

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101106.D
 Acq On : 4 Dec 2017 18:56
 Operator : SJ/JU
 Sample : I6697-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:22:06 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	59907	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	226197	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	100419	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	165527	20.00	ng	0.00
75) Chrysene-d12	14.02	240	130516	20.00	ng	0.00
86) Perylene-d12	15.50	264	114369	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	274229	75.64	ng	0.01
7) Phenol-d6	6.49	99	326506	74.18	ng	0.00
23) Nitrobenzene-d5	7.42	82	198208	52.27	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	72803	60.35	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	421086	57.37	ng	0.00
78) Terphenyl-d14	12.96	244	285835	47.90	ng	0.00

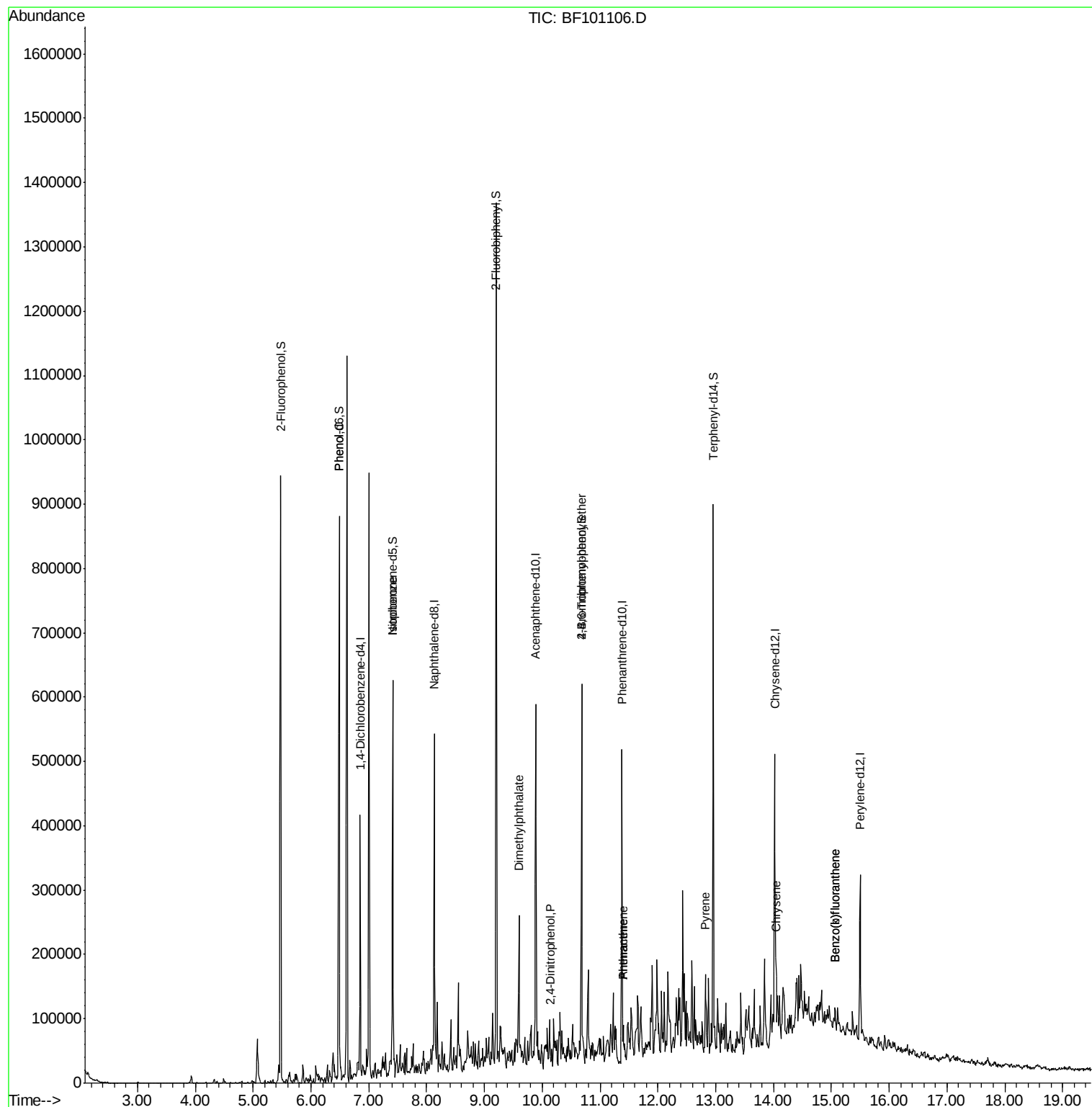
Target Compounds				Qvalue		
10) Phenol	6.49	94	11426	2.335	ng	83
25) Isophorone	7.42	82	197679	30.520	ng	# 65
49) Dimethylphthalate	9.60	163	45081	5.567	ng	# 98
53) 2,4-Dinitrophenol	10.15	184	240	5.084	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	4690	2.531	ng	# 1
70) Phenanthrene	11.40	178	19255	2.112	ng	97
71) Anthracene	11.40	178	19255	2.087	ng	97
77) Pyrene	12.82	202	18558	2.061	ng	99
82) Chrysene	14.04	228	47541	6.212	ng	# 85
87) Benzo(b)fluoranthene	15.06	252	20440	2.984	ng	96
88) Benzo(k)fluoranthene	15.06	252	20440	3.029	ng	96

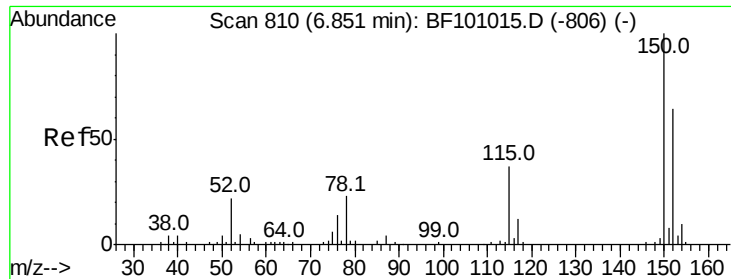
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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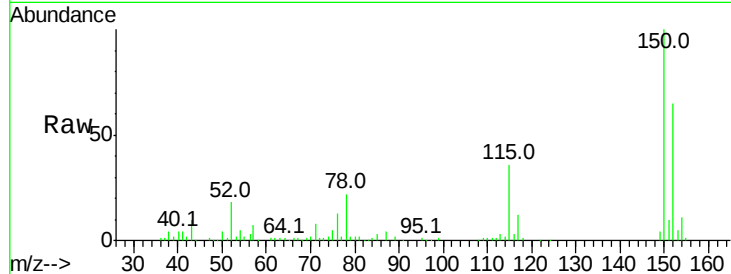


#1

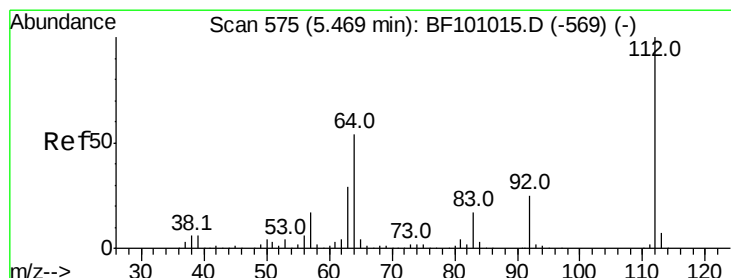
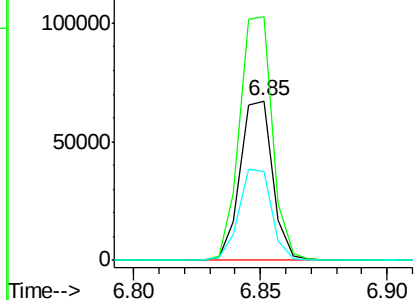
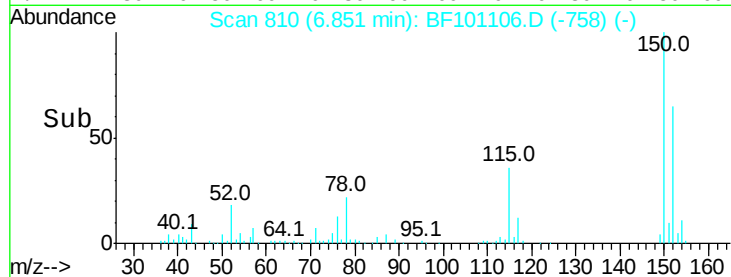
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.01 min
Lab File: BF101106.D
Acq: 4 Dec 2017 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.6	186.8
115	55.4	50.1	75.1



