

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101812.D
 Acq On : 28 Dec 2017 19:39
 Operator : SJ/JU
 Sample : I6995-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

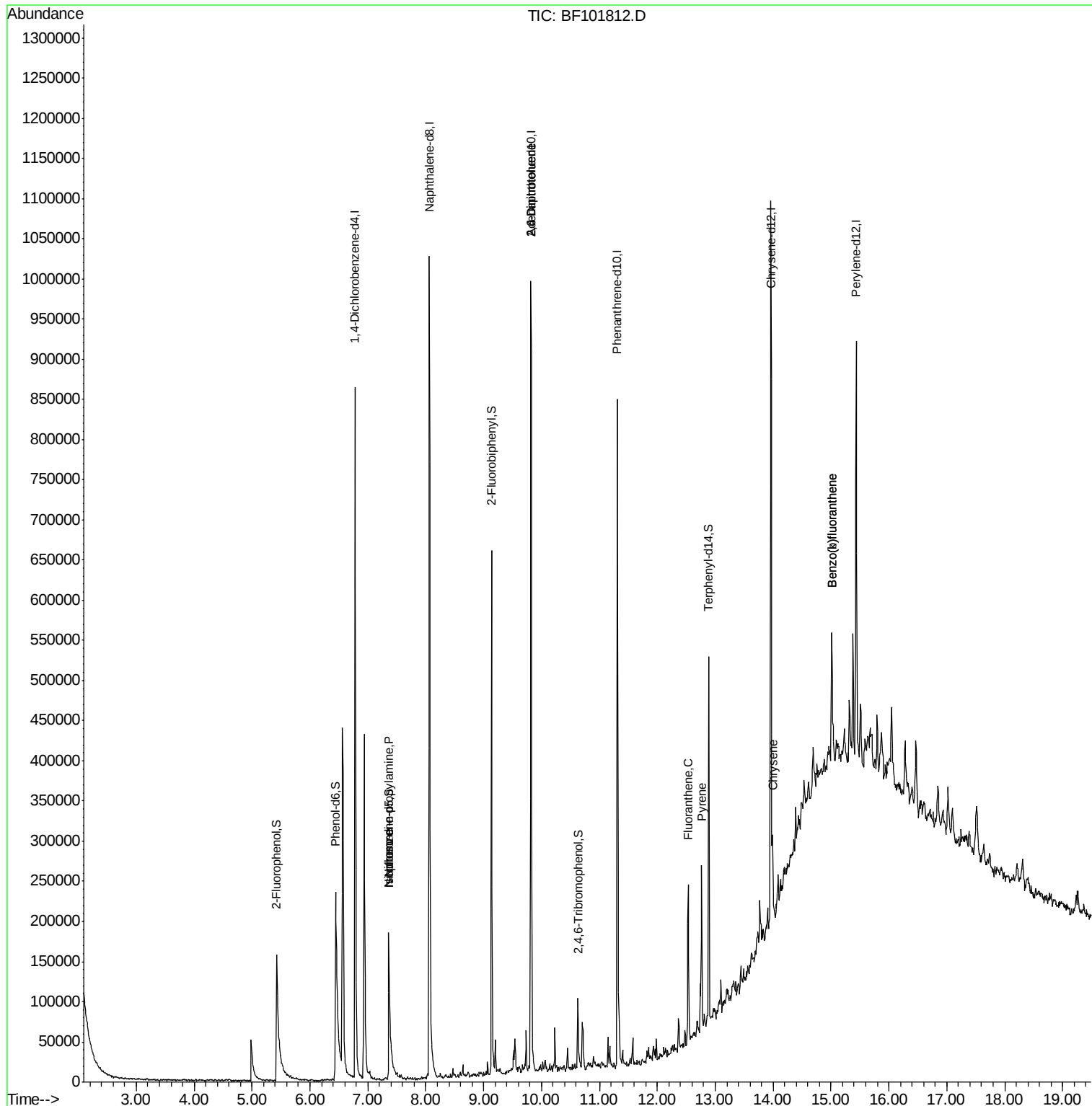
Quant Time: Dec 29 04:36:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

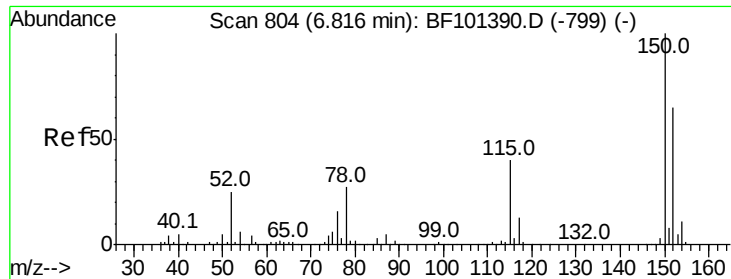
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	147266	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	547119	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	202938	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	312192	20.00	ng	0.00
75) Chrysene-d12	13.96	240	312188	20.00	ng	0.00
86) Perylene-d12	15.43	264	265215	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	148742	15.05	ng	0.02
7) Phenol-d6	6.45	99	224202	18.22	ng	0.01
23) Nitrobenzene-d5	7.36	82	127820	13.00	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	15237	7.79	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	240559	18.39	ng	-0.01
78) Terphenyl-d14	12.89	244	163397	12.62	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	16850	2.085	ng	# 77
25) Isophorone	7.36	82	127820	6.483	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	26088	7.863	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	26088	6.979	ng	# 23
