

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040319\
 Data File : BF113565.D
 Acq On : 4 Apr 2019 1:48
 Operator : JU/SJ
 Sample : K2197-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 04 04:29:25 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

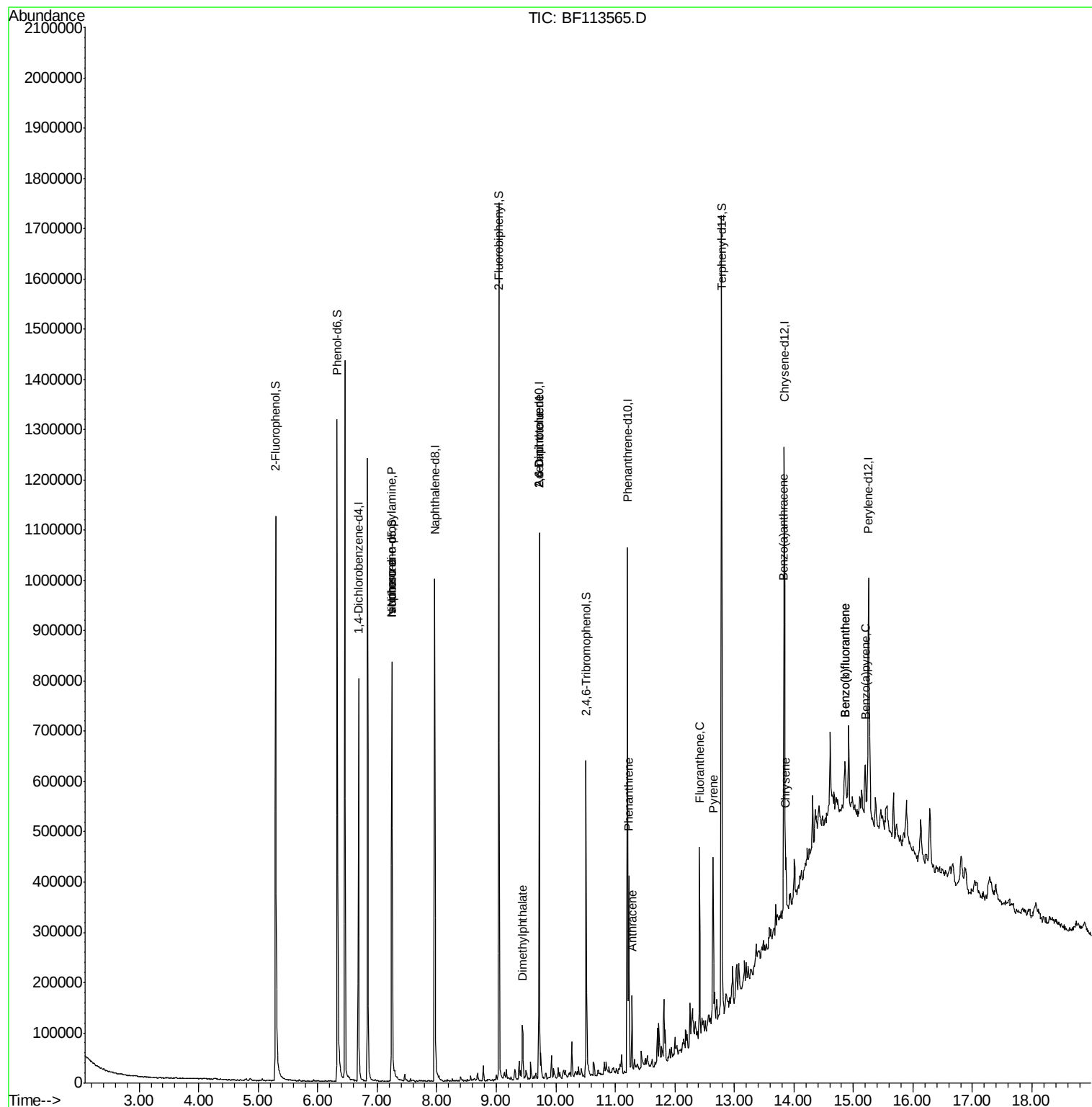
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	136734	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	482581	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	199233	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	365009	20.00	ng	0.00
76) Chrysene-d12	13.84	240	311594	20.00	ng	0.00
87) Perylene-d12	15.25	264	224107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	385816	48.12	ng	0.00
7) Phenol-d6	6.33	99	513301	51.94	ng	-0.01
23) Nitrobenzene-d5	7.25	82	275253	33.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	89725	37.49	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	524924	42.42	ng	0.00
79) Terphenyl-d14	12.79	244	534137	34.90	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	34832	5.716	ng	# 76
25) Isophorone	7.25	82	271807	17.126	ng	# 64
50) Dimethylphthalate	9.44	163	45649	3.108	ng	99
51) 2,6-Dinitrotoluene	9.72	165	25457	7.864	ng	# 26
57) 2,4-Dinitrotoluene	9.72	165	25457	6.502	ng	# 23
71) Phenanthrene	11.23	178	134266	7.403	ng	98
72) Anthracene	11.28	178	59136	3.205	ng	99
75) Fluoranthene	12.42	202	149864	7.711	ng	99
78) Pyrene	12.65	202	150342	6.341	ng	98
81) Benzo(a)anthracene	13.83	228	54873	3.053	ng	97
83) Chrysene	13.86	228	54361	2.983	ng	96
88) Benzo(b)fluoranthene	14.86	252	58727	4.281	ng	# 81
89) Benzo(k)fluoranthene	14.86	252	58727	4.770	ng	# 80
90) Benzo(a)pyrene	15.20	252	32966	2.704	ng	# 80

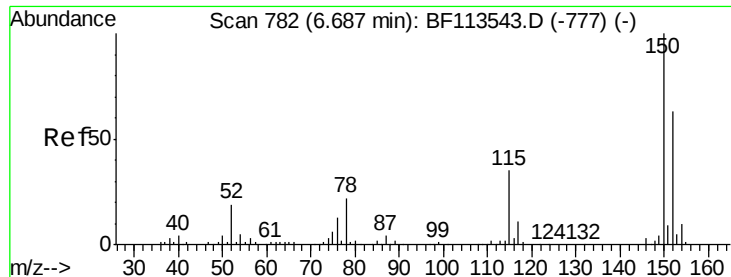
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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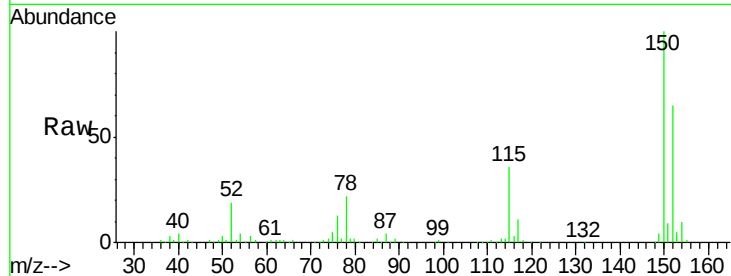


#1

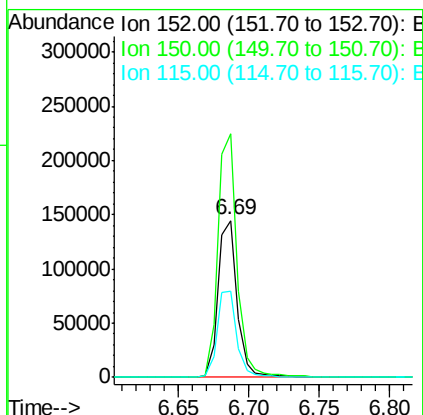
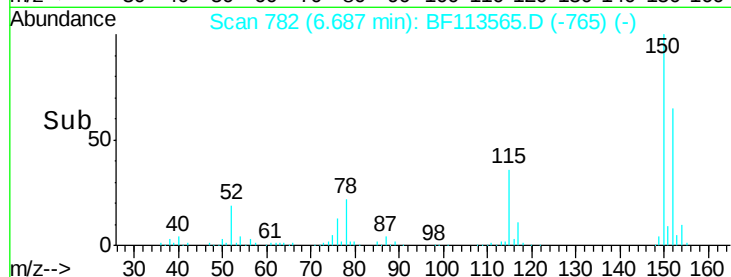
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF113565.D
Acq: 4 Apr 2019 1:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136734
Ion Ratio Lower Upper
152 100
150 155.0 124.7 187.1
115 55.1 46.0 69.0



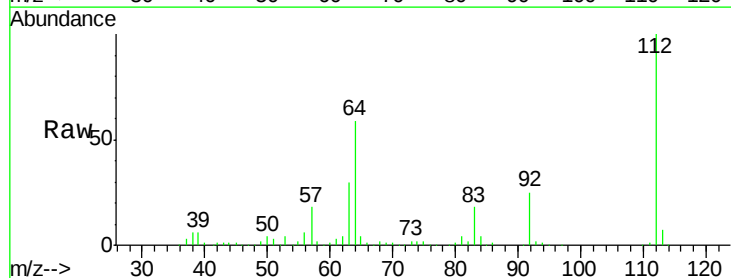
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