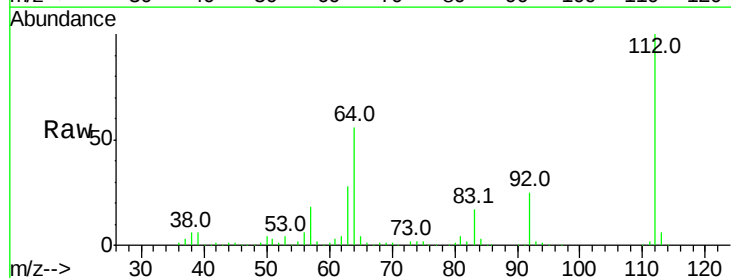
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



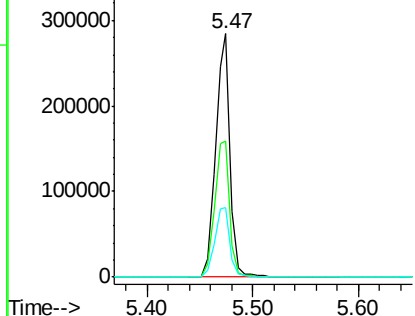
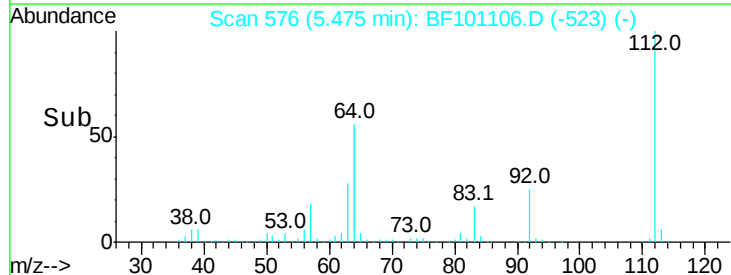
#5

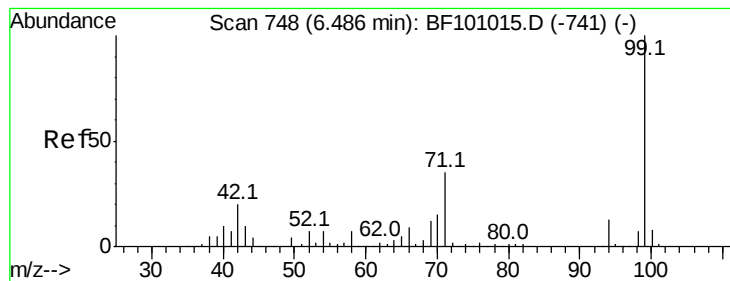
2-Fluorophenol
Concen: 75.642 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101106.D
Acq: 4 Dec 2017 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	28.4	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: 74.180 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

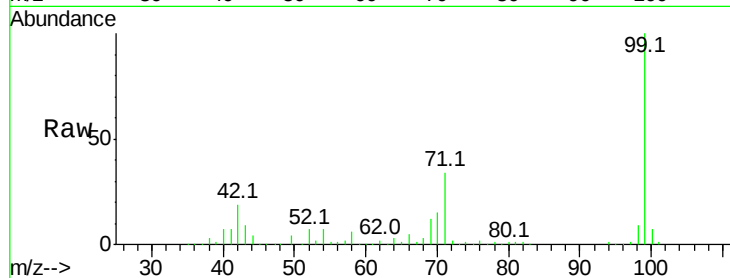
Tot Ion: 99 Resp: 326506

Ion Ratio Lower Upper

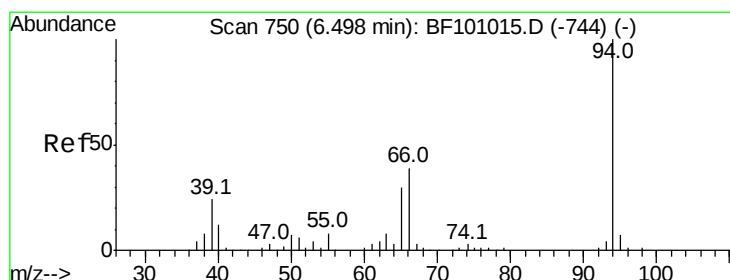
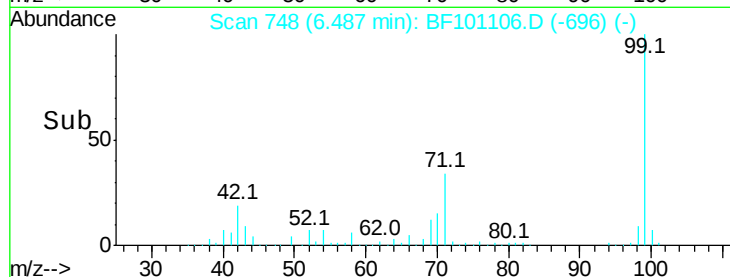
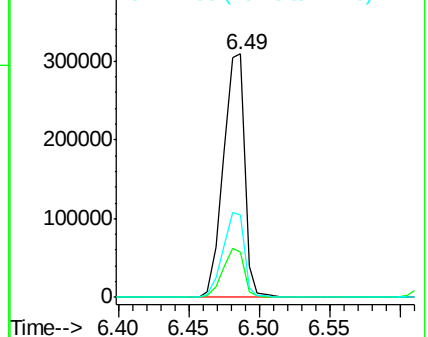
99 100

42 18.8 14.5 21.7

71 33.7 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: 2.335 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

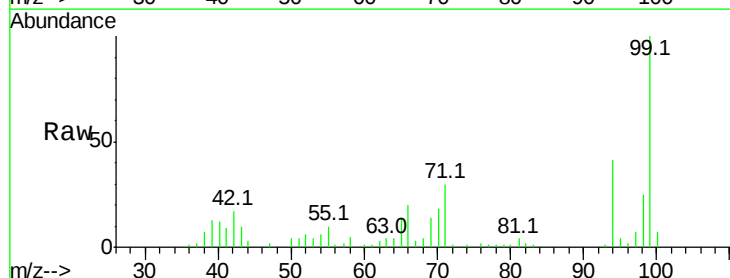
Tgt Ion: 94 Resp: 11426

Ion Ratio Lower Upper

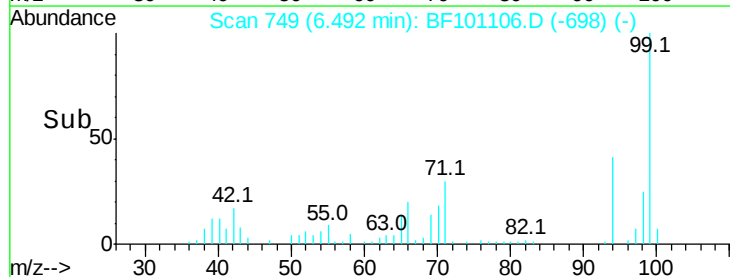
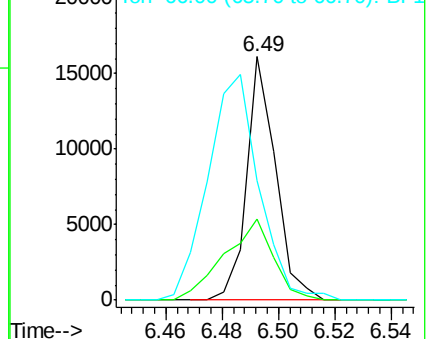
94 100