74) Fluoranthene	12.53	202	83834	4.600	ng	97
77) Pyrene	12.76	202	81296	3.470	ng	100
82) Chrysene	13.99	228	42158	2.166	ng	98
87) Benzo(b)fluoranthene	15.01	252	60681	3.754	ng	# 88
88) Benzo(k)fluoranthene	15.01	252	60681	3.861	ng	# 91

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

```
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Operator  : SJ/JU  
Sample    : I6995-01 5X  
Misc      :  
ALS Vial  : 19      Sample Multiplier: 1
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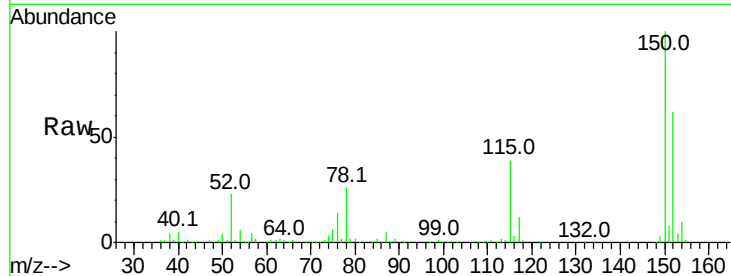


#1

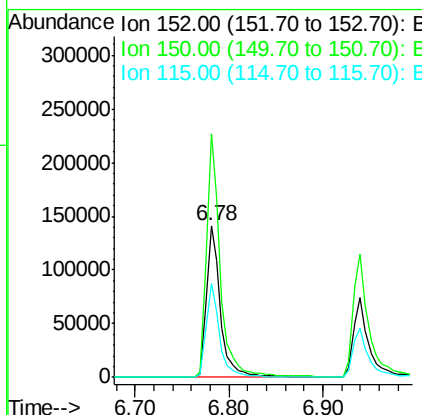
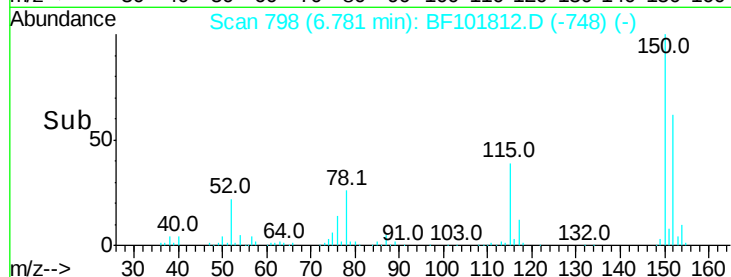
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101812.D
Acq: 28 Dec 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147266
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 62.1 50.1 75.1



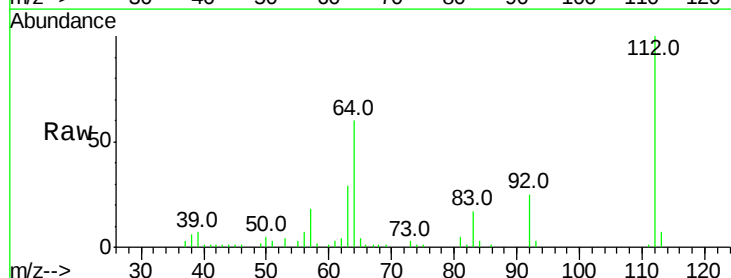
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



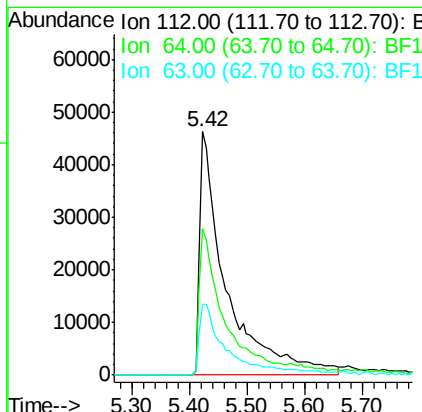
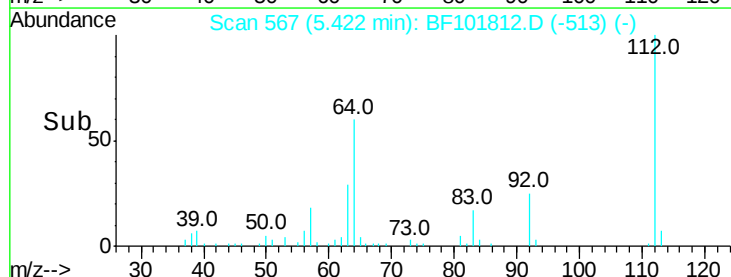
#5

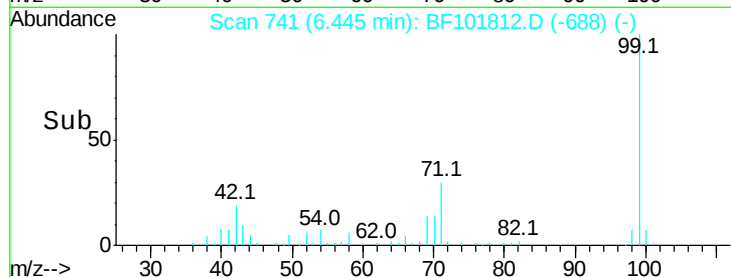
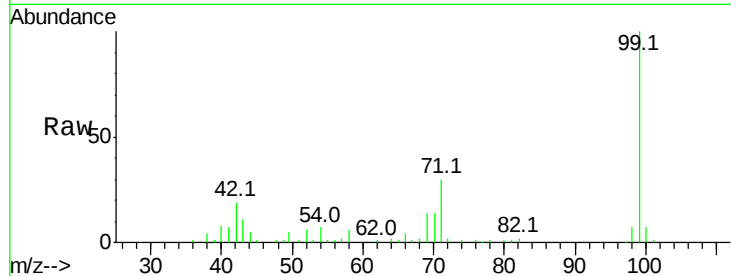
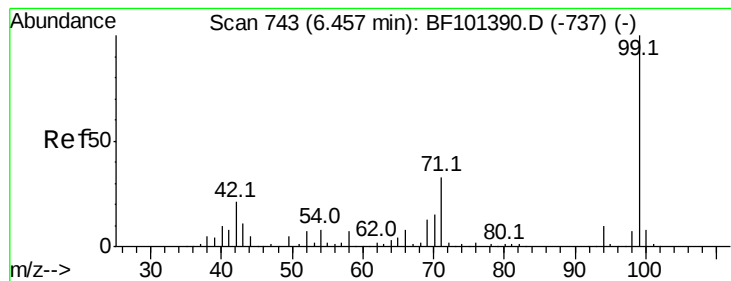
2-Fluorophenol
Concen: 15.045 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF101812.D
