

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101093.D
 Acq On : 4 Dec 2017 13:09
 Operator : SJ/JU
 Sample : I6620-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 04 14:51:22 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

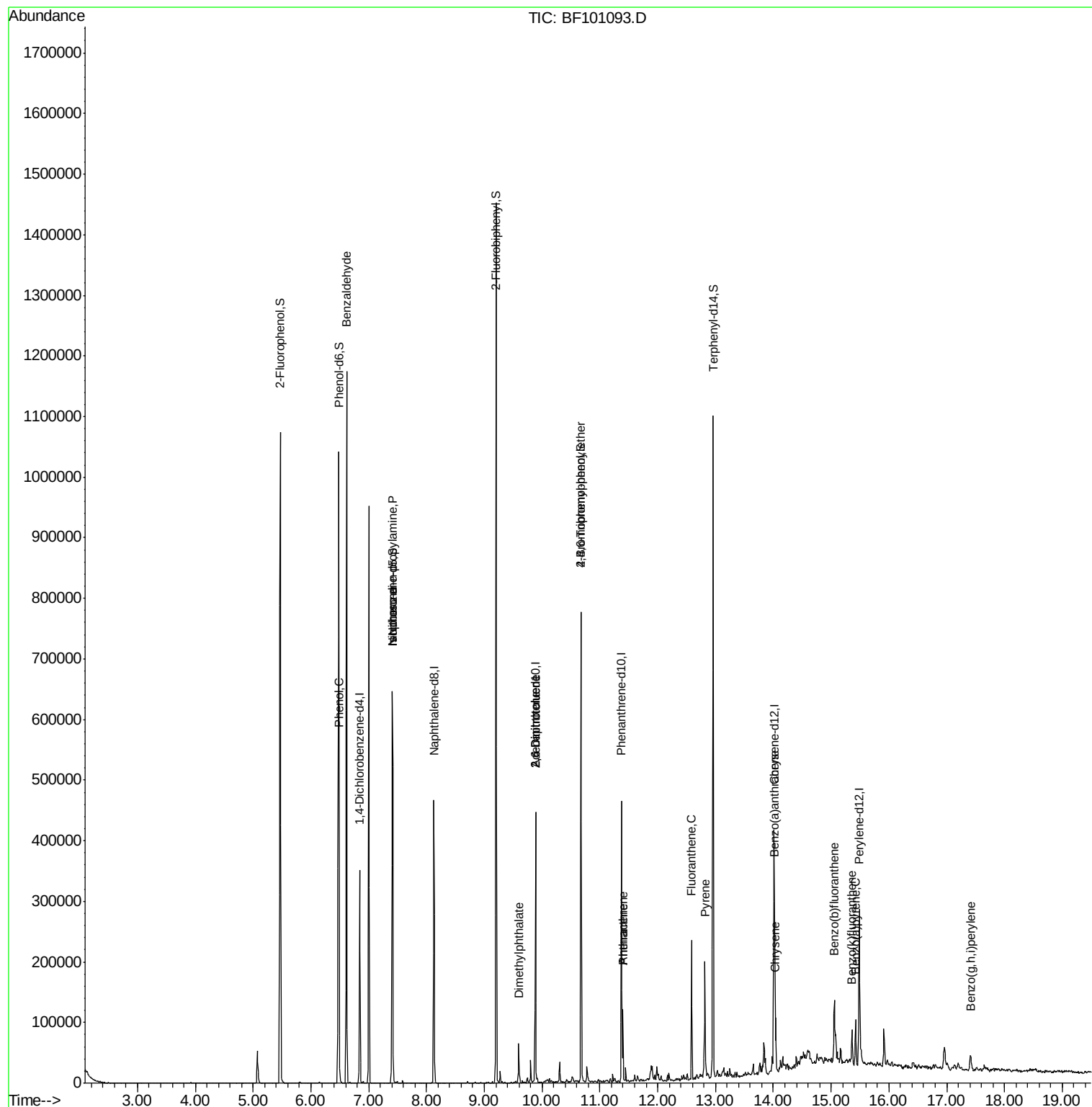
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	49650	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	193682	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	88969	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	160894	20.00	ng	0.00
75) Chrysene-d12	14.02	240	114158	20.00	ng	0.00
86) Perylene-d12	15.49	264	120852	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	283630	94.40	ng	0.00
7) Phenol-d6	6.48	99	342172	93.80	ng	0.00
23) Nitrobenzene-d5	7.41	82	205624	63.33	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	90297	84.49	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	429022	65.98	ng	0.00
78) Terphenyl-d14	12.96	244	352238	67.49	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	6356	2.85	ng	85
10) Phenol	6.49	94	10809	2.66	ng	97
19) n-Nitroso-di-n-propylamine	7.41	70	27402	11.15	ng	# 83
25) Isophorone	7.41	82	205621	37.08	ng	# 64
49) Dimethylphthalate	9.60	163	26264	3.66	ng	# 95
50) 2,6-Dinitrotoluene	9.88	165	11738	7.77	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	11738	5.80	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	5477	3.04	ng	# 1
70) Phenanthrene	11.40	178	46590	5.26	ng	96
71) Anthracene	11.40	178	46590	5.20	ng	97
74) Fluoranthene	12.59	202	84523	8.61	ng	93
77) Pylene	12.82	202	72726	9.23	ng	97
80) Benzo(a)anthracene	14.00	228	38639	5.36	ng	100
82) Chrysene	14.04	228	34336	5.13	ng	98
87) Benzo(b)fluoranthene	15.06	252	70497	9.74	ng	96
88) Benzo(k)fluoranthene	15.36	252	23142	3.24	ng	98
89) Benzo(a)pyrene	15.43	252	35899	5.46	ng	95
91) Benzo(g,h,i)perylene	17.42	276	22609	4.14	ng	# 88