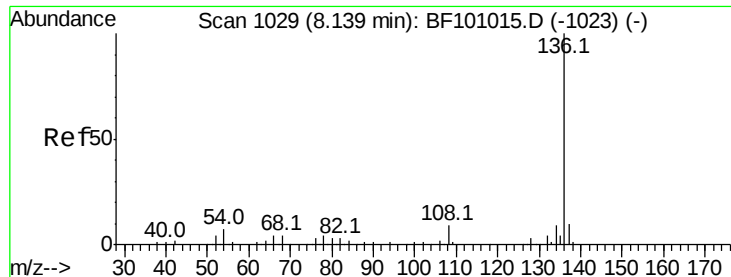
65 33.3 7.9 47.9

66 49.2 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 226197

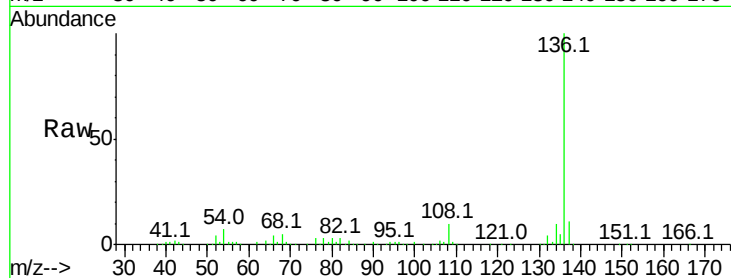
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.1 6.6 9.8

68 4.6 5.0 7.4#

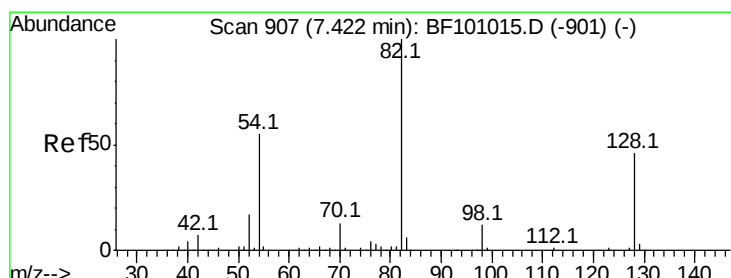
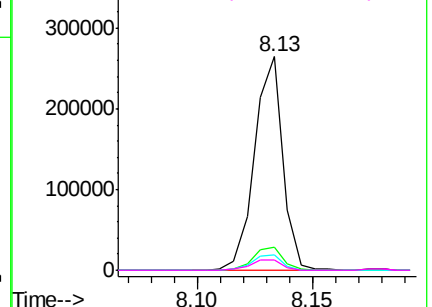
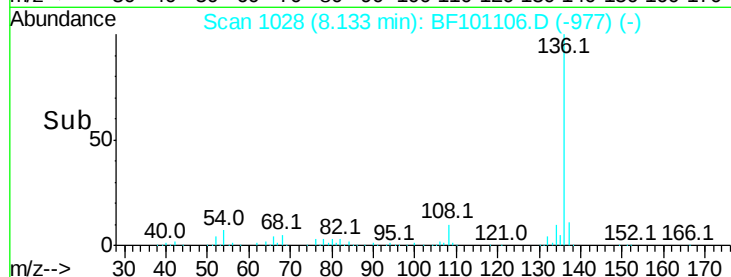


Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.272 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

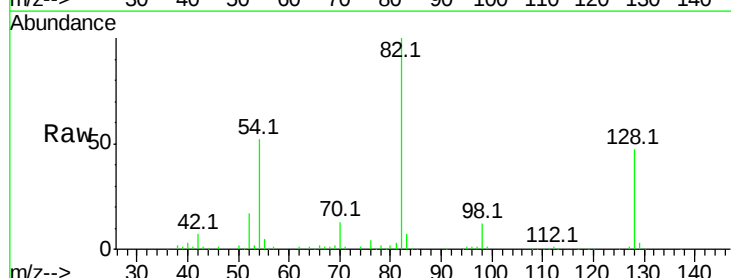
Tgt Ion: 82 Resp: 198208

Ion Ratio Lower Upper

82 100

128 47.0 36.1 54.1

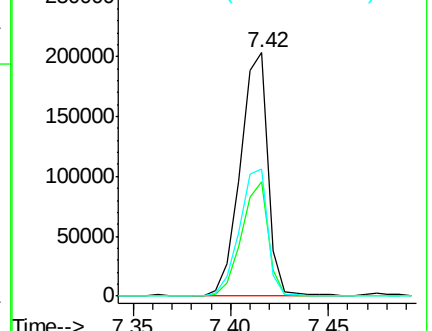
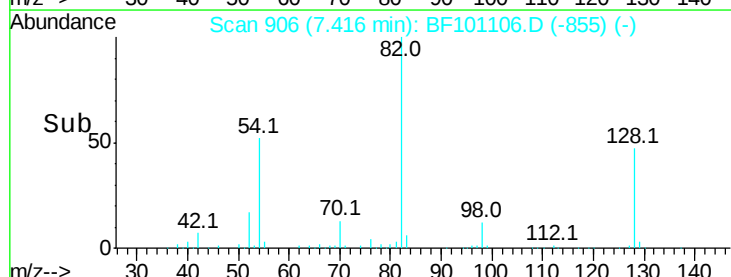
54 52.0 41.4 62.2

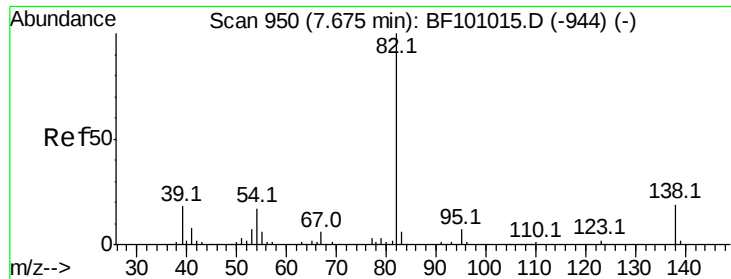


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.520 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

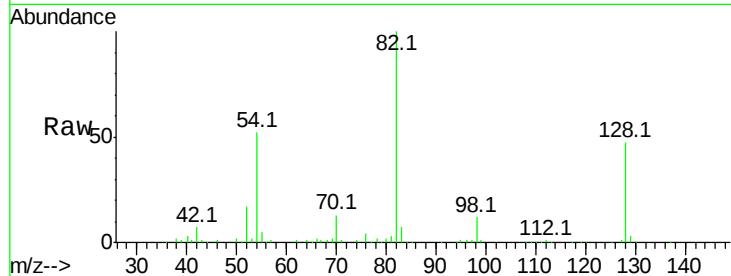
Tot Ion: 82 Resp: 197679

Ion Ratio Lower Upper

82 100

95 0.7 5.2 7.8#

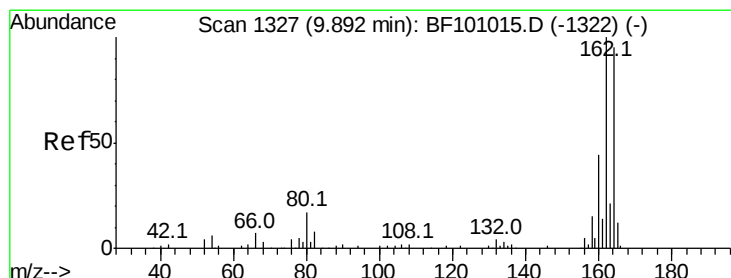
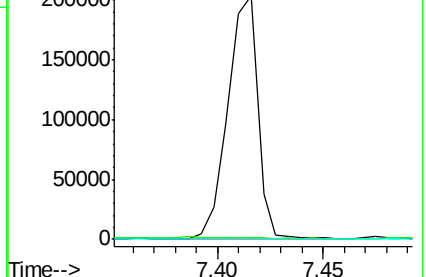
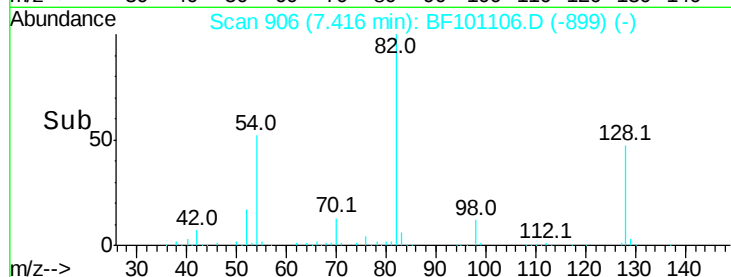
138 0.0 14.9 22.3#



