

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113946.D
 Acq On : 24 Apr 2019 3:40
 Operator : JU/SJ
 Sample : K2526-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 05:20:08 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

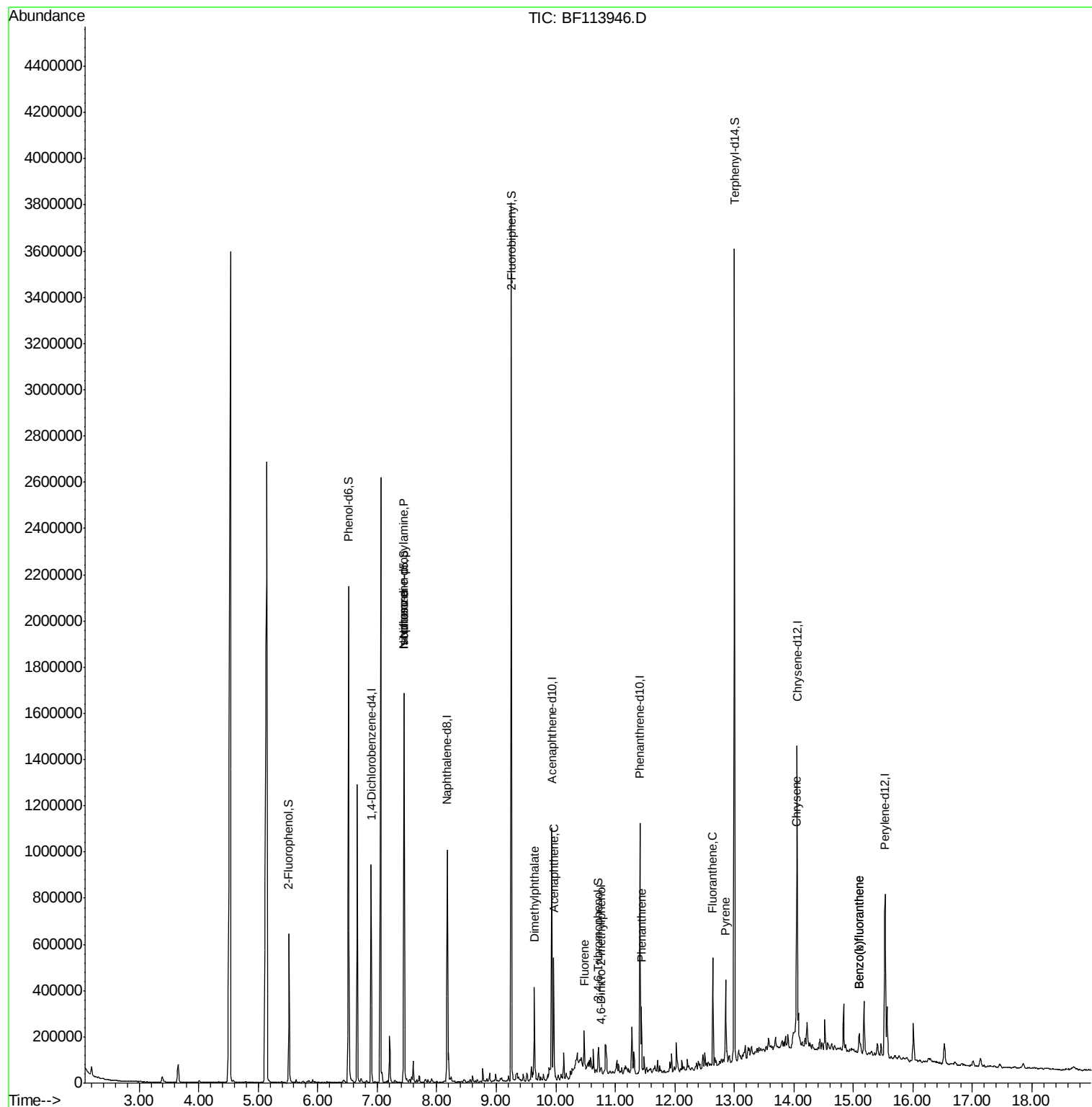
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	139551	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	484690	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	214195	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	379342	20.00	ng	0.00
76) Chrysene-d12	14.05	240	408038	20.00	ng	-0.02
87) Perylene-d12	15.53	264	348892	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	187188	22.94	ng	0.00
7) Phenol-d6	6.52	99	765063	74.74	ng	0.00
23) Nitrobenzene-d5	7.45	82	615781	78.44	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	8152	3.12	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1181805	86.29	ng	0.00
79) Terphenyl-d14	13.00	244	1327832	66.72	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	1539	Below Cal		87
19) n-Nitroso-di-n-propylamine	7.45	70	82813	12.492 ng	#	77
25) Isophorone	7.45	82	615769	38.336 ng	#	65
50) Dimethylphthalate	9.64	163	155262	10.023 ng		98
52) Acenaphthene	9.96	154	100264	8.144 ng		96
58) Fluorene	10.48	166	44774	3.225 ng		99
65) 4,6-Dinitro-2-methylphenol	10.75	198	375	7.491 ng	#	21
71) Phenanthrene	11.44	178	94909	4.978 ng		97
75) Fluoranthene	12.64	202	164033	7.886 ng		98
78) Pyrene	12.86	202	133596	4.682 ng		98
83) Chrysene	14.04	228	47635	2.035 ng		94
88) Benzo(b)fluoranthene	15.10	252	62984	2.853 ng	#	95
89) Benzo(k)fluoranthene	15.10	252	62984	3.317 ng	#	96

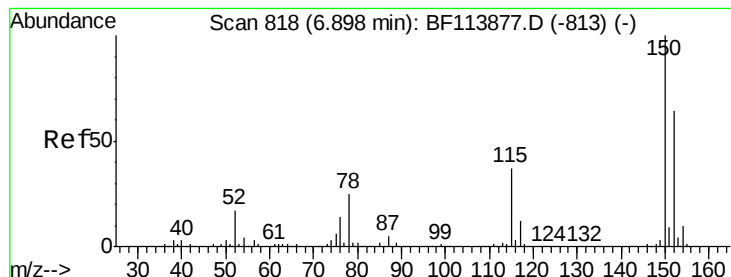
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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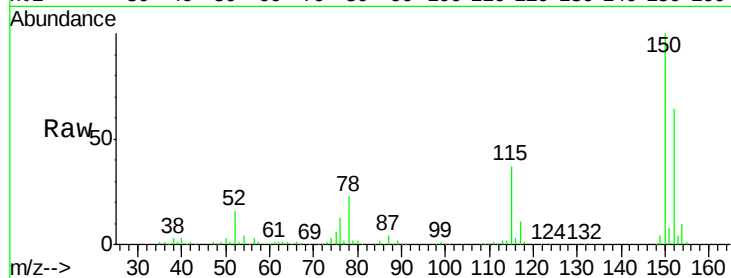


#1

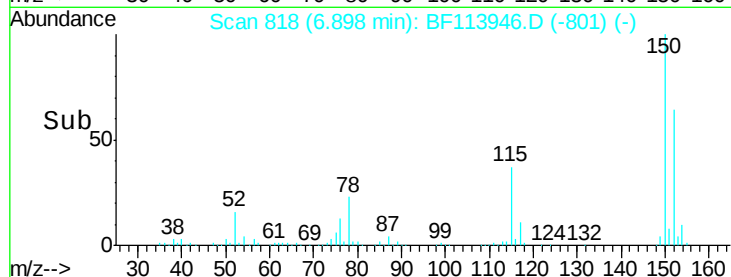
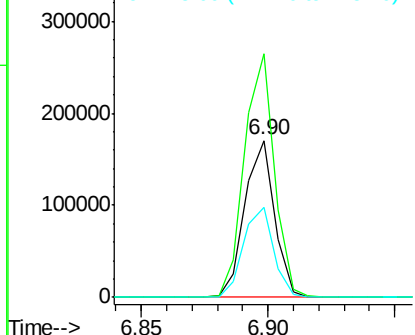
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113946.D
Acq: 24 Apr 2019 3:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.9	188.9
115	57.2	45.9	68.9



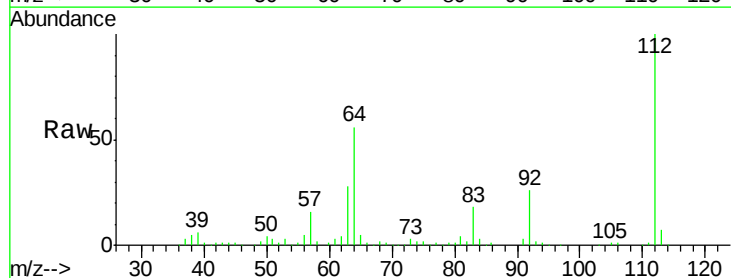
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



