

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113939.D
 Acq On : 23 Apr 2019 23:38
 Operator : JU/SJ
 Sample : K2532-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

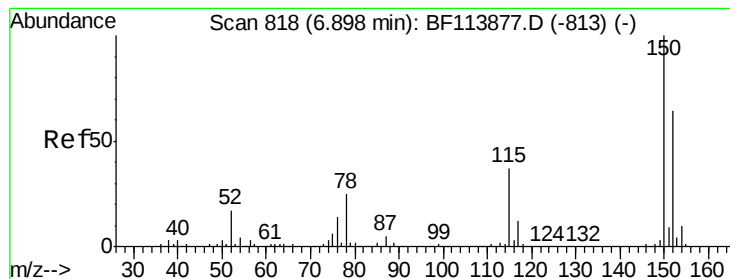
Quant Time: Apr 24 02:08:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	131846	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	450608	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	198936	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	370340	20.00	ng	0.00
76) Chrysene-d12	14.05	240	375177	20.00	ng	-0.02
87) Perylene-d12	15.53	264	310356	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	753493	97.75	ng	0.00
7) Phenol-d6	6.52	99	954117	98.65	ng	0.00
23) Nitrobenzene-d5	7.45	82	550005	75.36	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	234455	96.74	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	972349	76.45	ng	0.00
79) Terphenyl-d14	13.00	244	1047091	57.22	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	1204	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	72812	11.625	ng	# 77
25) Isophorone	7.45	82	547426	36.659	ng	# 65
50) Dimethylphthalate	9.64	163	137434	9.552	ng	# 98
57) 2,4-Dinitrotoluene	9.93	165	25260	6.484	ng	# 30
65) 4,6-Dinitro-2-methylphenol	10.72	198	332	7.474	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	14508	3.243	ng	# 1
71) Phenanthrene	11.44	178	64026	3.440	ng	# 98
75) Fluoranthene	12.63	202	188620	9.289	ng	# 96
78) Pyrene	12.86	202	138503	5.279	ng	# 97
81) Benzo(a)anthracene	14.04	228	89198	4.035	ng	# 98
83) Chrysene	14.08	228	90753	4.216	ng	# 97
88) Benzo(b)fluoranthene	15.10	252	124839	6.358	ng	# 98
89) Benzo(k)fluoranthene	15.10	252	124839	7.391	ng	# 99
90) Benzo(a)pyrene	15.47	252	49698	2.926	ng	# 97

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

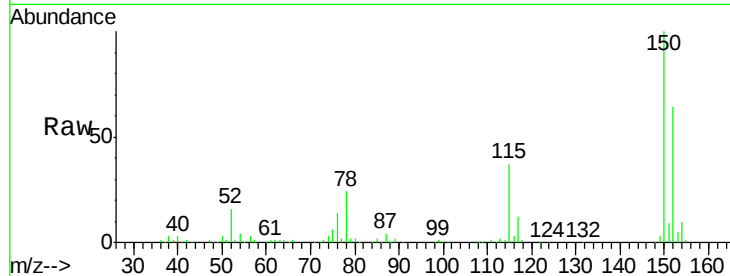


#1

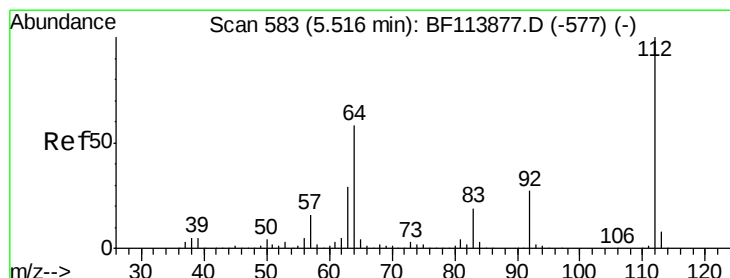
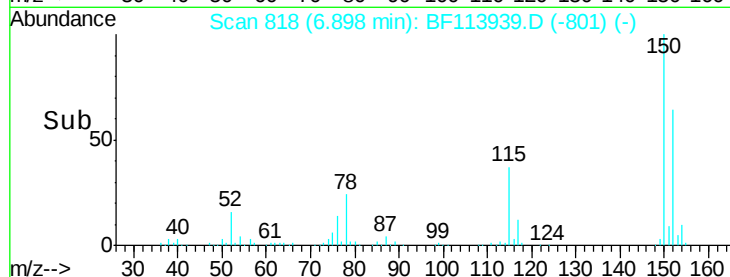
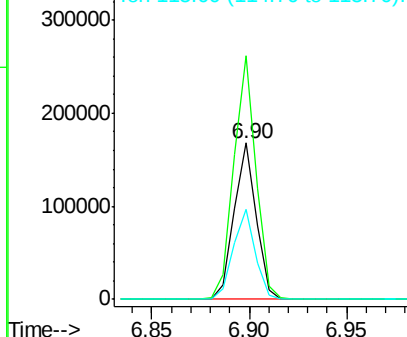
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113939.D
Acq: 23 Apr 2019 23:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131846
Ion Ratio Lower Upper
152 100
150 155.8 125.9 188.9
115 57.4 45.9 68.9



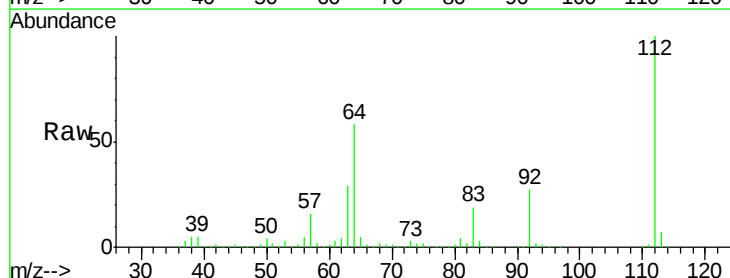
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



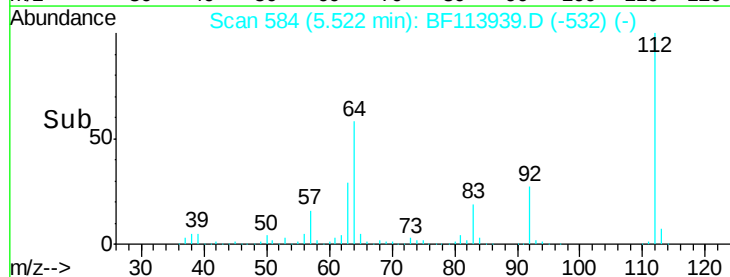
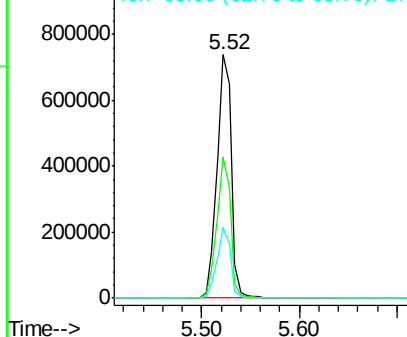
#5

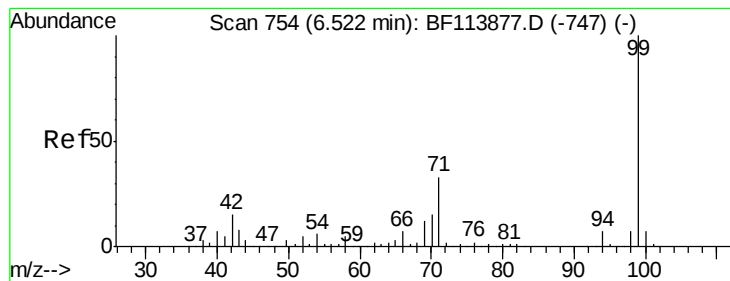
2-Fluorophenol
Concen: 97.746 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113939.D
Acq: 23 Apr 2019 23:38

Tgt Ion:112 Resp: 753493
Ion Ratio Lower Upper
112 100
64 57.8 46.6 69.8
63 28.9 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: 98.653 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

Instrument :

BNA_F

ClientSampled :

