

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101148.D
 Acq On : 6 Dec 2017 2:53
 Operator : SJ/JU
 Sample : I6702-07
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 06 04:12:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	58187	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	226747	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	100485	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	180684	20.00	ng	0.00
75) Chrysene-d12	14.02	240	114245	20.00	ng	0.00
86) Perylene-d12	15.49	264	121653	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	392850	111.56	ng	0.01
7) Phenol-d6	6.49	99	467976	109.46	ng	0.00
23) Nitrobenzene-d5	7.42	82	291027	76.56	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	119696	99.16	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	600924	81.82	ng	0.00
78) Terphenyl-d14	12.96	244	473300	90.62	ng	0.00

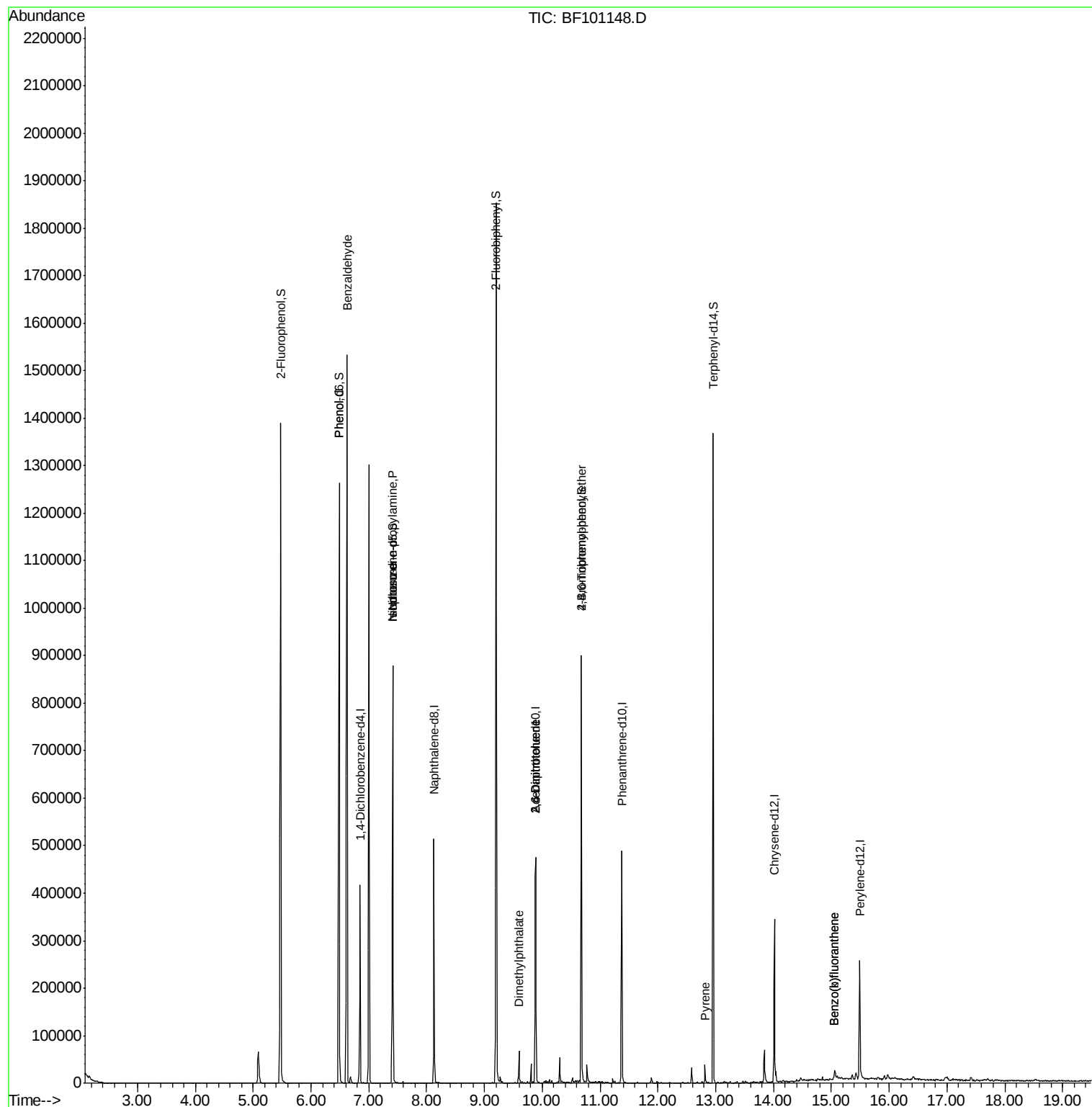
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.62	77	8744	3.342	ng	85
10) Phenol	6.49	94	16077	3.382	ng	73
19) n-Nitroso-di-n-propylamine	7.42	70	38701	13.442	ng	# 80
25) Isophorone	7.42	82	291023	44.823	ng	# 64
49) Dimethylphthalate	9.60	163	31239	3.855	ng	# 97
50) 2,6-Dinitrotoluene	9.88	165	12854	7.531	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	12854	5.619	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	7336	3.627	ng	# 1
77) Pyrene	12.82	202	16153	2.049	ng	98
87) Benzo(b)fluoranthene	15.06	252	14766	2.026	ng	96
88) Benzo(k)fluoranthene	15.06	252	14766	2.057	ng	96

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

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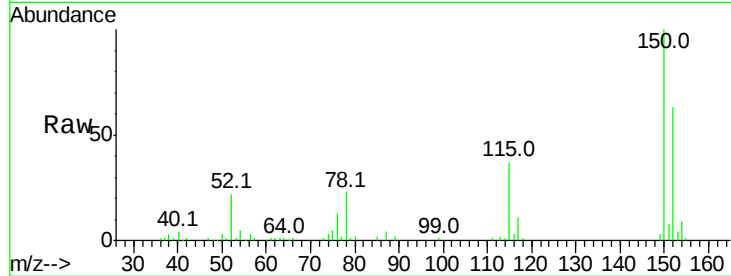


#1

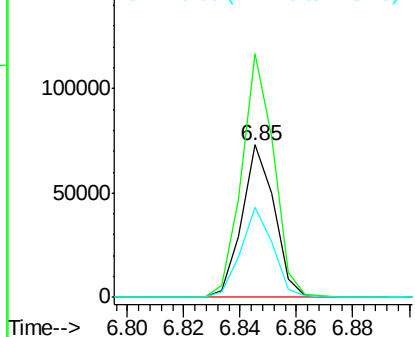
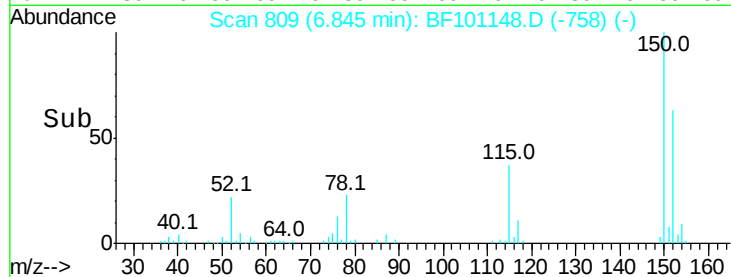
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101148.D
Acq: 6 Dec 2017 2:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 58187
Ion Ratio Lower Upper
152 100
150 159.8 124.6 186.8
115 59.3 50.1 75.1



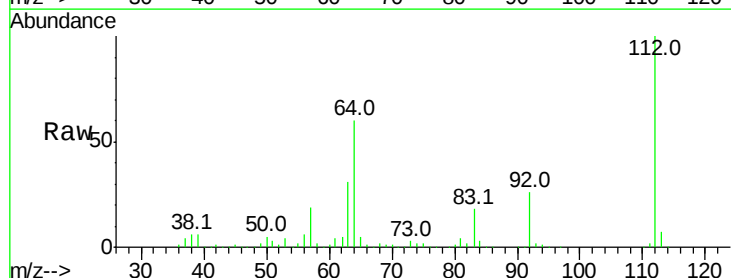
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