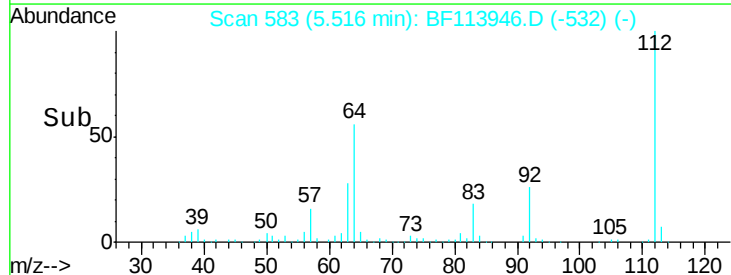
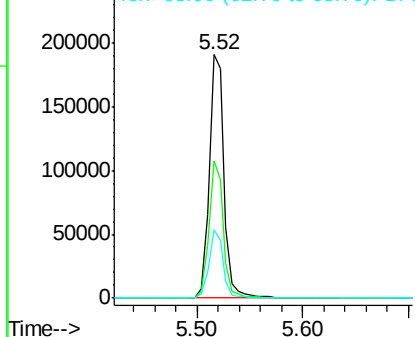
#5

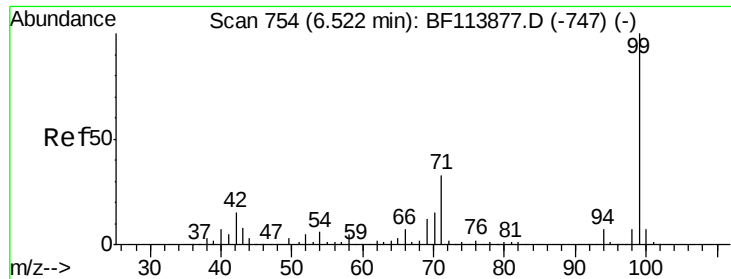
2-Fluorophenol
Concen: 22.942 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF113946.D
Acq: 24 Apr 2019 3:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.6	69.8
63	28.1	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: 74.738 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

Instrument :

BNA_F

ClientSampled :

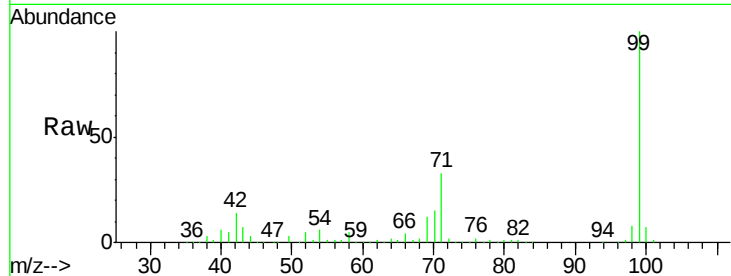
Tot Ion: 99 Resp: 765063

Ion Ratio Lower Upper

99 100

42 14.3 12.5 18.7

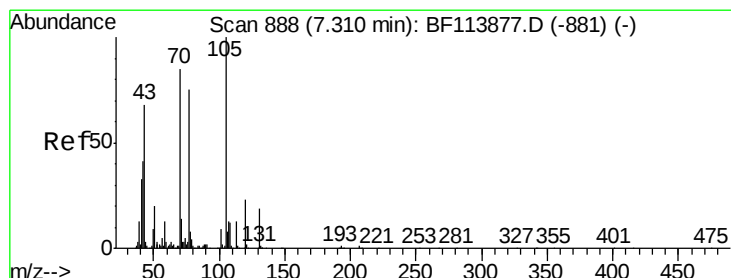
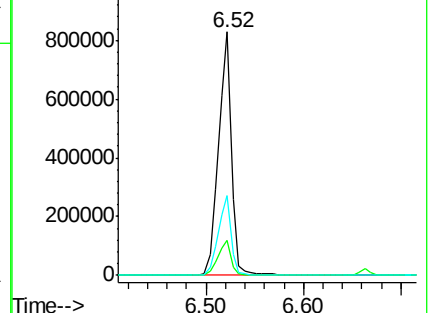
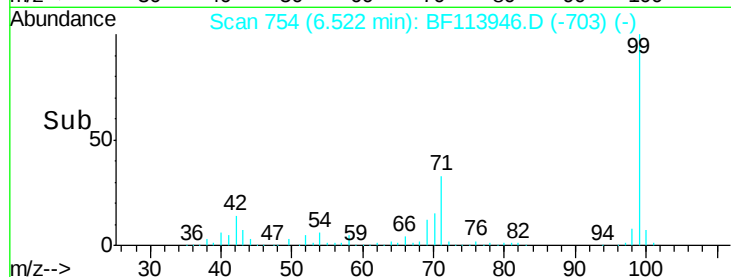
71 32.9 26.9 40.3



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: 12.492 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

Tgt Ion: 70 Resp: 82813

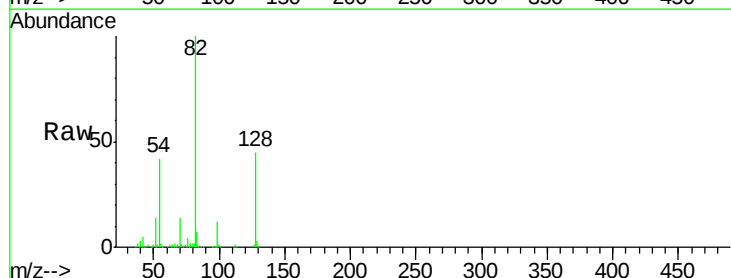
Ion Ratio Lower Upper

70 100

42 38.6 37.3 55.9

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#

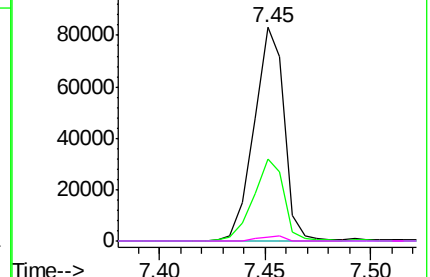
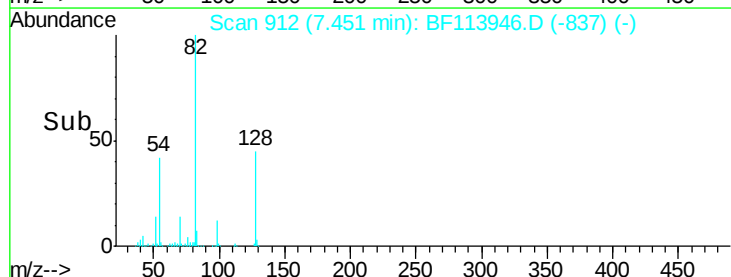


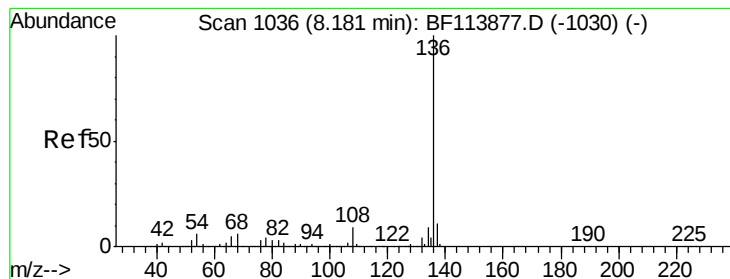
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 484690

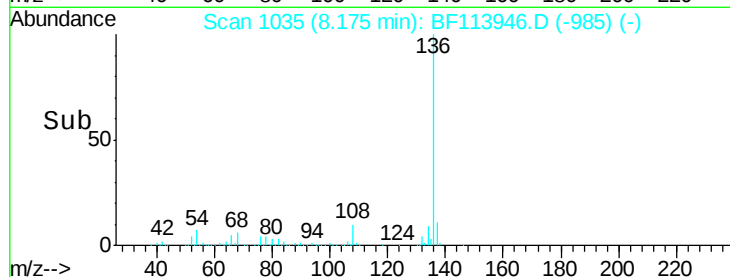
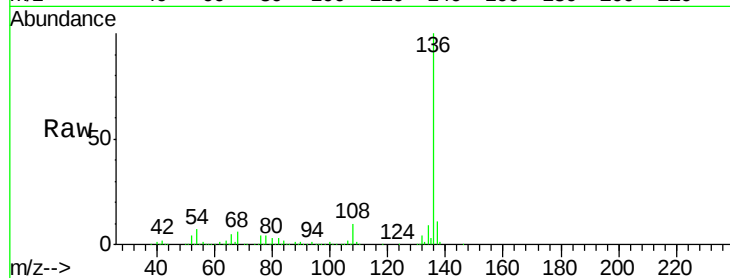
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 6.7 5.0 7.6