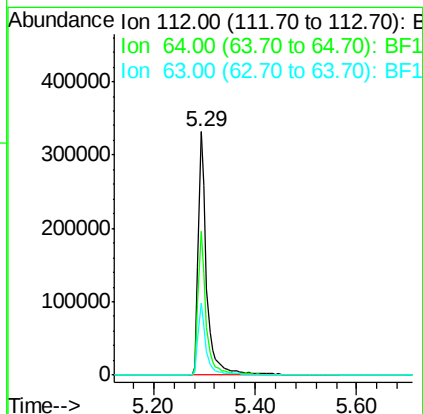
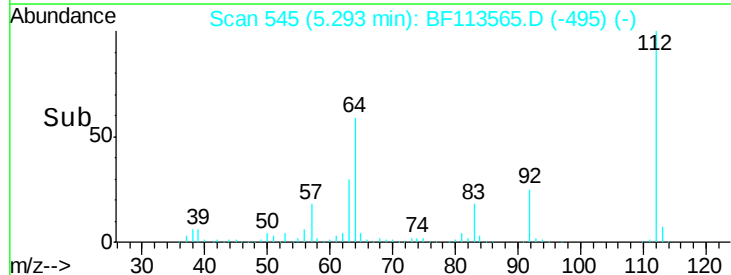
#5

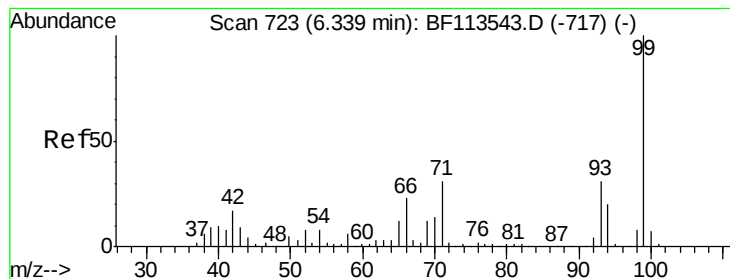
2-Fluorophenol
Concen: 48.116 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113565.D
Acq: 4 Apr 2019 1:48

Tgt Ion:112 Resp: 385816
Ion Ratio Lower Upper
112 100
64 58.8 49.2 73.8
63 29.7 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: 51.939 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113565.D

Acq: 4 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

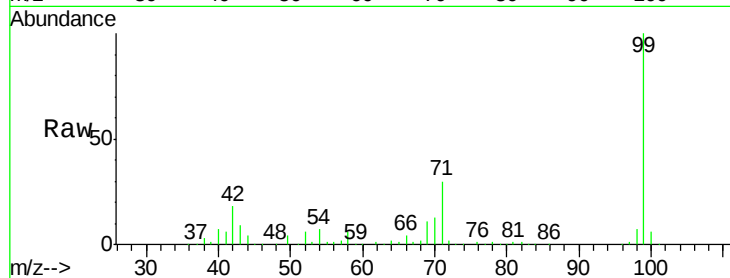
Tot Ion: 99 Resp: 513301

Ion Ratio Lower Upper

99 100

42 17.8 14.8 22.2

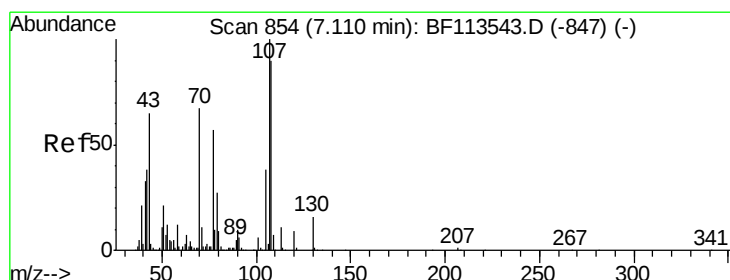
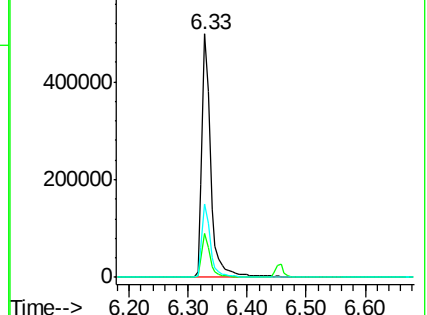
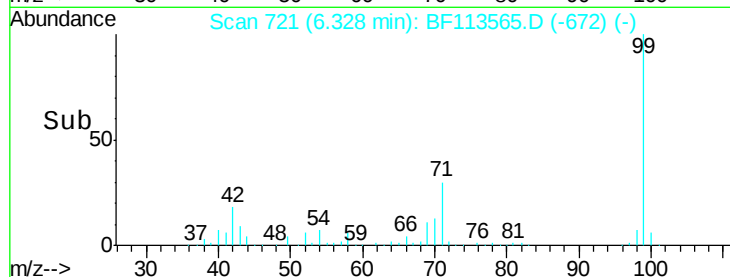
71 30.0 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.716 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113565.D

Acq: 4 Apr 2019 1:48

Tgt Ion: 70 Resp: 34832

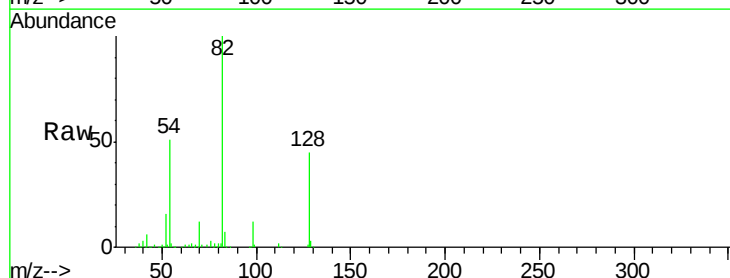
Ion Ratio Lower Upper

70 100

42 47.5 48.4 72.6#

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#

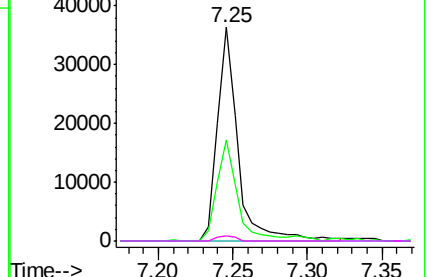
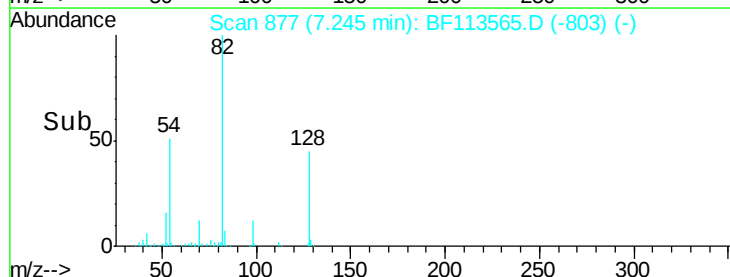


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

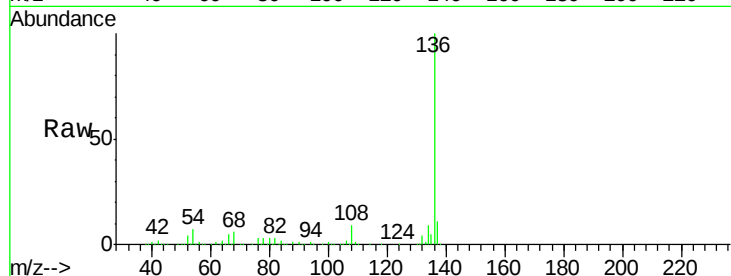




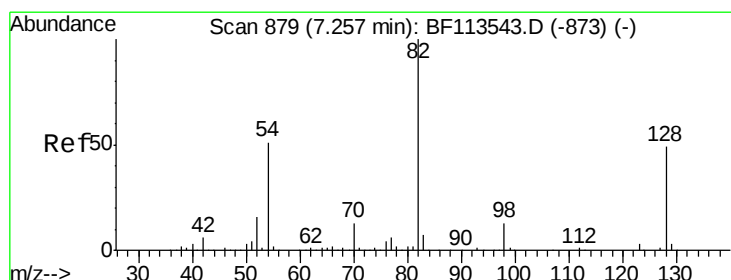
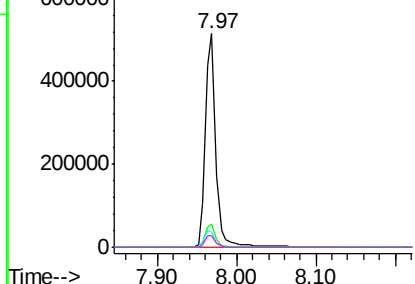
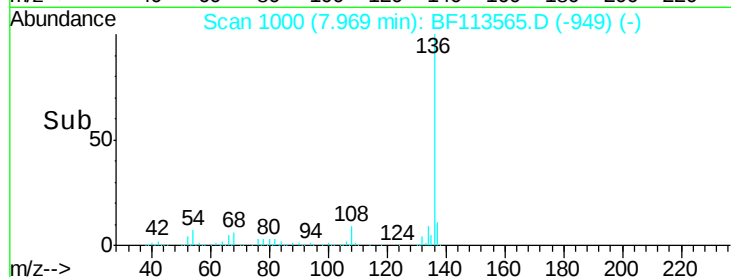
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BF113565.D
Acq: 4 Apr 2019 1:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	482581
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	7.2	7.0 10.6
68	5.6	4.8 7.2

