

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101207.D
 Acq On : 7 Dec 2017 16:09
 Operator : SJ/JU
 Sample : I6765-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 19:23:57 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	6.84	152	50824	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	193503	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	84045	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	139496	20.00	ng	0.00
75) Chrysene-d12	14.02	240	114395	20.00	ng	0.00
86) Perylene-d12	15.50	264	99916	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	293177	95.32	ng	0.00
7) Phenol-d6	6.47	99	348537	93.34	ng	0.00
23) Nitrobenzene-d5	7.40	82	210656	64.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	80857	80.09	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	438490	71.38	ng	-0.01
78) Terphenyl-d14	12.96	244	333899	63.84	ng	0.00

Target Compounds

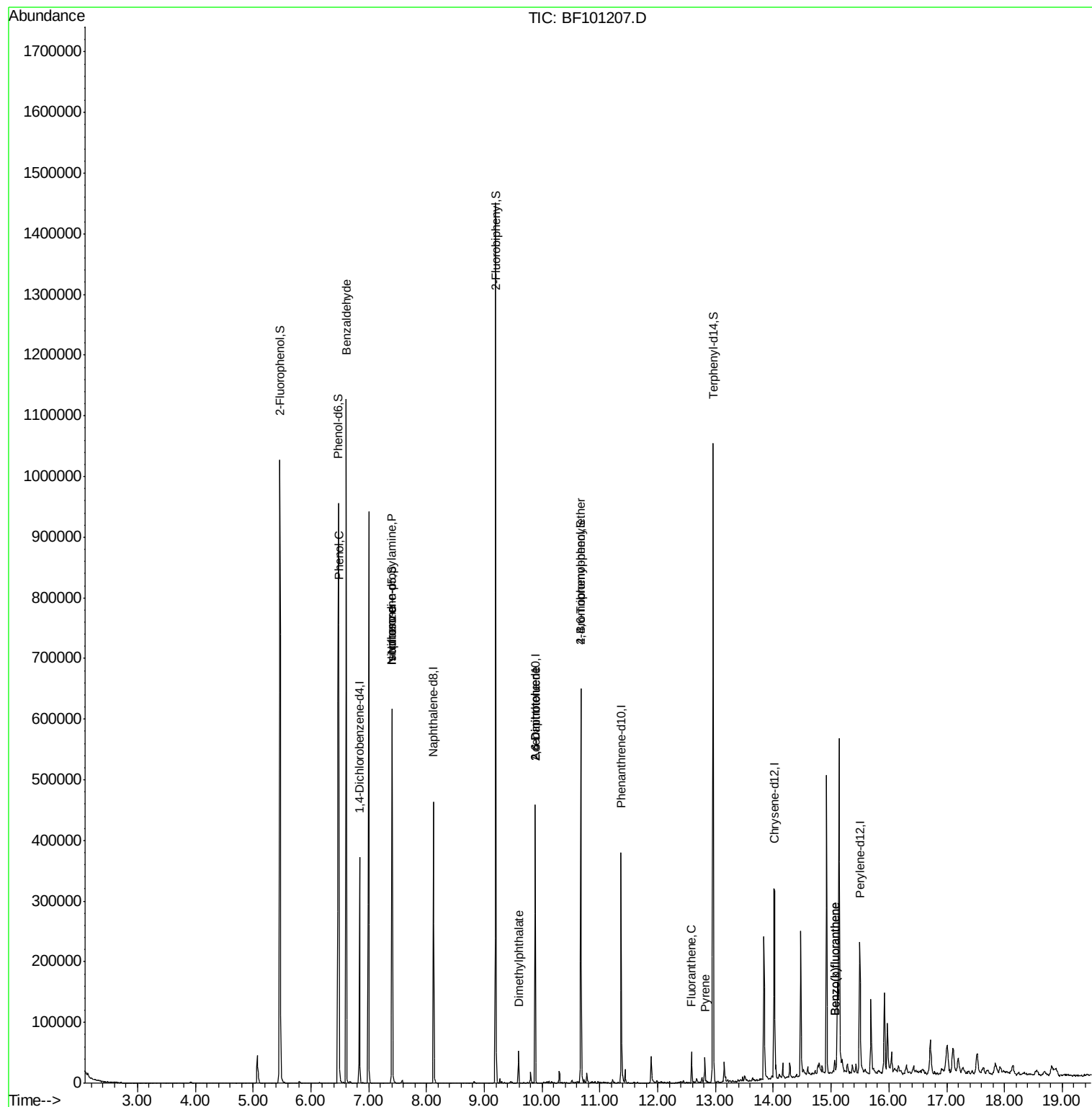
						Qvalue
9) Benzaldehyde	6.61	77	6290	2.752	ng	86
10) Phenol	6.49	94	15907	3.831	ng	89
19) n-Nitroso-di-n-propylamine	7.40	70	28330	11.265	ng	# 79
25) Isophorone	7.40	82	210652	38.018	ng	# 64
49) Dimethylphthalate	9.59	163	19777	2.918	ng	100
50) 2,6-Dinitrotoluene	9.88	165	10444	7.316	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	10444	5.459	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	4888	3.130	ng	# 1
74) Fluoranthene	12.59	202	20328	2.387	ng	94
77) Pyrene	12.82	202	16738	2.120	ng	98
87) Benzo(b)fluoranthene	15.06	252	16165	2.701	ng	96
88) Benzo(k)fluoranthene	15.06	252	16165	2.742	ng	94

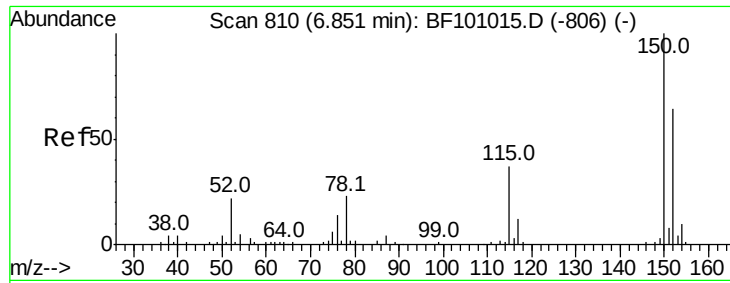
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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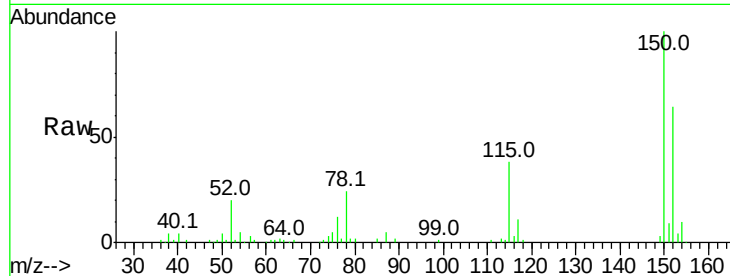




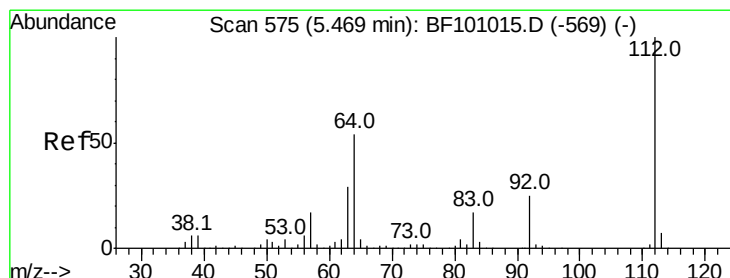
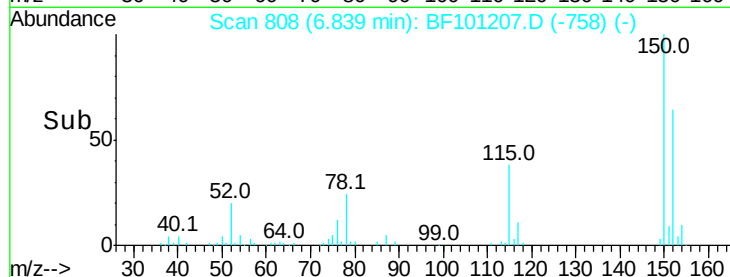
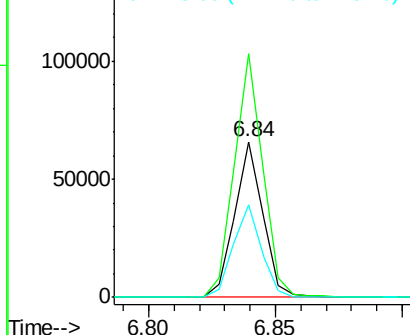
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF101207.D
 Acq: 7 Dec 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 50824
 Ion Ratio Lower Upper
 152 100
 150 156.5 124.6 186.8
 115 59.5 50.1 75.1

