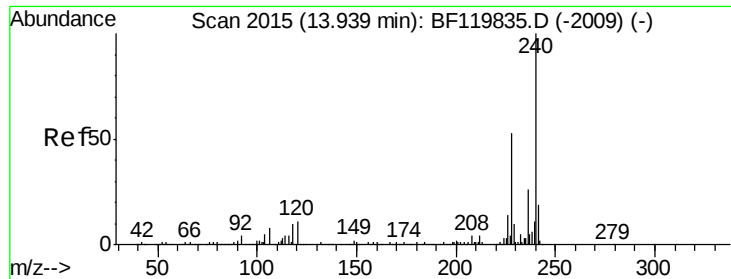


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

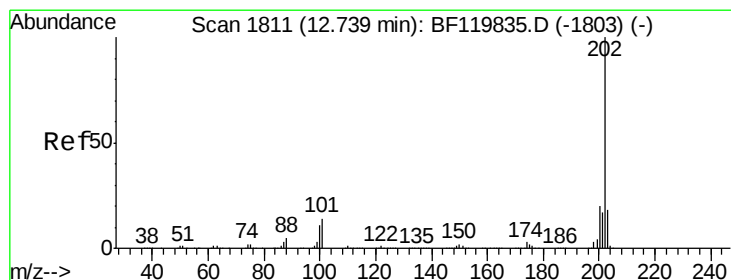
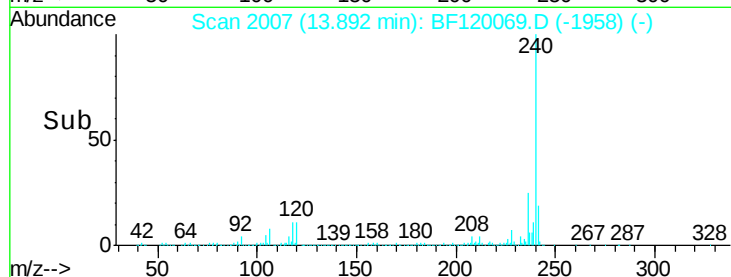
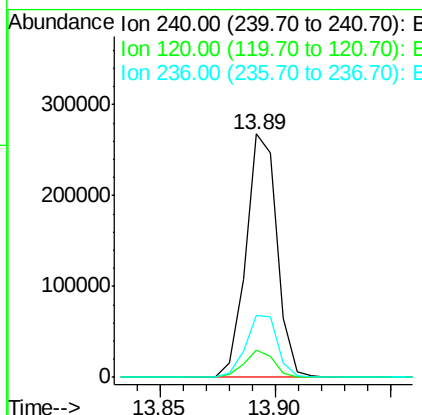
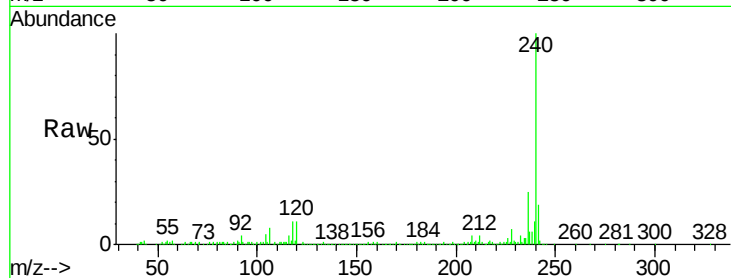




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF120069.D
 Acq: 17 Apr 2020 19:48