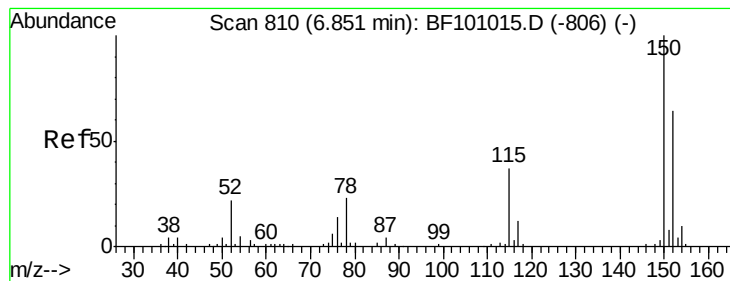
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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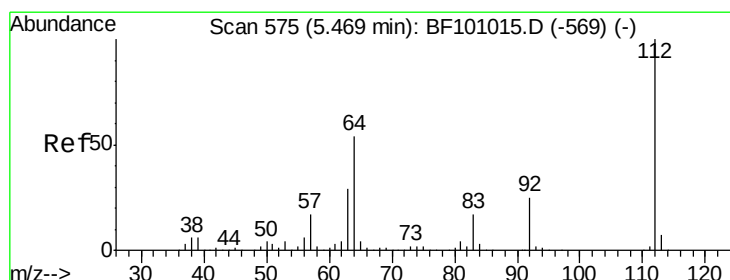
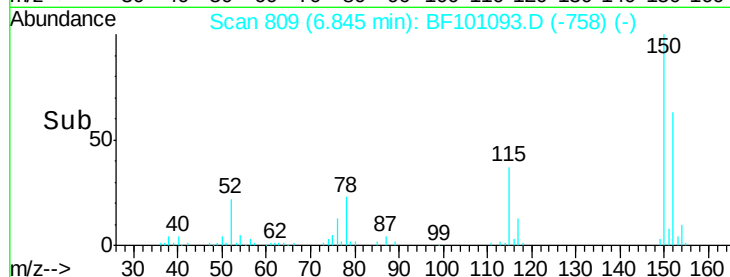
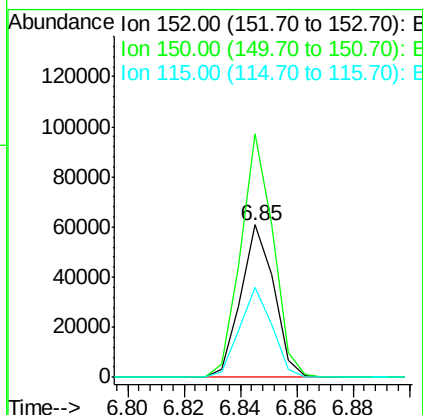
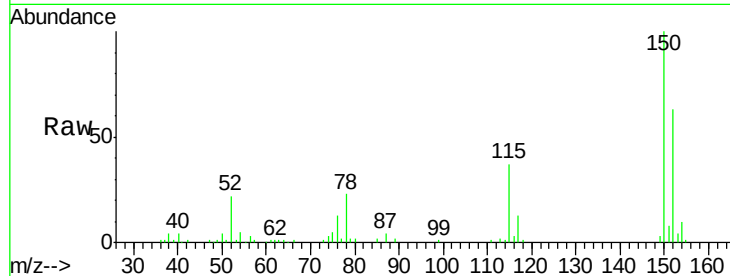


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampleId :

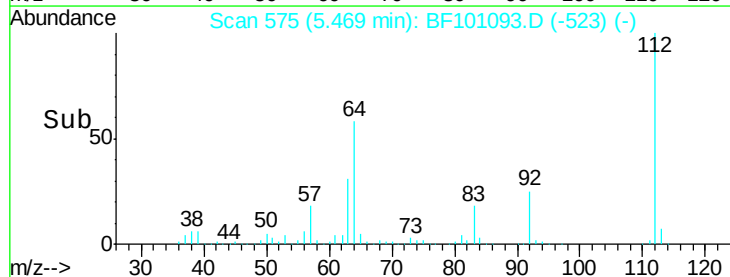
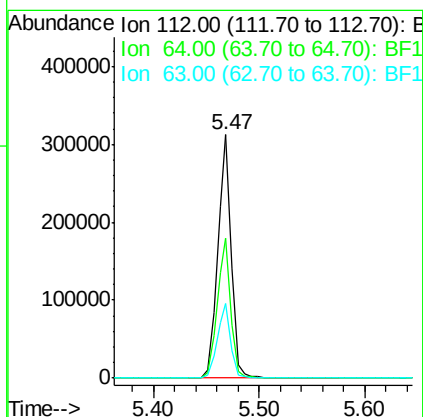
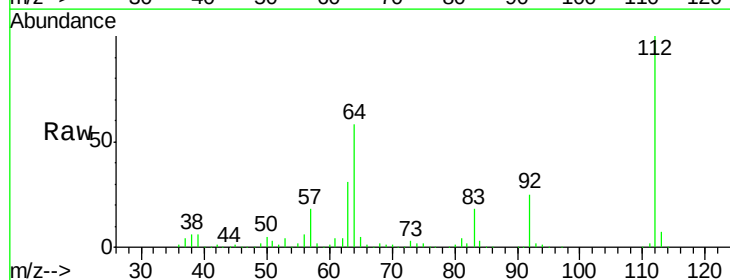
Tot Ion:152 Resp: 49650
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 59.4 50.1 75.1

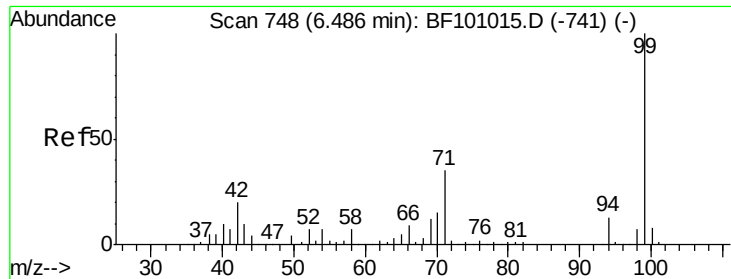


#5

2-Fluorophenol
Concen: 94.40 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion:112 Resp: 283630
Ion Ratio Lower Upper
112 100
64 57.5 47.9 71.9
63 30.8 23.7 35.5





#7

Phenol-d6

Concen: 93.80 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

Instrument :

BNA_F

ClientSampled :

