

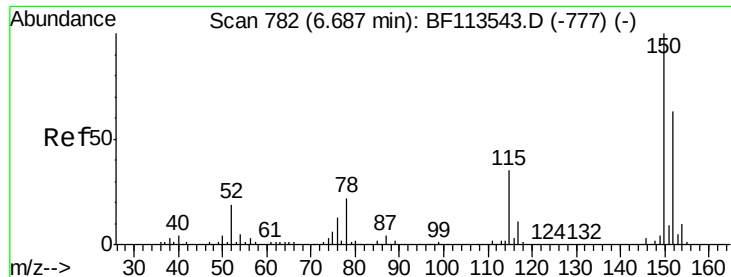
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040919\
 Data File : BF113660.D
 Acq On : 9 Apr 2019 14:39
 Operator : JU/SJ
 Sample : K2316-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 02:23:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	103169	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	396501	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	194409	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	399344	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	335158	20.00	ng	-0.02
87) Perylene-d12	15.23	264	285612	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	198046	32.73	ng	0.00
7) Phenol-d6	6.33	99	749459	100.51	ng	-0.01
23) Nitrobenzene-d5	7.25	82	522362	77.17	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	57147	24.47	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	775973	64.26	ng	-0.02
79) Terphenyl-d14	12.77	244	987121	59.97	ng	-0.02
Target Compounds						
10) Phenol	6.34	94	20058	2.355	ng	# 76
19) n-Nitroso-di-n-propylamine	7.25	70	67244	14.624	ng	# 75
25) Isophorone	7.25	82	522110	40.040	ng	# 64
50) Dimethylphthalate	9.43	163	155523	10.853	ng	99
71) Phenanthrene	11.22	178	76433	3.852	ng	98
72) Anthracene	11.22	178	76433	3.786	ng	99
75) Fluoranthene	12.40	202	124799	5.869	ng	98
78) Pyrene	12.63	202	107853	4.229	ng	97
81) Benzo(a)anthracene	13.82	228	48217	2.494	ng	99
83) Chrysene	13.85	228	44800	2.286	ng	98
84) Bis(2-ethylhexyl)phthalate	13.80	149	136943	10.911	ng	98
88) Benzo(b)fluoranthene	14.84	252	63682	3.643	ng	# 95
89) Benzo(k)fluoranthene	14.84	252	63682	4.059	ng	# 94

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

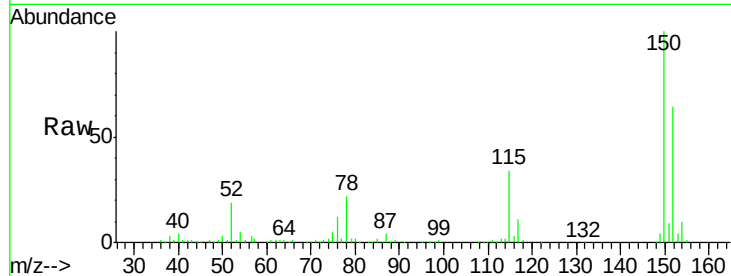


#1

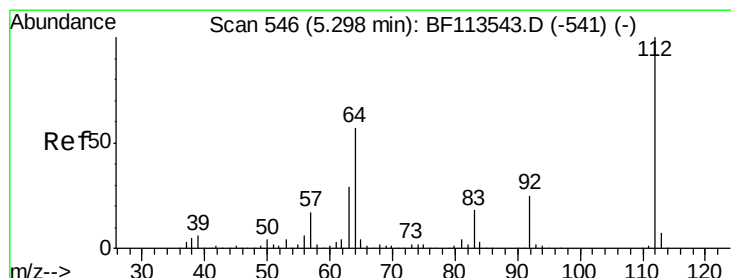
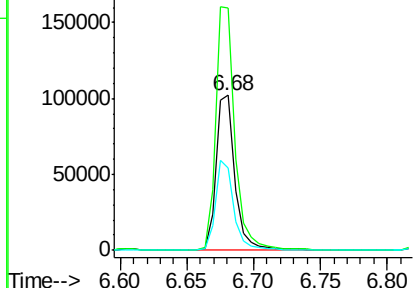
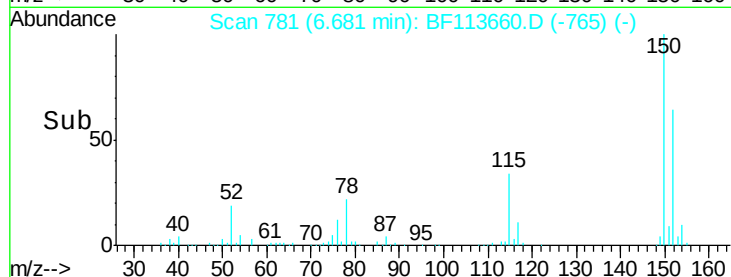
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113660.D
Acq: 9 Apr 2019 14:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103169
Ion Ratio Lower Upper
152 100
150 156.0 124.7 187.1
115 53.3 46.0 69.0



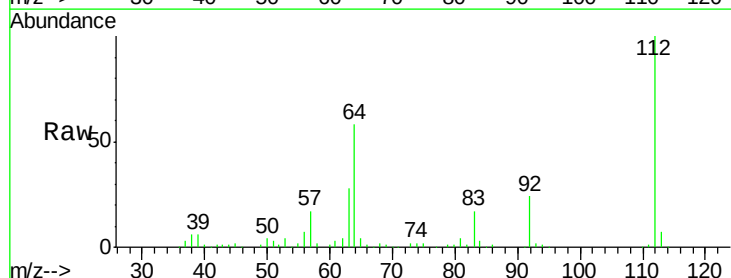
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



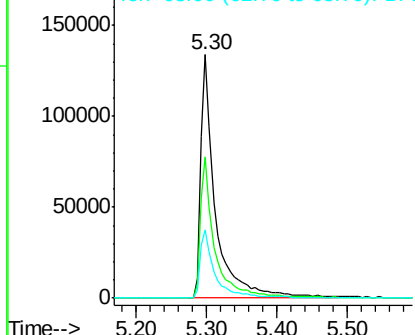
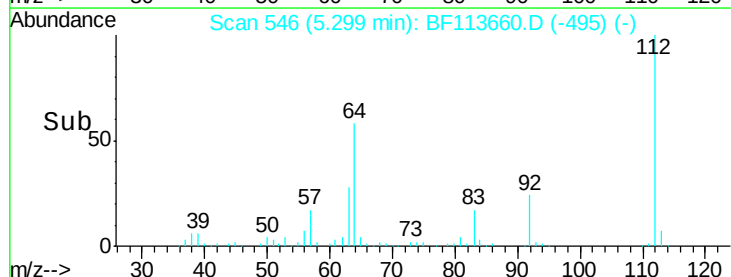
#5

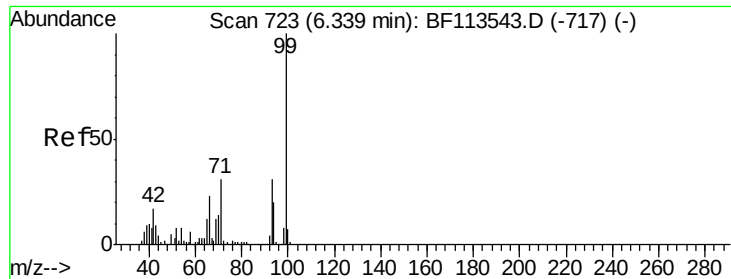
2-Fluorophenol
Concen: 32.734 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113660.D
Acq: 9 Apr 2019 14:39

Tgt Ion:112 Resp: 198046
Ion Ratio Lower Upper
112 100
64 57.8 49.2 73.8
63 28.0 24.9 37.3



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: 100.506 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113660.D

Acq: 9 Apr 2019 14:39

Instrument :

BNA_F

ClientSampleId :