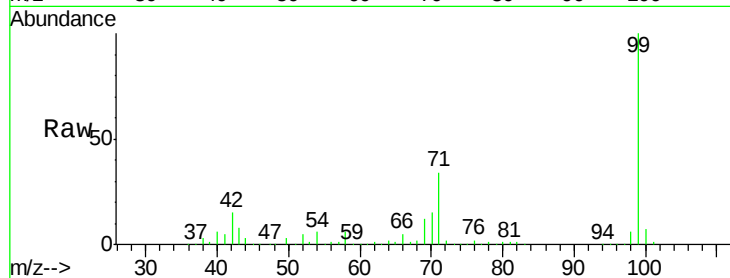
Tot Ion: 99 Resp: 954117

Ion Ratio Lower Upper

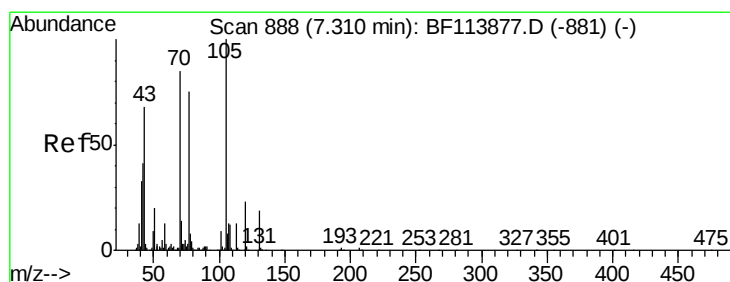
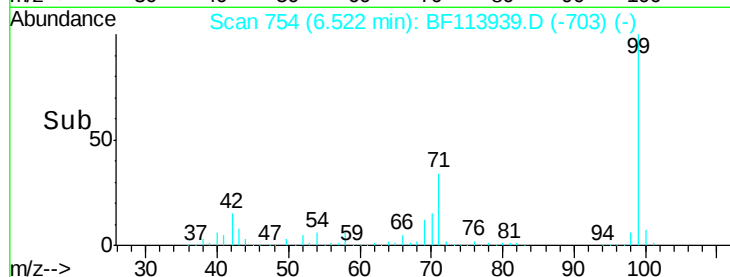
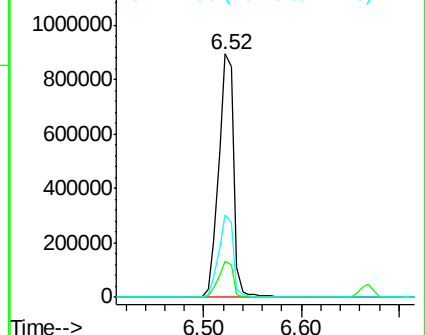
99 100

42 15.1 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: 11.625 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

Tgt Ion: 70 Resp: 72812

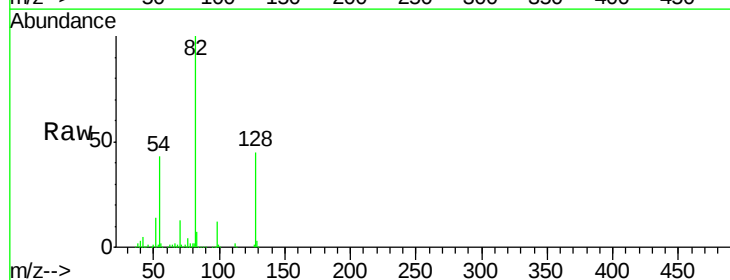
Ion Ratio Lower Upper

70 100

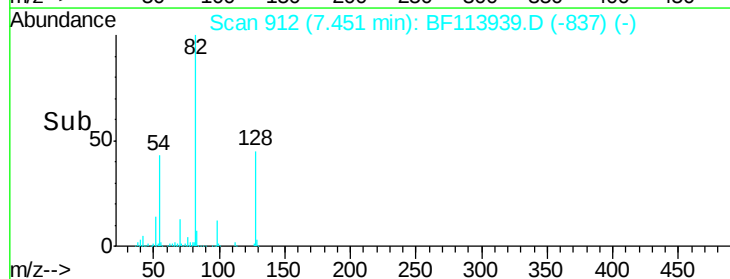
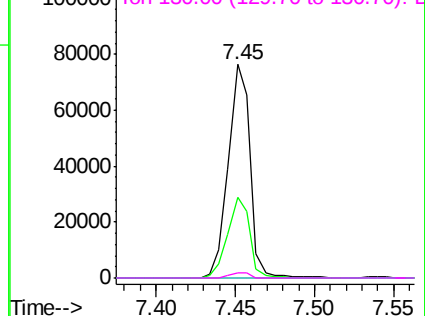
42 37.9 37.3 55.9

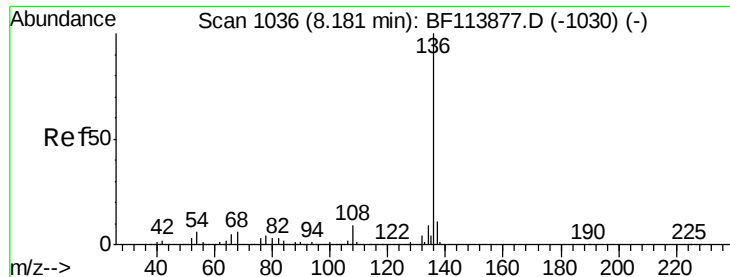
101 0.0 7.8 11.8#

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): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 450608

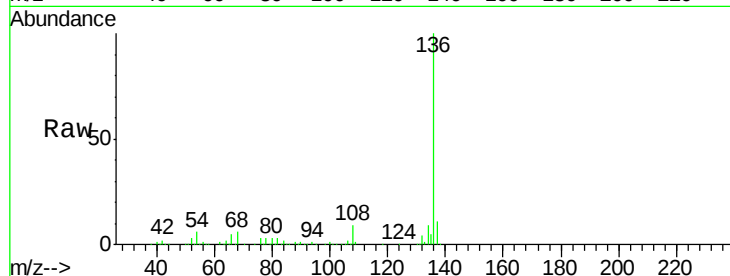
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 5.6 5.0 7.6

68 5.6 4.9 7.3

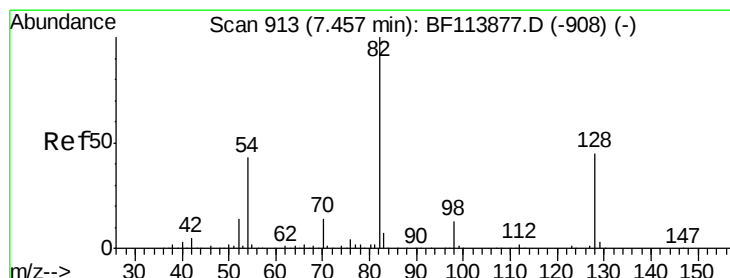
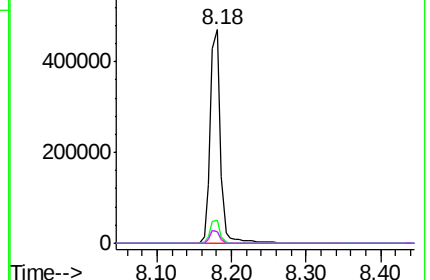
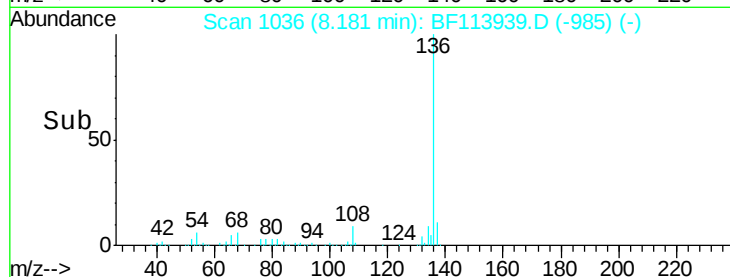


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.364 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

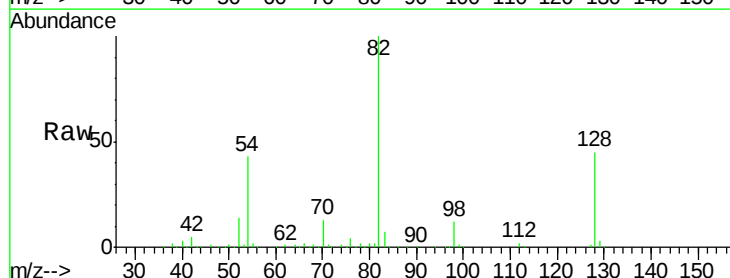
Tgt Ion: 82 Resp: 550005

Ion Ratio Lower Upper

82 100

128 45.0 36.8 55.2

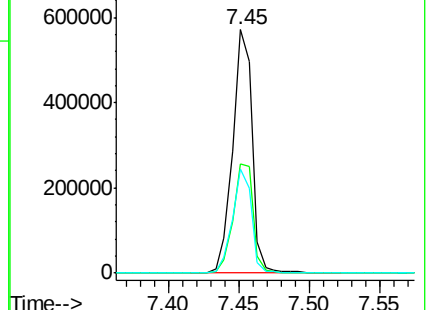
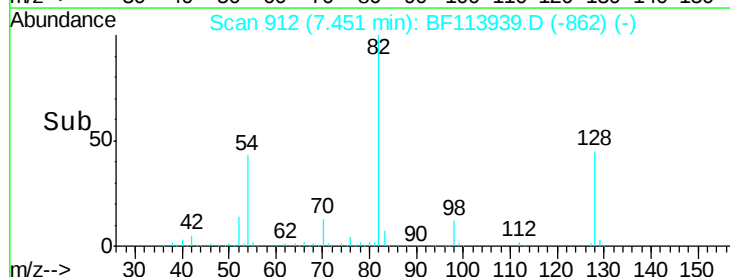
54 42.9 33.8 50.6