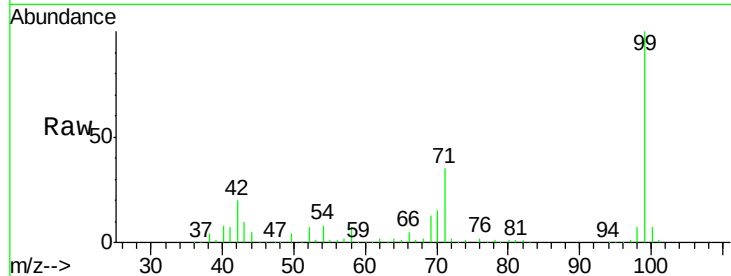
Tot Ion: 99 Resp: 342172

Ion Ratio Lower Upper

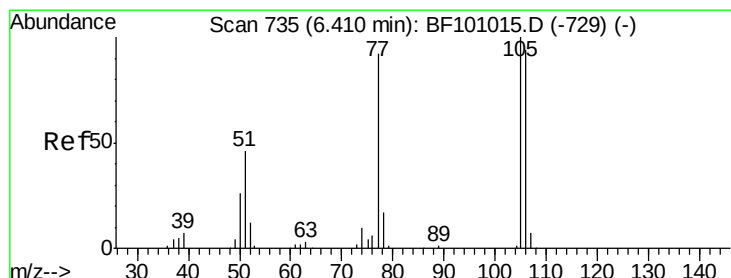
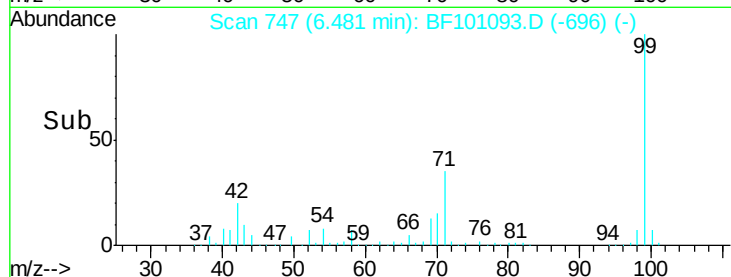
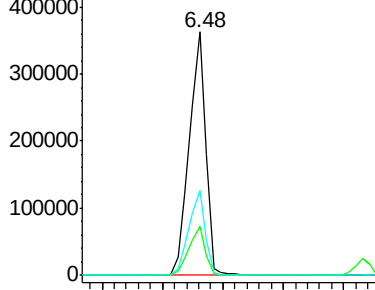
99 100

42 20.0 14.5 21.7

71 34.6 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: 2.85 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

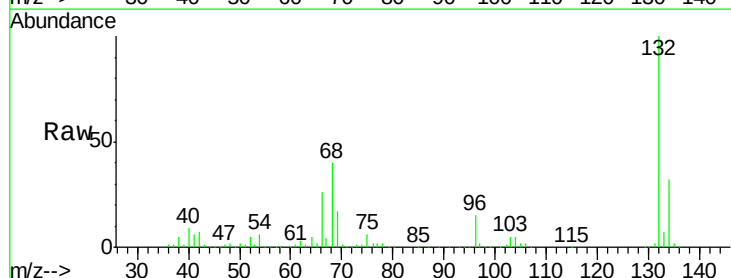
Tgt Ion: 77 Resp: 6356

Ion Ratio Lower Upper

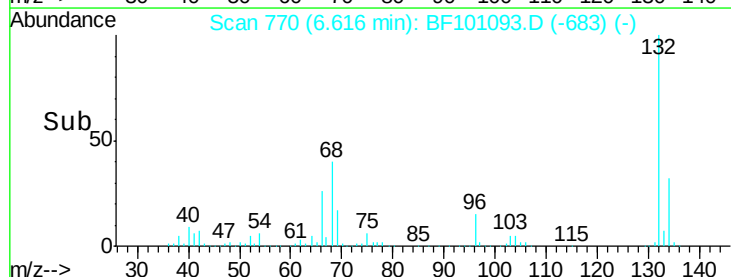
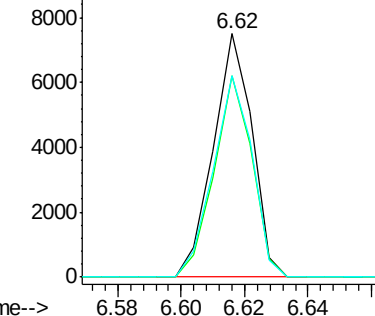
77 100

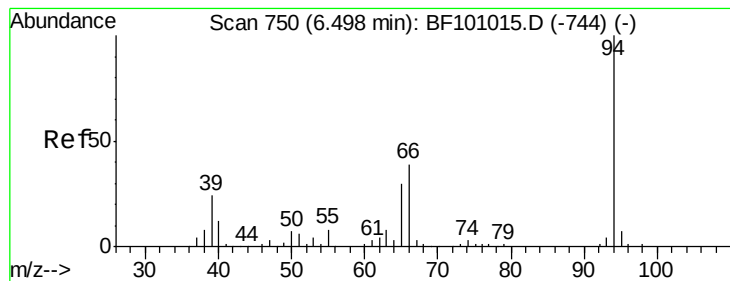
105 82.6 81.1 121.1

106 82.5 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: 2.66 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

Instrument :

BNA_F

ClientSampleId :