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: BF101106.D

Acq: 4 Dec 2017 18:56

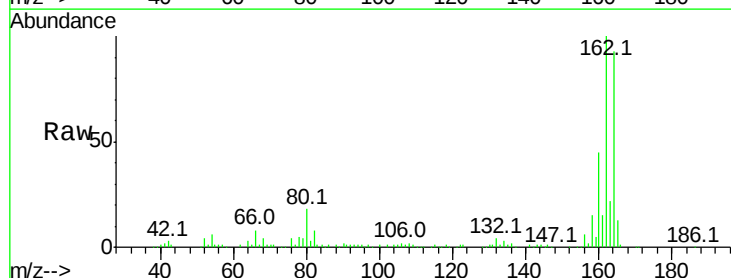
Tgt Ion:164 Resp: 100419

Ion Ratio Lower Upper

164 100

162 107.3 86.1 129.1

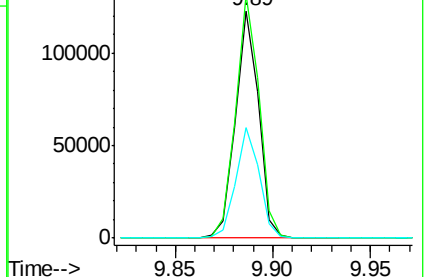
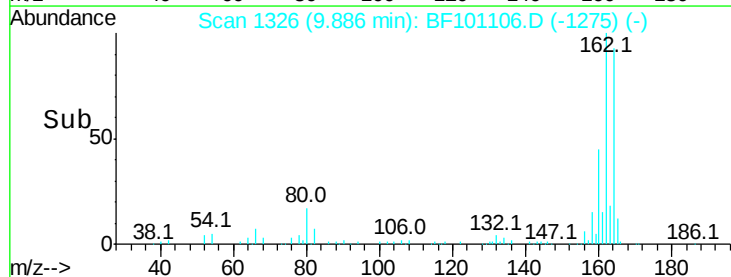
160 48.8 38.3 57.5

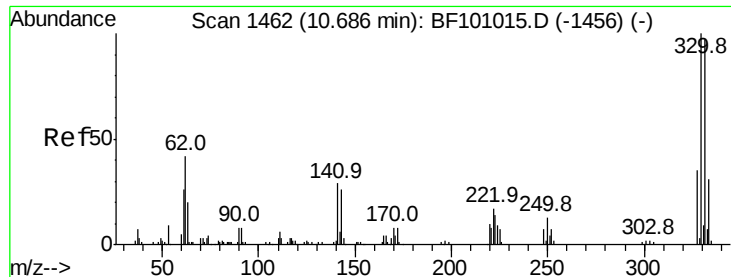


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

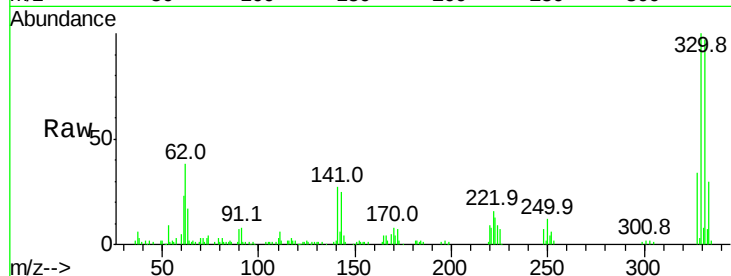




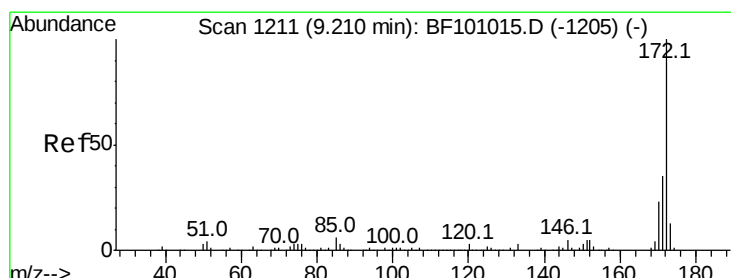
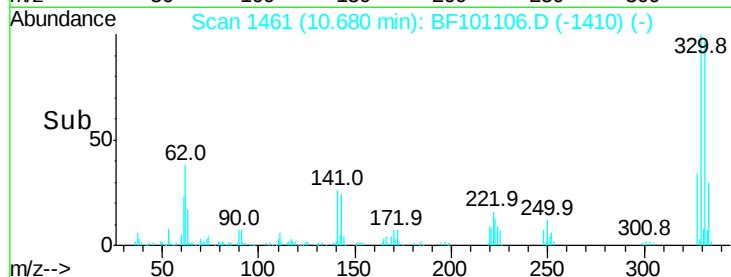
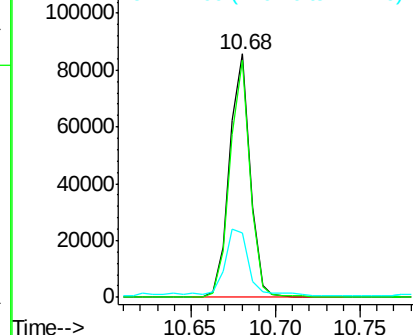
#41
 2,4,6-Tribromophenol
 Concen: 60.351 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BF101106.D
 Acq: 4 Dec 2017 18:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 72803
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 34.3 29.9 44.9

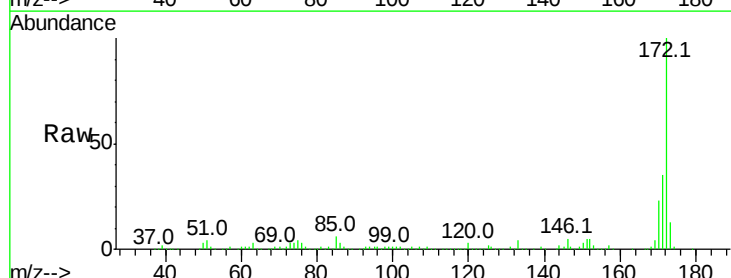


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

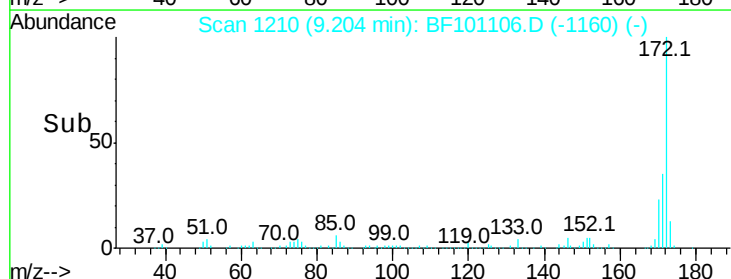
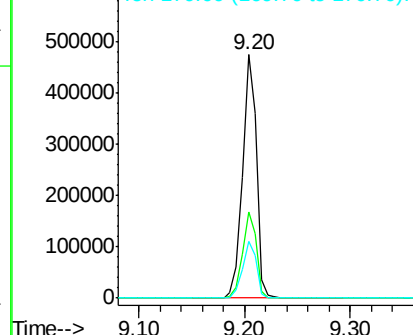


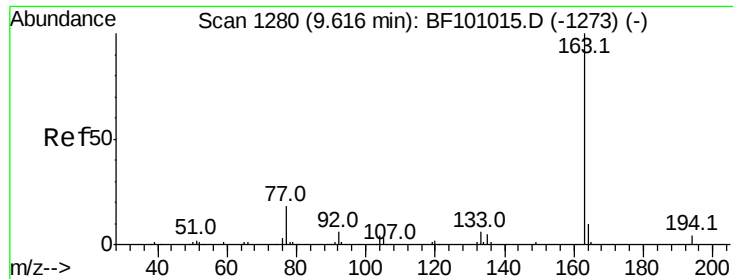
#44
 2-Fluorobiphenyl
 Concen: 57.373 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101106.D
 Acq: 4 Dec 2017 18:56

Tgt Ion:172 Resp: 421086
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.5 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