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: 36.659 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

Instrument :

BNA_F

ClientSampleId :

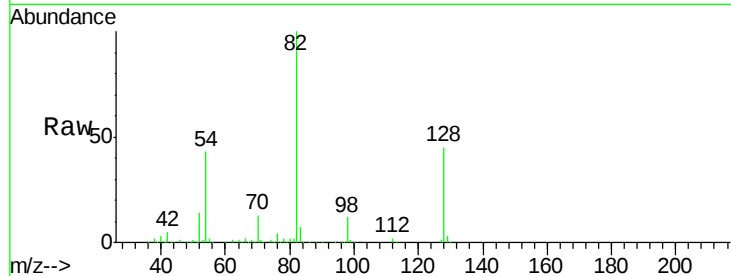
Tot Ion: 82 Resp: 547426

Ion Ratio Lower Upper

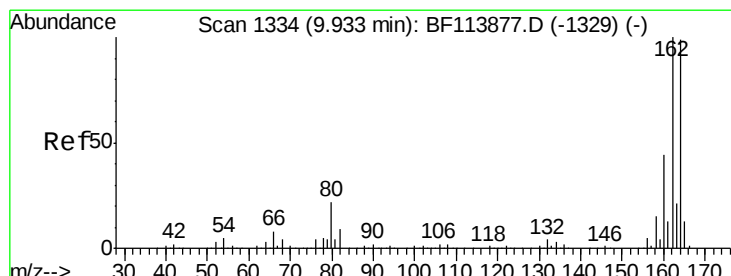
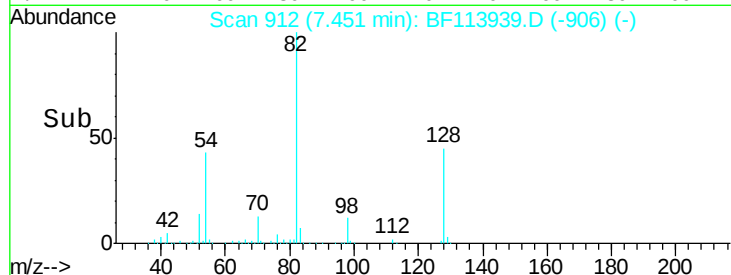
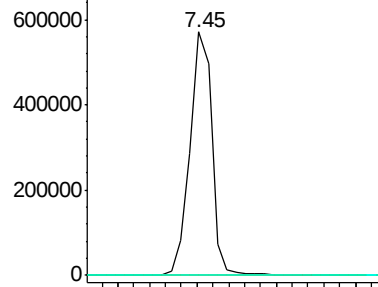
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

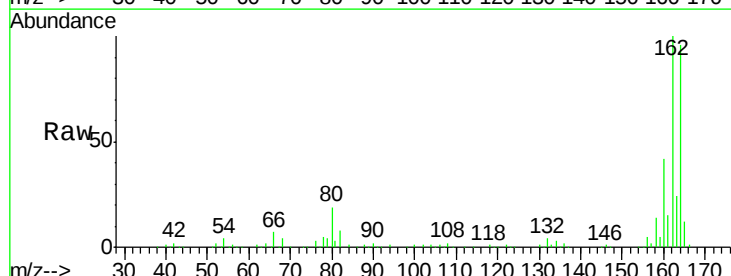
Tgt Ion:164 Resp: 198936

Ion Ratio Lower Upper

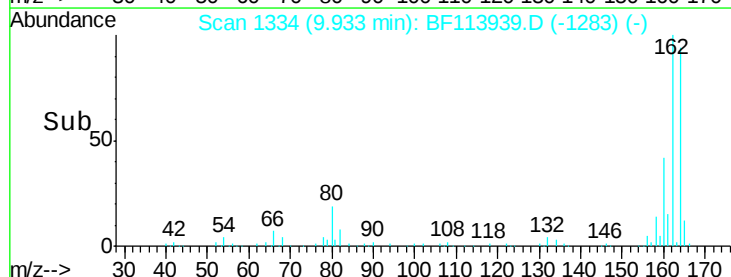
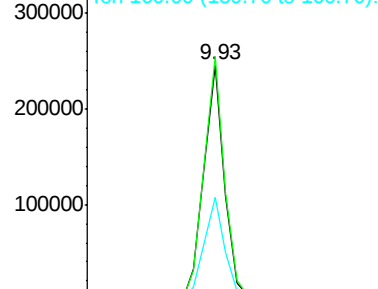
164 100

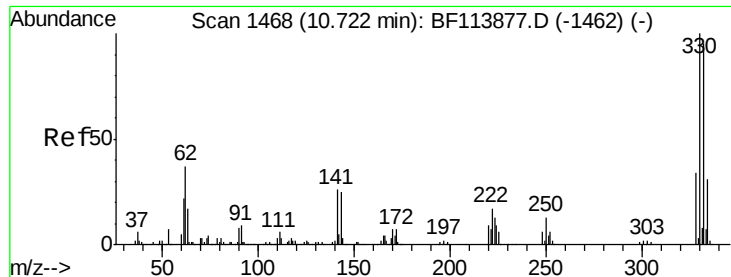
162 103.8 81.1 121.7

160 43.8 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: 96.744 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

Instrument :

BNA_F

ClientSampleId :

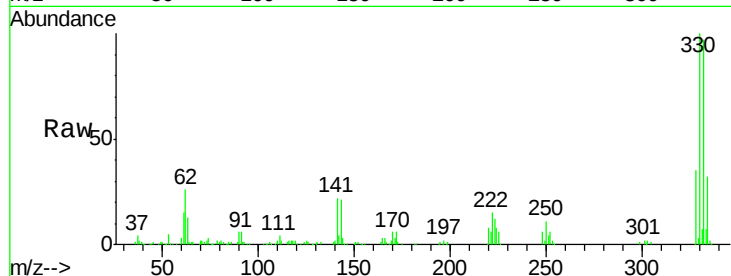
Tot Ion:330 Resp: 234455

Ion Ratio Lower Upper

330 100

332 96.4 77.5 116.3

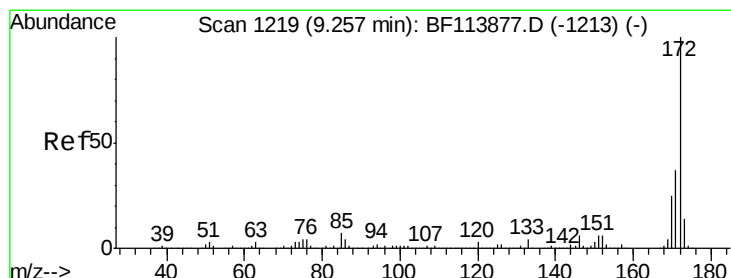
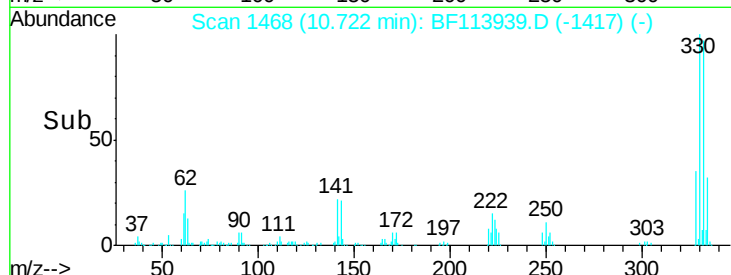
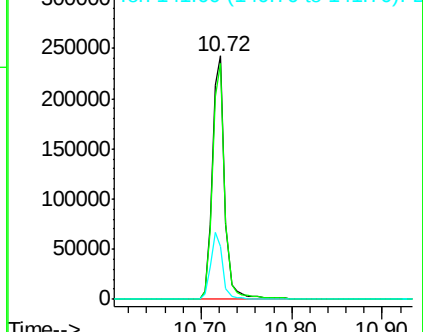
141 26.8 22.2 33.2



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: 76.446 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