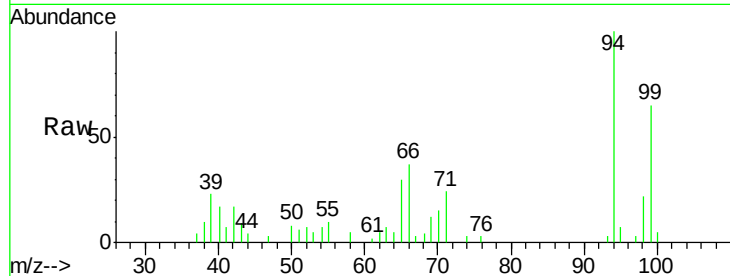
Tot Ion: 94 Resp: 10809

Ion Ratio Lower Upper

94 100

65 29.9 7.9 47.9

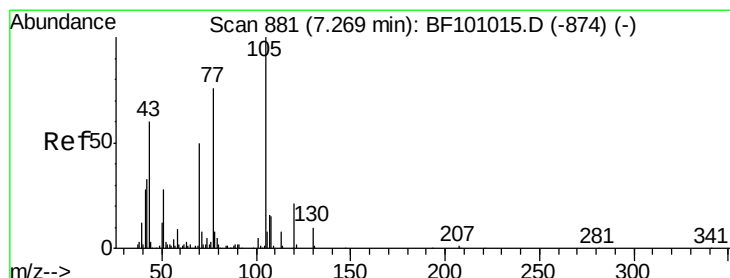
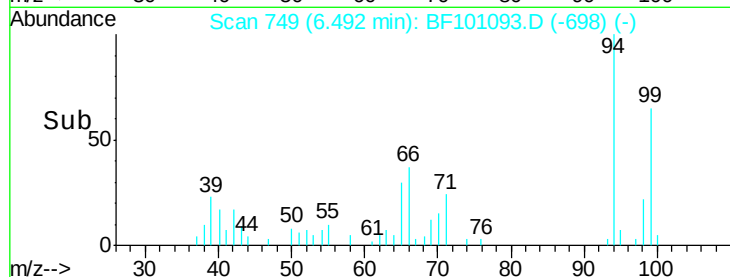
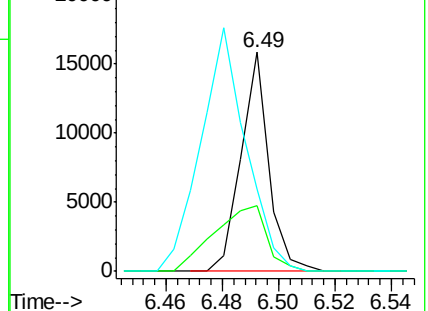
66 37.5 16.2 56.2



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: 11.15 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

Tgt Ion: 70 Resp: 27402

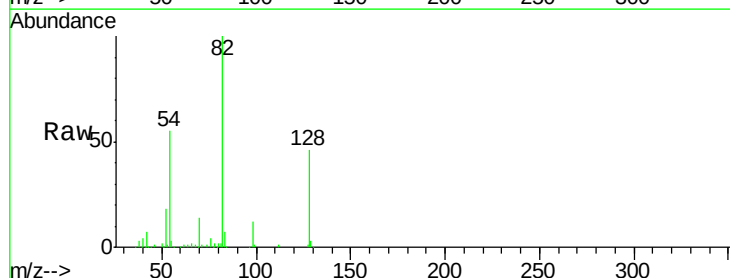
Ion Ratio Lower Upper

70 100

42 53.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

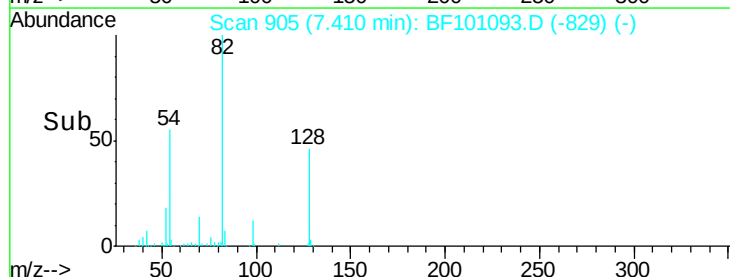
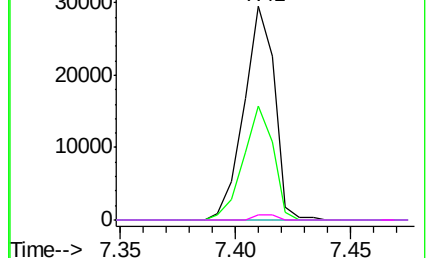


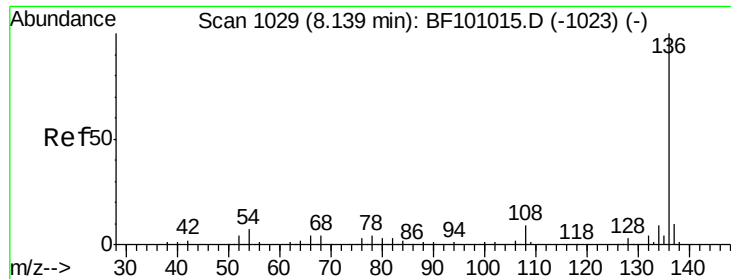
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

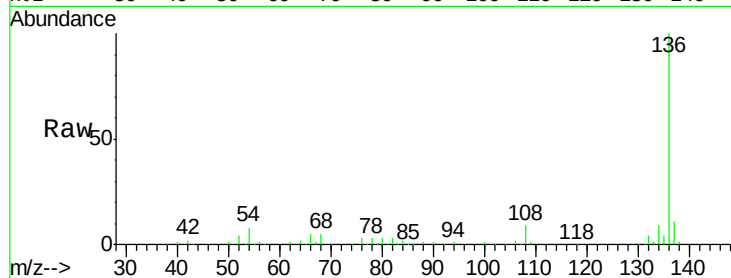




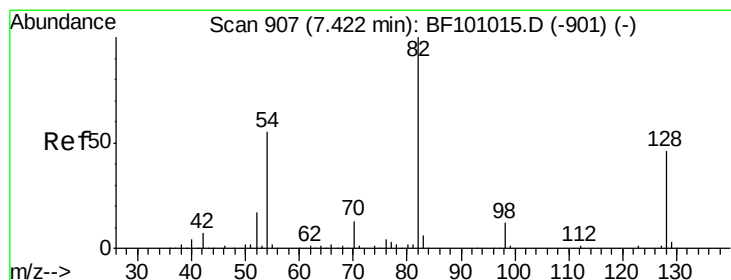
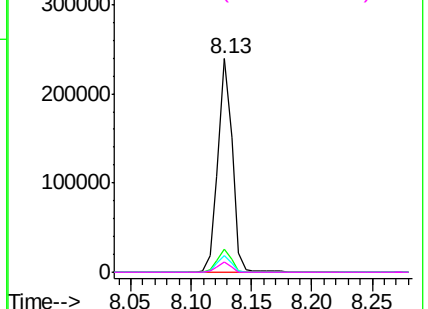
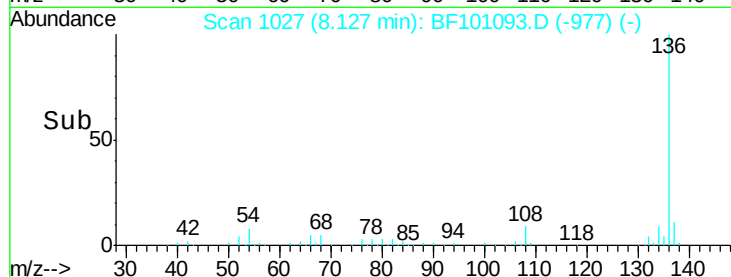
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	193682
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	7.5	6.6 9.8
68	4.5	5.0 7.4#