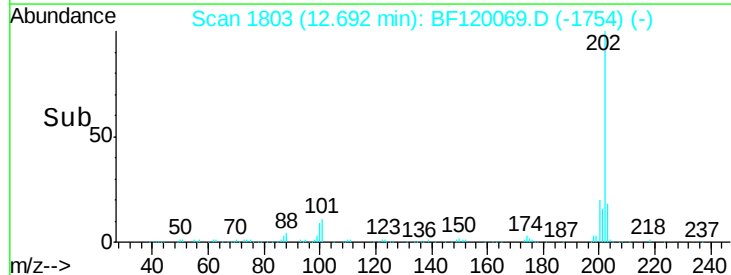
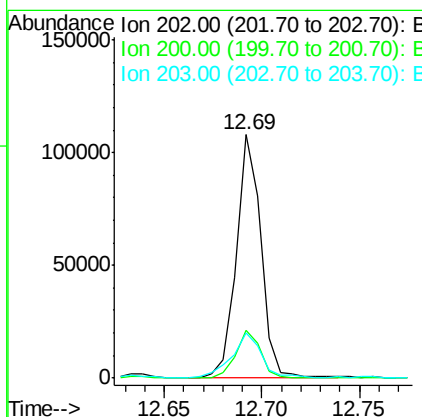
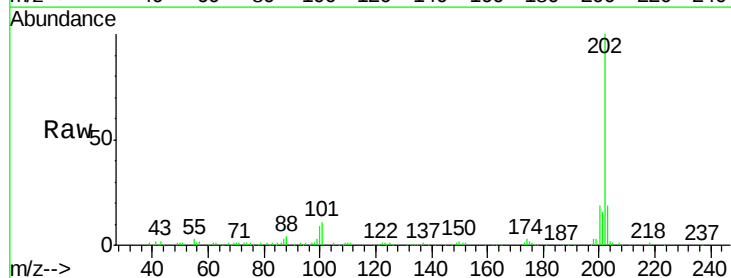
Instrument :
 BNA_F
 ClientSampleId :
 B-1

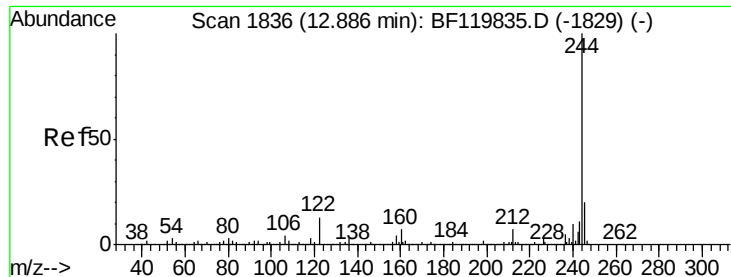
Tot Ion:240 Resp: 252266
 Ion Ratio Lower Upper
 240 100
 120 11.5 9.0 13.6
 236 25.4 20.7 31.1



#78
 Pyrene
 Concen: 4.445 ng
 RT: 12.69 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BF120069.D
 Acq: 17 Apr 2020 19:48

Tgt Ion:202 Resp: 94532
 Ion Ratio Lower Upper
 202 100
 200 19.5 16.2 24.2
 203 18.7 14.1 21.1





#79

Terphenyl-d14

Concen: 59.382 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF120069.D

Acq: 17 Apr 2020 19:48

Instrument :

BNA_F

ClientSampleId :