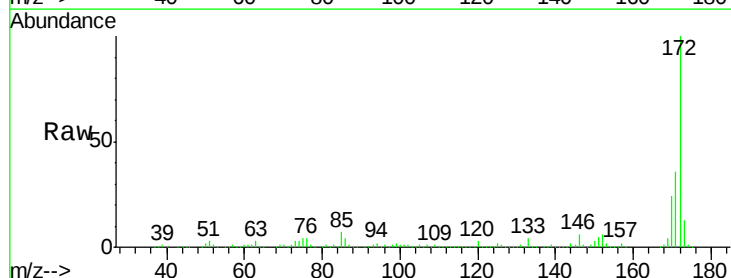
Tgt Ion:172 Resp: 972349

Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.0

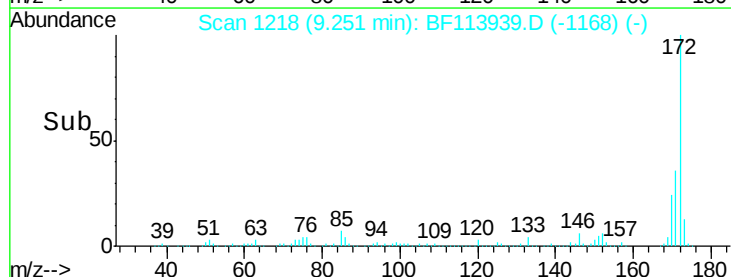
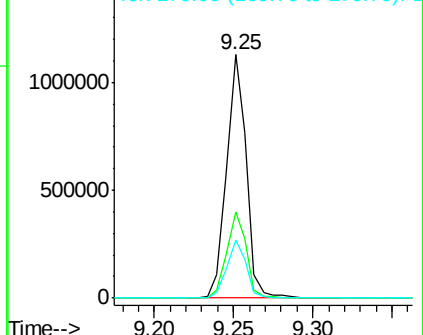
170 24.0 19.9 29.9

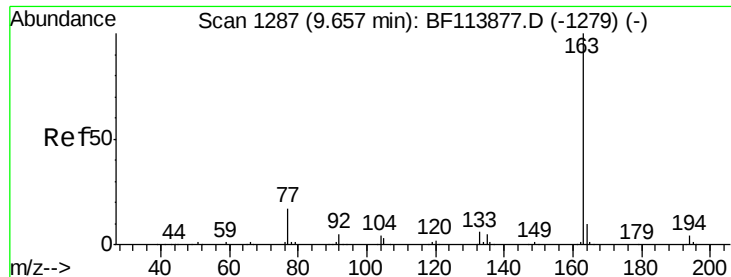


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.552 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

Instrument :

BNA_F

ClientSampleId :

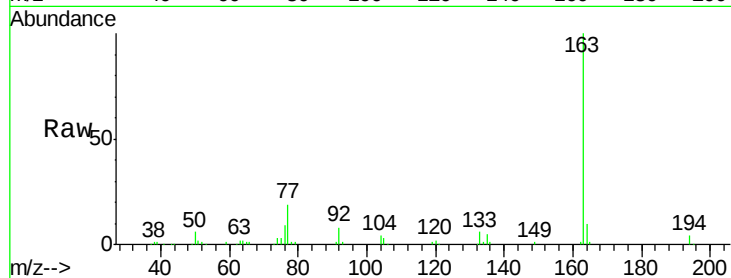
Tot Ion:163 Resp: 137434

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

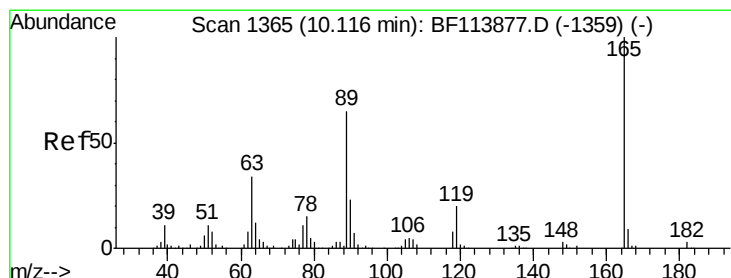
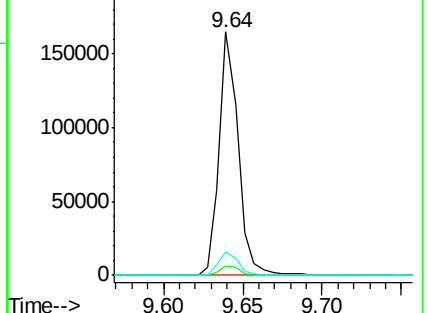
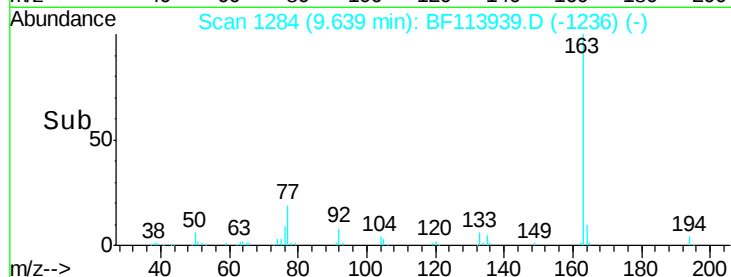
164 9.5 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.484 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

Tgt Ion:165 Resp: 25260

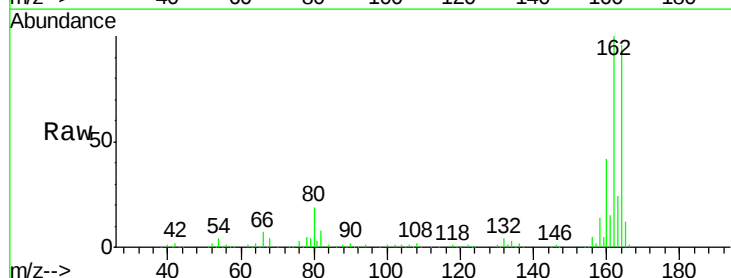
Ion Ratio Lower Upper

165 100

63 1.4 27.4 41.0#

89 1.7 51.8 77.6#

182 0.0 2.2 3.2#

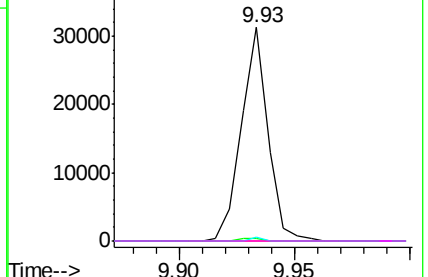
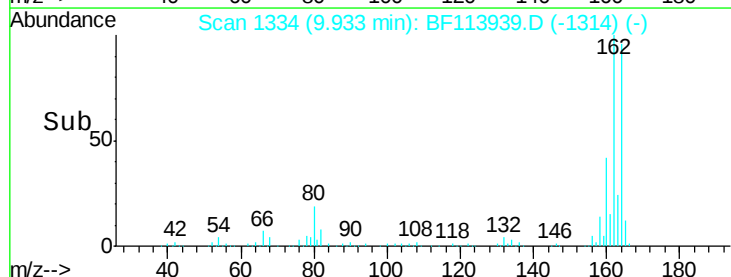


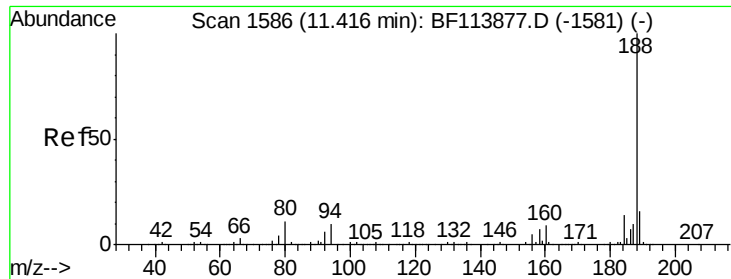
Abundance Ion 165.00 (164.70 to 165.70): E