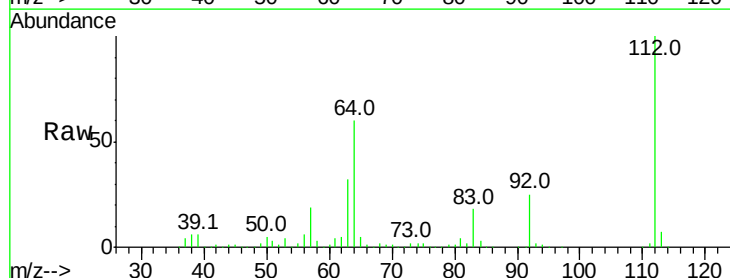


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

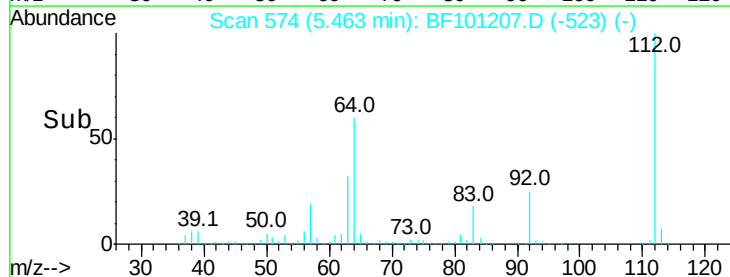
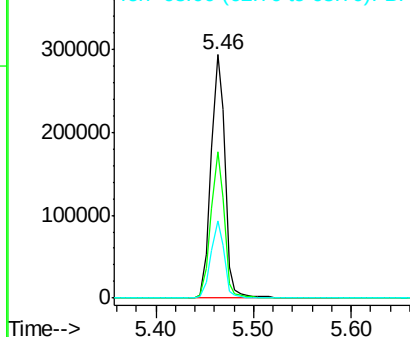


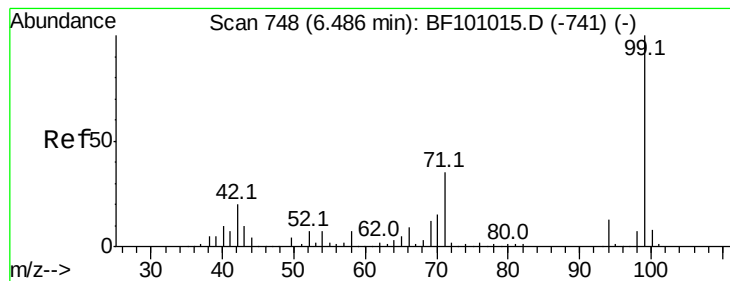
#5
 2-Fluorophenol
 Concen: 95.321 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF101207.D
 Acq: 7 Dec 2017 16:09

Tgt Ion:112 Resp: 293177
 Ion Ratio Lower Upper
 112 100
 64 60.1 47.9 71.9
 63 31.6 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: 93.337 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

Instrument :

BNA_F

ClientSampled :

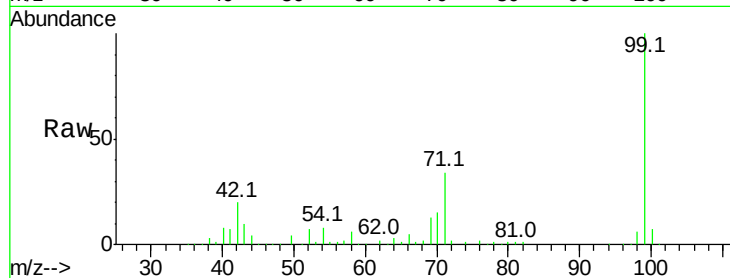
Tot Ion: 99 Resp: 348537

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

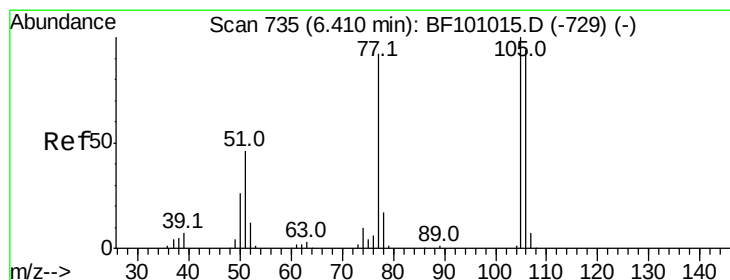
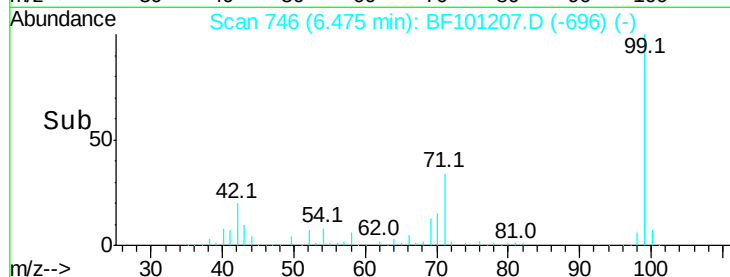
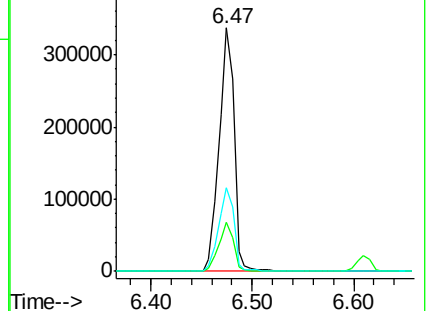
71 34.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.752 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.21 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

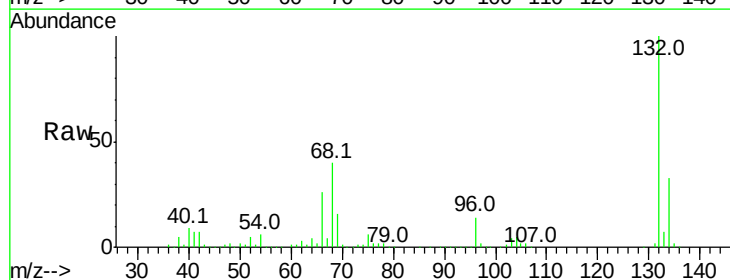
Tgt Ion: 77 Resp: 6290

Ion Ratio Lower Upper

77 100

105 90.5 81.1 121.1

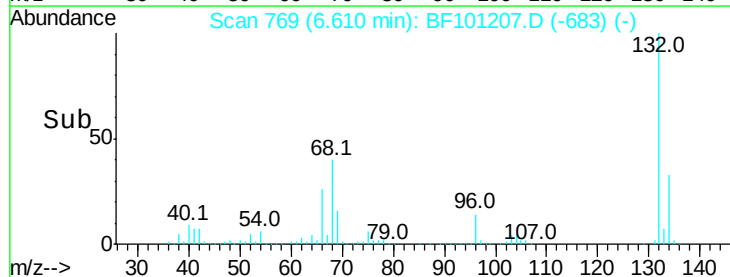
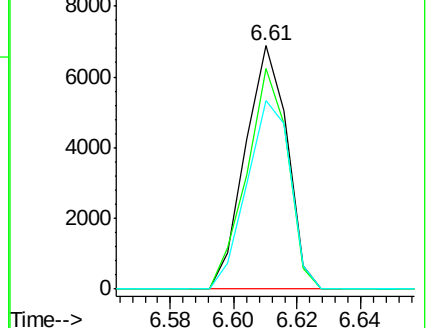
106 77.5 74.5 114.5

