

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041219\
 Data File : BF113756.D
 Acq On : 12 Apr 2019 23:51
 Operator : JU/SJ
 Sample : K2376-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 01:19:36 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	6.67	152	107754	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	393055	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	170414	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	300834	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	303843	20.00	ng	-0.02
87) Perylene-d12	15.23	264	295493	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	587463	92.97	ng	-0.01
7) Phenol-d6	6.33	99	790572	101.51	ng	-0.01
23) Nitrobenzene-d5	7.24	82	458229	68.29	ng	-0.02
42) 2,4,6-Tribromophenol	10.49	330	176629	86.28	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	767979	72.55	ng	-0.02
79) Terphenyl-d14	12.76	244	687725	46.08	ng	-0.03

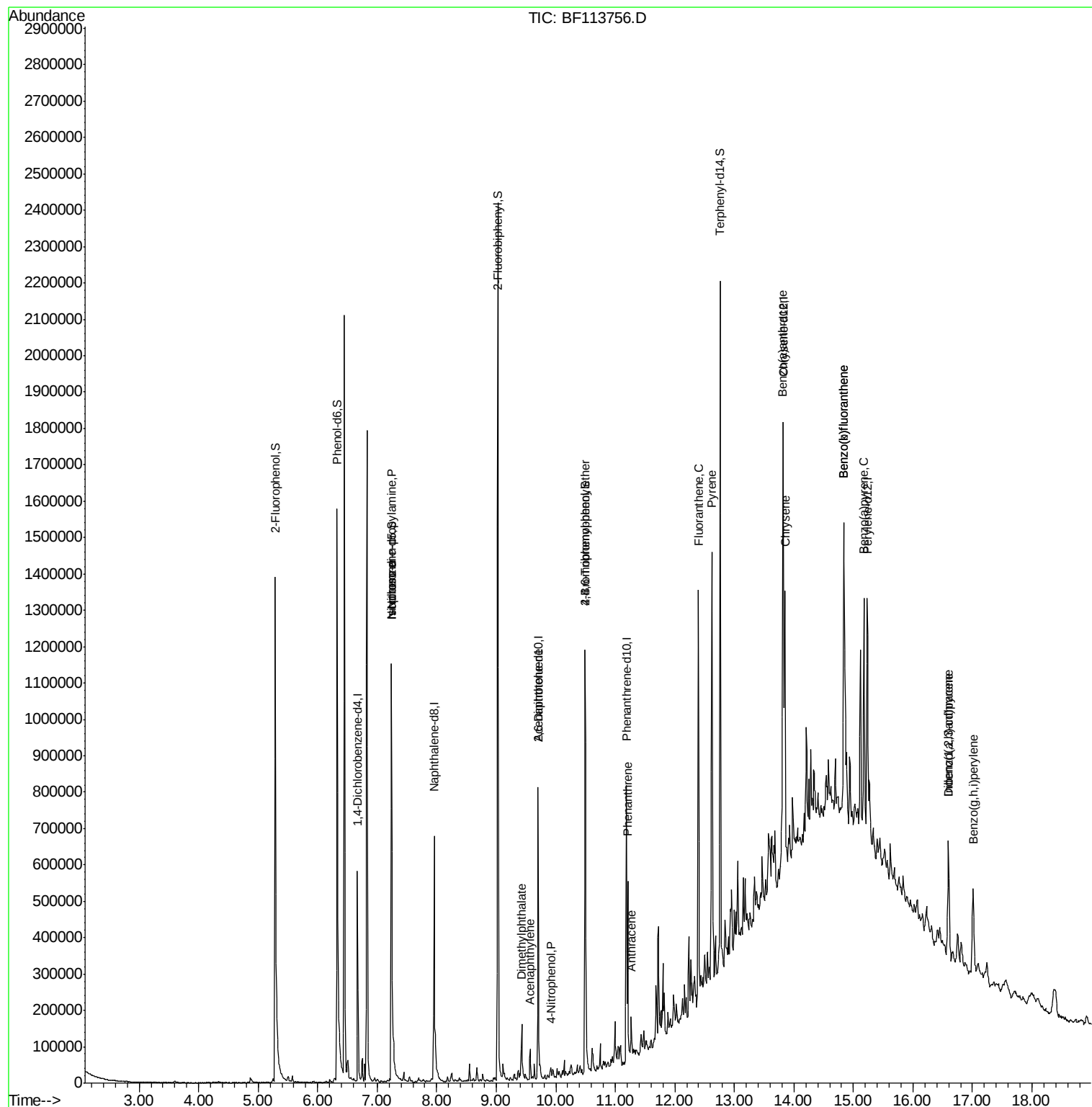
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.24	70	59515	12.392	ng	# 76
25) Isophorone	7.24	82	458226	35.449	ng	# 64
49) Acenaphthylene	9.57	152	36944	2.134	ng	99
50) Dimethylphthalate	9.43	163	65591	5.221	ng	98
51) 2,6-Dinitrotoluene	9.70	165	22301	8.054	ng	# 27
56) 4-Nitrophenol	9.92	139	4324	2.214	ng	# 19
67) 4-Bromophenyl-phenylether	10.49	248	10185	3.019	ng	# 1
71) Phenanthrene	11.21	178	197298	13.198	ng	98
72) Anthracene	11.26	178	60929	4.006	ng	96
75) Fluoranthene	12.40	202	483121	30.160	ng	98
78) Pyrene	12.62	202	526809	22.787	ng	99
81) Benzo(a)anthracene	13.81	228	348213	19.867	ng	96
83) Chrysene	13.85	228	336628	18.946	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	207410	12.643	ng	93
88) Benzo(b)fluoranthene	14.84	252	610369	33.745	ng	# 97
89) Benzo(k)fluoranthene	14.84	252	610369	37.600	ng	# 96
90) Benzo(a)pyrene	15.18	252	346649	21.567	ng	100
91) Dibenzo(a,h)anthracene	16.60	278	48069	3.198	ng	# 84
92) Benzo(a,h,i)perylene	17.01	276	201787	13.153	ng	98

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041219\
Data File : BF113756.D
Acq On : 12 Apr 2019 23:51
Operator : JU/SJ
Sample : K2376-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 13 01:19:36 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



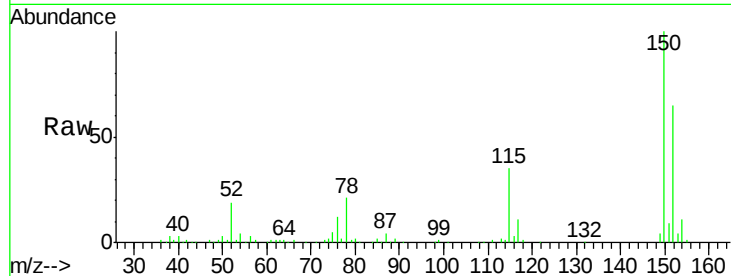


#1

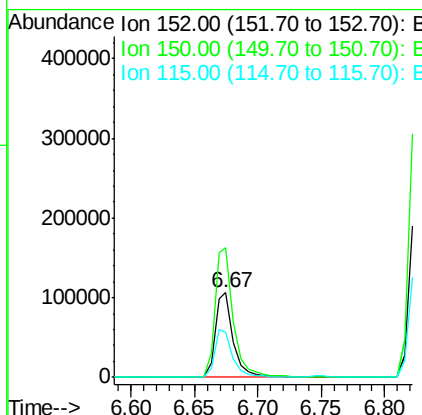
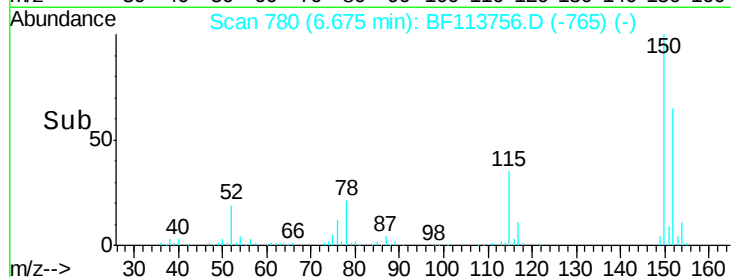
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113756.D
Acq: 12 Apr 2019 23:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 107754
Ion Ratio Lower Upper
152 100
150 153.7 124.7 187.1
115 53.5 46.0 69.0



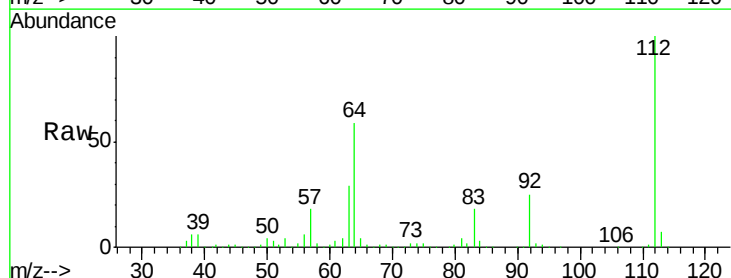
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



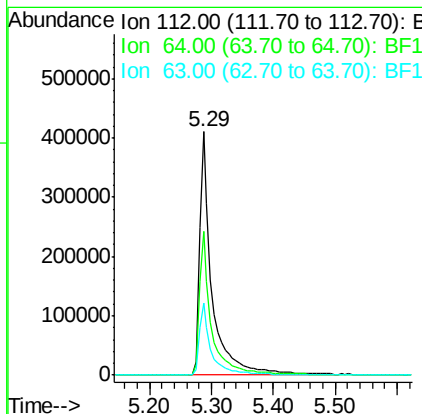
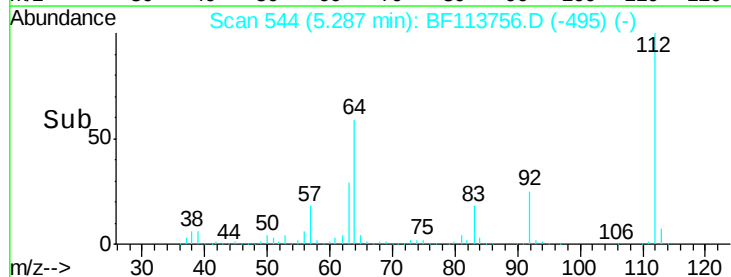
#5

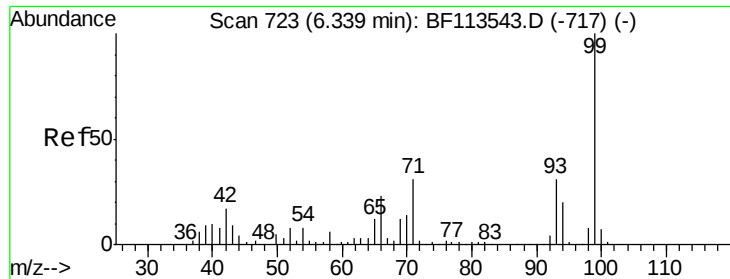
2-Fluorophenol
Concen: 92.967 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF113756.D
Acq: 12 Apr 2019 23:51

Tgt Ion:112 Resp: 587463
Ion Ratio Lower Upper
112 100
64 59.1 49.2 73.8
63 29.5 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: 101.508 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