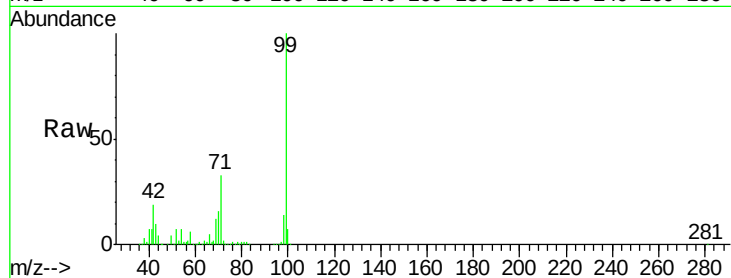
Tot Ion: 99 Resp: 749459

Ion Ratio Lower Upper

99 100

42 18.9 14.8 22.2

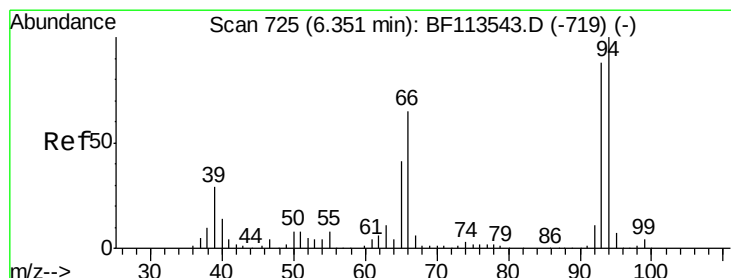
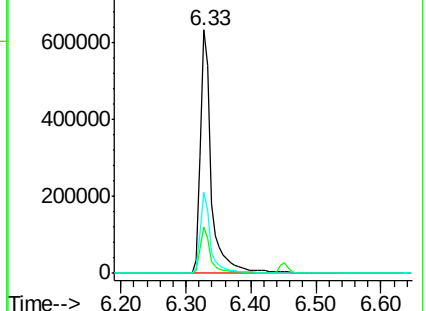
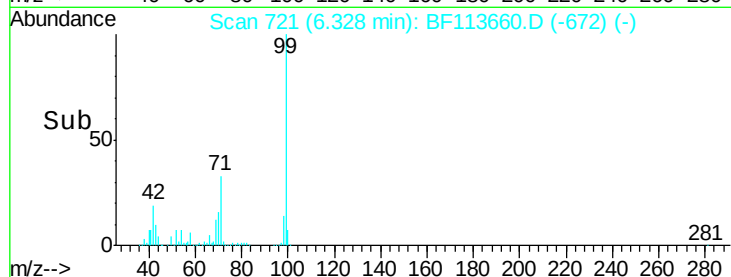
71 33.1 24.9 37.3



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



#10

Phenol

Concen: 2.355 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF113660.D

Acq: 9 Apr 2019 14:39

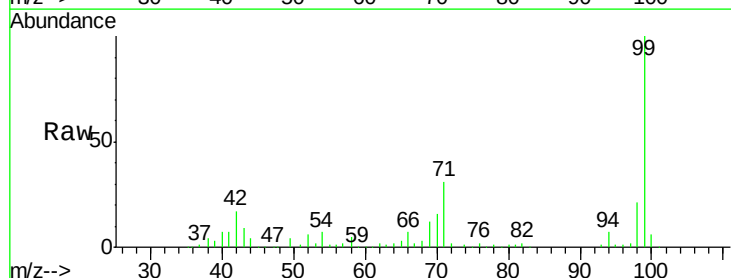
Tgt Ion: 94 Resp: 20058

Ion Ratio Lower Upper

94 100

65 41.2 21.4 61.4

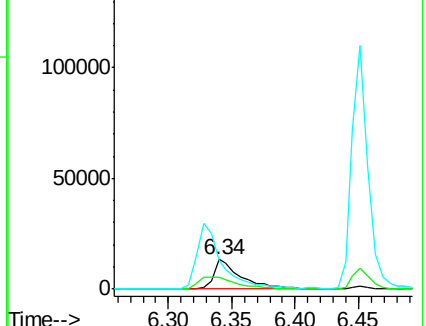
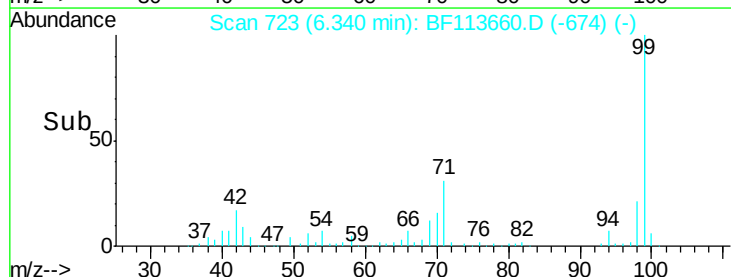
66 96.7 46.4 86.4#

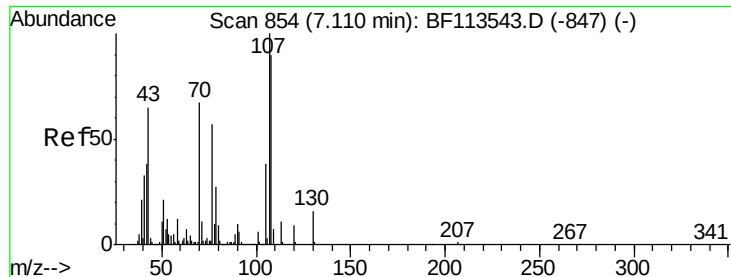


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

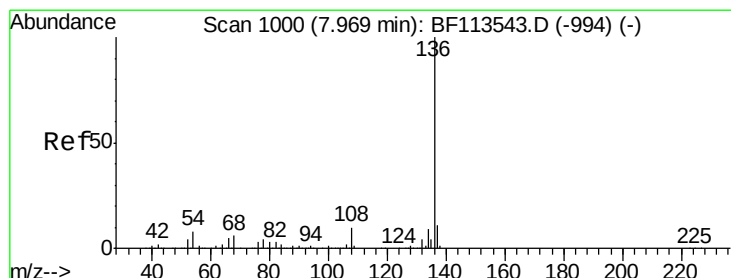
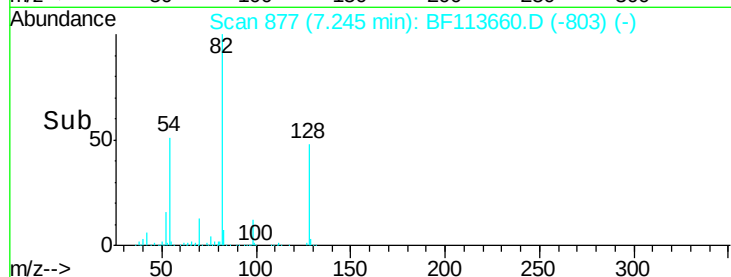
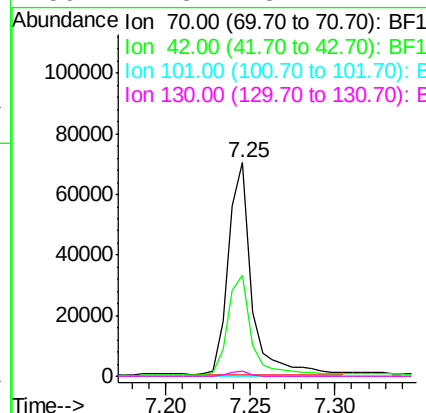
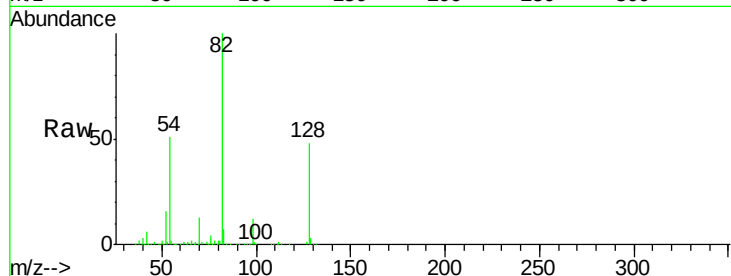




#19
n-Nitroso-di-n-propylamine
Concen: 14.624 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.14 min
Lab File: BF113660.D
Acq: 9 Apr 2019 14:39

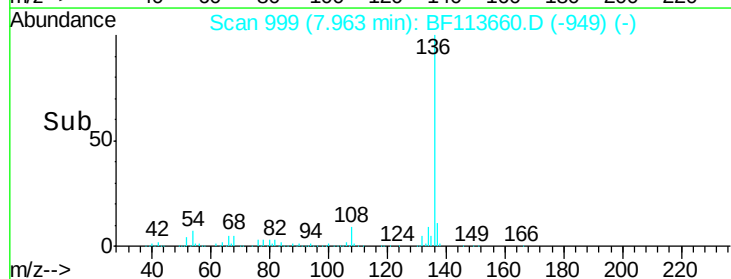
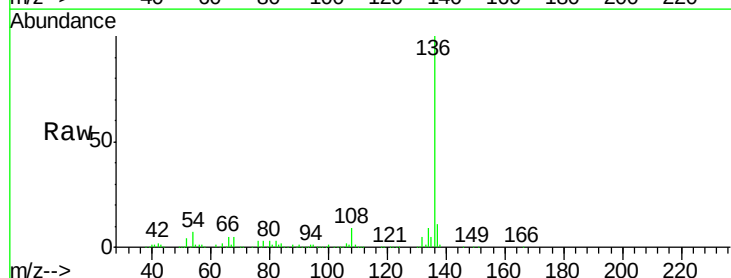
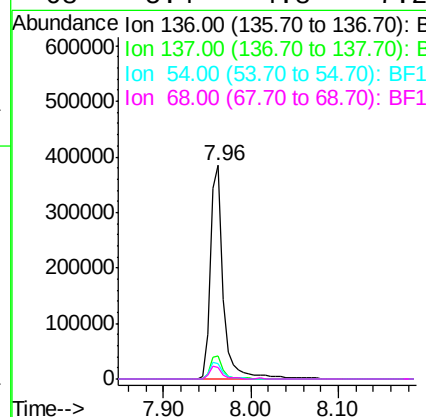
Instrument :
BNA_F
ClientSampleId :

