

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101860.D
 Acq On : 3 Jan 2018 15:23
 Operator : SJ/JU
 Sample : I6680-25 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 00:06:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

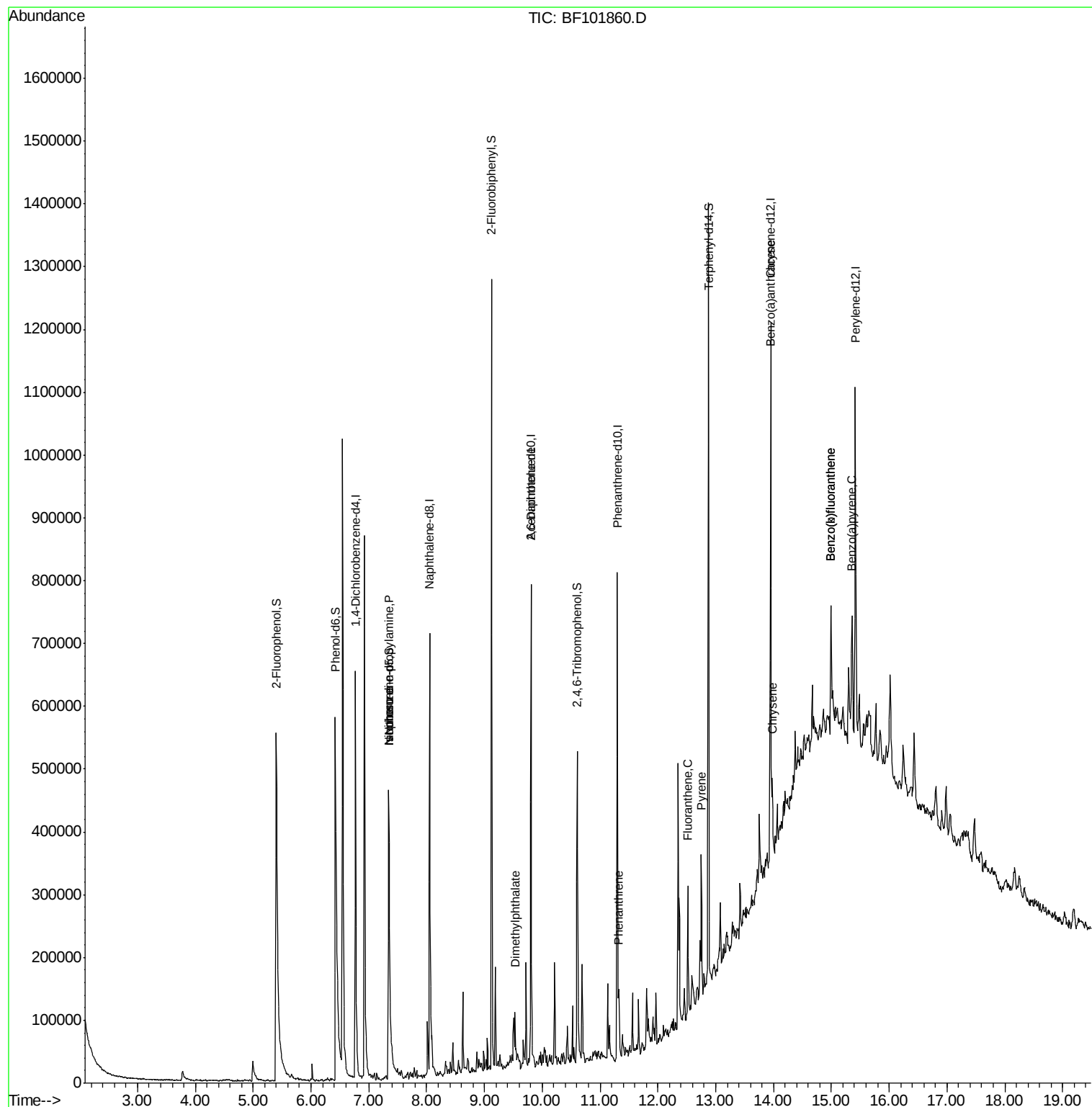
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	115275	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	398212	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	148249	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	277454	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	306655	20.00	ng	-0.02
86) Perylene-d12	15.42	264	297252	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	380237	49.13	ng	0.00
7) Phenol-d6	6.42	99	437974	45.47	ng	-0.01
23) Nitrobenzene-d5	7.35	82	252835	35.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	70949	49.67	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	400394	41.90	ng	-0.02
78) Terphenyl-d14	12.87	244	399398	31.40	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	34944	5.525	ng	# 84
25) Isophorone	7.35	82	252835	17.618	ng	# 64
49) Dimethylphthalate	9.53	163	30355	2.546	ng	98
50) 2,6-Dinitrotoluene	9.80	165	19328	7.975	ng	# 26
70) Phenanthrene	11.33	178	40853	2.648	ng	97
74) Fluoranthene	12.52	202	89135	5.504	ng	97
77) Pyrene	12.75	202	93648	4.069	ng	100
80) Benzo(a)anthracene	13.94	228	47957	2.368	ng	# 93
82) Chrysene	13.98	228	52019	2.721	ng	94
87) Benzo(b)fluoranthene	15.00	252	78381	4.326	ng	# 82
88) Benzo(k)fluoranthene	15.00	252	78381	4.449	ng	# 85
89) Benzo(a)pyrene	15.36	252	41386	2.478	ng	# 84

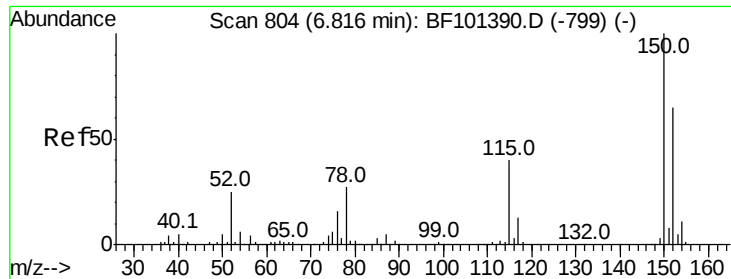
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
ClientSampleId :

Quant Time: Jan 04 00:06:51 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 29 13:21:45 2017
Response via : Initial Calibration



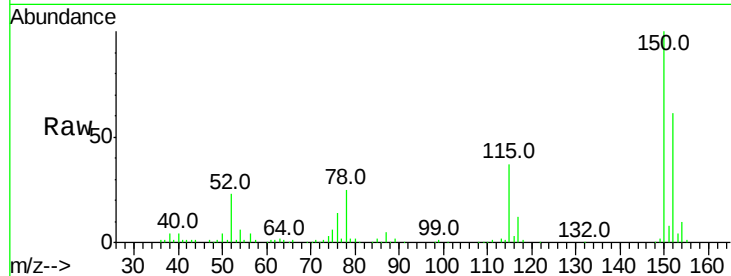


#1

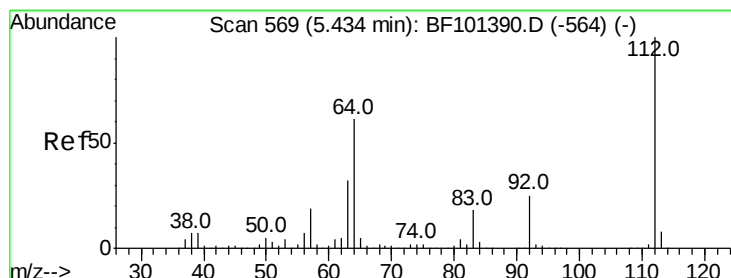
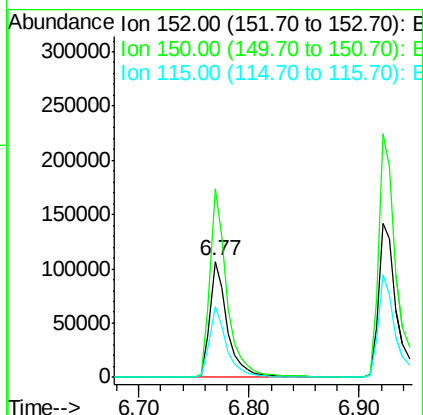
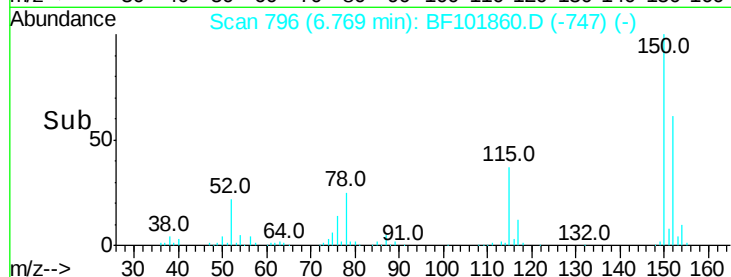
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101860.D
Acq: 3 Jan 2018 15:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 115275
Ion Ratio Lower Upper
152 100
150 162.6 124.6 186.8
115 60.8 50.1 75.1