Instrument :

BNA_F

ClientSampleId :

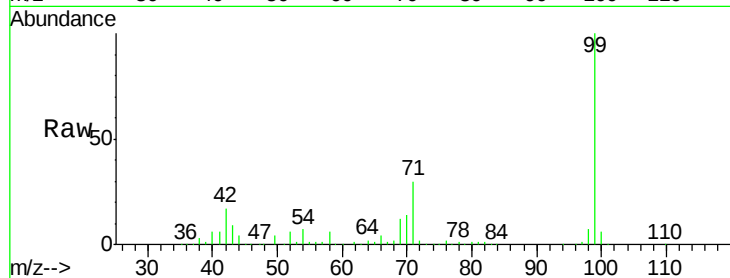
Tot Ion: 99 Resp: 790572

Ion Ratio Lower Upper

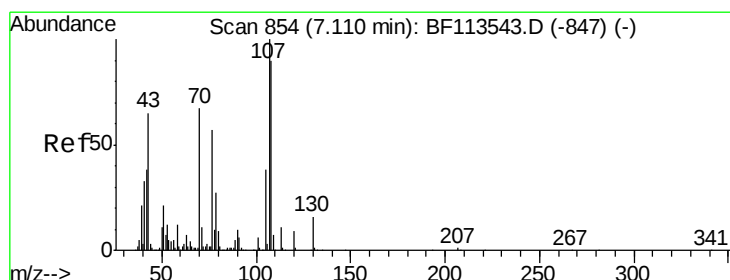
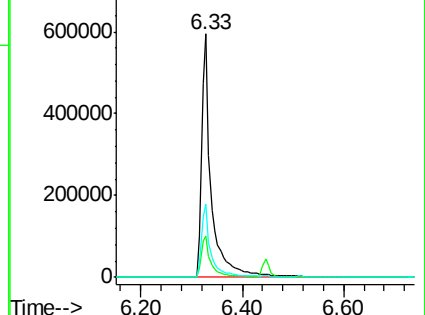
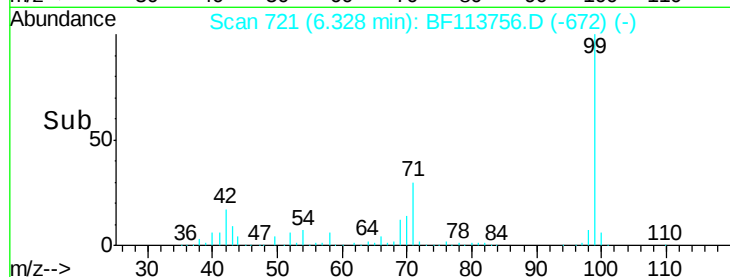
99 100

42 17.3 14.8 22.2

71 30.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 12.392 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

Tgt Ion: 70 Resp: 59515

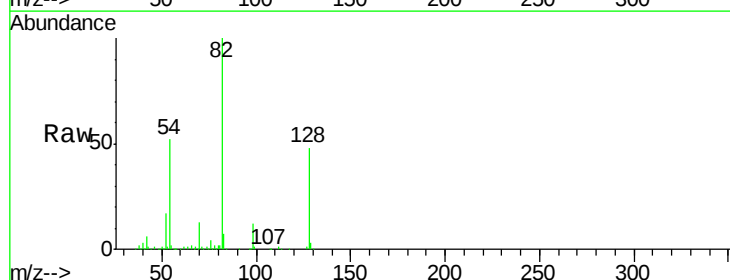
Ion Ratio Lower Upper

70 100

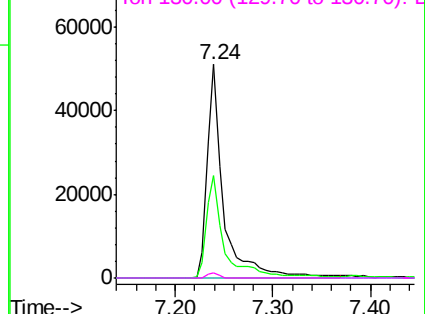
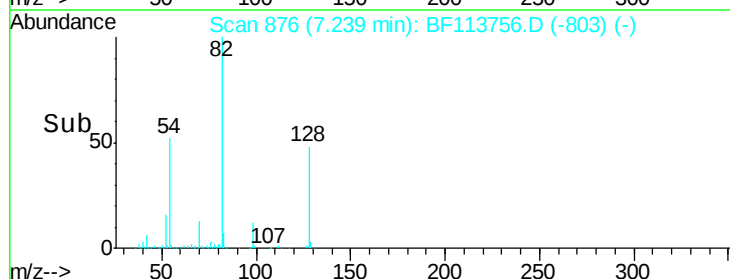
42 47.7 48.4 72.6#

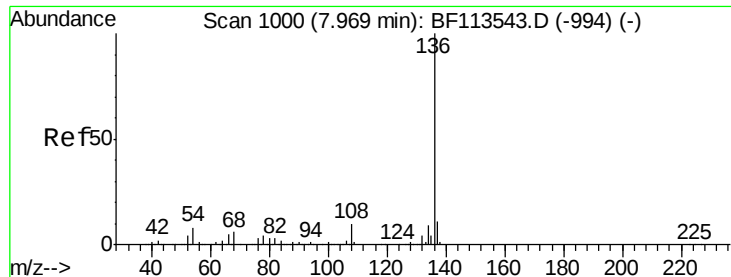
101 0.0 7.8 11.8#

130 2.3 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: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 393055

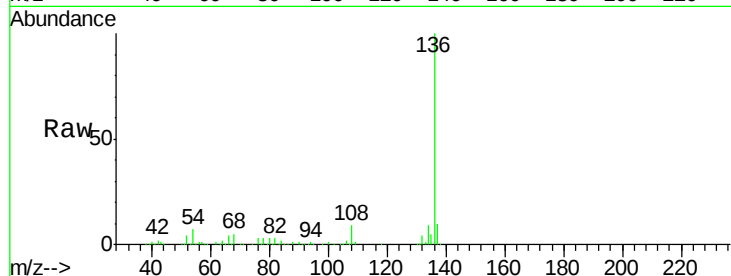
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.0 7.0 10.6#

68 5.3 4.8 7.2

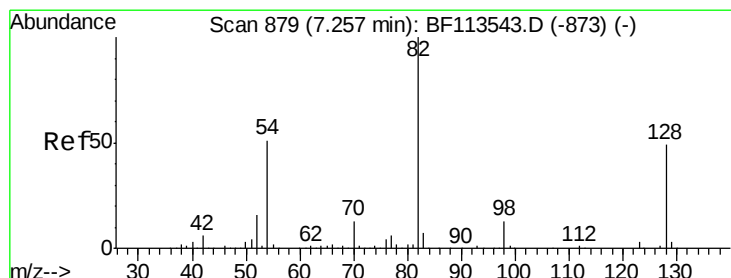
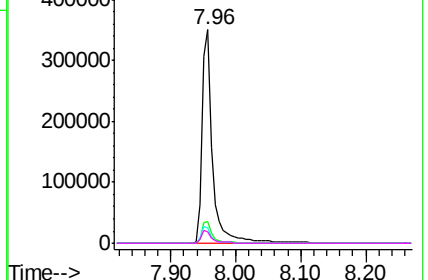
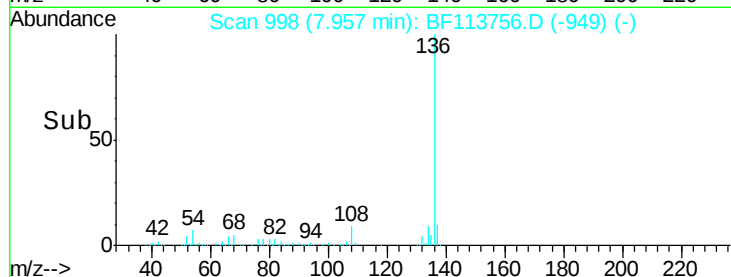


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.288 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

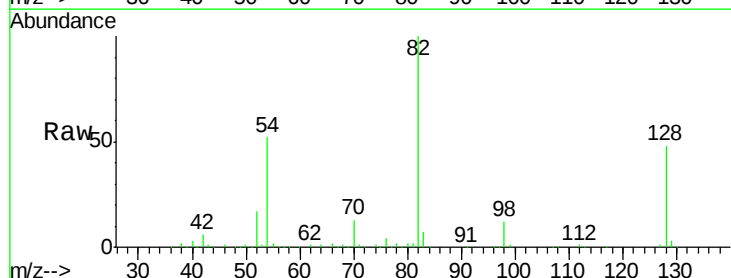
Tgt Ion: 82 Resp: 458229

Ion Ratio Lower Upper

82 100

128 47.9 36.5 54.7

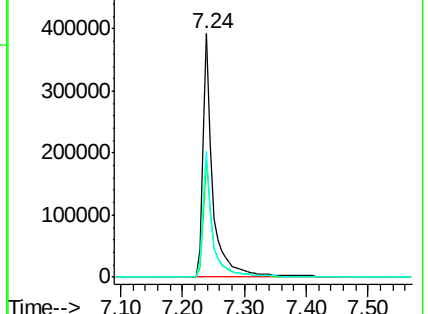
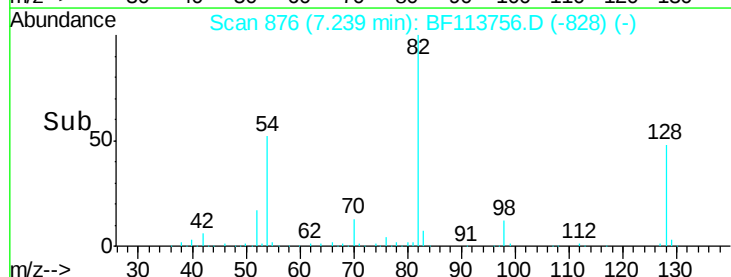
54 51.7 42.2 63.2

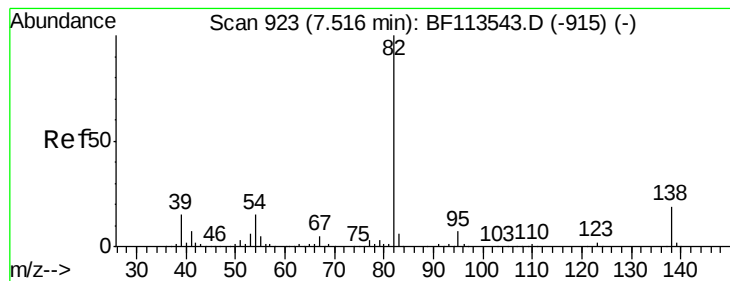


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.449 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

Instrument :

BNA_F

ClientSampled :