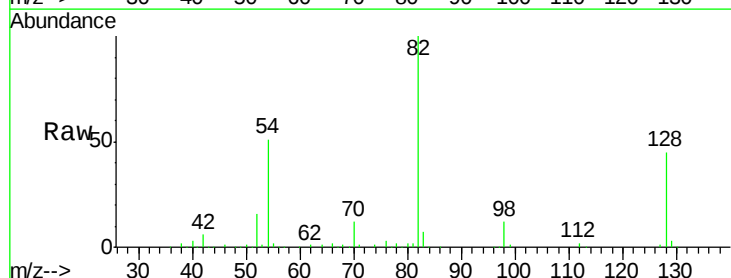


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

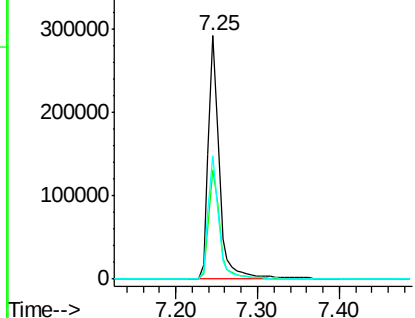
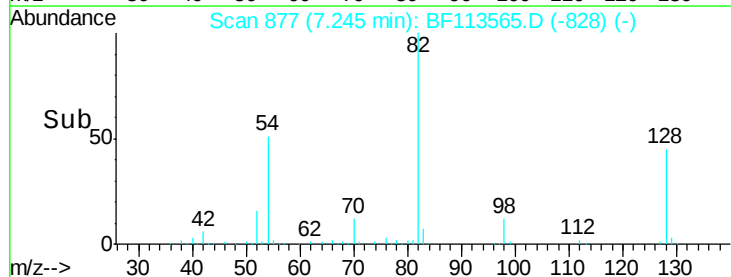


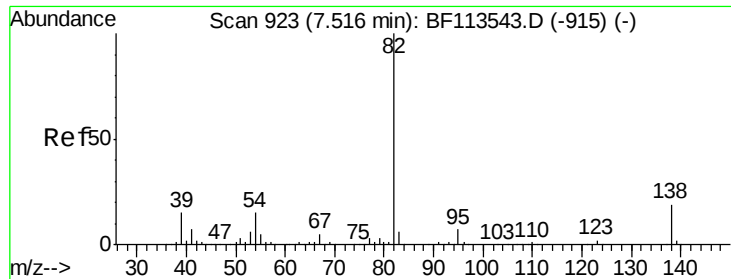
#23
Nitrobenzene-d5
Concen: 33.410 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113565.D
Acq: 4 Apr 2019 1:48

Tgt Ion: 82	Resp:	275253
Ion	Ratio	Lower Upper
82	100	
128	45.0	36.5 54.7
54	50.8	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: 17.126 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113565.D

Acq: 4 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

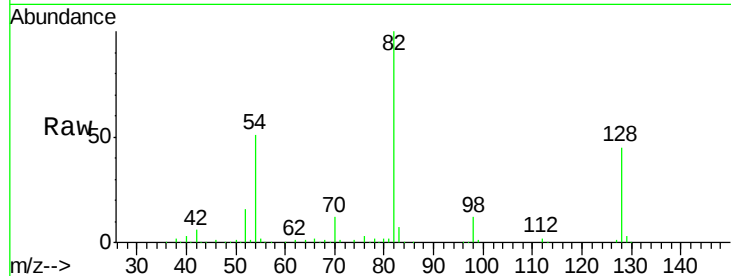
Tot Ion: 82 Resp: 271807

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#

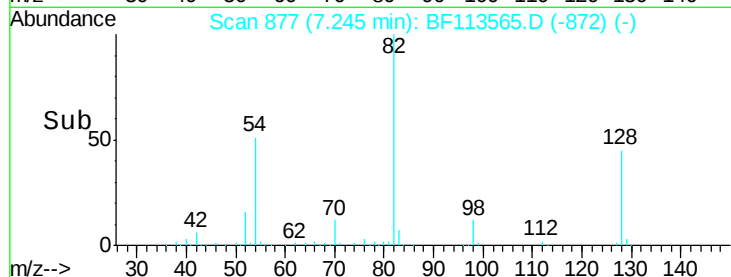


Abundance Ion 82.00 (81.70 to 82.70): BF113543.D (-915) (-)

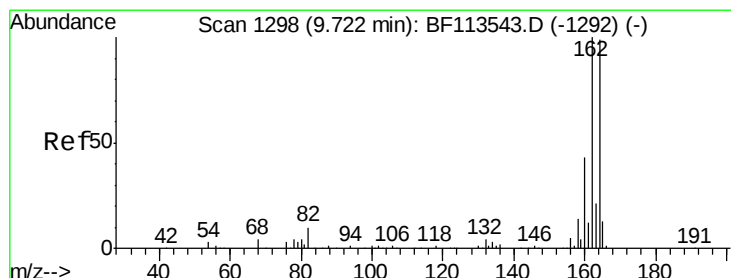
Ion 95.00 (94.70 to 95.70): BF113543.D (-915) (-)

Ion 138.00 (137.70 to 138.70): BF113543.D (-915) (-)

Time-->



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BF113565.D

Acq: 4 Apr 2019 1:48

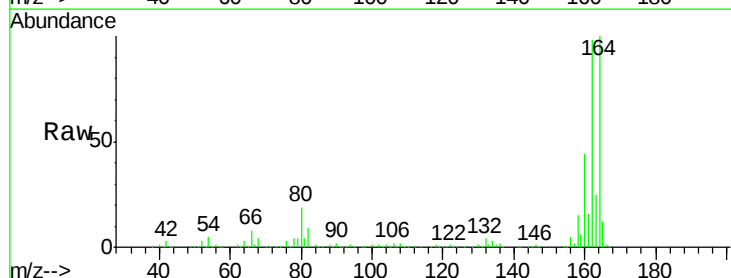
Tgt Ion:164 Resp: 199233

Ion Ratio Lower Upper

164 100

162 98.3 81.8 122.6

160 44.4 36.4 54.6

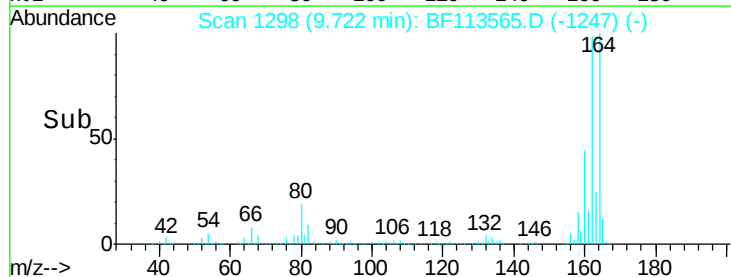


Abundance Ion 164.00 (163.70 to 164.70): BF113543.D (-1292) (-)

Ion 162.00 (161.70 to 162.70): BF113543.D (-1292) (-)

Ion 160.00 (159.70 to 160.70): BF113543.D (-1292) (-)

Time-->



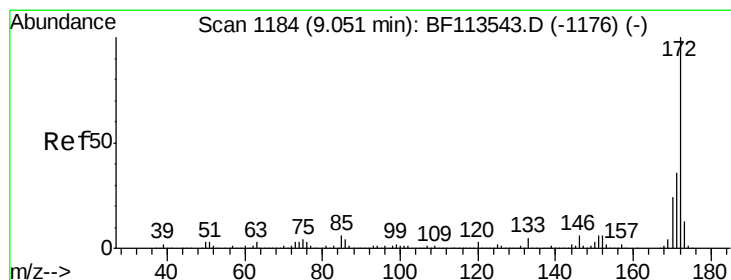
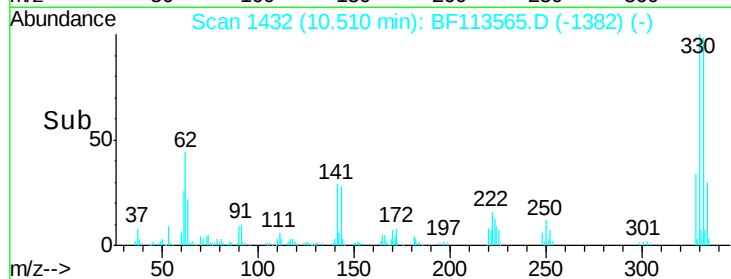
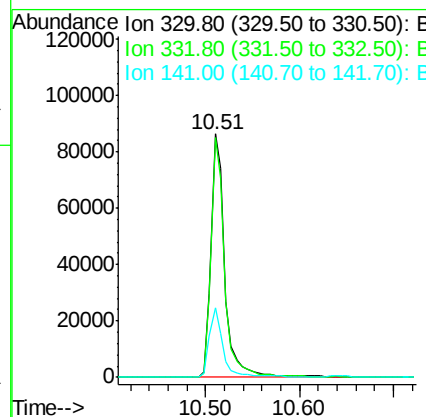
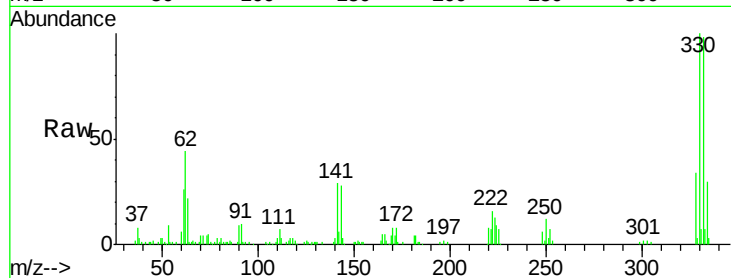
Time-->



