

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101803.D
 Acq On : 28 Dec 2017 15:37
 Operator : SJ/JU
 Sample : I6970-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 16:25:07 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

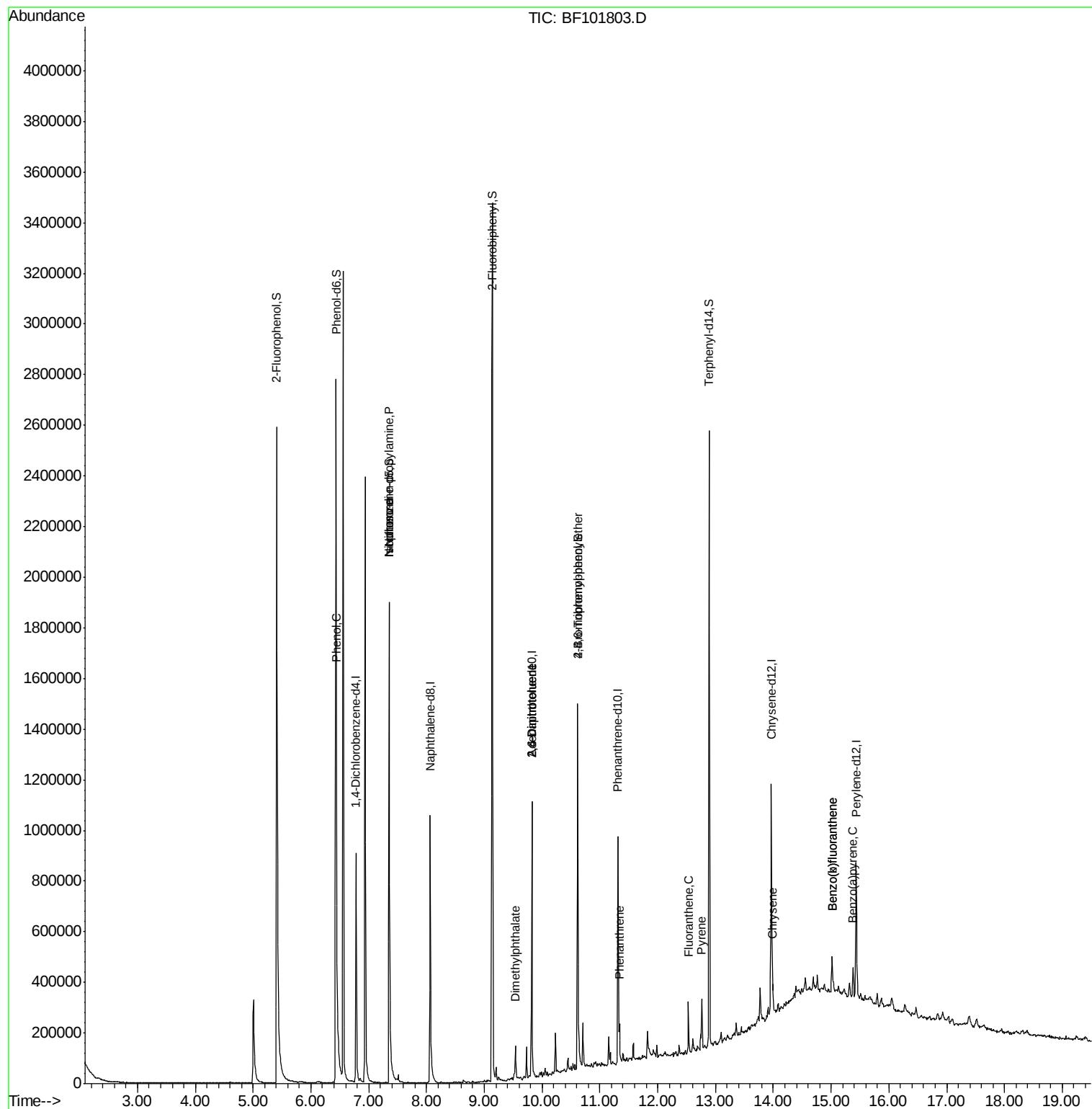
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	151428	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	572269	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	222790	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	348647	20.00	ng	0.00
75) Chrysene-d12	13.96	240	309874	20.00	ng	0.00
86) Perylene-d12	15.44	264	295179	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1011102	99.46	ng	0.00
7) Phenol-d6	6.43	99	1207332	95.43	ng	0.00
23) Nitrobenzene-d5	7.36	82	743312	72.30	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	199489	92.93	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1160347	80.79	ng	0.00
78) Terphenyl-d14	12.89	244	837992	65.19	ng	0.00
Target Compounds						
10) Phenol	6.45	94	60991	4.230	ng	Qvalue 80
19) n-Nitroso-di-n-propylamine	7.36	70	96263	11.586	ng	# 81
25) Isophorone	7.36	82	743312	36.042	ng	# 64
49) Dimethylphthalate	9.54	163	60991	3.403	ng	# 97
50) 2,6-Dinitrotoluene	9.82	165	28950	7.949	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	28950	7.055	ng	# 24
66) 4-Bromophenyl-phenylether	10.62	248	12169	3.106	ng	# 1
70) Phenanthrene	11.34	178	53555	2.762	ng	98
74) Fluoranthene	12.53	202	83547	4.105	ng	98
77) Pyrene	12.76	202	84538	3.635	ng	98
82) Chrysene	13.99	228	39313	2.035	ng	98
87) Benzo(b)fluoranthene	15.02	252	63124	3.508	ng	# 88
88) Benzo(k)fluoranthene	15.02	252	63124	3.609	ng	# 91
89) Benzo(a)pyrene	15.38	252	34059	2.053	ng	# 85

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

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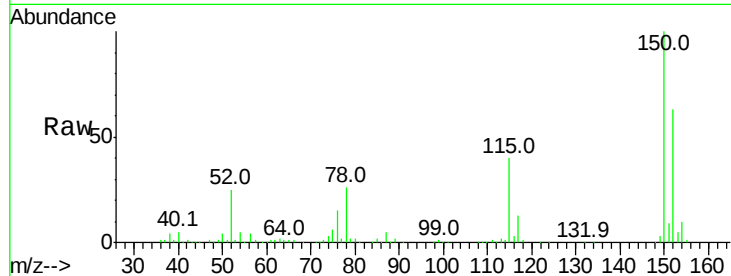


#1

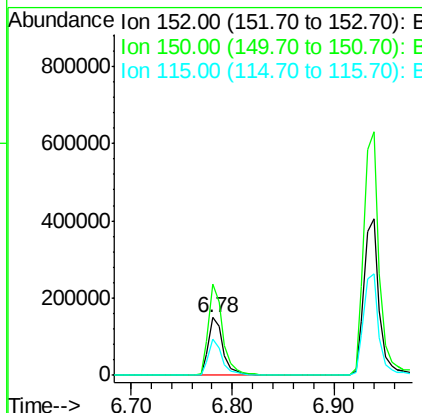
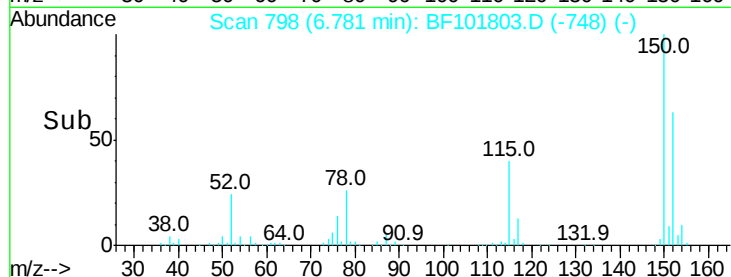
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151428
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 62.8 50.1 75.1



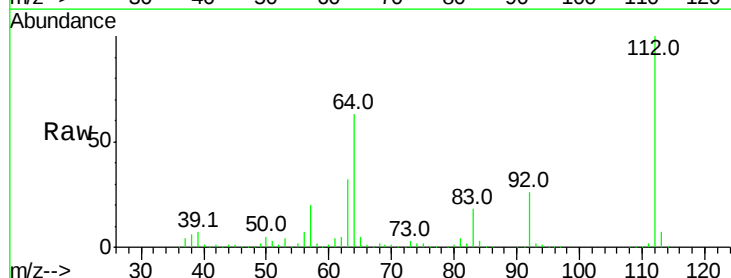
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



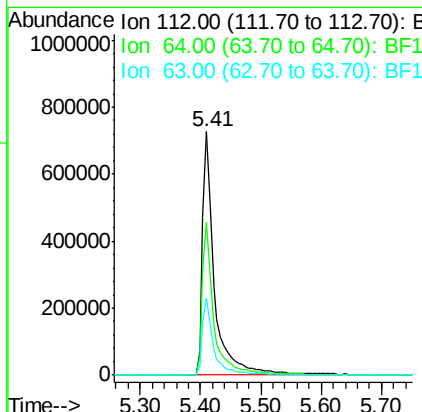
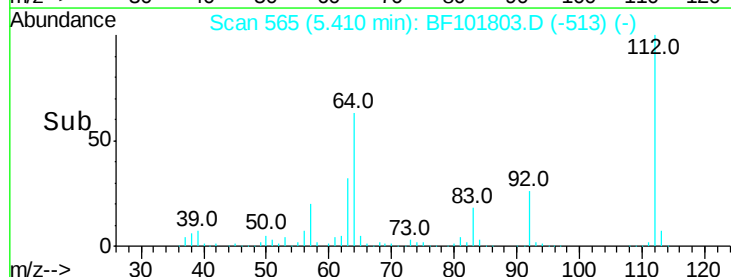
#5