68 6.5 4.9 7.3

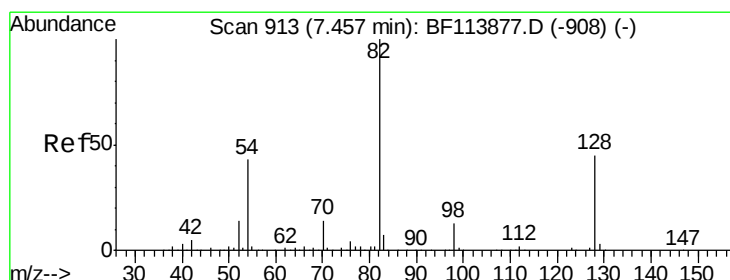
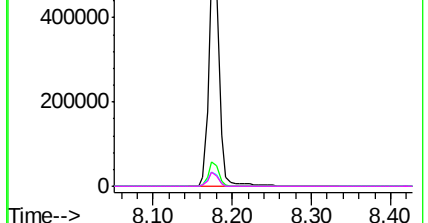


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.443 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

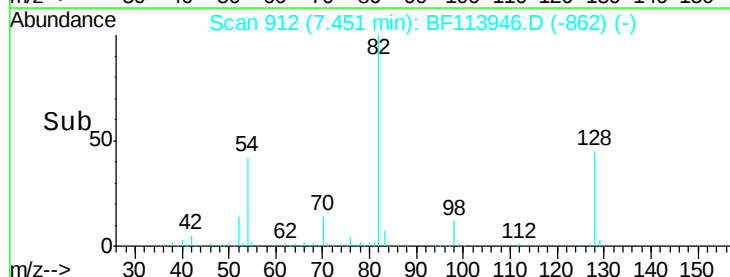
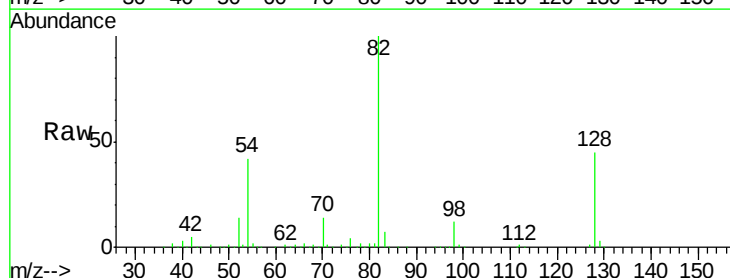
Tgt Ion: 82 Resp: 615781

Ion Ratio Lower Upper

82 100

128 45.0 36.8 55.2

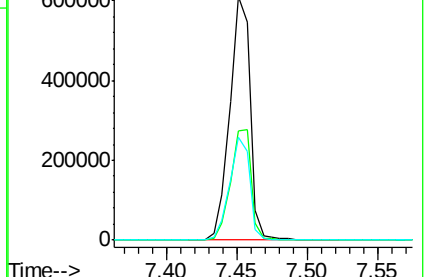
54 42.3 33.8 50.6

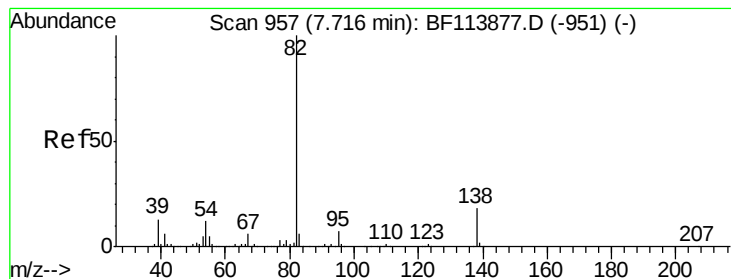


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.336 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

Instrument :

BNA_F

ClientSampleId :

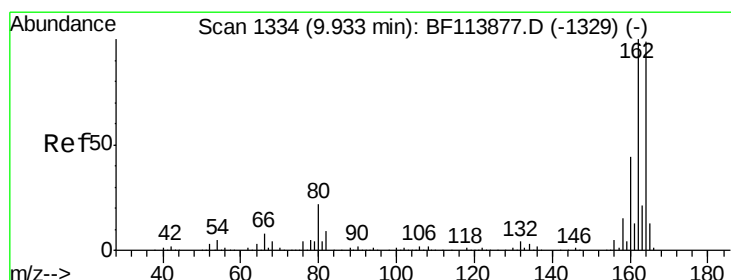
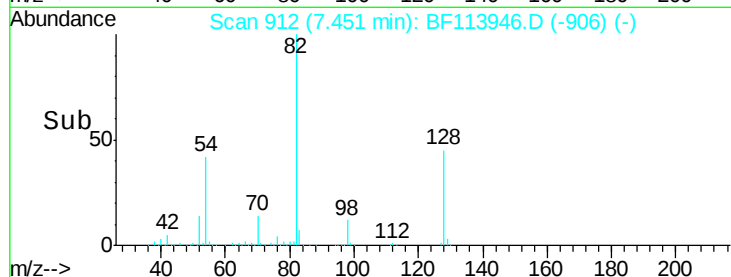
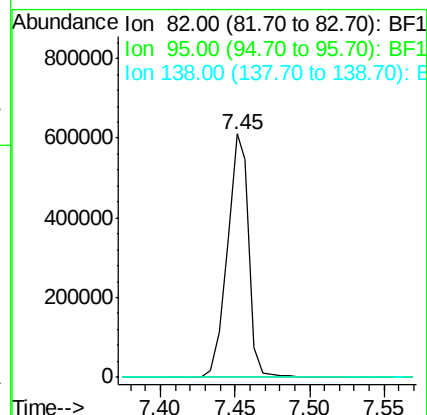
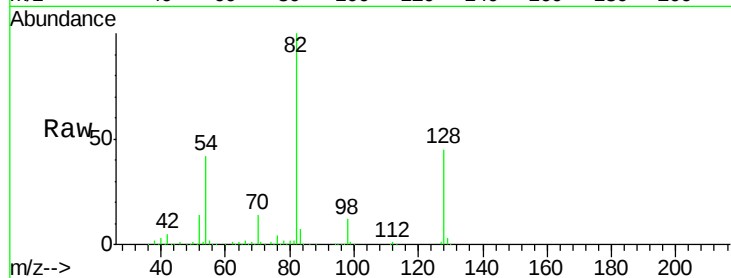
Tot Ion: 82 Resp: 615769

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

138 0.0 14.6 22.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

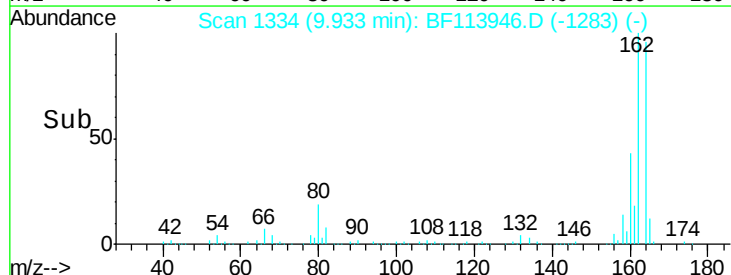
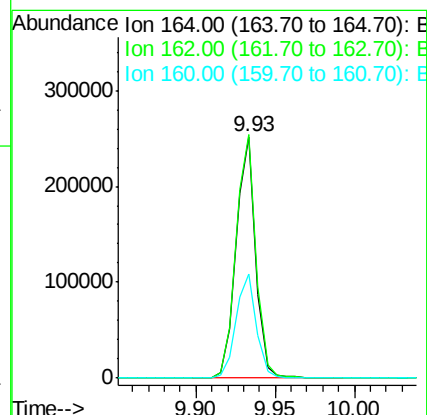
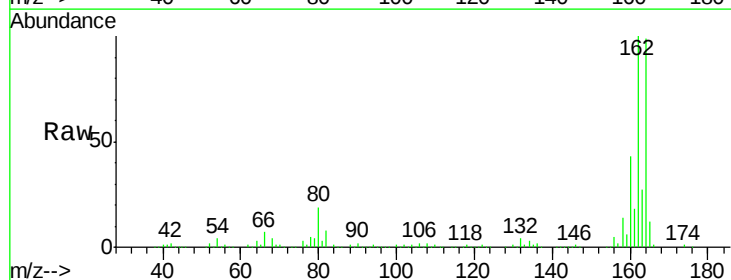
Tgt Ion:164 Resp: 214195