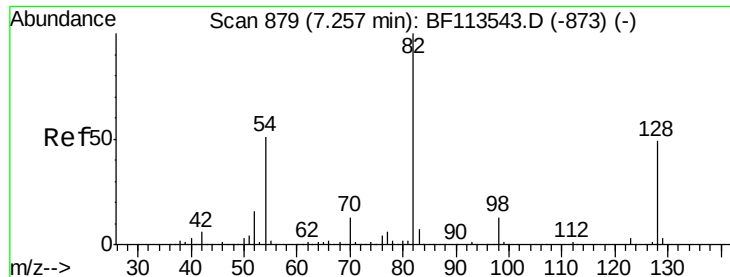
Tot Ion: 70 Resp: 67244
Ion Ratio Lower Upper
70 100
42 47.2 48.4 72.6#
101 0.0 7.8 11.8#
130 2.3 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF113660.D
Acq: 9 Apr 2019 14:39

Tgt Ion:136 Resp: 396501
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.3 7.0 10.6
68 5.4 4.8 7.2

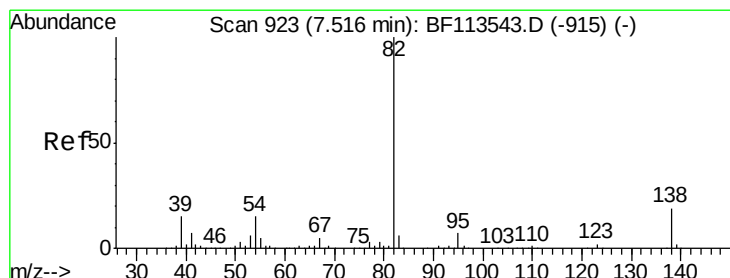
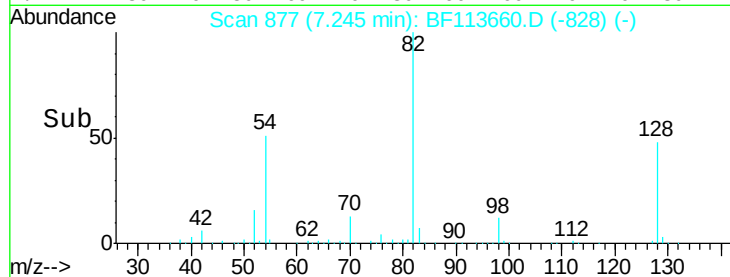
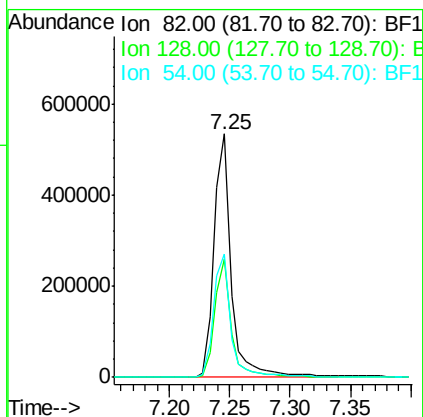
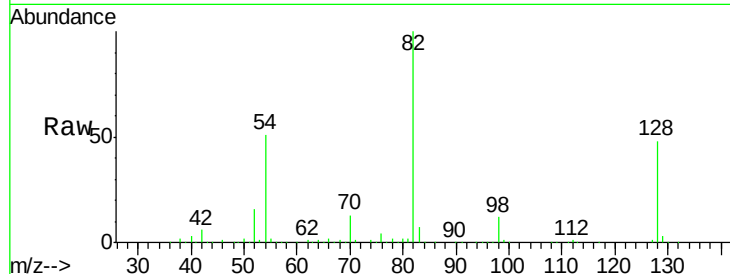




#23
 Nitrobenzene-d5
 Concen: 77.169 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF113660.D
 Acq: 9 Apr 2019 14:39

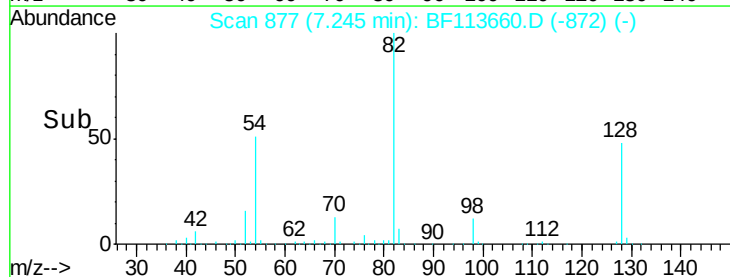
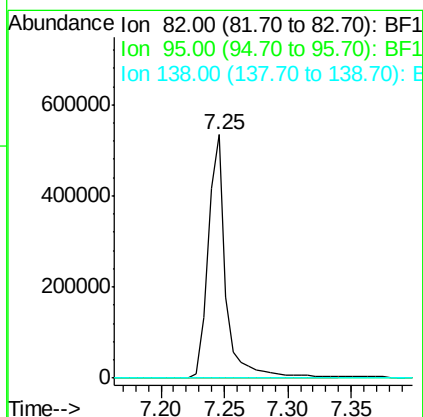
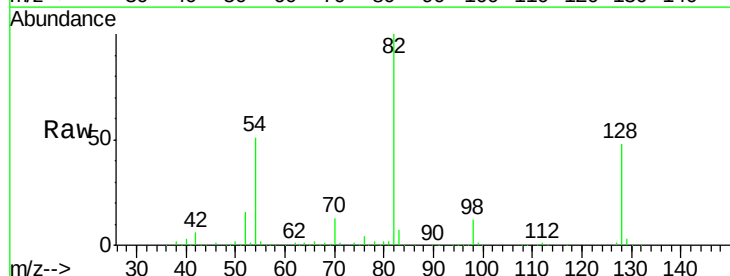
Instrument :
 BNA_F
 ClientSampleId :

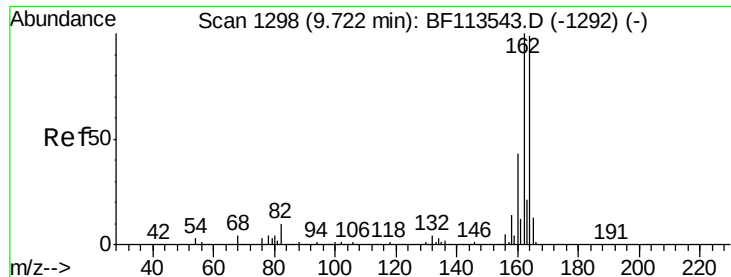
Tot Ion: 82 Resp: 522362
 Ion Ratio Lower Upper
 82 100
 128 48.3 36.5 54.7
 54 50.9 42.2 63.2



#25
 Isophorone
 Concen: 40.040 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.27 min
 Lab File: BF113660.D
 Acq: 9 Apr 2019 14:39

Tgt Ion: 82 Resp: 522110
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.5 8.3#
 138 0.0 15.2 22.8#