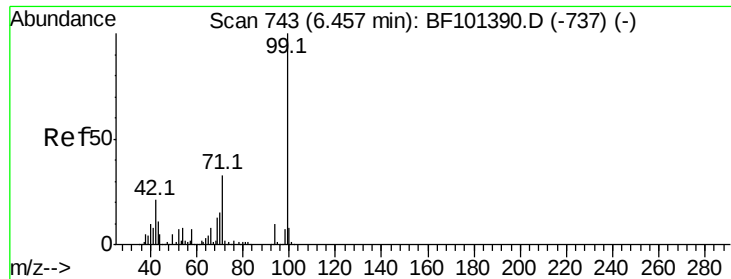
2-Fluorophenol
Concen: 99.461 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Tgt Ion:112 Resp: 1011102
Ion Ratio Lower Upper
112 100
64 62.6 47.9 71.9
63 31.8 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: 95.428 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

Instrument :

BNA_F

ClientSampleId :

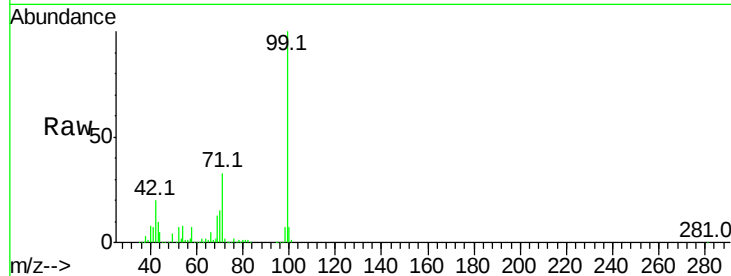
Tot Ion: 99 Resp: 1207332

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

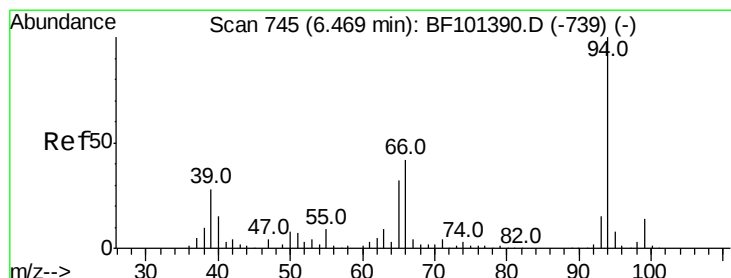
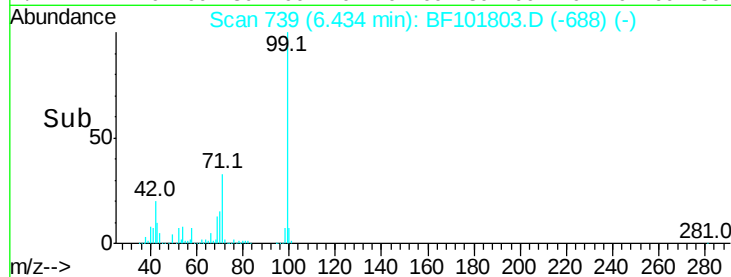
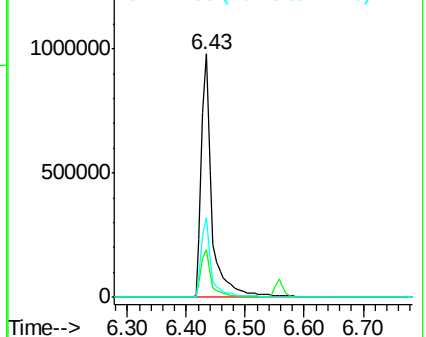
71 32.9 25.4 38.0



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



#10

Phenol

Concen: 4.230 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

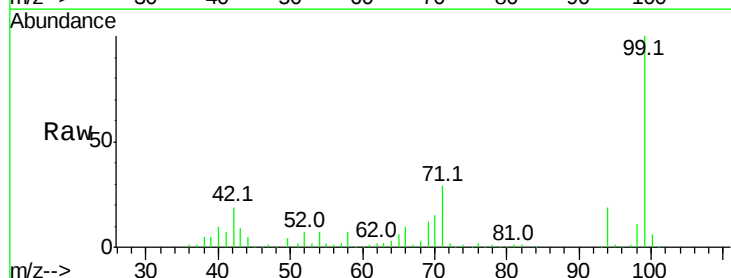
Tgt Ion: 94 Resp: 60991

Ion Ratio Lower Upper

94 100

65 32.1 7.9 47.9

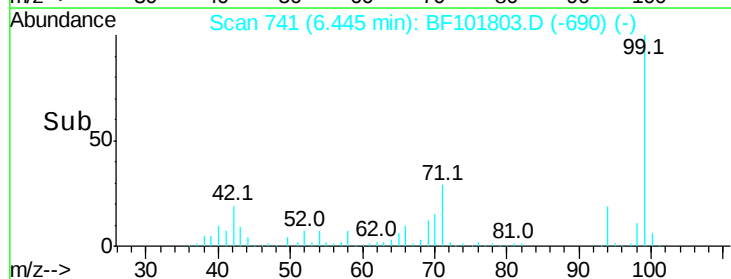
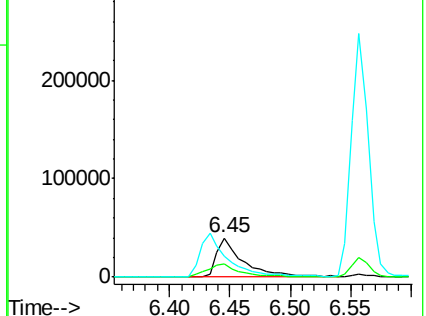
66 53.8 16.2 56.2

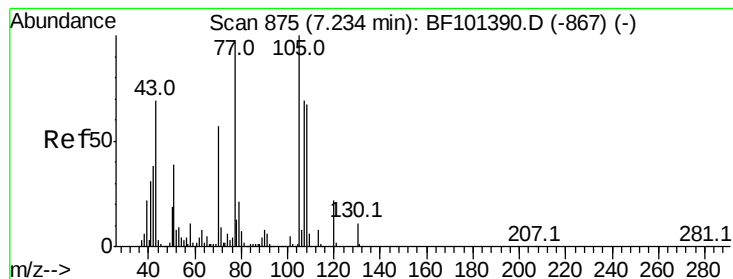


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.586 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 96263

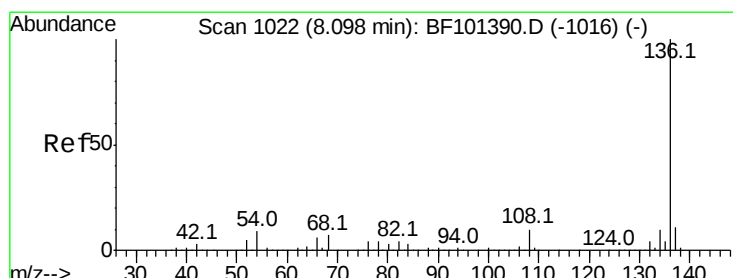
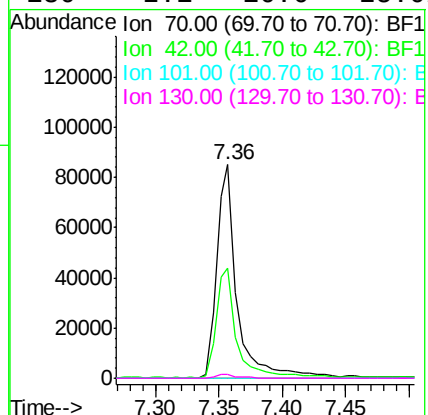
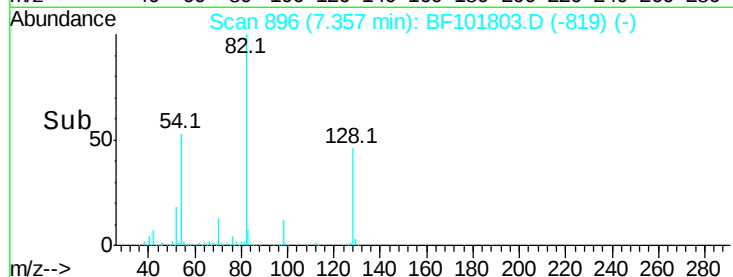
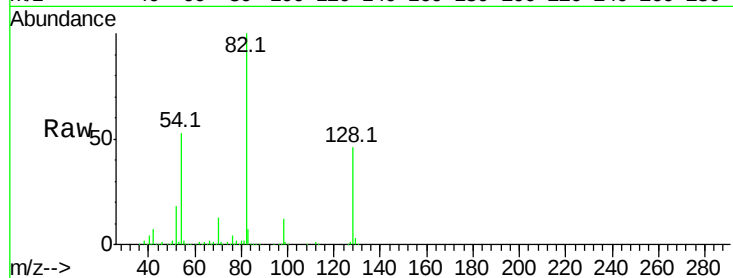
Ion Ratio Lower Upper