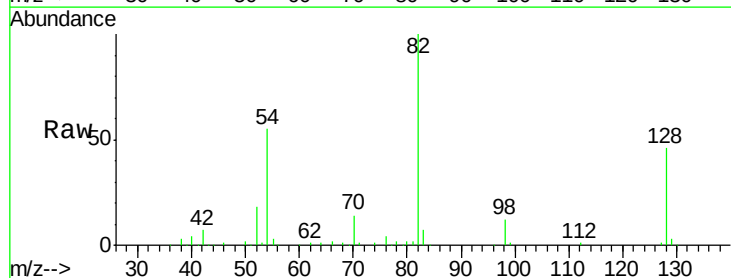


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

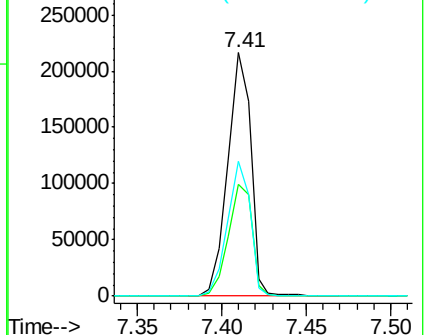
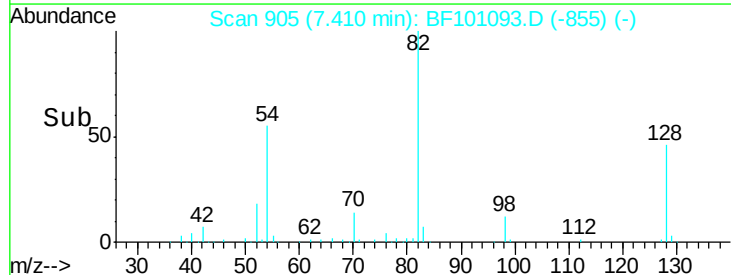


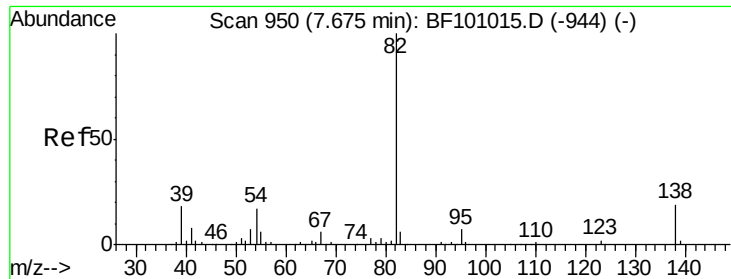
#23
Nitrobenzene-d5
Concen: 63.33 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion: 82	Resp:	205624
Ion Ratio	Lower	Upper
82	100	
128	45.8	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: 37.08 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

Instrument :

BNA_F

ClientSampleId :

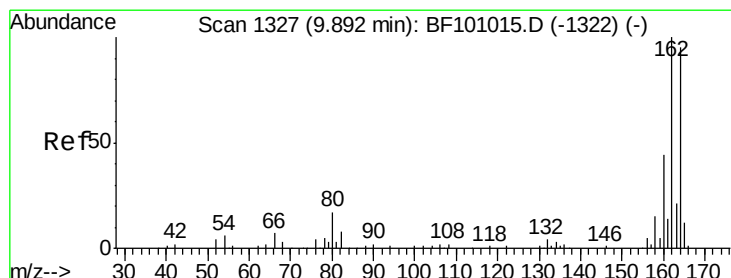
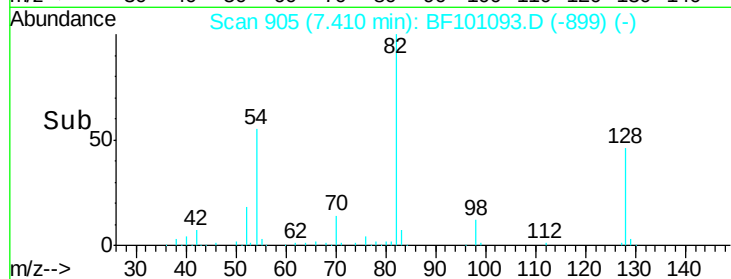
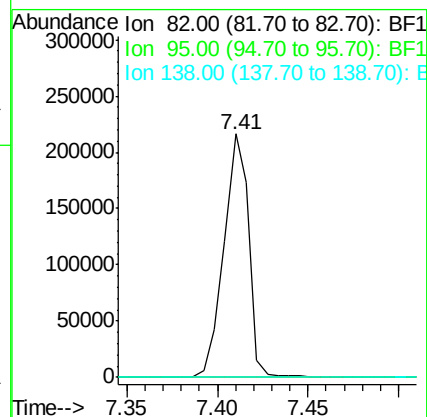
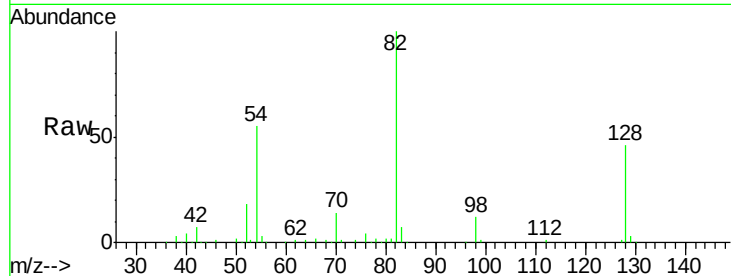
Tot Ion: 82 Resp: 205621