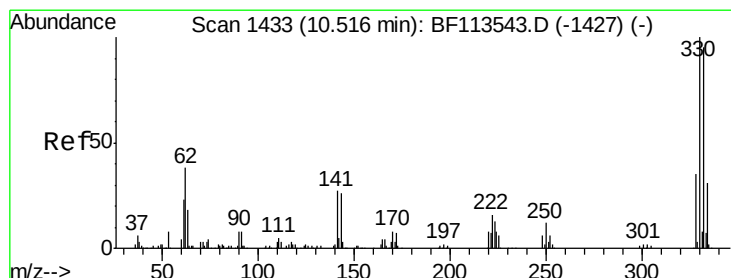
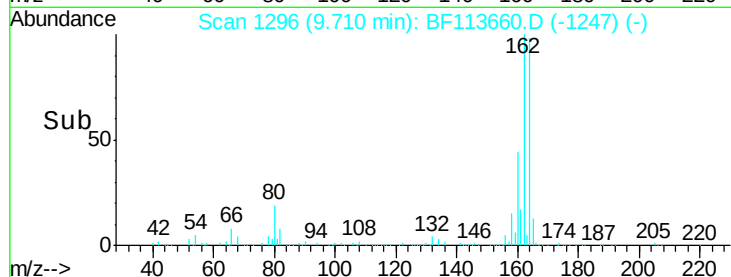
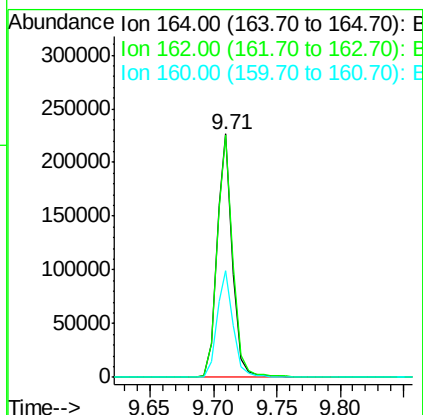
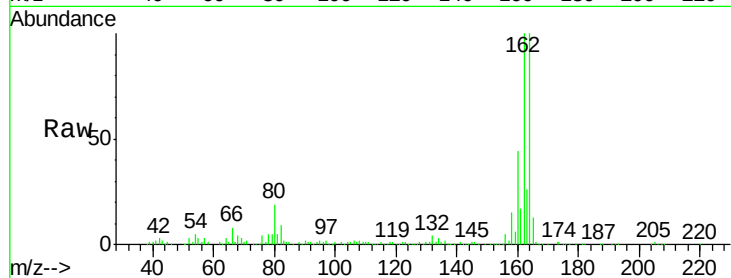




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: BF113660.D
 Acq: 9 Apr 2019 14:39

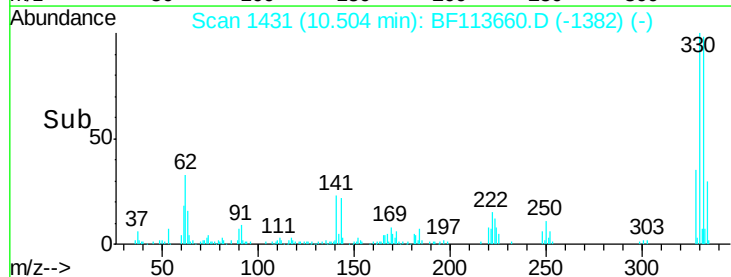
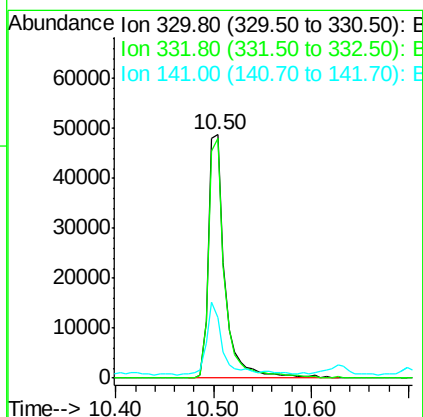
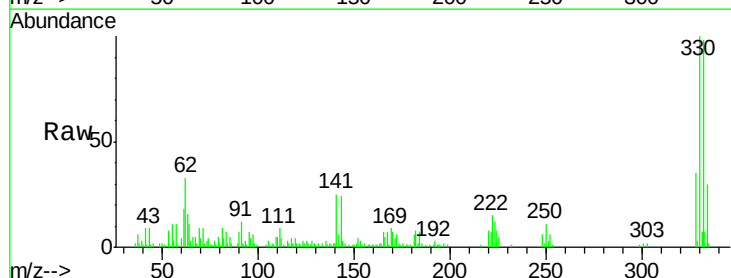
Instrument :
 BNA_F
 ClientSampleId :

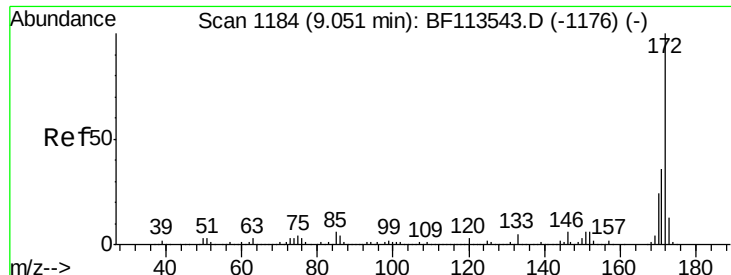
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.8	122.6
160	44.0	36.4	54.6



#42
 2,4,6-Tribromophenol
 Concen: 24.471 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF113660.D
 Acq: 9 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.8	116.6
141	28.5	22.7	34.1

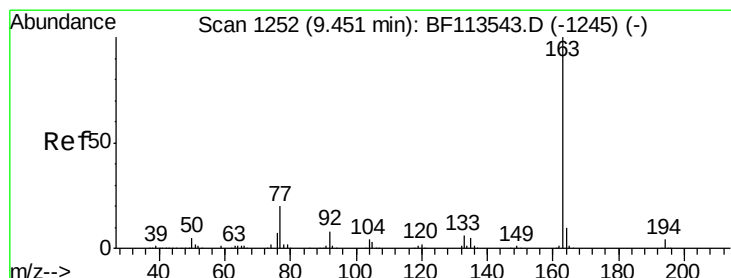
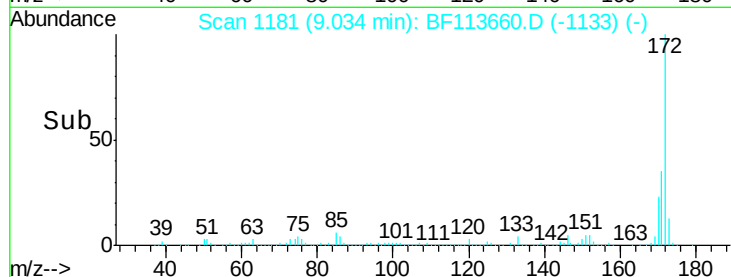
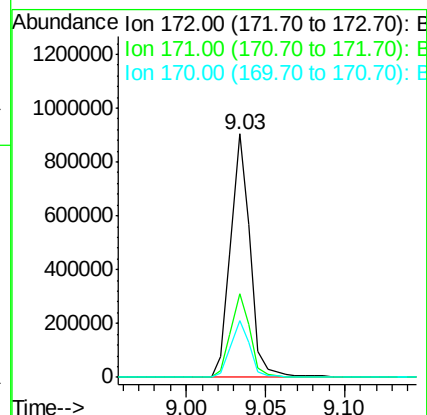
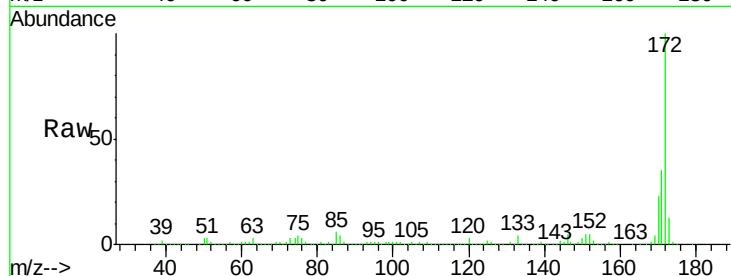




#45
2-Fluorobiphenyl
Concen: 64.258 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF113660.D
Acq: 9 Apr 2019 14:39

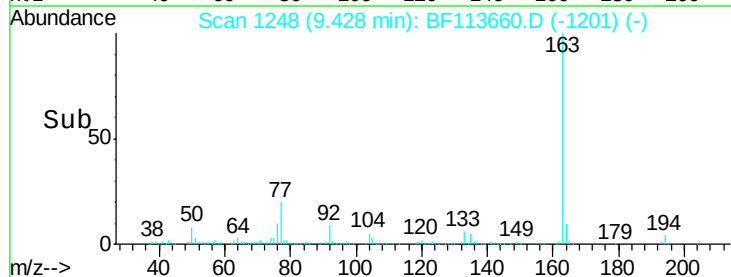
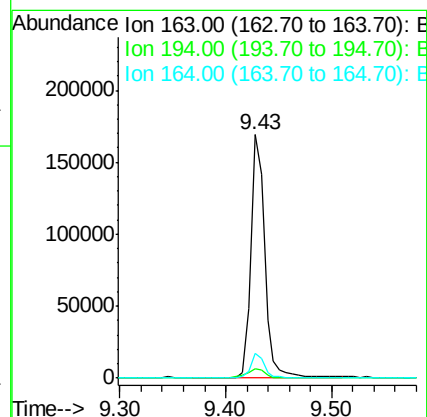
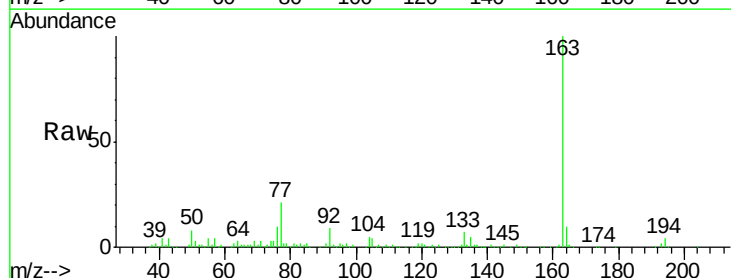
Instrument :
BNA_F
ClientSampleId :