#42
 2,4,6-Tribromophenol
 Concen: 37.490 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF113565.D
 Acq: 4 Apr 2019 1:48

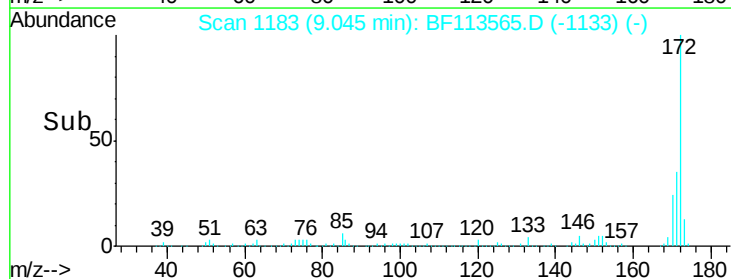
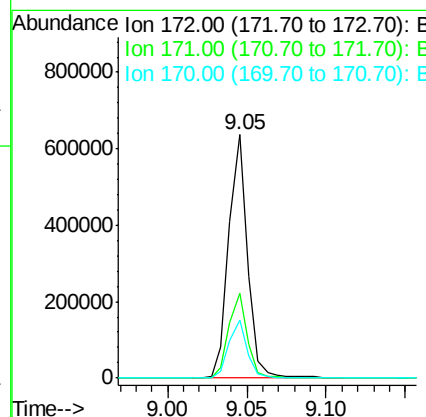
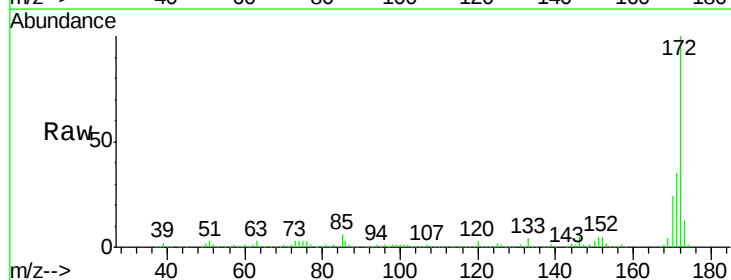
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 89725
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.8 116.6
 141 28.4 22.7 34.1



#45
 2-Fluorobiphenyl
 Concen: 42.416 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF113565.D
 Acq: 4 Apr 2019 1:48

Tgt Ion:172 Resp: 524924
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.0 43.6
 170 23.7 19.5 29.3

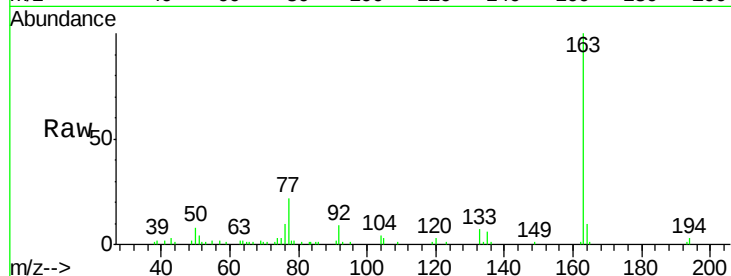




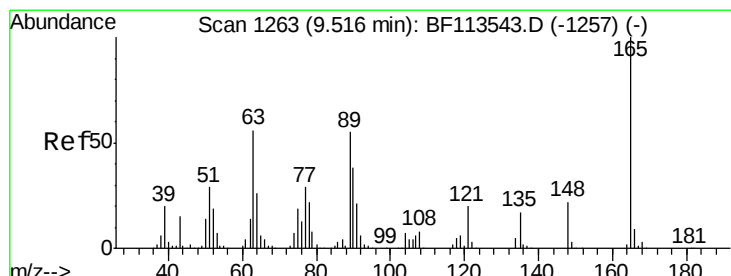
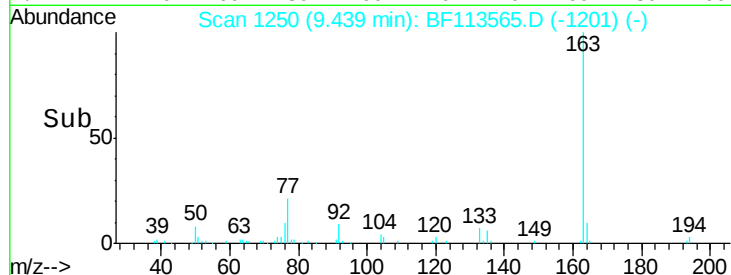
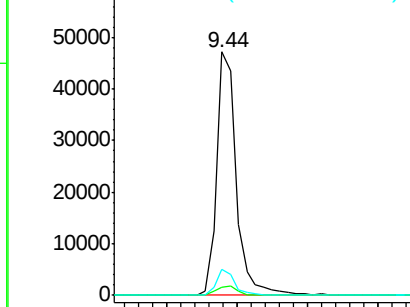
#50
Dimethylphthalate
Concen: 3.108 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF113565.D
Acq: 4 Apr 2019 1:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 45649
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.6
164 10.5 8.1 12.1

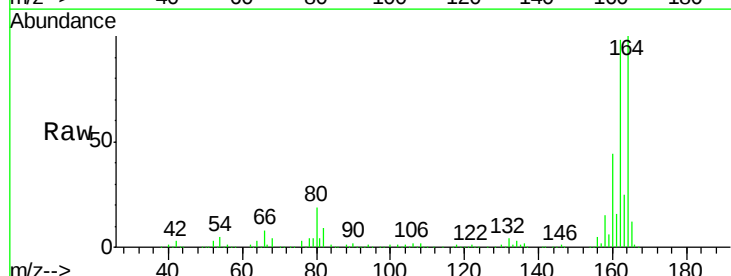


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

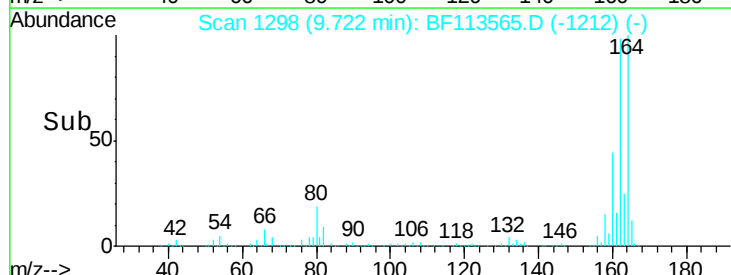
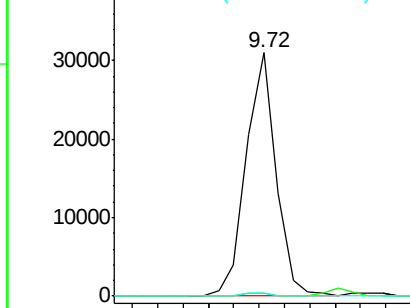


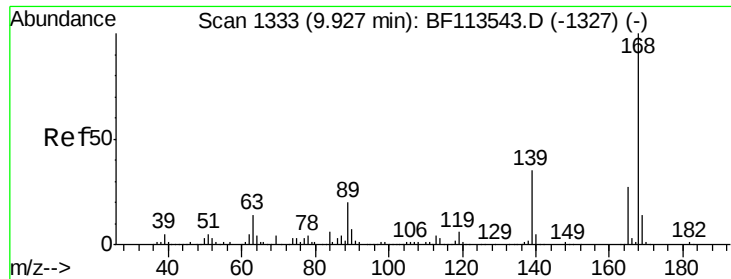
#51
2,6-Dinitrotoluene
Concen: 7.864 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.21 min
Lab File: BF113565.D
Acq: 4 Apr 2019 1:48

Tgt Ion:165 Resp: 25457
Ion Ratio Lower Upper
165 100
63 1.4 43.4 65.0#
89 1.3 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