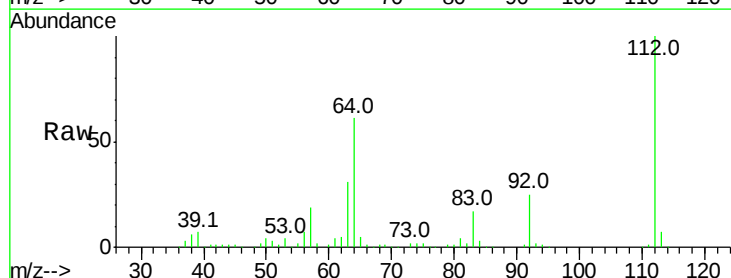
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



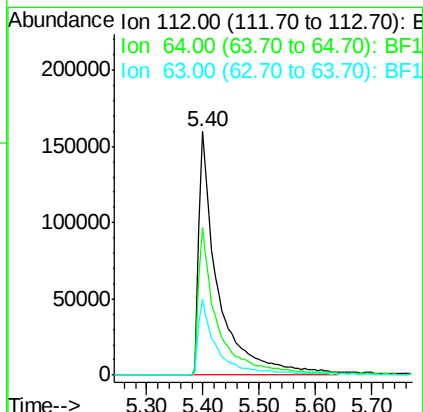
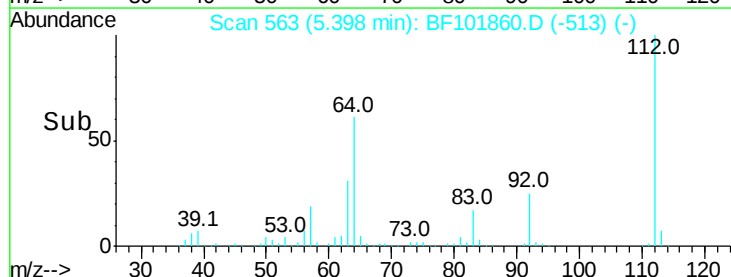
#5

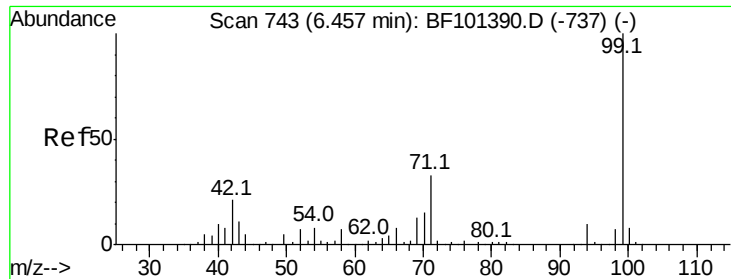
2-Fluorophenol
Concen: 49.134 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101860.D
Acq: 3 Jan 2018 15:23

Tgt Ion:112 Resp: 380237
Ion Ratio Lower Upper
112 100
64 60.8 47.9 71.9
63 31.1 23.7 35.5



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: 45.475 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

Instrument :

BNA_F

ClientSampled :

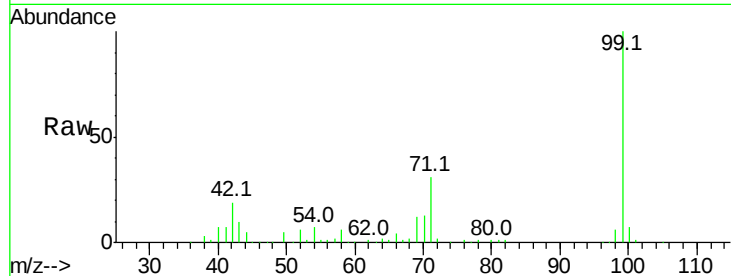
Tot Ion: 99 Resp: 437974

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 31.4 25.4 38.0



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

250000

200000

150000

100000

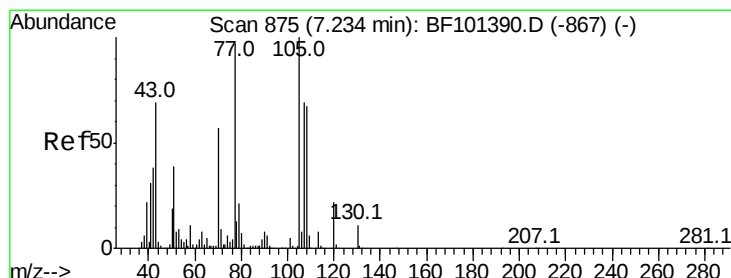
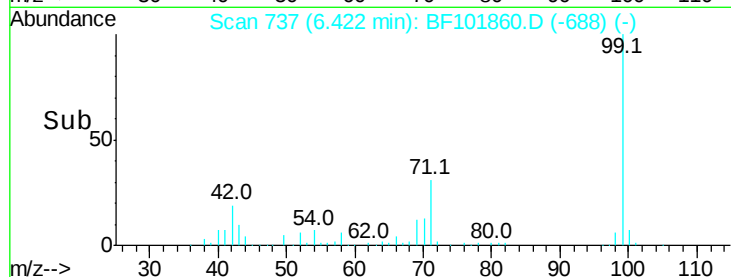
50000

0

6.42

6.30 6.40 6.50 6.60 6.70

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 5.525 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

Tgt Ion: 70 Resp: 34944

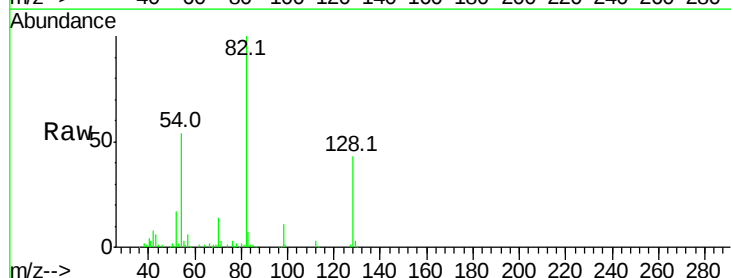
Ion Ratio Lower Upper

70 100

42 55.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



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

30000

25000

20000

15000

10000

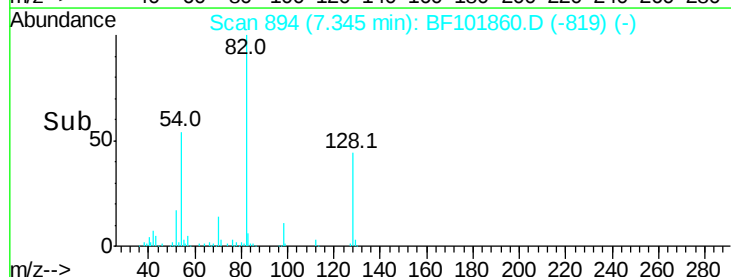
5000

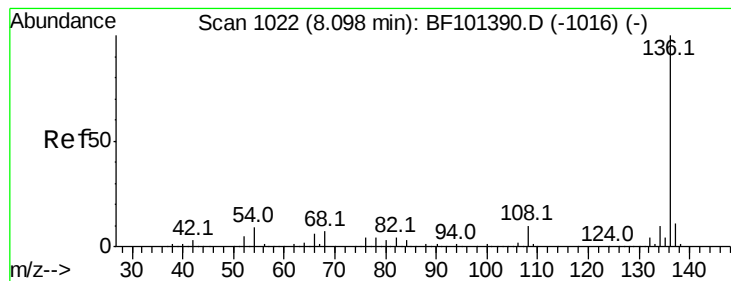
0

7.35

7.30 7.40 7.50

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 398212

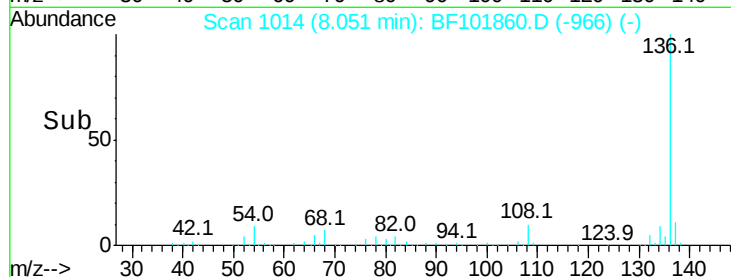
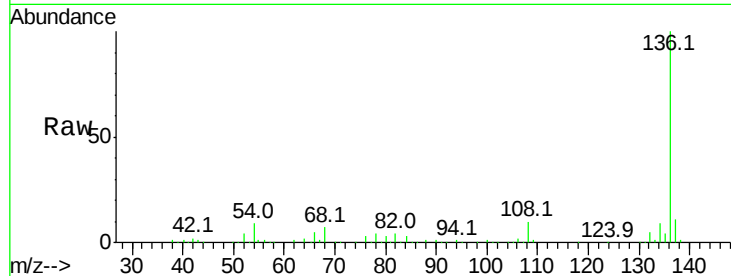
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.4 6.6 9.8