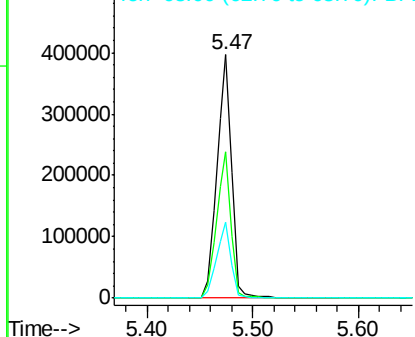
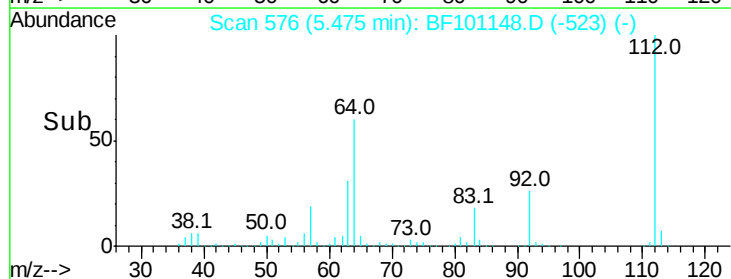
#5

2-Fluorophenol
Concen: 111.565 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101148.D
Acq: 6 Dec 2017 2:53

Tgt Ion:112 Resp: 392850
Ion Ratio Lower Upper
112 100
64 60.0 47.9 71.9
63 31.3 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: 109.464 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

Instrument :

BNA_F

ClientSampled :

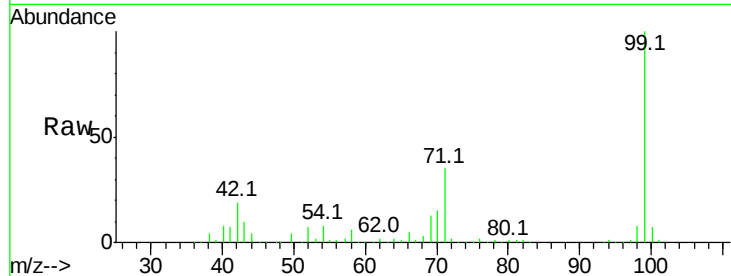
Tot Ion: 99 Resp: 467976

Ion Ratio Lower Upper

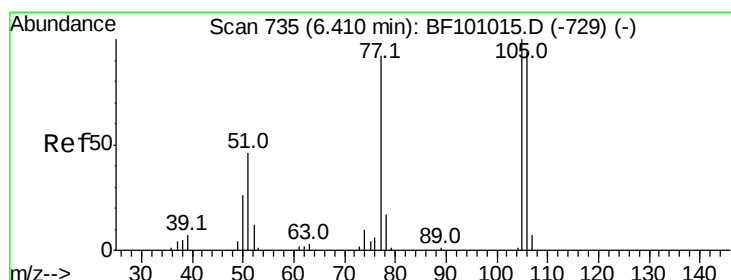
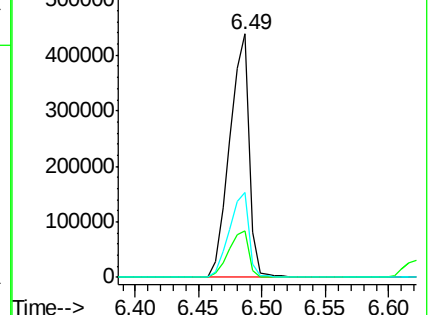
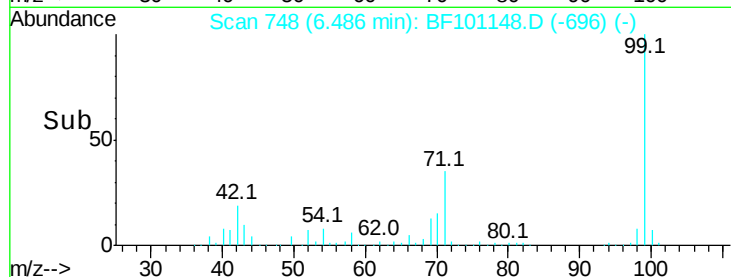
99 100

42 19.1 14.5 21.7

71 35.0 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



#9

Benzaldehyde

Concen: 3.342 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.22 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

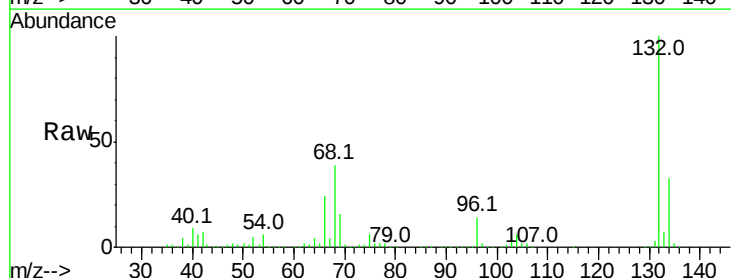
Tgt Ion: 77 Resp: 8744

Ion Ratio Lower Upper

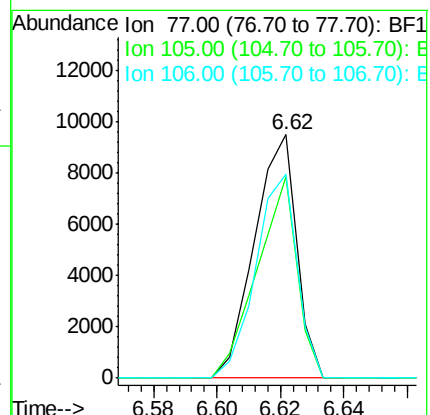
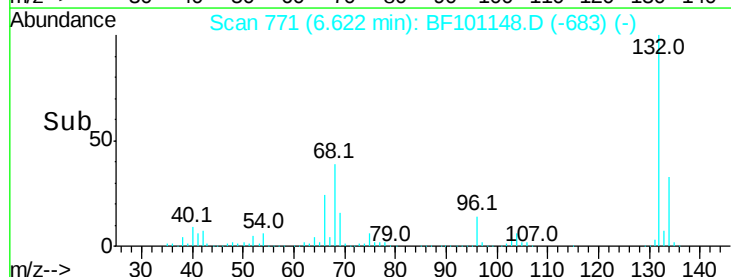
77 100