70 100

42 51.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 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: BF101803.D

Acq: 28 Dec 2017 15:37

Tgt Ion: 136 Resp: 572269

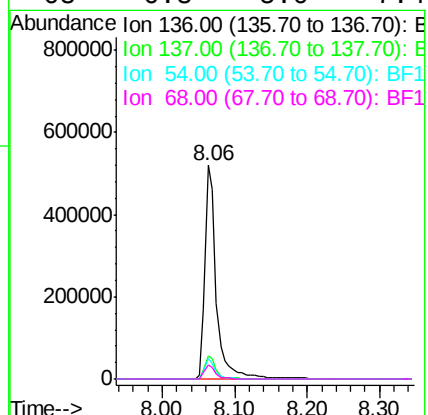
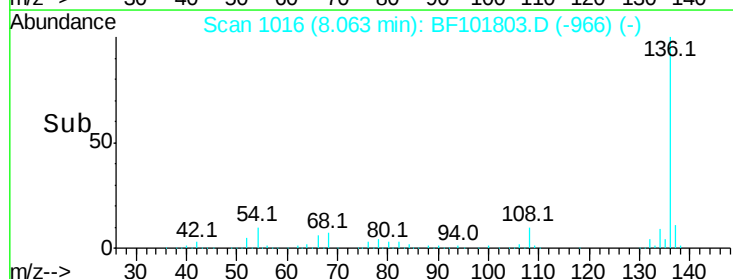
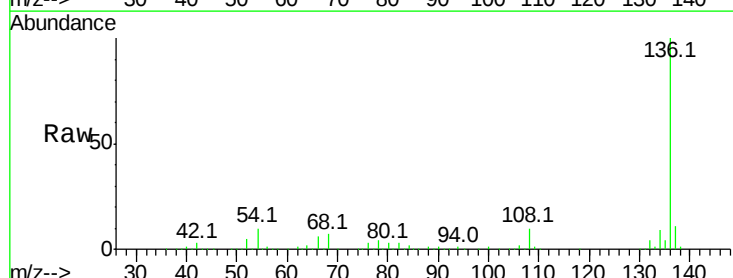
Ion Ratio Lower Upper

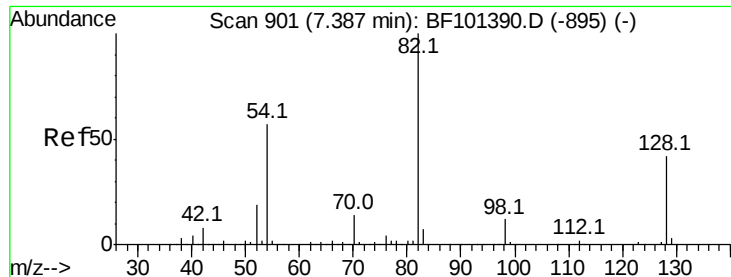
136 100

137 11.0 8.9 13.3

54 9.5 6.6 9.8

68 6.8 5.0 7.4

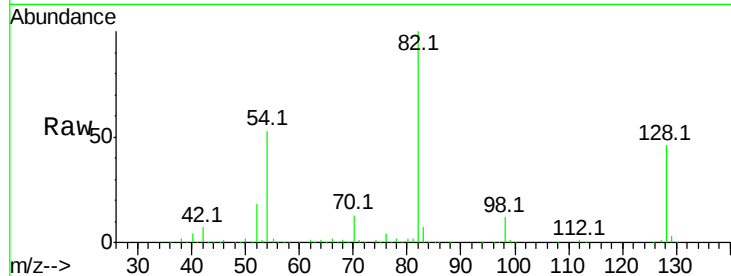




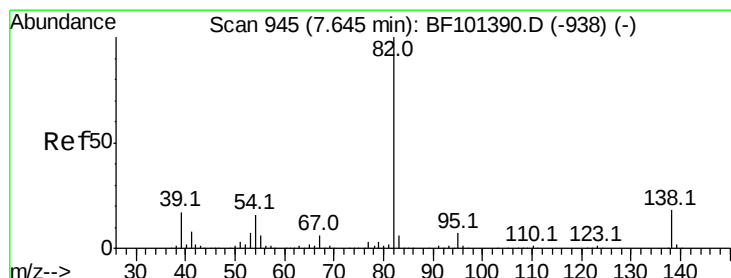
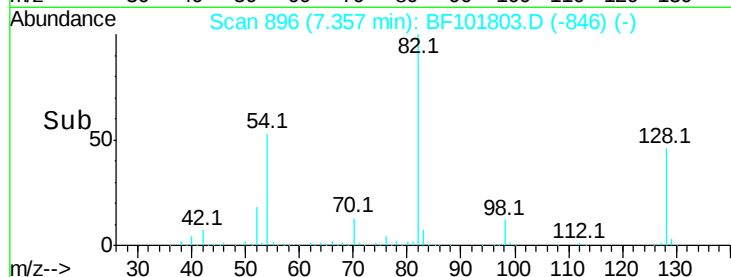
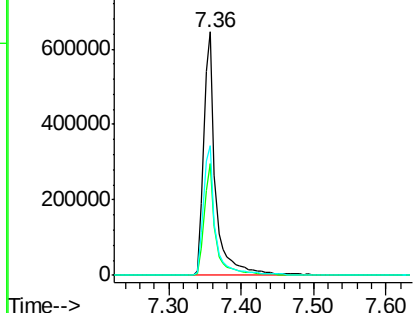
#23
 Nitrobenzene-d5
 Concen: 72.303 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF101803.D
 Acq: 28 Dec 2017 15:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 743312
 Ion Ratio Lower Upper
 82 100
 128 45.8 36.1 54.1
 54 53.4 41.4 62.2

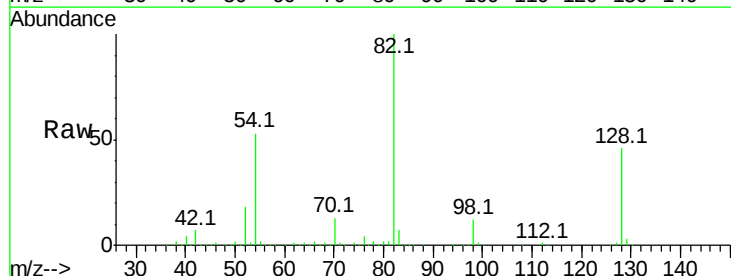


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

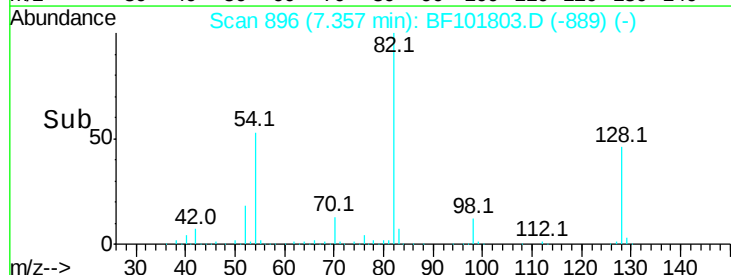
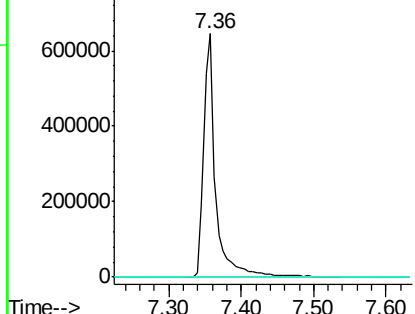


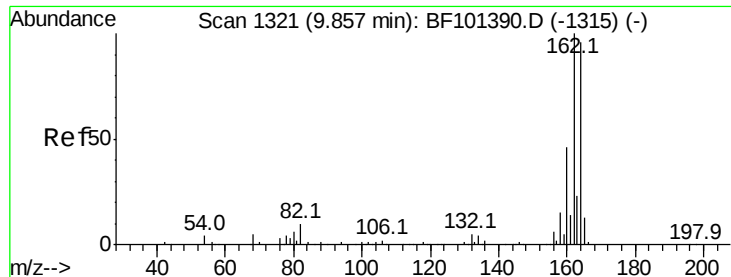
#25
 Isophorone
 Concen: 36.042 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF101803.D
 Acq: 28 Dec 2017 15:37

Tgt Ion: 82 Resp: 743312
 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: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

Instrument :

BNA_F

ClientSampleId :

