

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040319\
 Data File : BF113568.D
 Acq On : 4 Apr 2019 3:19
 Operator : JU/SJ
 Sample : K2178-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 04 04:30:04 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	6.69	152	101707	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	357692	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	156552	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	338740	20.00	ng	0.00
76) Chrysene-d12	13.84	240	295870	20.00	ng	0.00
87) Perylene-d12	15.26	264	216980	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	112256	18.82	ng	0.00
7) Phenol-d6	6.33	99	147882	20.12	ng	0.00
23) Nitrobenzene-d5	7.25	82	77154	12.63	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	33605	17.87	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	158283	16.28	ng	0.00
79) Terphenyl-d14	12.79	244	208732	14.36	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	9182	2.026	ng	# 81
25) Isophorone	7.25	82	77154	6.559	ng	# 64
51) 2,6-Dinitrotoluene	9.72	165	20097	7.901	ng	# 26
57) 2,4-Dinitrotoluene	9.72	165	20097	6.533	ng	# 23
71) Phenanthrene	11.23	178	58997	3.505	ng	97
75) Fluoranthene	12.42	202	93664	5.193	ng	99
78) Pyrene	12.64	202	81288	3.611	ng	98
81) Benzo(a)anthracene	13.83	228	38603	2.262	ng	96
83) Chrysene	13.83	228	38603	2.231	ng	98
88) Benzo(b)fluoranthene	14.86	252	40620	3.058	ng	# 71
89) Benzo(k)fluoranthene	14.86	252	40620	3.408	ng	# 70

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

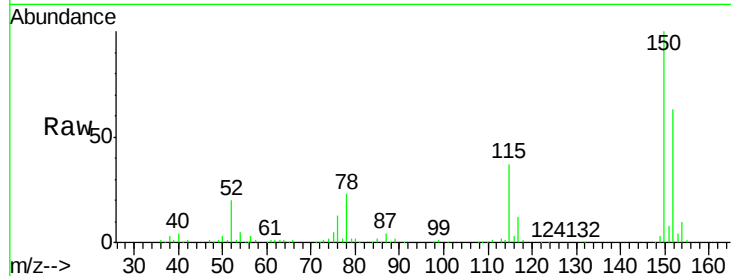


#1

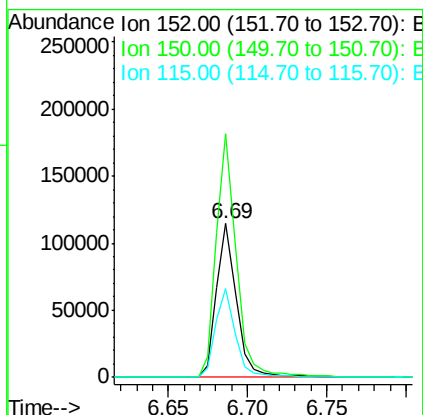
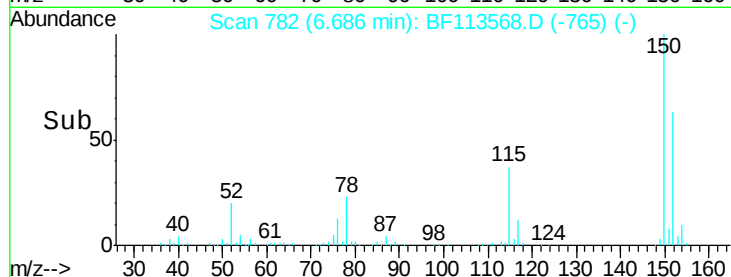
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.00 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.7	187.1
115	58.0	46.0	69.0



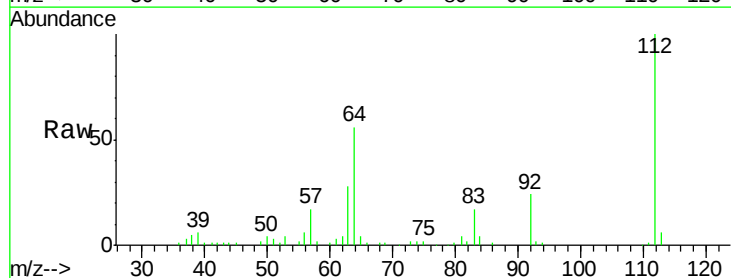
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



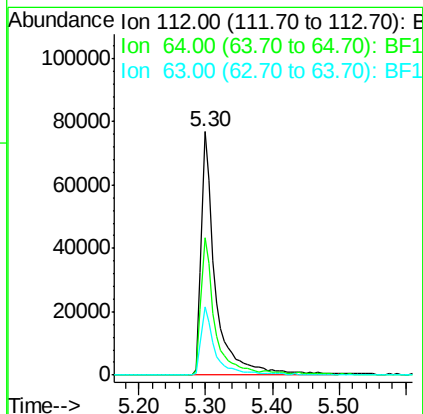
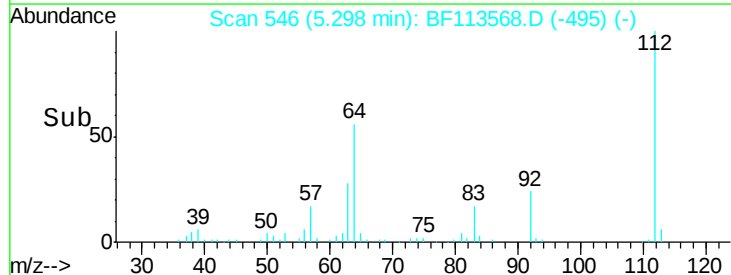
#5

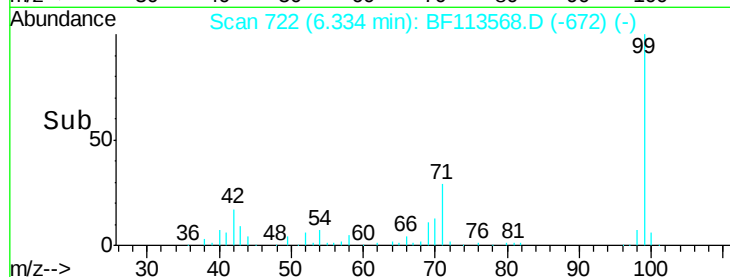
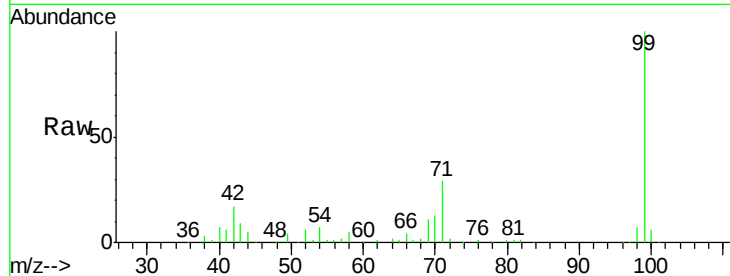
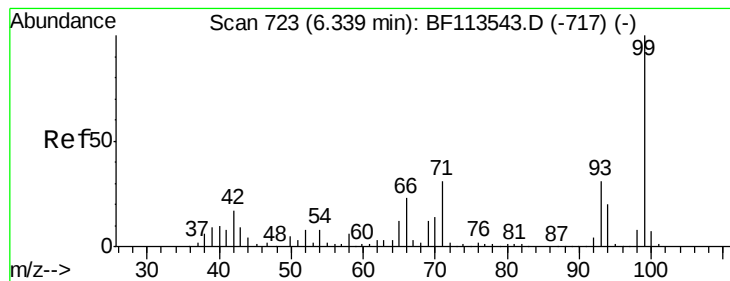
2-Fluorophenol
Concen: 18.821 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	49.2	73.8
63	28.2	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: 20.117 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Instrument :