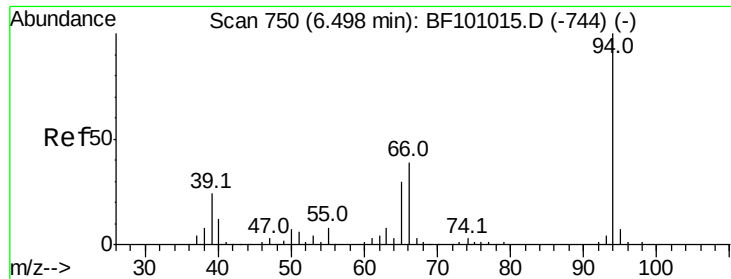


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

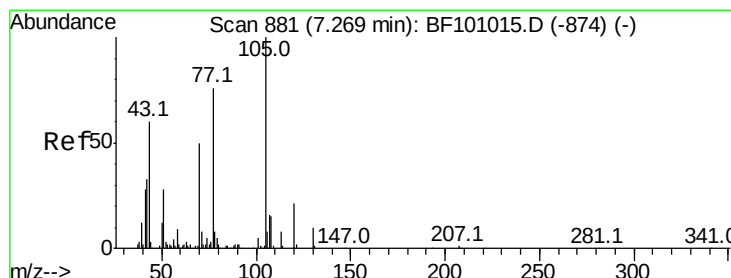
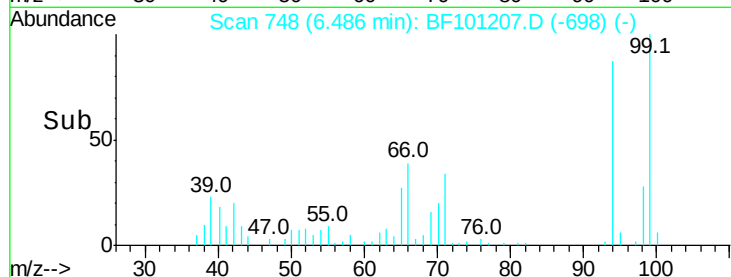
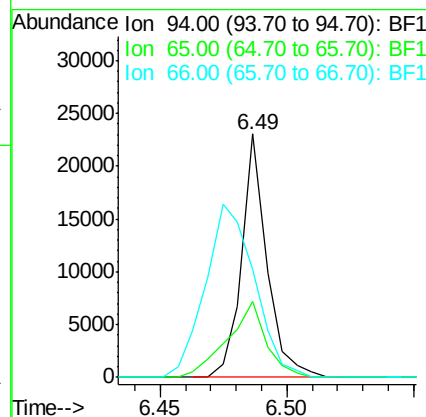
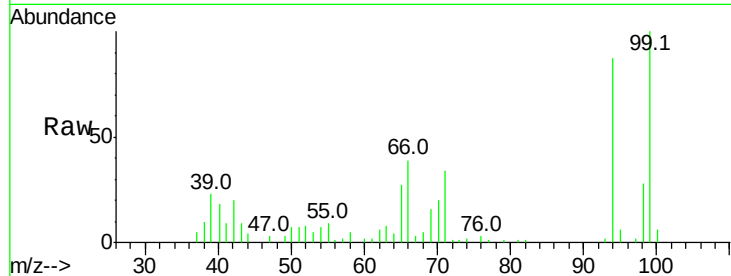




#10
Phenol
Concen: 3.831 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

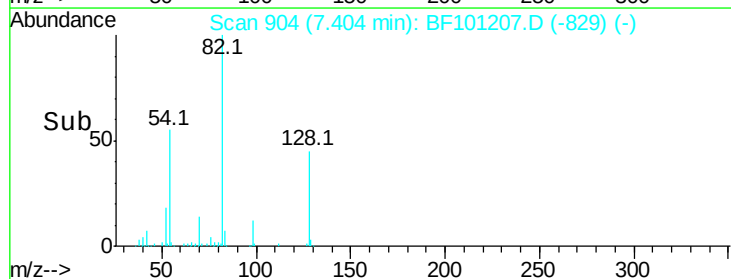
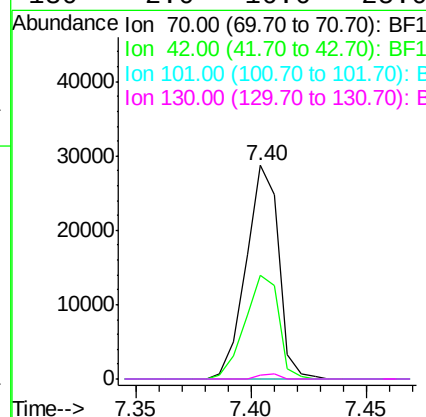
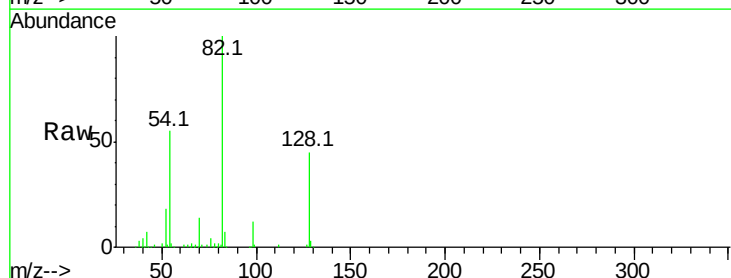
Instrument :
BNA_F
ClientSampleId :

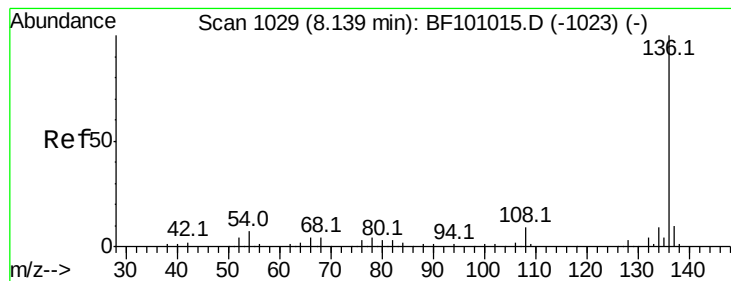
Tot Ion: 94 Resp: 15907
Ion Ratio Lower Upper
94 100
65 31.3 7.9 47.9
66 44.4 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.265 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Tgt Ion: 70 Resp: 28330
Ion Ratio Lower Upper
70 100
42 48.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#

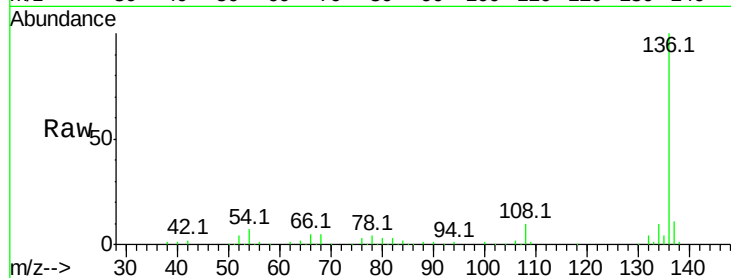




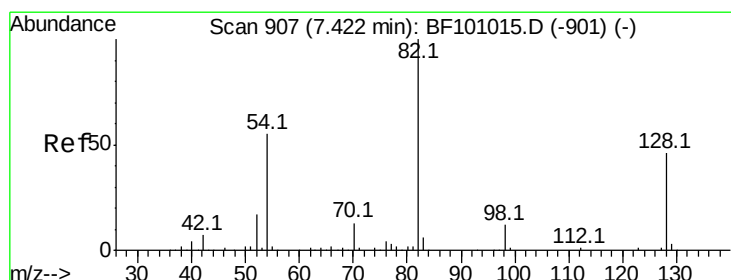
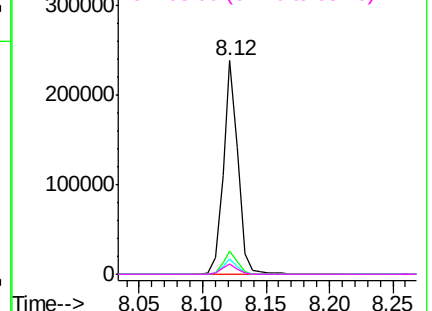
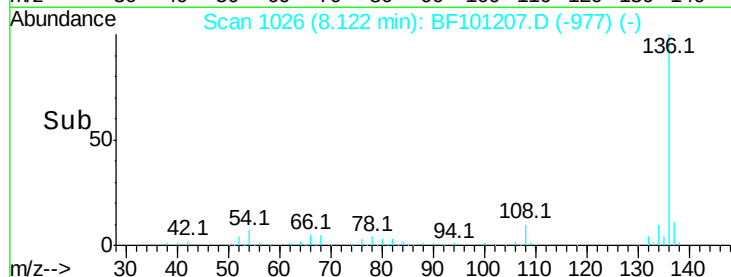
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	193503
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	7.1	6.6 9.8
68	4.8	5.0 7.4#