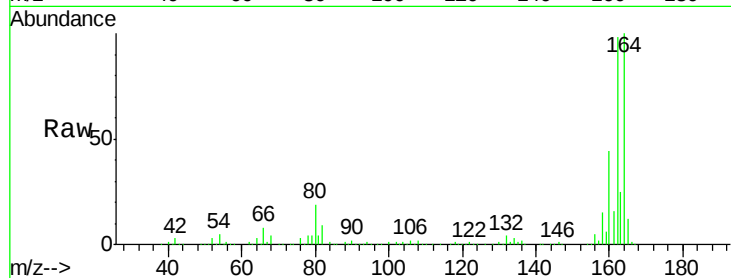




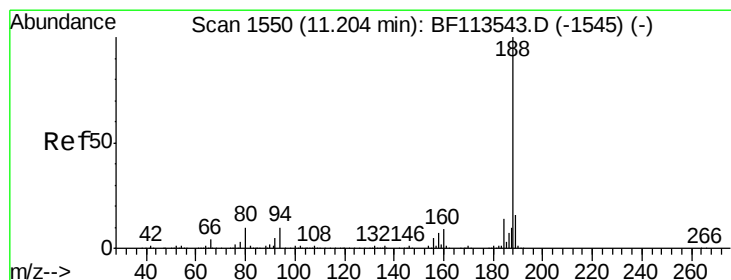
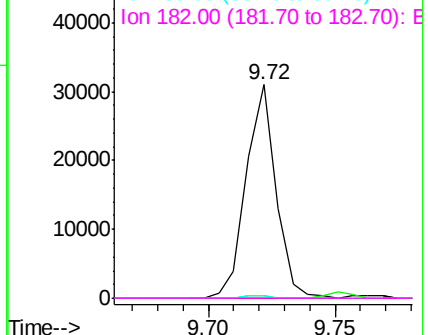
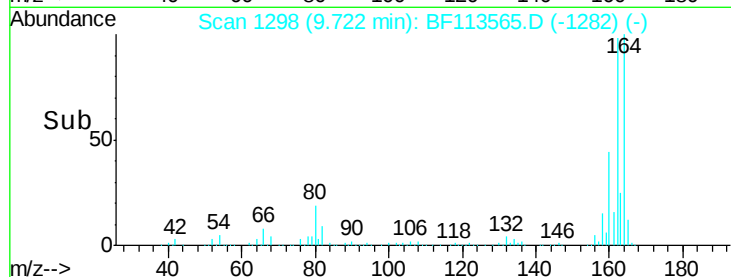
#57
 2,4-Dinitrotoluene
 Concen: 6.502 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF113565.D
 Acq: 4 Apr 2019 1:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 25457
 Ion Ratio Lower Upper
 165 100
 63 1.4 37.5 56.3#
 89 1.3 57.4 86.2#
 182 0.0 2.0 3.0#

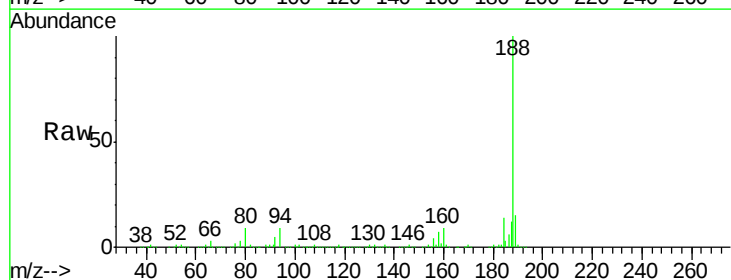


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

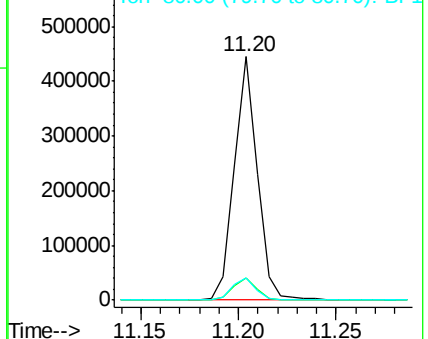
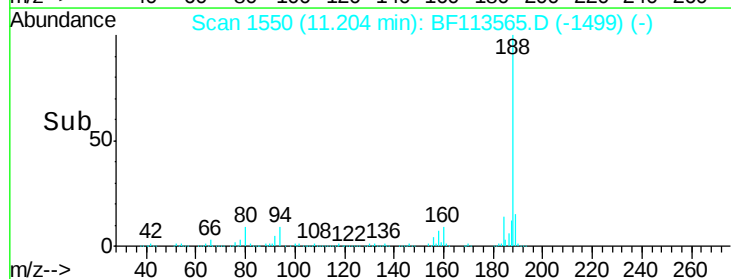


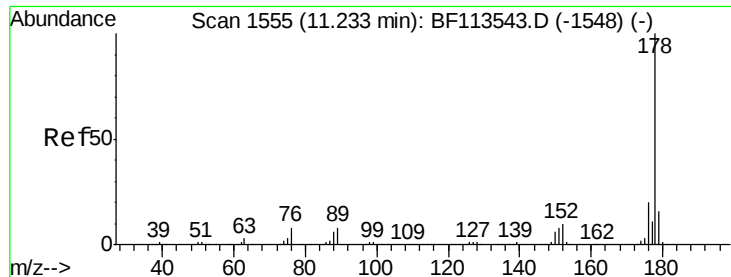
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. 0.00 min
 Lab File: BF113565.D
 Acq: 4 Apr 2019 1:48

Tgt Ion:188 Resp: 365009
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.0 10.6
 80 9.3 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

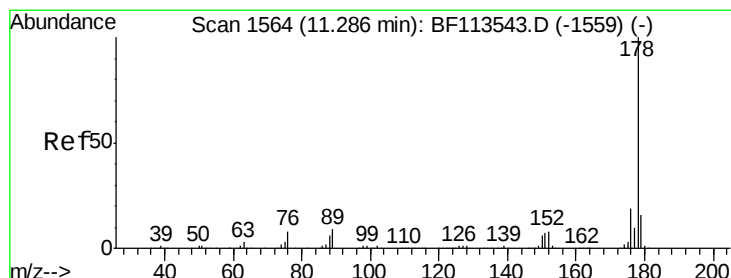
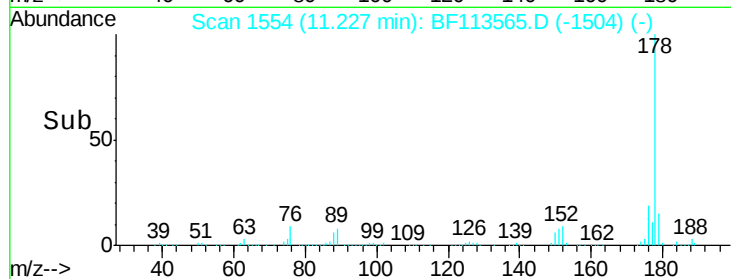
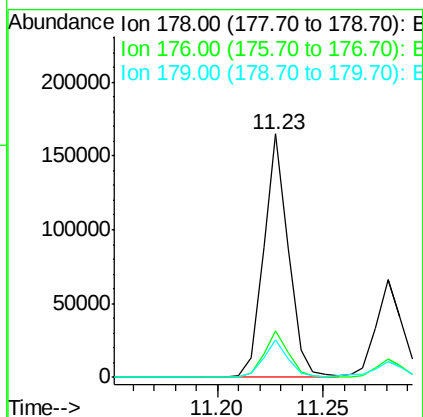
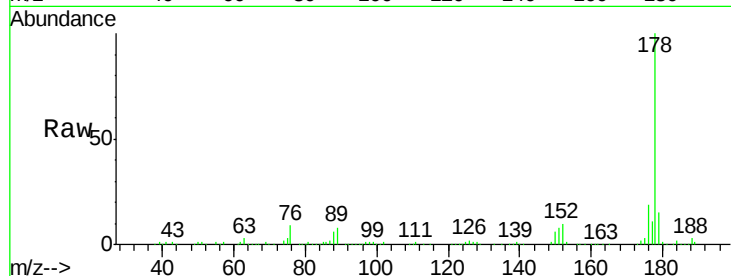




#71
 Phenanthrene
 Concen: 7.403 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF113565.D
 Acq: 4 Apr 2019 1:48

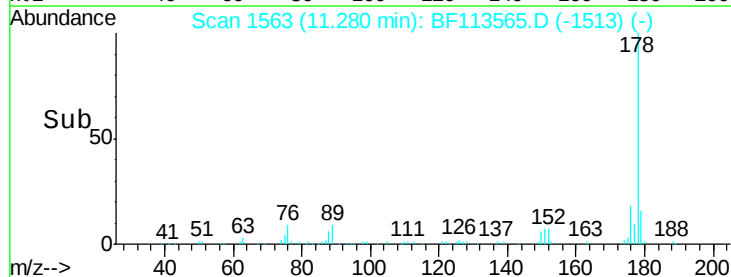
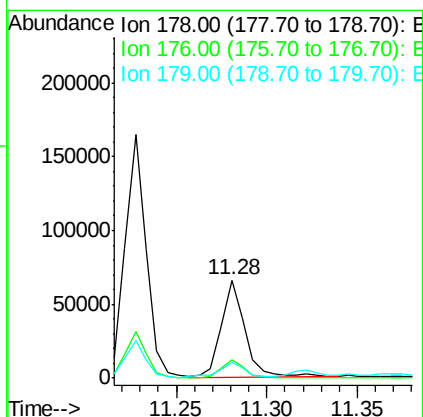
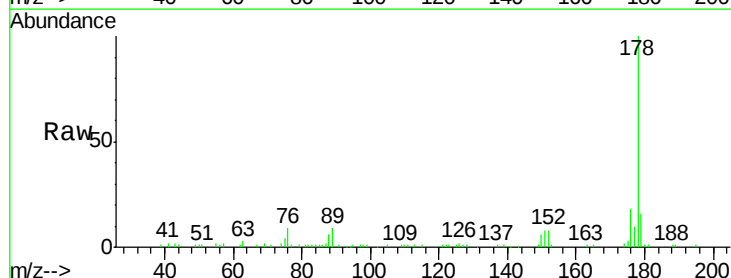
Instrument :
 BNA_F
 ClientSampleId :