B-1

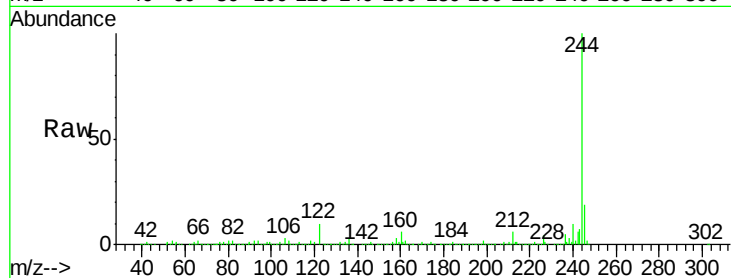
Tot Ion:244 Resp: 890269

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

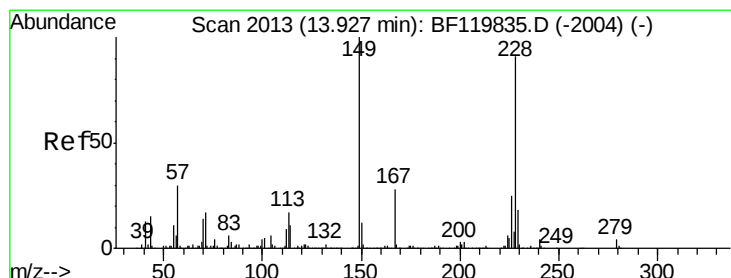
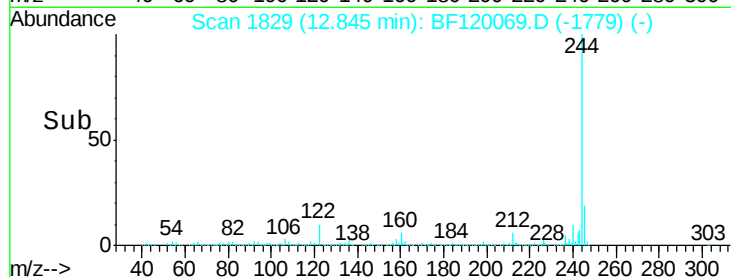
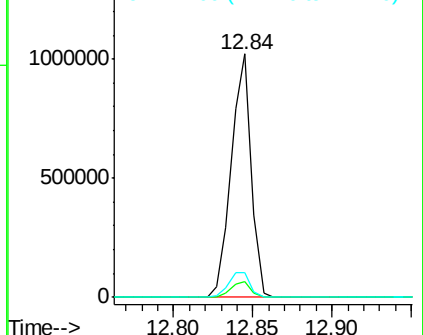
122 10.2 10.3 15.5#



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: 3.078 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF120069.D

Acq: 17 Apr 2020 19:48

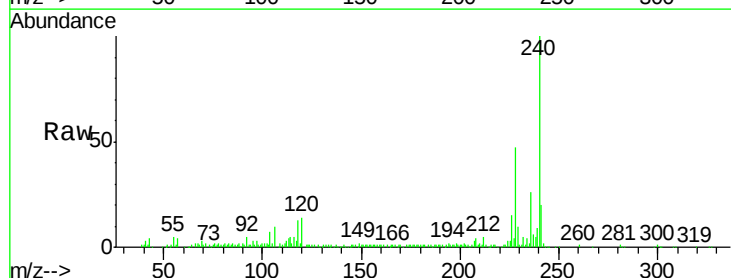
Tgt Ion:228 Resp: 51075

Ion Ratio Lower Upper

228 100

226 31.8 21.9 32.9

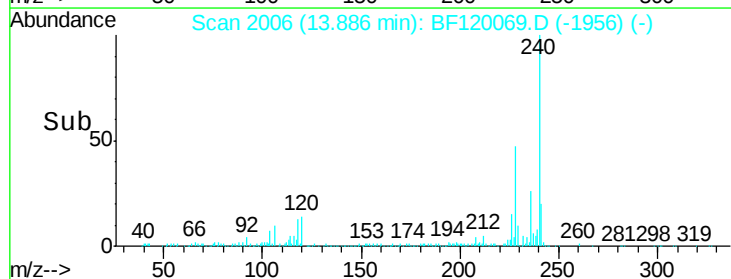
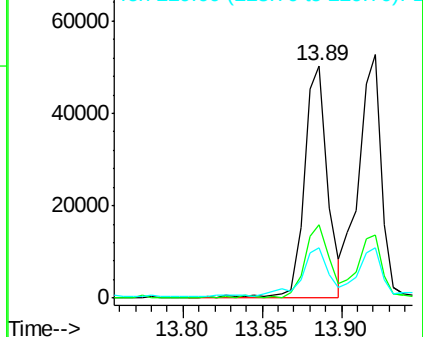
229 21.9 15.9 23.9