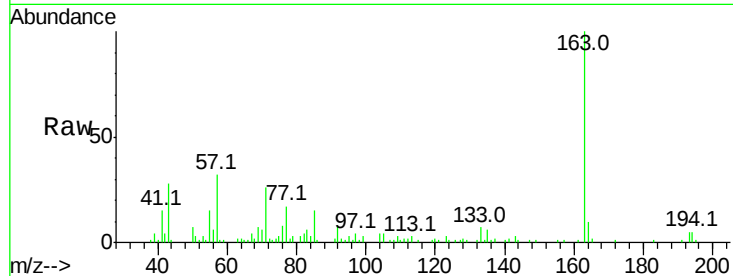




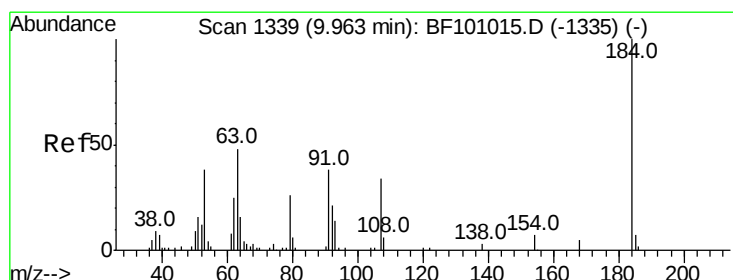
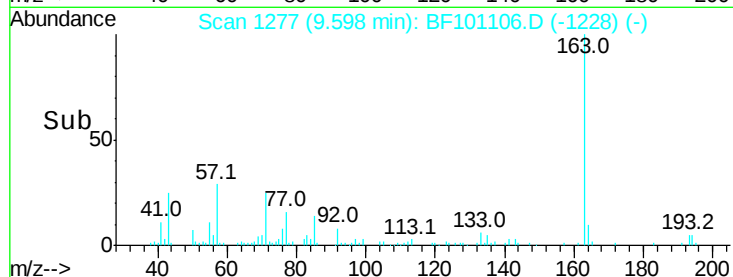
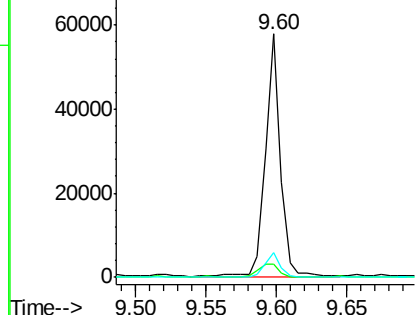
#49
Dimethylphthalate
Concen: 5.567 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101106.D
Acq: 4 Dec 2017 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 45081
Ion Ratio Lower Upper
163 100
194 5.2 2.7 4.1#
164 9.9 8.2 12.2

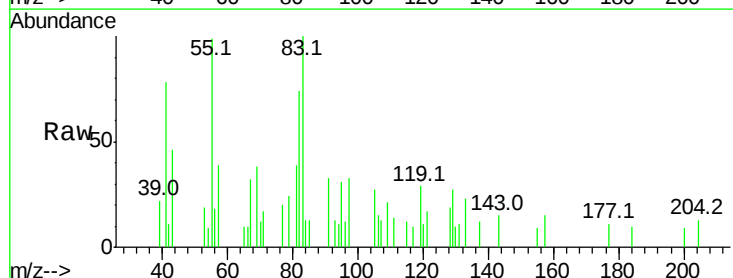


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

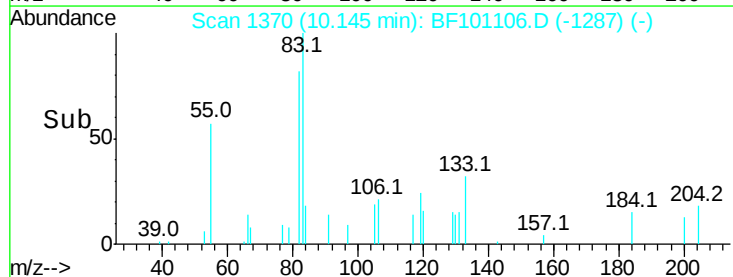
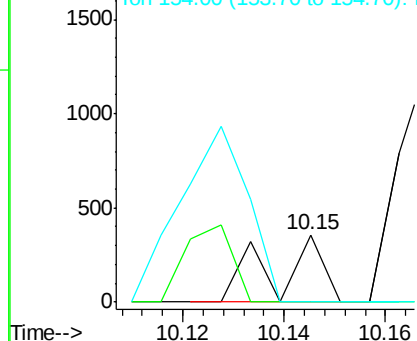


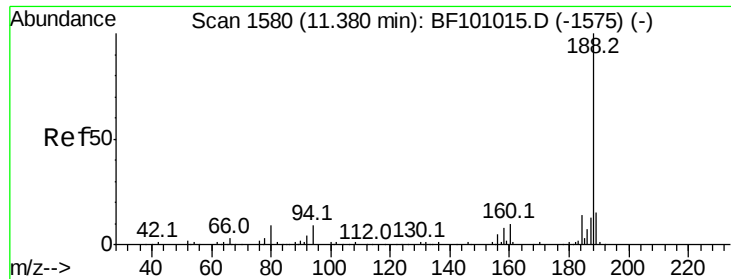
#53
2,4-Dinitrophenol
Concen: 5.084 ng
RT: 10.15 min Scan# 1370
Delta R.T. 0.19 min
Lab File: BF101106.D
Acq: 4 Dec 2017 18:56

Tgt Ion:184 Resp: 240
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

Instrument :

BNA_F

ClientSampled :

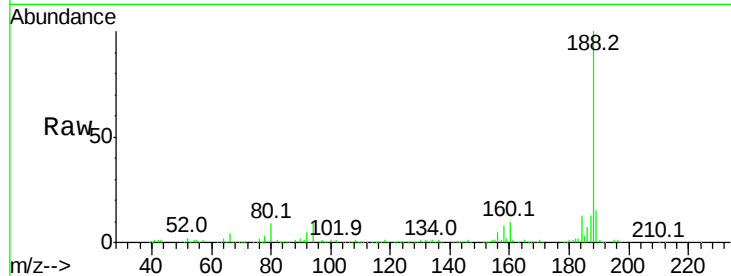
Tot Ion:188 Resp: 165527

Ion Ratio Lower Upper

188 100

94 8.6 8.5 12.7

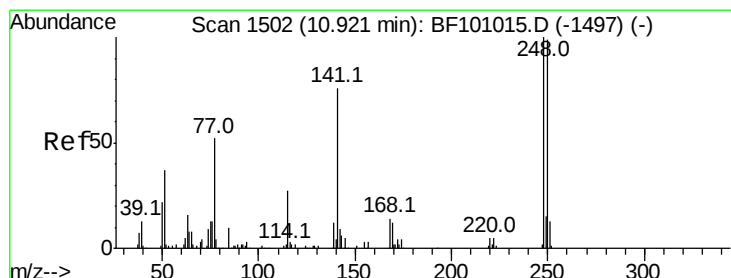
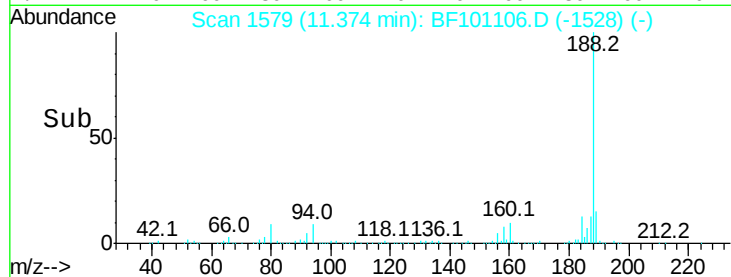
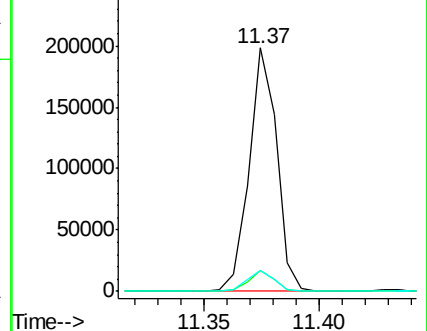
80 8.8 9.2 13.8#



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: 2.531 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.24 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