Acq: 28 Dec 2017 19:39

Tgt Ion:112 Resp: 148742
Ion Ratio Lower Upper
112 100
64 60.0 47.9 71.9
63 29.2 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: 18.222 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Instrument :

BNA_F

ClientSampled :

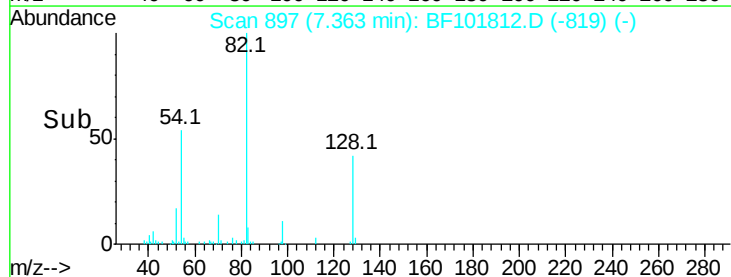
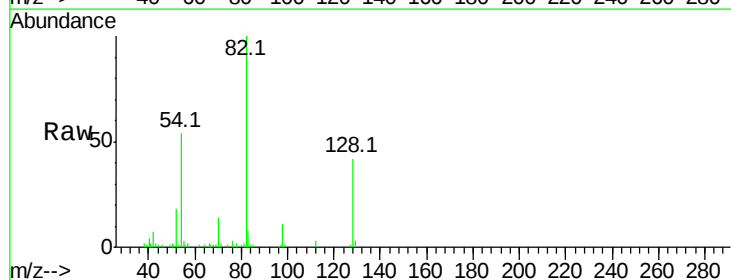
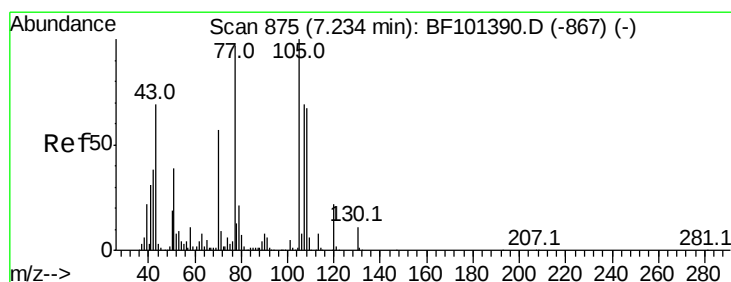
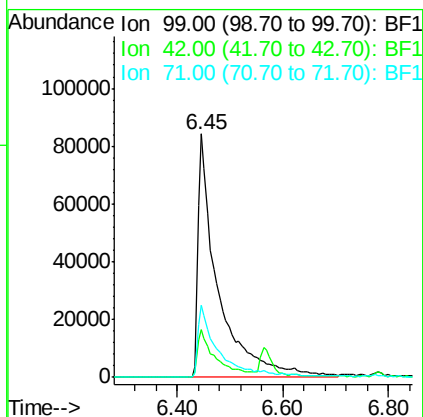
Tot Ion: 99 Resp: 224202

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 29.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.085 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.16 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Tgt Ion: 70 Resp: 16850

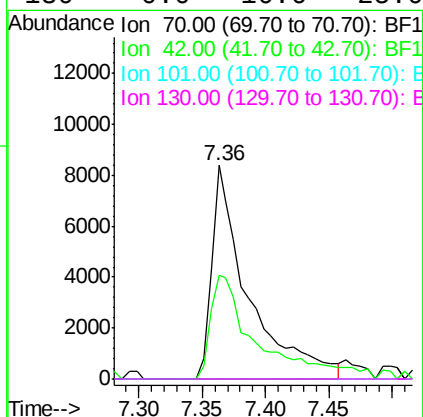
Ion Ratio Lower Upper

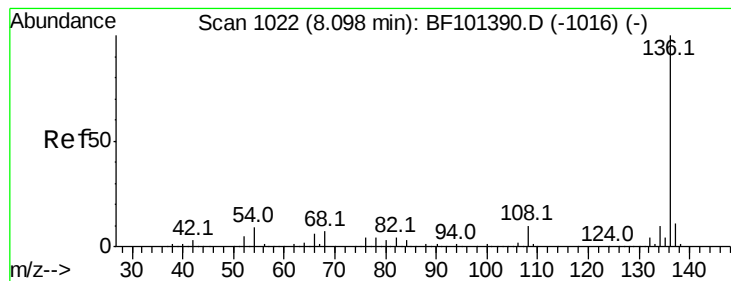
70 100

42 48.5 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 547119

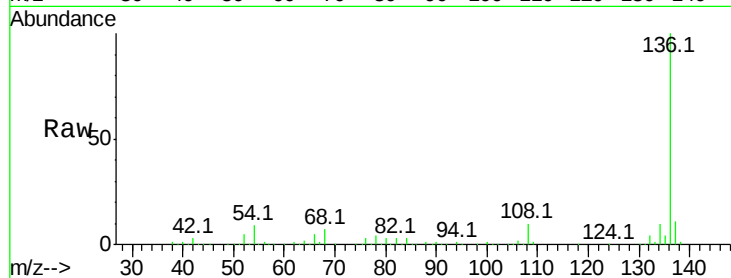
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 9.4 6.6 9.8

68 6.9 5.0 7.4

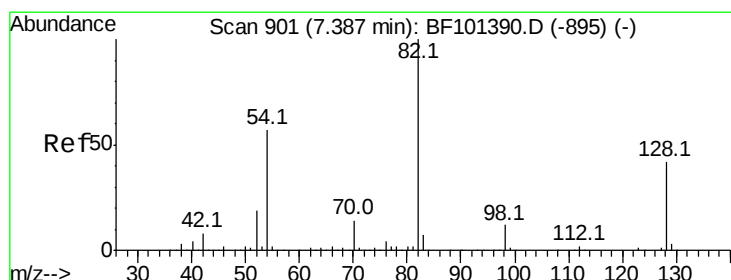
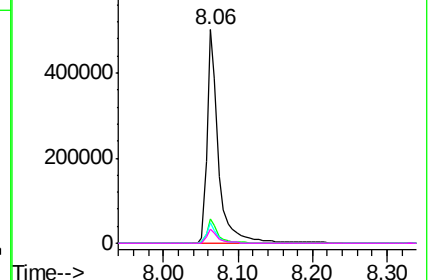
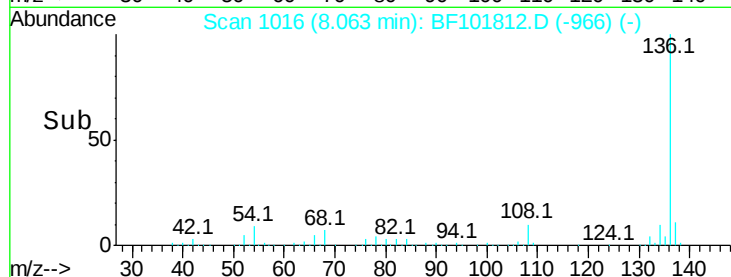


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.005 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