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

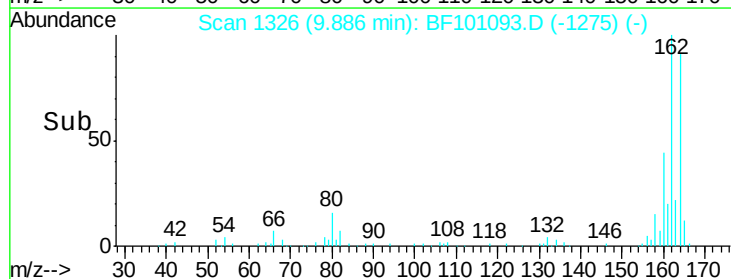
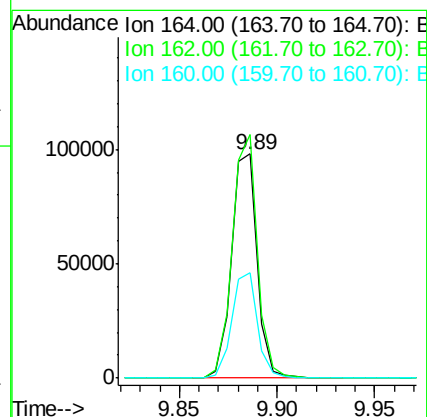
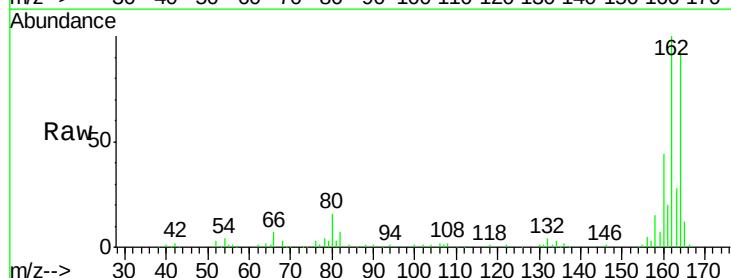
Tgt Ion:164 Resp: 88969

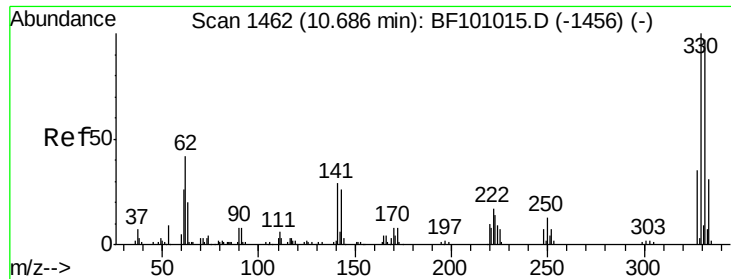
Ion Ratio Lower Upper

164 100

162 108.6 86.1 129.1

160 47.3 38.3 57.5

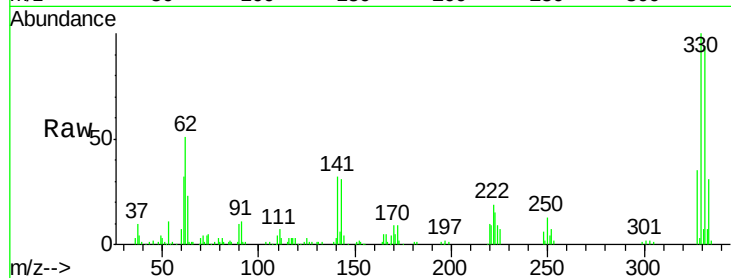




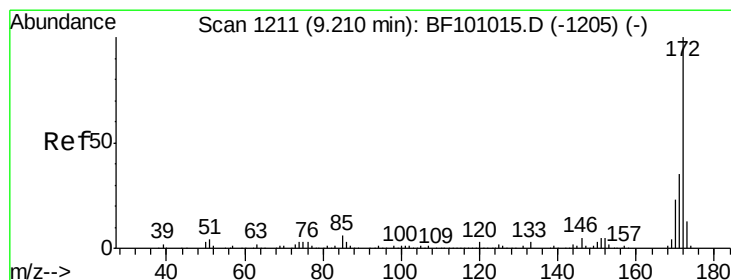
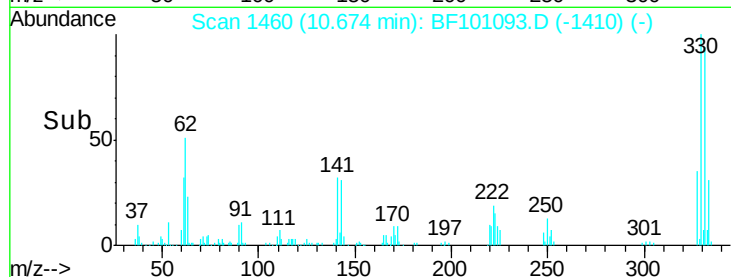
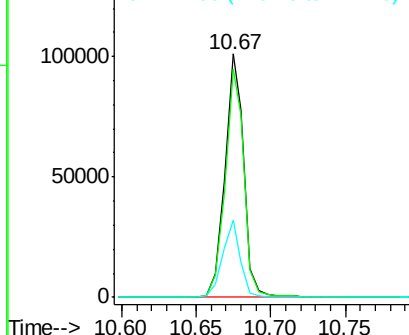
#41
 2,4,6-Tribromophenol
 Concen: 84.49 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101093.D
 Acq: 4 Dec 2017 13:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 90297
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.0 115.6
 141 29.6 29.9 44.9#

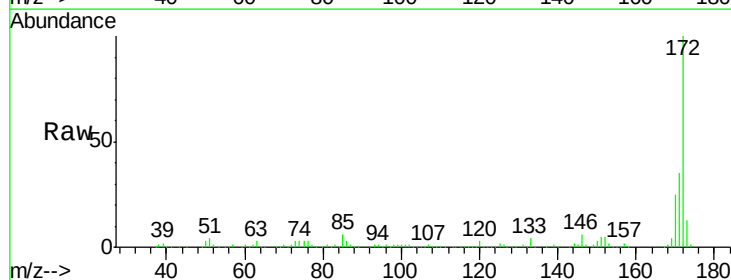


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

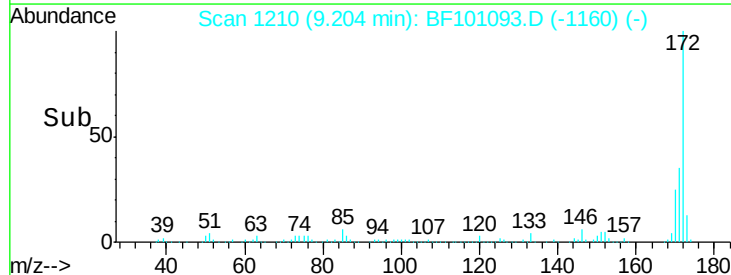
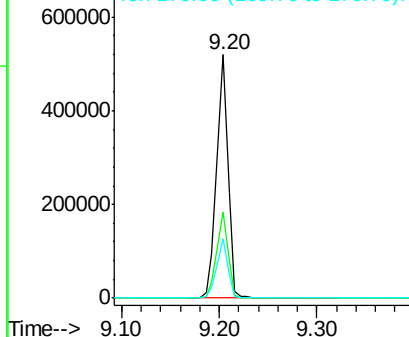