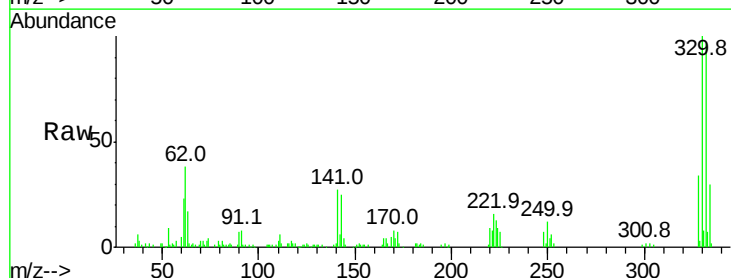
Tgt Ion:248 Resp: 4690

Ion Ratio Lower Upper

248 100

250 188.7 76.9 115.3#

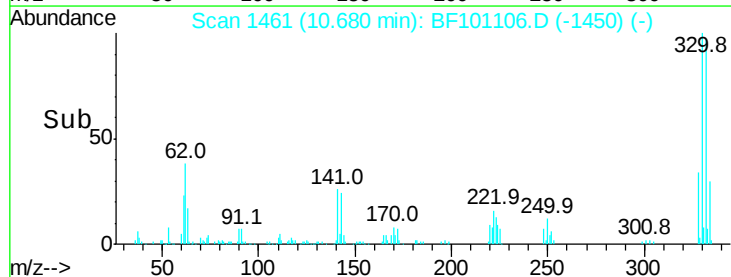
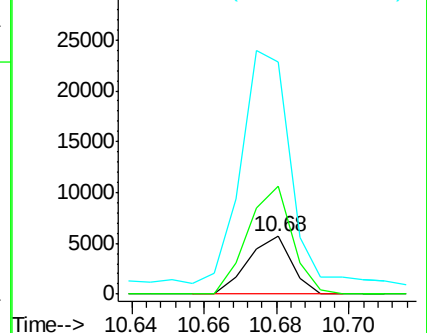
141 402.8 74.4 111.6#

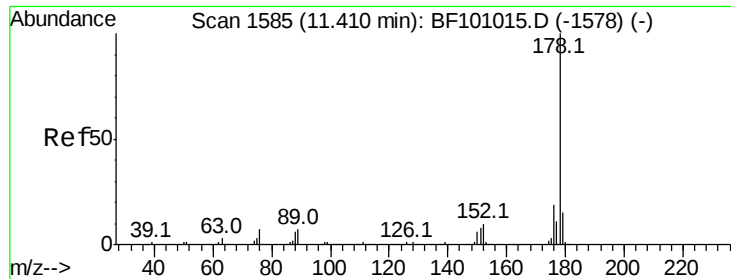


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

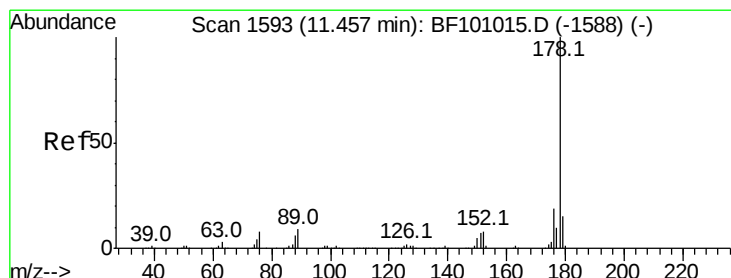
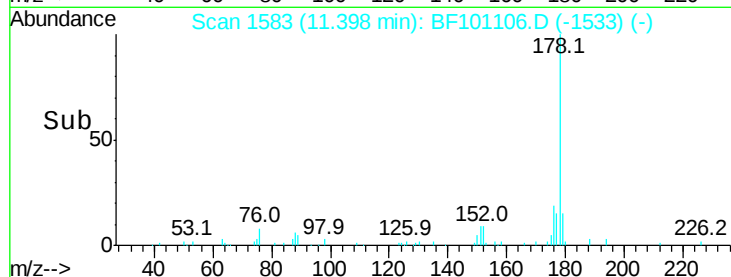
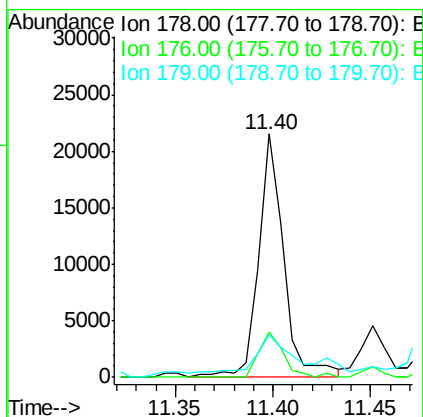
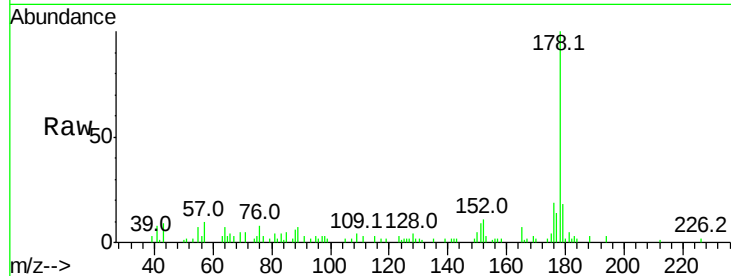




#70
Phenanthrene
Concen: 2.112 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101106.D
Acq: 4 Dec 2017 18:56

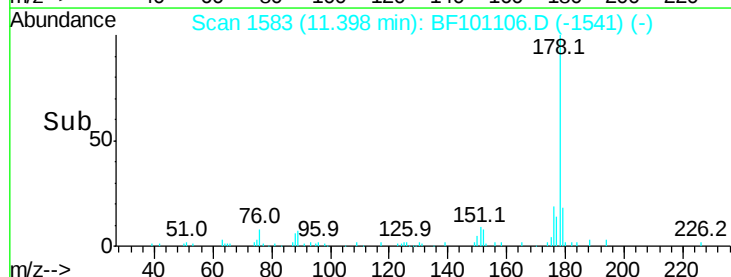
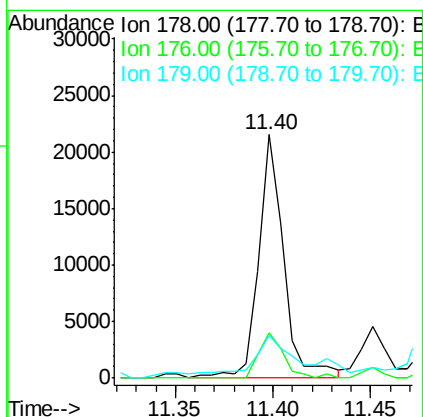
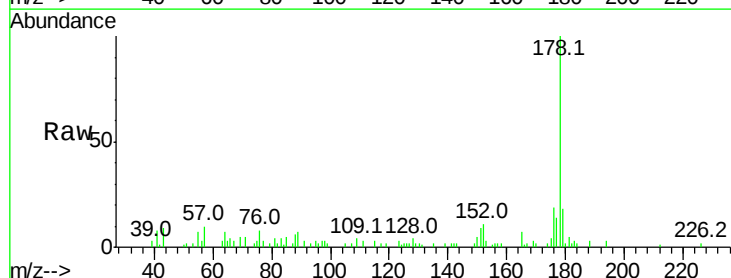
Instrument :
BNA_F
ClientSampleId :

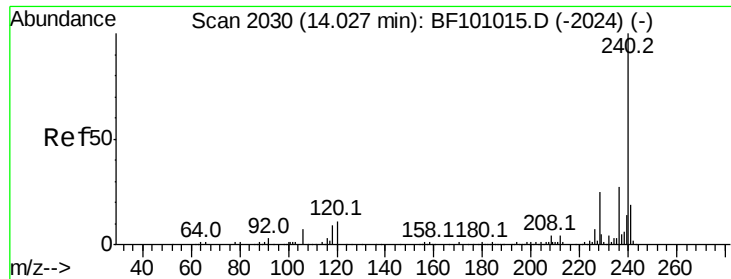
Tot Ion:178 Resp: 19255
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 17.6 13.0 19.6



#71
Anthracene
Concen: 2.087 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.05 min
Lab File: BF101106.D
Acq: 4 Dec 2017 18:56

Tgt Ion:178 Resp: 19255
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 17.6 12.6 19.0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