BNA_F

ClientSampleId :

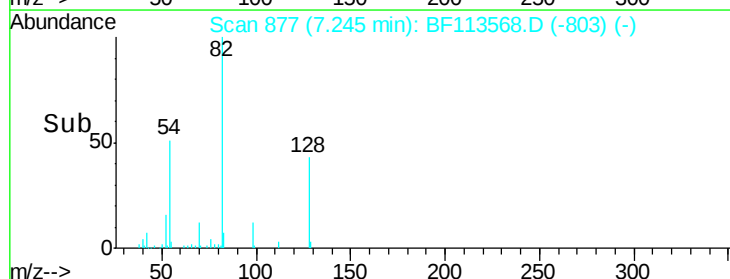
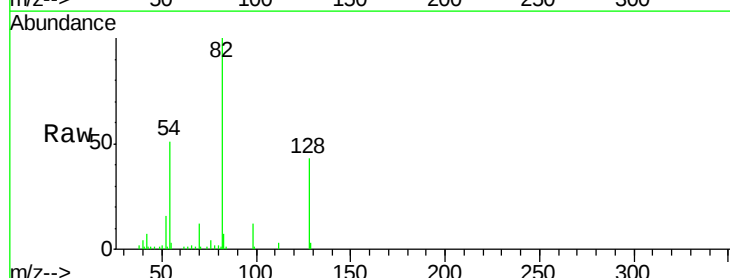
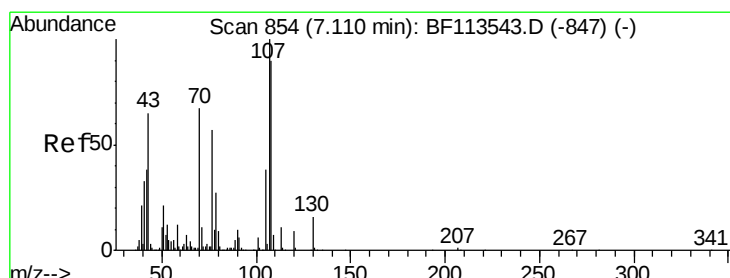
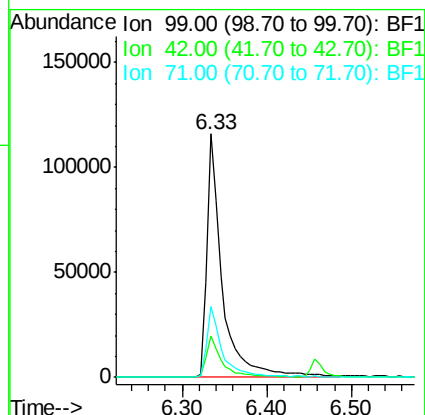
Tot Ion: 99 Resp: 147882

Ion Ratio Lower Upper

99 100

42 16.7 14.8 22.2

71 29.1 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.026 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Tgt Ion: 70 Resp: 9182

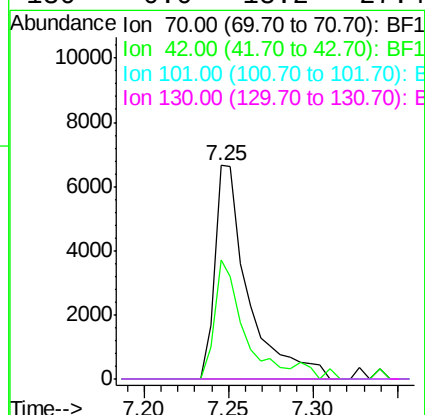
Ion Ratio Lower Upper

70 100

42 55.5 48.4 72.6

101 0.0 7.8 11.8#

130 0.0 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 357692

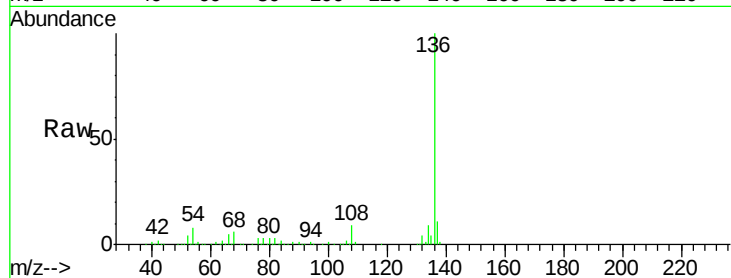
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.6 7.0 10.6

68 5.8 4.8 7.2

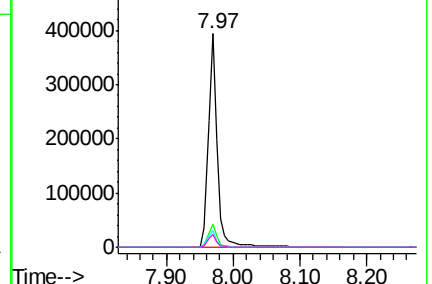
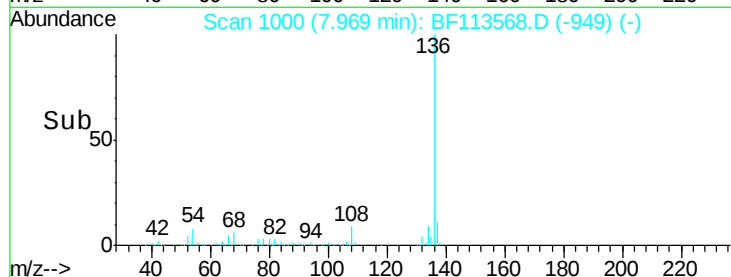


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.635 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

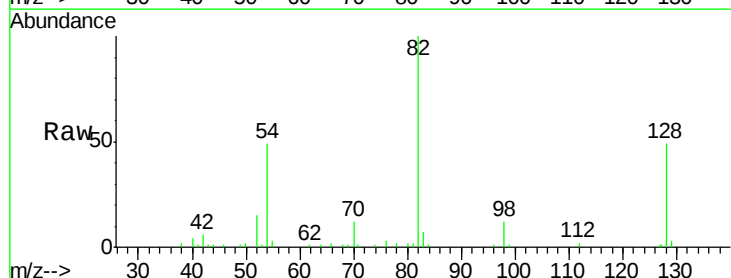
Tgt Ion: 82 Resp: 77154

Ion Ratio Lower Upper

82 100

128 49.1 36.5 54.7

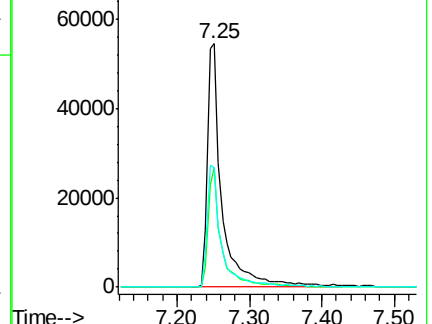
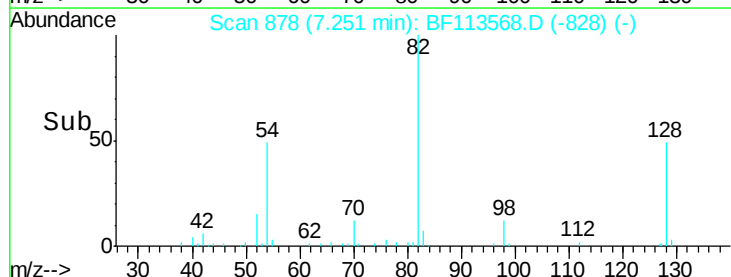
54 49.0 42.2 63.2