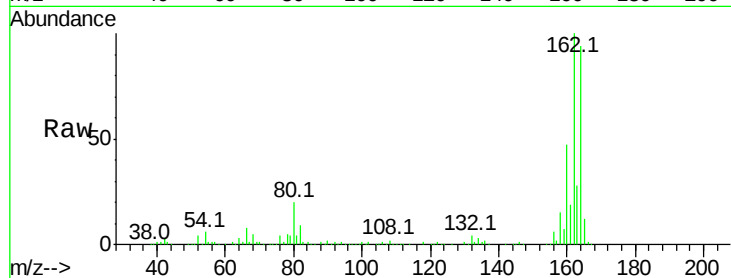
Tot Ion:164 Resp: 222790

Ion Ratio Lower Upper

164 100

162 105.9 86.1 129.1

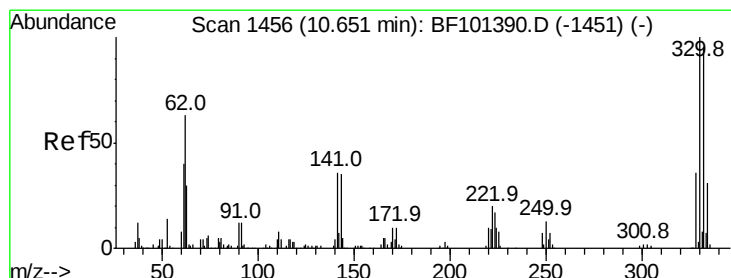
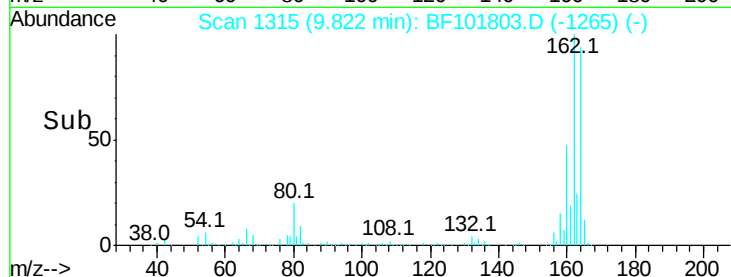
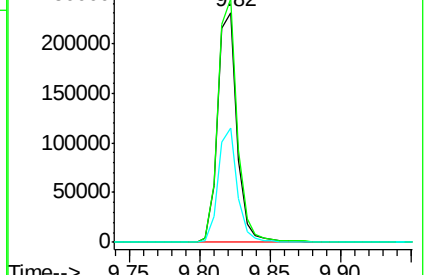
160 49.6 38.3 57.5



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: 92.926 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

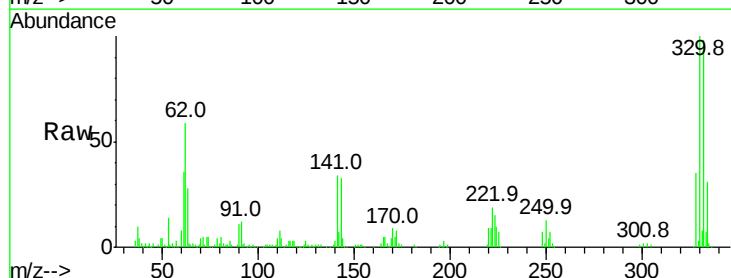
Tgt Ion:330 Resp: 199489

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

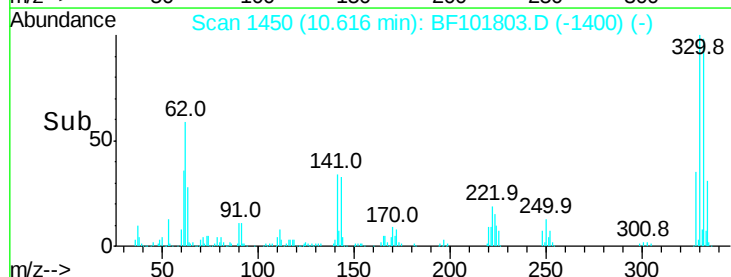
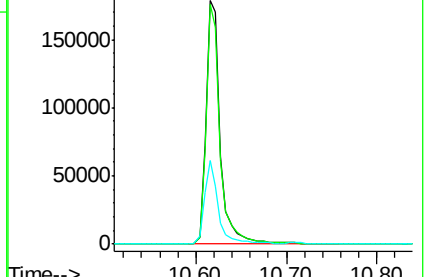
141 33.0 29.9 44.9

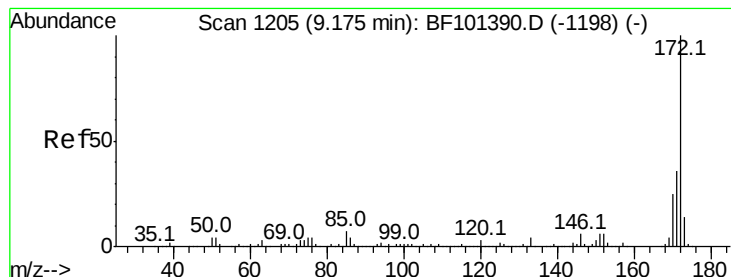


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 80.793 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

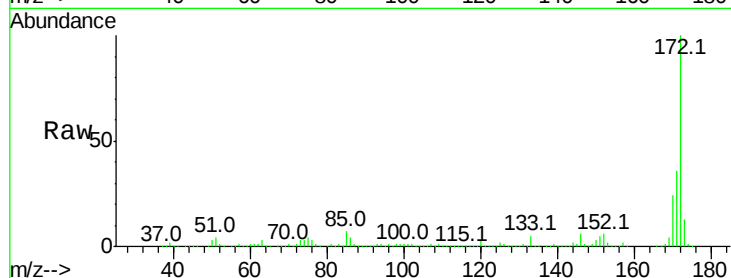
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1160347

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.5	19.6	29.4

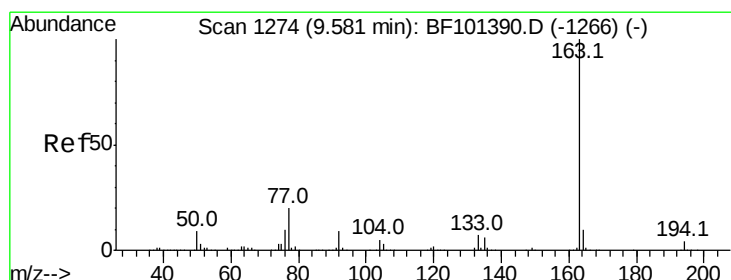
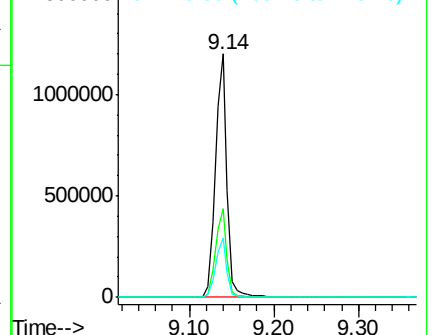
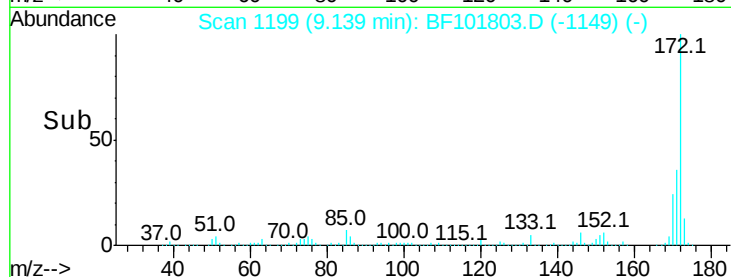


Abundance

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: 3.403 ng

RT: 9.54 min Scan# 1267

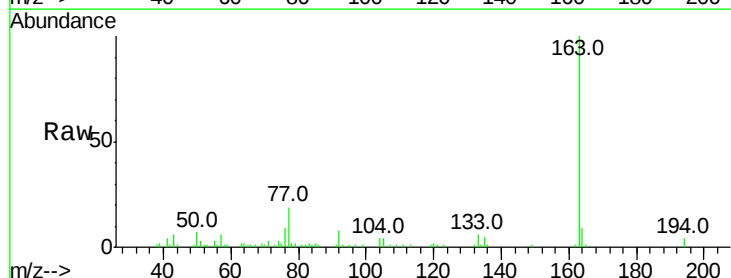
Delta R.T. -0.01 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

Tgt Ion:163 Resp: 60991

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	9.2	8.2	12.2

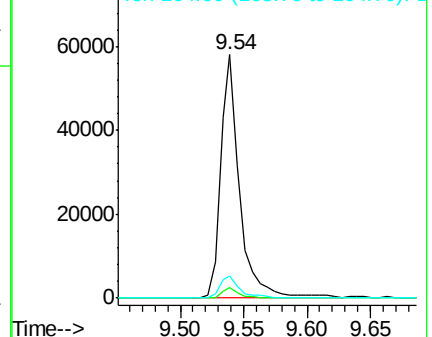
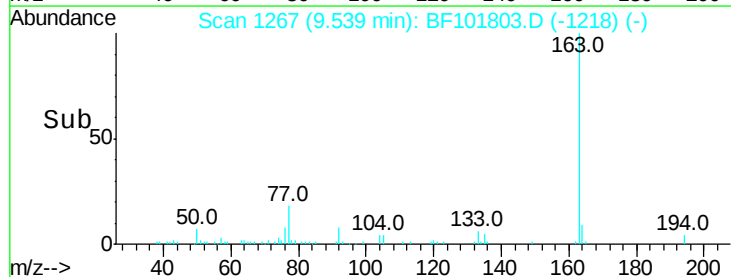