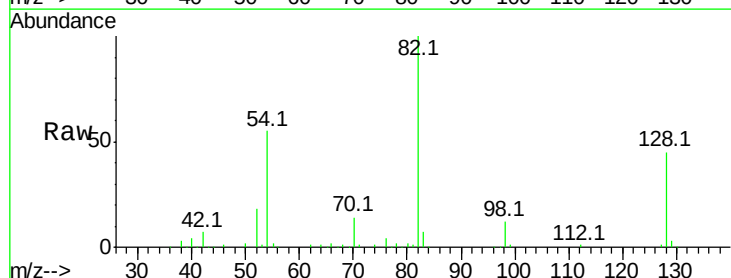


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

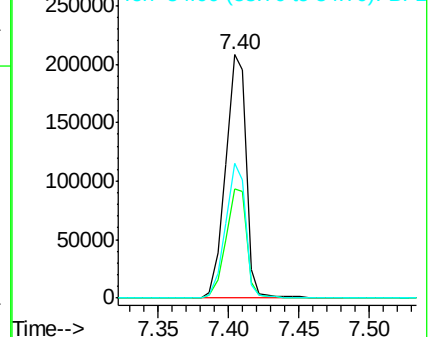
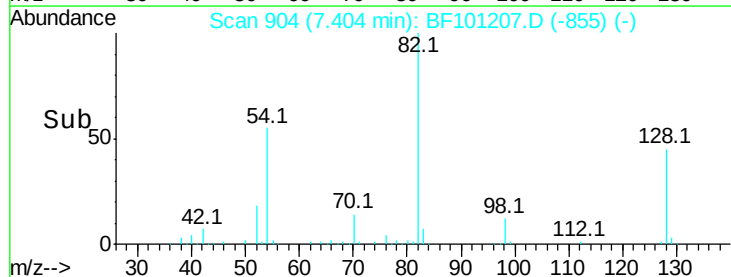


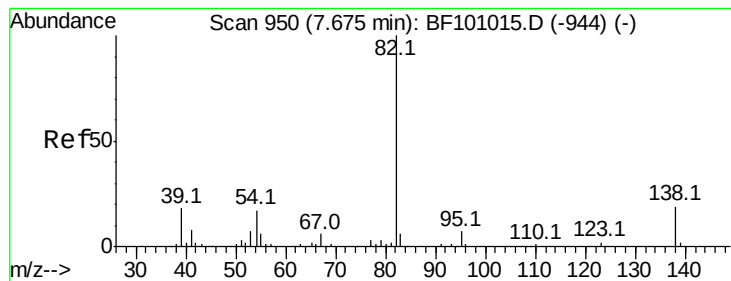
#23
Nitrobenzene-d5
Concen: 64.941 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Tgt Ion: 82	Resp:	210656
Ion Ratio	Lower	Upper
82	100	
128	44.9	36.1 54.1
54	55.2	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: 38.018 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

Instrument :

BNA_F

ClientSampleId :

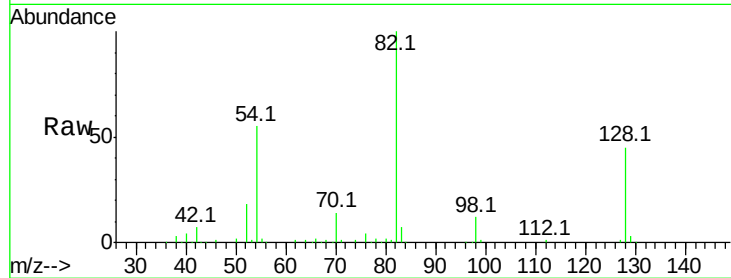
Tot Ion: 82 Resp: 210652

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

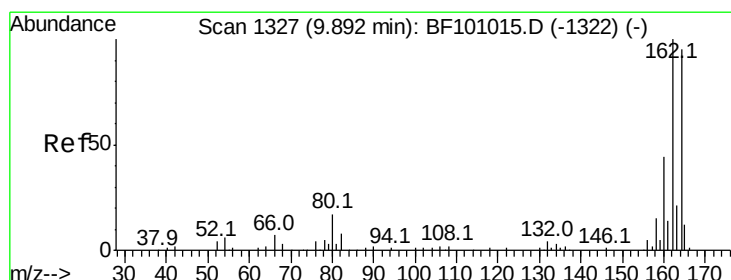
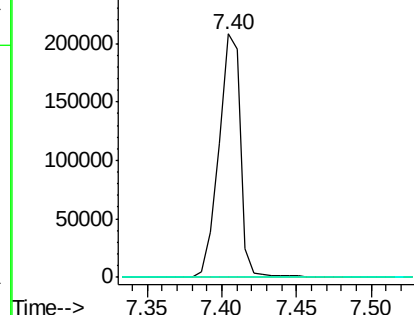
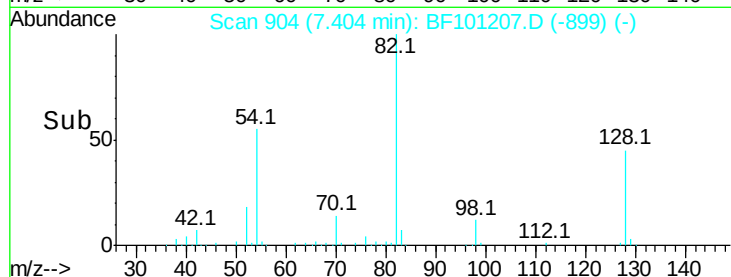
138 0.0 14.9 22.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

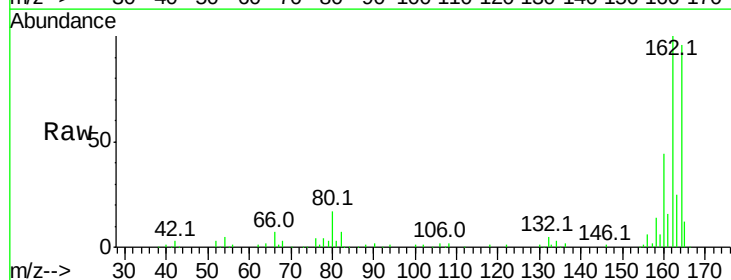
Tgt Ion:164 Resp: 84045

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

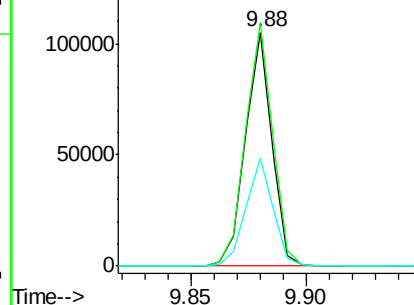
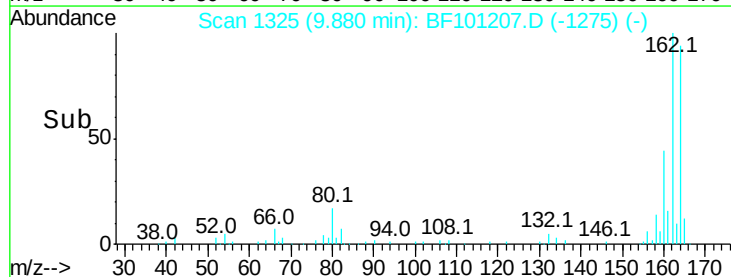
160 46.2 38.3 57.5

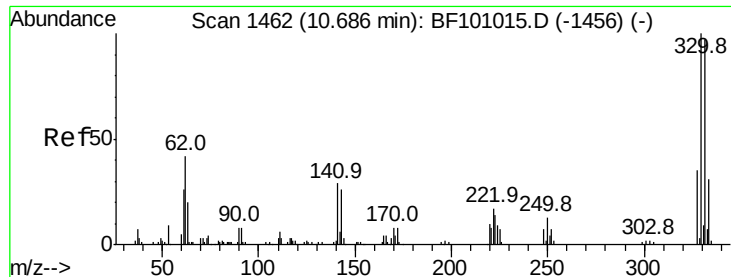


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 80.087 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

Instrument :

BNA_F

ClientSampled :