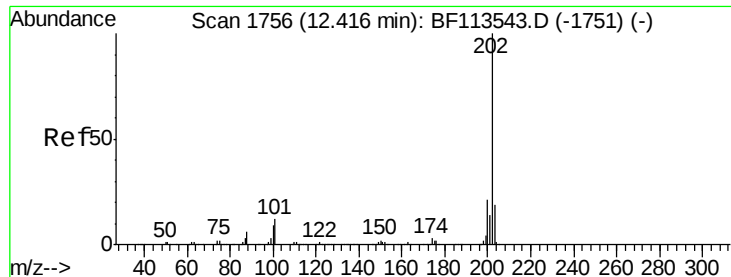
Tot Ion:178 Resp: 134266
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.2
 179 15.3 12.7 19.1



#72
 Anthracene
 Concen: 3.205 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF113565.D
 Acq: 4 Apr 2019 1:48

Tgt Ion:178 Resp: 59136
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 16.1 12.8 19.2





#75

Fluoranthene

Concen: 7.711 ng

RT: 12.42 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF113565.D

Acq: 4 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

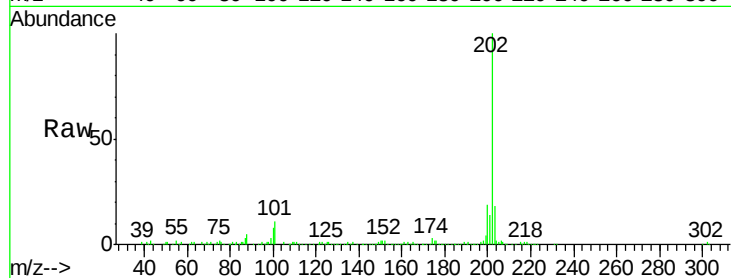
Tot Ion:202 Resp: 149864

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

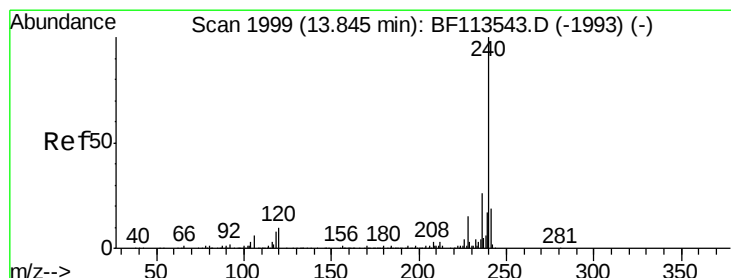
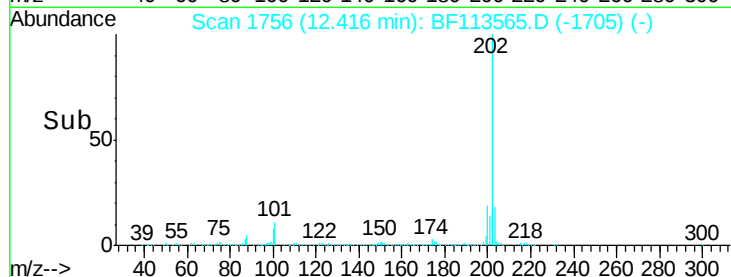
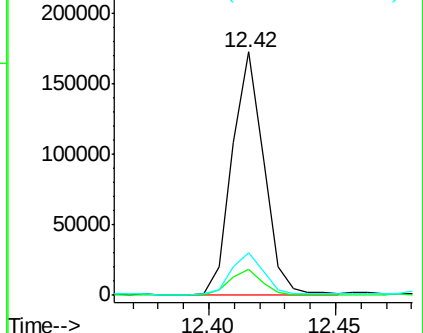
203 17.7 0.0 38.0



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: BF113565.D

Acq: 4 Apr 2019 1:48

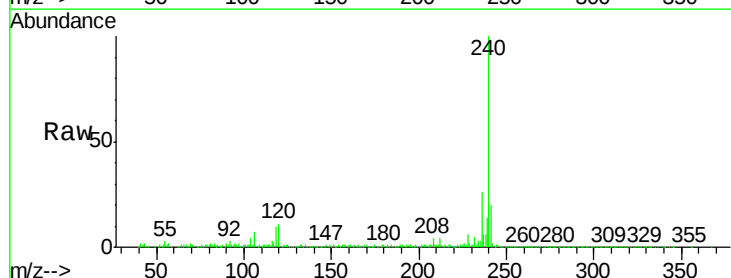
Tgt Ion:240 Resp: 311594

Ion Ratio Lower Upper

240 100

120 11.3 8.8 13.2

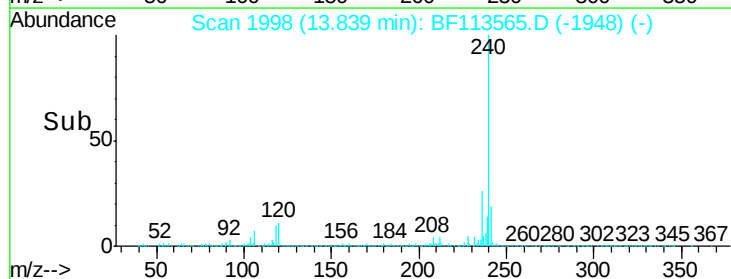
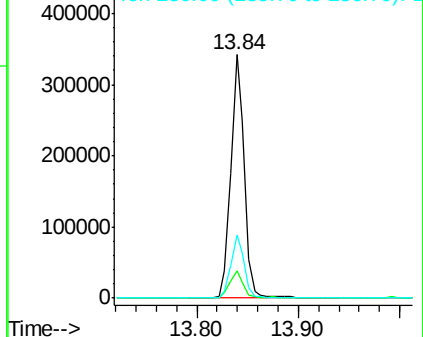
236 26.0 20.9 31.3

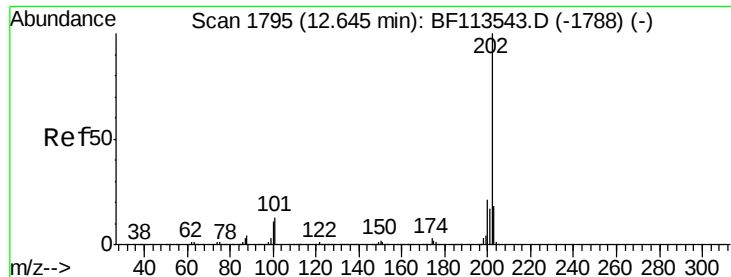


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.341 ng

RT: 12.65 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BF113565.D

Acq: 4 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

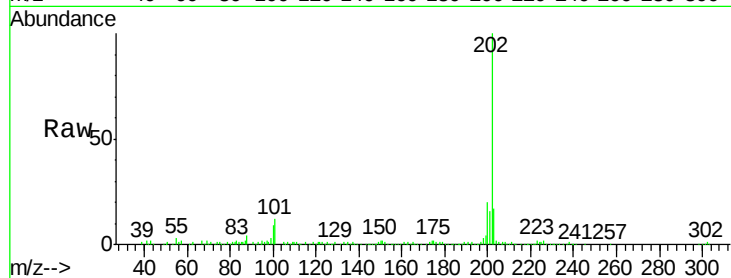
Tot Ion:202 Resp: 150342

Ion Ratio Lower Upper

202 100

200 19.8 16.8 25.2

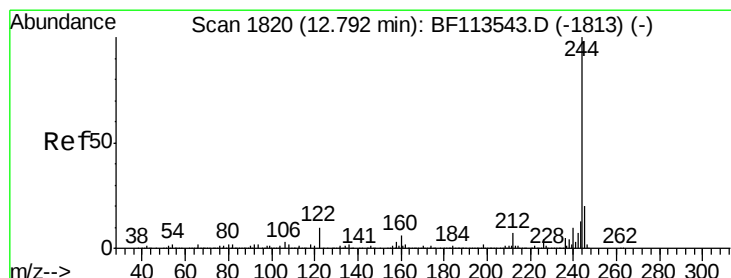
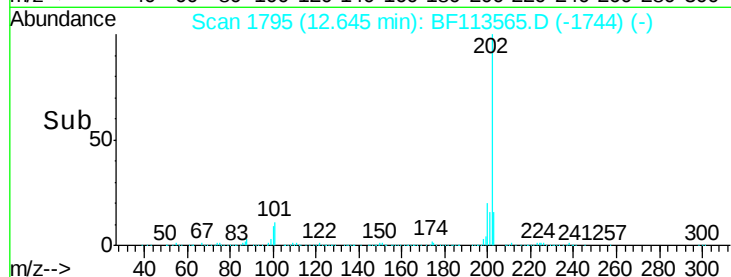
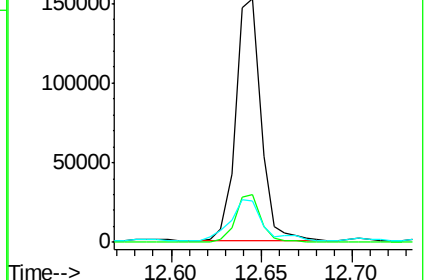
203 17.1 14.4 21.6