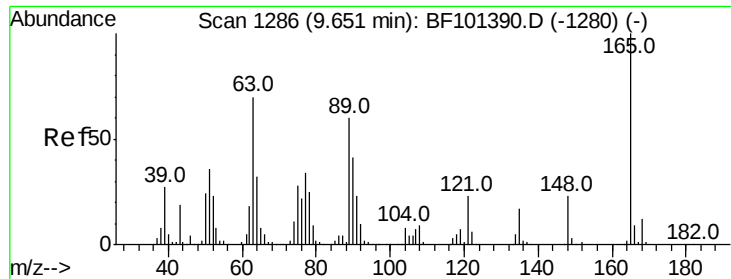
Abundance

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

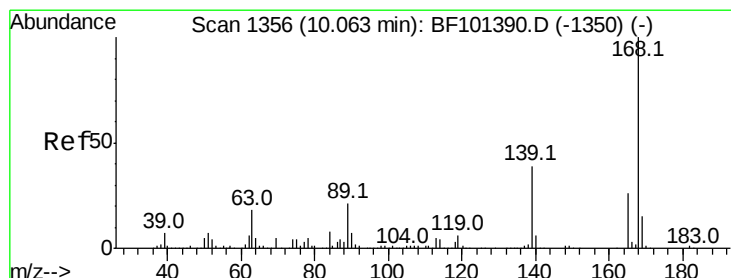
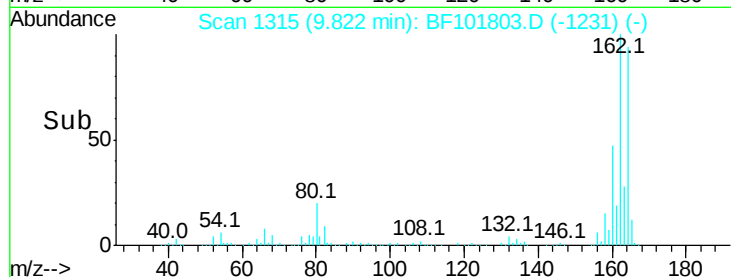
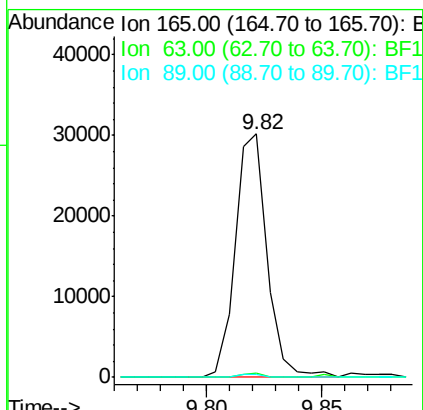
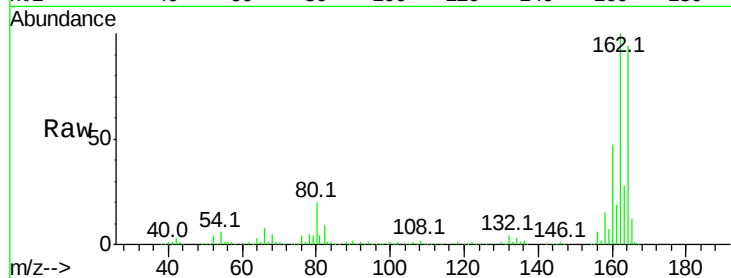




#50
 2,6-Dinitrotoluene
 Concen: 7.949 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101803.D
 Acq: 28 Dec 2017 15:37

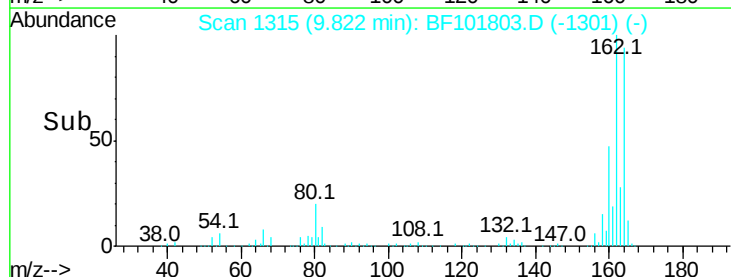
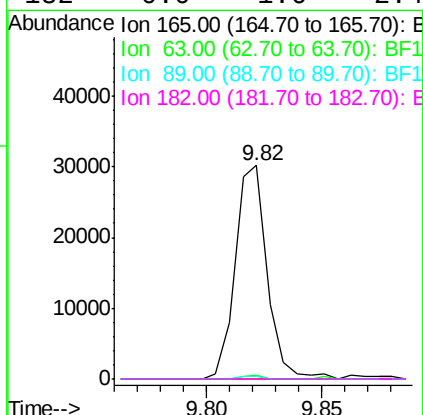
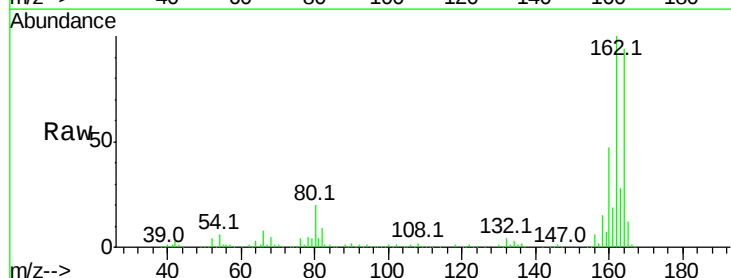
Instrument :
 BNA_F
 ClientSampleId :

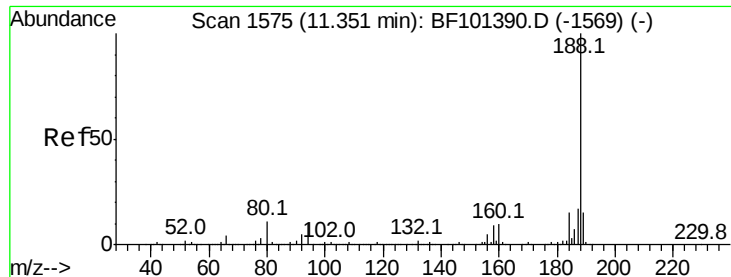
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.055 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101803.D
 Acq: 28 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

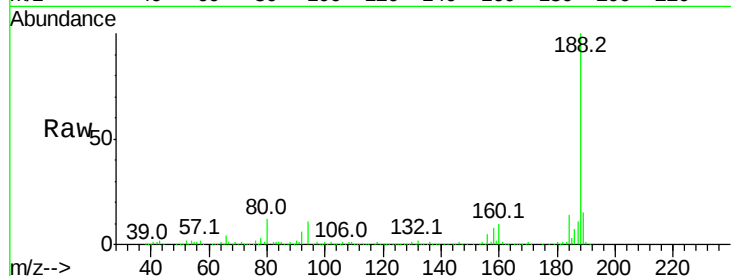




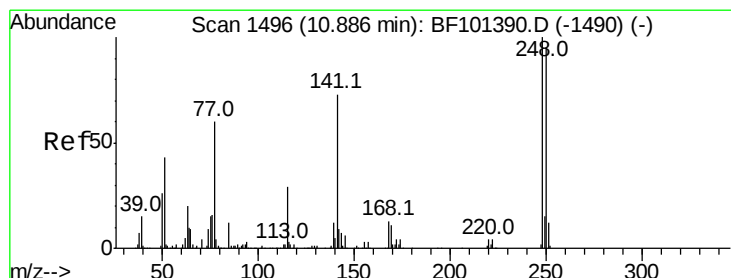
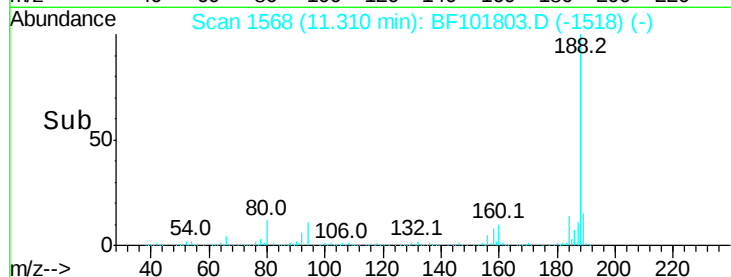
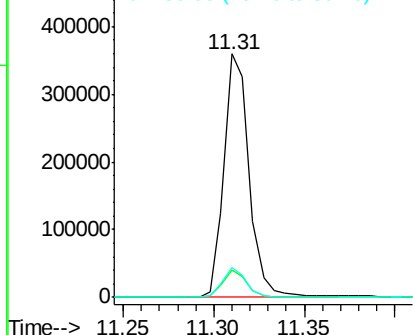
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 348647
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.2 9.2 13.8