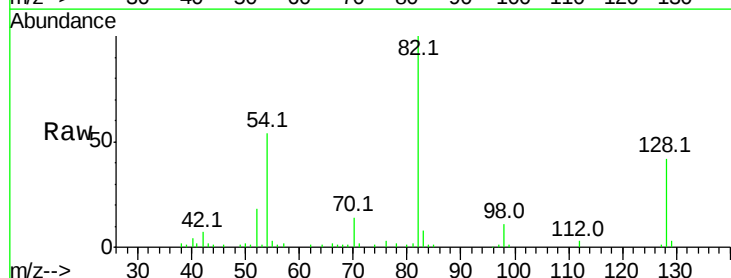
Tgt Ion: 82 Resp: 127820

Ion Ratio Lower Upper

82 100

128 42.2 36.1 54.1

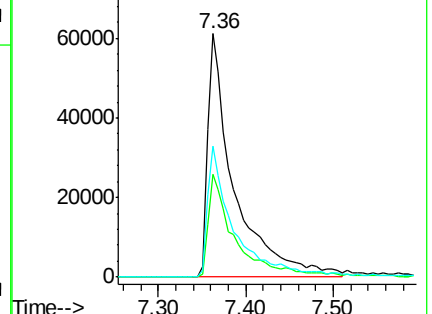
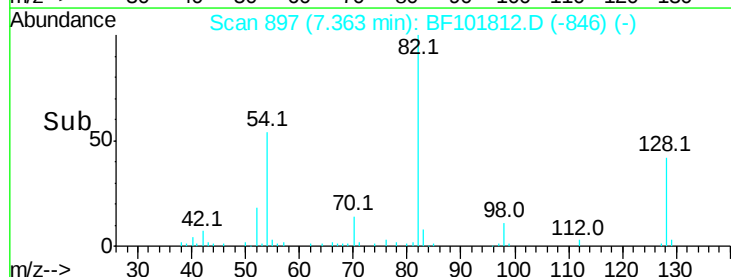
54 54.0 41.4 62.2

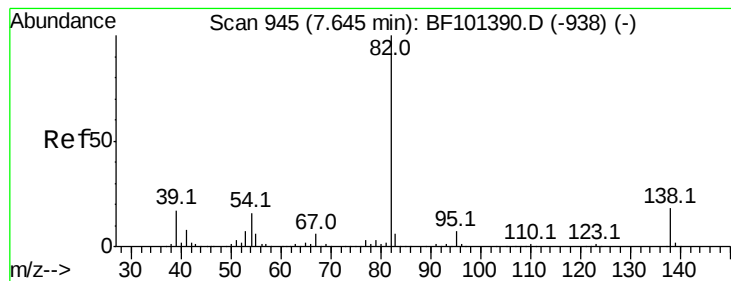


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.483 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Instrument :

BNA_F

ClientSampleId :

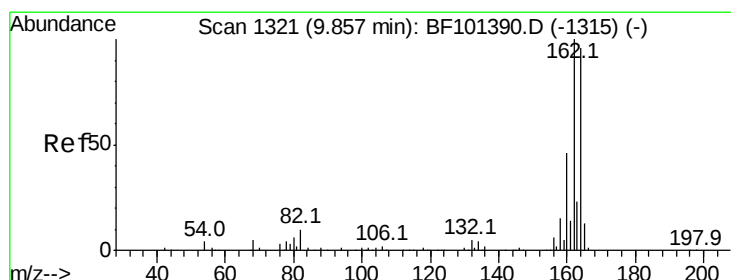
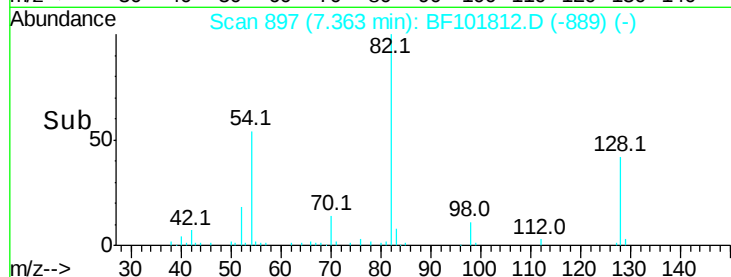
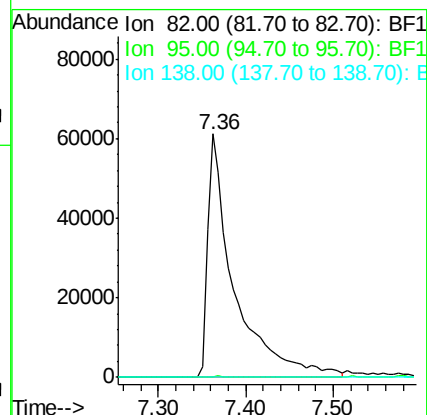
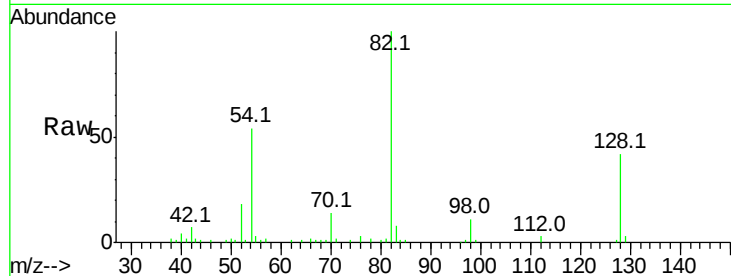
Tot Ion: 82 Resp: 127820

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

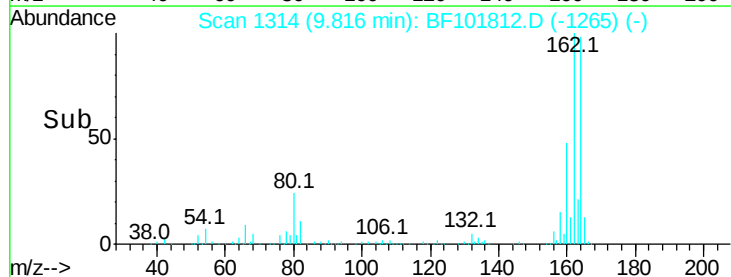
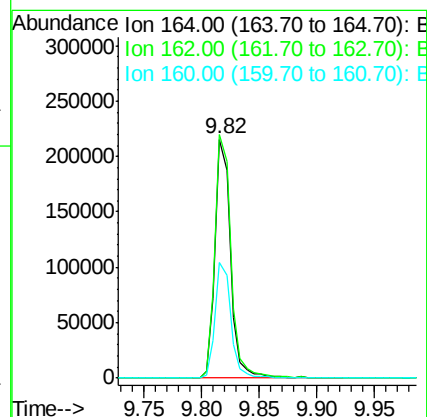
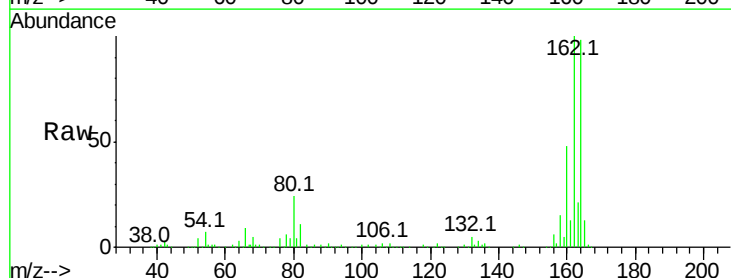
Tgt Ion:164 Resp: 202938

Ion Ratio Lower Upper

164 100

162 102.0 86.1 129.1

160 48.5 38.3 57.5

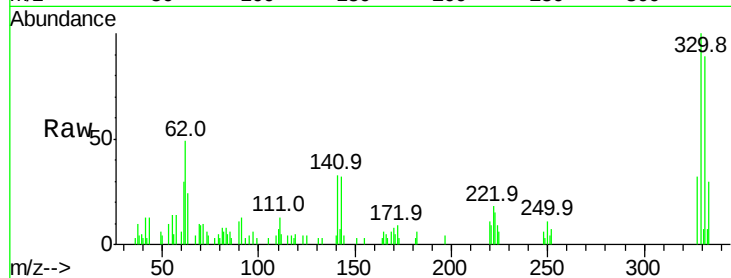




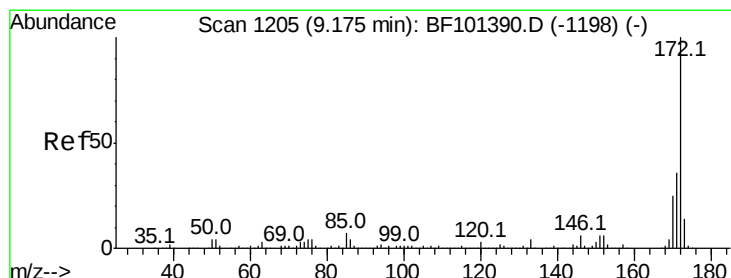
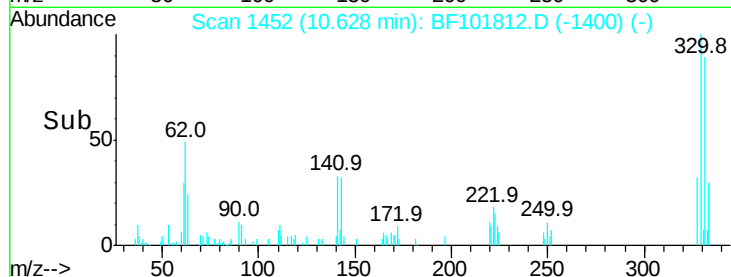
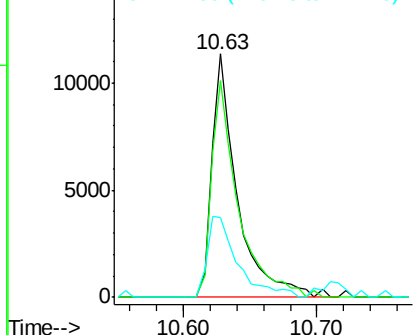
#41
 2,4,6-Tribromophenol
 Concen: 7.792 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101812.D
 Acq: 28 Dec 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 15237