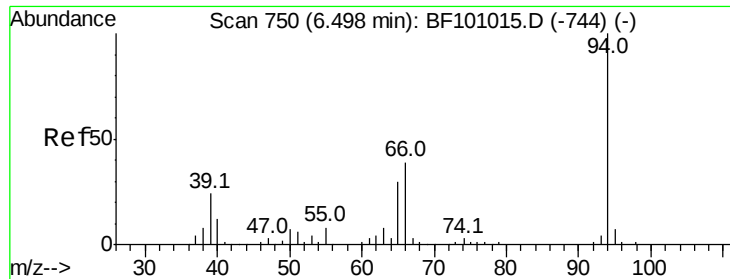
105 82.8 81.1 121.1

106 83.7 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

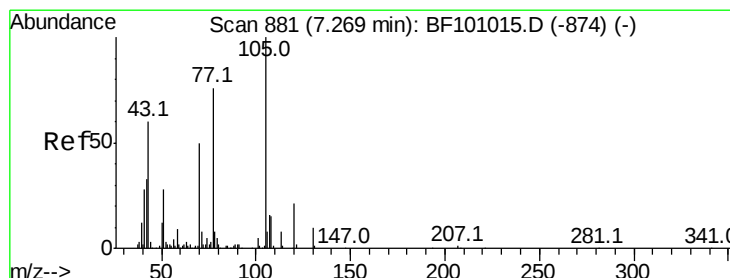
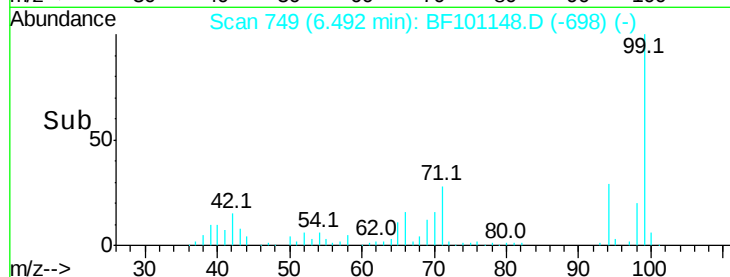
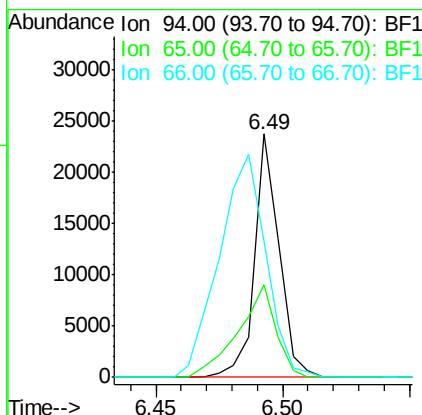
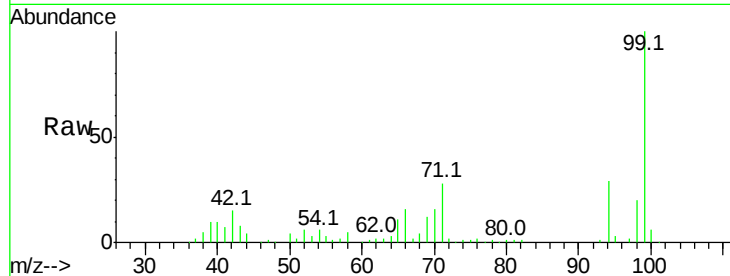




#10
Phenol
Concen: 3.382 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF101148.D
Acq: 6 Dec 2017 2:53

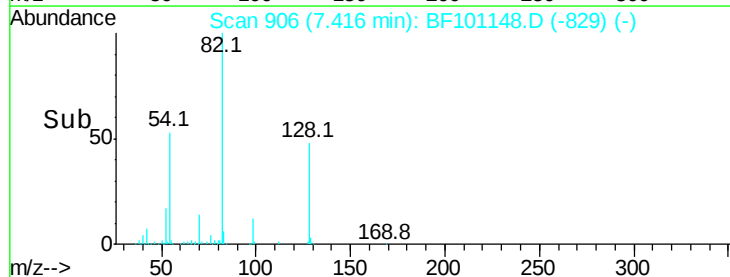
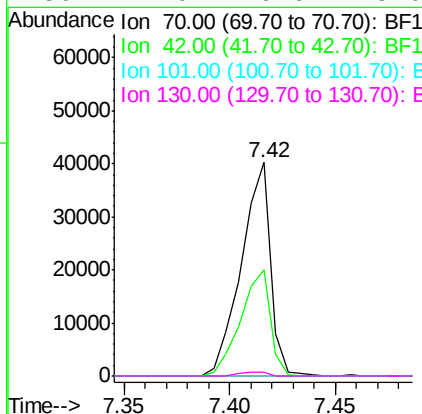
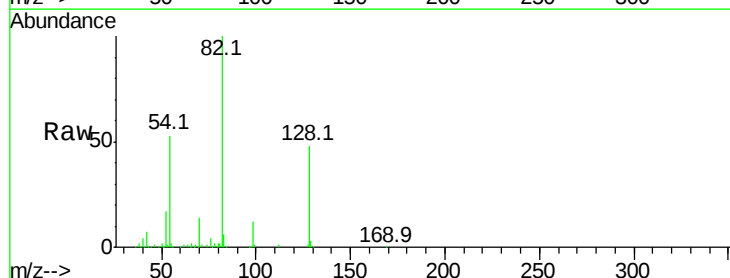
Instrument :
BNA_F
ClientSampleId :

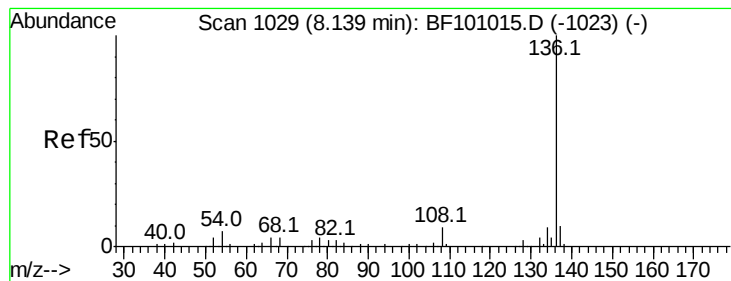
Tot Ion: 94 Resp: 16077
Ion Ratio Lower Upper
94 100
65 38.0 7.9 47.9
66 56.0 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.442 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF101148.D
Acq: 6 Dec 2017 2:53

Tgt Ion: 70 Resp: 38701
Ion Ratio Lower Upper
70 100
42 49.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 226747

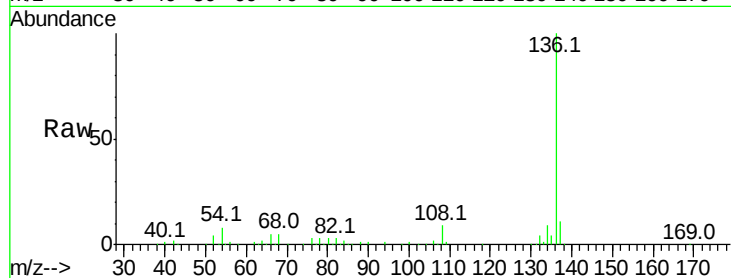
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.7 6.6 9.8

68 4.7 5.0 7.4#

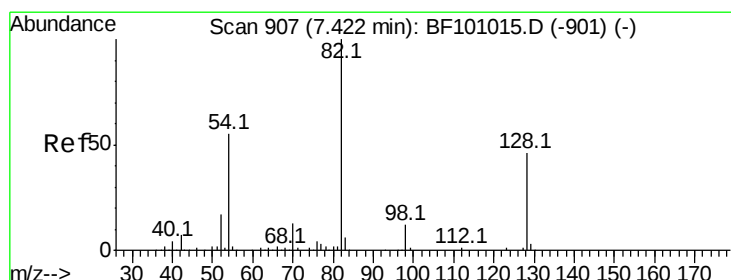
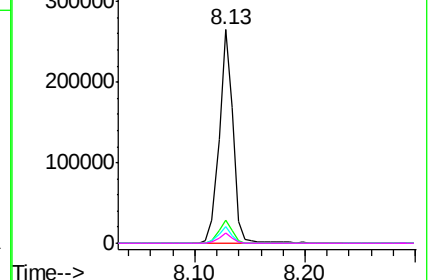
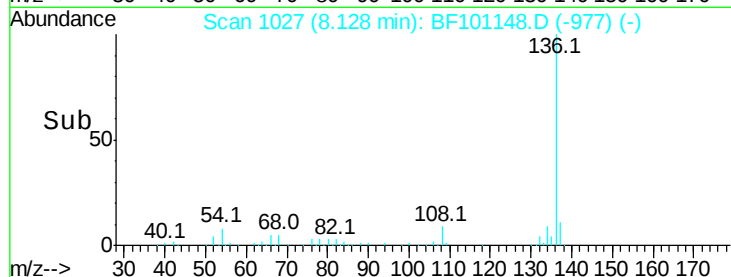


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.564 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