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: 34.902 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF113565.D

Acq: 4 Apr 2019 1:48

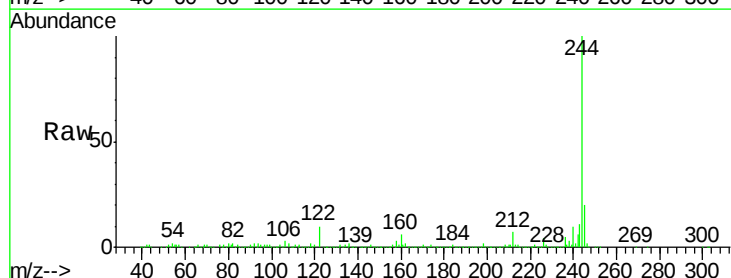
Tgt Ion:244 Resp: 534137

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

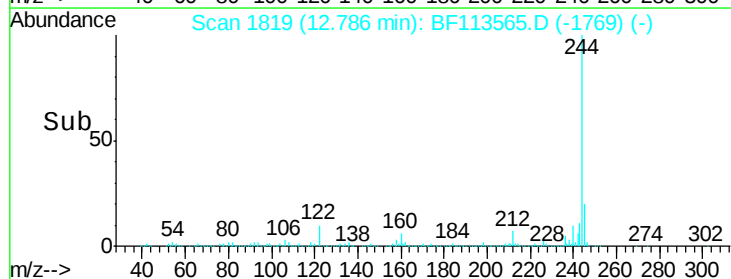
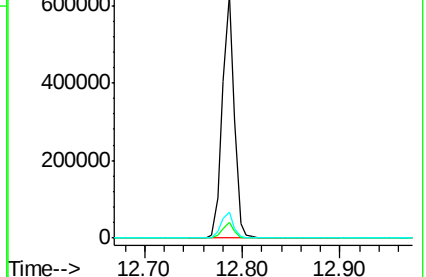
122 10.4 8.6 13.0

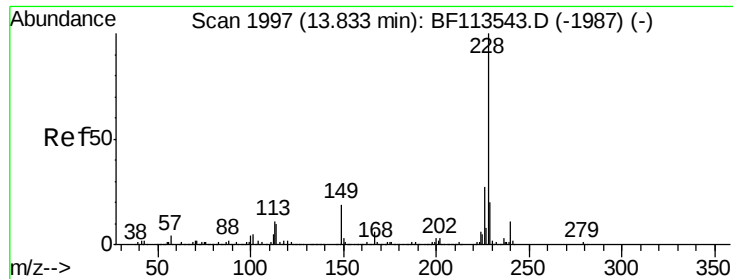


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.053 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113565.D

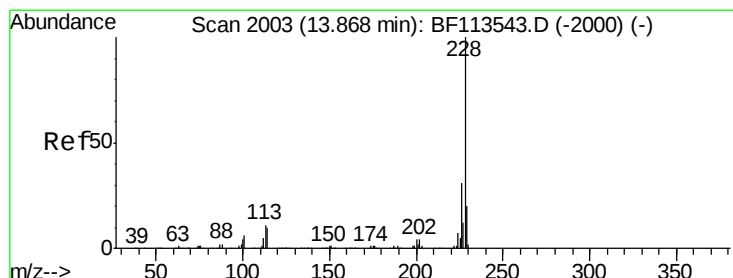
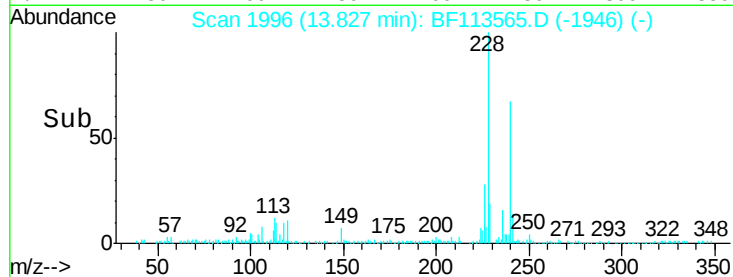
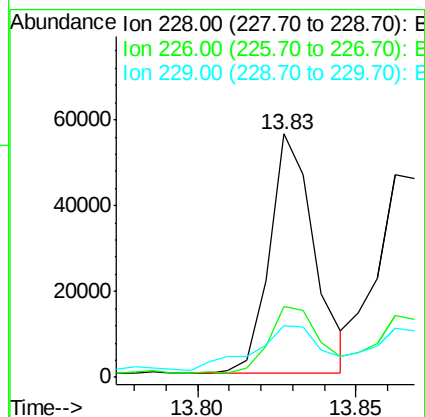
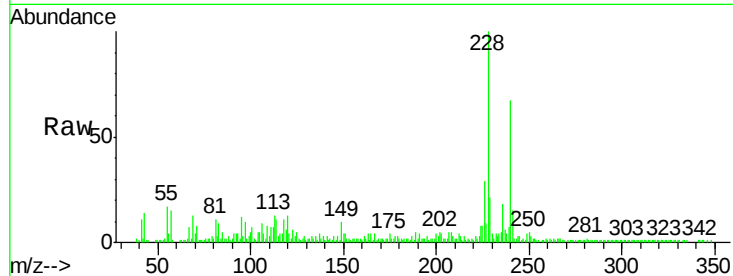
Acq: 4 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	54873
Ion	Ratio	Lower Upper
228	100	
226	29.0	21.8 32.8
229	21.2	16.2 24.4



#83

Chrysene

Concen: 2.983 ng

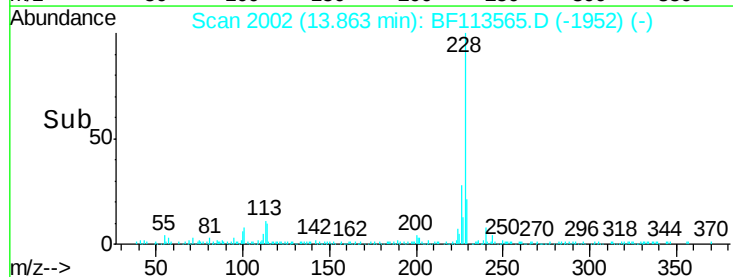
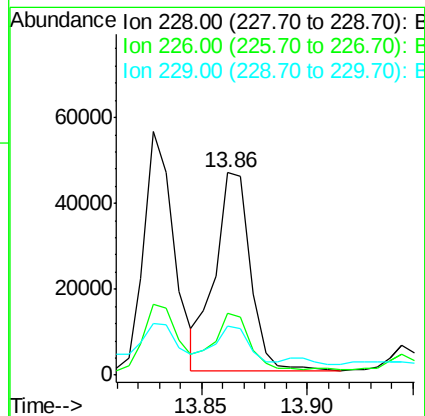
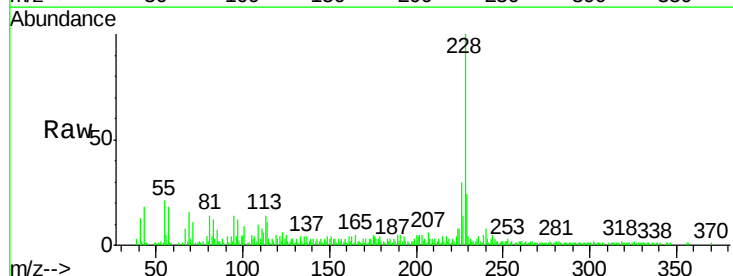
RT: 13.86 min Scan# 2002

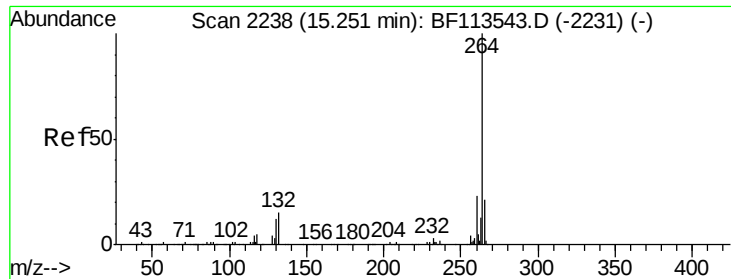
Delta R.T. -0.01 min

Lab File: BF113565.D

Acq: 4 Apr 2019 1:48

Tgt Ion:228	Resp:	54361
Ion	Ratio	Lower Upper
228	100	
226	30.3	24.3 36.5
229	24.5	16.3 24.5