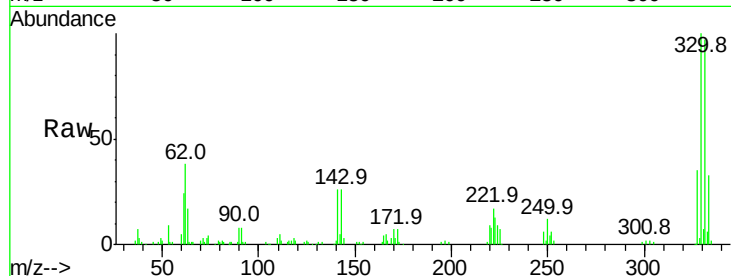
Tot Ion:330 Resp: 80857

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

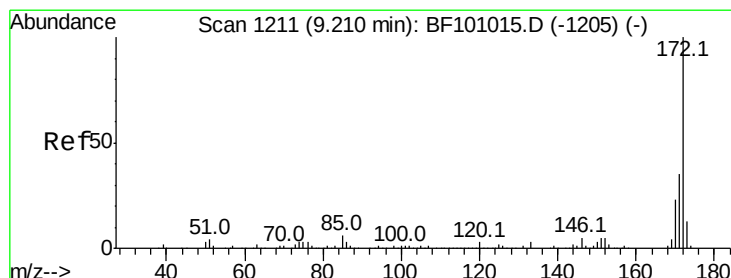
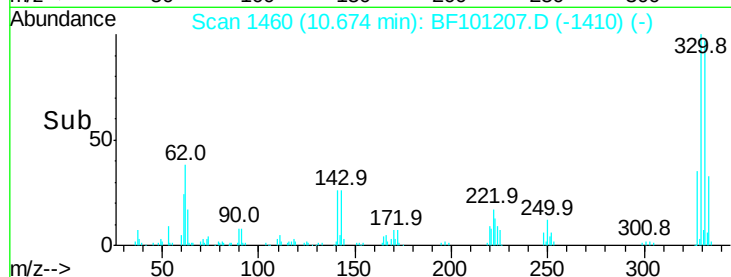
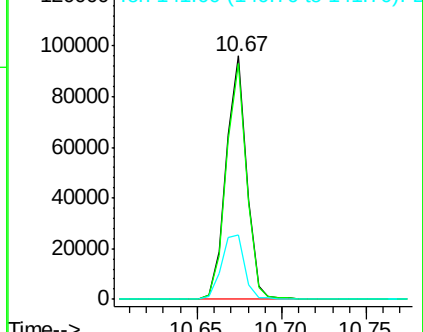
141 29.9 29.9 44.9



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: 71.383 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

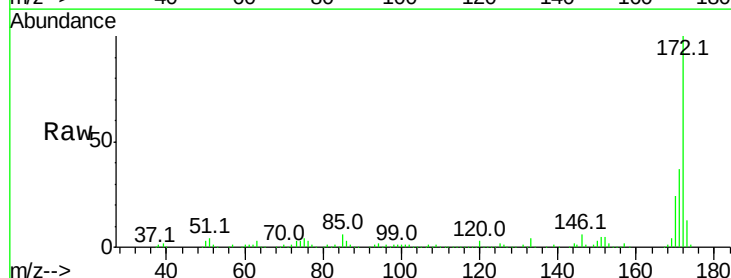
Tgt Ion:172 Resp: 438490

Ion Ratio Lower Upper

172 100

171 36.5 29.7 44.5

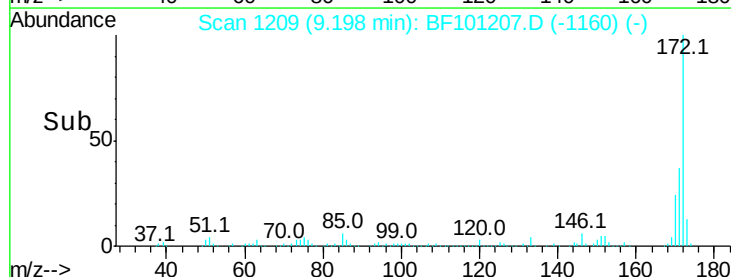
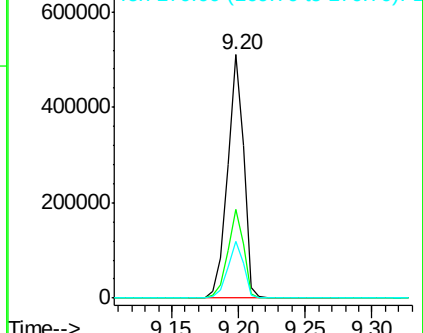
170 23.5 19.6 29.4

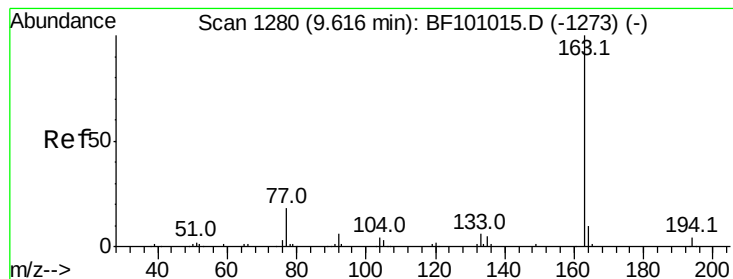


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.918 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

Instrument :

BNA_F

ClientSampleId :

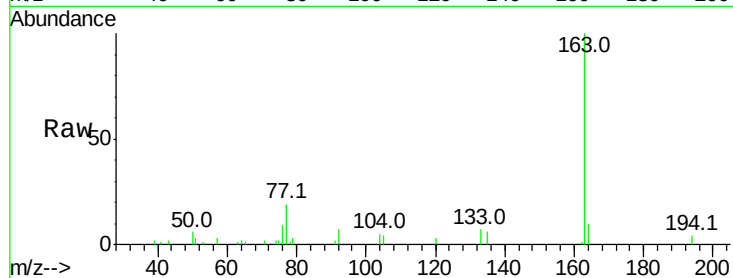
Tot Ion:163 Resp: 19777

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

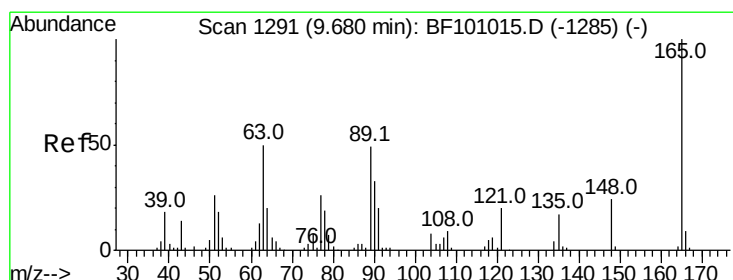
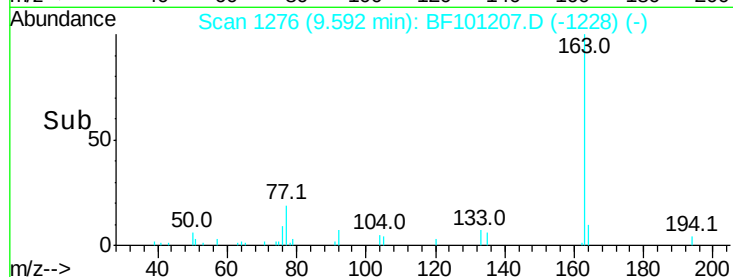
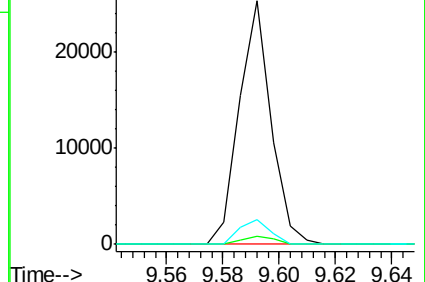
164 10.1 8.2 12.2



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: 7.316 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

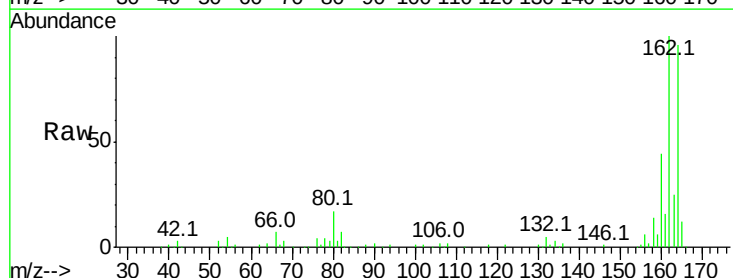
Tgt Ion:165 Resp: 10444

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

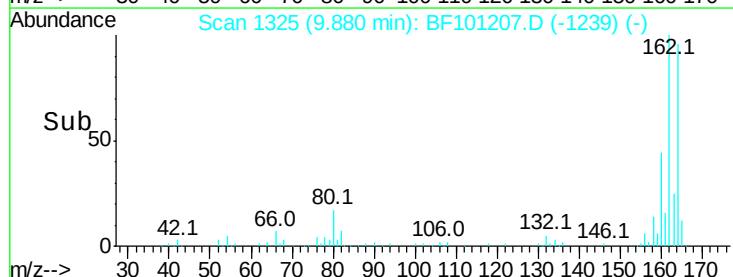
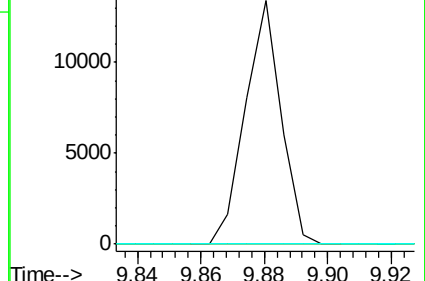
89 0.0 44.0 66.0#