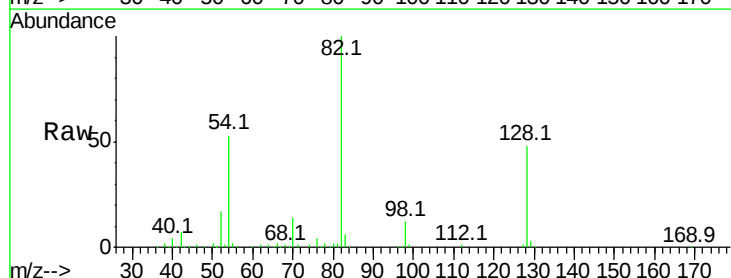
Tgt Ion: 82 Resp: 291027

Ion Ratio Lower Upper

82 100

128 48.5 36.1 54.1

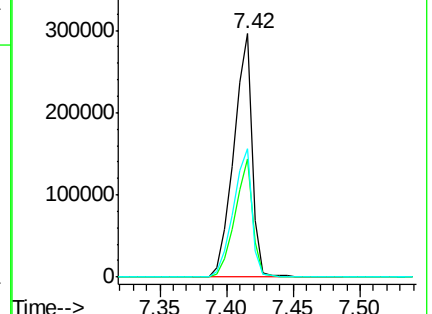
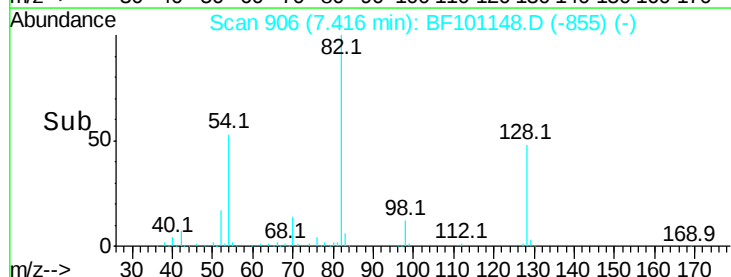
54 52.5 41.4 62.2

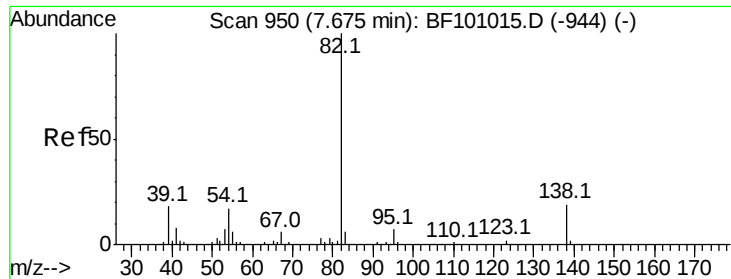


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.823 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

Instrument :

BNA_F

ClientSampleId :

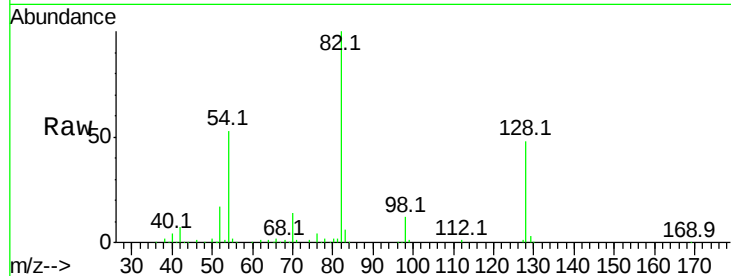
Tot Ion: 82 Resp: 291023

Ion Ratio Lower Upper

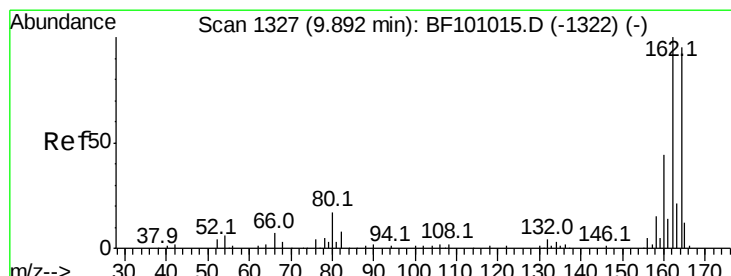
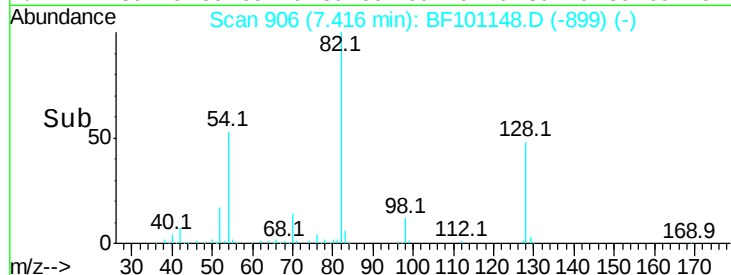
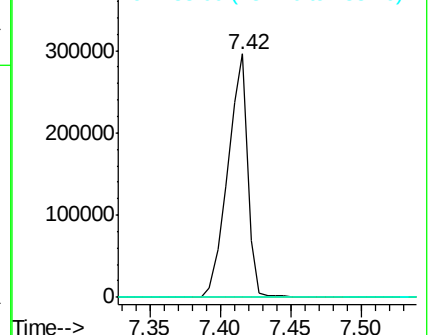
82 100

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: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

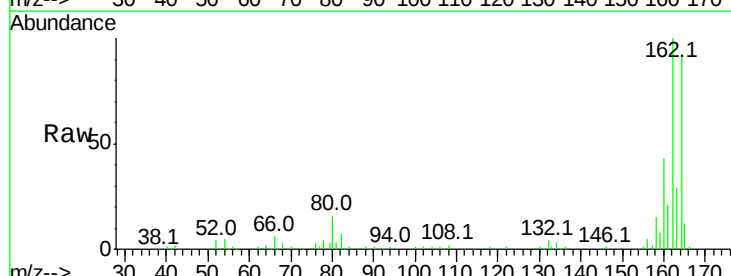
Tgt Ion:164 Resp: 100485

Ion Ratio Lower Upper

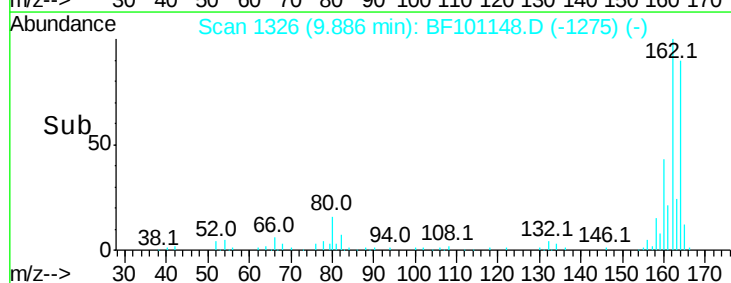
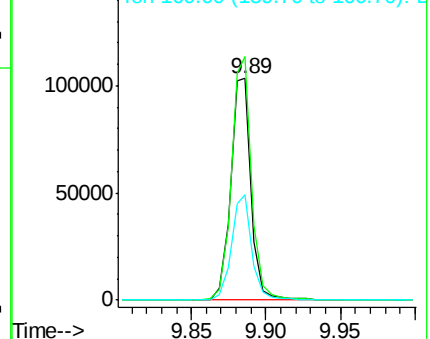
164 100