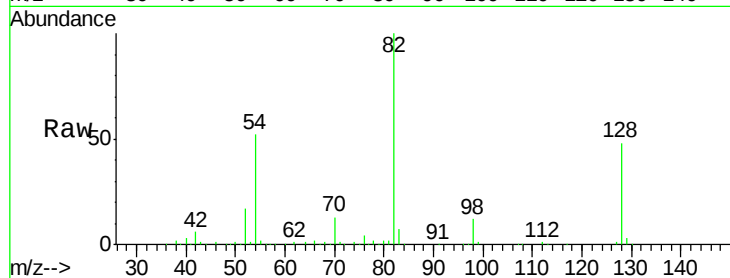
Tot Ion: 82 Resp: 458226

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

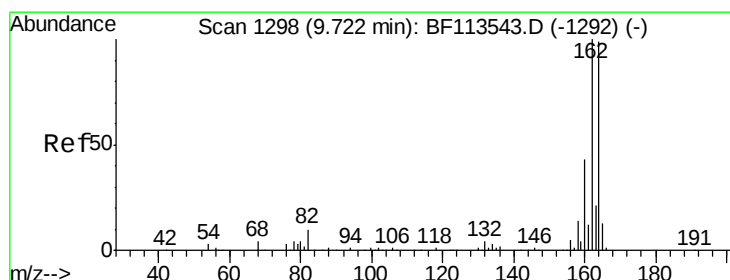
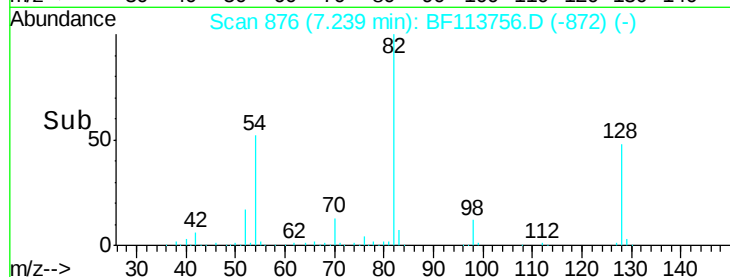
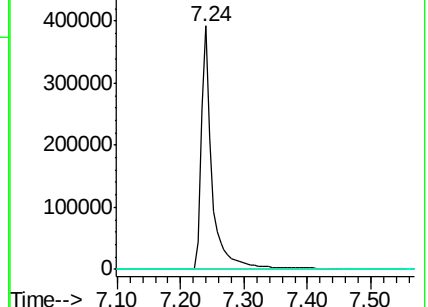
138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

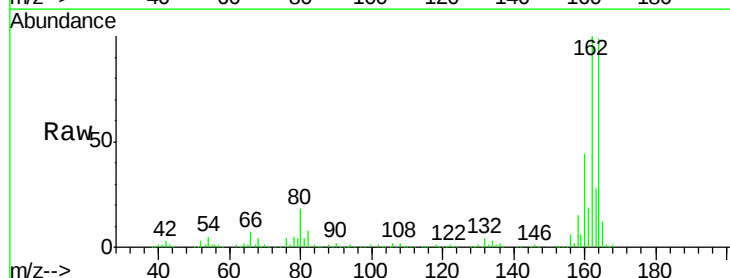
Tgt Ion: 164 Resp: 170414

Ion Ratio Lower Upper

164 100

162 101.5 81.8 122.6

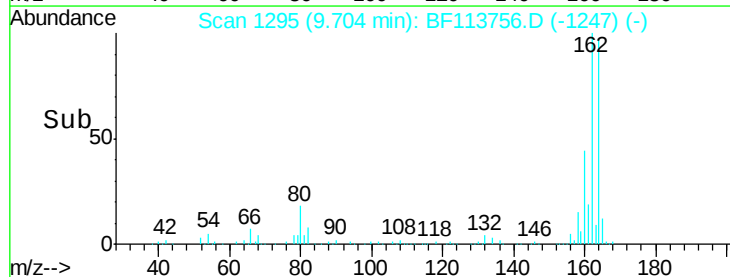
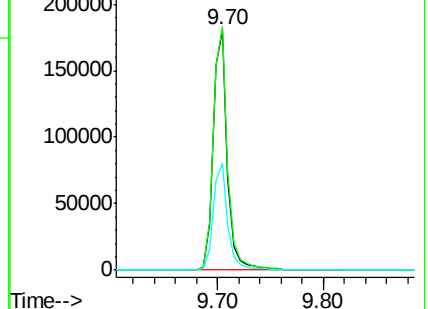
160 44.4 36.4 54.6

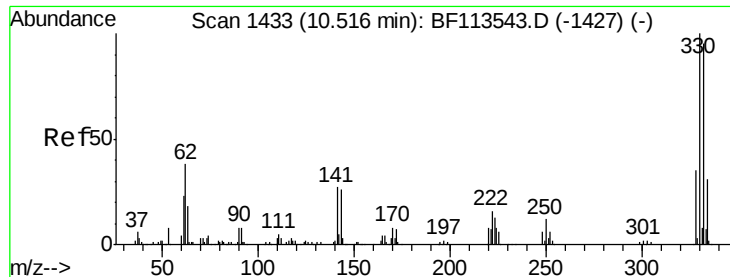


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

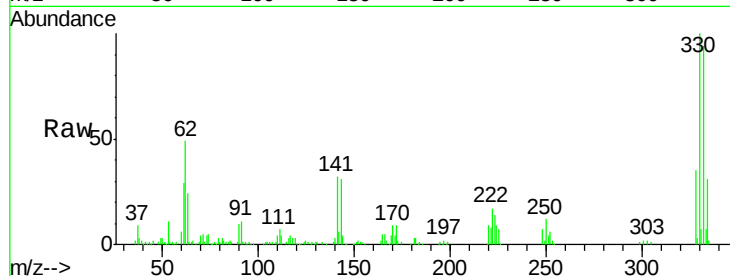




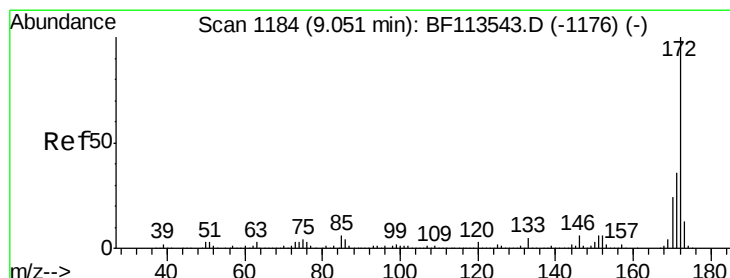
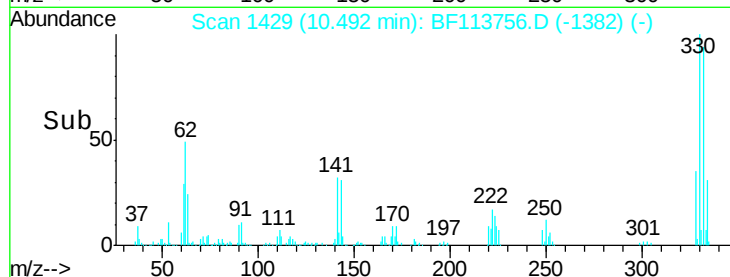
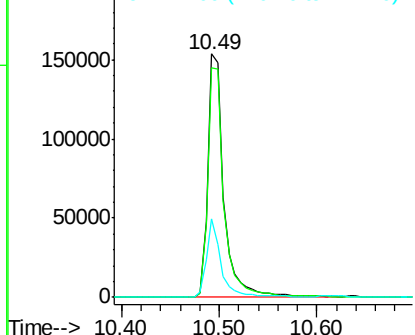
#42
 2,4,6-Tribromophenol
 Concen: 86.283 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.02 min
 Lab File: BF113756.D
 Acq: 12 Apr 2019 23:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 176629
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.8 116.6
 141 29.7 22.7 34.1

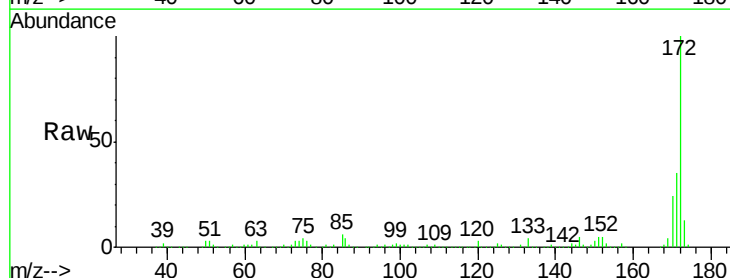


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

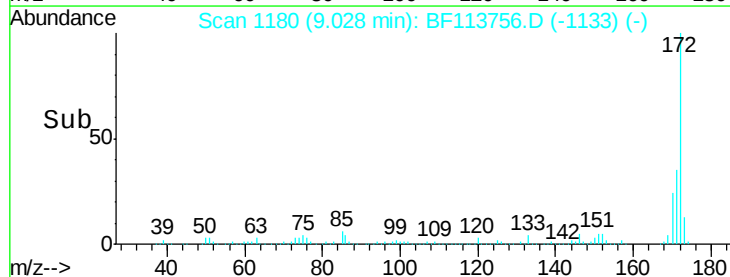
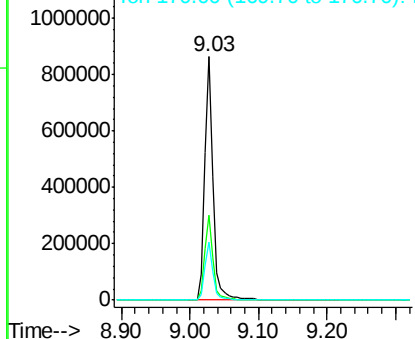


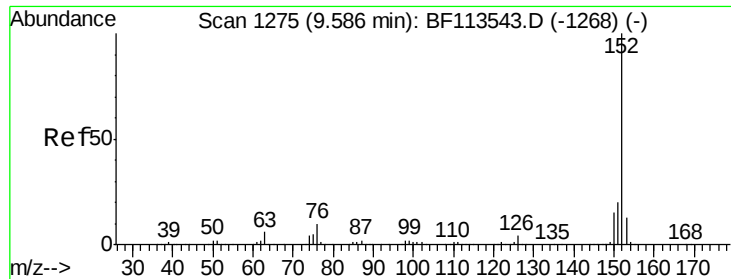
#45
 2-Fluorobiphenyl
 Concen: 72.551 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113756.D
 Acq: 12 Apr 2019 23:51

Tgt Ion:172 Resp: 767979
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.0 43.6
 170 23.7 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.134 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

Instrument :

BNA_F

ClientSampleId :