68 6.7 5.0 7.4

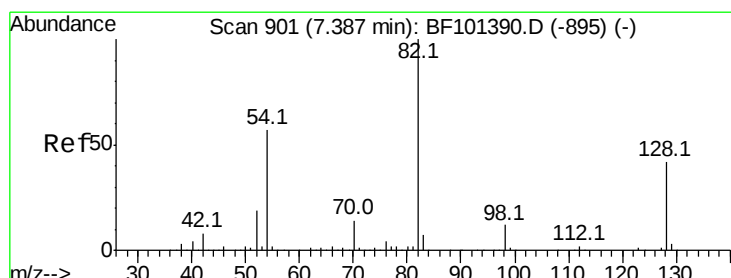
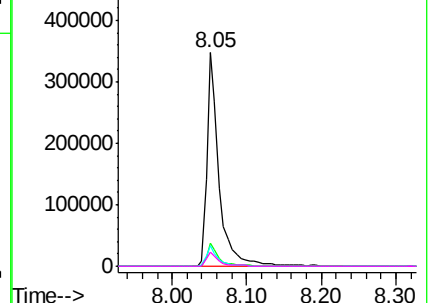


Abundance Ion 136.00 (135.70 to 136.70): E

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: 35.344 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.02 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

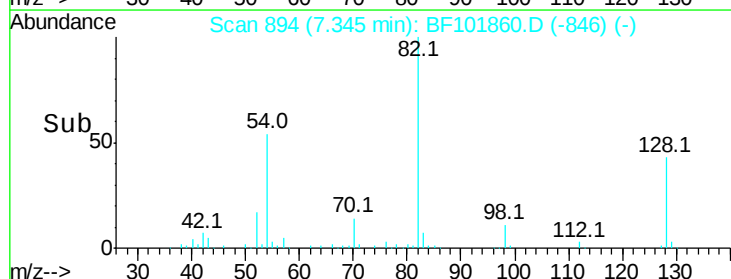
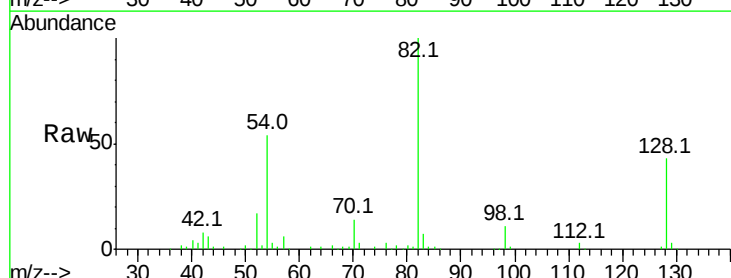
Tgt Ion: 82 Resp: 252835

Ion Ratio Lower Upper

82 100

128 43.5 36.1 54.1

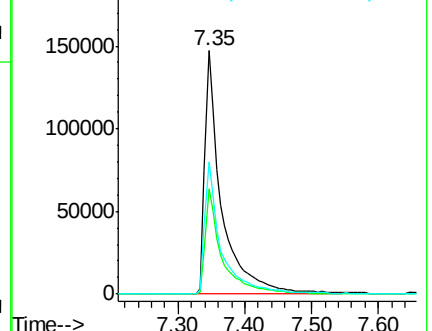
54 54.1 41.4 62.2

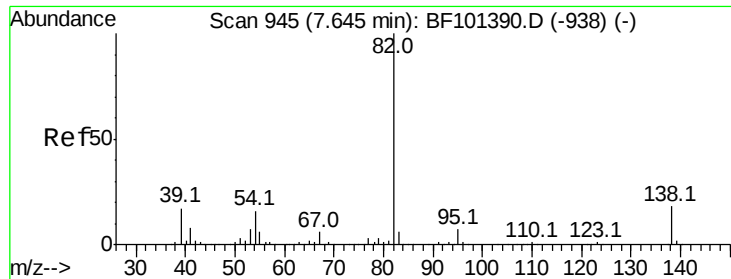


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.618 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

Instrument :

BNA_F

ClientSampled :

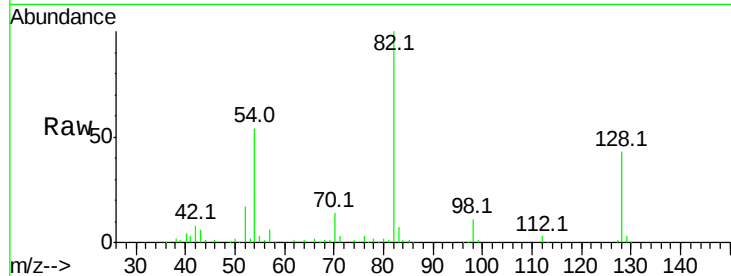
Tot Ion: 82 Resp: 252835

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

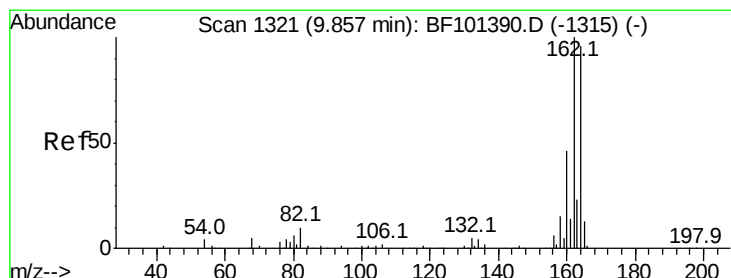
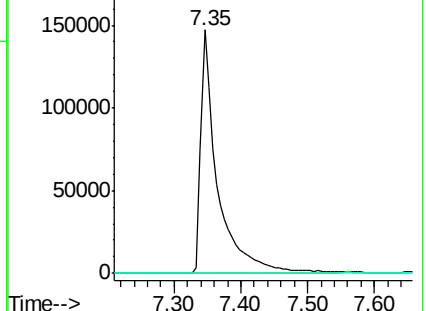
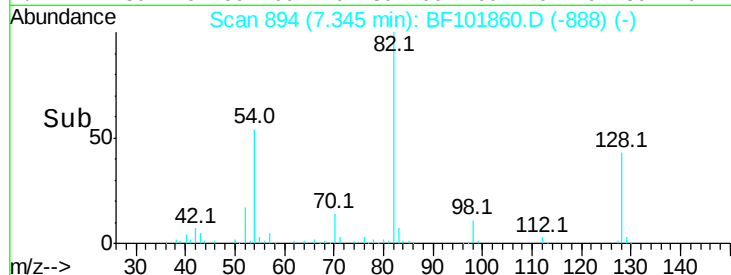
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

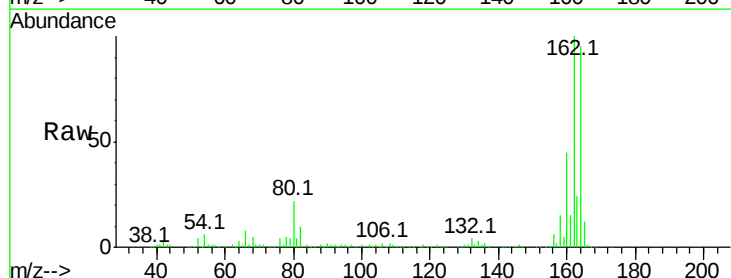
Tgt Ion:164 Resp: 148249

Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

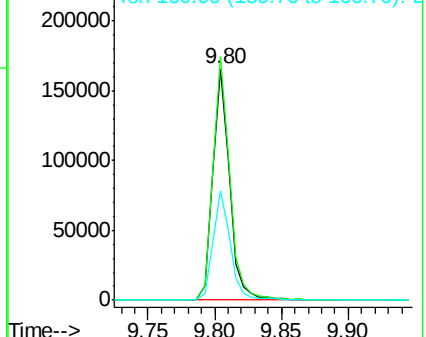
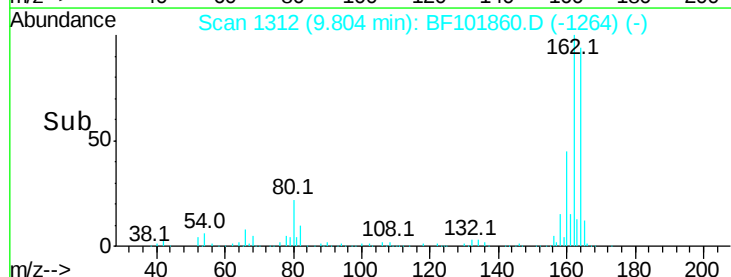
160 47.5 38.3 57.5