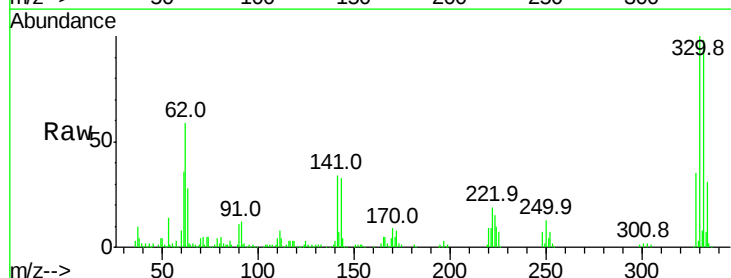


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

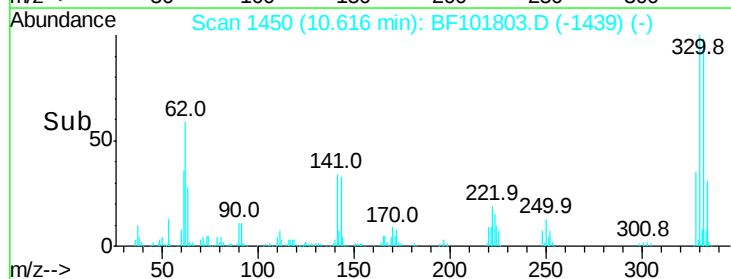
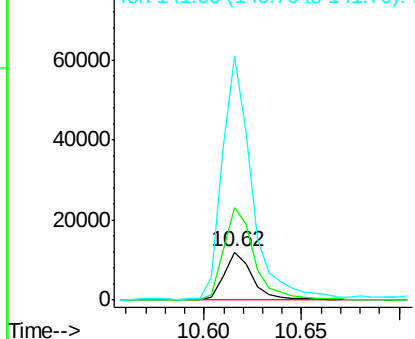


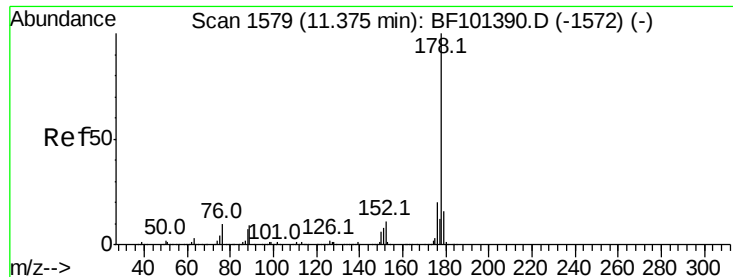
#66
4-Bromophenyl-phenylether
Concen: 3.106 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Tgt Ion:248 Resp: 12169
Ion Ratio Lower Upper
248 100
250 191.5 76.9 115.3#
141 505.8 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

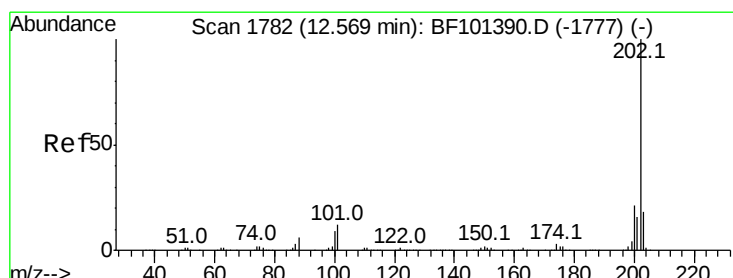
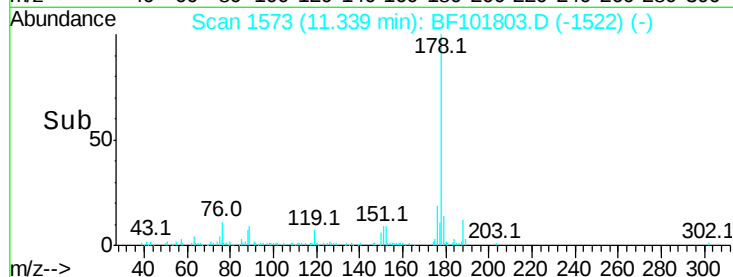
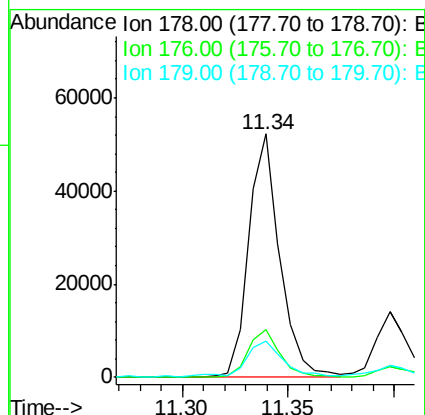
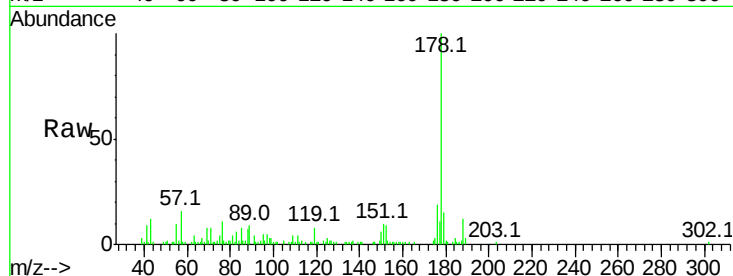




#70
Phenanthrene
Concen: 2.762 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

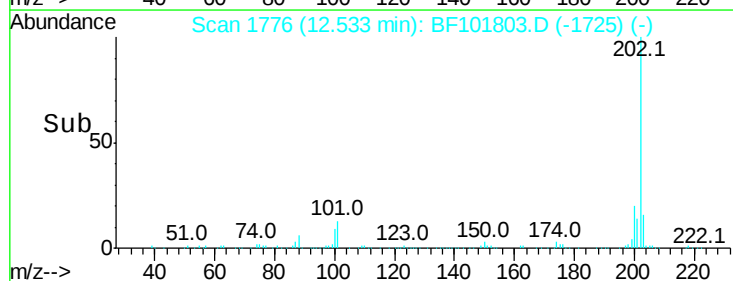
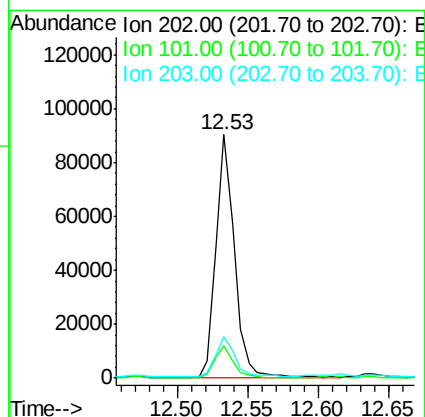
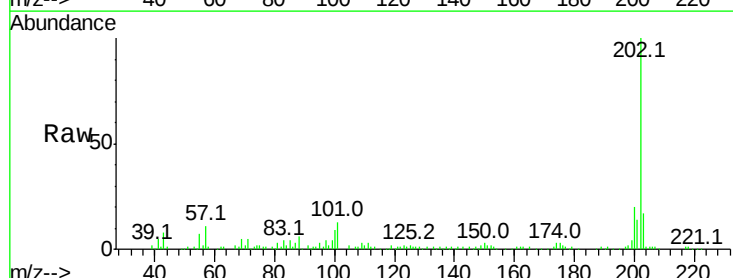
Instrument :
BNA_F
ClientSampleId :

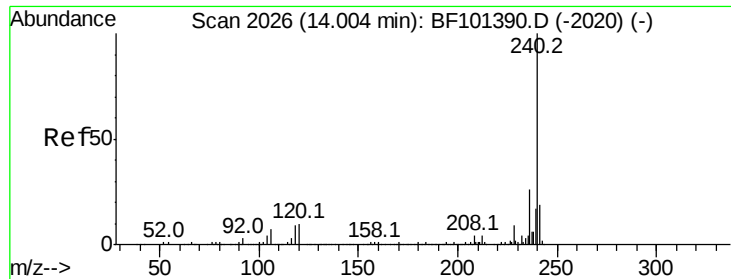
Tot Ion:178 Resp: 53555
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.0 13.0 19.6



#74
Fluoranthene
Concen: 4.105 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.00 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Tgt Ion:202 Resp: 83547
Ion Ratio Lower Upper
202 100
101 13.1 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: BF101803.D

Acq: 28 Dec 2017 15:37

Instrument :

BNA_F

ClientSampleId :