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: 6.559 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.26 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Instrument :

BNA_F

ClientSampleId :

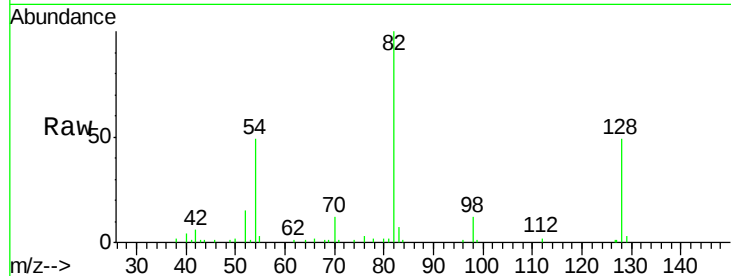
Tot Ion: 82 Resp: 77154

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

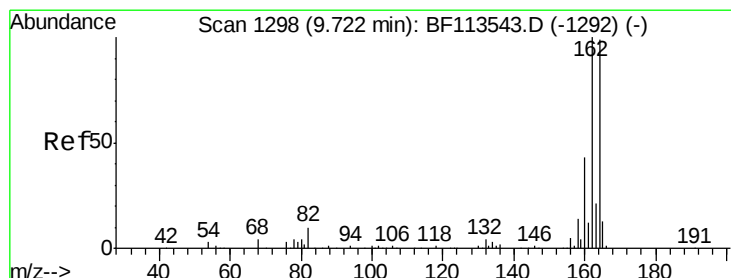
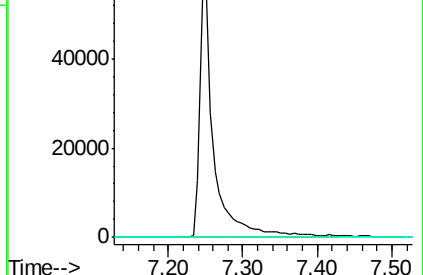
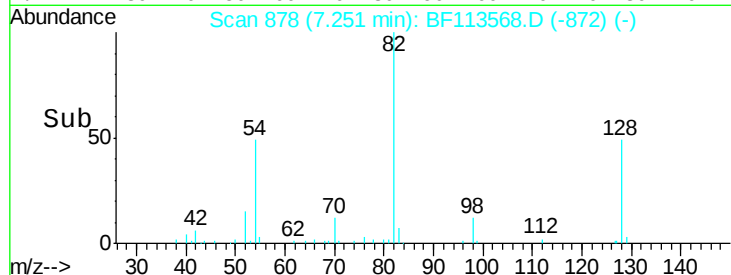
138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BF113568.D (-872) (-)

Ion 95.00 (94.70 to 95.70): BF113568.D (-872) (-)

Ion 138.00 (137.70 to 138.70): BF113568.D (-872) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

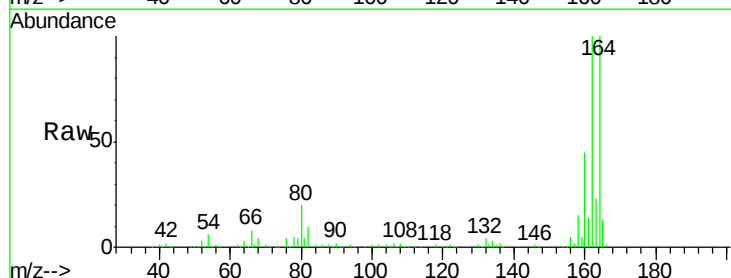
Tgt Ion:164 Resp: 156552

Ion Ratio Lower Upper

164 100

162 100.1 81.8 122.6

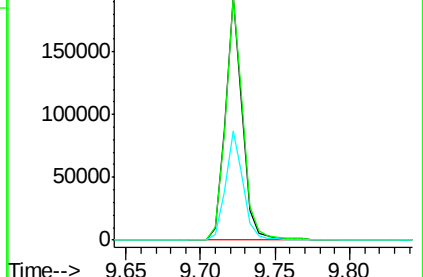
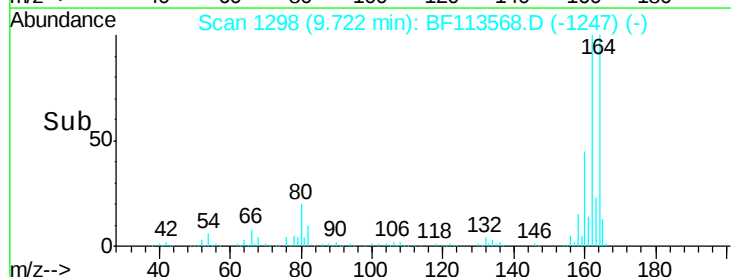
160 44.9 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): BF113568.D (-1247) (-)

Ion 162.00 (161.70 to 162.70): BF113568.D (-1247) (-)

Ion 160.00 (159.70 to 160.70): BF113568.D (-1247) (-)

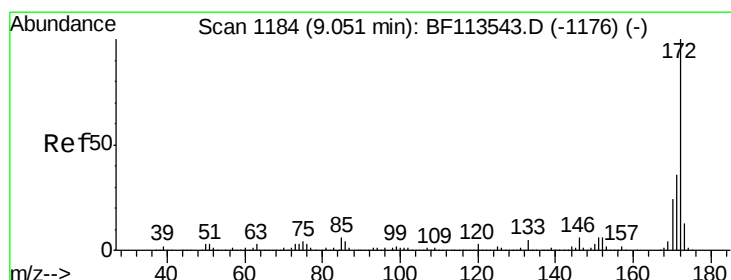
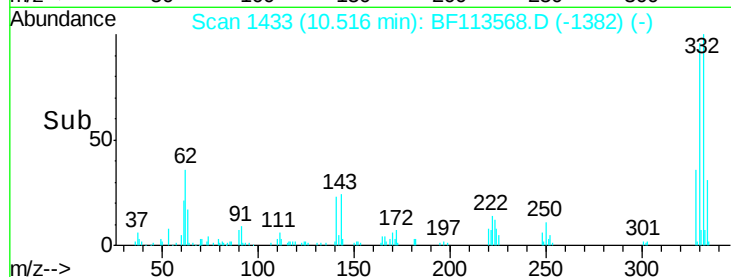
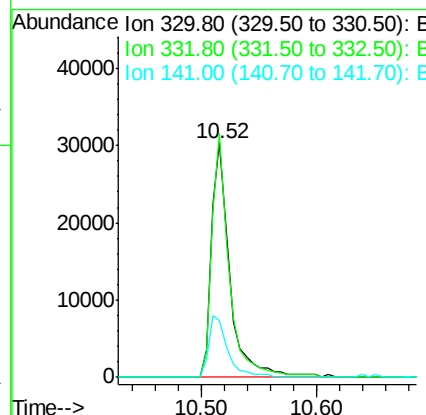
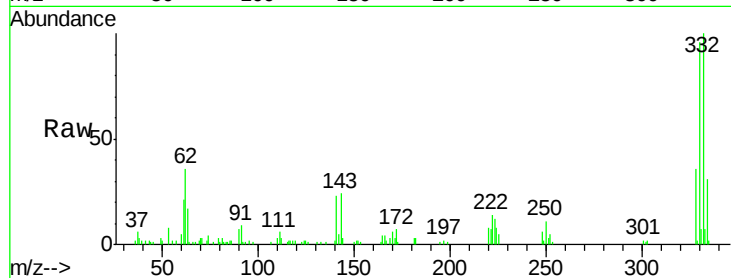