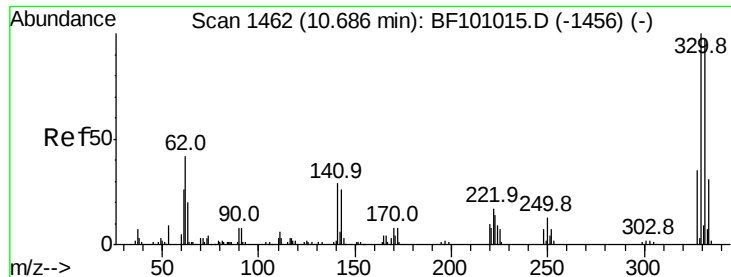
162 109.9 86.1 129.1

160 47.6 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

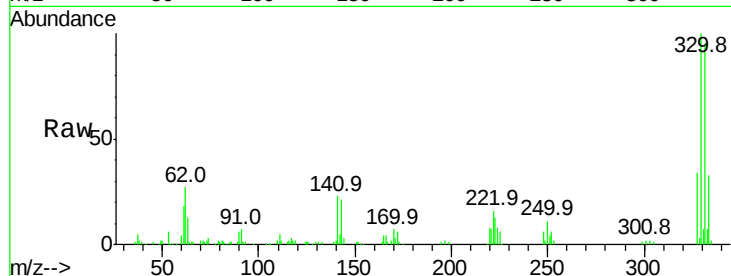




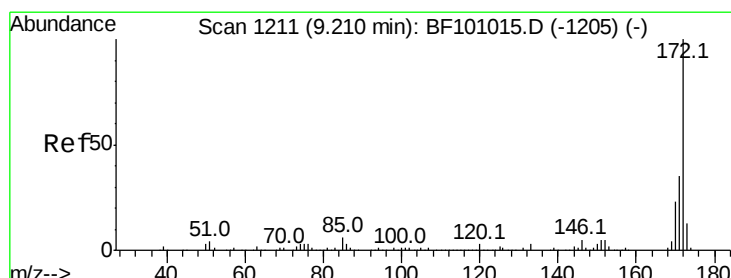
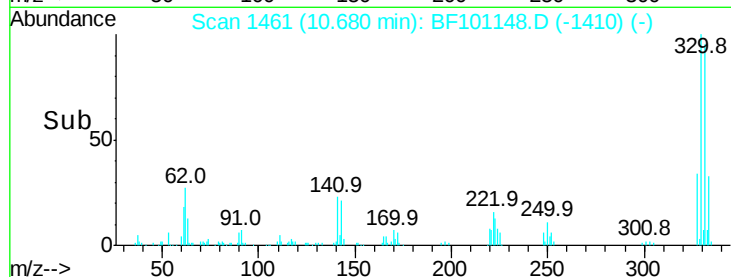
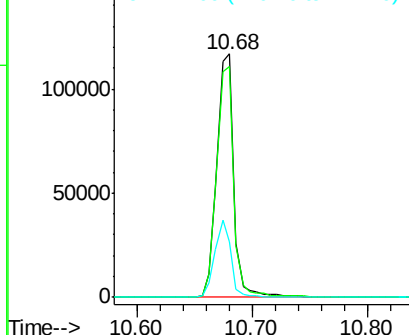
#41
 2,4,6-Tribromophenol
 Concen: 99.159 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BF101148.D
 Acq: 6 Dec 2017 2:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	30.1	29.9	44.9

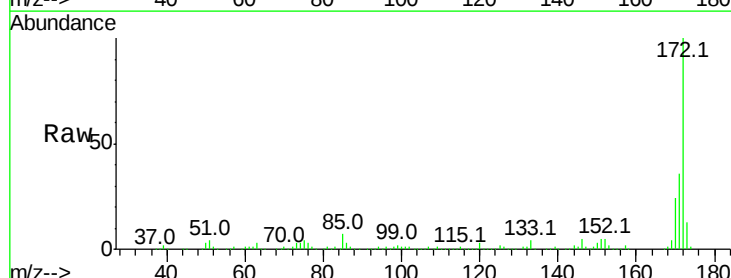


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

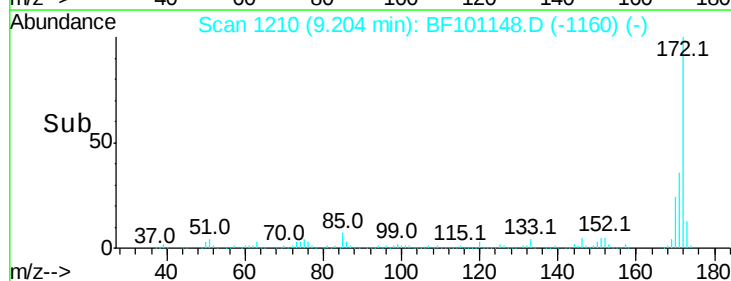
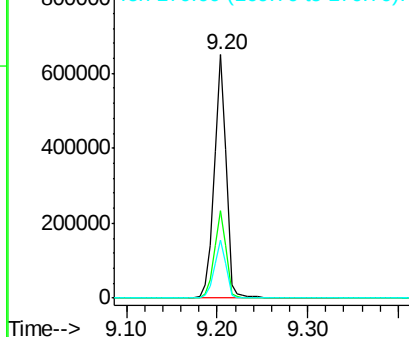


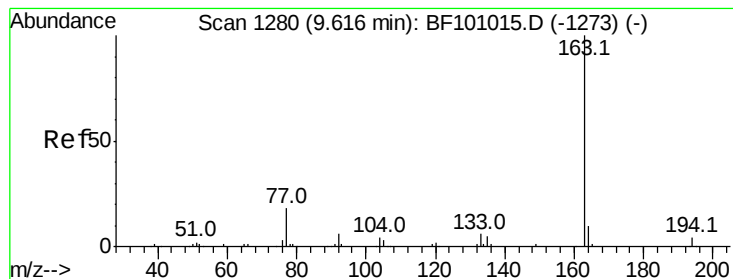
#44
 2-Fluorobiphenyl
 Concen: 81.822 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101148.D
 Acq: 6 Dec 2017 2:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.9	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: 3.855 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

Instrument :

BNA_F

ClientSampleId :

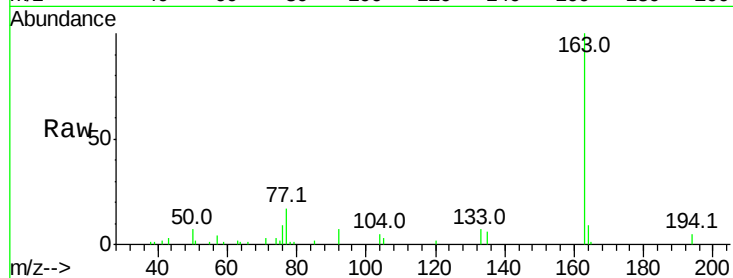
Tot Ion:163 Resp: 31239

Ion Ratio Lower Upper

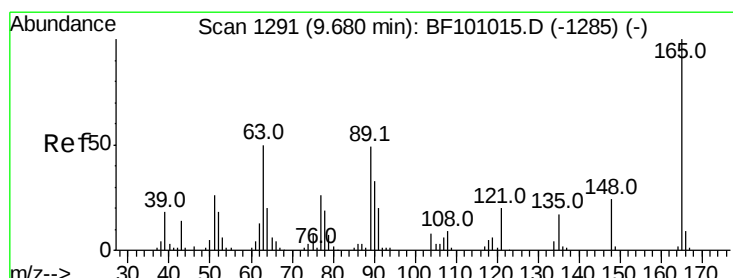
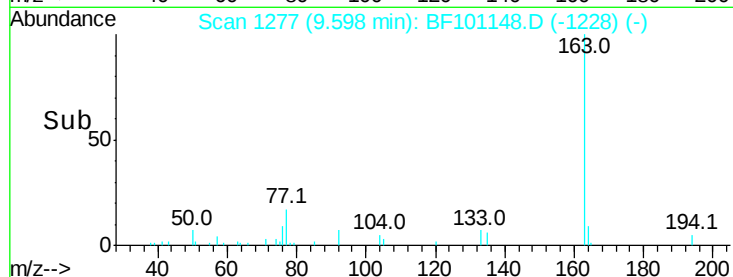
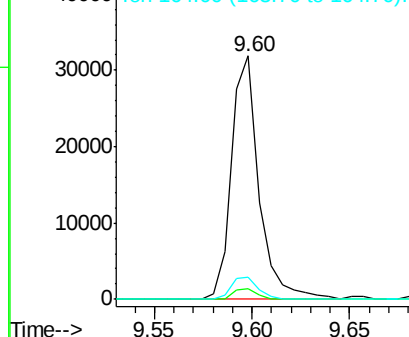
163 100

194 4.5 2.7 4.1#

164 9.3 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: 7.531 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