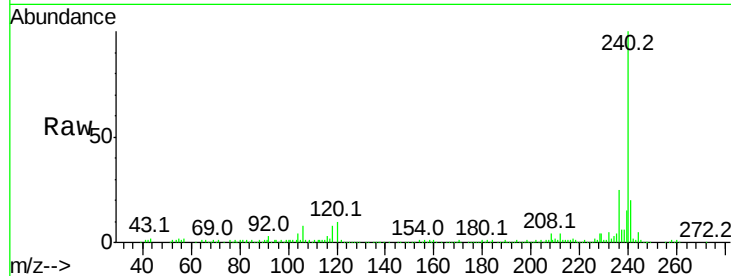
Tot Ion:240 Resp: 130516

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3

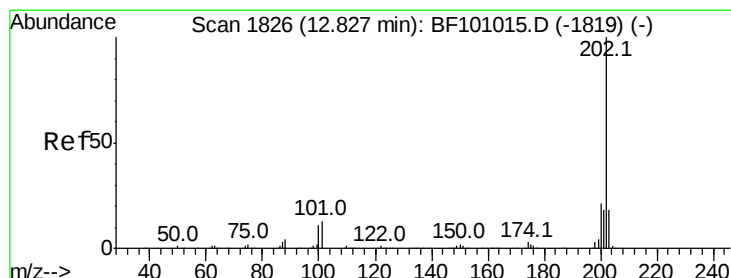
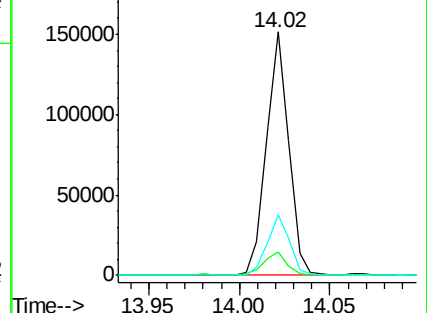
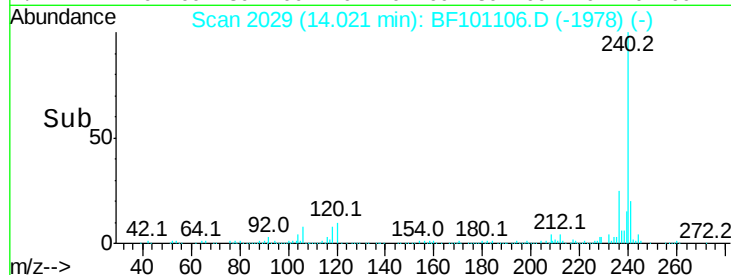
236 25.0 20.7 31.1



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: 2.061 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

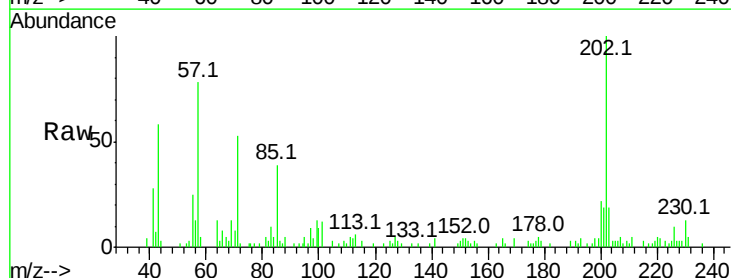
Tgt Ion:202 Resp: 18558

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

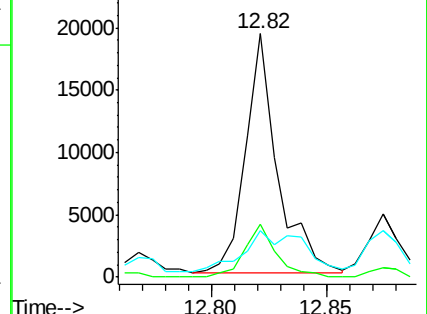
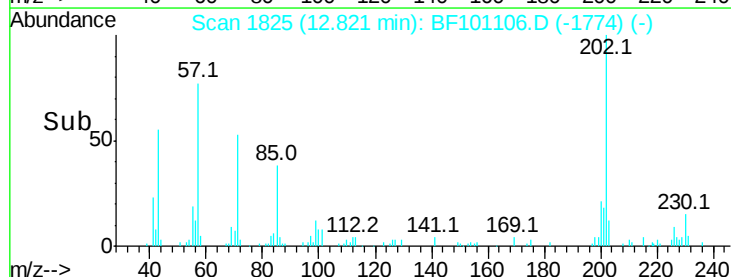
203 19.0 14.3 21.5

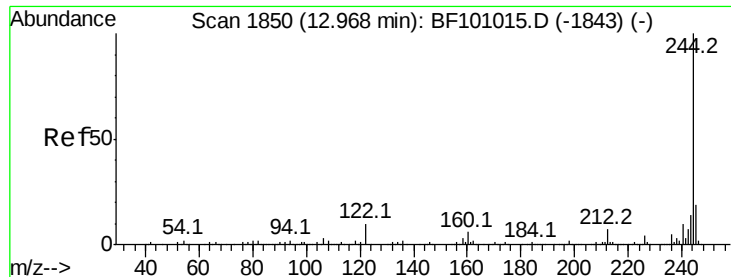


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 47.902 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

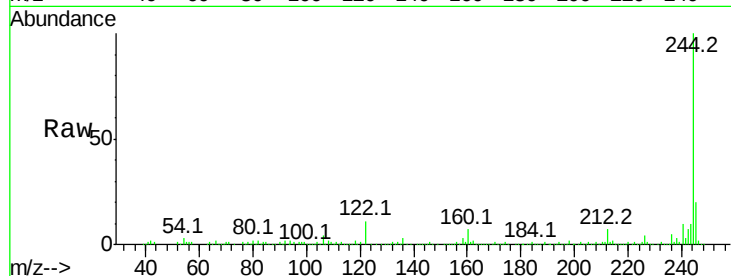
Tot Ion:244 Resp: 285835

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

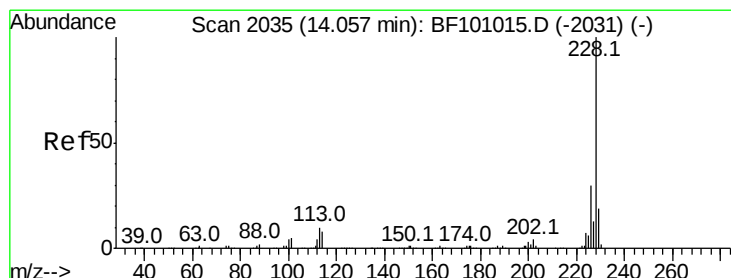
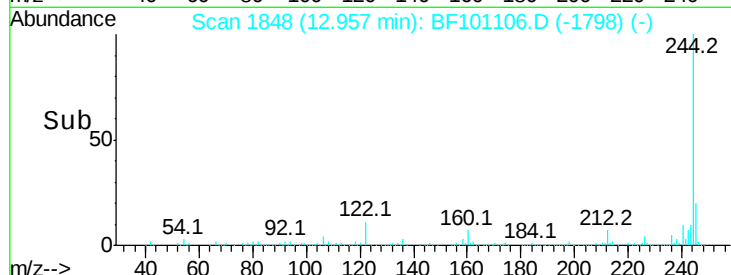
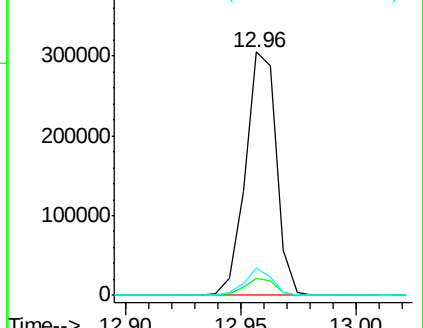
122 11.5 11.0 16.4



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: 6.212 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