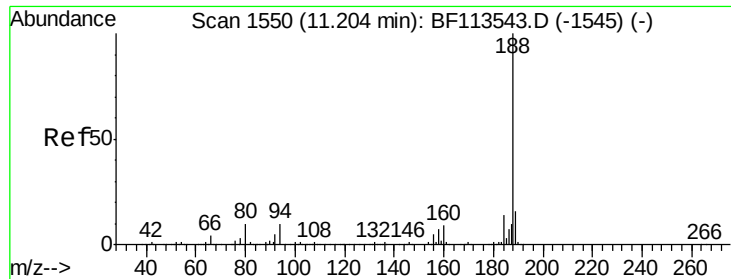
Tot Ion:172 Resp: 775973
Ion Ratio Lower Upper
172 100
171 34.6 29.0 43.6
170 23.3 19.5 29.3



#50
Dimethylphthalate
Concen: 10.853 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113660.D
Acq: 9 Apr 2019 14:39

Tgt Ion:163 Resp: 155523
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 10.4 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF113660.D

Acq: 9 Apr 2019 14:39

Instrument :

BNA_F

ClientSampleId :

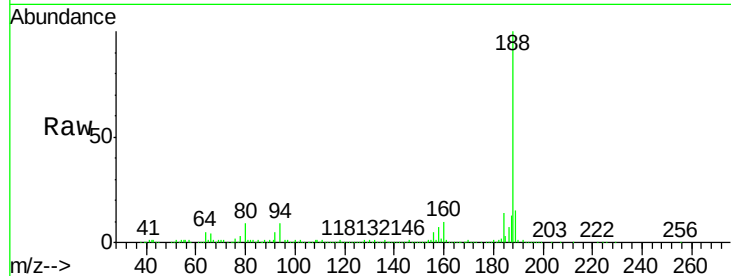
Tot Ion:188 Resp: 399344

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

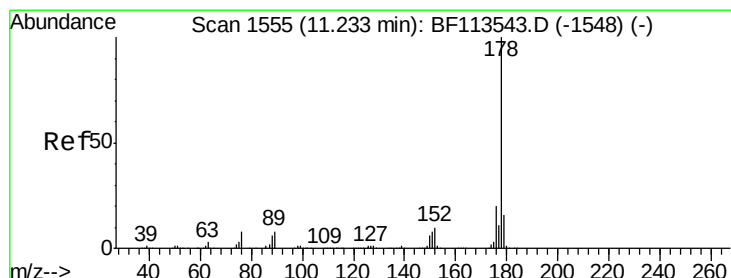
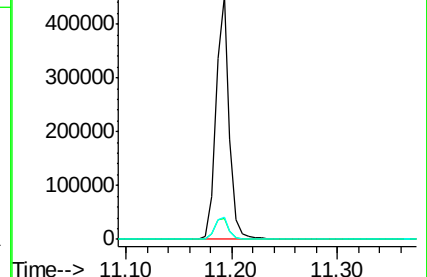
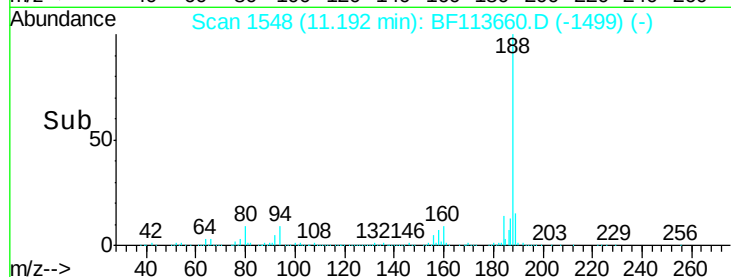
80 9.1 7.7 11.5



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



#71

Phenanthrene

Concen: 3.852 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BF113660.D

Acq: 9 Apr 2019 14:39

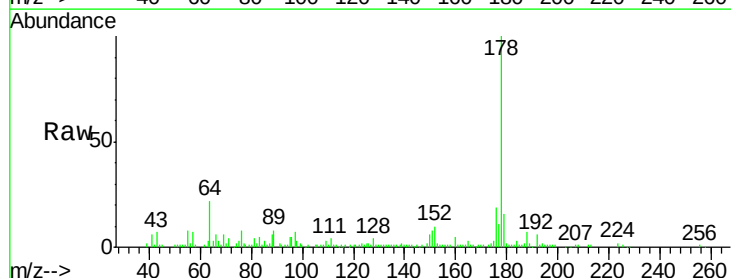
Tgt Ion:178 Resp: 76433

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.2

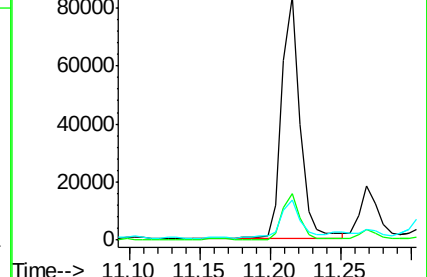
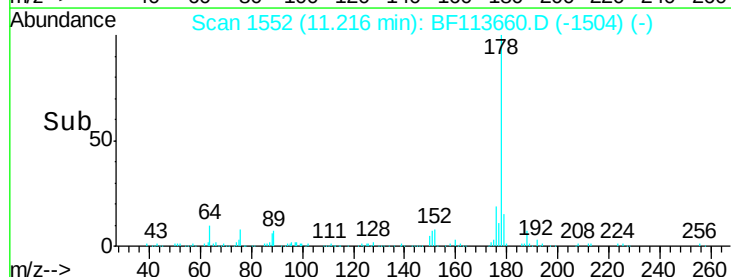
179 16.4 12.7 19.1

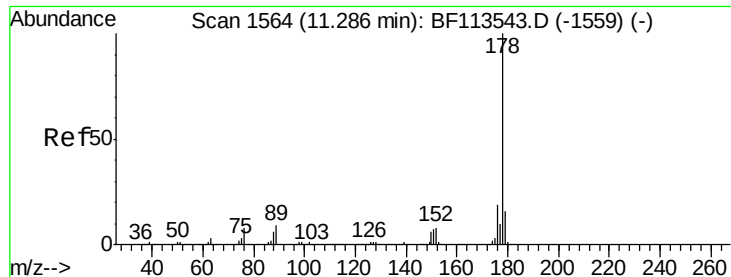


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.786 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.07 min

Lab File: BF113660.D

Acq: 9 Apr 2019 14:39

Instrument :

BNA_F

ClientSampleId :

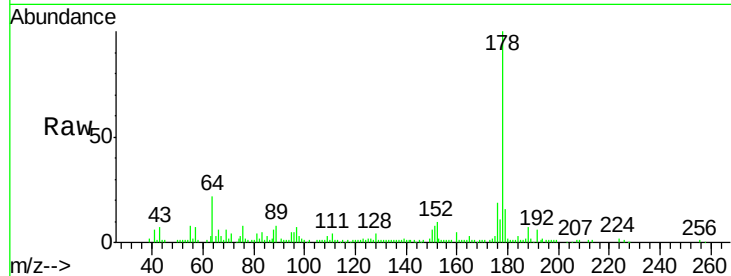
Tot Ion:178 Resp: 76433

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

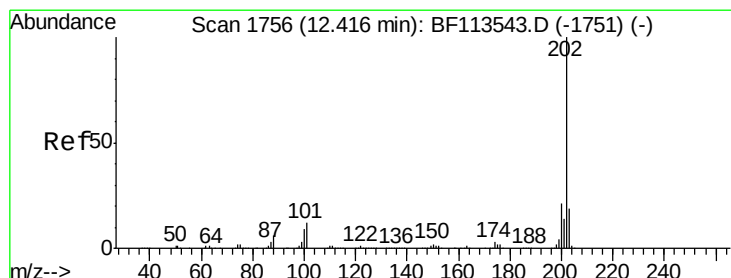
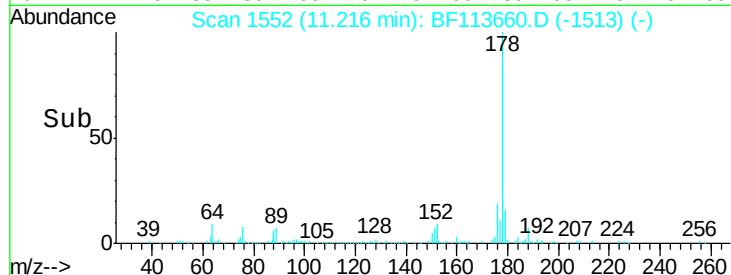
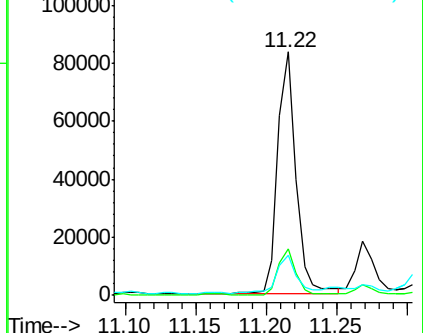
179 16.4 12.8 19.2