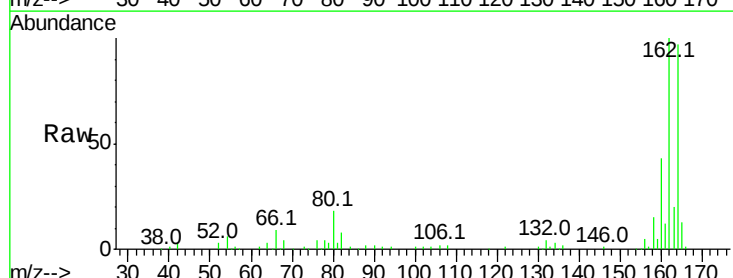
Tgt Ion:165 Resp: 12854

Ion Ratio Lower Upper

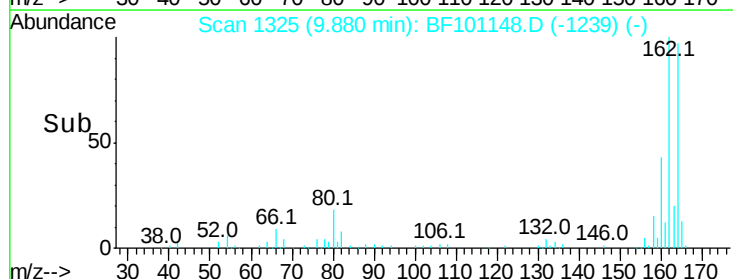
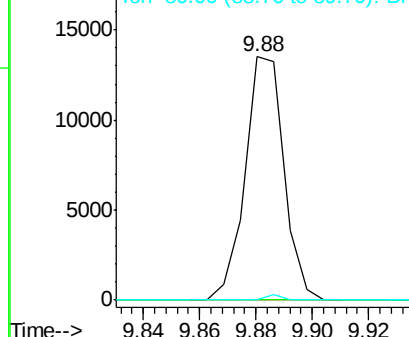
165 100

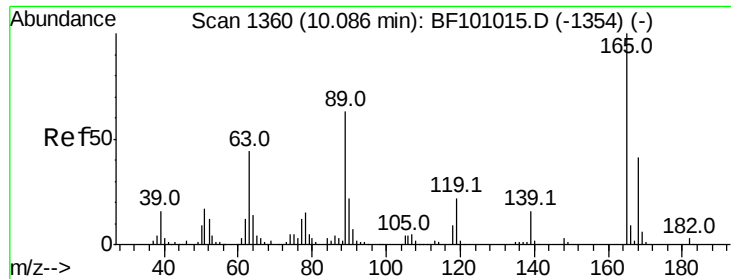
63 0.0 44.7 67.1#

89 0.0 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

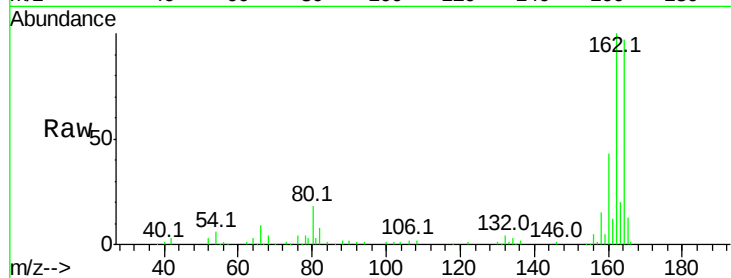




#56
 2,4-Dinitrotoluene
 Concen: 5.619 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101148.D
 Acq: 6 Dec 2017 2:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	12854
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#

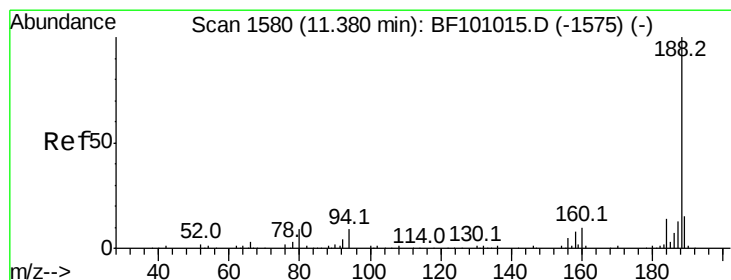
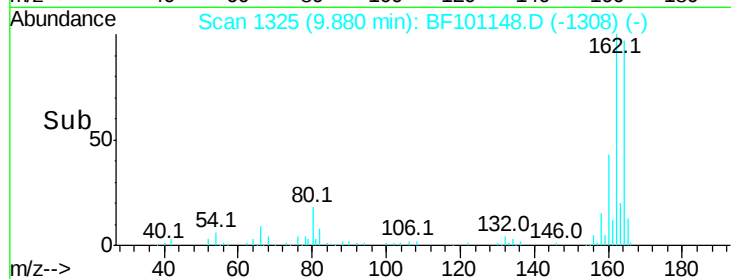
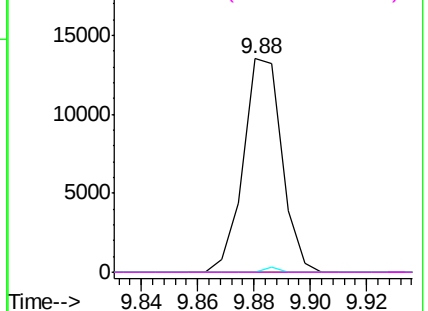


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

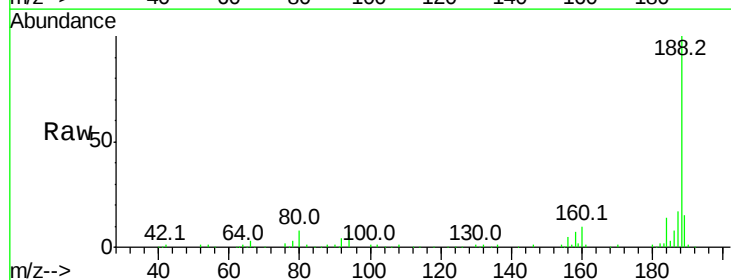
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101148.D
 Acq: 6 Dec 2017 2:53

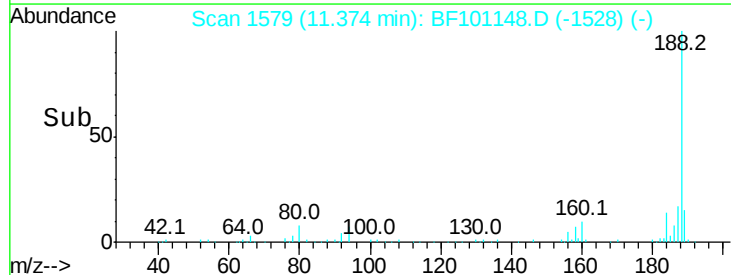
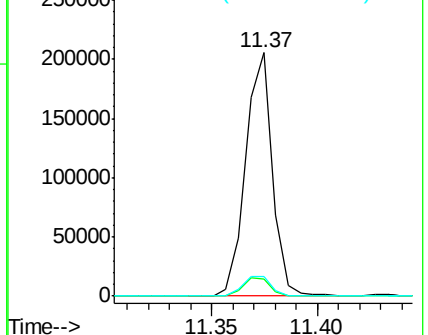
Tgt Ion:188	Resp:	180684
Ion Ratio	Lower	Upper
188	100	
94	7.2	8.5 12.7#
80	8.1	9.2 13.8#