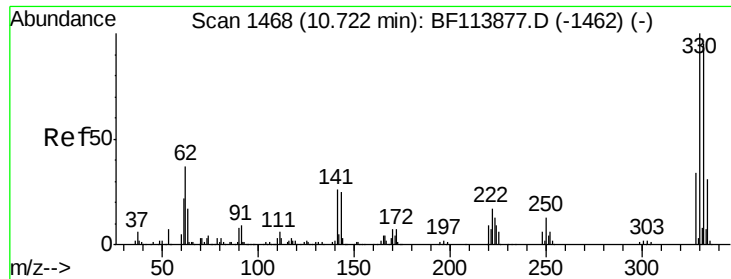
Ion Ratio Lower Upper

164 100

162 101.0 81.1 121.7

160 43.3 35.8 53.6

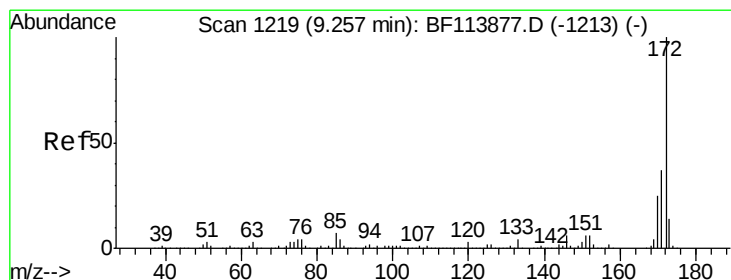
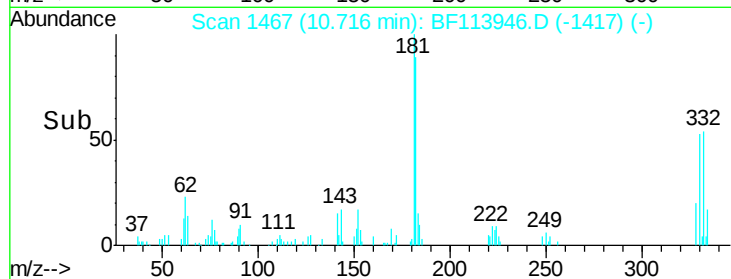
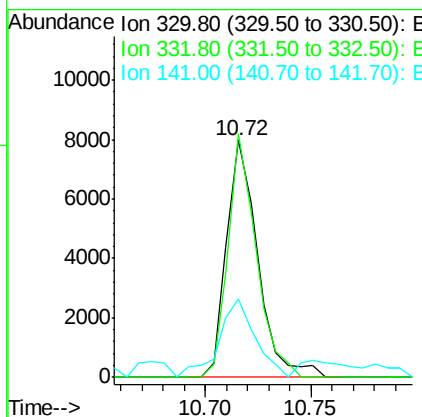
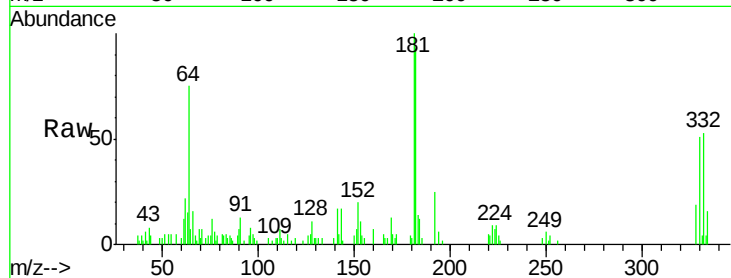




#42
 2,4,6-Tribromophenol
 Concen: 3.124 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113946.D
 Acq: 24 Apr 2019 3:40

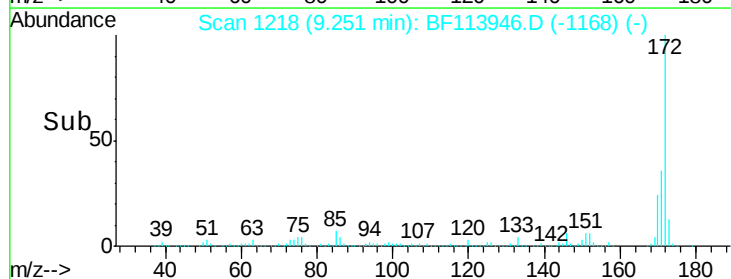
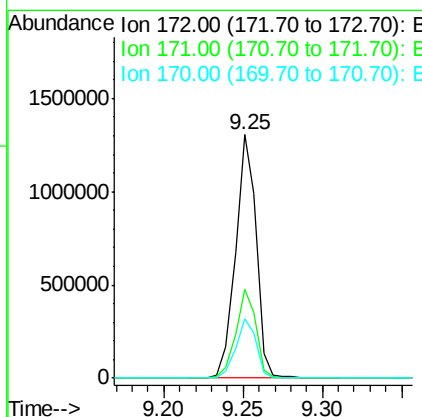
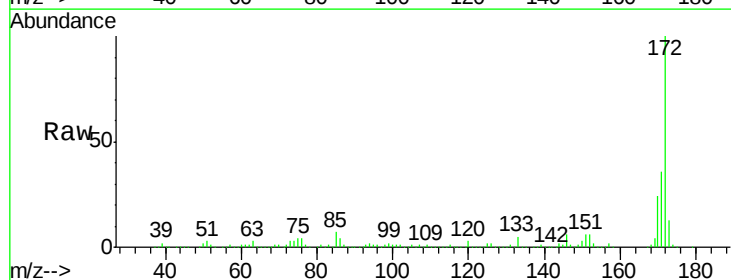
Instrument :
 BNA_F
 ClientSampleId :

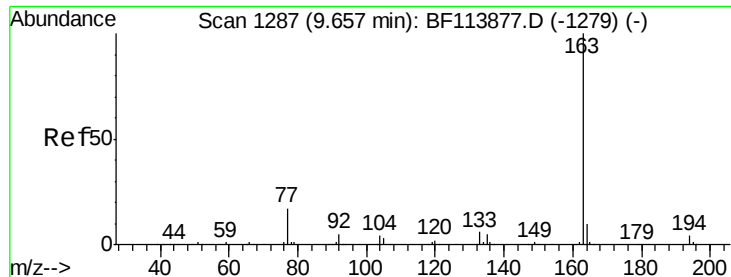
Tot Ion:330 Resp: 8152
 Ion Ratio Lower Upper
 330 100
 332 92.4 77.5 116.3
 141 38.3 22.2 33.2#



#45
 2-Fluorobiphenyl
 Concen: 86.294 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF113946.D
 Acq: 24 Apr 2019 3:40

Tgt Ion:172 Resp: 1181805
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.2 19.9 29.9





#50

Dimethylphthalate

Concen: 10.023 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

Instrument :

BNA_F

ClientSampled :

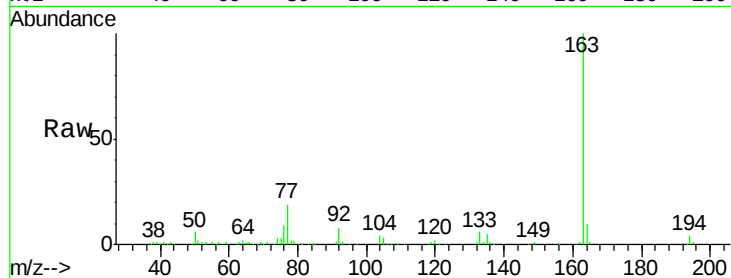
Tot Ion:163 Resp: 155262

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

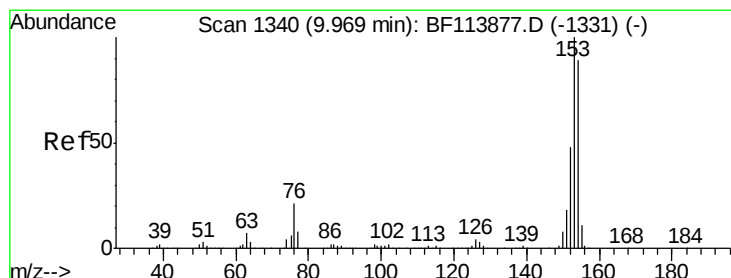
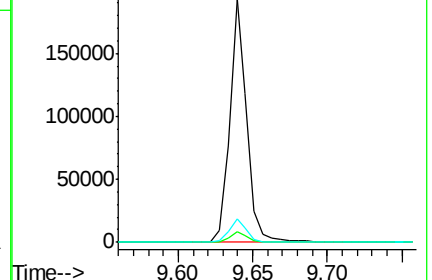
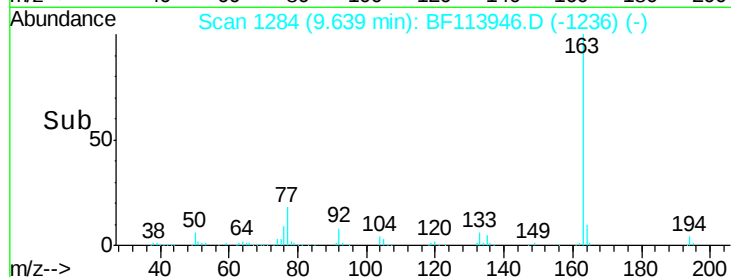
164 9.8 8.5 12.7