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: 5.869 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113660.D

Acq: 9 Apr 2019 14:39

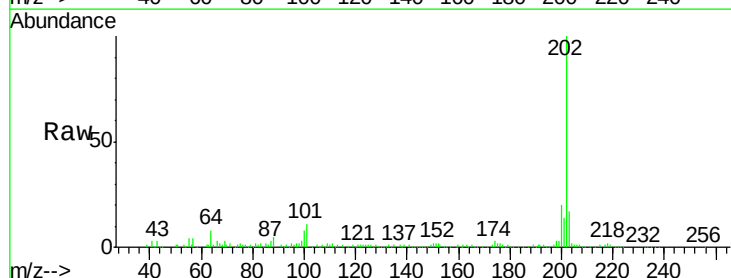
Tgt Ion:202 Resp: 124799

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

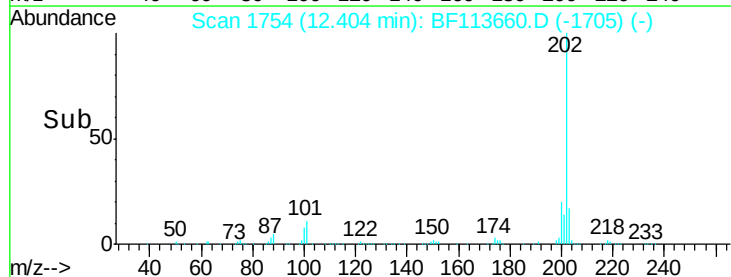
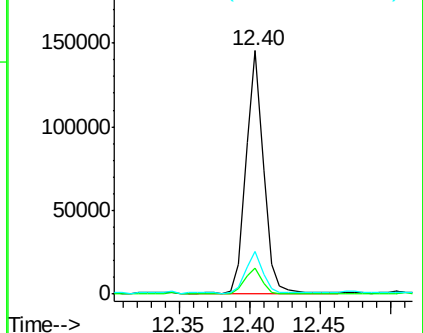
203 17.3 0.0 38.0

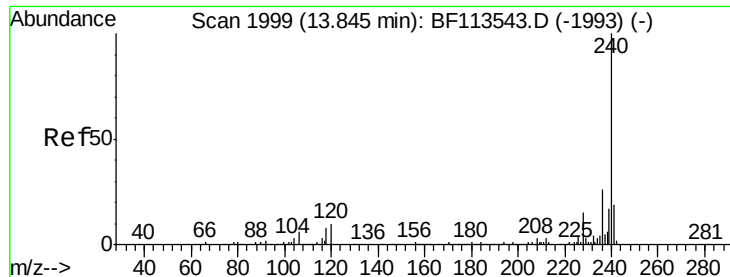


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113660.D

Acq: 9 Apr 2019 14:39

Instrument :

BNA_F

ClientSampleId :

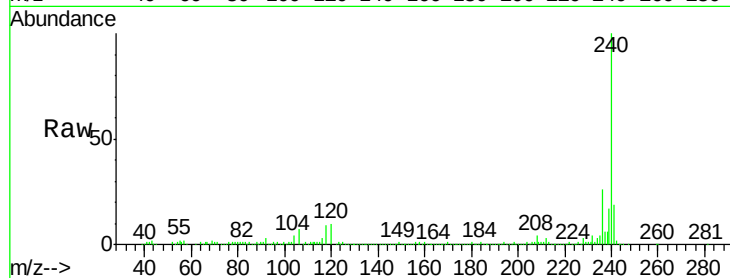
Tot Ion:240 Resp: 335158

Ion Ratio Lower Upper

240 100

120 9.9 8.8 13.2

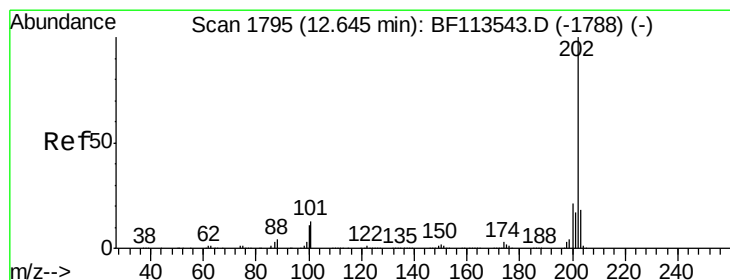
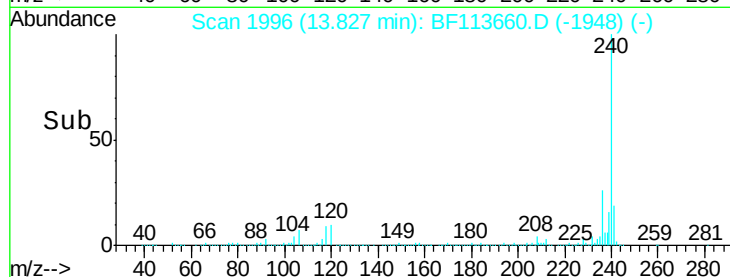
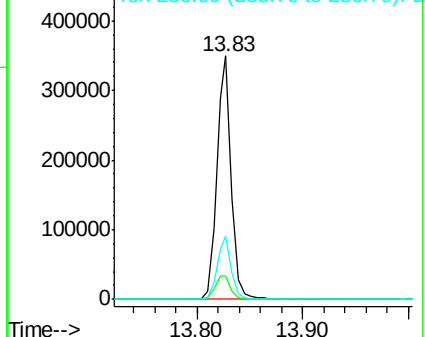
236 25.9 20.9 31.3



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

Pyrene

Concen: 4.229 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF113660.D

Acq: 9 Apr 2019 14:39

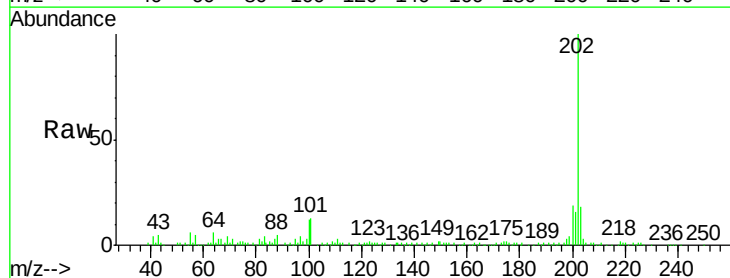
Tgt Ion:202 Resp: 107853

Ion Ratio Lower Upper

202 100

200 19.0 16.8 25.2

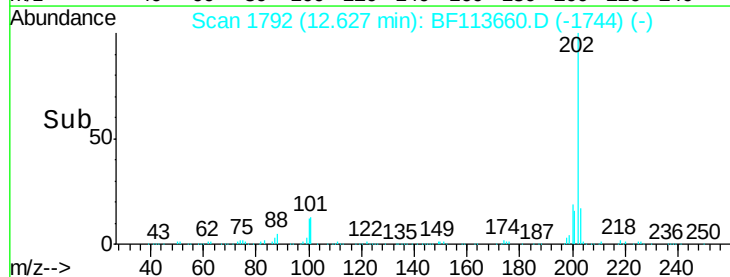
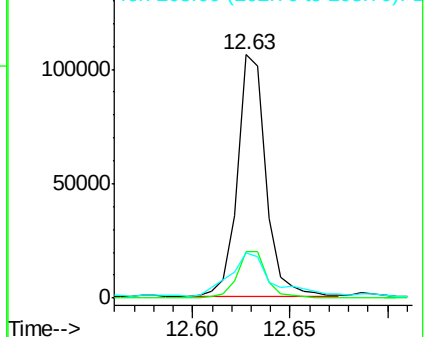
203 18.5 14.4 21.6