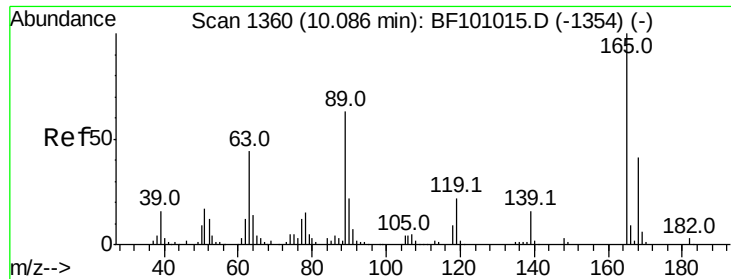


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

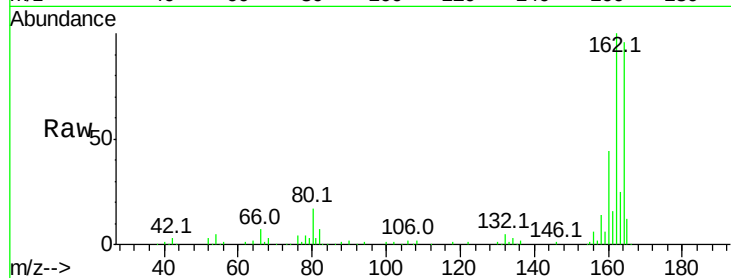




#56
 2,4-Dinitrotoluene
 Concen: 5.459 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101207.D
 Acq: 7 Dec 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	10444
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#

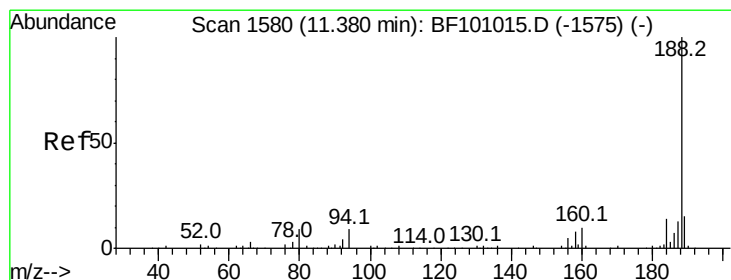
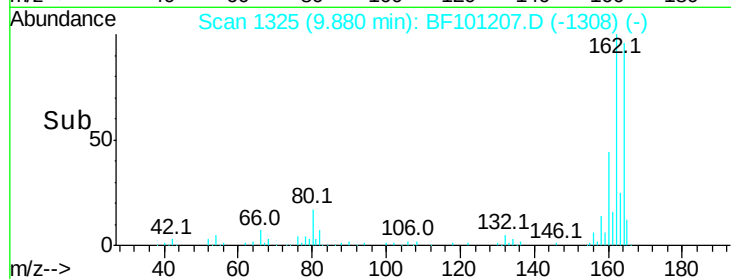
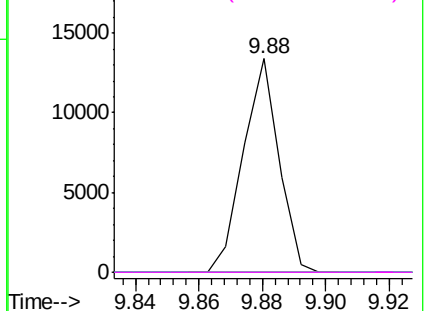


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

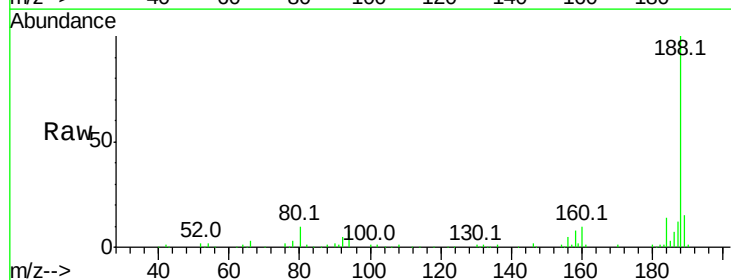
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF101207.D
 Acq: 7 Dec 2017 16:09

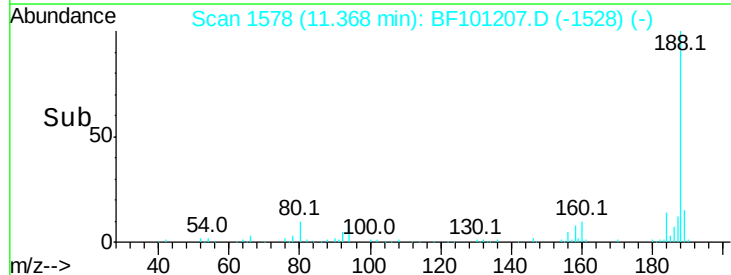
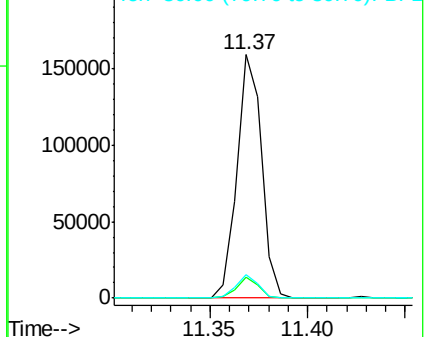
Tgt Ion:188	Resp:	139496
Ion Ratio	Lower	Upper
188	100	
94	8.5	8.5 12.7
80	9.6	9.2 13.8

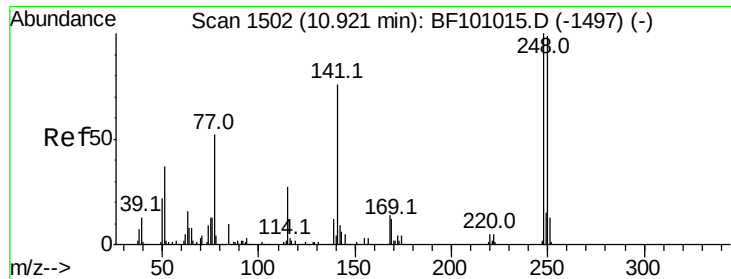


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

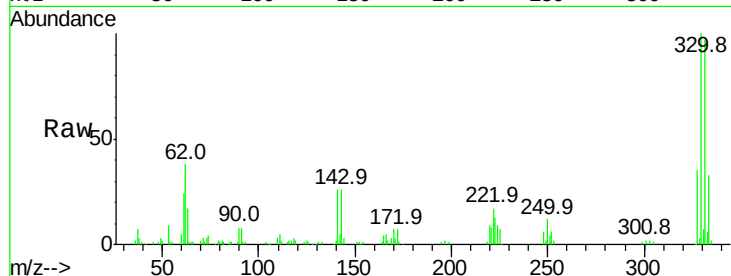




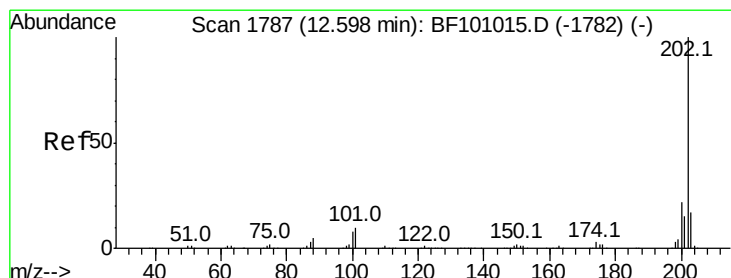
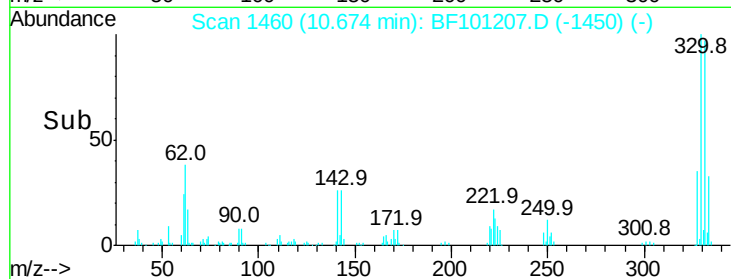
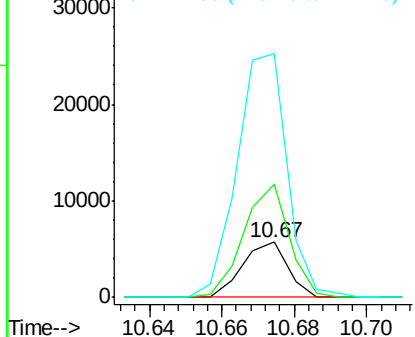
#66
4-Bromophenyl-phenylether
Concen: 3.130 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 4888
Ion Ratio Lower Upper
248 100
250 205.3 76.9 115.3#
141 443.4 74.4 111.6#