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

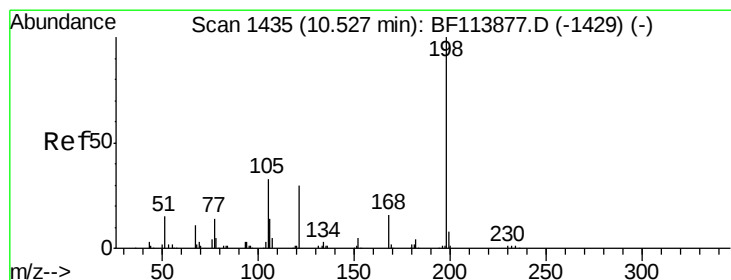
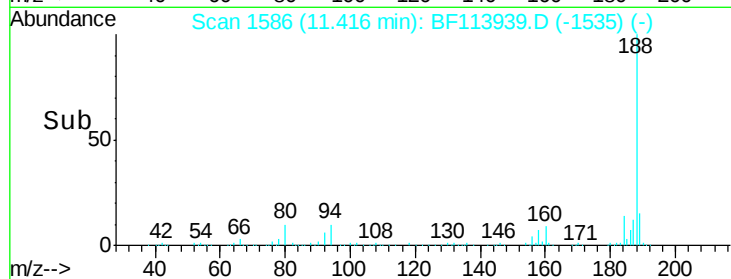
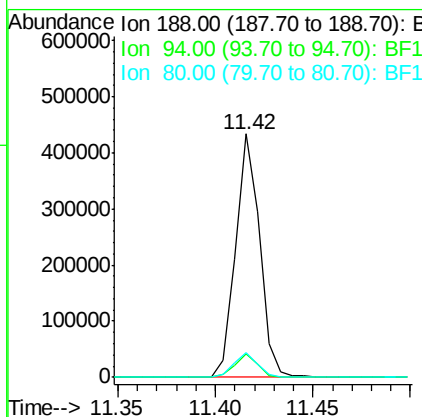
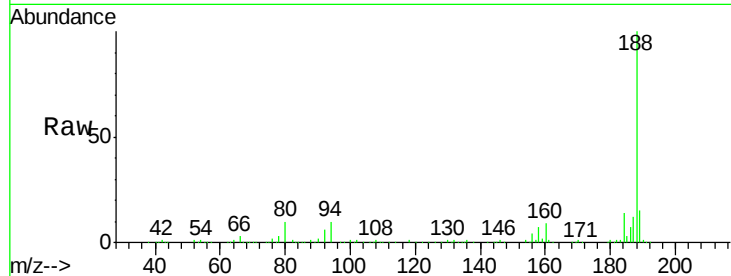




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113939.D
 Acq: 23 Apr 2019 23:38

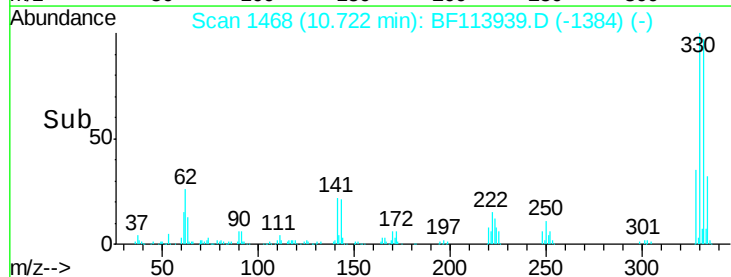
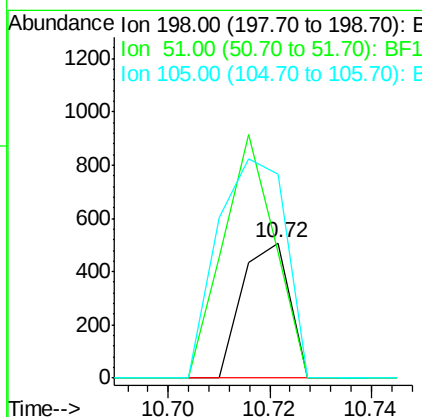
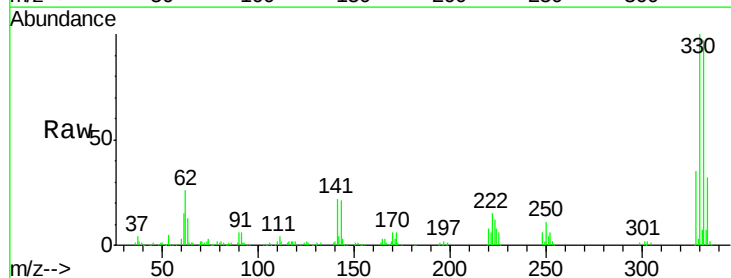
Instrument :
 BNA_F
 ClientSampled :

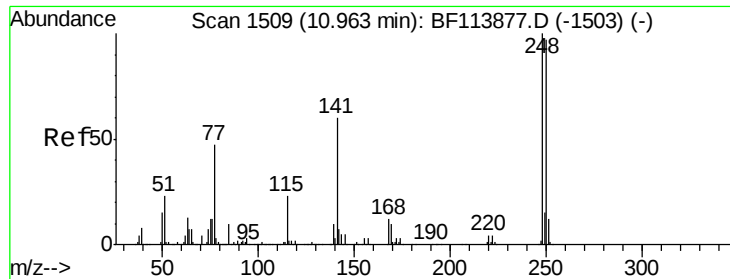
Tot Ion:188 Resp: 370340
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.2 12.4
 80 10.2 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.474 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.19 min
 Lab File: BF113939.D
 Acq: 23 Apr 2019 23:38

Tgt Ion:198 Resp: 332
 Ion Ratio Lower Upper
 198 100
 51 93.1 11.1 51.1#
 105 151.3 20.7 60.7#

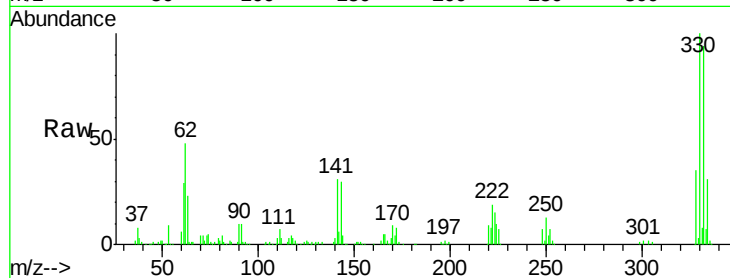




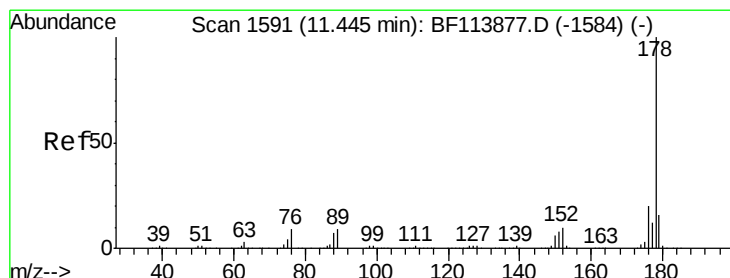
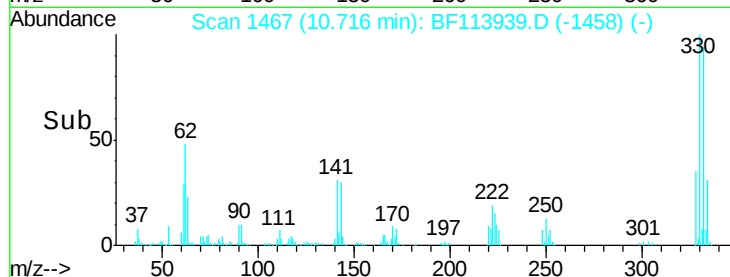
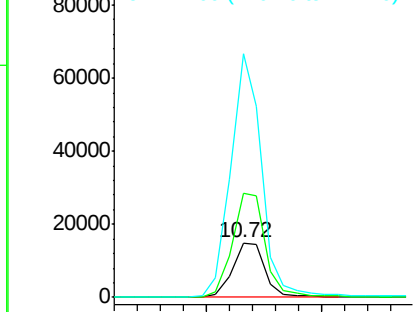
#67
 4-Bromophenyl-phenylether
 Concen: 3.243 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113939.D
 Acq: 23 Apr 2019 23:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14508
 Ion Ratio Lower Upper
 248 100
 250 191.9 75.8 113.6#
 141 449.1 50.2 75.4#

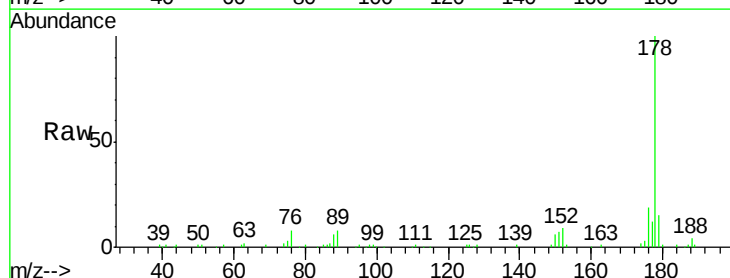


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

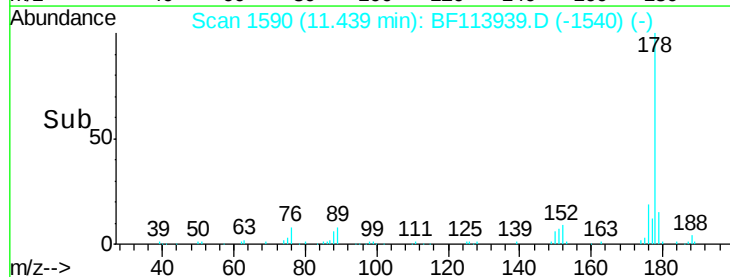
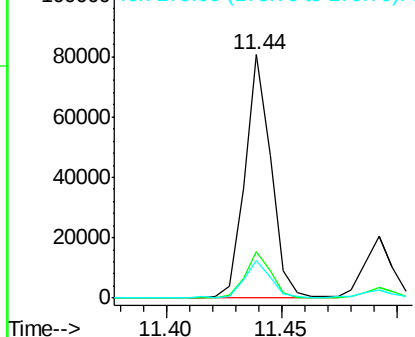