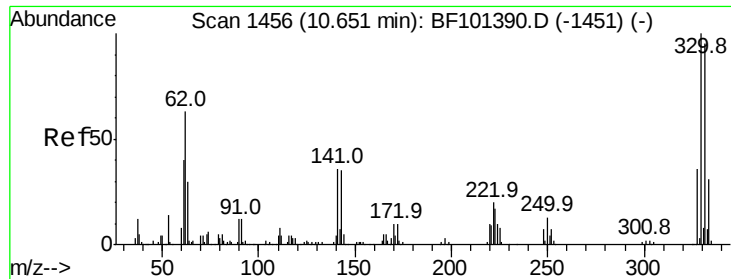


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

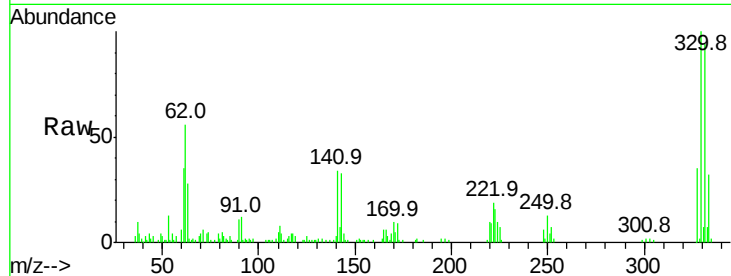




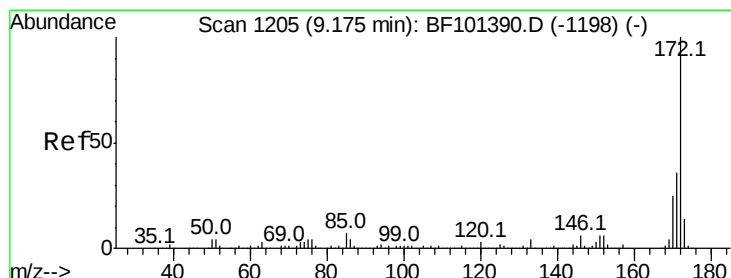
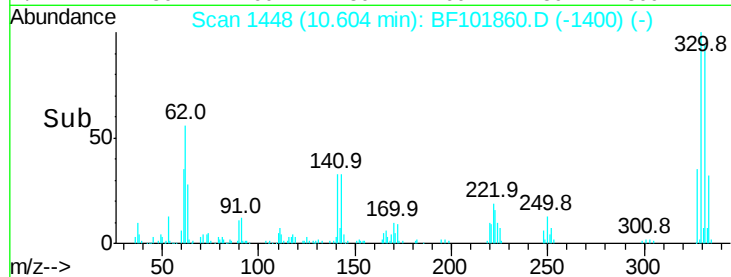
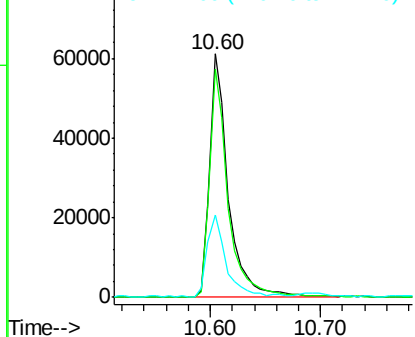
#41
 2,4,6-Tribromophenol
 Concen: 49.667 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.02 min
 Lab File: BF101860.D
 Acq: 3 Jan 2018 15:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 70949
 Ion Ratio Lower Upper
 330 100
 332 92.9 77.0 115.6
 141 34.7 29.9 44.9

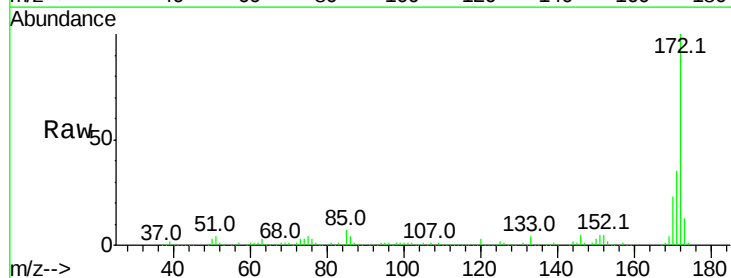


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

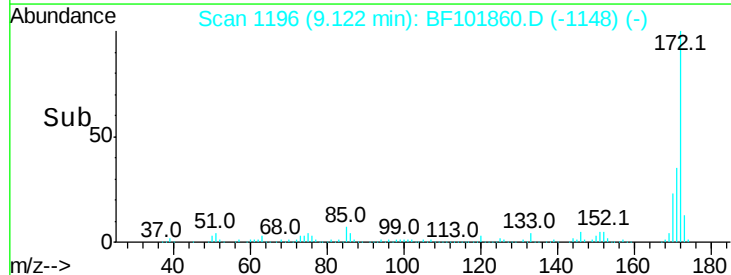
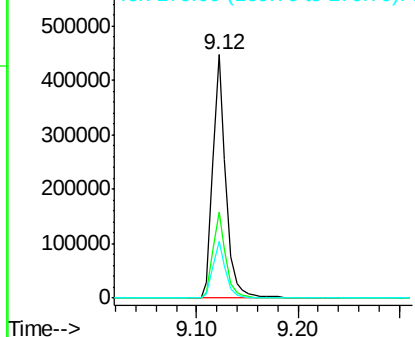


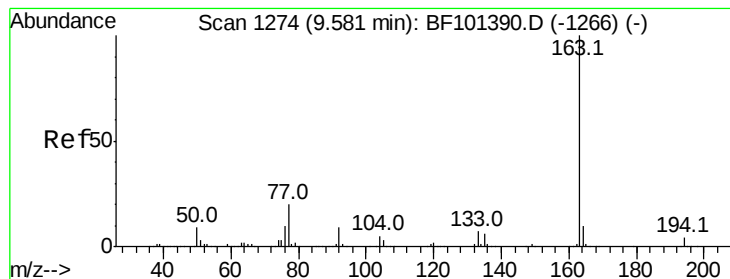
#44
 2-Fluorobiphenyl
 Concen: 41.896 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.02 min
 Lab File: BF101860.D
 Acq: 3 Jan 2018 15:23

Tgt Ion:172 Resp: 400394
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.1 19.6 29.4



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

Dimethylphthalate

Concen: 2.546 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

Instrument :

BNA_F

ClientSampleId :