 Ion Ratio Lower Upper
 330 100
 332 92.9 77.0 115.6
 141 39.8 29.9 44.9

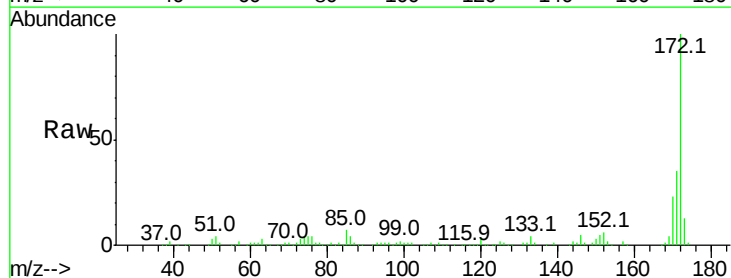


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

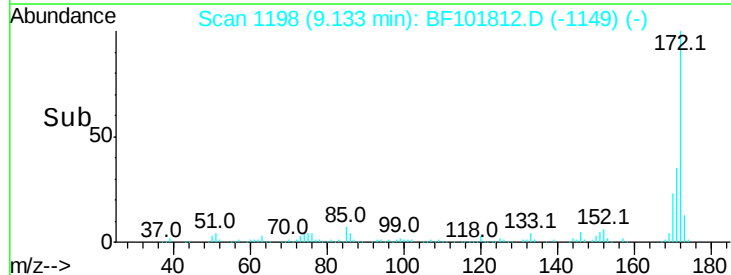
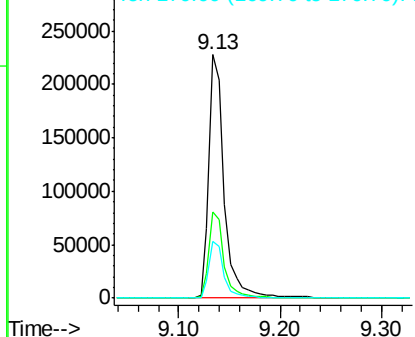


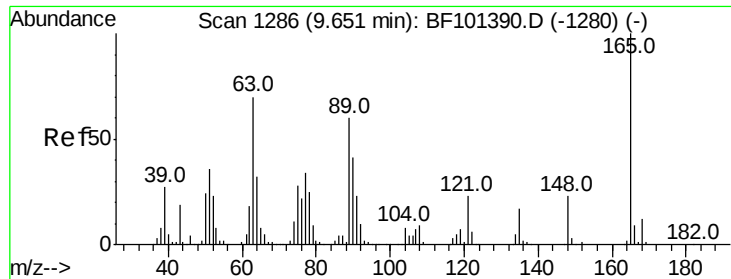
#44
 2-Fluorobiphenyl
 Concen: 18.388 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF101812.D
 Acq: 28 Dec 2017 19:39

Tgt Ion:172 Resp: 240559
 Ion Ratio Lower Upper
 172 100
 171 35.3 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





#50

2,6-Dinitrotoluene

Concen: 7.863 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.19 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Instrument :

BNA_F

ClientSampleId :

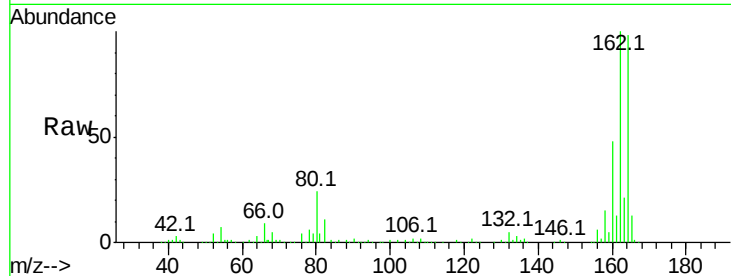
Tot Ion:165 Resp: 26088

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

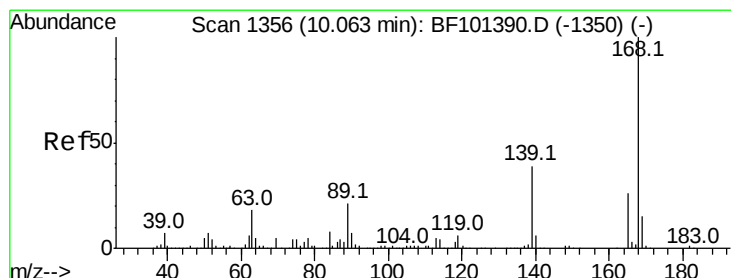
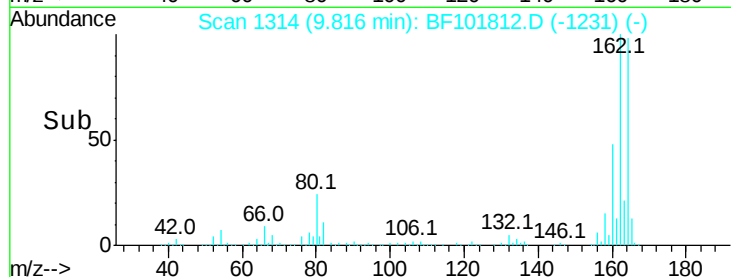
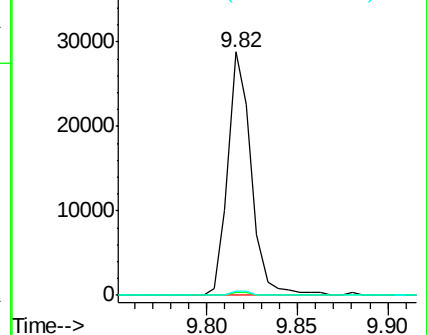
89 1.7 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.979 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.22 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Tgt Ion:165 Resp: 26088

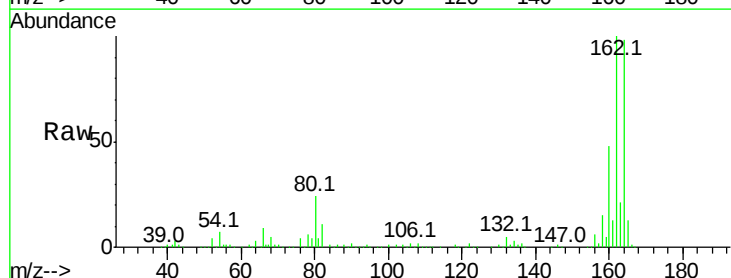