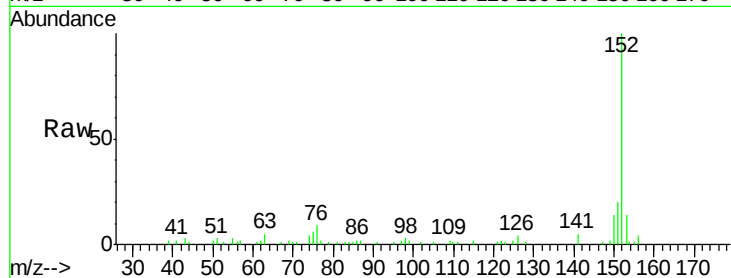
Tot Ion:152 Resp: 36944

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.4

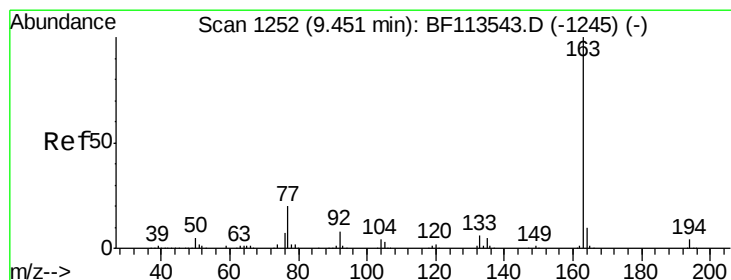
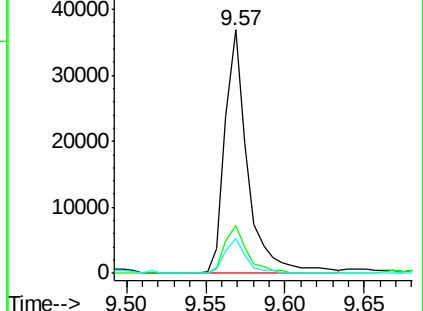
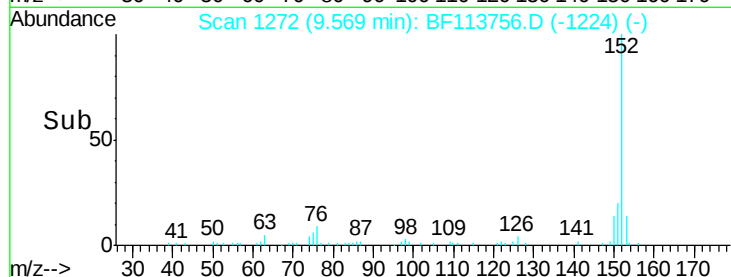
153 14.1 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.221 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

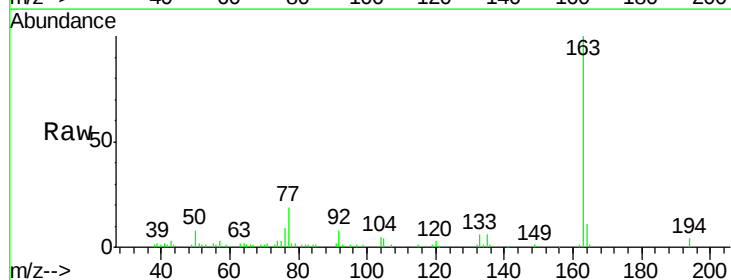
Tgt Ion:163 Resp: 65591

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

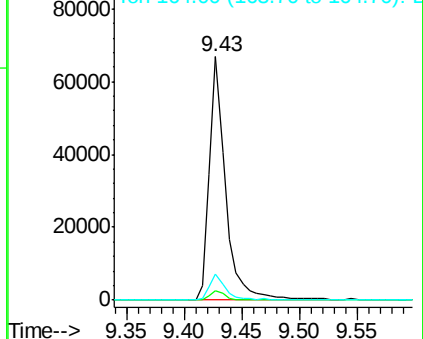
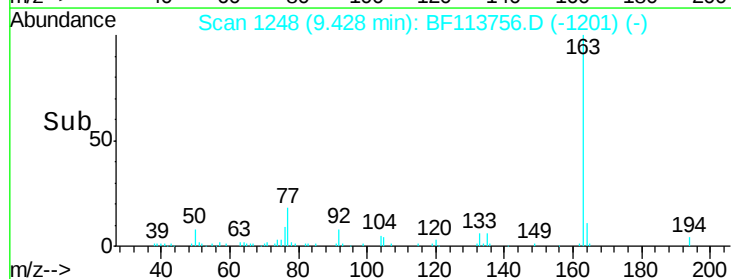
164 10.9 8.1 12.1

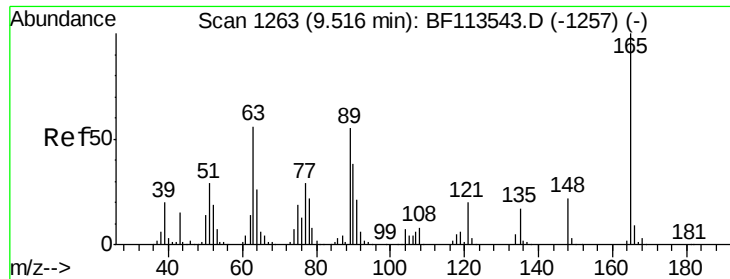


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

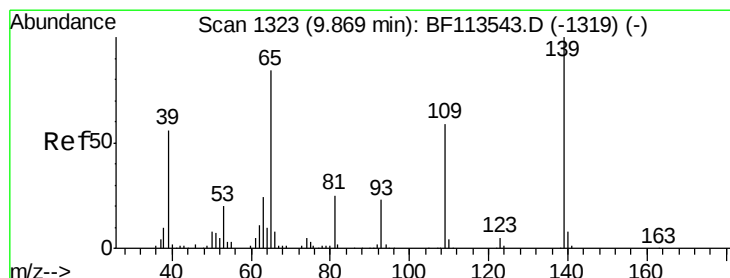
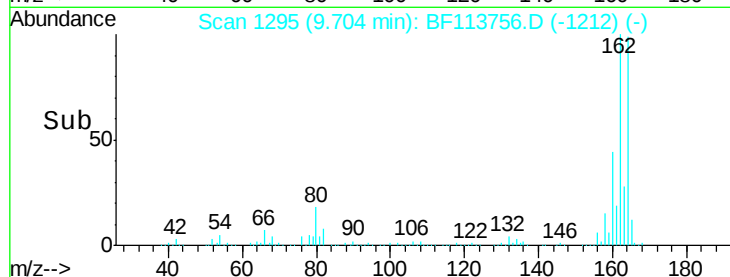
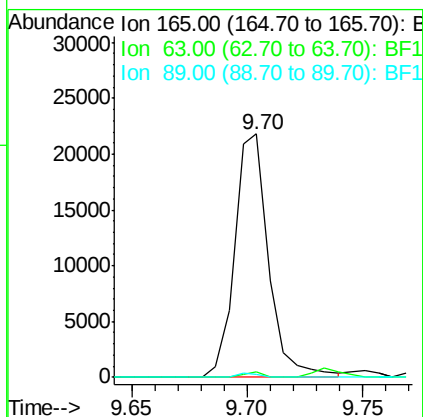
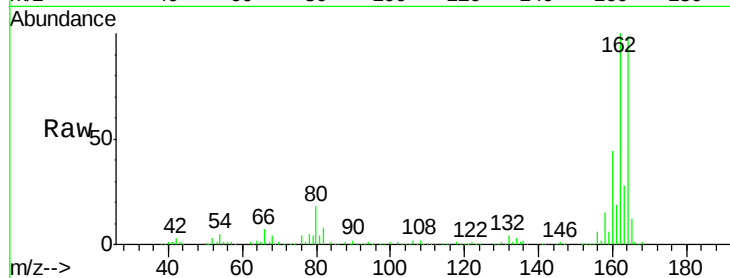




#51
 2,6-Dinitrotoluene
 Concen: 8.054 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. 0.19 min
 Lab File: BF113756.D
 Acq: 12 Apr 2019 23:51

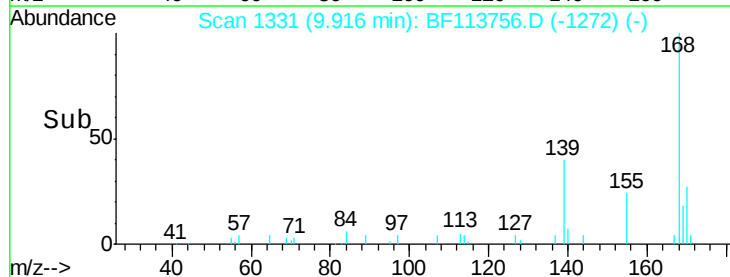
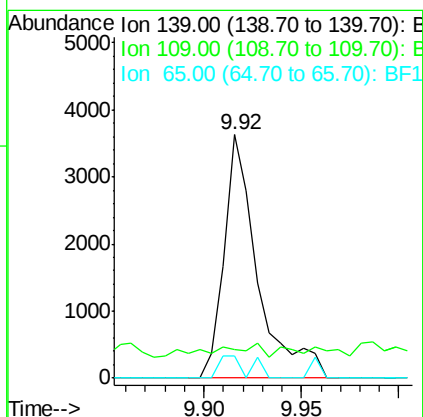
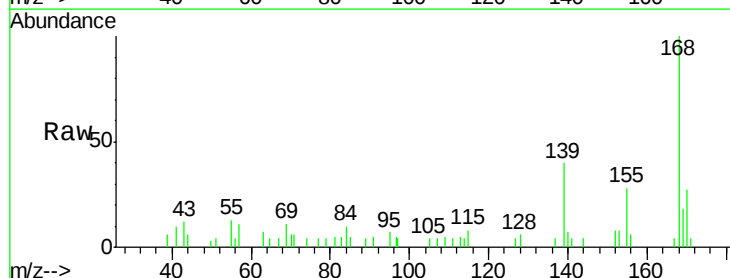
Instrument :
 BNA_F
 ClientSampleId :

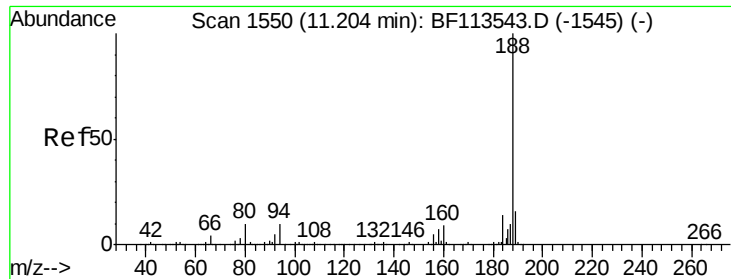
Tot Ion:165 Resp: 22301
 Ion Ratio Lower Upper
 165 100
 63 2.4 43.4 65.0#
 89 1.4 43.1 64.7#



#56
 4-Nitrophenol
 Concen: 2.214 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.05 min
 Lab File: BF113756.D
 Acq: 12 Apr 2019 23:51

Tgt Ion:139 Resp: 4324
 Ion Ratio Lower Upper
 139 100
 109 11.7 46.9 86.9#
 65 8.9 77.2 117.2#