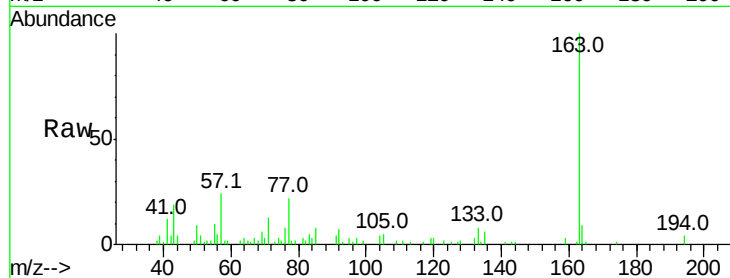
Tot Ion:163 Resp: 30355

Ion Ratio Lower Upper

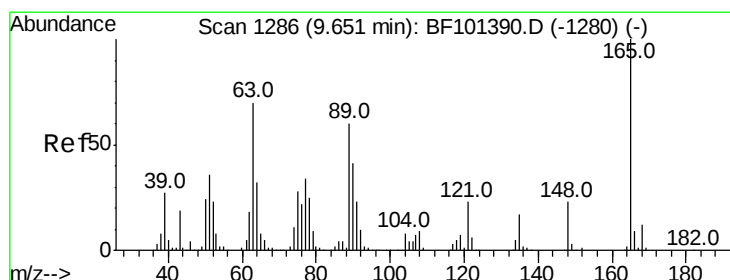
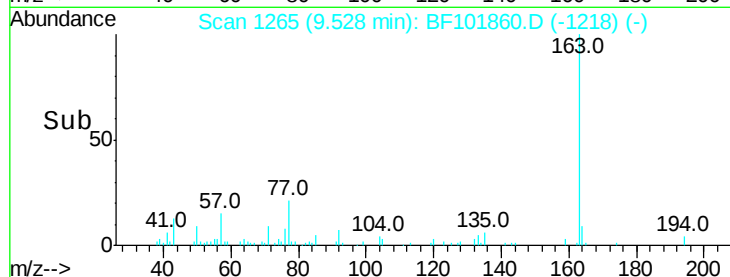
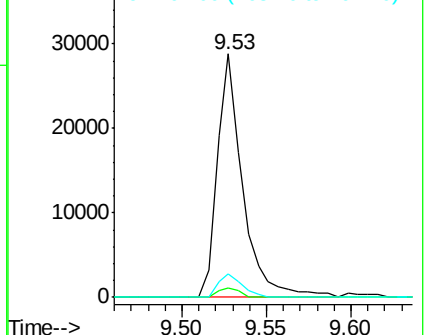
163 100

194 3.8 2.7 4.1

164 9.4 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.975 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.18 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

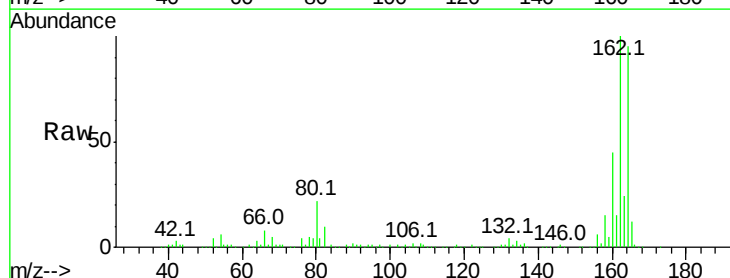
Tgt Ion:165 Resp: 19328

Ion Ratio Lower Upper

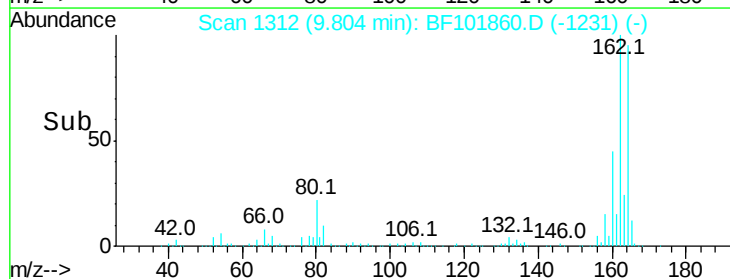
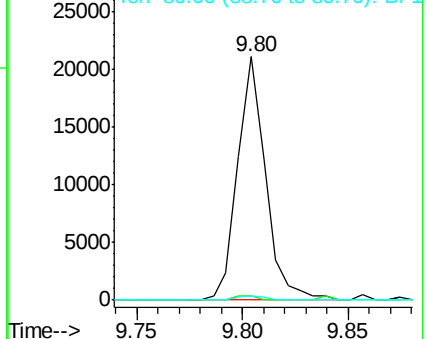
165 100

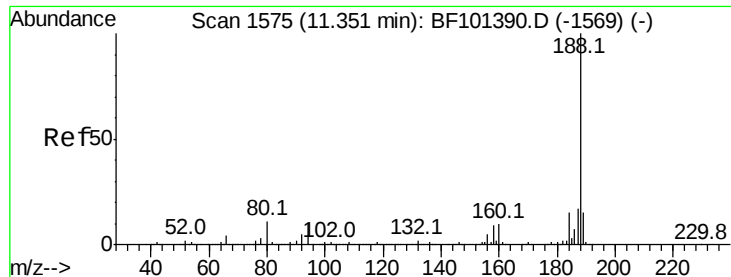
63 2.0 44.7 67.1#

89 1.7 44.0 66.0#



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

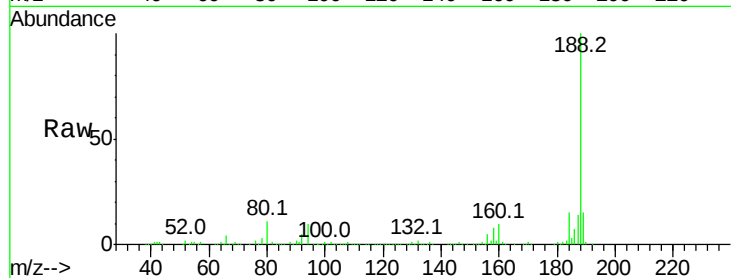




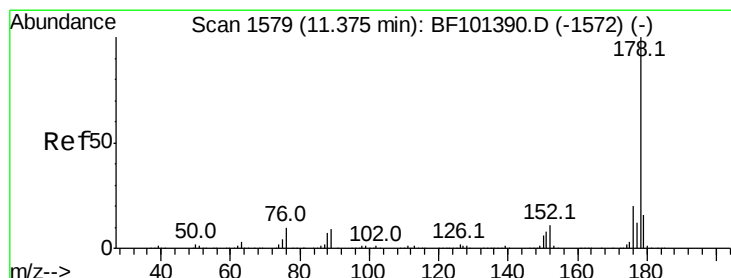
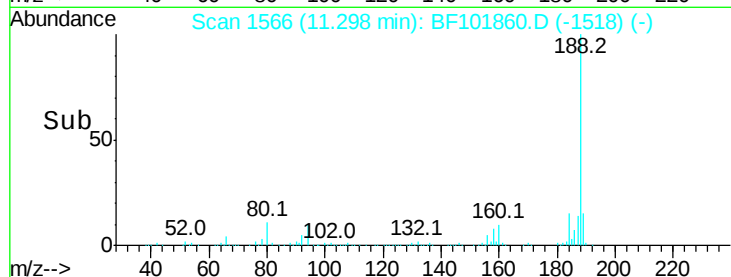
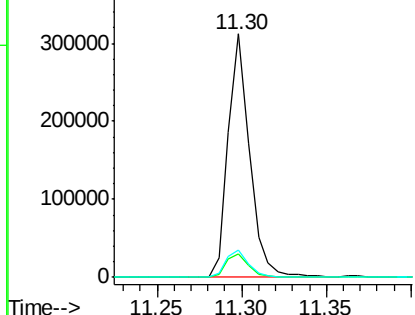
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.02 min
Lab File: BF101860.D
Acq: 3 Jan 2018 15:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 277454
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 11.4 9.2 13.8

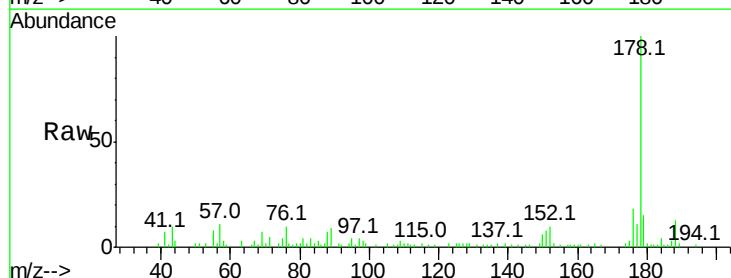


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

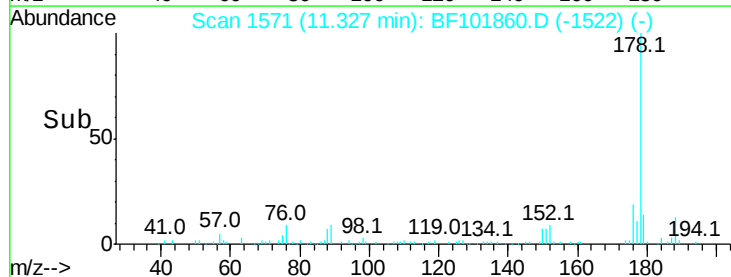
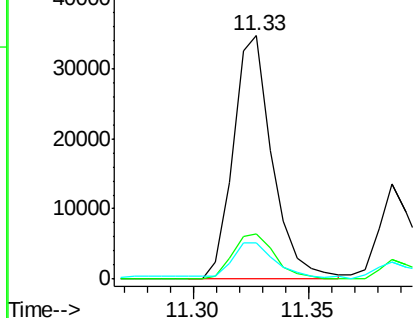