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: 8.144 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

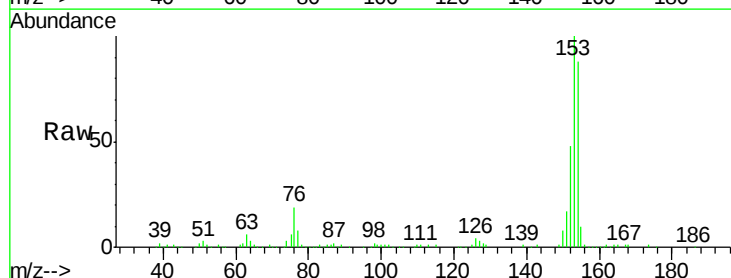
Tgt Ion:154 Resp: 100264

Ion Ratio Lower Upper

154 100

153 114.0 87.2 130.8

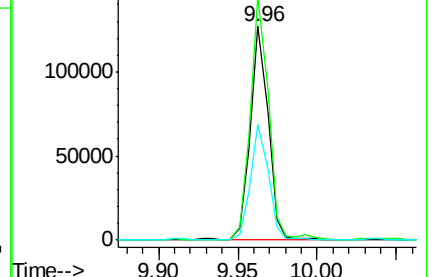
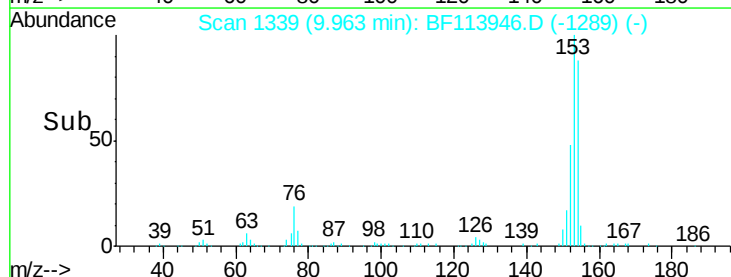
152 54.4 42.3 63.5

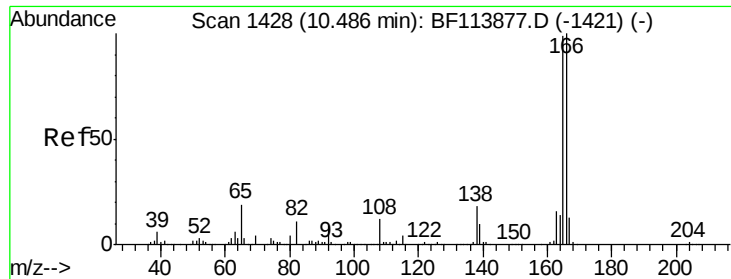


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#58

Fluorene

Concen: 3.225 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

Instrument :

BNA_F

ClientSampleId :

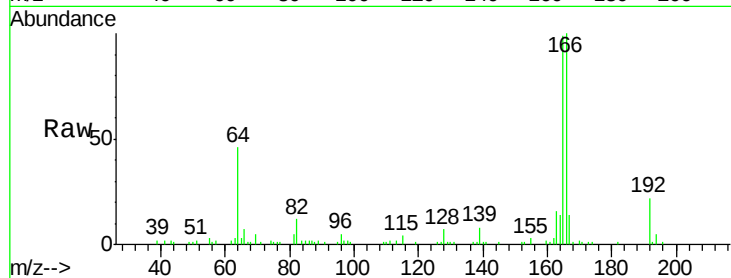
Tot Ion:166 Resp: 44774

Ion Ratio Lower Upper

166 100

165 99.0 78.4 117.6

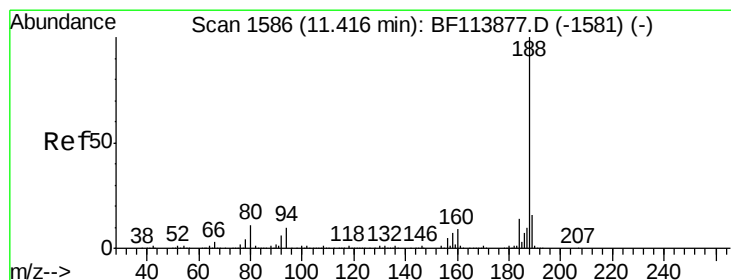
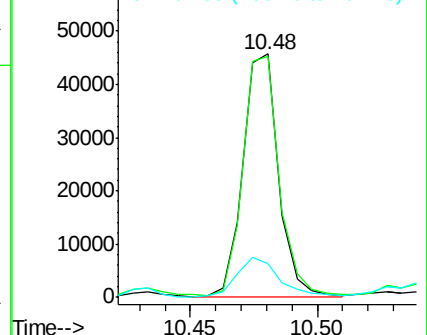
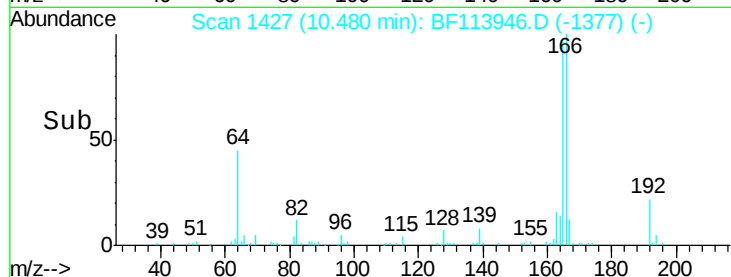
167 13.8 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

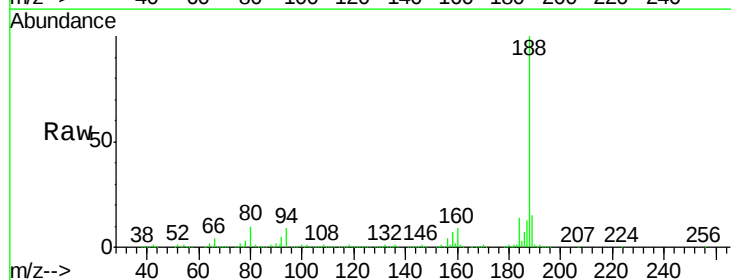
Tgt Ion:188 Resp: 379342

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.4

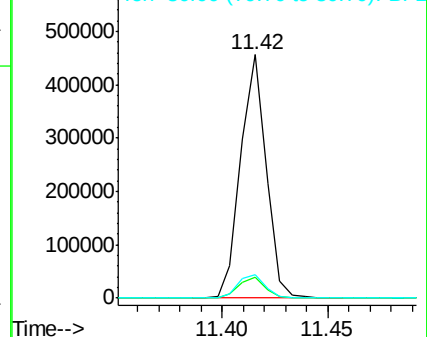
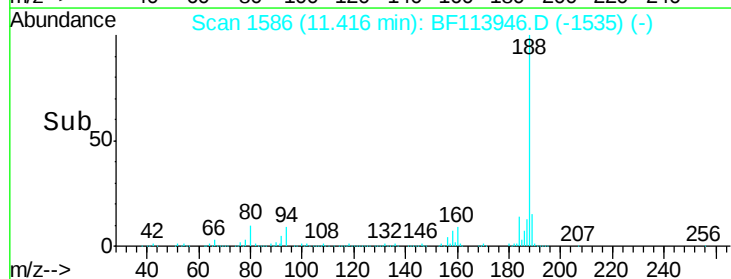
80 9.7 9.0 13.6