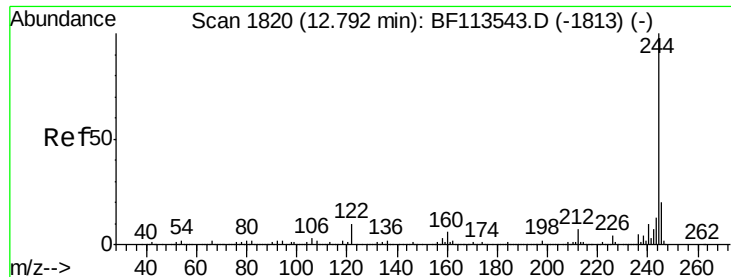


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

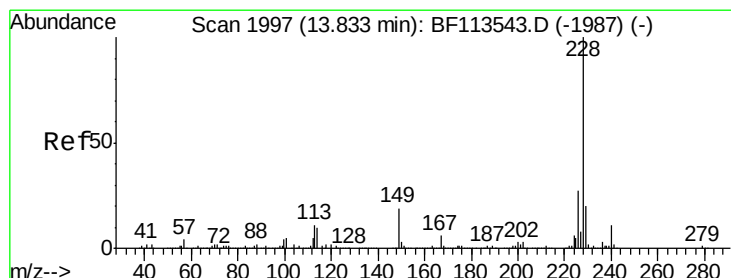
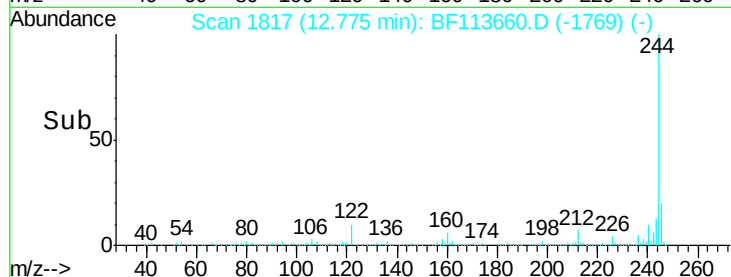
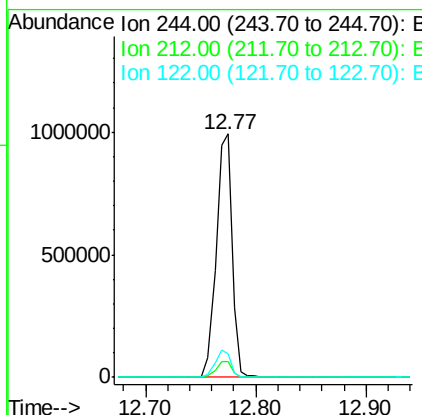
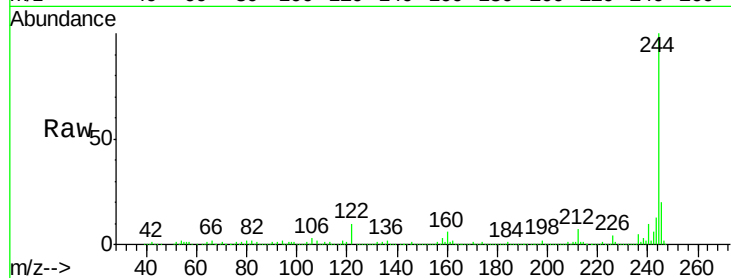




#79
 Terphenyl-d14
 Concen: 59.966 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.02 min
 Lab File: BF113660.D
 Acq: 9 Apr 2019 14:39

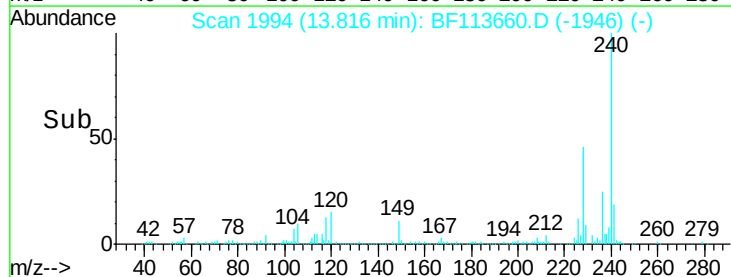
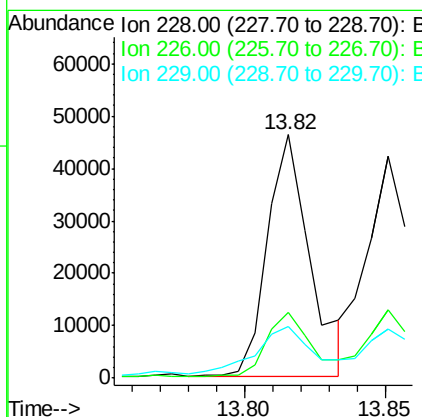
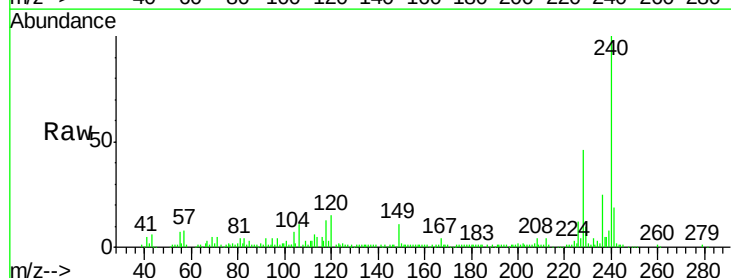
Instrument :
 BNA_F
 ClientSampleId :

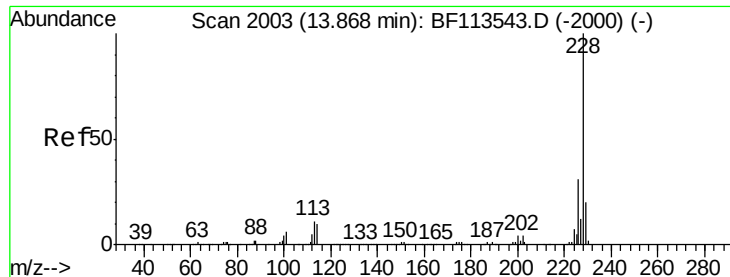
Tot Ion:244 Resp: 987121
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 9.9 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 2.494 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BF113660.D
 Acq: 9 Apr 2019 14:39

Tgt Ion:228 Resp: 48217
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.8 32.8
 229 21.3 16.2 24.4

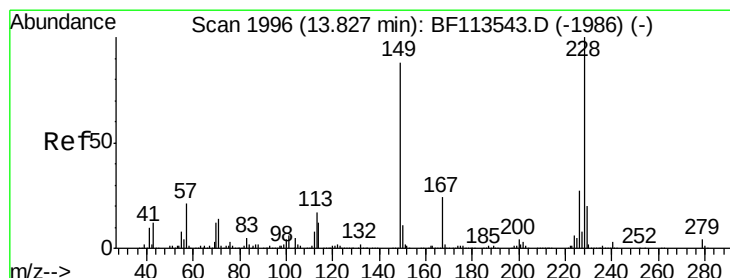
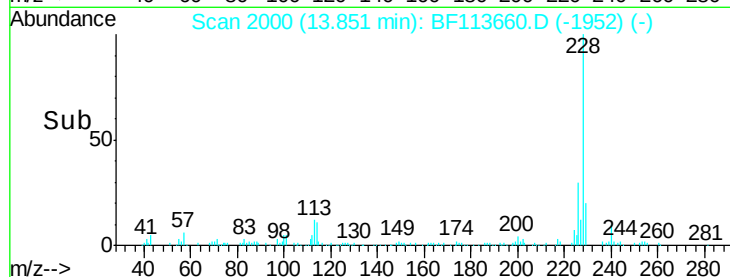
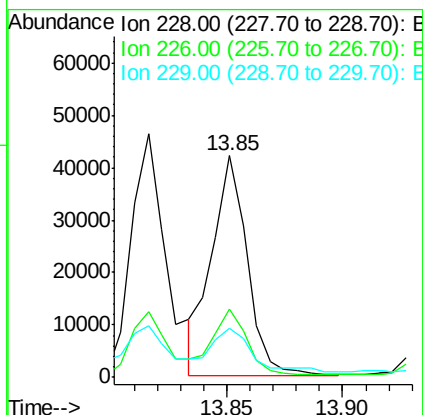
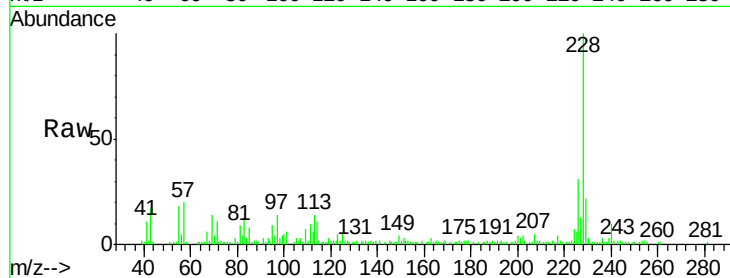