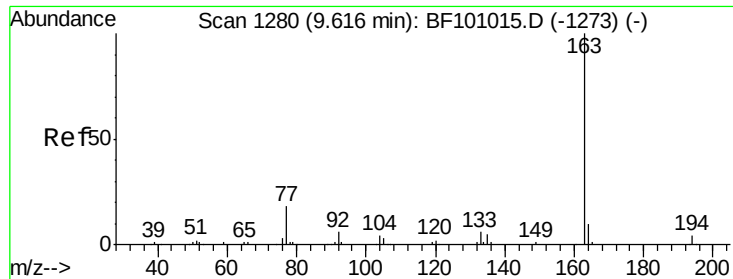
#44
 2-Fluorobiphenyl
 Concen: 65.98 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101093.D
 Acq: 4 Dec 2017 13:09

Tgt Ion:172 Resp: 429022
 Ion Ratio Lower Upper
 172 100
 171 35.4 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

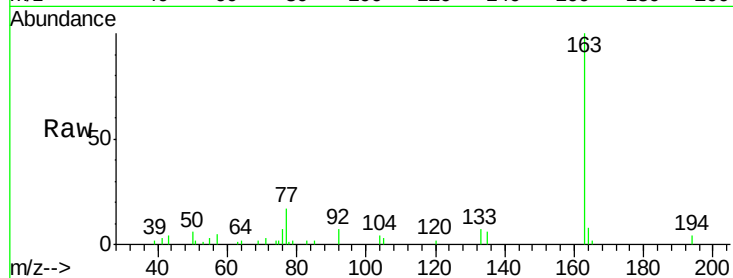




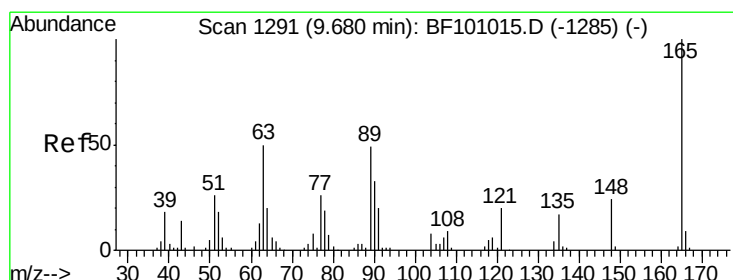
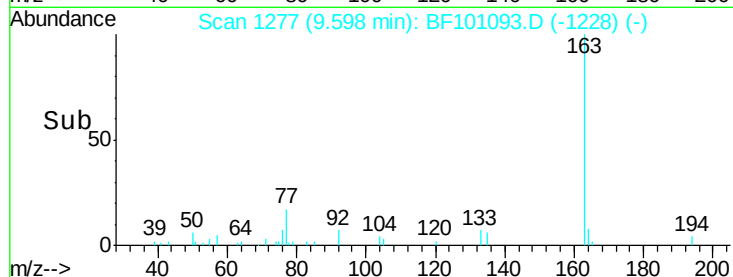
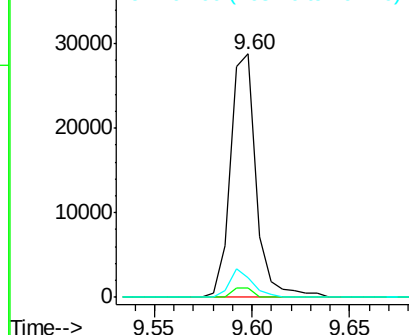
#49
Dimethylphthalate
Concen: 3.66 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 26264
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 8.1 8.2 12.2#

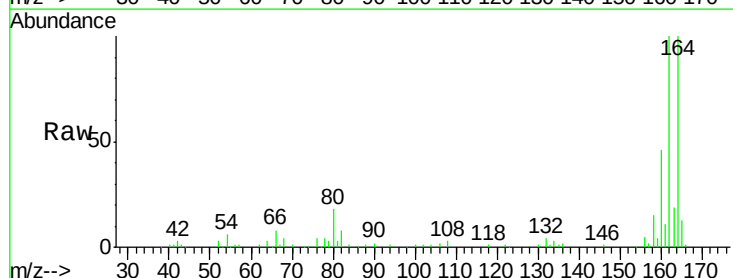


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

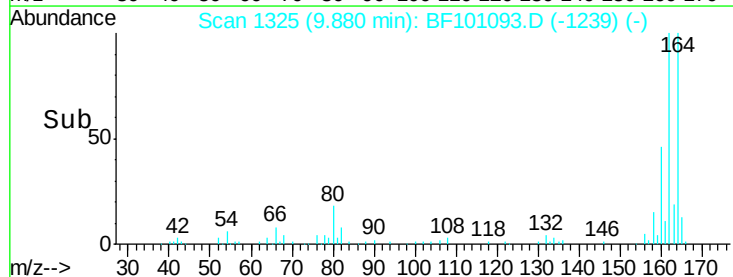
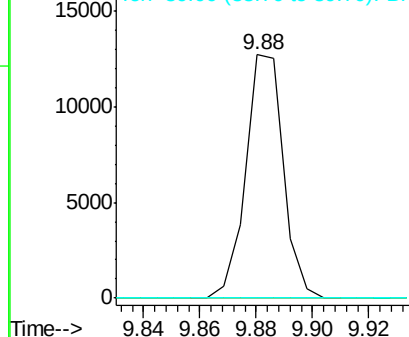


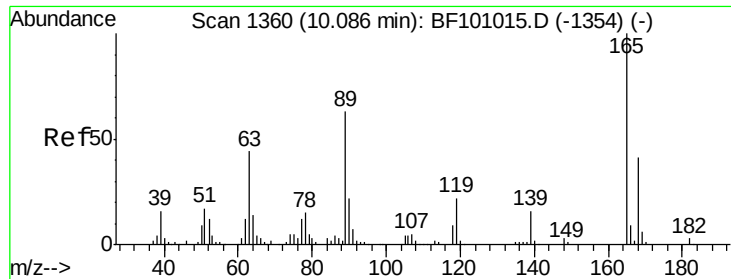
#50
2,6-Dinitrotoluene
Concen: 7.77 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.21 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion:165 Resp: 11738
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