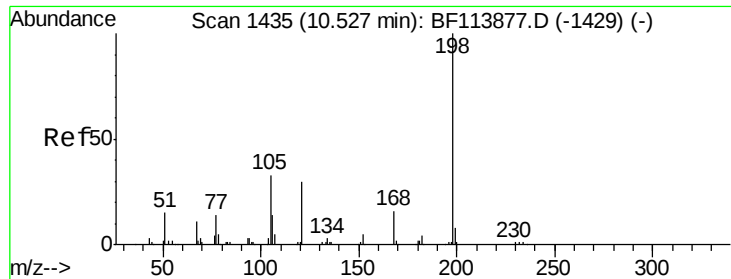


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

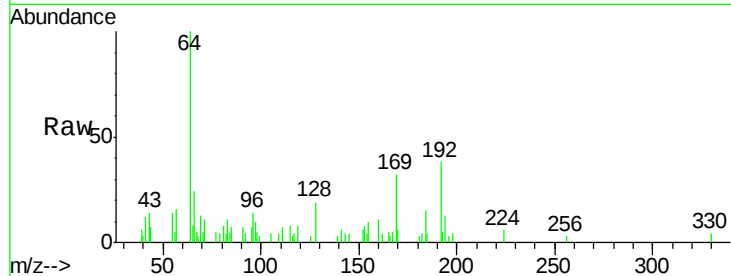




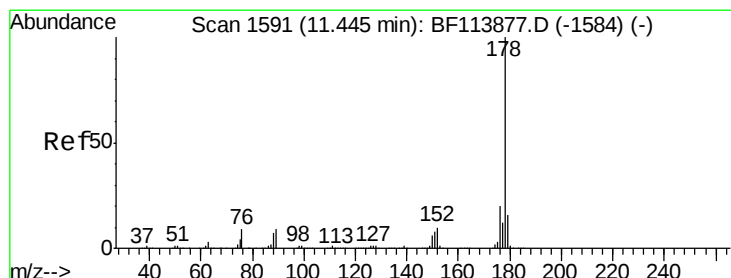
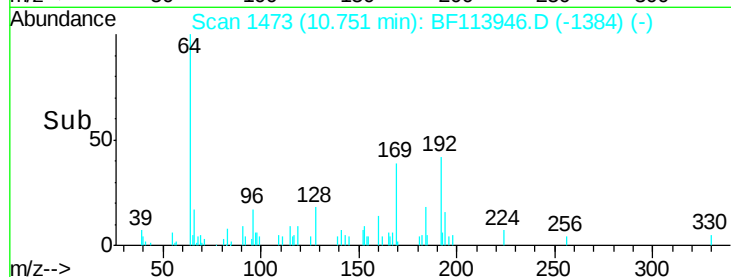
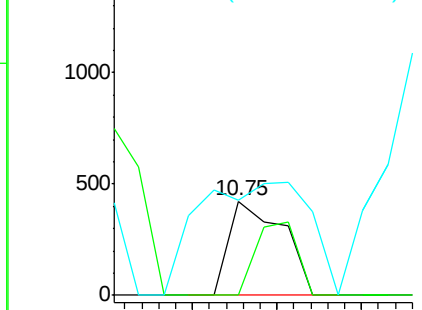
#65
4,6-Dinitro-2-methylphenol
Concen: 7.491 ng
RT: 10.75 min Scan# 1473
Delta R.T. 0.22 min
Lab File: BF113946.D
Acq: 24 Apr 2019 3:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 375
Ion Ratio Lower Upper
198 100
51 0.0 11.1 51.1#
105 100.7 20.7 60.7#

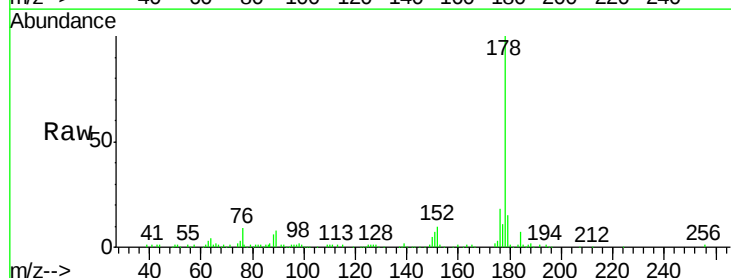


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

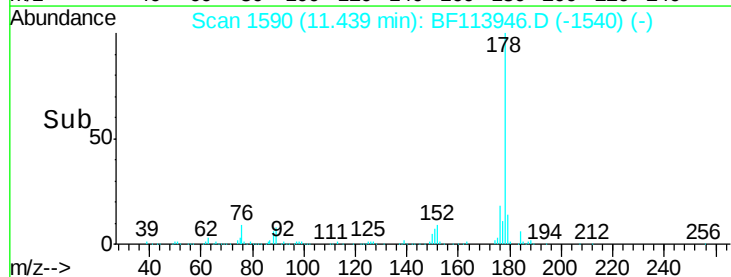
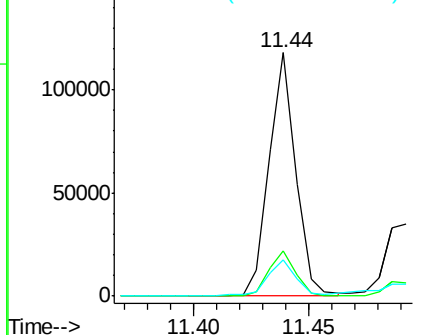


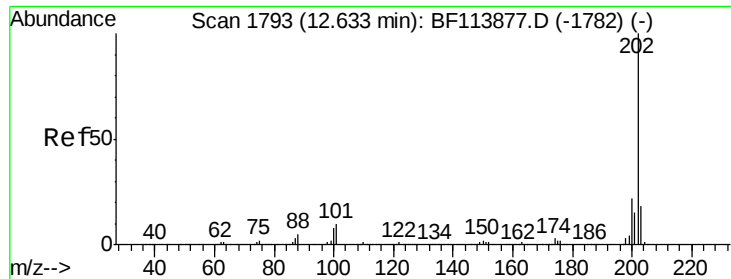
#71
Phenanthrene
Concen: 4.978 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF113946.D
Acq: 24 Apr 2019 3:40

Tgt Ion:178 Resp: 94909
Ion Ratio Lower Upper
178 100
176 18.3 16.1 24.1
179 14.8 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





#75

Fluoranthene

Concen: 7.886 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

Instrument :

BNA_F

ClientSampleId :

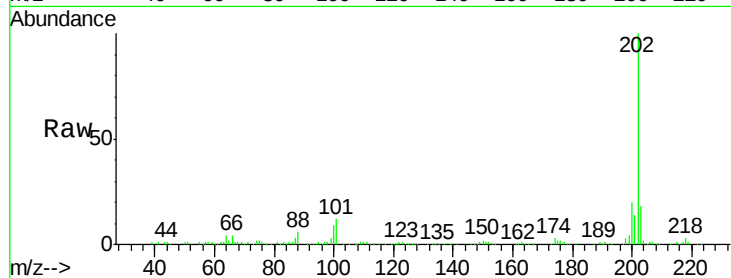
Tot Ion:202 Resp: 164033

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.9

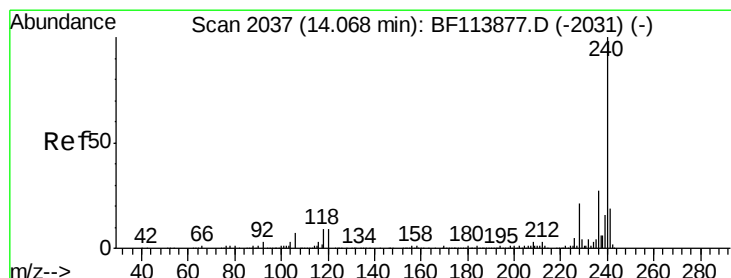
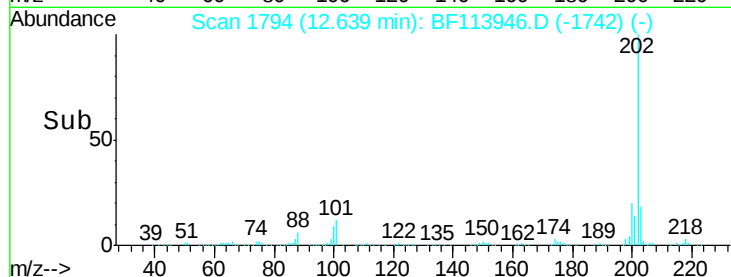
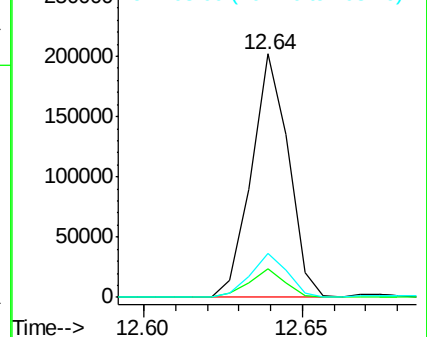
203 17.8 0.0 38.2