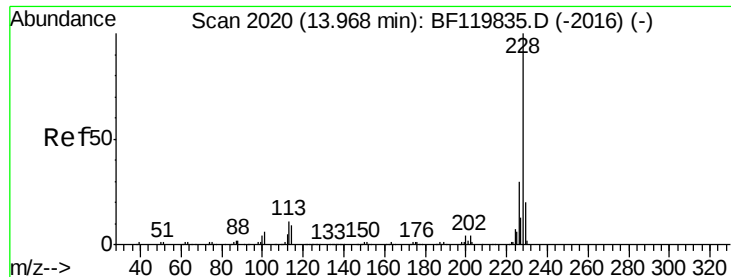


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

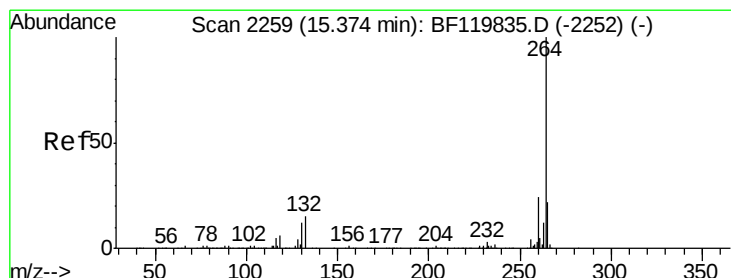
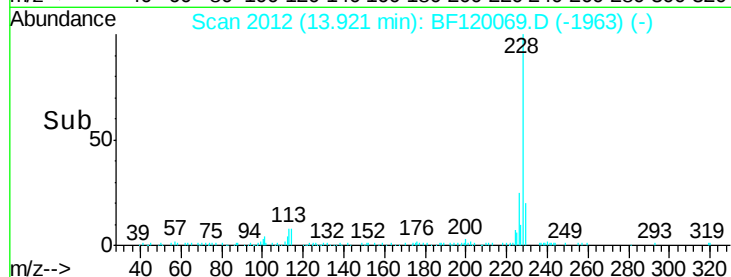
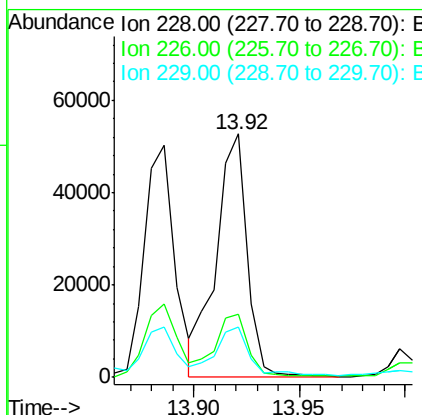
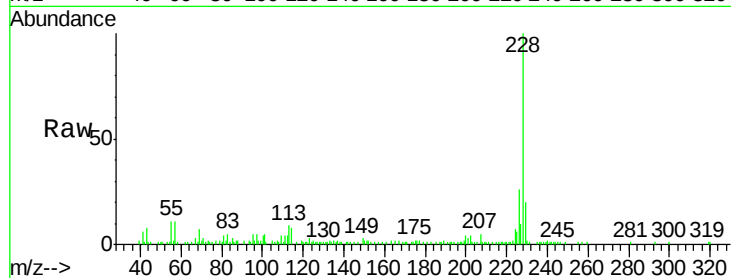




#83
 Chrysene
 Concen: 3.220 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF120069.D
 Acq: 17 Apr 2020 19:48

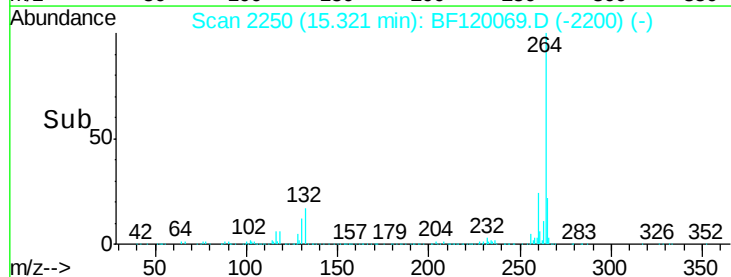
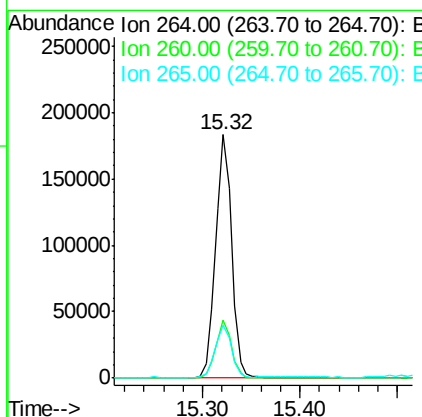
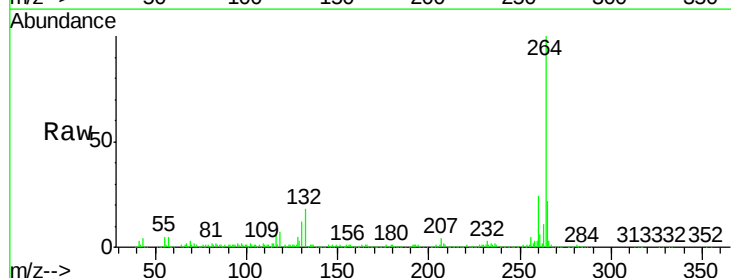
Instrument :
 BNA_F
 ClientSampleId :
 B-1