#42
 2,4,6-Tribromophenol
 Concen: 17.870 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: BF113568.D
 Acq: 4 Apr 2019 3:19

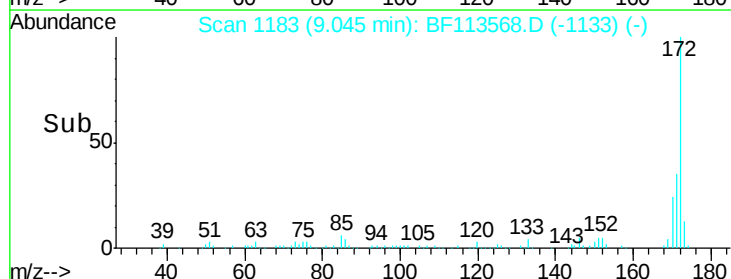
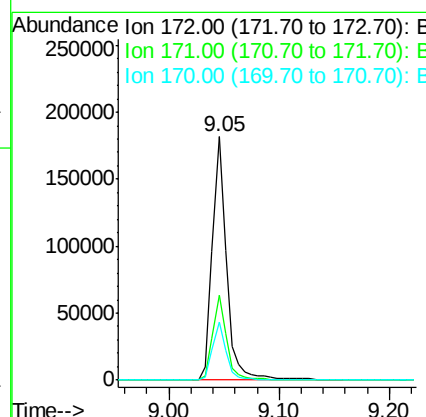
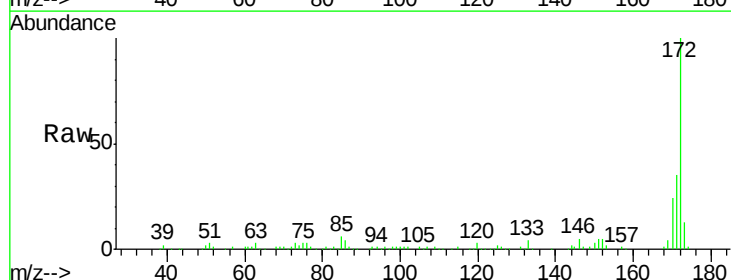
Instrument :
 BNA_F
 ClientSampleId :

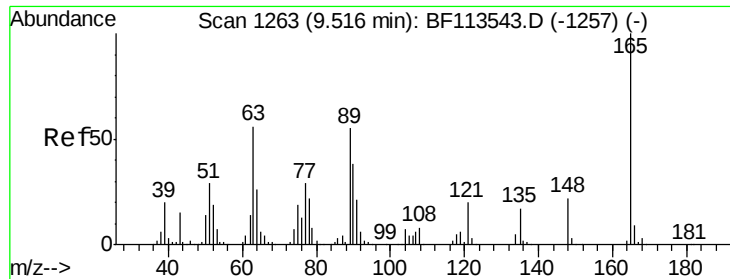
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.8	116.6
141	27.1	22.7	34.1



#45
 2-Fluorobiphenyl
 Concen: 16.277 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF113568.D
 Acq: 4 Apr 2019 3:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.0	43.6
170	23.7	19.5	29.3





#51

2,6-Dinitrotoluene

Concen: 7.901 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.21 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Instrument :

BNA_F

ClientSampleId :

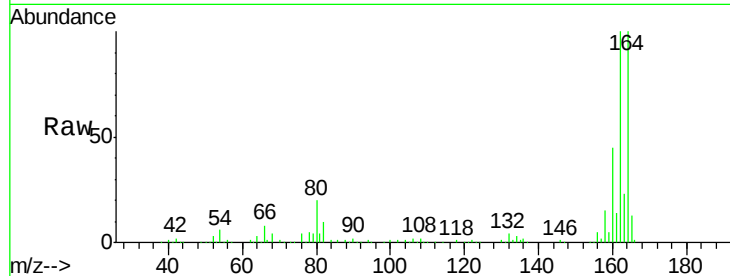
Tot Ion:165 Resp: 20097

Ion Ratio Lower Upper

165 100

63 1.3 43.4 65.0#

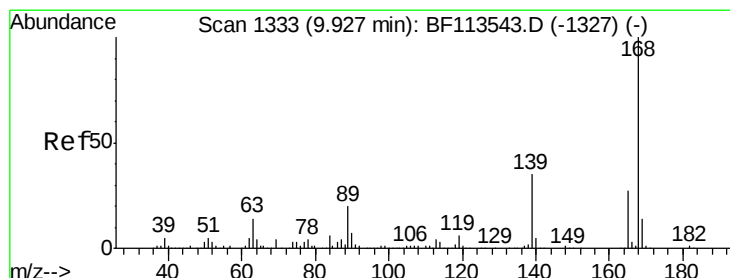
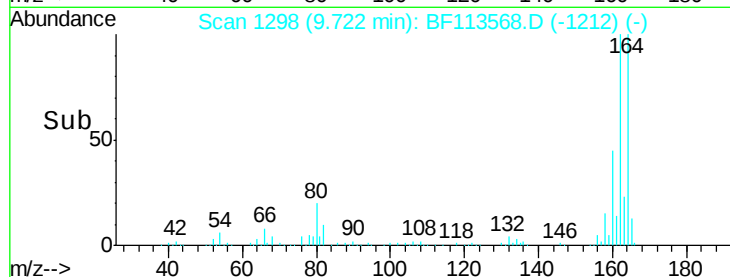
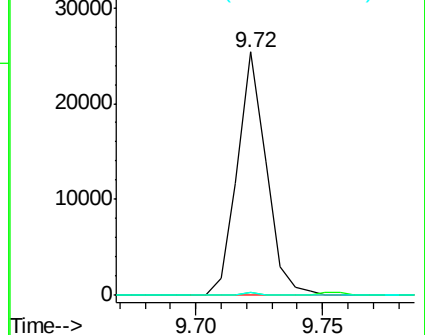
89 1.2 43.1 64.7#



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



#57

2,4-Dinitrotoluene

Concen: 6.533 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.21 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Tgt Ion:165 Resp: 20097

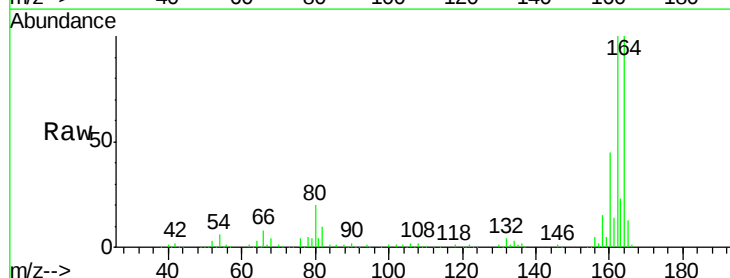
Ion Ratio Lower Upper

165 100

63 1.3 37.5 56.3#

89 1.2 57.4 86.2#

182 0.0 2.0 3.0#

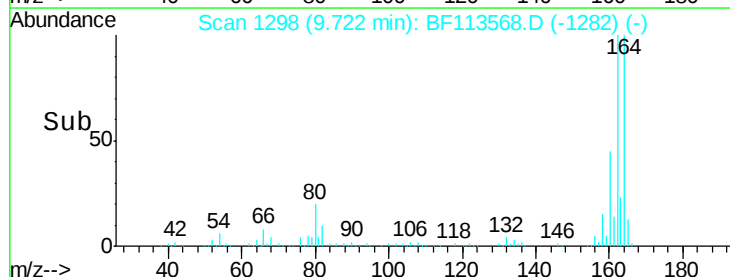
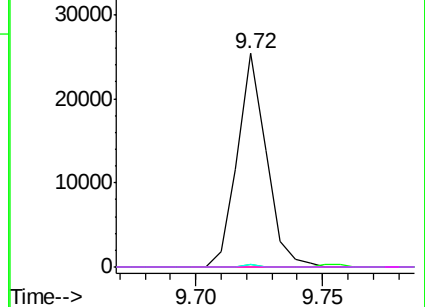