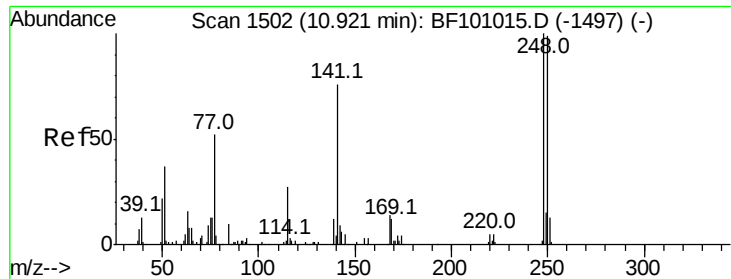


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

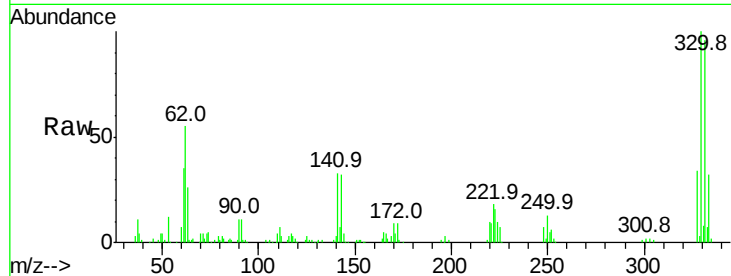




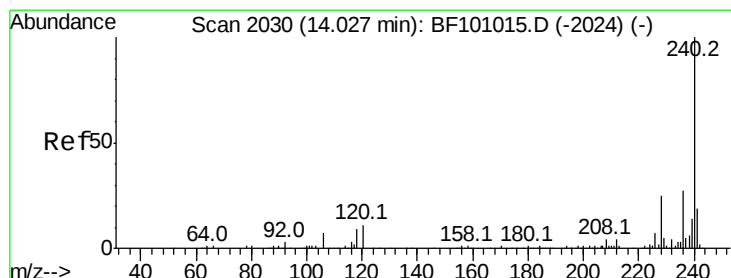
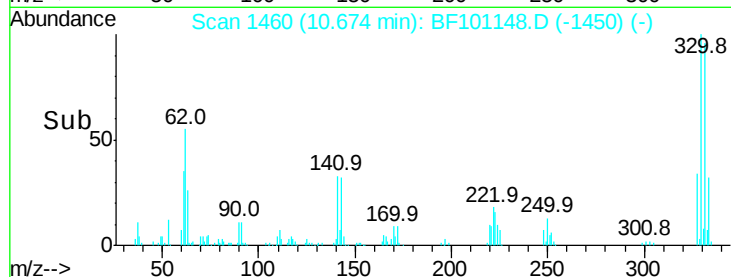
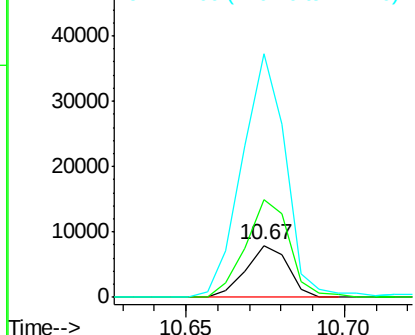
#66
 4-Bromophenyl-phenylether
 Concen: 3.627 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF101148.D
 Acq: 6 Dec 2017 2:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 7336
 Ion Ratio Lower Upper
 248 100
 250 187.4 76.9 115.3#
 141 467.5 74.4 111.6#

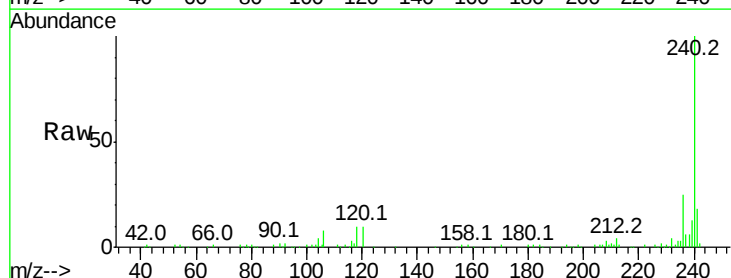


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

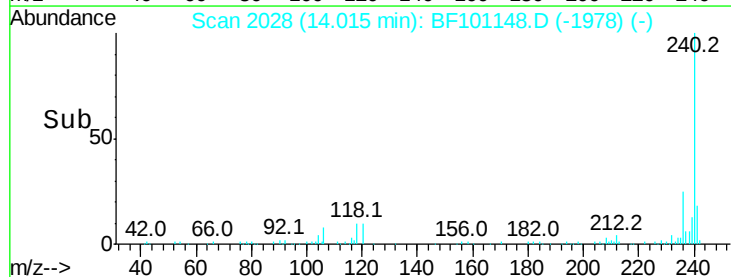
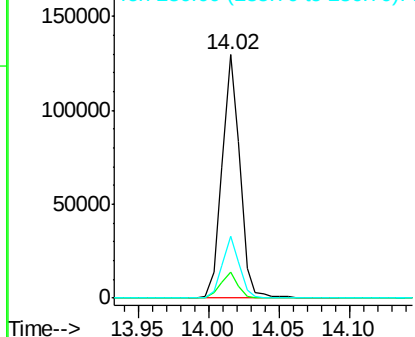


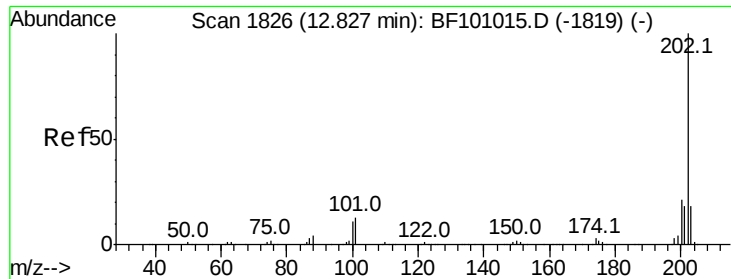
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF101148.D
 Acq: 6 Dec 2017 2:53

Tgt Ion:240 Resp: 114245
 Ion Ratio Lower Upper
 240 100
 120 10.4 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

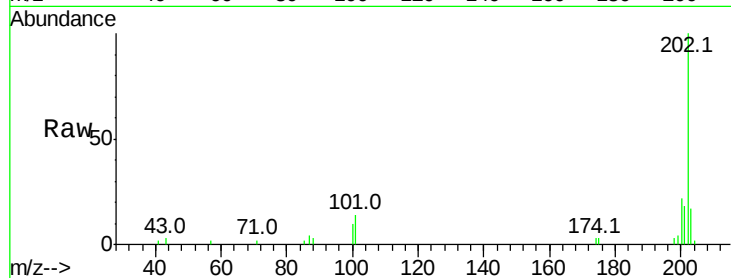




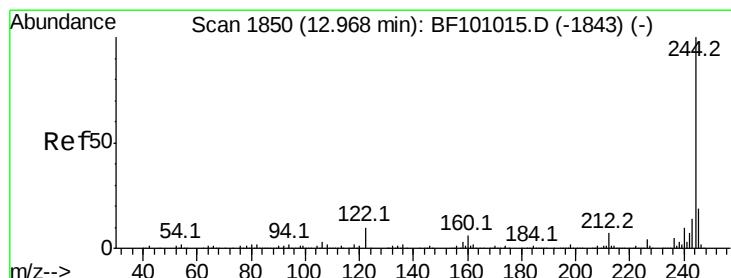
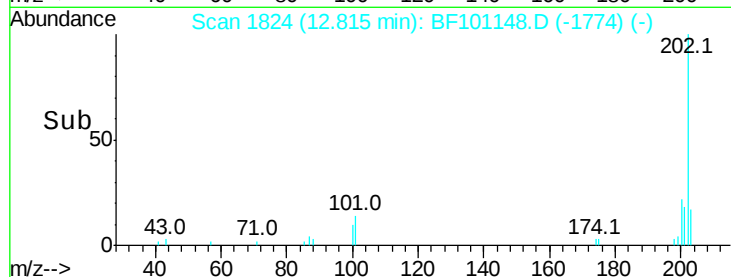
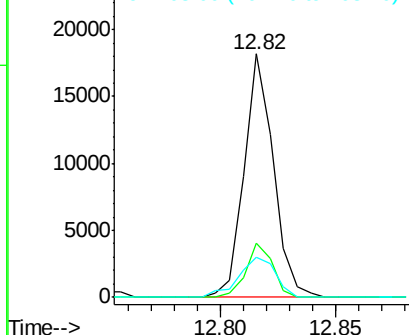
#77
Pvrene
Concen: 2.049 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101148.D
Acq: 6 Dec 2017 2:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.4	26.2
203	16.7	14.3	21.5