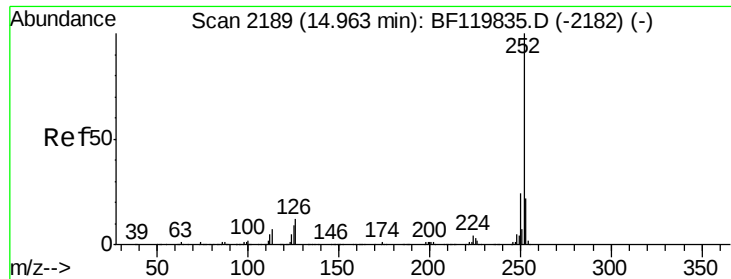
Tot Ion:228 Resp: 54301
 Ion Ratio Lower Upper
 228 100
 226 25.9 24.2 36.2
 229 20.5 15.9 23.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. -0.01 min
 Lab File: BF120069.D
 Acq: 17 Apr 2020 19:48

Tgt Ion:264 Resp: 210579
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.3 28.9
 265 21.9 17.6 26.4

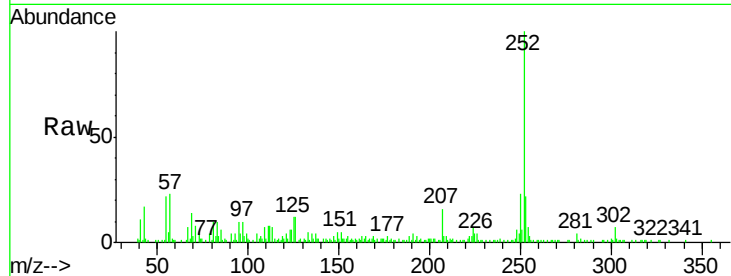




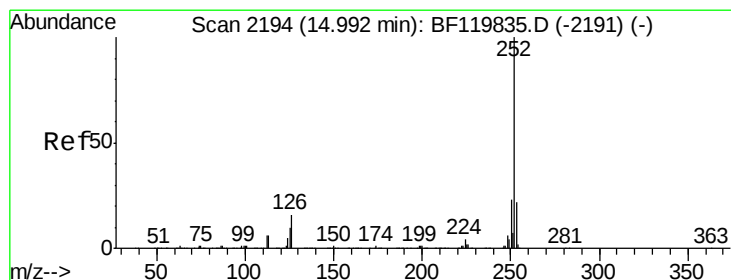
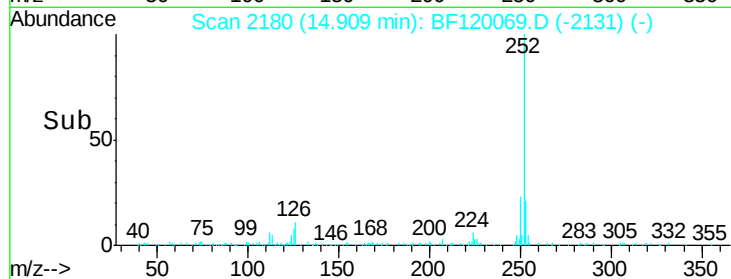
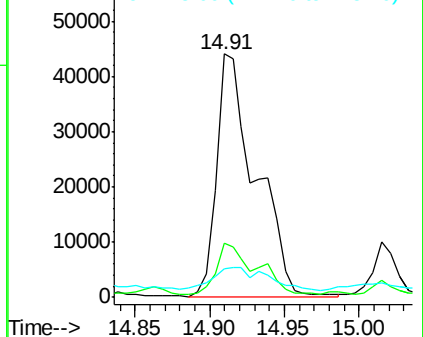
#88
Benzo(b)fluoranthene
Concen: 5.350 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF120069.D
Acq: 17 Apr 2020 19:48