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: BF113946.D

Acq: 24 Apr 2019 3:40

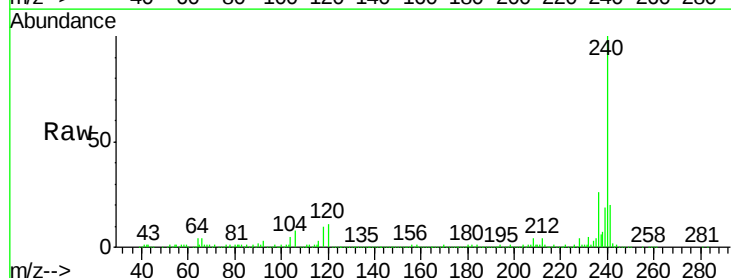
Tgt Ion:240 Resp: 408038

Ion Ratio Lower Upper

240 100

120 10.6 9.3 13.9

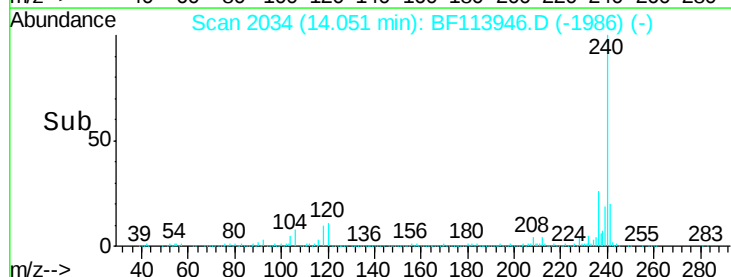
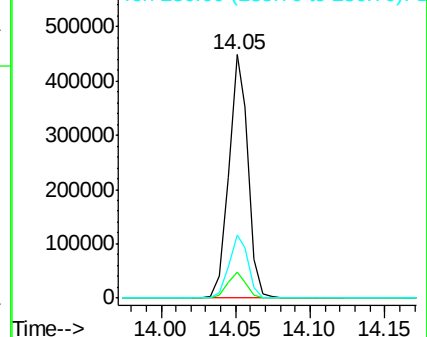
236 25.7 21.2 31.8

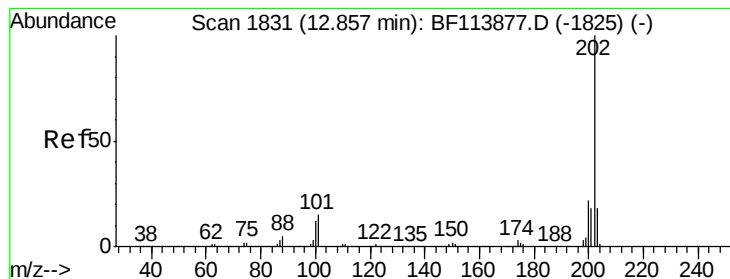


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.682 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

Instrument :

BNA_F

ClientSampled :

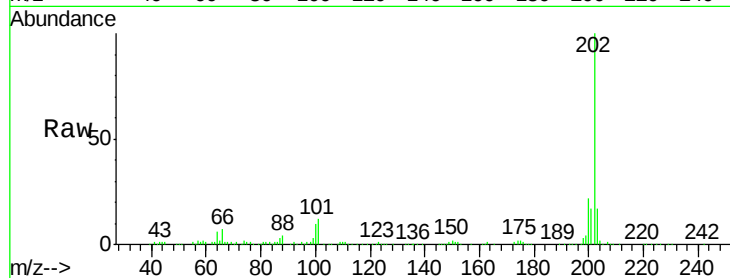
Tot Ion:202 Resp: 133596

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

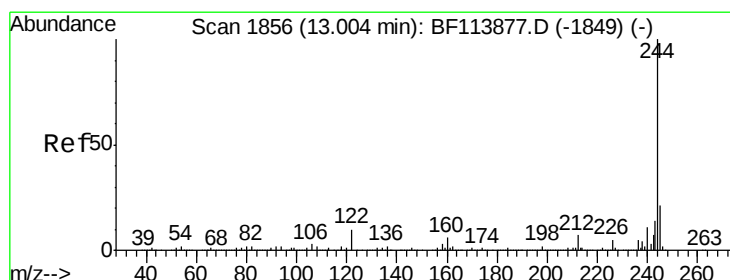
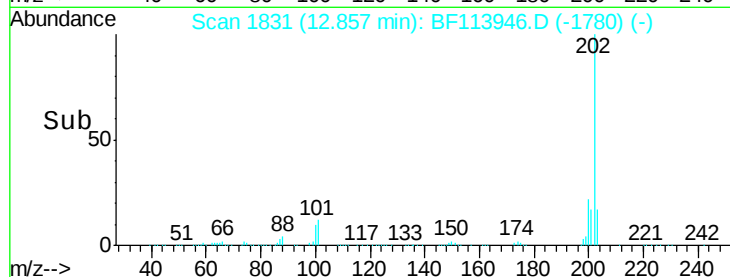
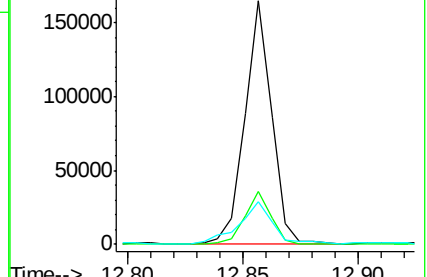
203 17.3 15.0 22.6



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: 66.715 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113946.D

Acq: 24 Apr 2019 3:40

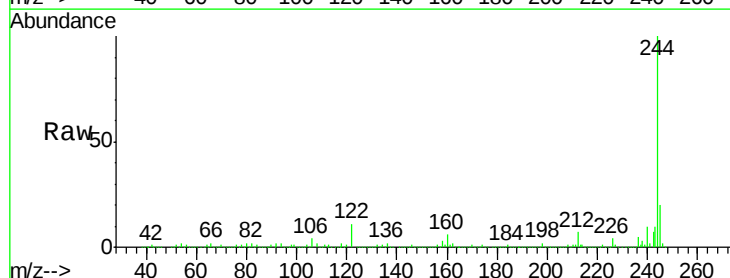
Tgt Ion:244 Resp: 1327832

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

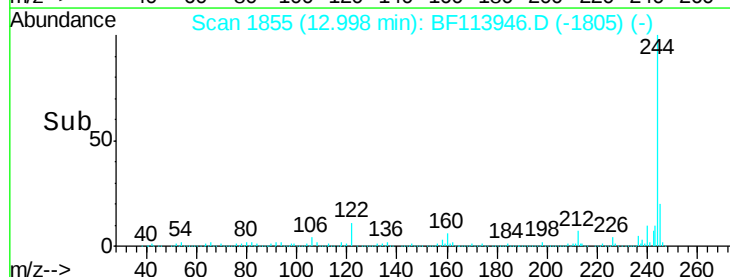
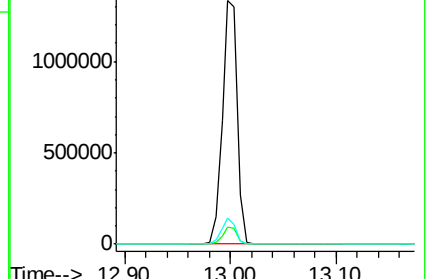
122 10.8 7.6 11.4