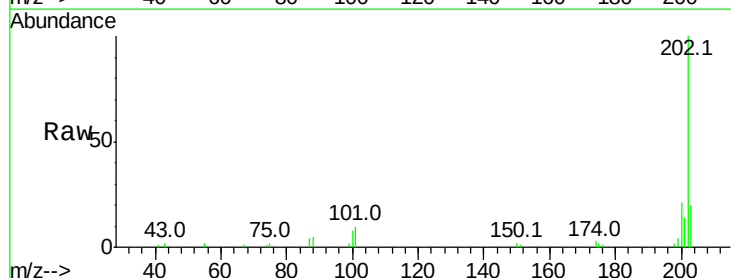


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

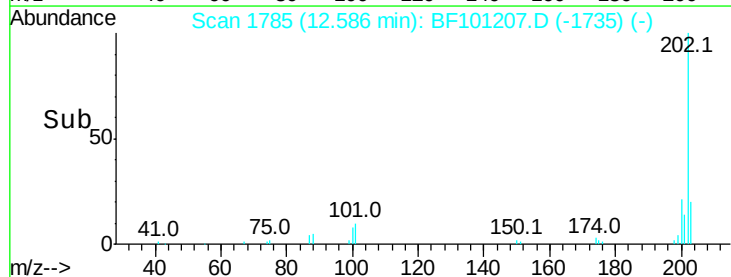
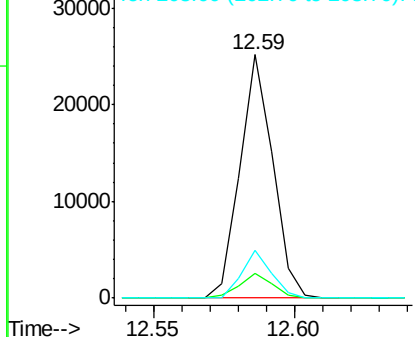


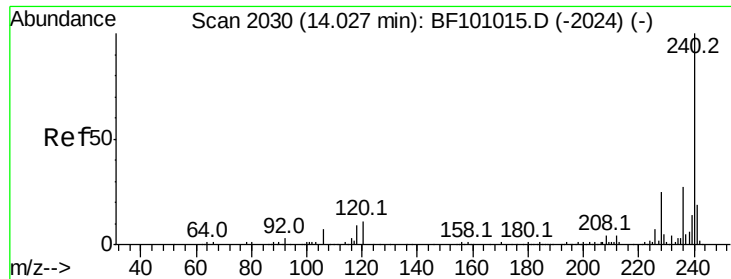
#74
Fluoranthene
Concen: 2.387 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Tgt Ion:202 Resp: 20328
Ion Ratio Lower Upper
202 100
101 10.3 0.0 34.1
203 19.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

Instrument :

BNA_F

ClientSampleId :

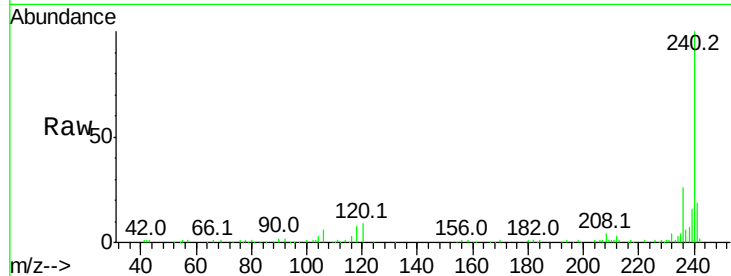
Tot Ion:240 Resp: 114395

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

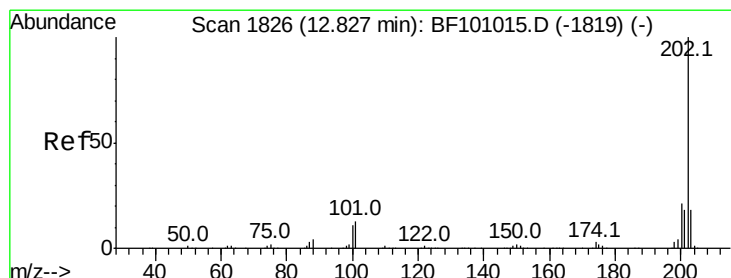
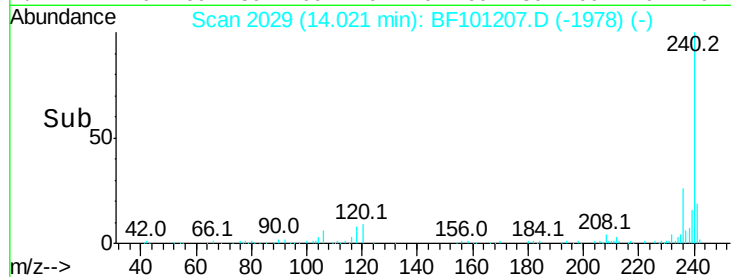
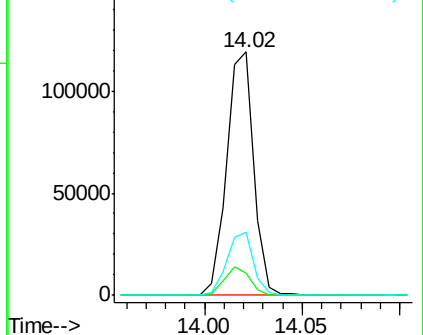
236 26.0 20.7 31.1



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: 2.120 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

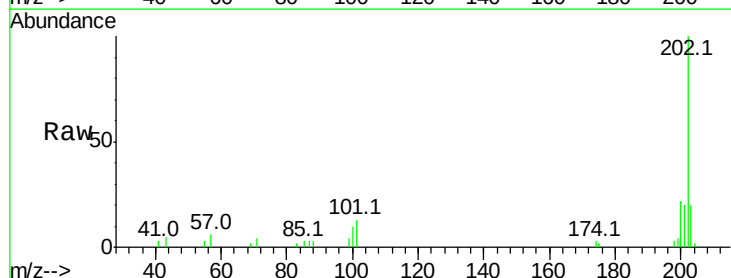
Tgt Ion:202 Resp: 16738

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

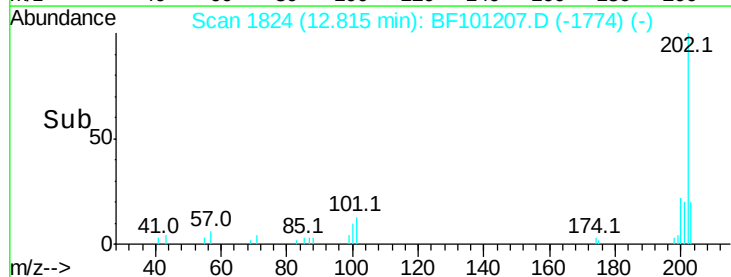
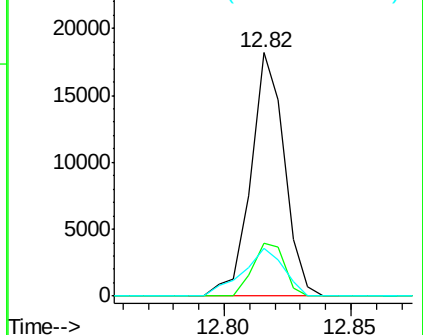
203 19.7 14.3 21.5