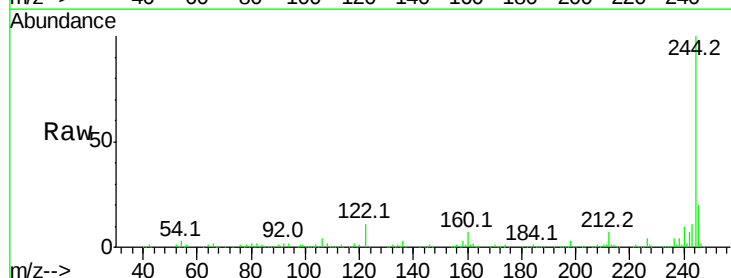


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

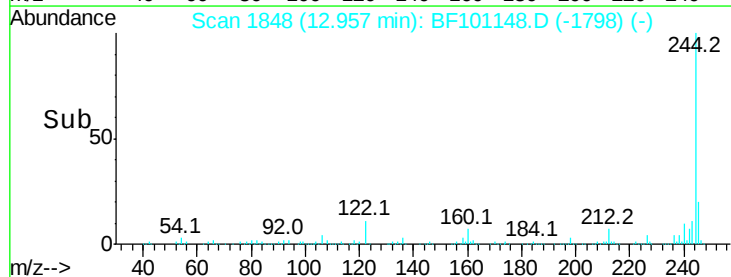
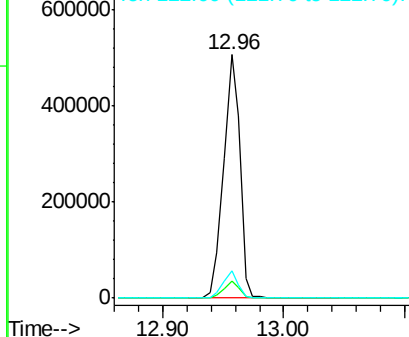


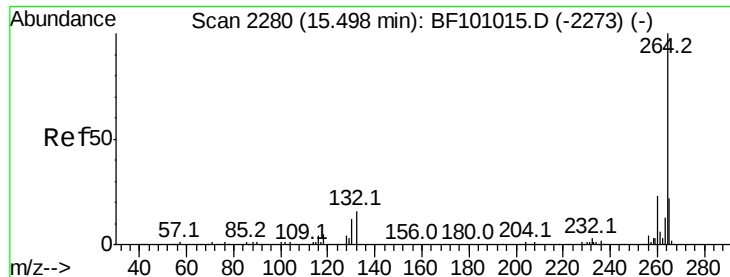
#78
Terphenyl-d14
Concen: 90.615 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101148.D
Acq: 6 Dec 2017 2:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	11.2	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

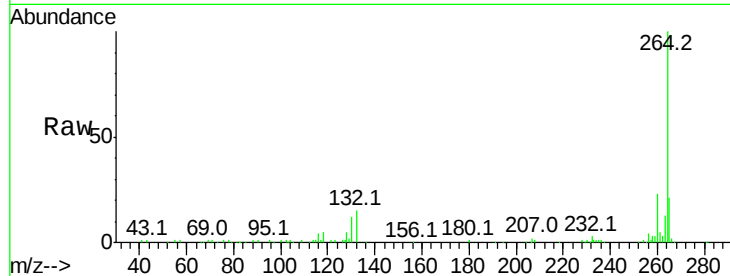




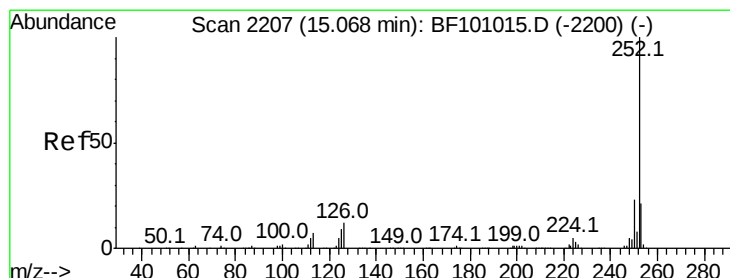
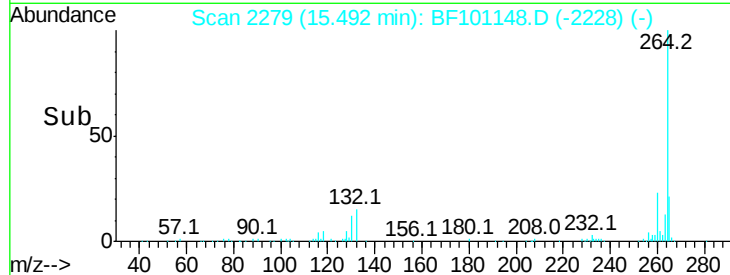
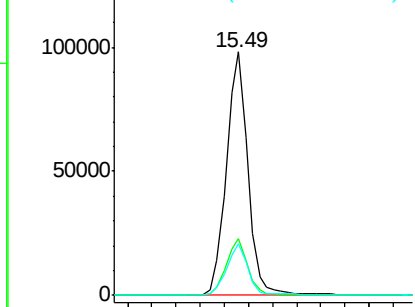
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101148.D
Acq: 6 Dec 2017 2:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 121653
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.1 17.5 26.3

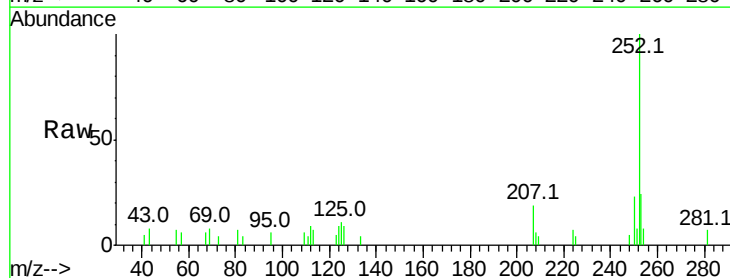


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

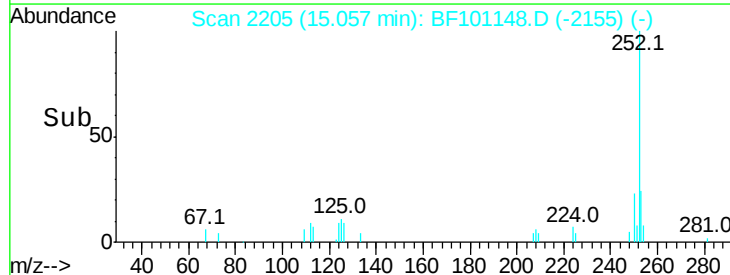
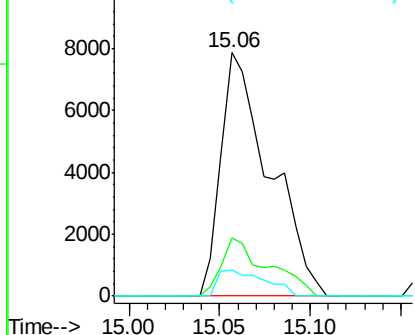


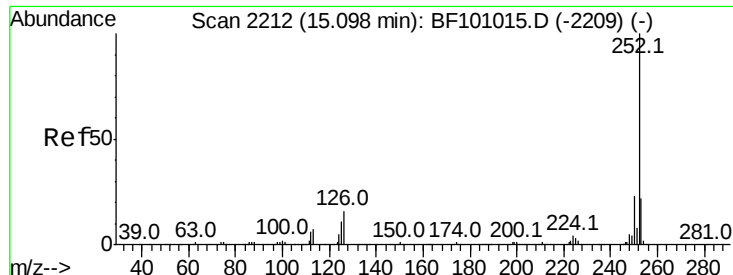
#87
Benzo(b)fluoranthene
Concen: 2.026 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF101148.D
Acq: 6 Dec 2017 2:53

Tgt Ion:252 Resp: 14766
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 10.6 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: 2.057 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.04 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

Instrument :

BNA_F

ClientSampleId :

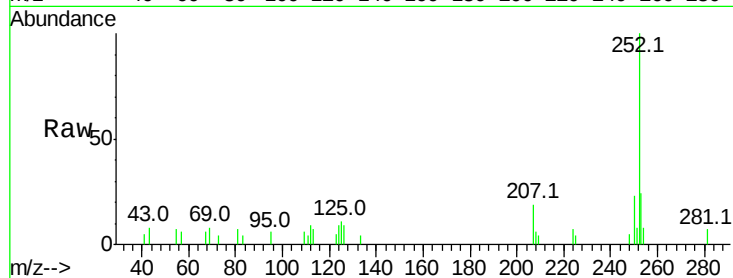
Tot Ion:252 Resp: 14766

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

125 10.6 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