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

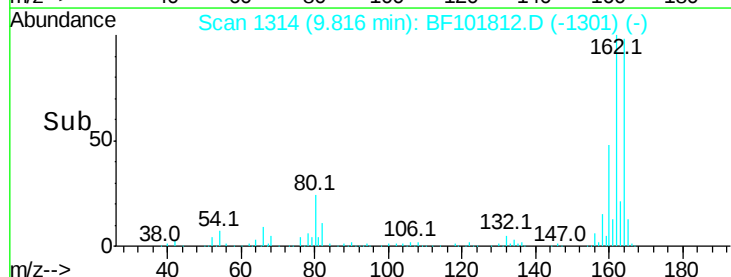
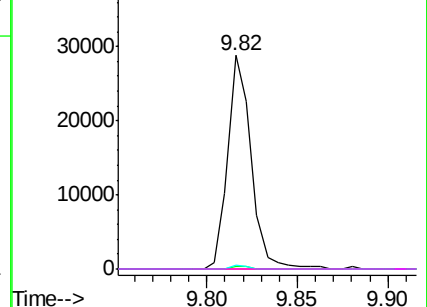


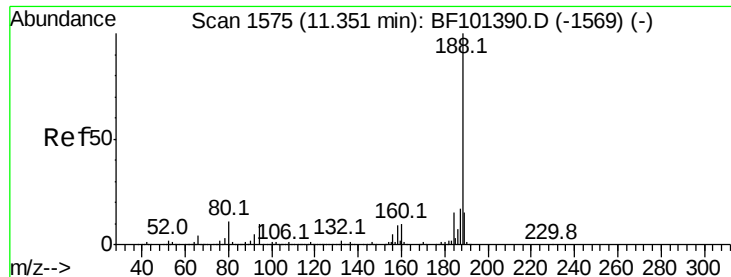
Abundance Ion 165.00 (164.70 to 165.70): E

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

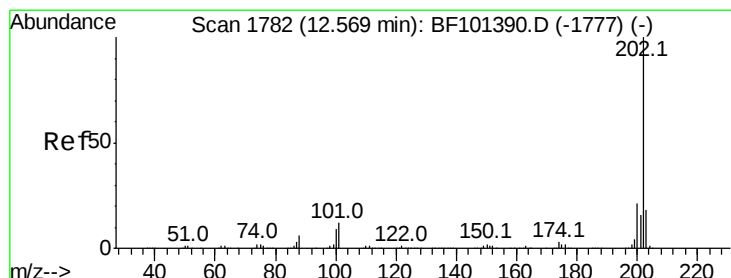
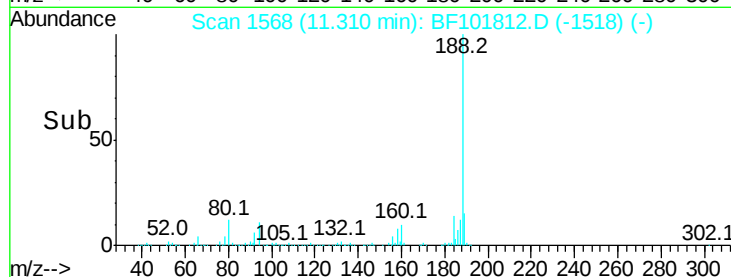
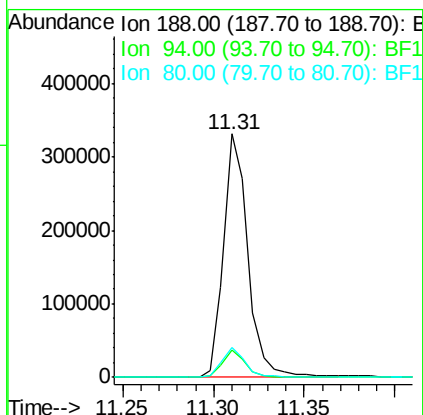
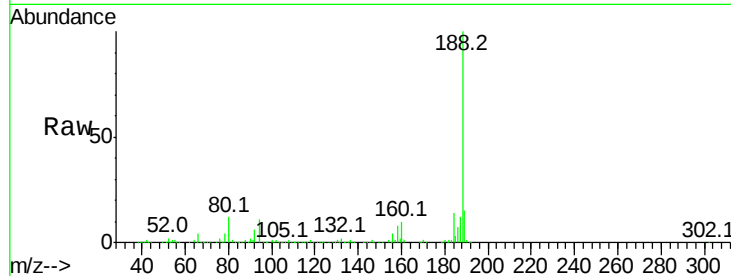




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101812.D
Acq: 28 Dec 2017 19:39

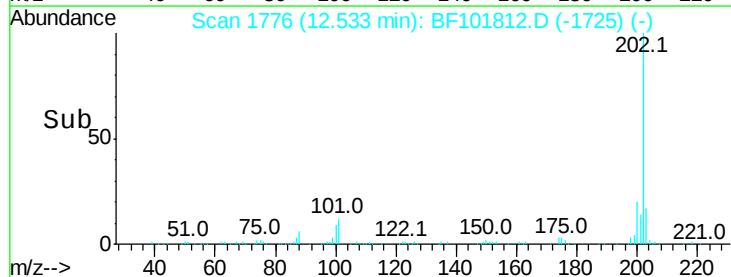
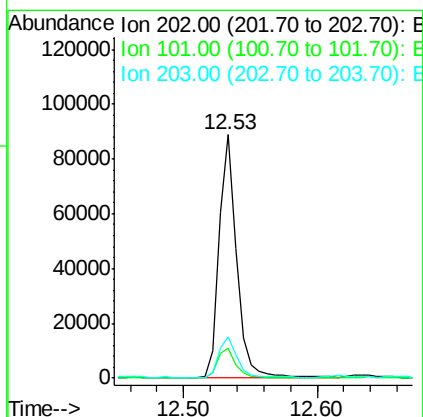
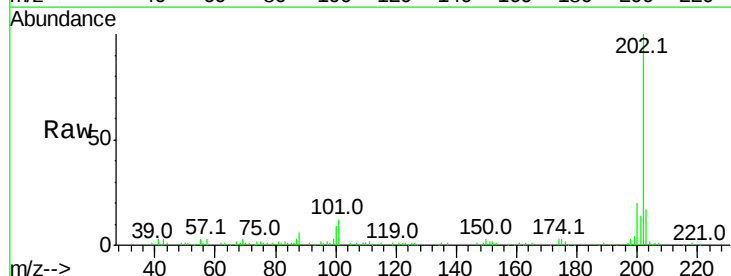
Instrument :
BNA_F
ClientSampleId :

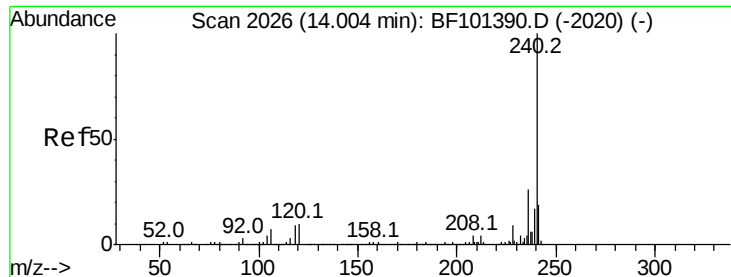
Tot Ion:188 Resp: 312192
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.3 9.2 13.8



#74
Fluoranthene
Concen: 4.600 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.00 min
Lab File: BF101812.D
Acq: 28 Dec 2017 19:39

Tgt Ion:202 Resp: 83834
Ion Ratio Lower Upper
202 100
101 12.2 0.0 34.1
203 17.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Instrument :

BNA_F

ClientSampleId :

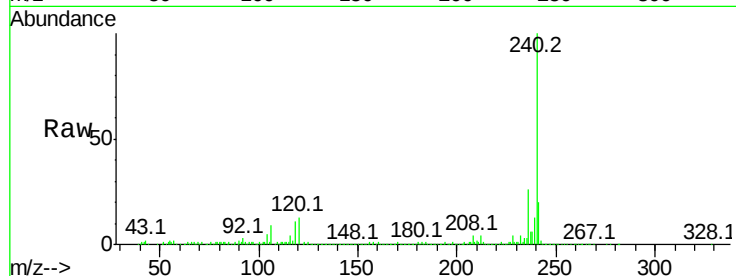
Tot Ion:240 Resp: 312188

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