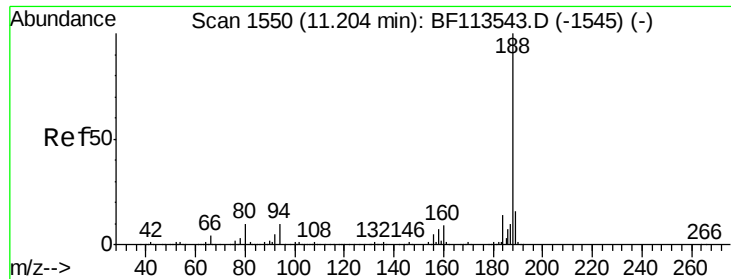
Abundance Ion 165.00 (164.70 to 165.70): E

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

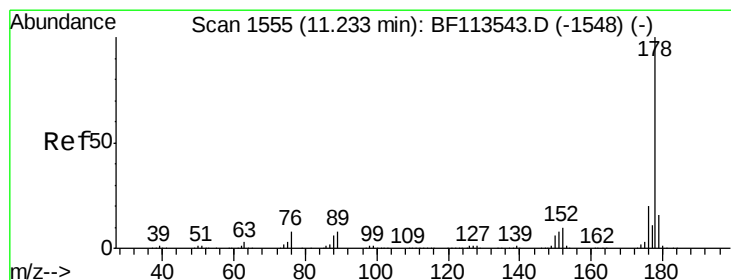
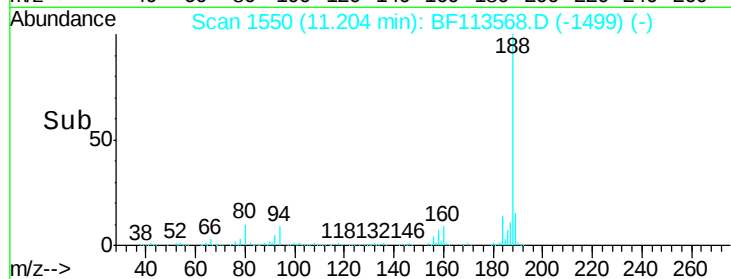
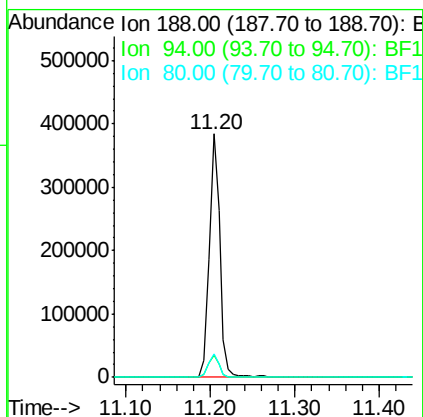
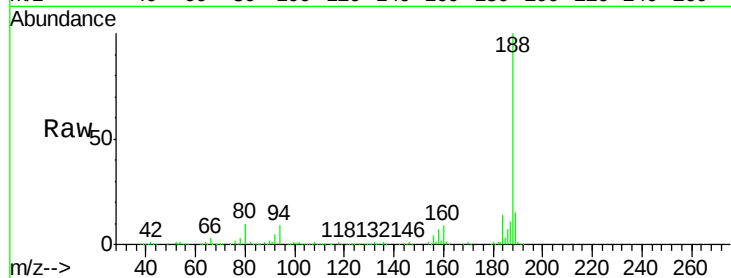




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

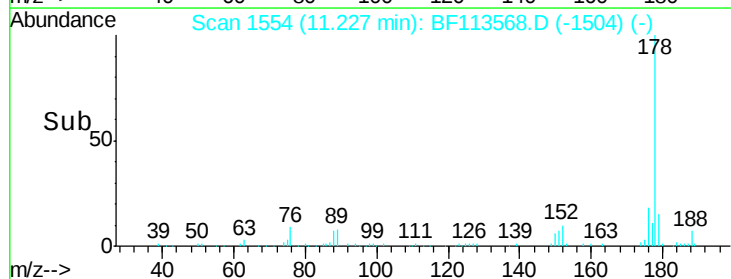
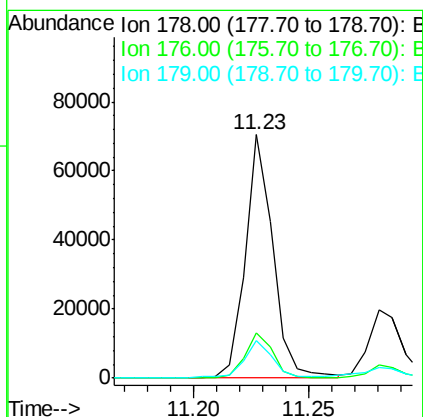
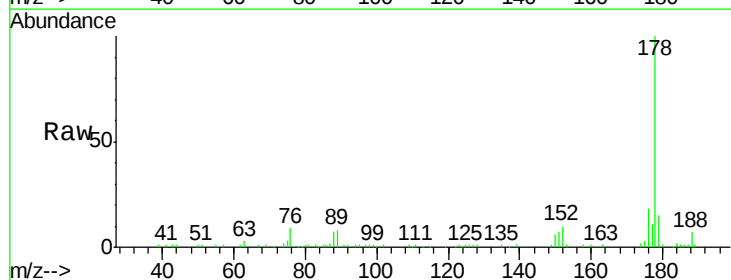
Instrument :
BNA_F
ClientSampleId :

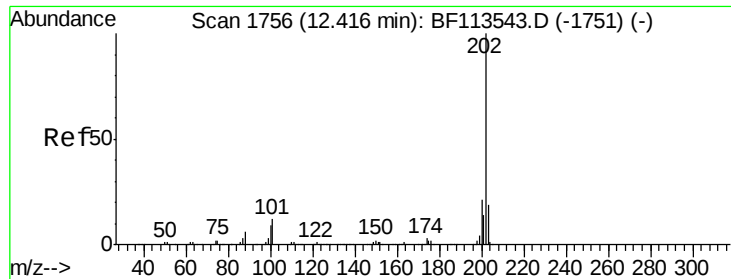
Tot Ion:188 Resp: 338740
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.6
80 9.8 7.7 11.5



#71
Phenanthrene
Concen: 3.505 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

Tgt Ion:178 Resp: 58997
Ion Ratio Lower Upper
178 100
176 18.4 16.2 24.2
179 15.3 12.7 19.1





#75

Fluoranthene

Concen: 5.193 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Instrument :

BNA_F

ClientSampleId :