Instrument :
BNA_F
ClientSampleId :
B-1

Tot Ion:252 Resp: 81050
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 11.9 7.4 11.2#

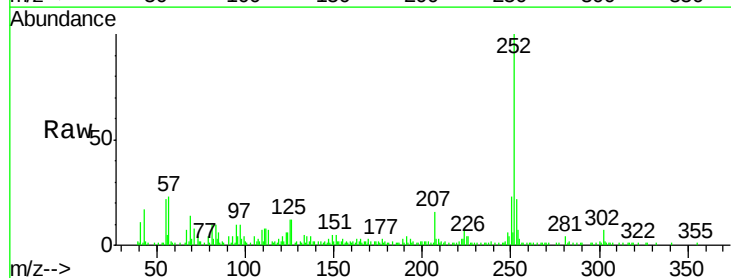


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

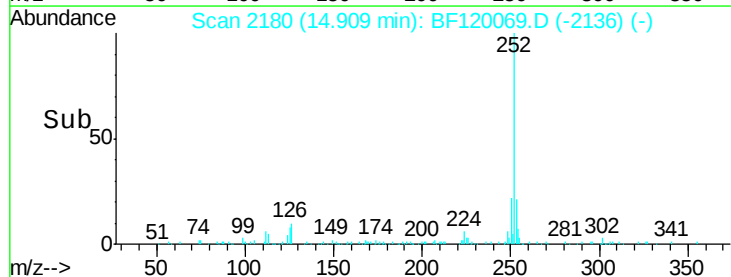
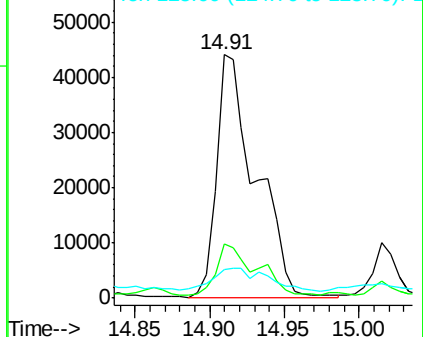


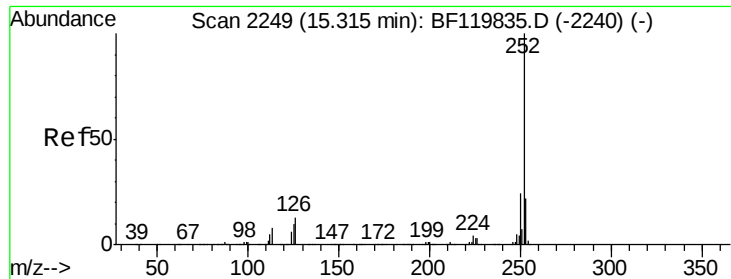
#89
Benzo(k)fluoranthene
Concen: 6.201 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BF120069.D
Acq: 17 Apr 2020 19:48

Tgt Ion:252 Resp: 81050
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 11.9 7.7 11.5#



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





#90

Benzo(a)pyrene

Concen: 3.158 ng

RT: 15.26 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF120069.D

Acq: 17 Apr 2020 19:48

Instrument :

BNA_F

ClientSampleId :

B-1

Tot Ion:252 Resp: 40222

Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.2

125 17.0 8.3 12.5#