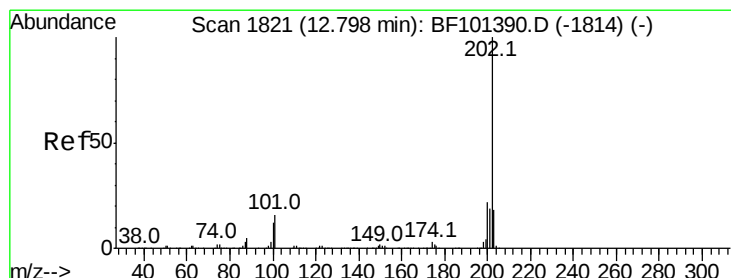
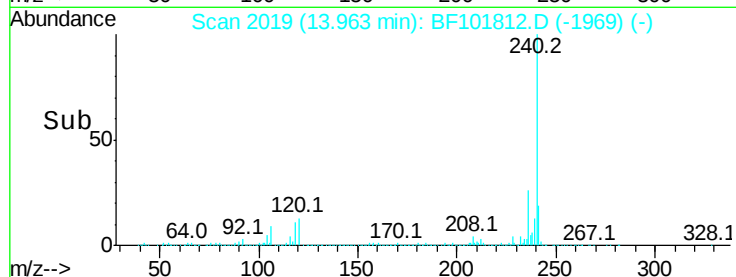
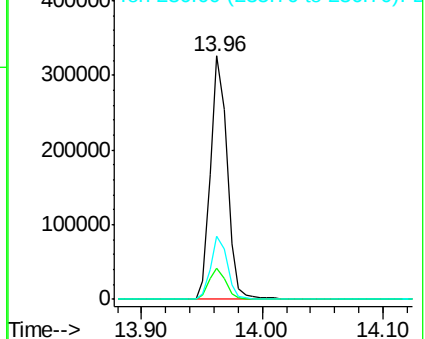
236 25.9 20.7 31.1



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

Pyrene

Concen: 3.470 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

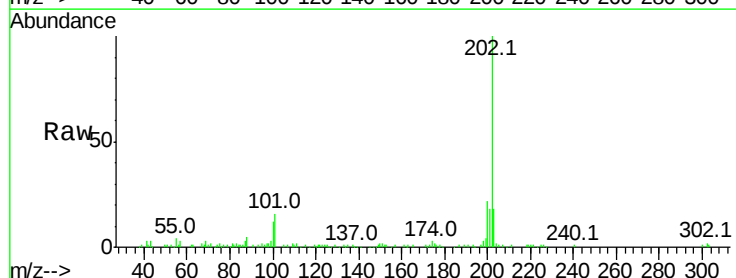
Tgt Ion:202 Resp: 81296

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

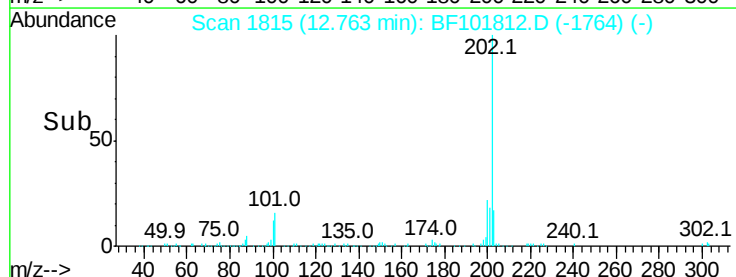
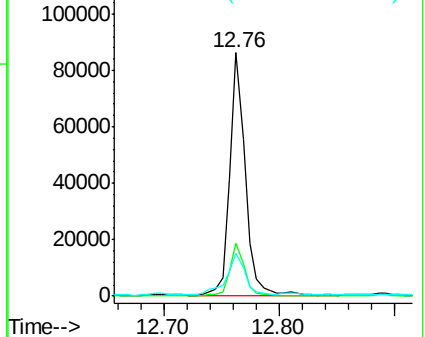
203 17.7 14.3 21.5

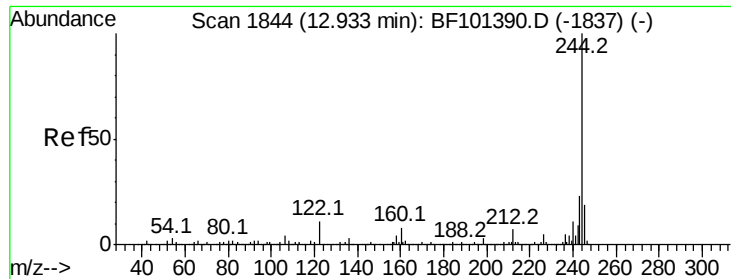


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.618 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Instrument :

BNA_F

ClientSampleId :

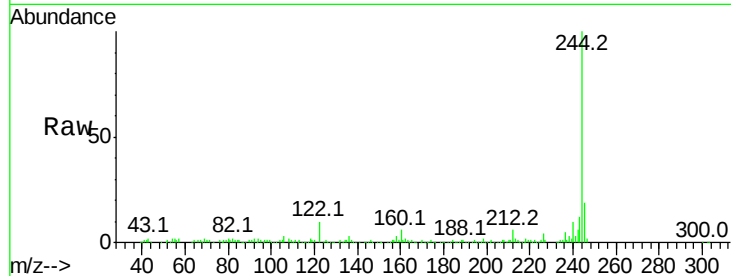
Tot Ion:244 Resp: 163397

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

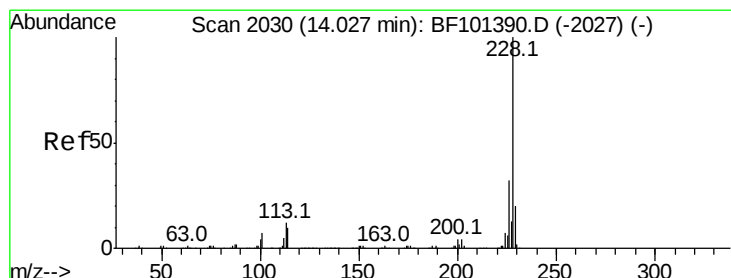
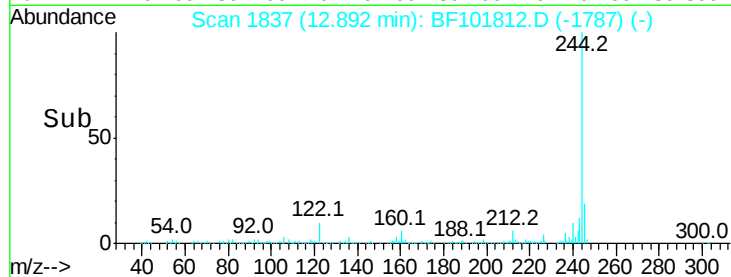
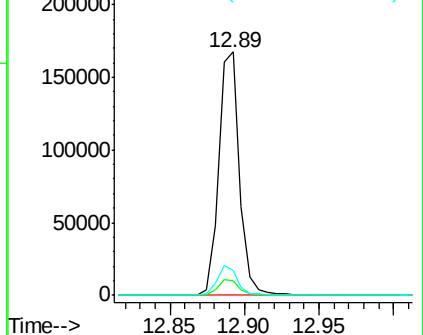
122 10.2 11.0 16.4#



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



#82

Chrysene

Concen: 2.166 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

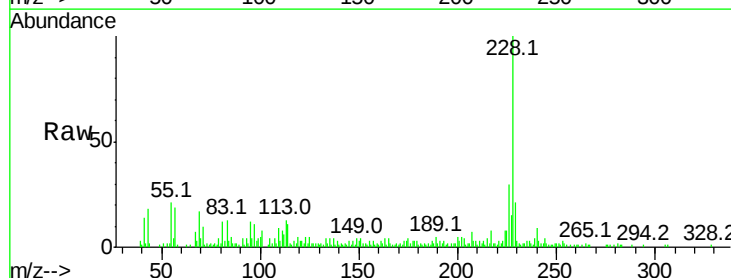
Tgt Ion:228 Resp: 42158

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