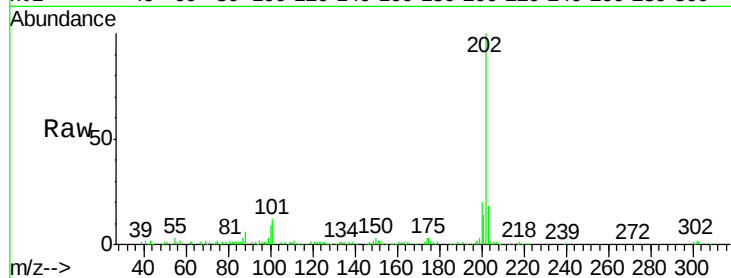
Tot Ion:202 Resp: 93664

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

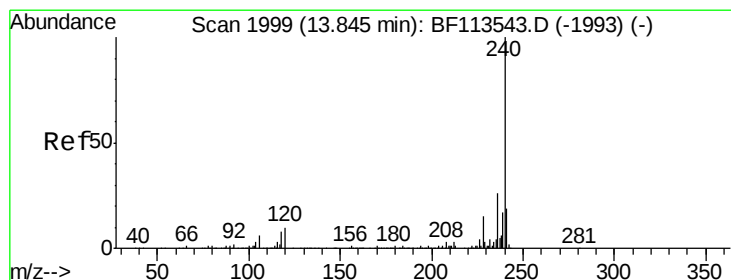
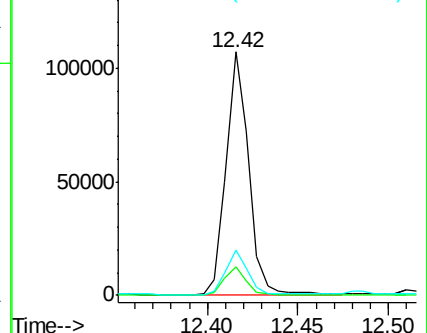
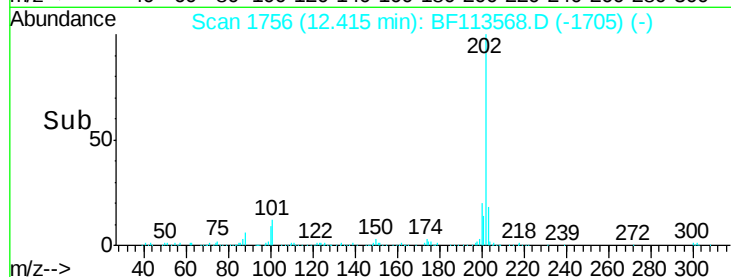
203 18.4 0.0 38.0



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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

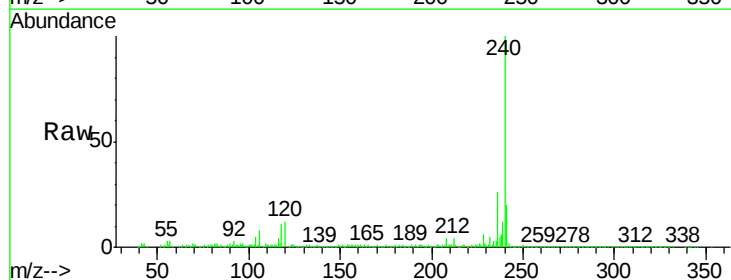
Tgt Ion:240 Resp: 295870

Ion Ratio Lower Upper

240 100

120 12.1 8.8 13.2

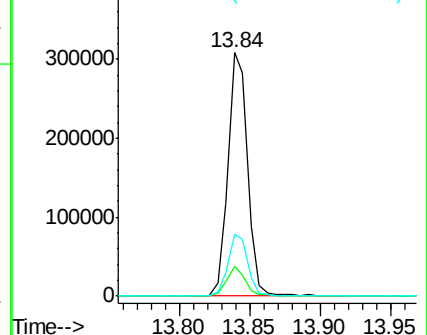
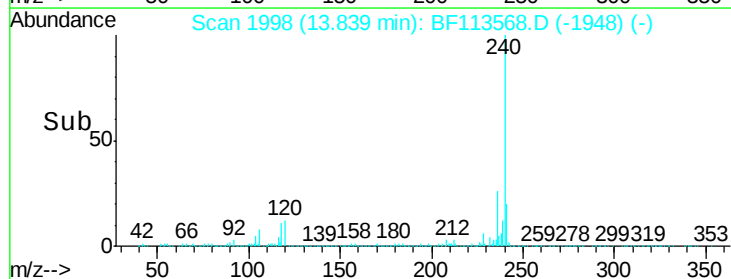
236 25.7 20.9 31.3

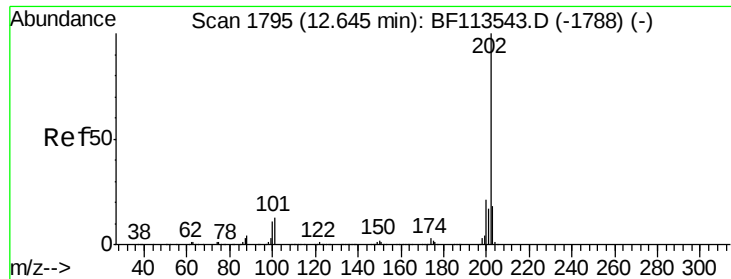


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.611 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.00 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Instrument :

BNA_F

ClientSampleId :

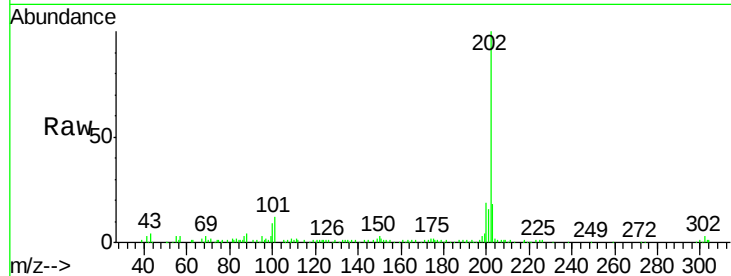
Tot Ion:202 Resp: 81288

Ion Ratio Lower Upper

202 100

200 19.3 16.8 25.2

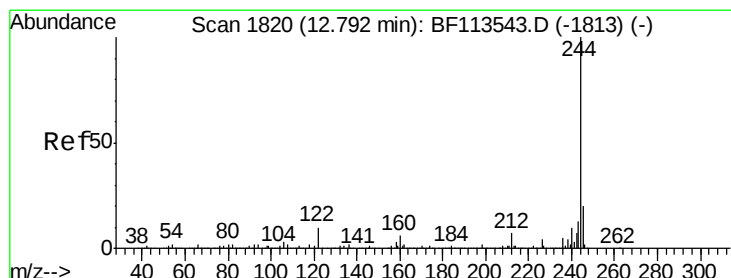
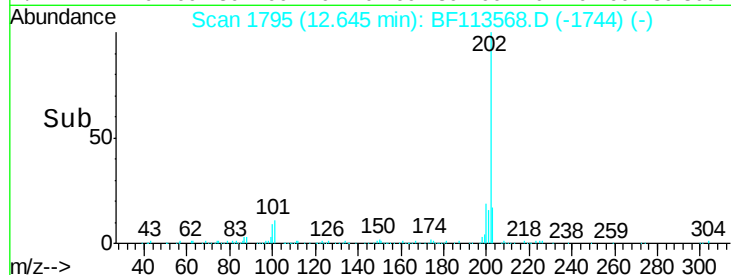
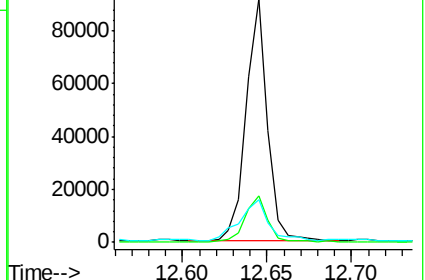
203 17.7 14.4 21.6