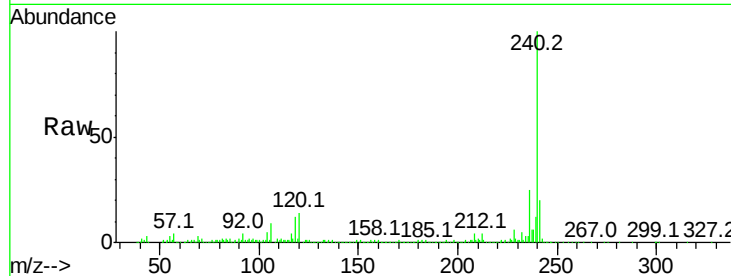
Tot Ion:240 Resp: 309874

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

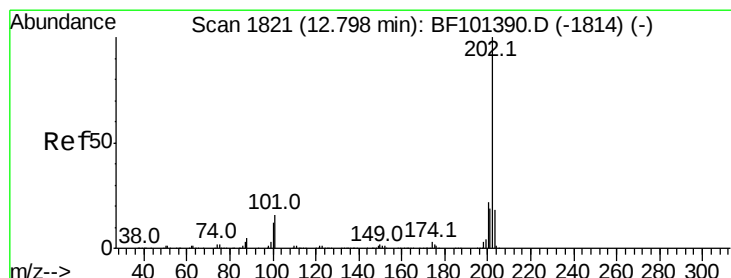
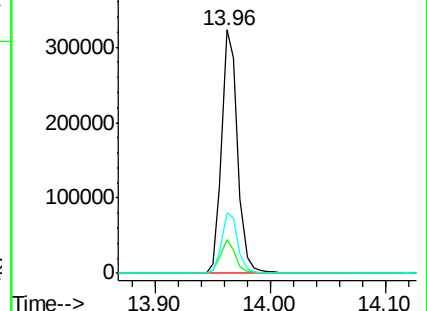
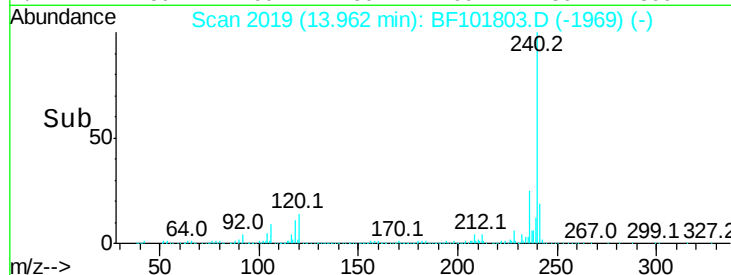
236 25.1 20.7 31.1



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: 3.635 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

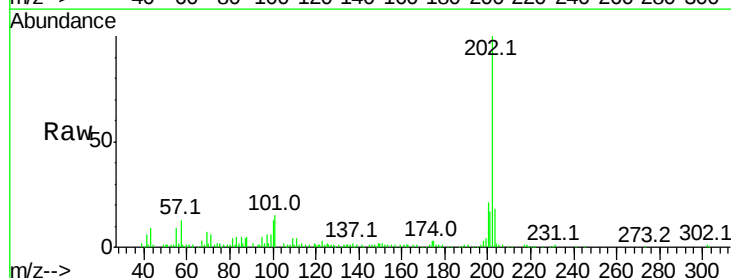
Tgt Ion:202 Resp: 84538

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

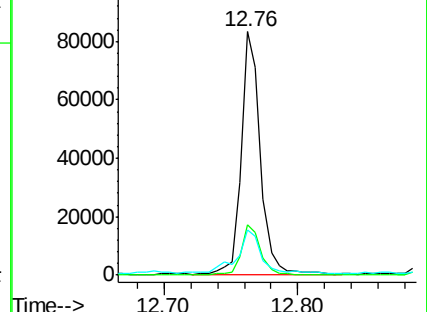
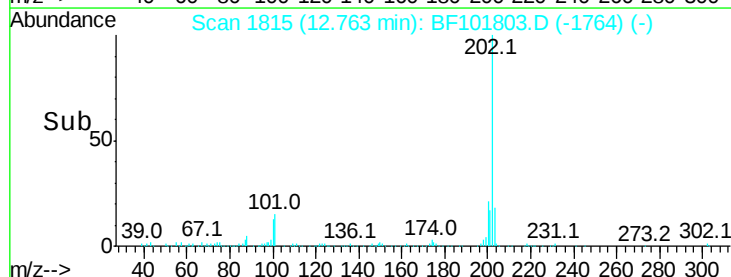
203 18.4 14.3 21.5

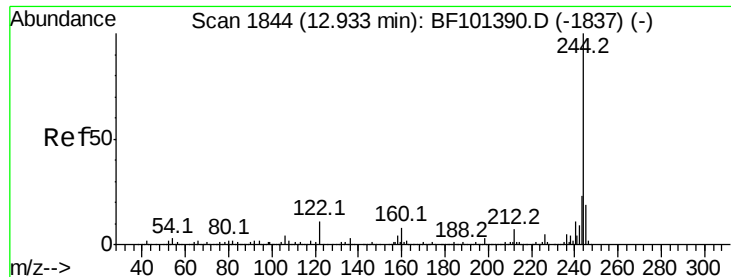


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.194 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

Instrument :

BNA_F

ClientSampleId :

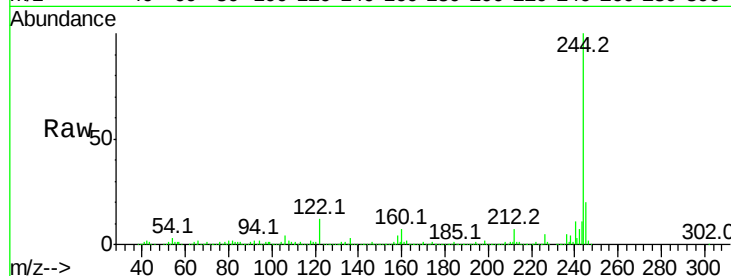
Tot Ion:244 Resp: 837992

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

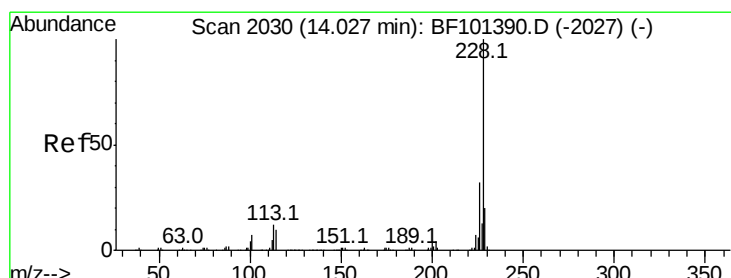
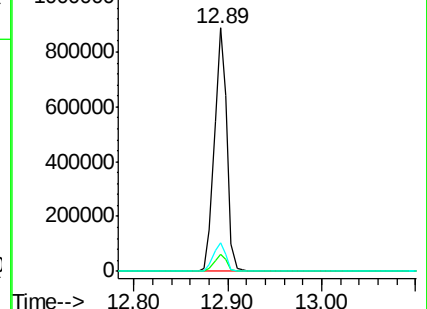
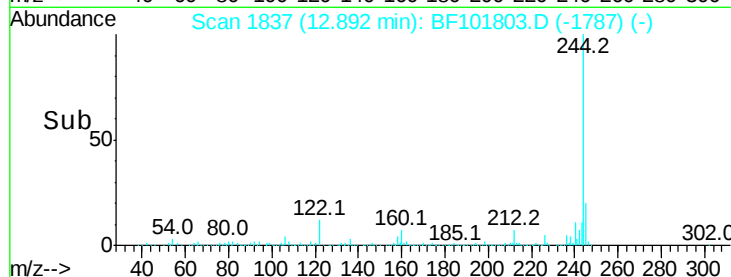
122 11.8 11.0 16.4



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: 2.035 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

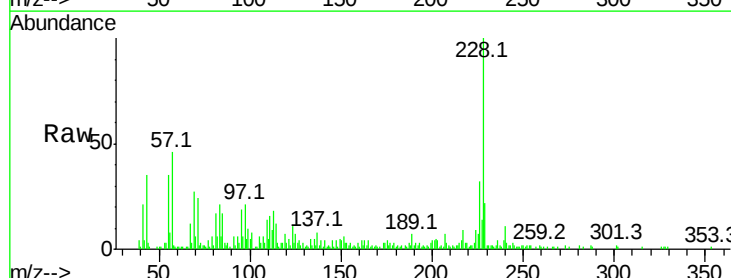
Tgt Ion:228 Resp: 39313

Ion Ratio Lower Upper

228 100

226 32.4 25.0 37.6

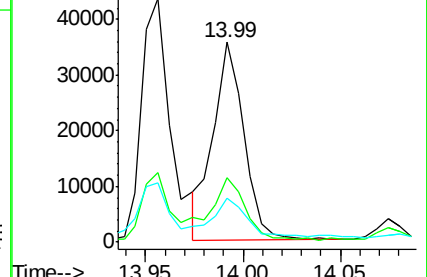
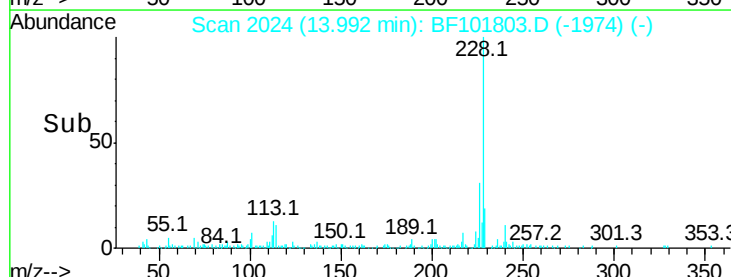
229 21.7 16.2 24.4