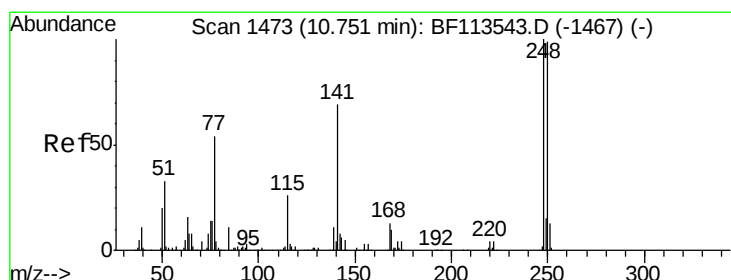
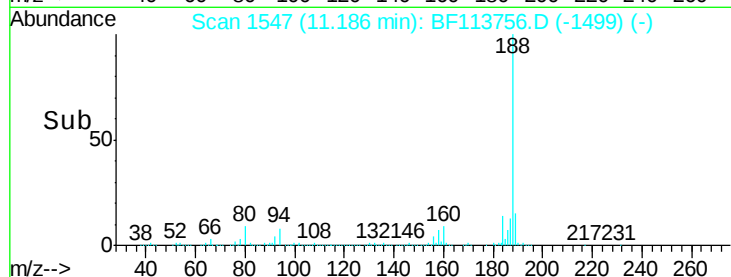
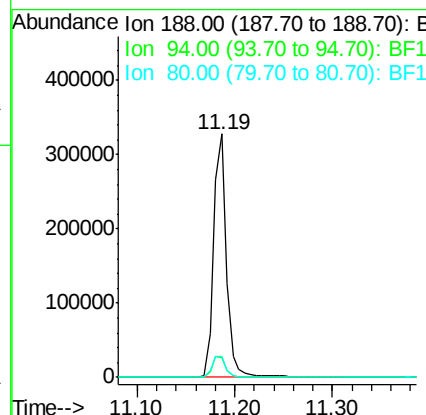
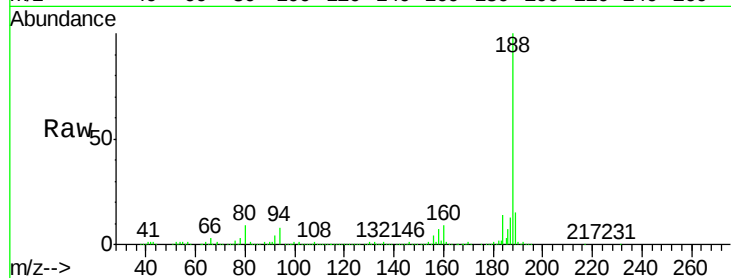




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113756.D
Acq: 12 Apr 2019 23:51

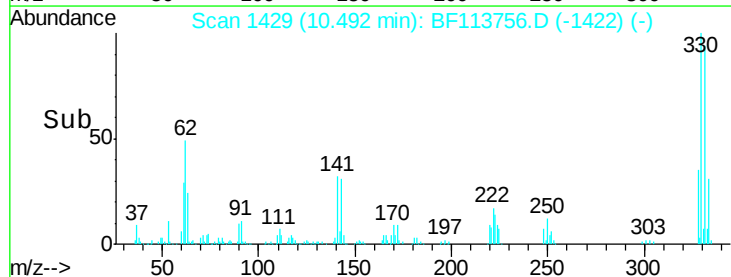
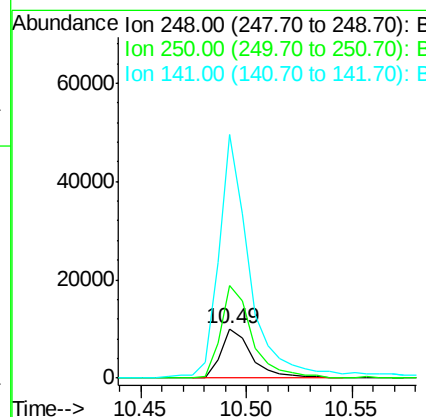
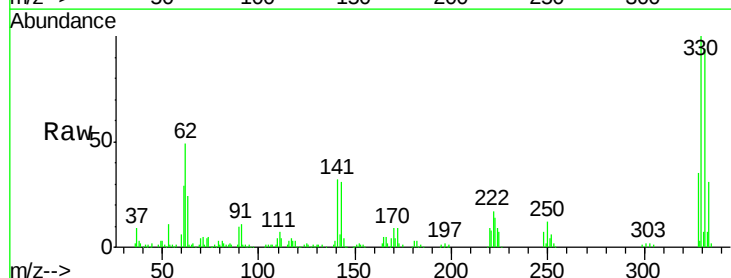
Instrument :
BNA_F
ClientSampleId :

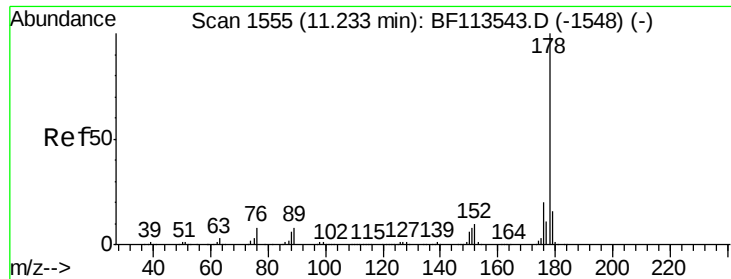
Tot Ion:188 Resp: 300834
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.6
80 8.6 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 3.019 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.26 min
Lab File: BF113756.D
Acq: 12 Apr 2019 23:51

Tgt Ion:248 Resp: 10185
Ion Ratio Lower Upper
248 100
250 186.1 78.3 117.5#
141 491.2 56.2 84.4#

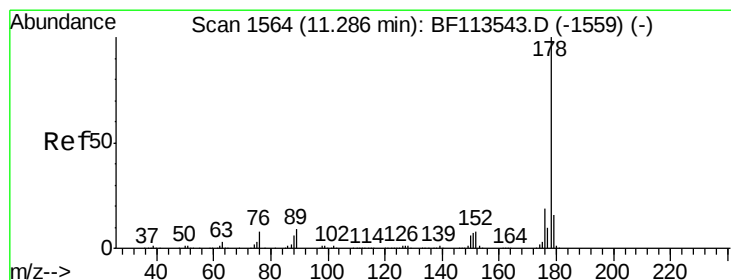
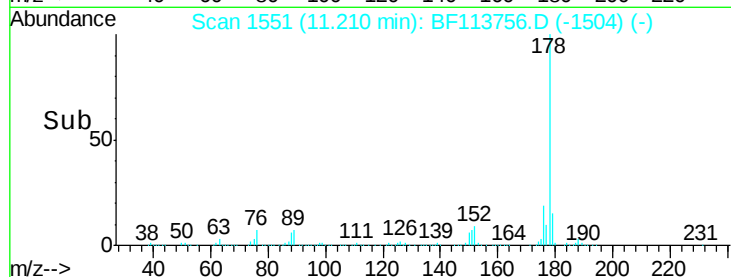
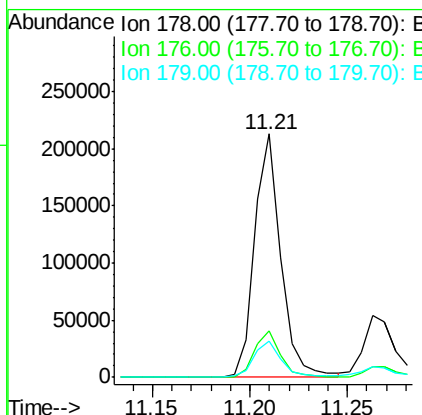
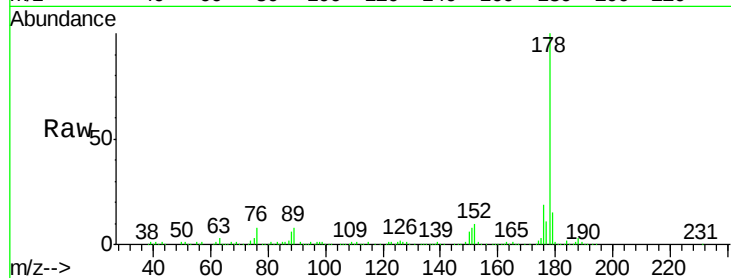




#71
 Phenanthrene
 Concen: 13.198 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF113756.D
 Acq: 12 Apr 2019 23:51

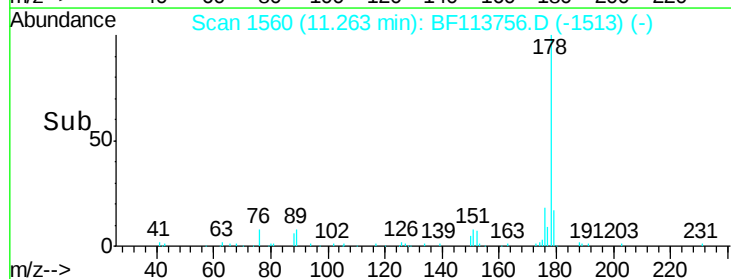
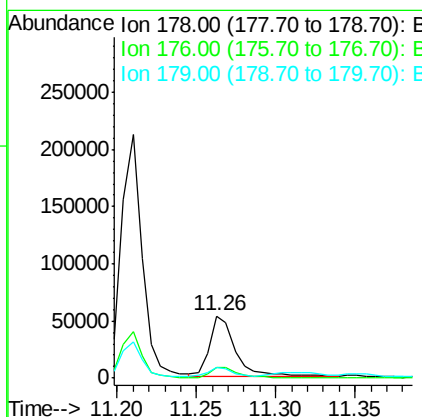
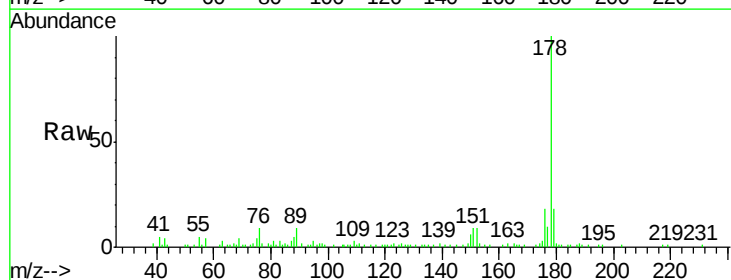
Instrument :
 BNA_F
 ClientSampleId :

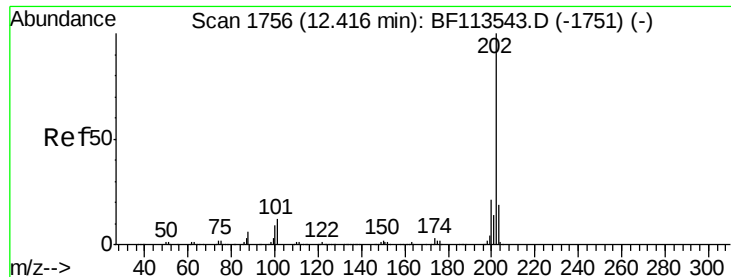
Tot Ion:178 Resp: 197298
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.2
 179 15.1 12.7 19.1



#72
 Anthracene
 Concen: 4.006 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.02 min
 Lab File: BF113756.D
 Acq: 12 Apr 2019 23:51

Tgt Ion:178 Resp: 60929
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 18.0 12.8 19.2





#75

Fluoranthene

Concen: 30.160 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

Instrument :

BNA_F

ClientSampleId :