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: 14.364 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

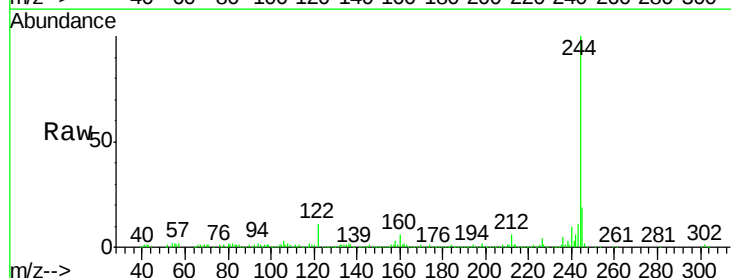
Tgt Ion:244 Resp: 208732

Ion Ratio Lower Upper

244 100

212 6.1 5.5 8.3

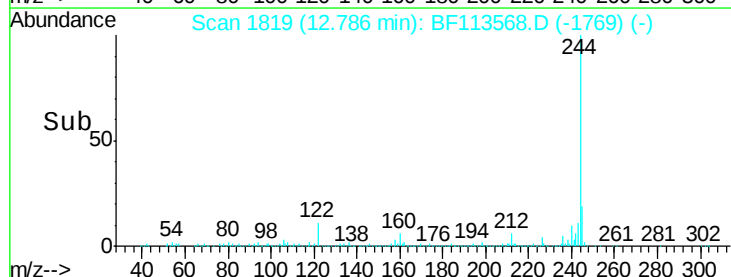
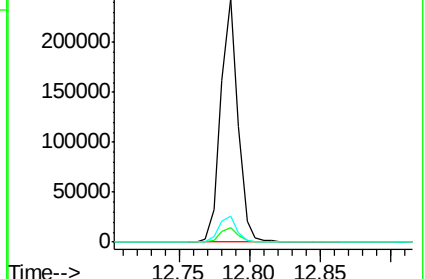
122 10.5 8.6 13.0

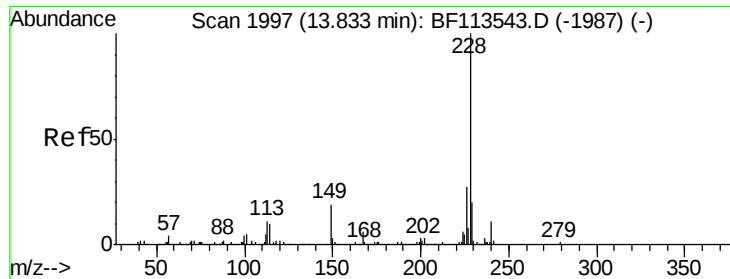


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

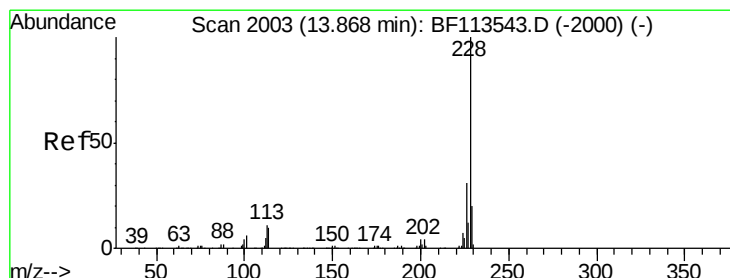
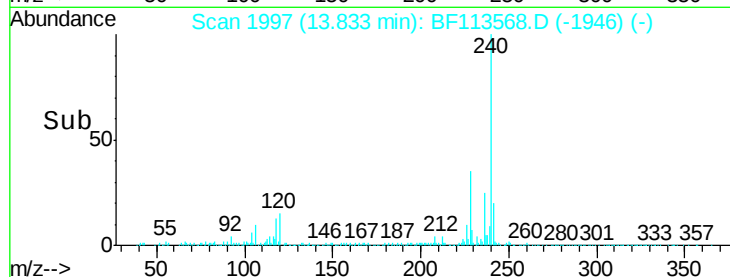
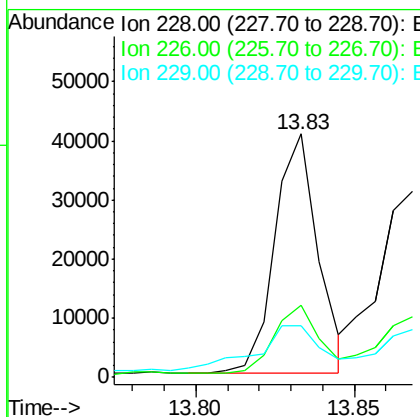
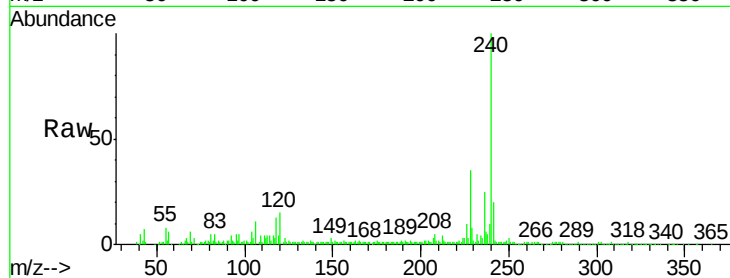




#81
Benzo(a)anthracene
Concen: 2.262 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

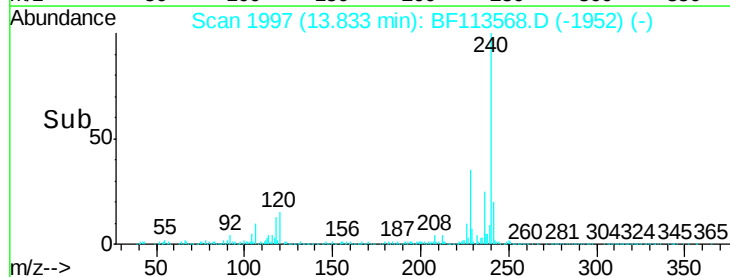
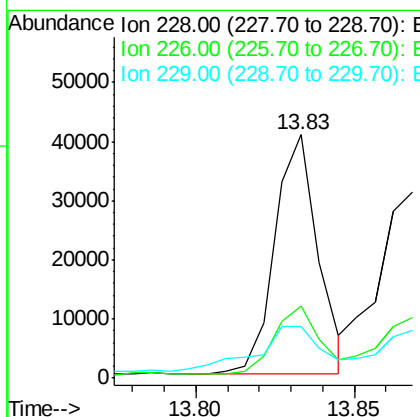
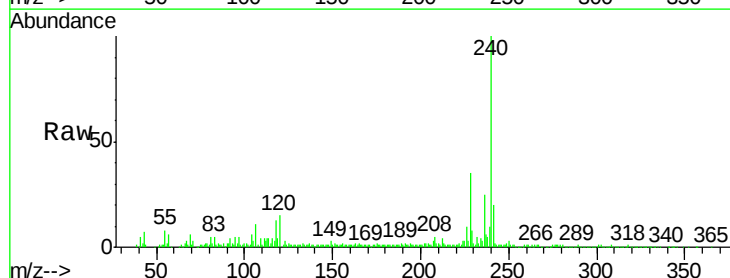
Instrument :
BNA_F
ClientSampled :