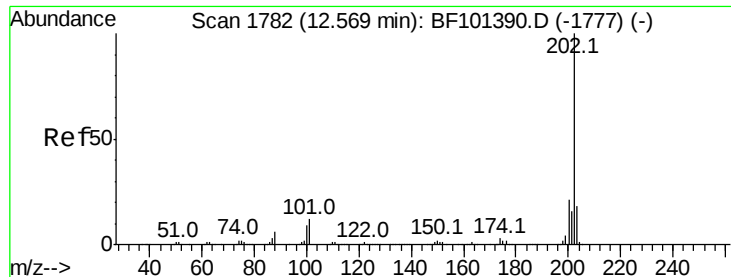
#70
Phenanthrene
Concen: 2.648 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF101860.D
Acq: 3 Jan 2018 15:23

Tgt Ion:178 Resp: 40853
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 14.9 13.0 19.6



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





#74

Fluoranthene

Concen: 5.504 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

Instrument :

BNA_F

ClientSampleId :

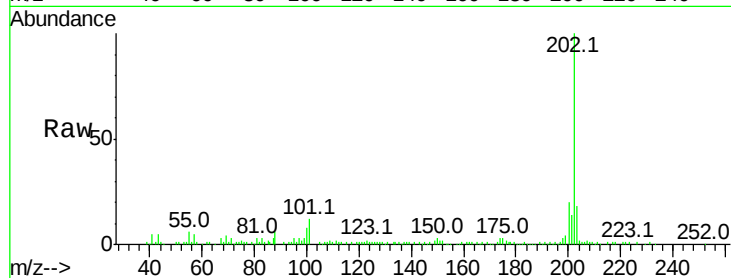
Tot Ion:202 Resp: 89135

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

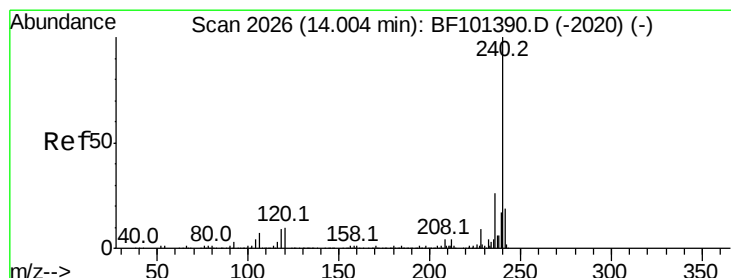
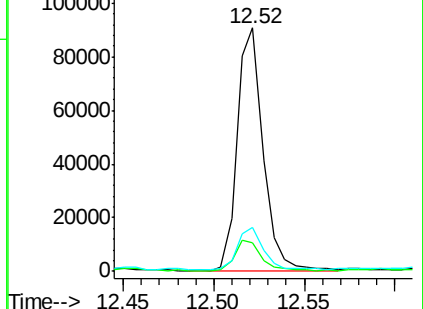
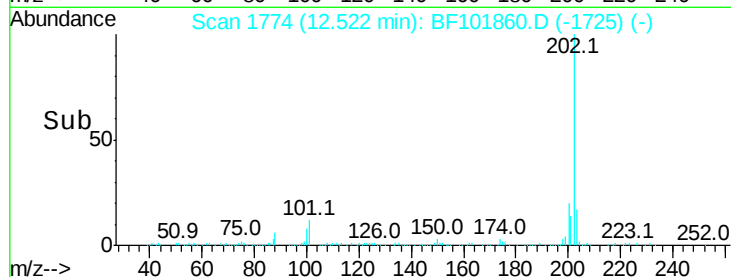
203 17.9 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

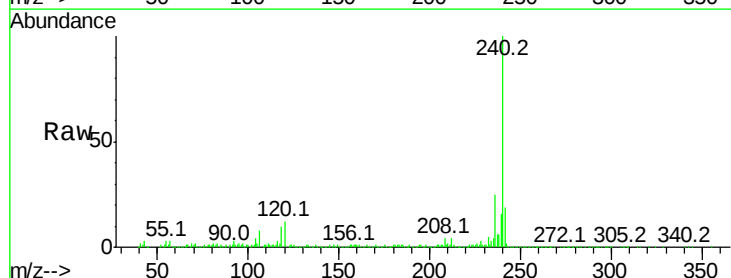
Tgt Ion:240 Resp: 306655

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

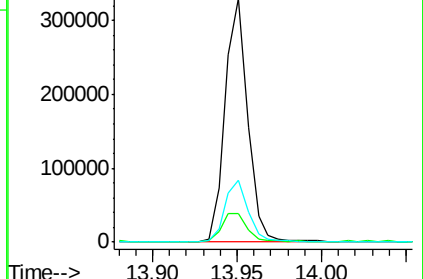
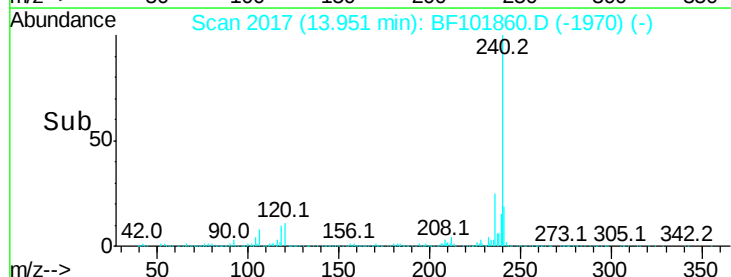
236 25.3 20.7 31.1

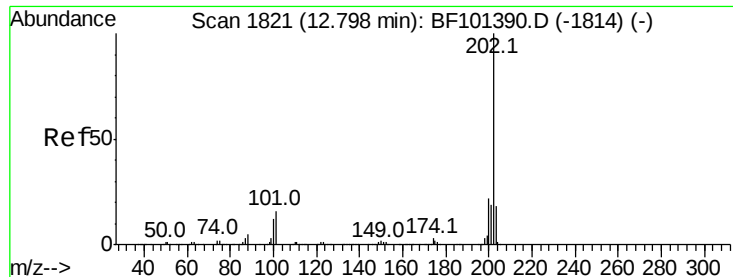


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.069 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

Instrument :

BNA_F

ClientSampleId :

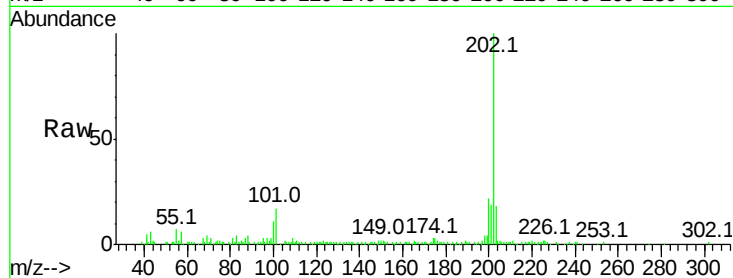
Tot Ion:202 Resp: 93648

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

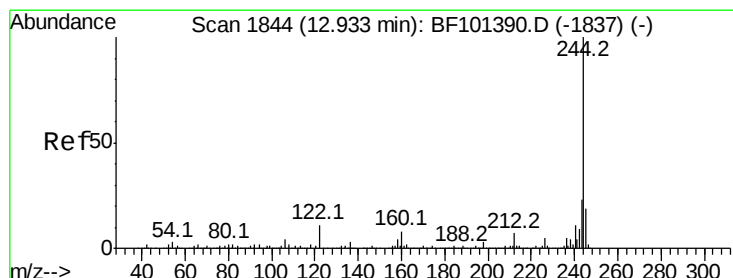
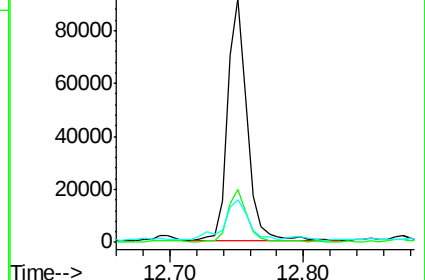
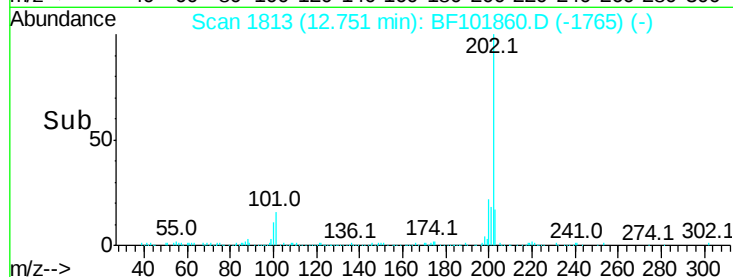
203 17.5 14.3 21.5