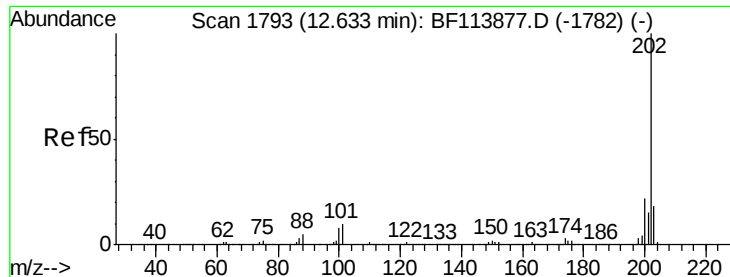
#71
 Phenanthrene
 Concen: 3.440 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113939.D
 Acq: 23 Apr 2019 23:38

Tgt Ion:178 Resp: 64026
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.1 24.1
 179 15.2 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





#75

Fluoranthene

Concen: 9.289 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

Instrument :

BNA_F

ClientSampleId :

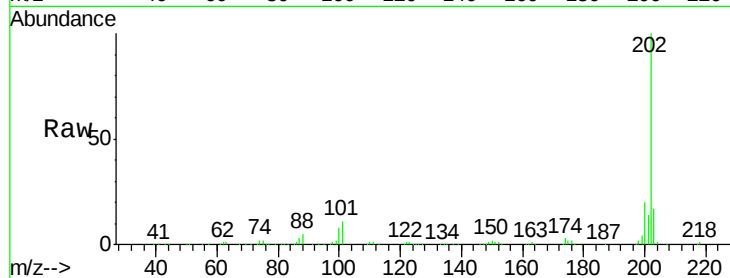
Tot Ion:202 Resp: 188620

Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.9

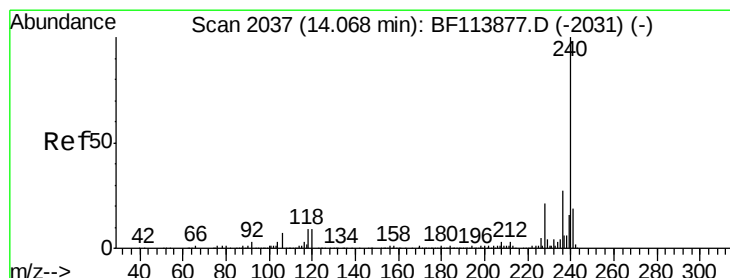
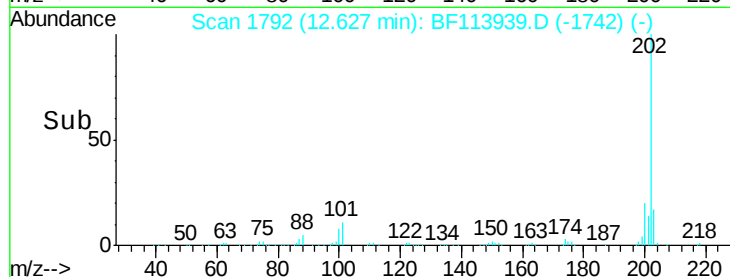
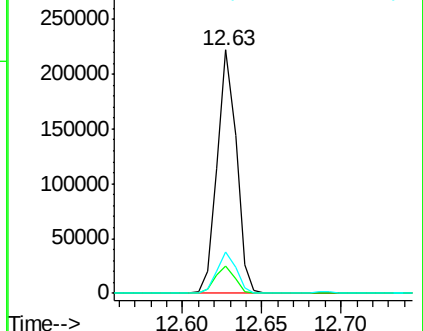
203 17.0 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

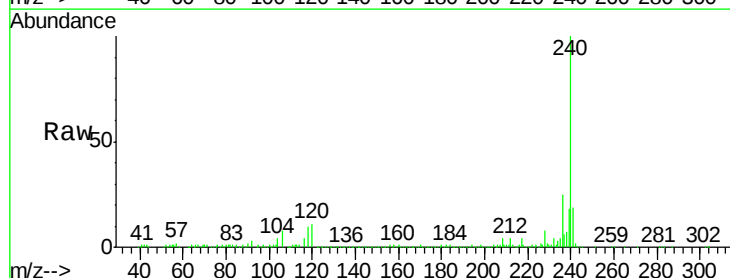
Tgt Ion:240 Resp: 375177

Ion Ratio Lower Upper

240 100

120 11.2 9.3 13.9

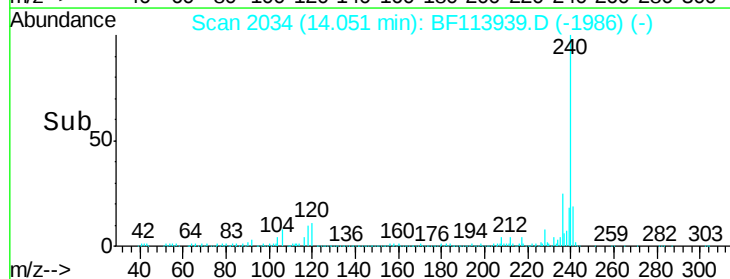
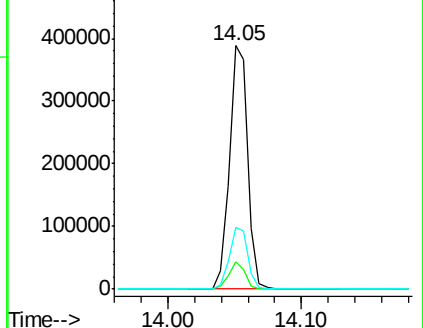
236 25.4 21.2 31.8

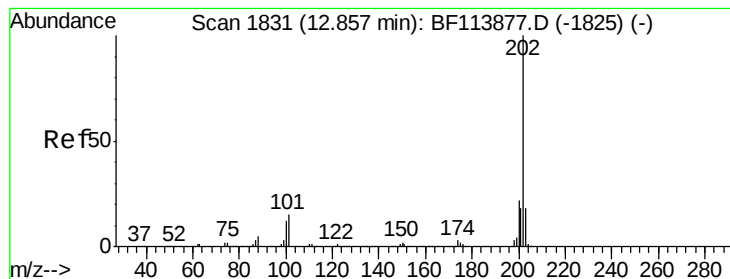


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.279 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

Instrument :

BNA_F

ClientSampleId :

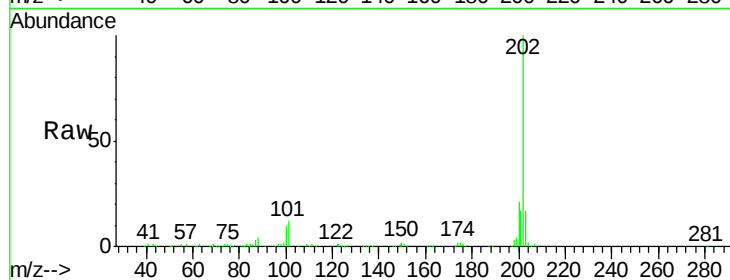
Tot Ion:202 Resp: 138503

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

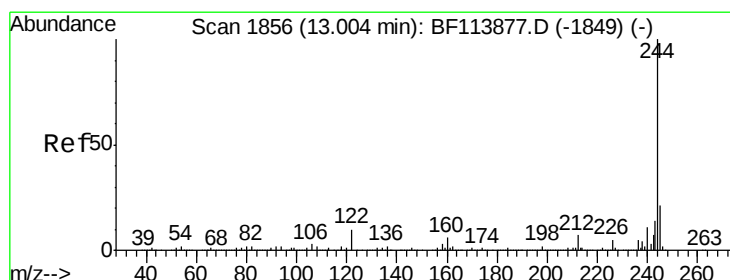
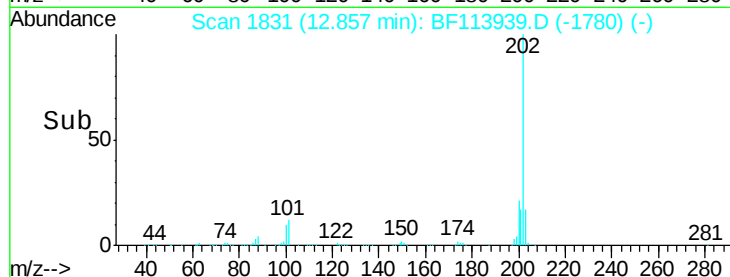
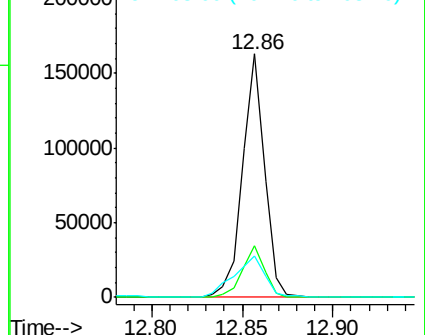
203 16.8 15.0 22.6