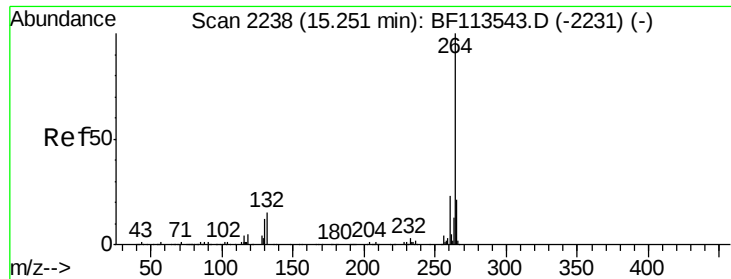
Tot Ion:228 Resp: 38603
Ion Ratio Lower Upper
228 100
226 29.7 21.8 32.8
229 21.3 16.2 24.4



#83
Chrysene
Concen: 2.231 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.04 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

Tgt Ion:228 Resp: 38603
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 21.3 16.3 24.5

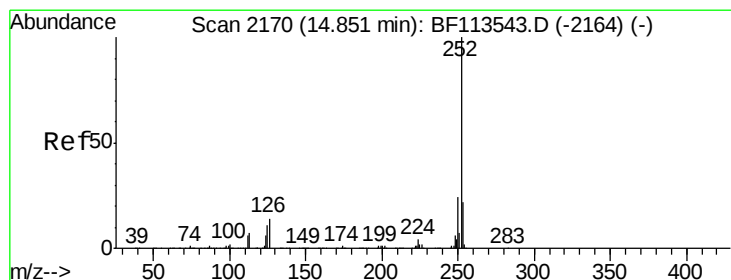
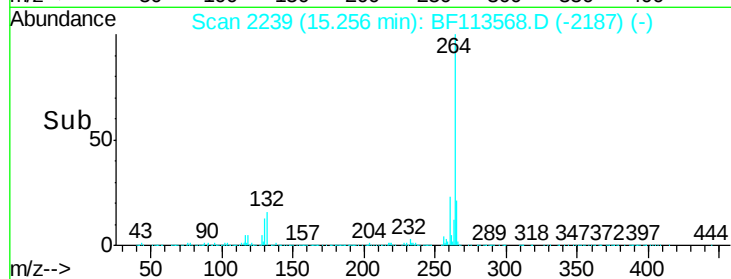
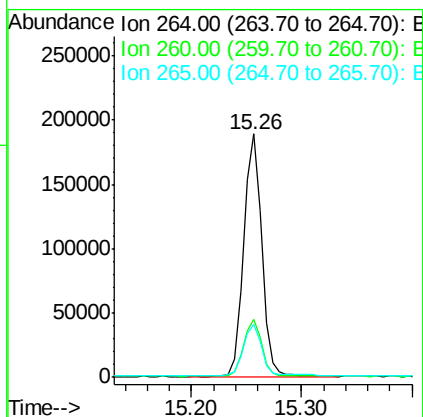
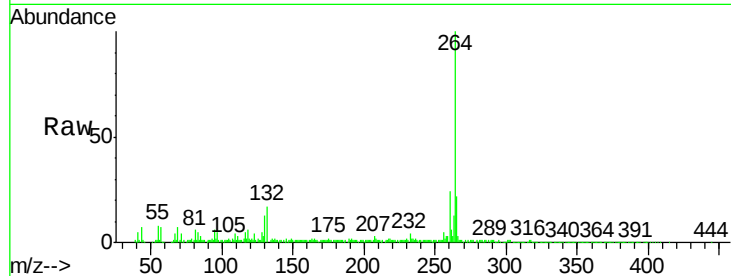




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

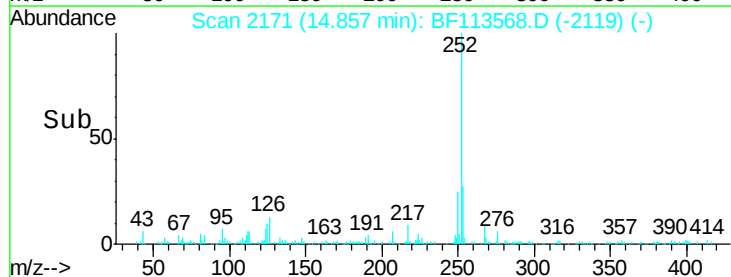
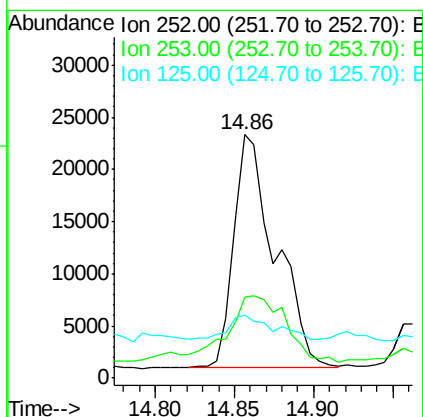
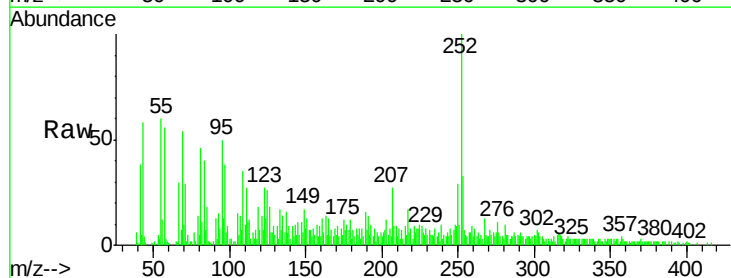
Instrument :
BNA_F
ClientSampleId :

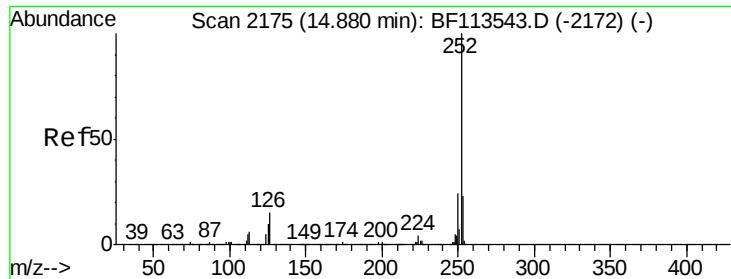
Tot Ion:264 Resp: 216980
Ion Ratio Lower Upper
264 100
260 23.6 19.1 28.7
265 21.8 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 3.058 ng
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

Tgt Ion:252 Resp: 40620
Ion Ratio Lower Upper
252 100
253 33.3 18.0 27.0#
125 25.8 7.6 11.4#





#89

Benzo(k)fluoranthene

Concen: 3.408 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Instrument :

BNA_F

ClientSampleId :

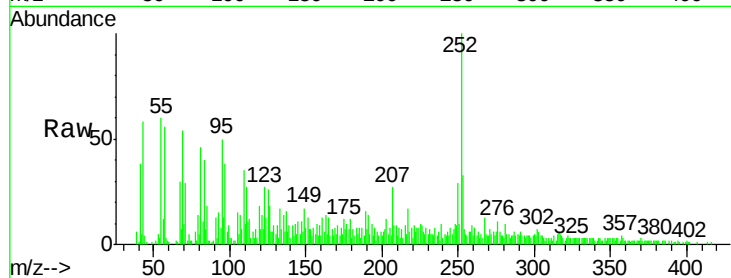
Tot Ion:252 Resp: 40620

Ion Ratio Lower Upper

252 100

253 33.3 17.7 26.5#

125 25.8 7.3 10.9#



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