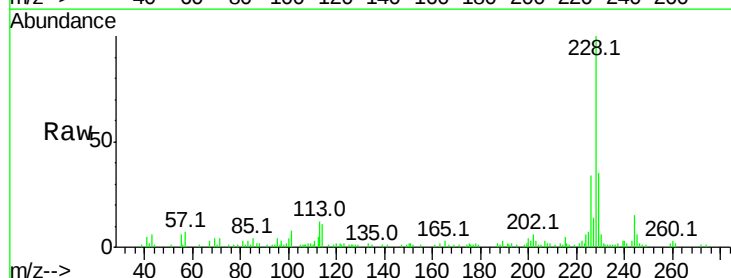
Tgt Ion:228 Resp: 47541

Ion Ratio Lower Upper

228 100

226 33.5 25.0 37.6

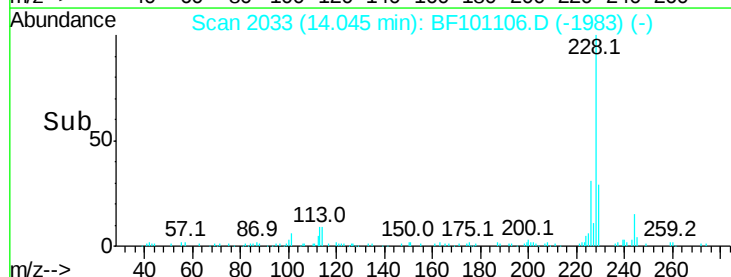
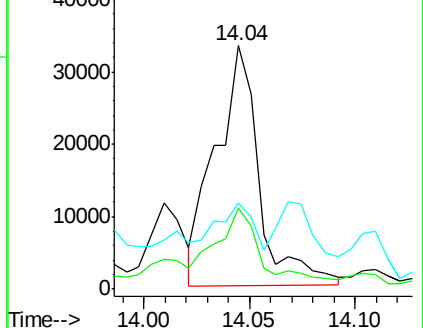
229 35.2 16.2 24.4#

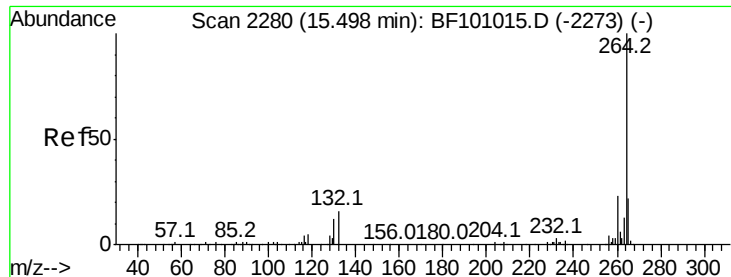


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

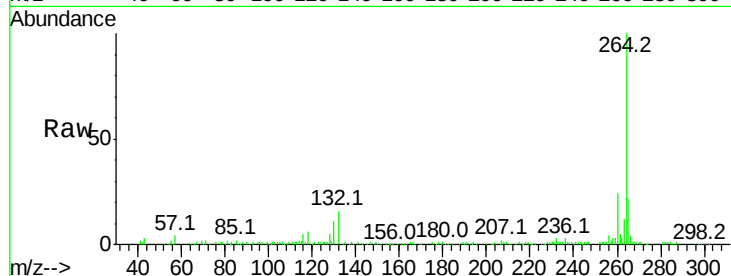




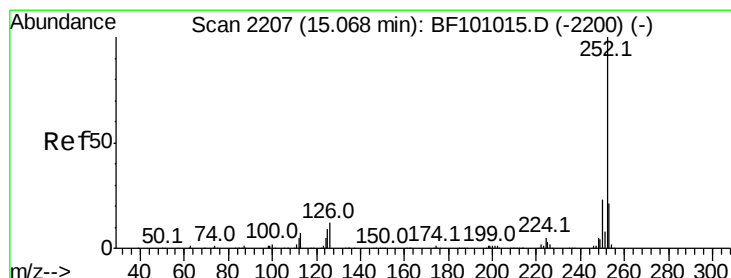
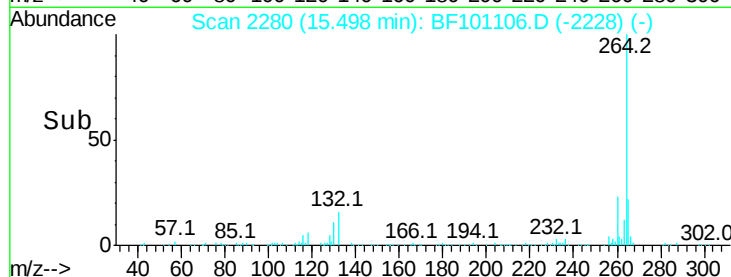
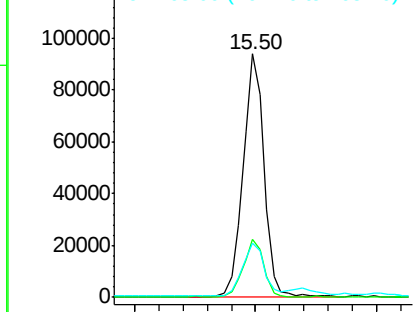
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101106.D
Acq: 4 Dec 2017 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 114369
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.5 17.5 26.3

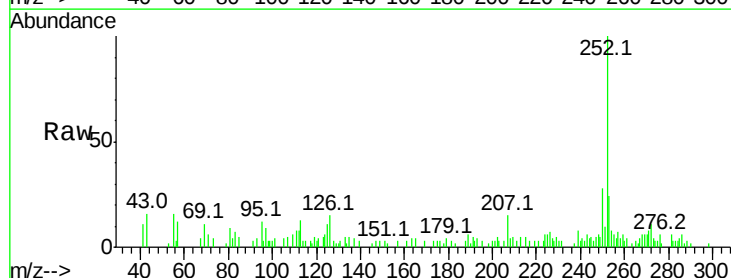


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

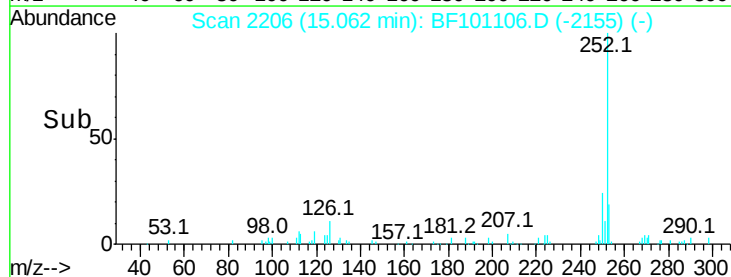
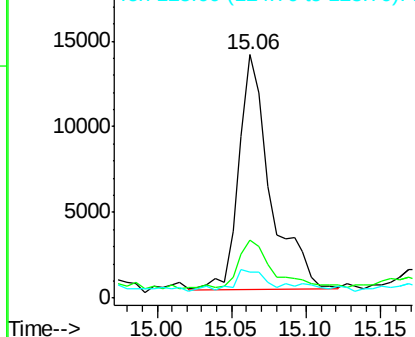


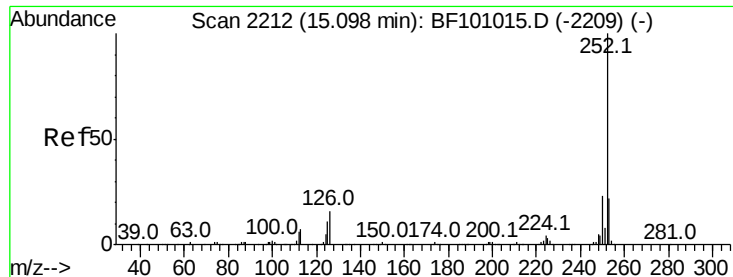
#87
Benzo(b)fluoranthene
Concen: 2.984 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101106.D
Acq: 4 Dec 2017 18:56

Tgt Ion:252 Resp: 20440
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 10.7 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: 3.029 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BF101106.D

Acq: 4 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

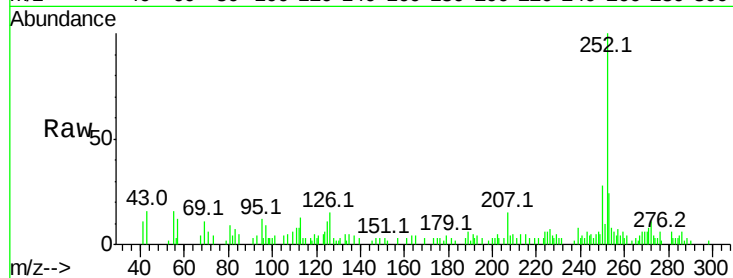
Tot Ion:252 Resp: 20440

Ion Ratio Lower Upper

252 100

253 24.0 17.9 26.9

125 10.7 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