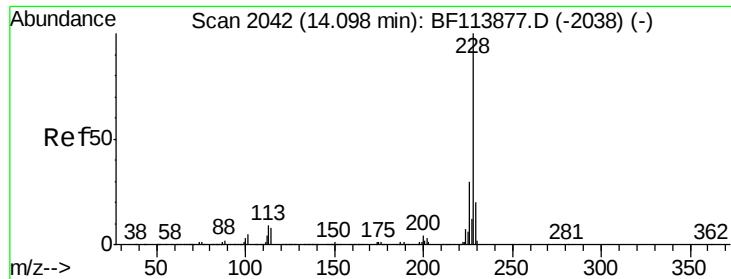


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

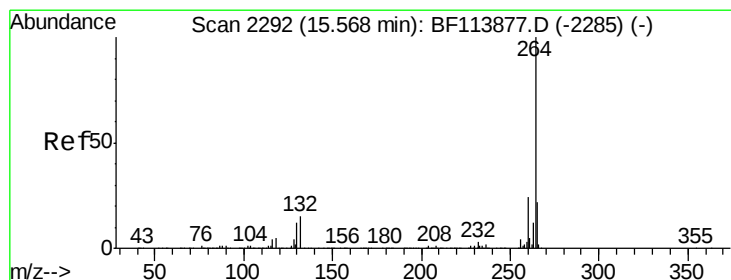
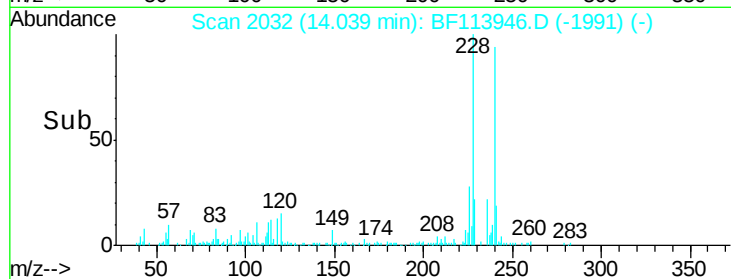
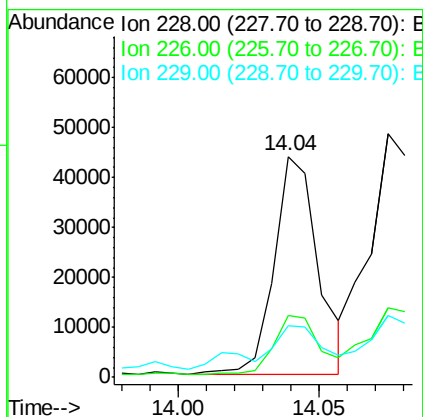
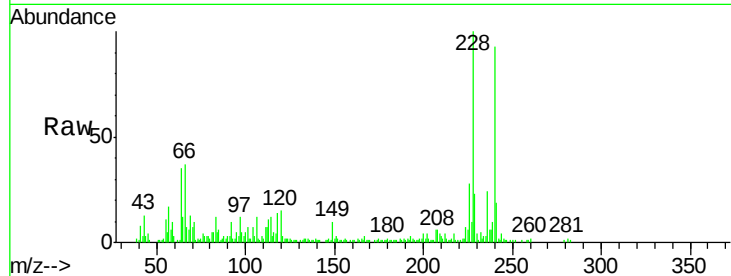




#83
Chrysene
Concen: 2.035 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.06 min
Lab File: BF113946.D
Acq: 24 Apr 2019 3:40

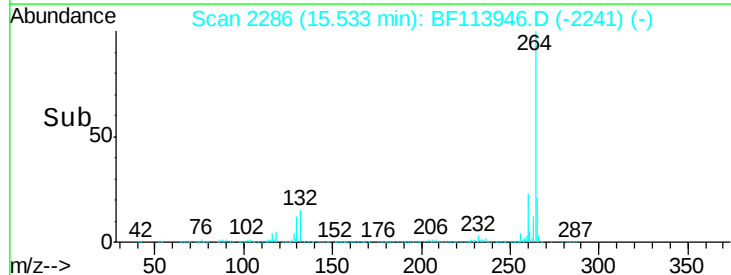
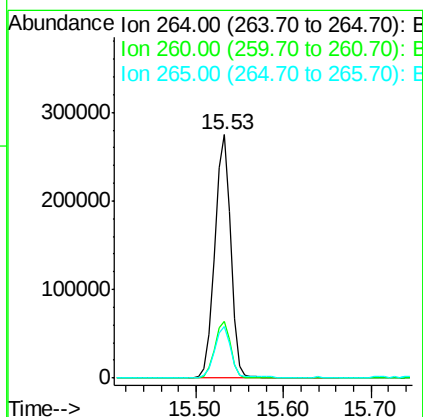
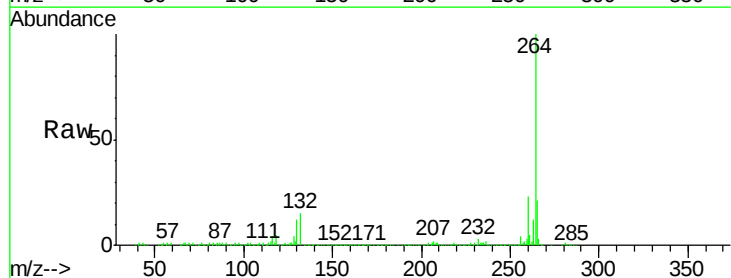
Instrument :
BNA_F
ClientSampleId :

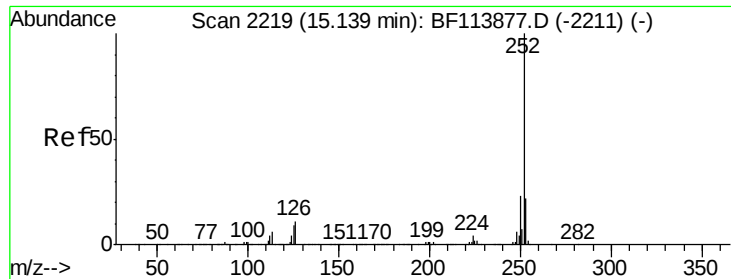
Tot Ion:228 Resp: 47635
Ion Ratio Lower Upper
228 100
226 28.1 25.2 37.8
229 23.4 16.7 25.1



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.04 min
Lab File: BF113946.D
Acq: 24 Apr 2019 3:40

Tgt Ion:264 Resp: 348892
Ion Ratio Lower Upper
264 100
260 23.4 18.9 28.3
265 21.0 17.3 25.9

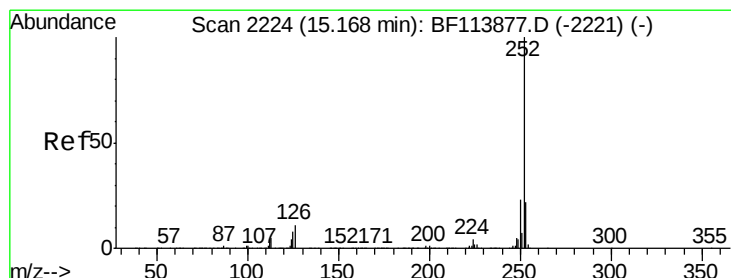
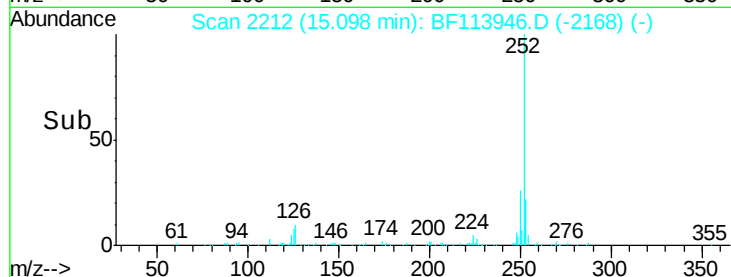
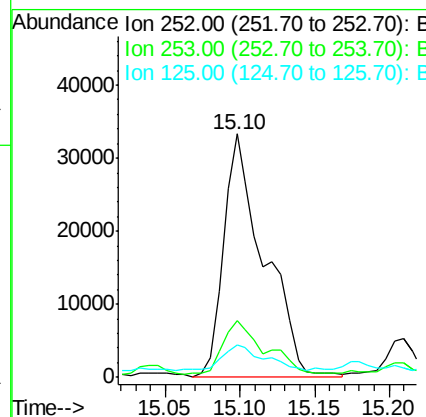
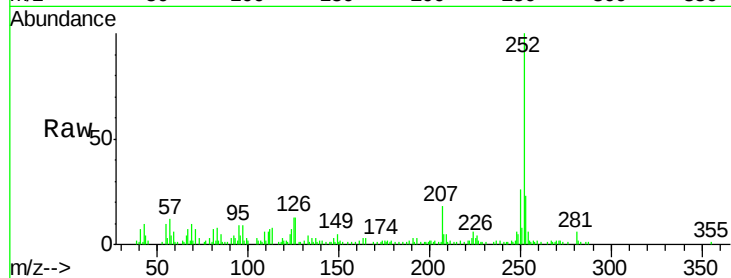




#88
Benzo(b)fluoranthene
Concen: 2.853 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF113946.D
Acq: 24 Apr 2019 3:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 62984
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 13.3 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 3.317 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.07 min
Lab File: BF113946.D
Acq: 24 Apr 2019 3:40

Tgt Ion:252 Resp: 62984
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 13.3 7.4 11.2#