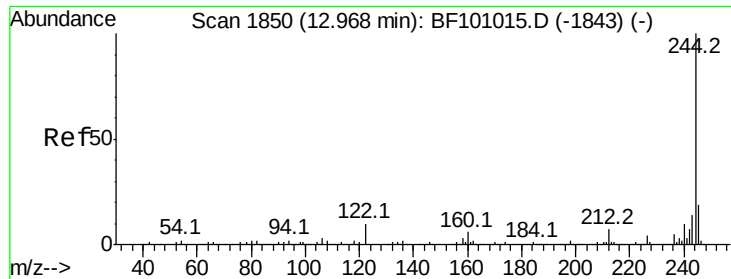


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

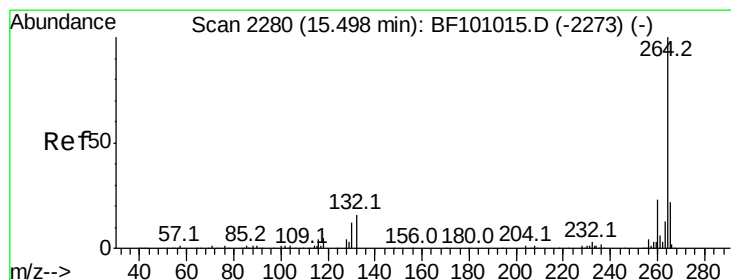
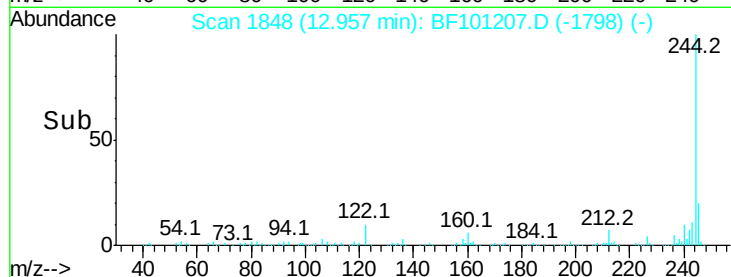
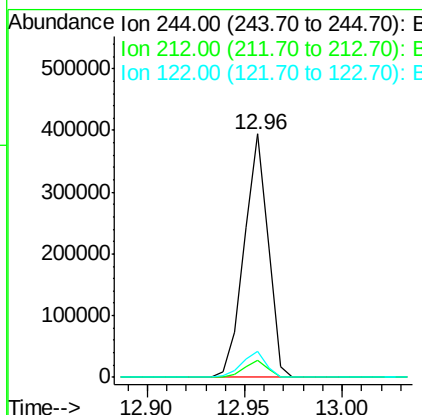
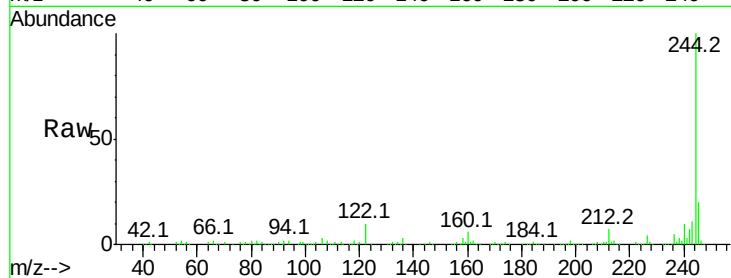




#78
 Terphenyl-d14
 Concen: 63.842 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101207.D
 Acq: 7 Dec 2017 16:09

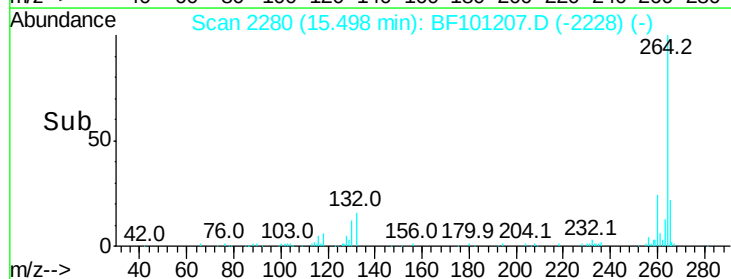
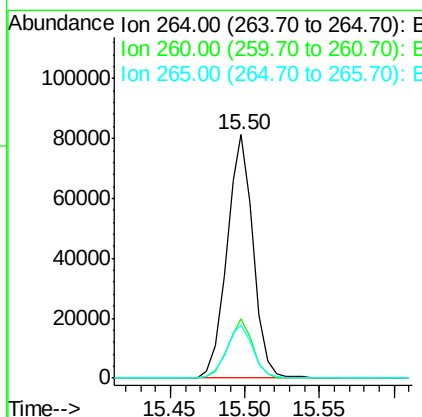
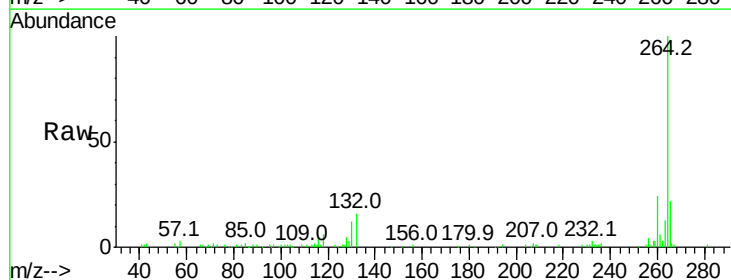
Instrument :
 BNA_F
 ClientSampleId :

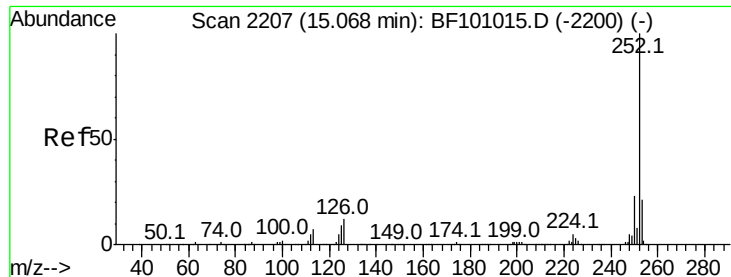
Tot Ion:244 Resp: 333899
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.5 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF101207.D
 Acq: 7 Dec 2017 16:09

Tgt Ion:264 Resp: 99916
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.8 17.5 26.3

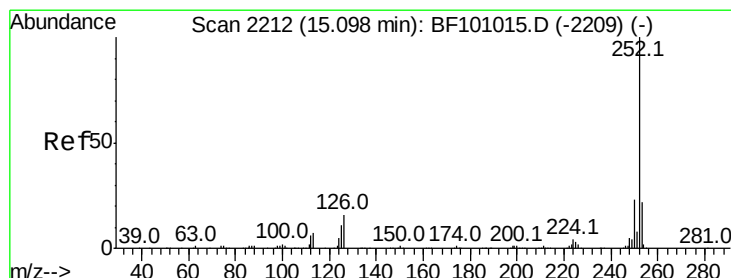
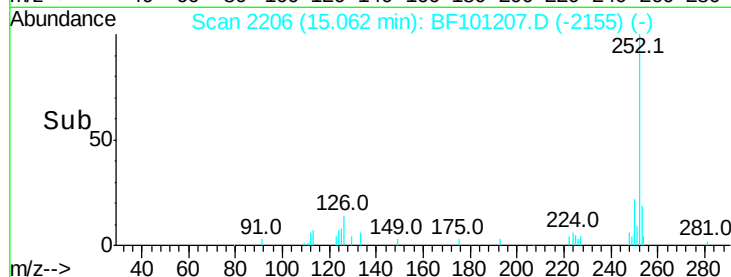
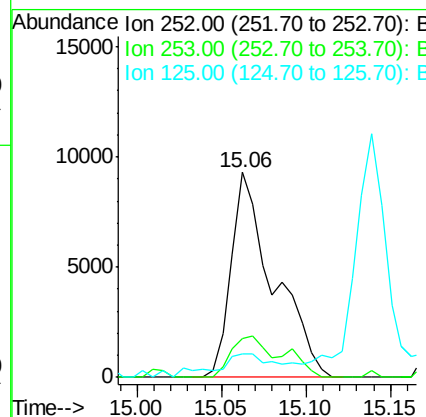
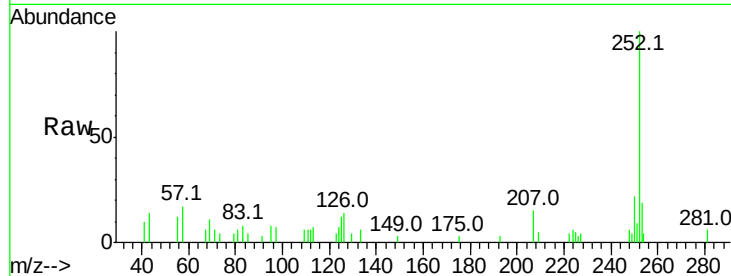




#87
Benzo(b)fluoranthene
Concen: 2.701 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	18.7	17.0	25.6
125	11.7	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 2.742 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	18.7	17.9	26.9
125	11.7	10.2	15.2