#83
 Chrysene
 Concen: 2.286 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BF113660.D
 Acq: 9 Apr 2019 14:39

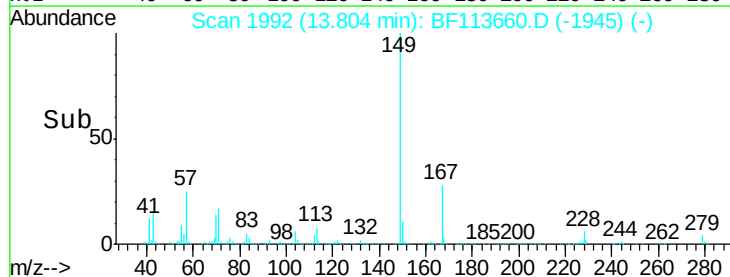
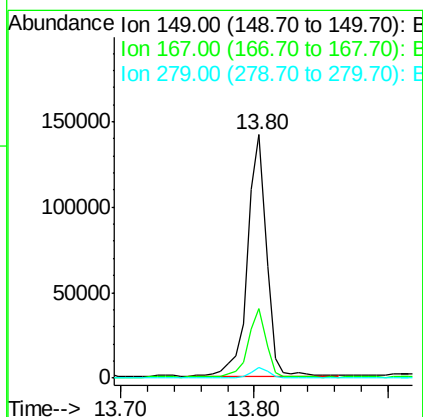
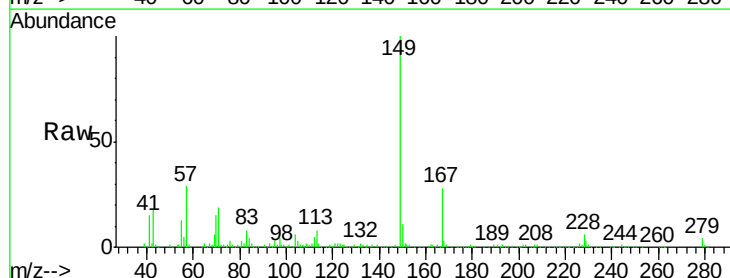
Instrument :
 BNA_F
 ClientSampleId :

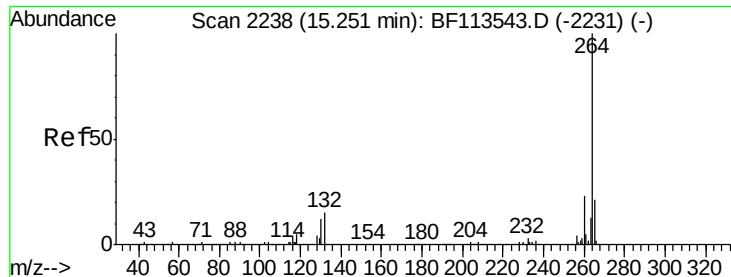
Tot Ion:228 Resp: 44800
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.3 36.5
 229 22.1 16.3 24.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 10.911 ng
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.02 min
 Lab File: BF113660.D
 Acq: 9 Apr 2019 14:39

Tgt Ion:149 Resp: 136943
 Ion Ratio Lower Upper
 149 100
 167 28.5 21.8 32.8
 279 4.2 2.9 4.3





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113660.D

Acq: 9 Apr 2019 14:39

Instrument :

BNA_F

ClientSampleId :

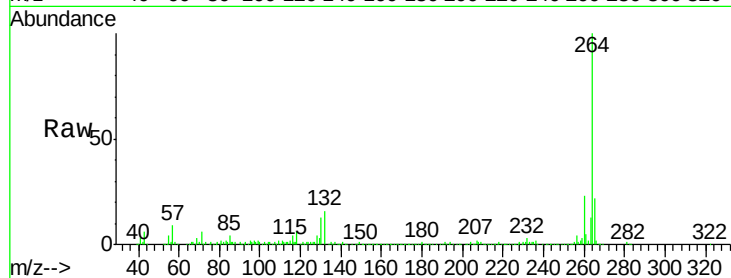
Tot Ion:264 Resp: 285612

Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

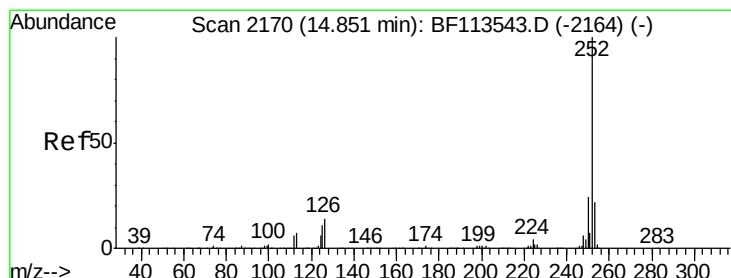
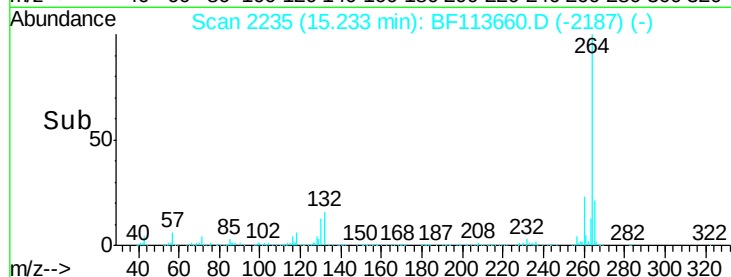
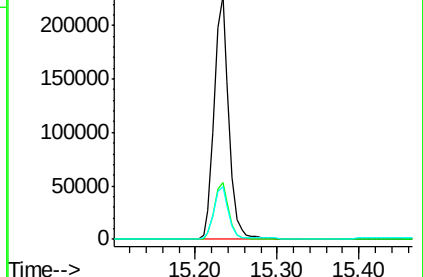
265 21.6 17.1 25.7



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: 3.643 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF113660.D

Acq: 9 Apr 2019 14:39

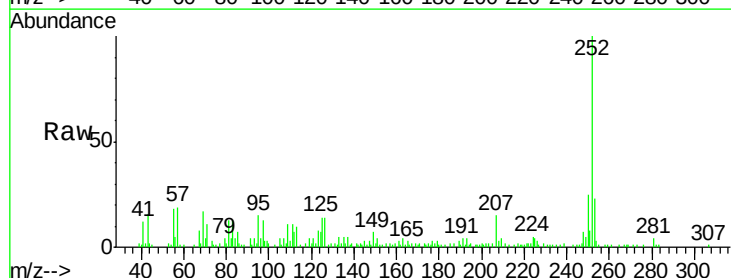
Tgt Ion:252 Resp: 63682

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

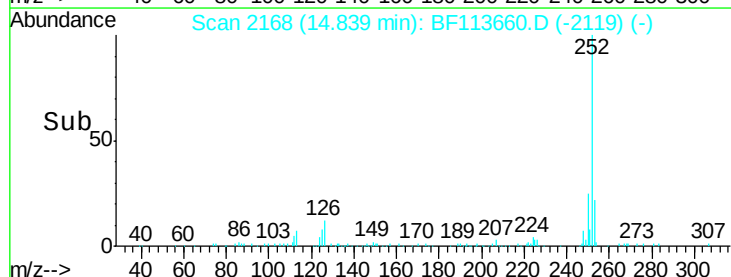
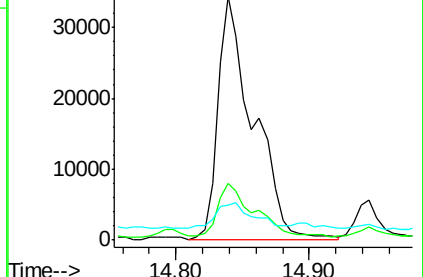
125 14.4 7.6 11.4#

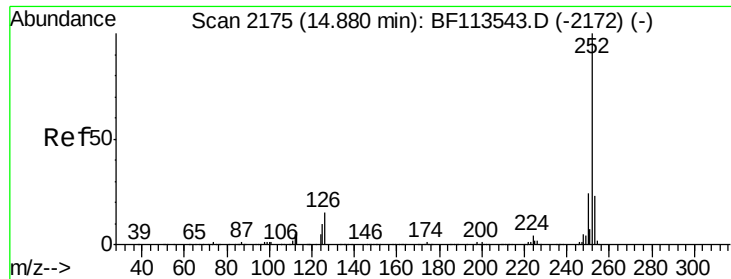


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.059 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF113660.D

Acq: 9 Apr 2019 14:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 63682

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 14.4 7.3 10.9#