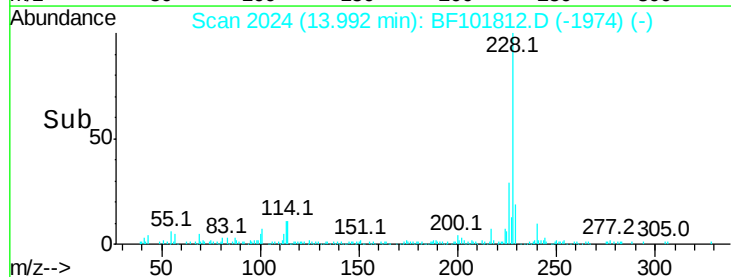
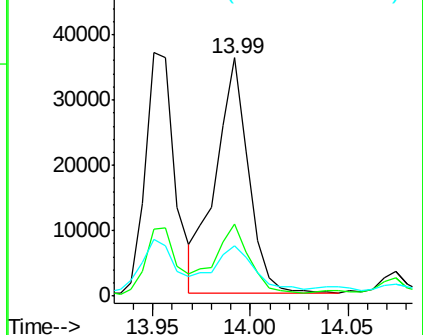
229 21.1 16.2 24.4

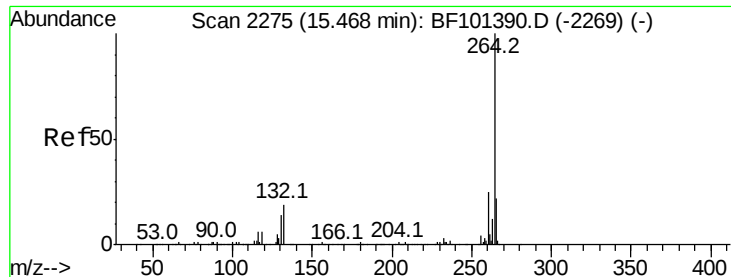


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

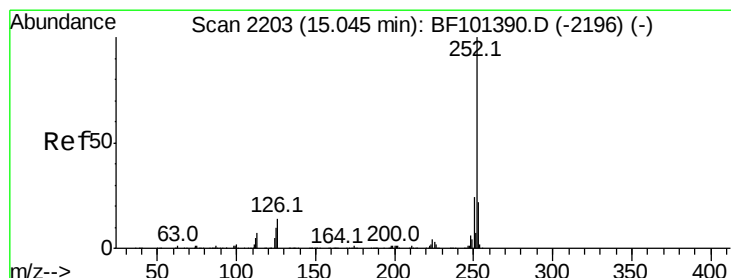
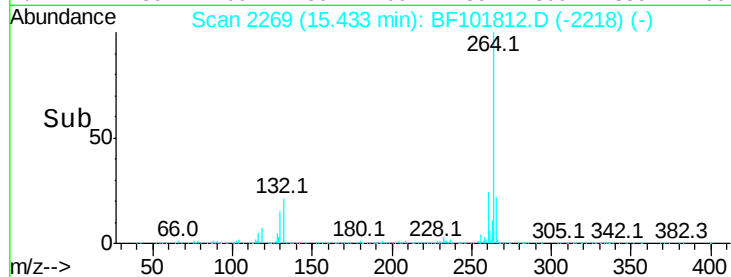
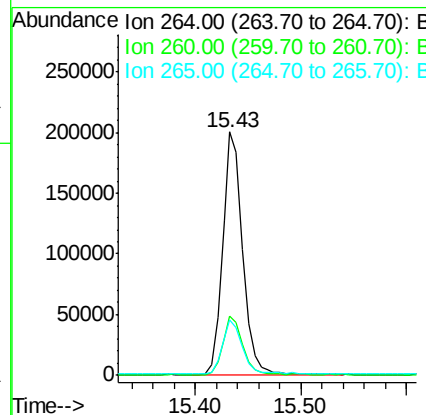
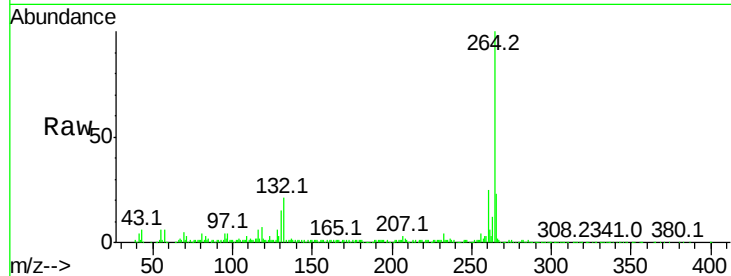




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101812.D
Acq: 28 Dec 2017 19:39

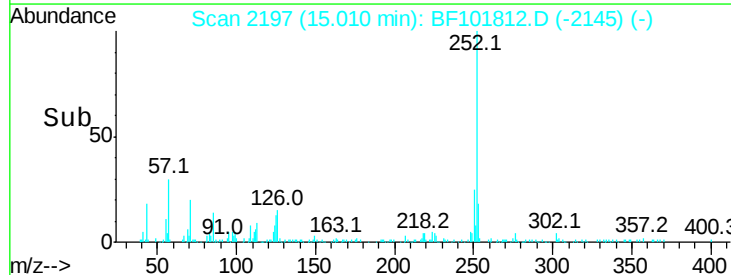
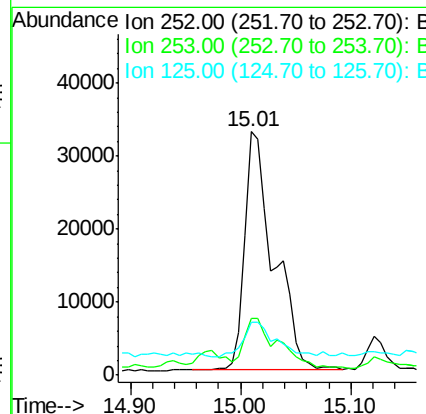
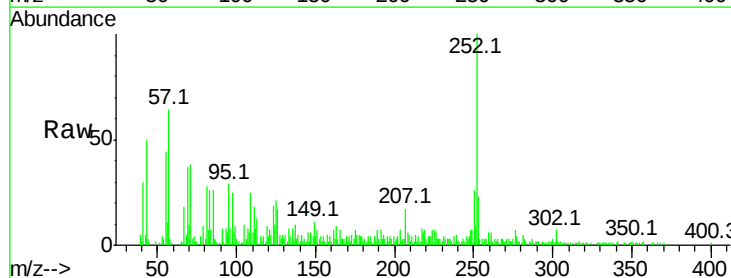
Instrument :
BNA_F
ClientSampled :

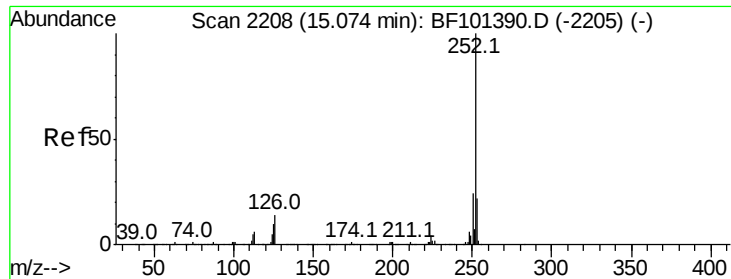
Tot Ion:264 Resp: 265215
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.754 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101812.D
Acq: 28 Dec 2017 19:39

Tgt Ion:252 Resp: 60681
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 21.5 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 3.861 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Instrument :

BNA_F

ClientSampleId :

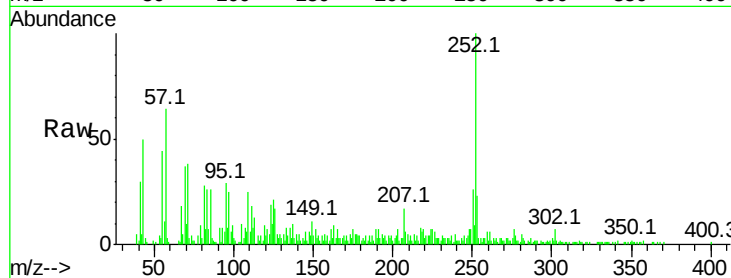
Tot Ion:252 Resp: 60681

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 21.5 10.2 15.2#



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