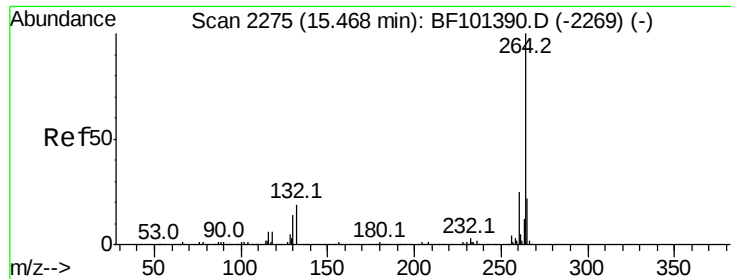


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

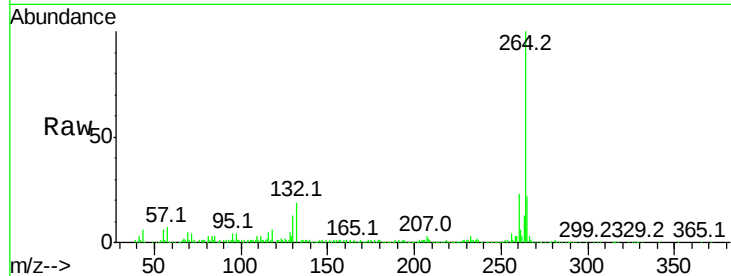




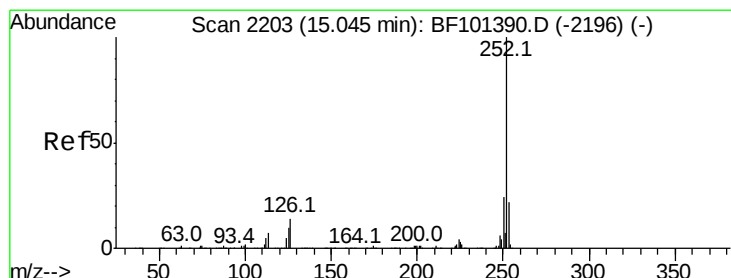
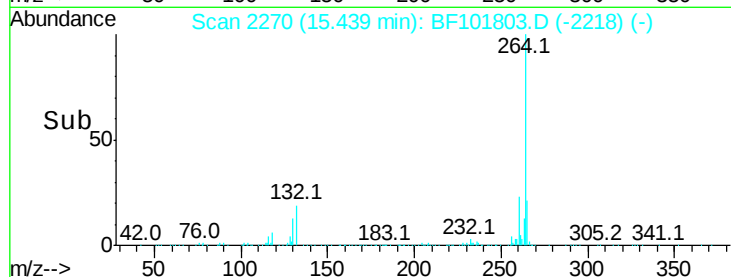
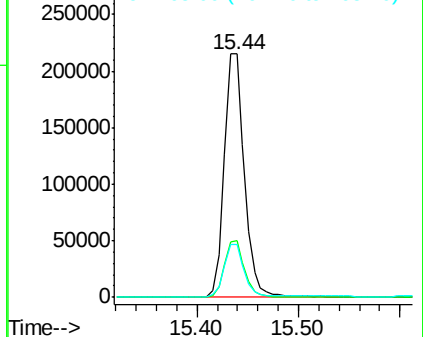
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.6	17.5	26.3

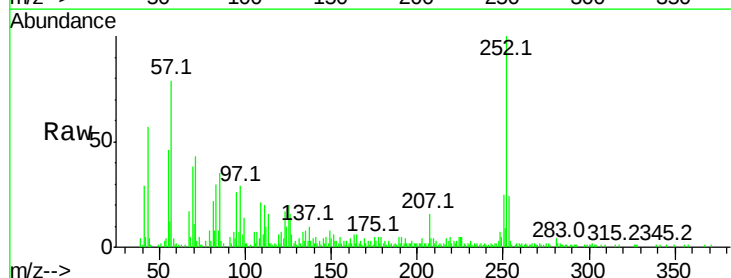


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

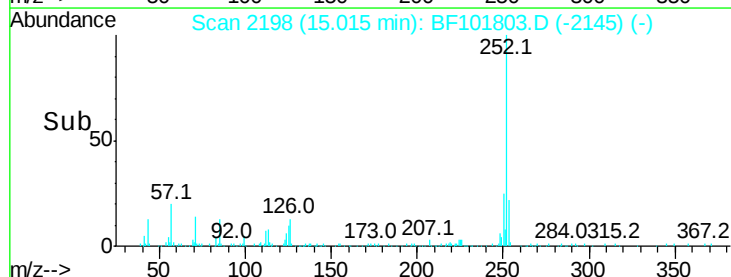
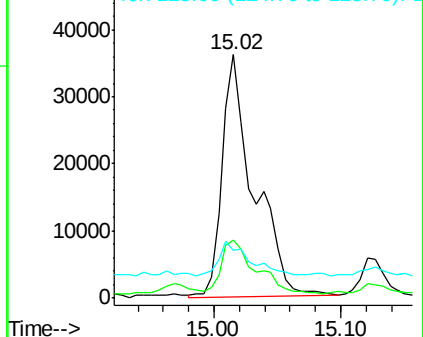


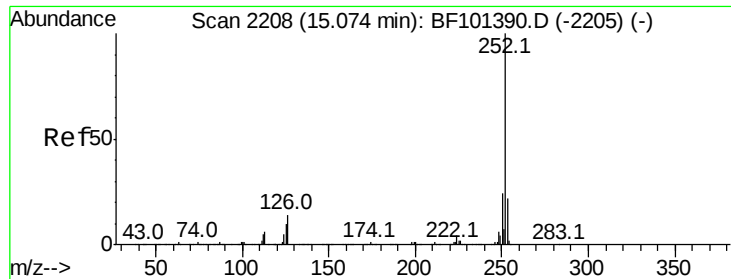
#87
Benzo(b)fluoranthene
Concen: 3.508 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	19.8	9.0	13.6



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

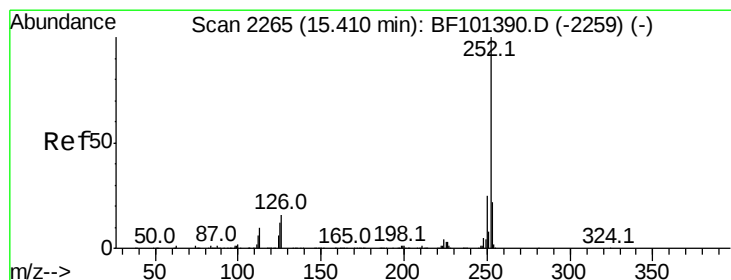
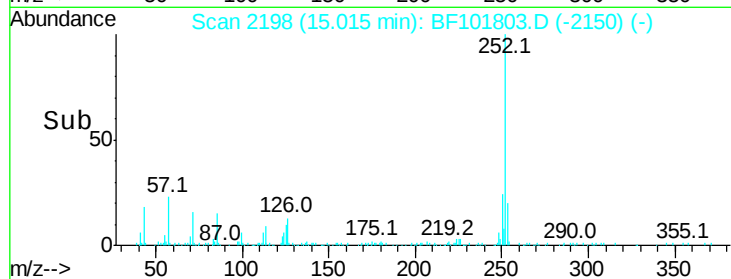
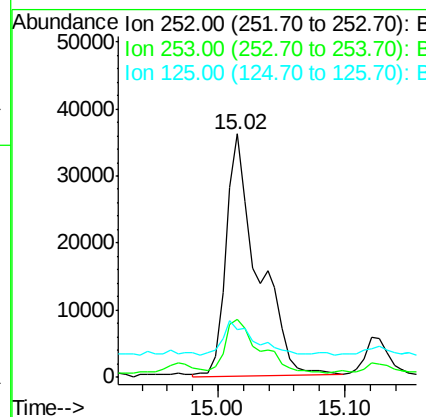
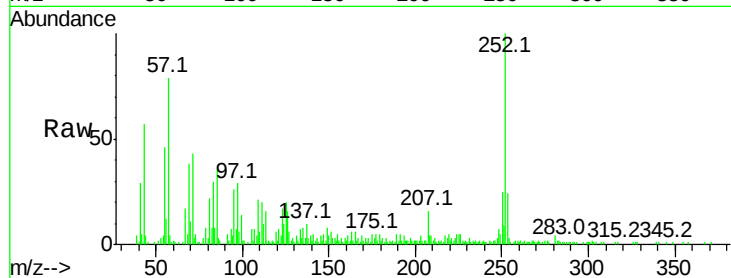




#88
Benzo(k)fluoranthene
Concen: 3.609 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	19.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.053 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	25.7	9.8	14.6