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: 57.218 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

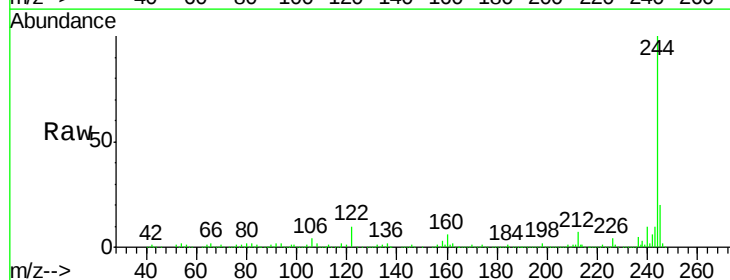
Tgt Ion:244 Resp: 1047091

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

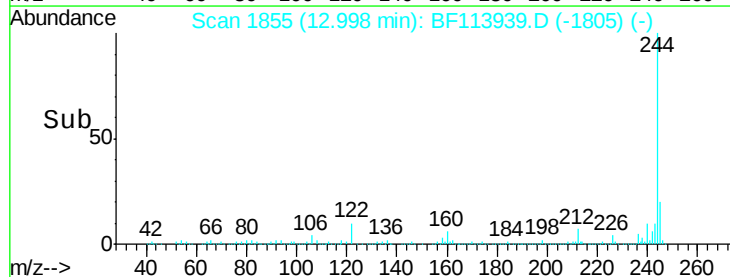
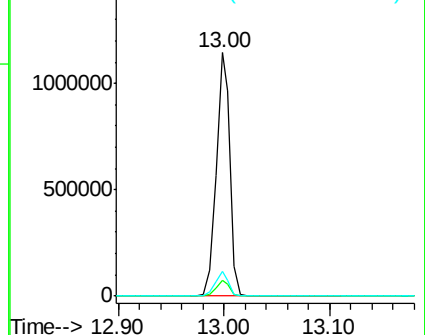
122 10.4 7.6 11.4

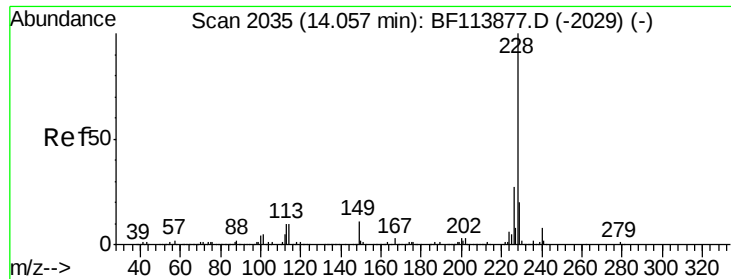


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.035 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

Instrument :

BNA_F

ClientSampleId :

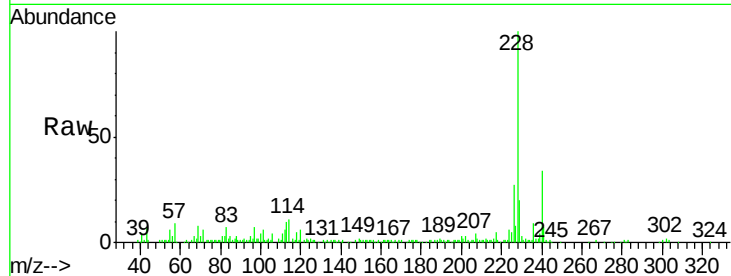
Tot Ion:228 Resp: 89198

Ion Ratio Lower Upper

228 100

226 26.5 22.2 33.2

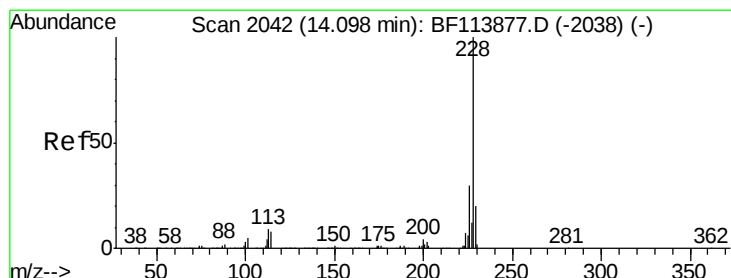
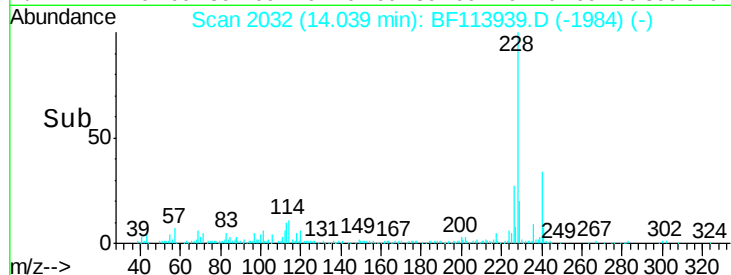
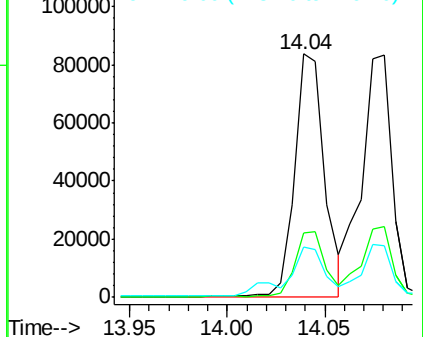
229 20.4 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 4.216 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113939.D

Acq: 23 Apr 2019 23:38

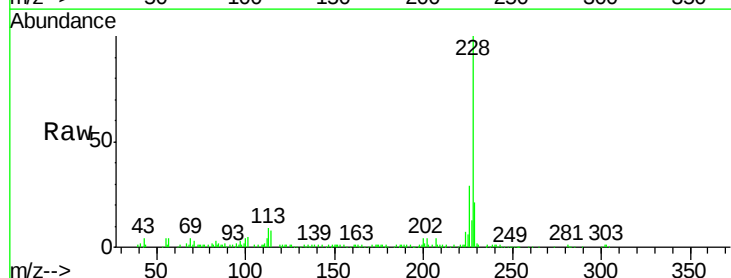
Tgt Ion:228 Resp: 90753

Ion Ratio Lower Upper

228 100

226 29.1 25.2 37.8

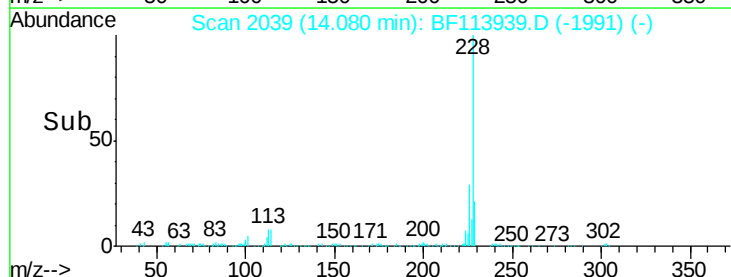
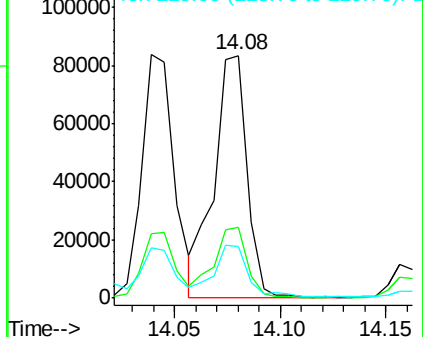
229 21.3 16.7 25.1