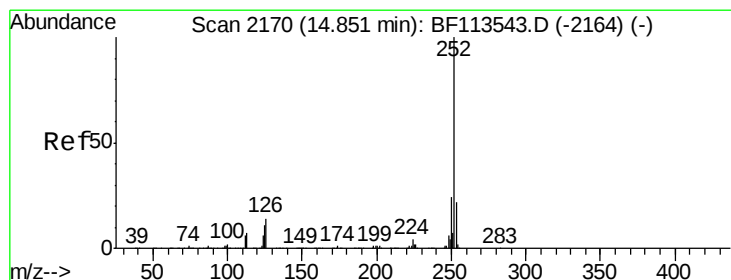
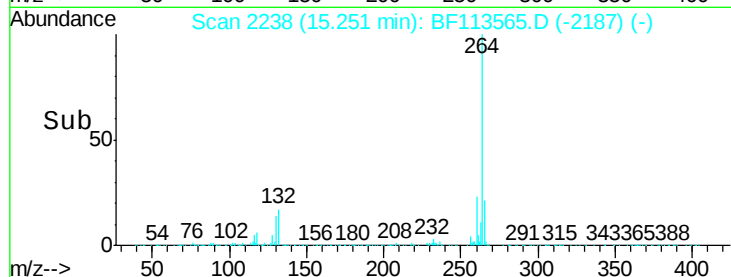
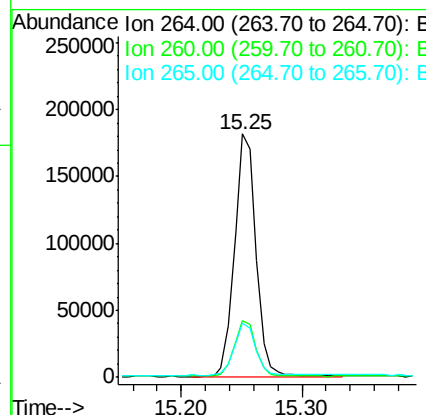
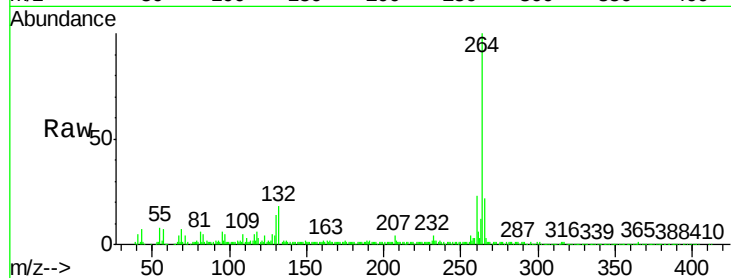




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF113565.D
Acq: 4 Apr 2019 1:48

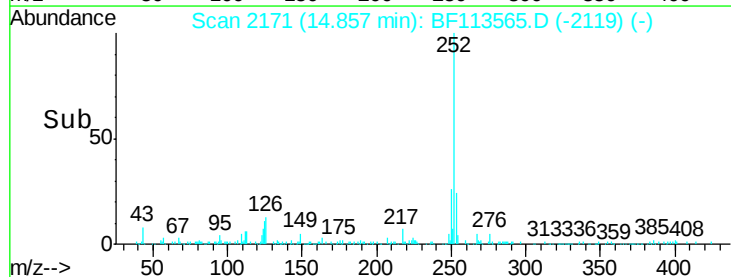
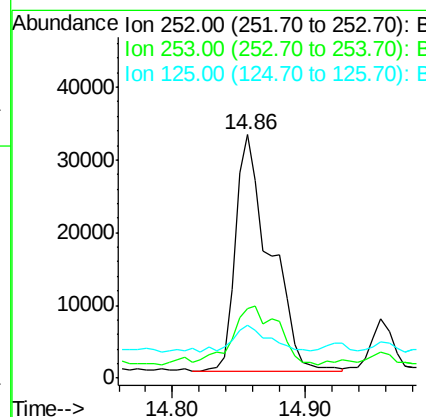
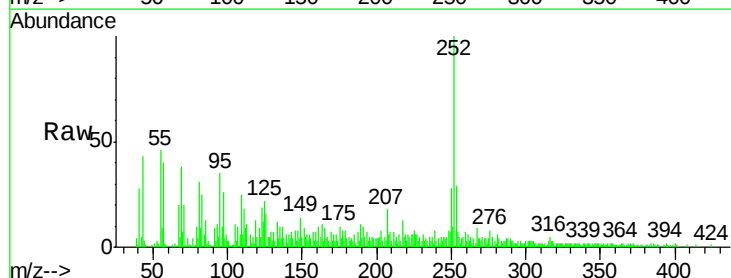
Instrument :
BNA_F
ClientSampleId :

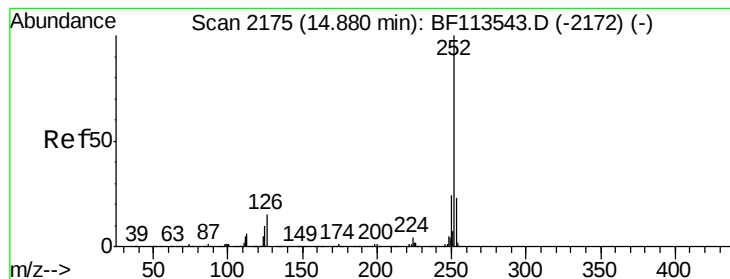
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.1	28.7
265	22.0	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 4.281 ng
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113565.D
Acq: 4 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.0	27.0#
125	21.7	7.6	11.4#





#89

Benzo(k)fluoranthene

Concen: 4.770 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF113565.D

Acq: 4 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

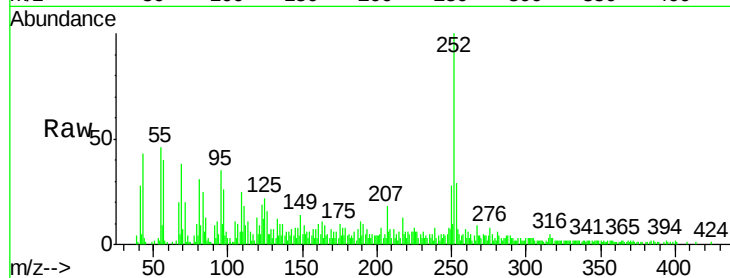
Tot Ion:252 Resp: 58727

Ion Ratio Lower Upper

252 100

253 28.7 17.7 26.5#

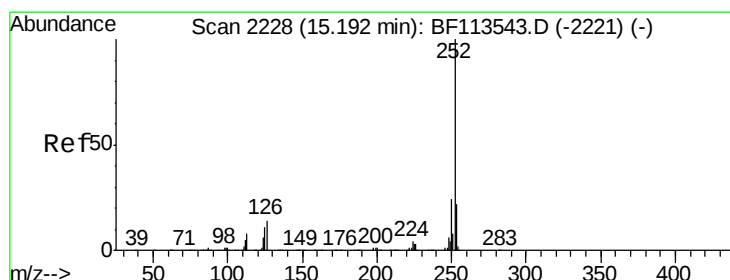
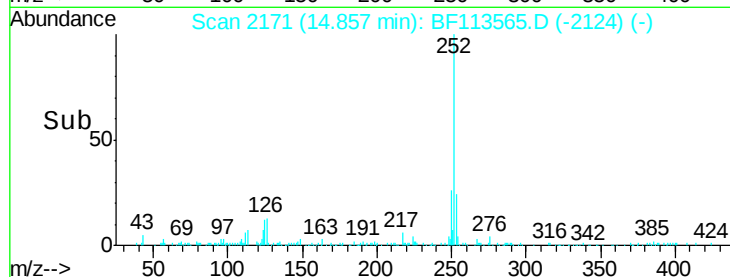
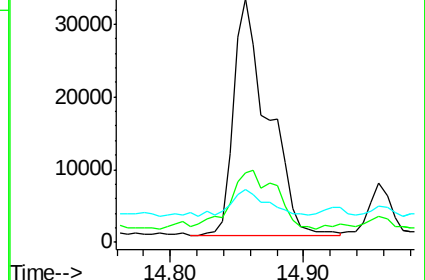
125 21.7 7.3 10.9#



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



#90

Benzo(a)pyrene

Concen: 2.704 ng

RT: 15.20 min Scan# 2229

Delta R.T. 0.01 min

Lab File: BF113565.D

Acq: 4 Apr 2019 1:48

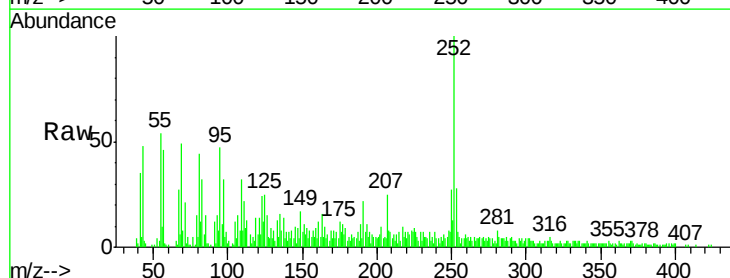
Tgt Ion:252 Resp: 32966

Ion Ratio Lower Upper

252 100

253 28.0 17.9 26.9#

125 25.1 8.8 13.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