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



#78

Terphenyl-d14

Concen: 31.399 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF101860.D

Acq: 3 Jan 2018 15:23

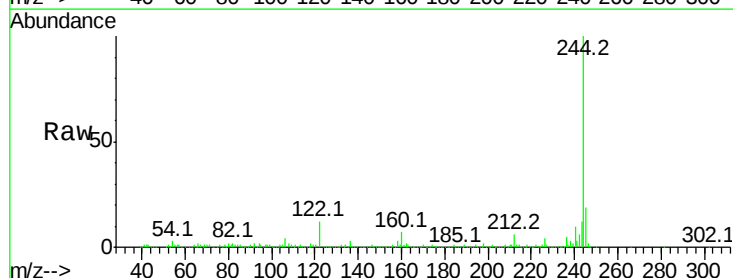
Tgt Ion:244 Resp: 399398

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

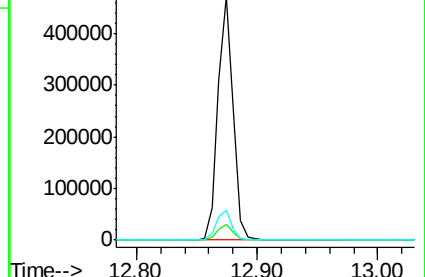
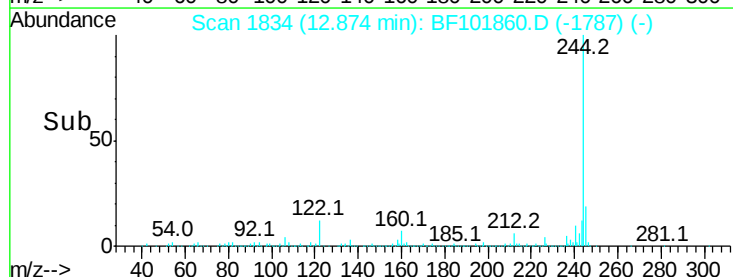
122 12.0 11.0 16.4

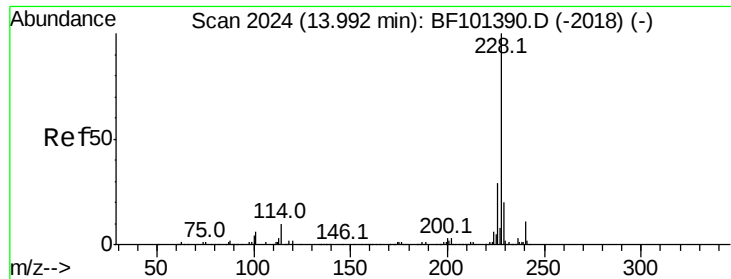


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

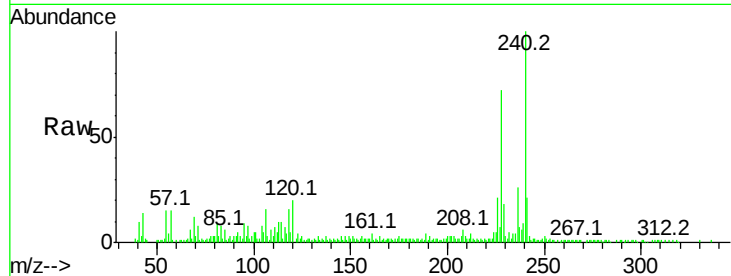




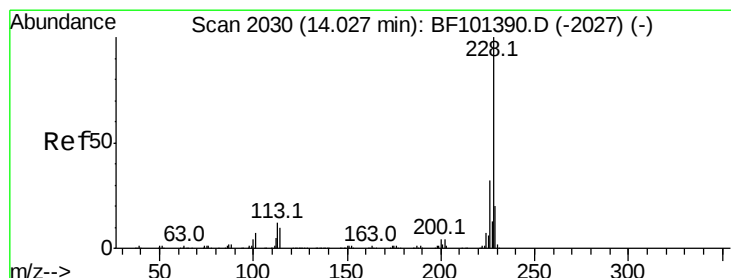
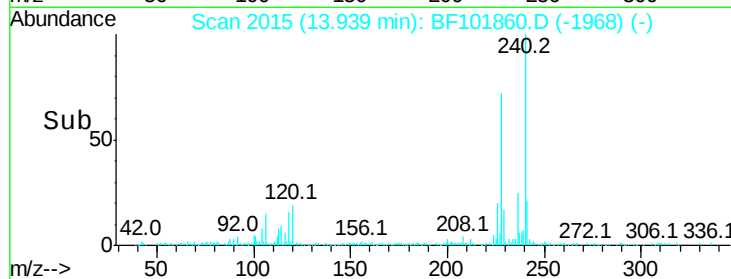
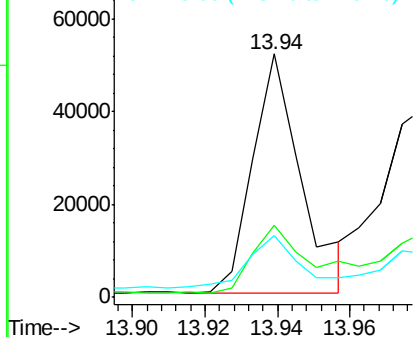
#80
Benzo(a)anthracene
Concen: 2.368 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BF101860.D
Acq: 3 Jan 2018 15:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 47957
Ion Ratio Lower Upper
228 100
226 29.7 22.6 33.8
229 25.3 15.8 23.6#

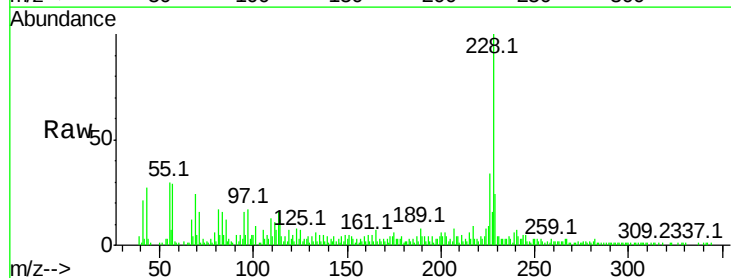


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

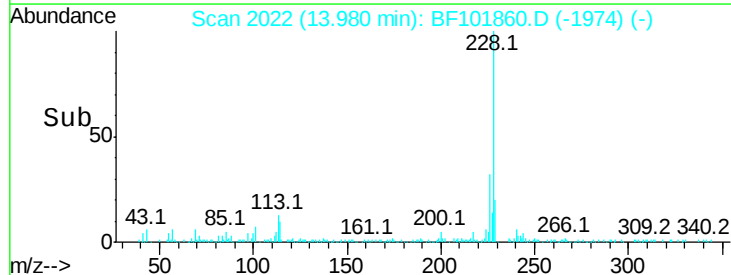
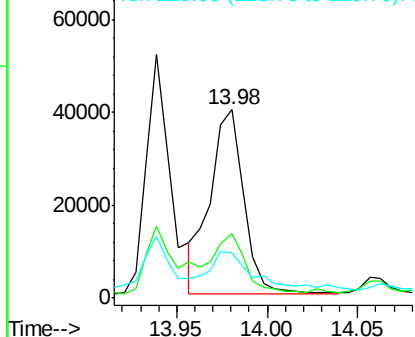


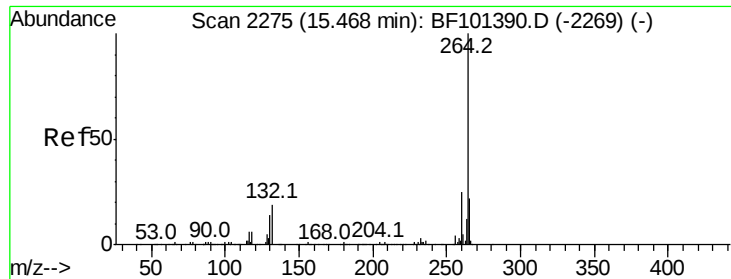
#82
Chrysene
Concen: 2.721 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF101860.D
Acq: 3 Jan 2018 15:23

Tgt Ion:228 Resp: 52019
Ion Ratio Lower Upper
228 100
226 34.1 25.0 37.6
229 23.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