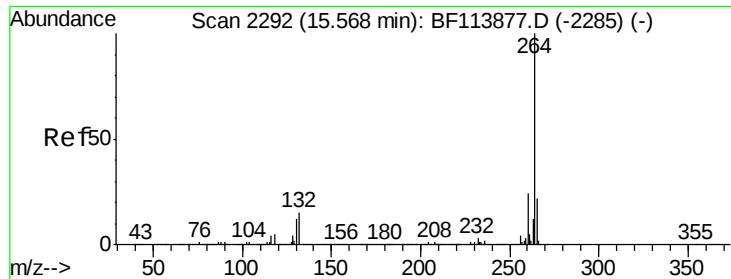


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



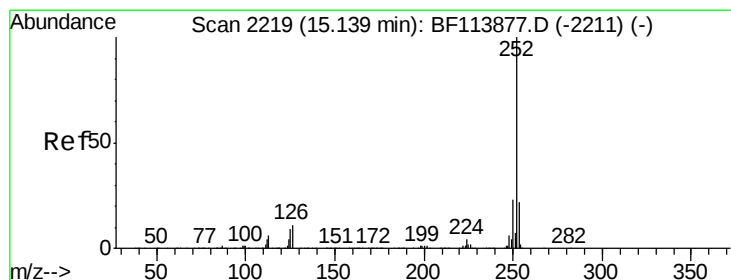
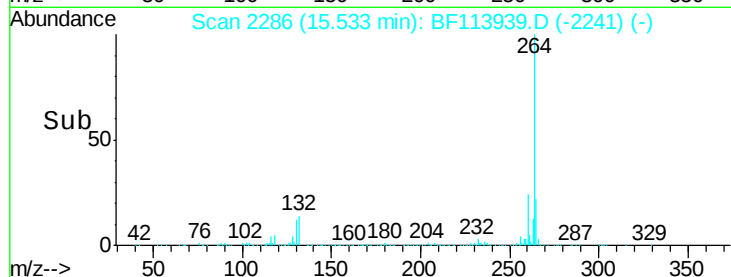
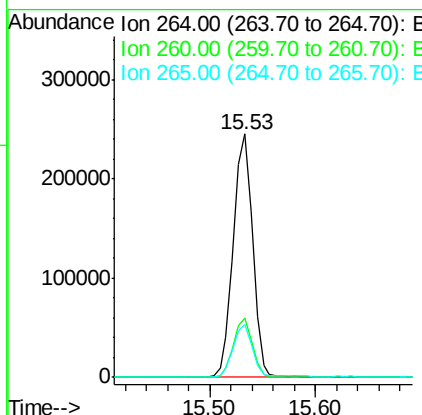
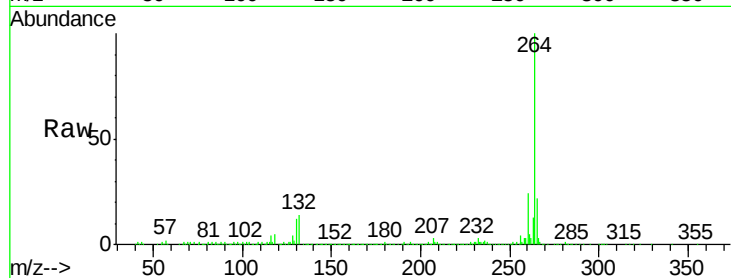


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.04 min
Lab File: BF113939.D
Acq: 23 Apr 2019 23:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 310356

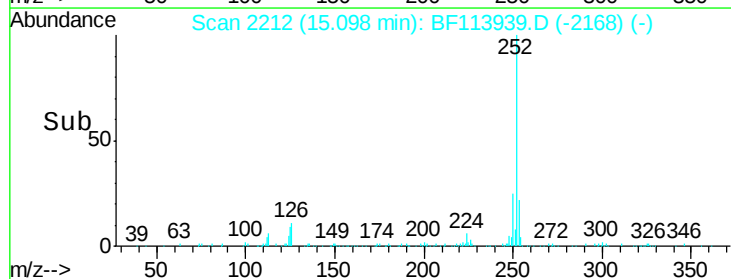
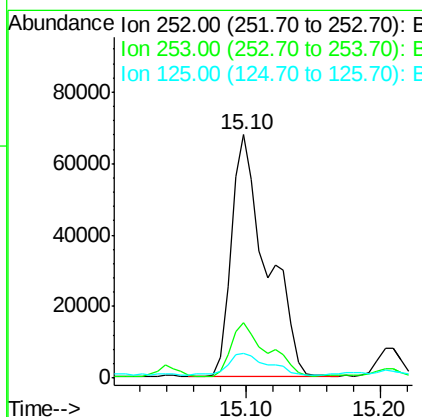
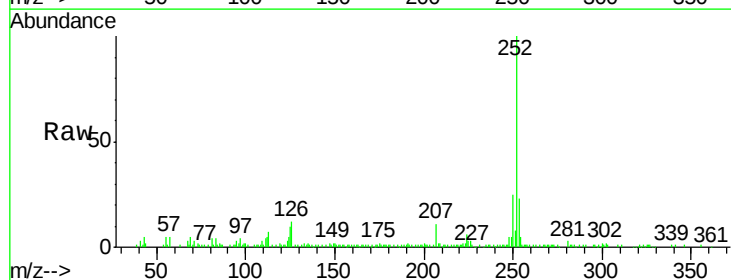
Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.9	28.3
265	21.8	17.3	25.9

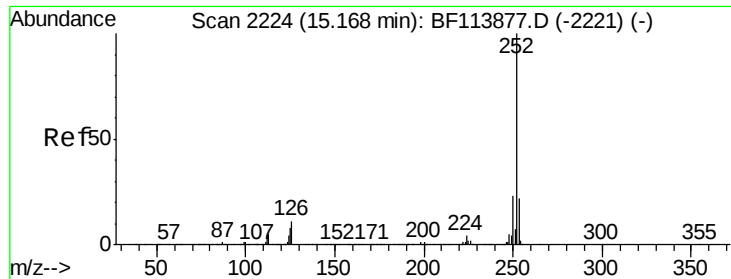


#88
Benzo(b)fluoranthene
Concen: 6.358 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF113939.D
Acq: 23 Apr 2019 23:38

Tgt Ion:252 Resp: 124839

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	10.4	7.0	10.6

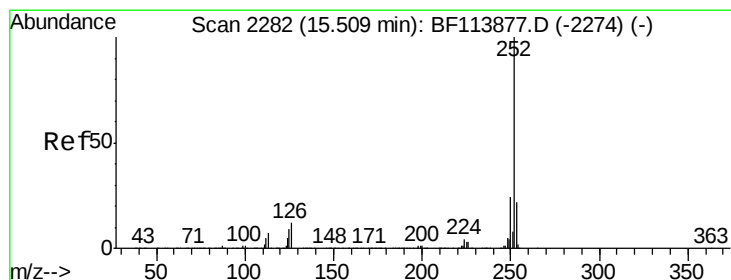
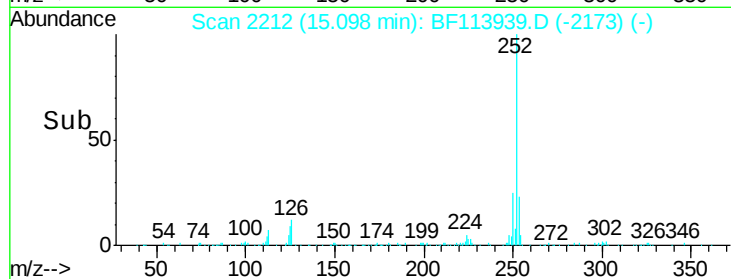
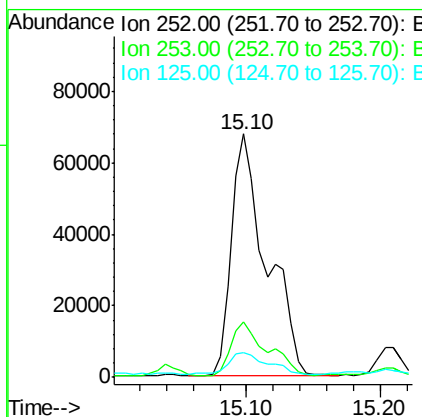
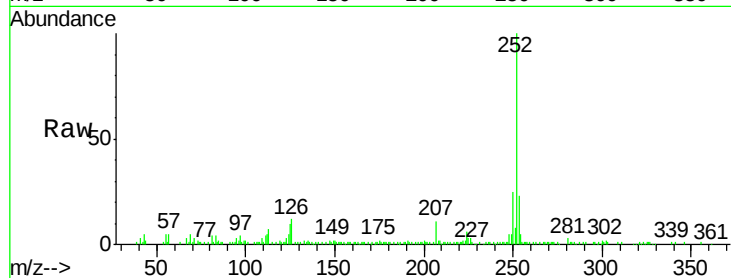




#89
Benzo(k)fluoranthene
Concen: 7.391 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.07 min
Lab File: BF113939.D
Acq: 23 Apr 2019 23:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	10.4	7.4	11.2



#90
Benzo(a)pyrene
Concen: 2.926 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF113939.D
Acq: 23 Apr 2019 23:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	10.8	8.5	12.7