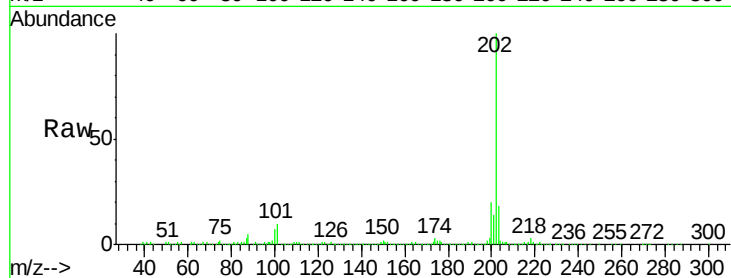
Tot Ion:202 Resp: 483121

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.4

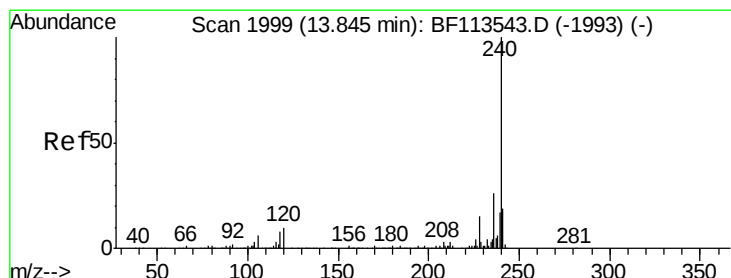
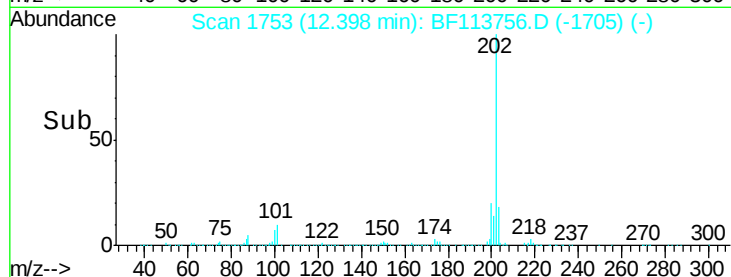
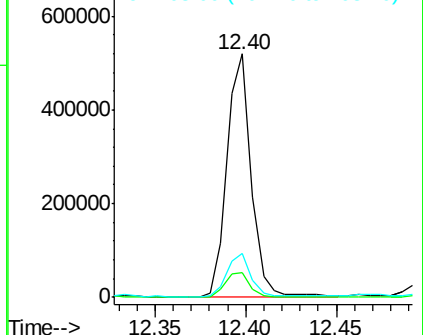
203 17.8 0.0 38.0



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: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

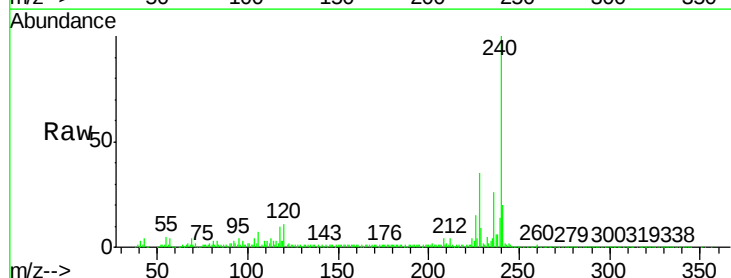
Tgt Ion:240 Resp: 303843

Ion Ratio Lower Upper

240 100

120 11.0 8.8 13.2

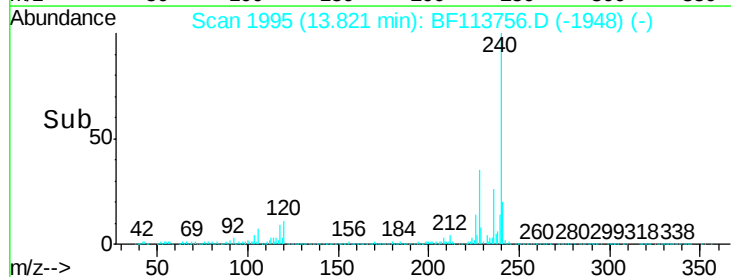
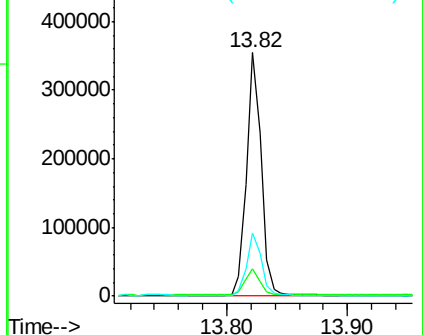
236 25.7 20.9 31.3

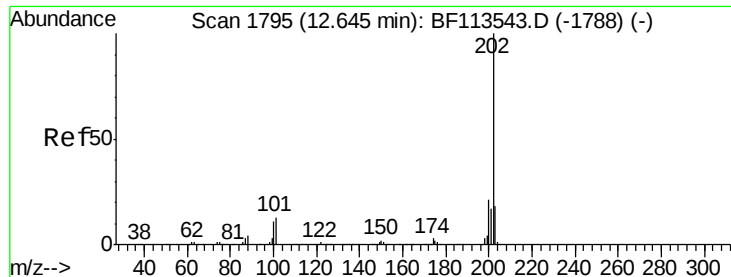


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 22.787 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.02 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

Instrument :

BNA_F

ClientSampleId :

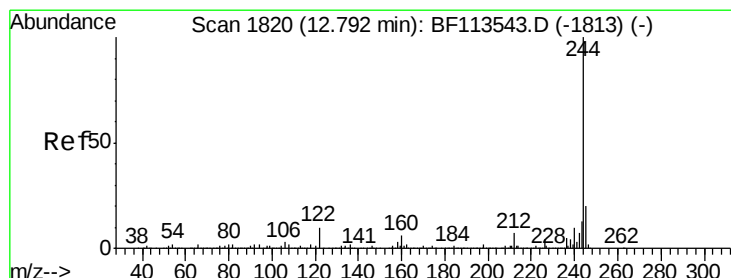
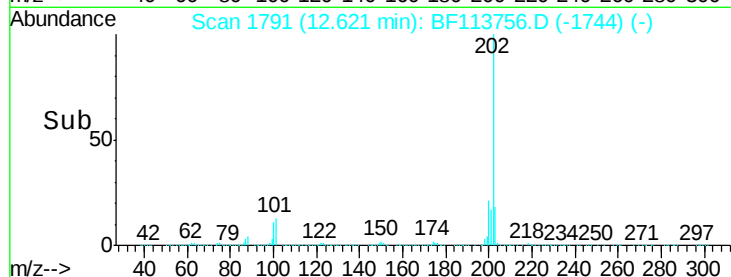
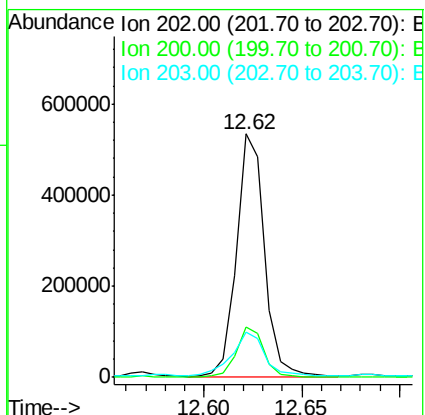
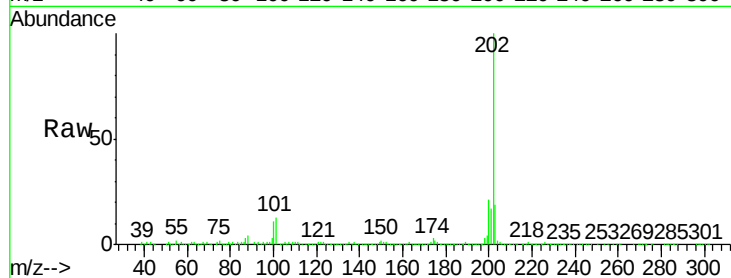
Tot Ion:202 Resp: 526809

Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

203 18.5 14.4 21.6



#79

Terphenyl-d14

Concen: 46.084 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

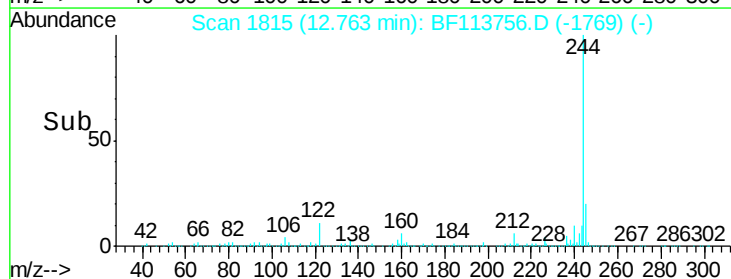
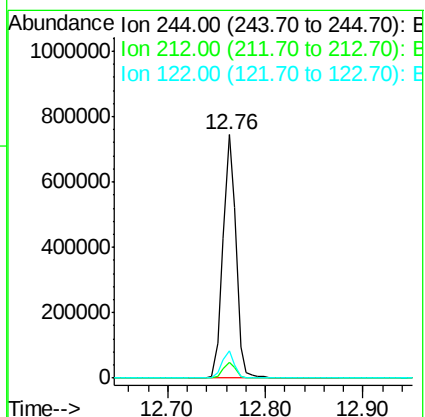
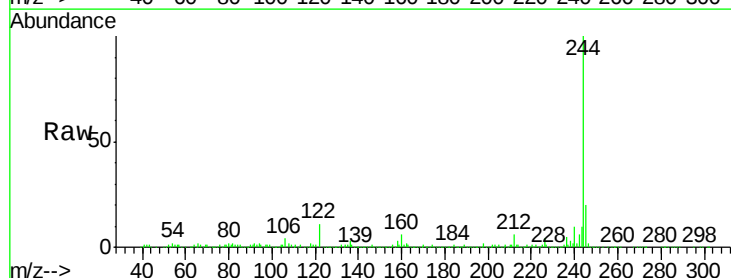
Tgt Ion:244 Resp: 687725

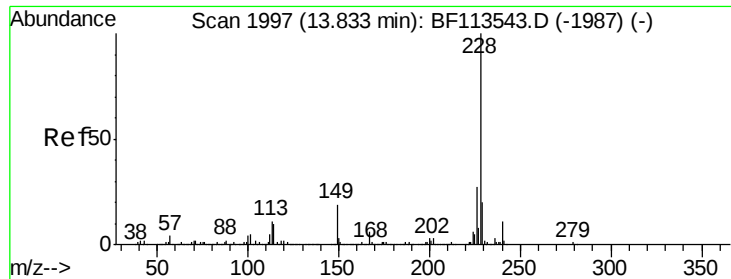
Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