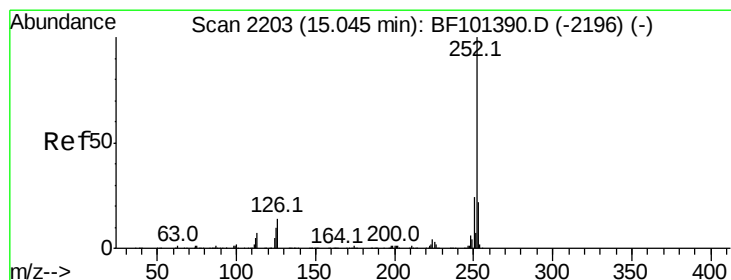
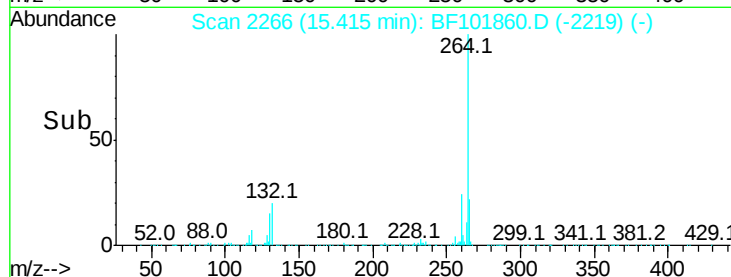
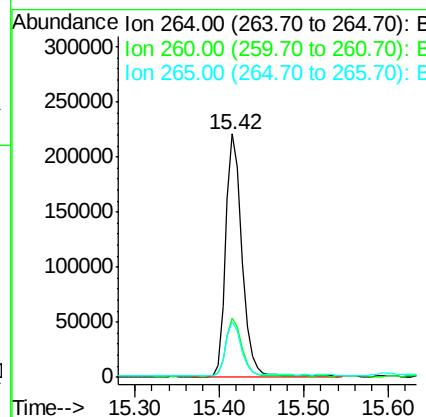
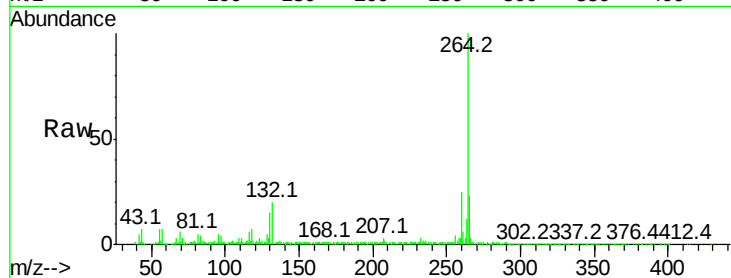




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF101860.D
Acq: 3 Jan 2018 15:23

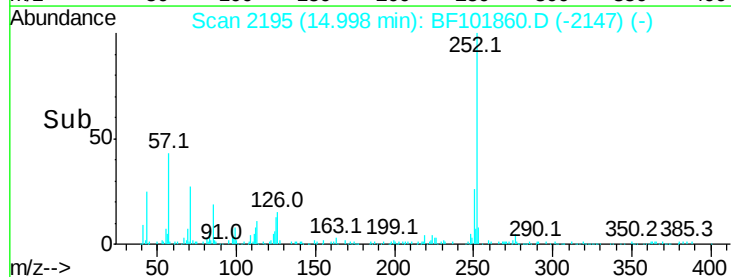
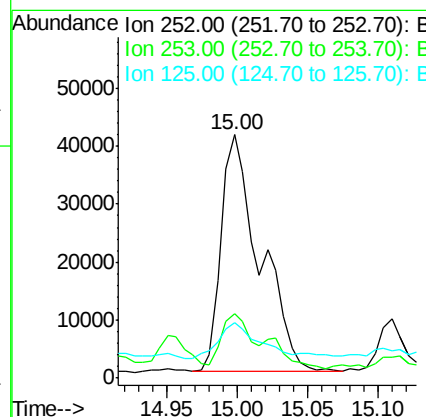
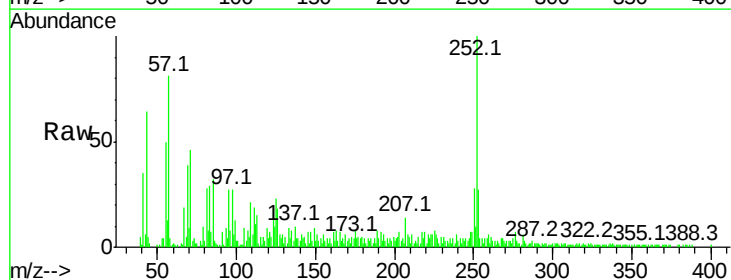
Instrument :
BNA_F
ClientSampleId :

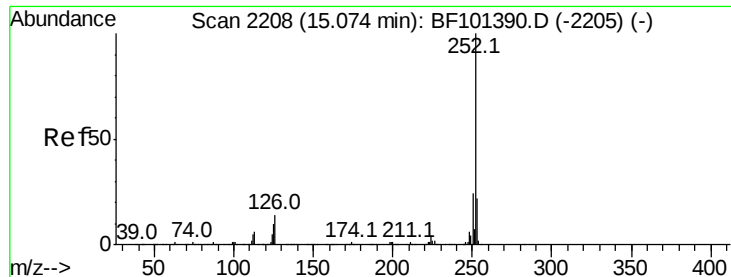
Tot Ion:264 Resp: 297252
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.326 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF101860.D
Acq: 3 Jan 2018 15:23

Tgt Ion:252 Resp: 78381
Ion Ratio Lower Upper
252 100
253 26.6 17.0 25.6#
125 22.8 9.0 13.6#

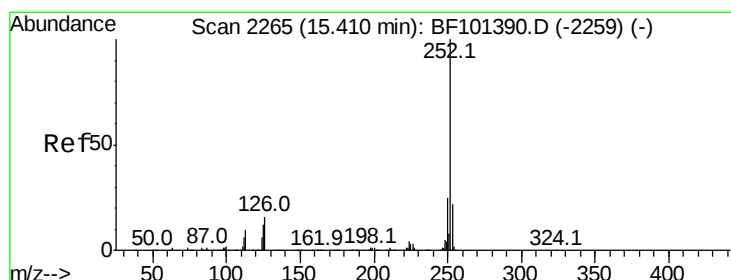
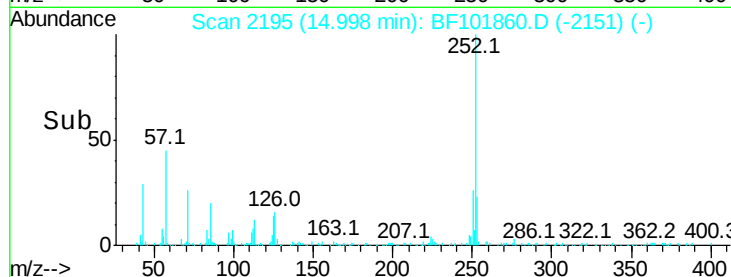
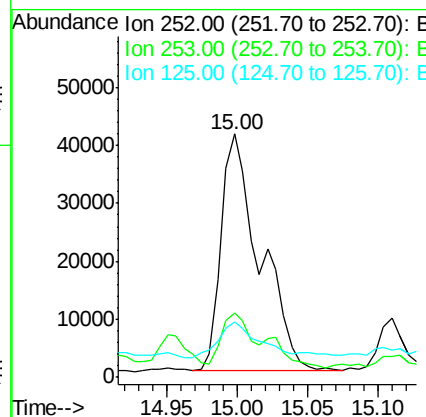
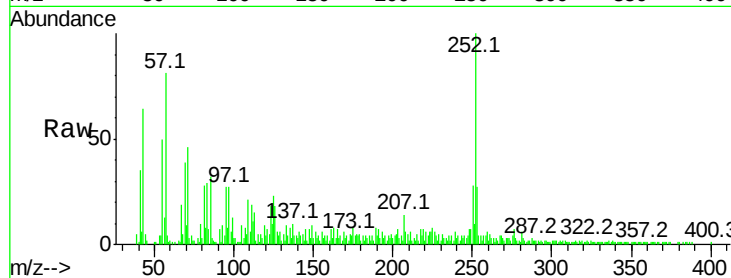




#88
Benzo(k)fluoranthene
Concen: 4.449 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF101860.D
Acq: 3 Jan 2018 15:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 78381
Ion Ratio Lower Upper
252 100
253 26.6 17.9 26.9
125 22.8 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.478 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF101860.D
Acq: 3 Jan 2018 15:23

Tgt Ion:252 Resp: 41386
Ion Ratio Lower Upper
252 100
253 26.4 17.1 25.7#
125 21.9 9.8 14.6#