122 11.0 8.6 13.0

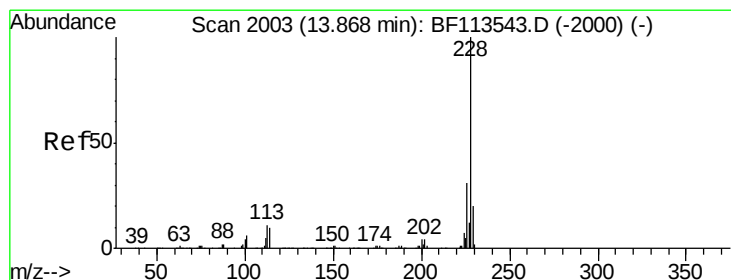
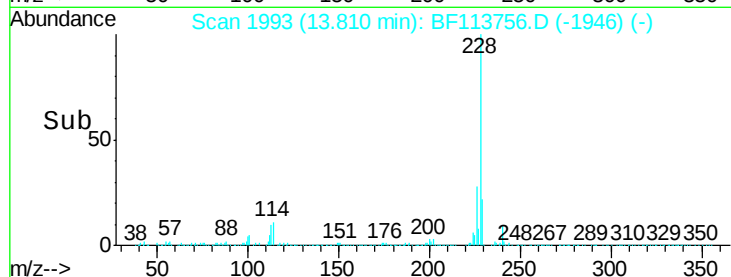
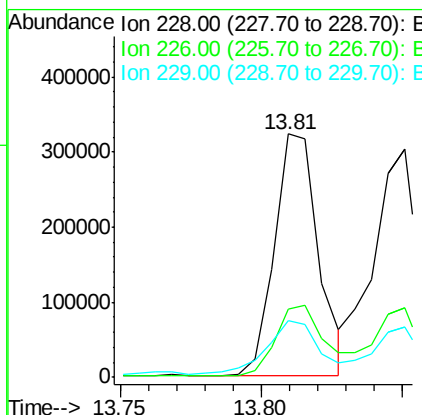
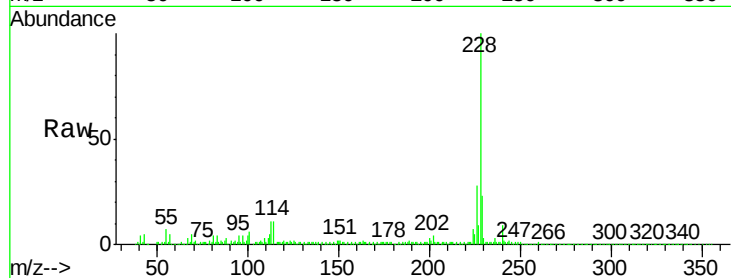




#81
Benzo(a)anthracene
Concen: 19.867 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF113756.D
Acq: 12 Apr 2019 23:51

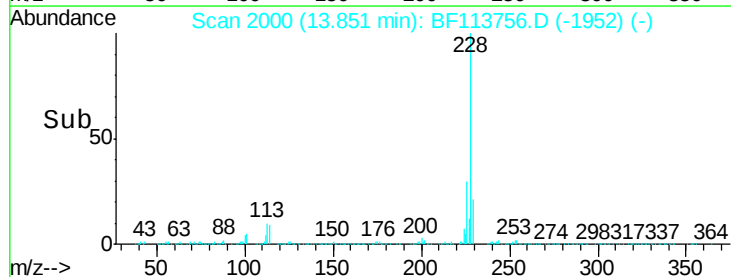
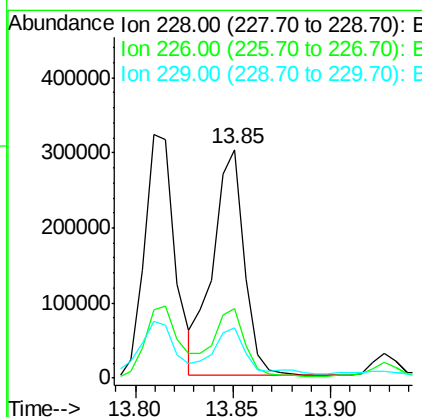
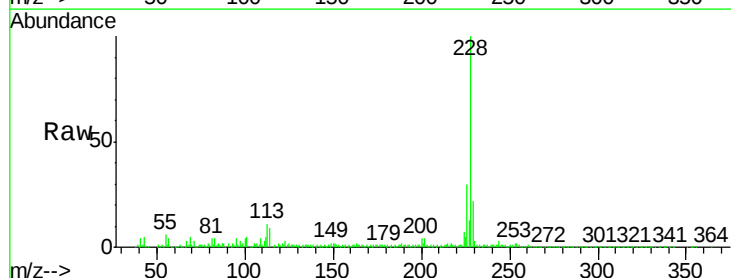
Instrument :
BNA_F
ClientSampleId :

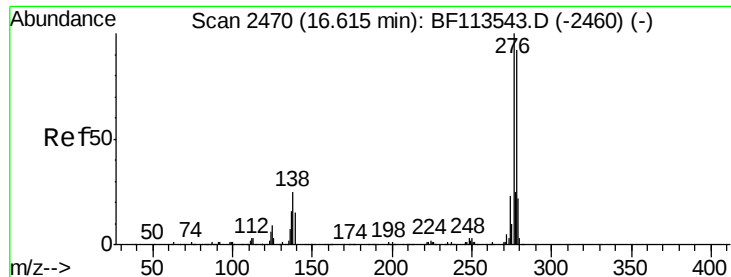
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	23.4	16.2	24.4



#83
Chrysene
Concen: 18.946 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113756.D
Acq: 12 Apr 2019 23:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	22.1	16.3	24.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 12.643 ng

RT: 16.60 min Scan# 2467

Delta R.T. -0.02 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

Instrument :

BNA_F

ClientSampled :

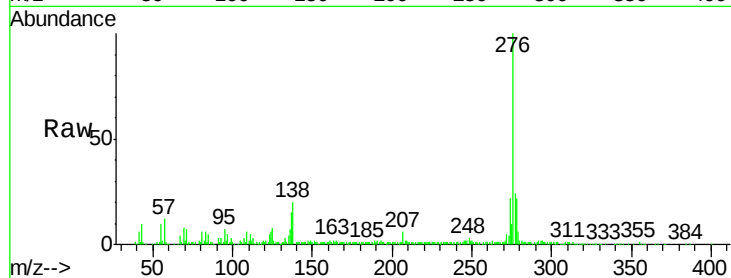
Tot Ion:276 Resp: 207410

Ion Ratio Lower Upper

276 100

138 19.0 18.1 27.1

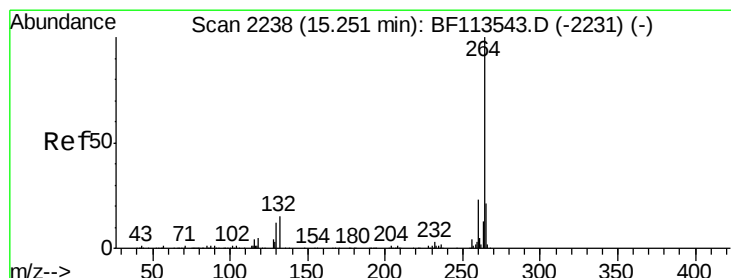
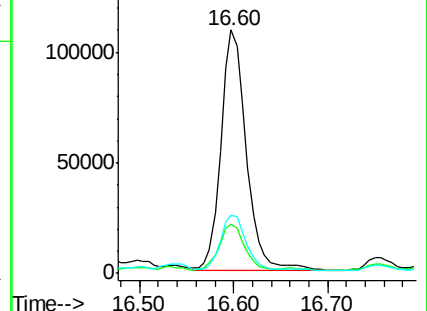
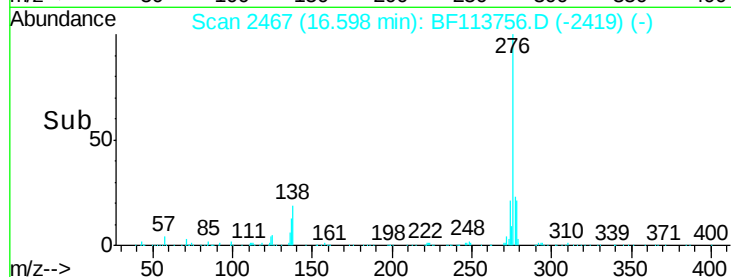
277 22.0 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113756.D

Acq: 12 Apr 2019 23:51

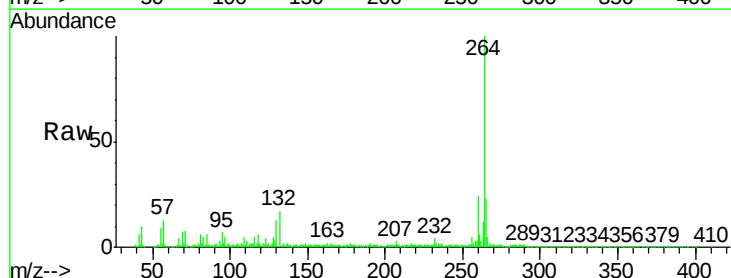
Tgt Ion:264 Resp: 295493

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

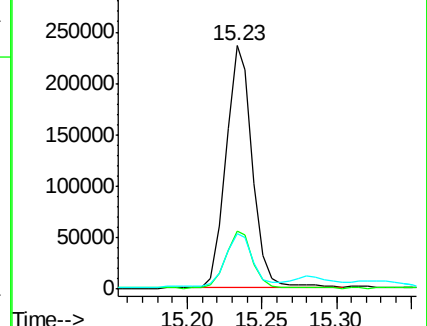
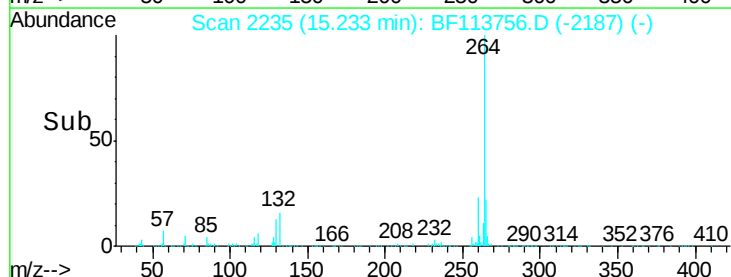
265 22.9 17.1 25.7

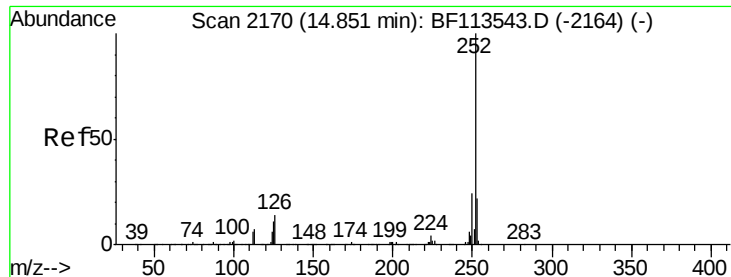


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

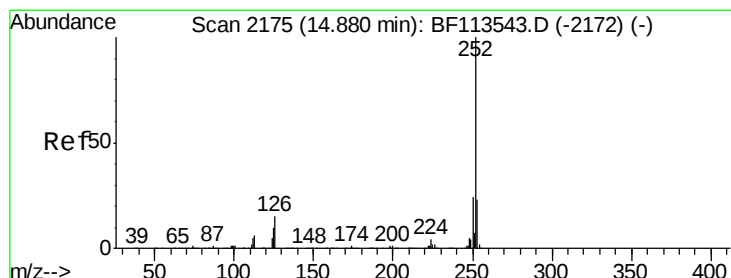
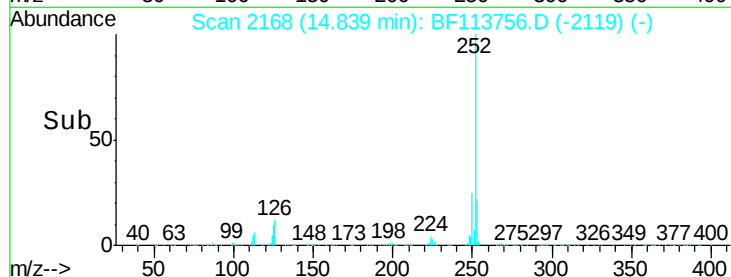
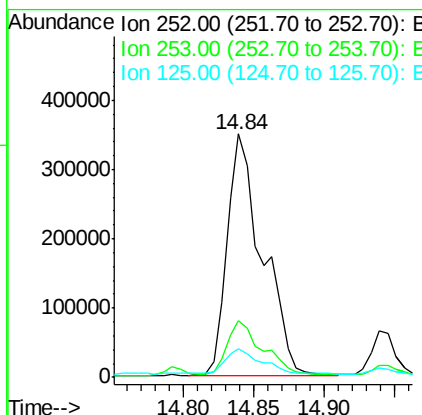
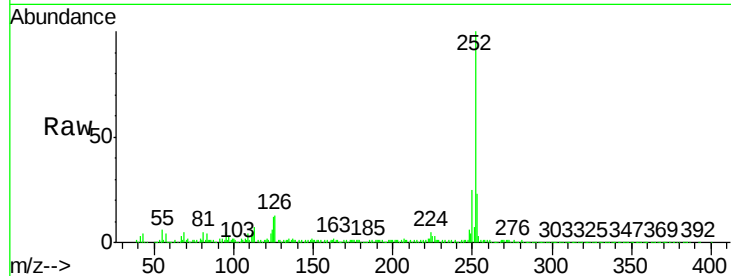




#88
Benzo(b)fluoranthene
Concen: 33.745 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113756.D
Acq: 12 Apr 2019 23:51

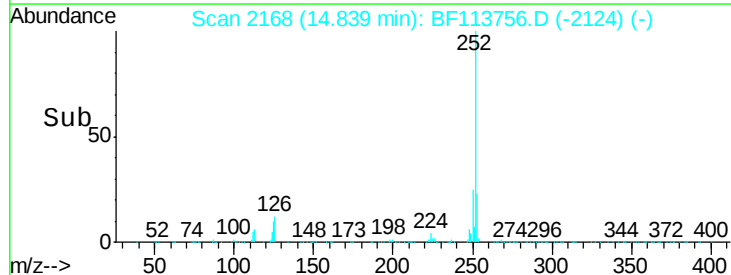
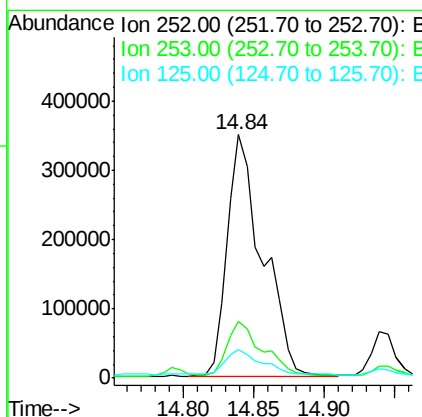
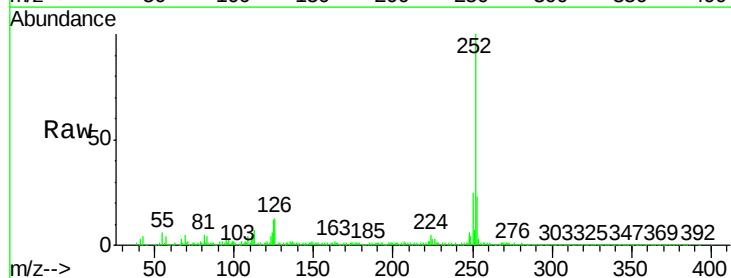
Instrument :
BNA_F
ClientSampleId :

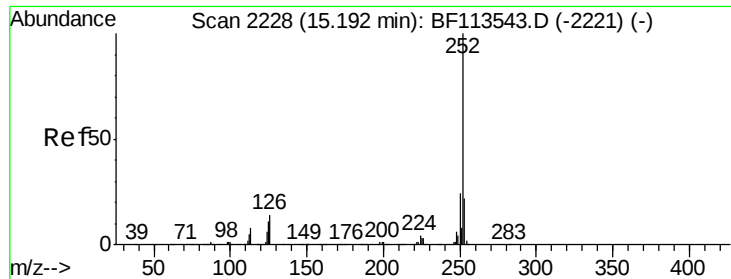
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	11.8	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 37.600 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113756.D
Acq: 12 Apr 2019 23:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	11.8	7.3	10.9

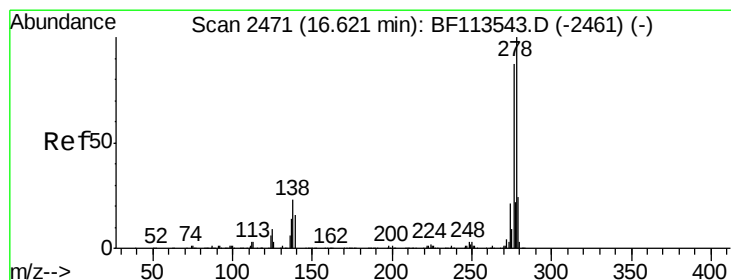
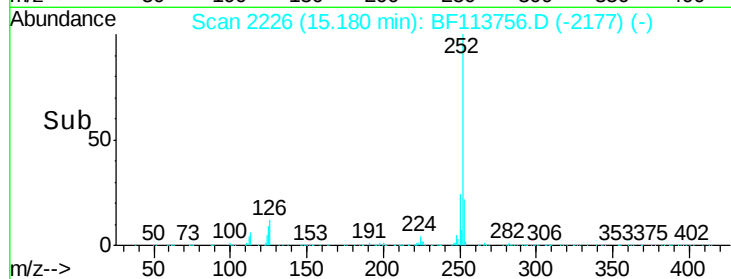
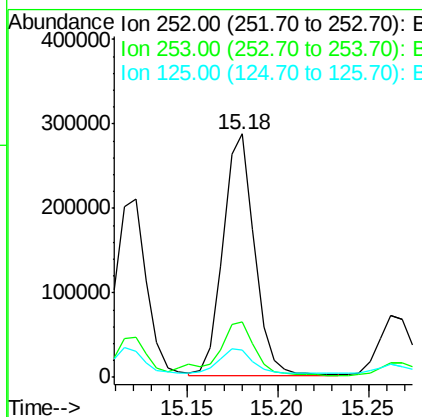
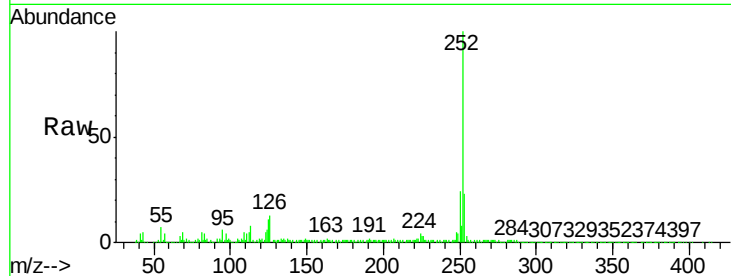




#90
Benzo(a)pyrene
Concen: 21.567 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113756.D
Acq: 12 Apr 2019 23:51

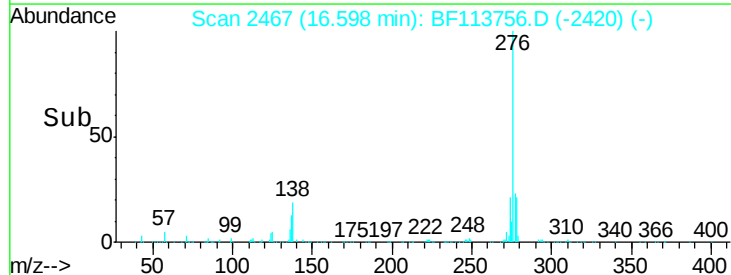
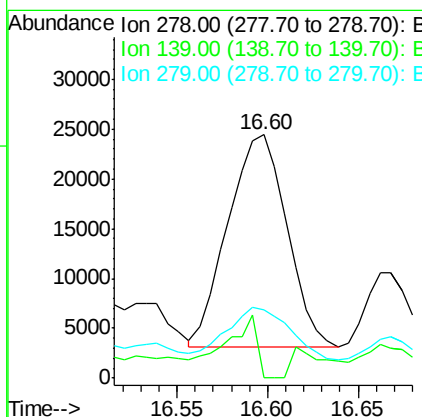
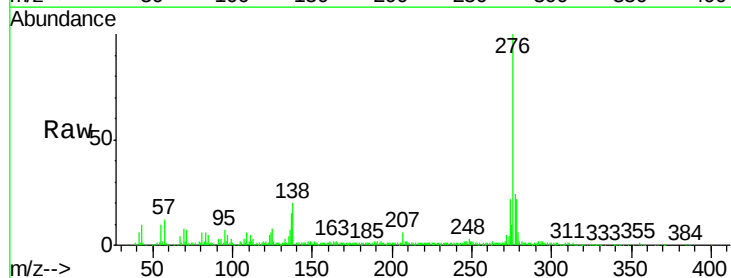
Instrument :
BNA_F
ClientSampleId :

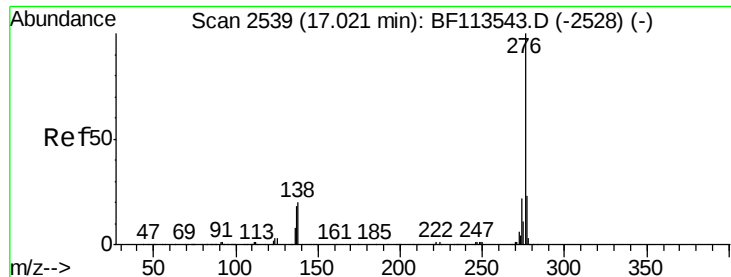
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	11.0	8.8	13.2



#91
Dibenzo(a,h)anthracene
Concen: 3.198 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.02 min
Lab File: BF113756.D
Acq: 12 Apr 2019 23:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	3.8	12.0	18.0#
279	28.0	19.0	28.6

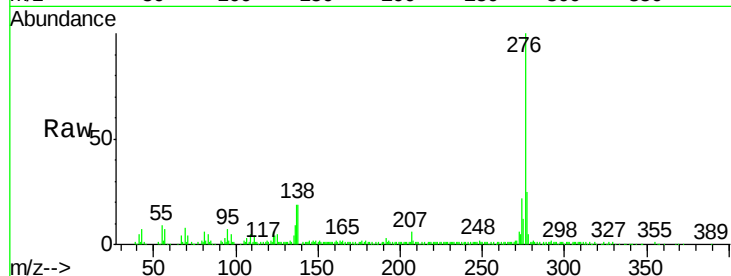




#92
 Benzo(a,h,i)perylene
 Concen: 13.153 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. -0.01 min
 Lab File: BF113756.D
 Acq: 12 Apr 2019 23:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.8	28.2
138	19.1	15.6	23.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