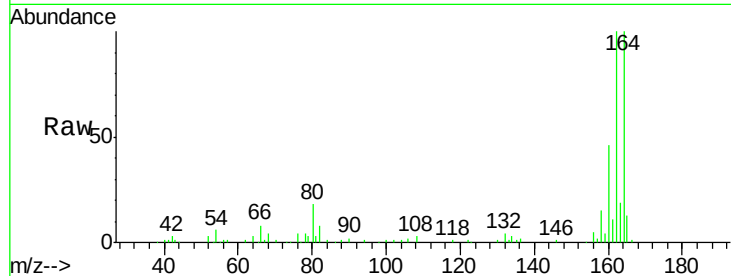




#56
 2,4-Dinitrotoluene
 Concen: 5.80 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101093.D
 Acq: 4 Dec 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#

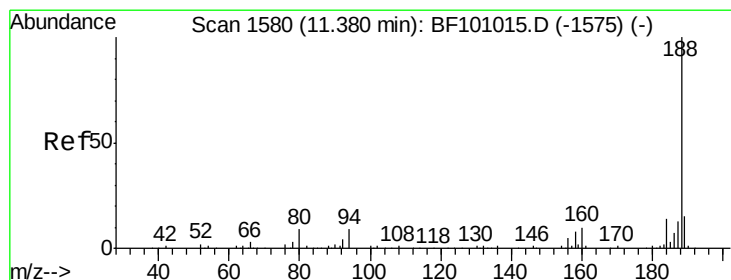
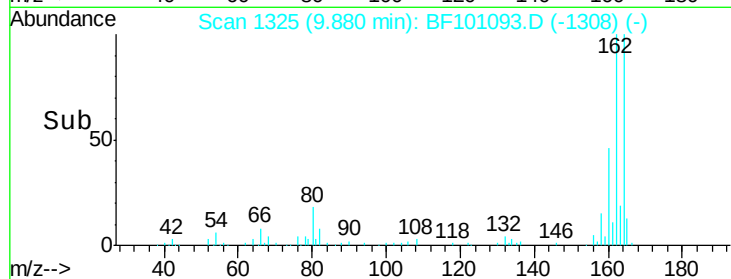
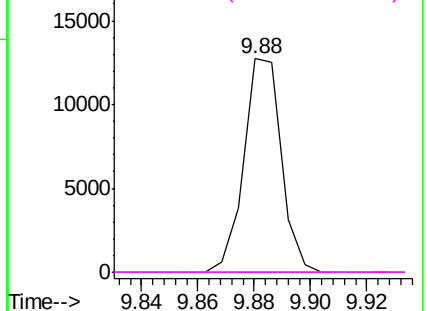


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

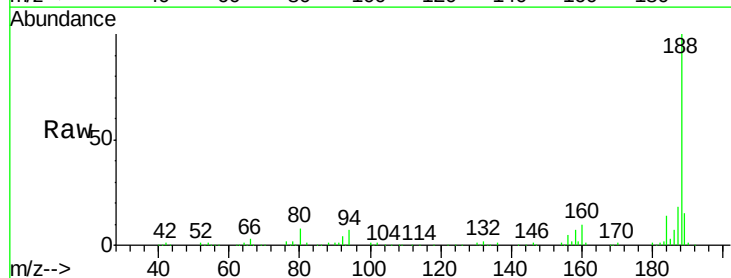
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101093.D
 Acq: 4 Dec 2017 13:09

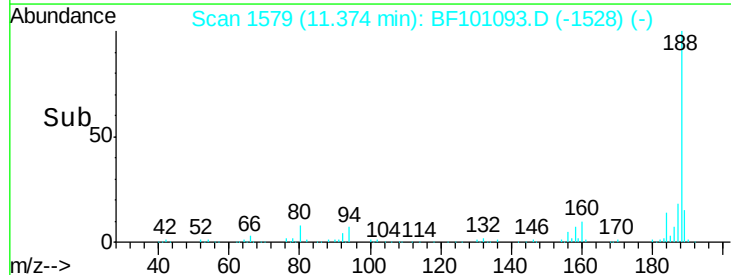
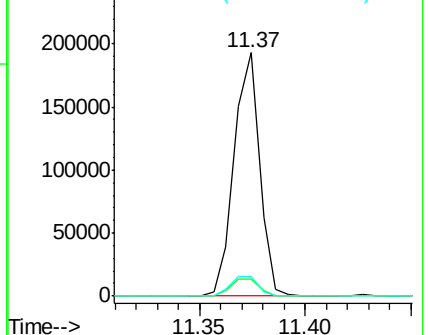
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.5	12.7#
80	7.9	9.2	13.8#

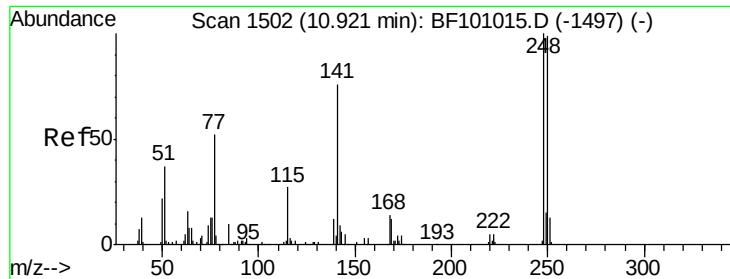


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

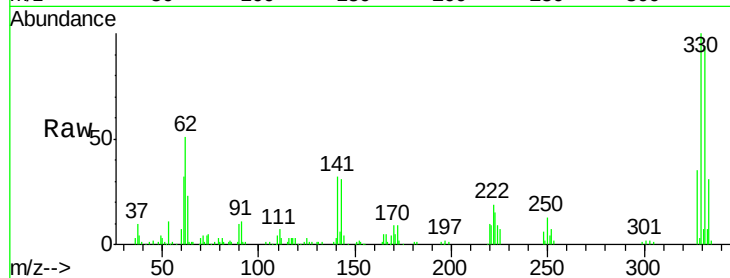




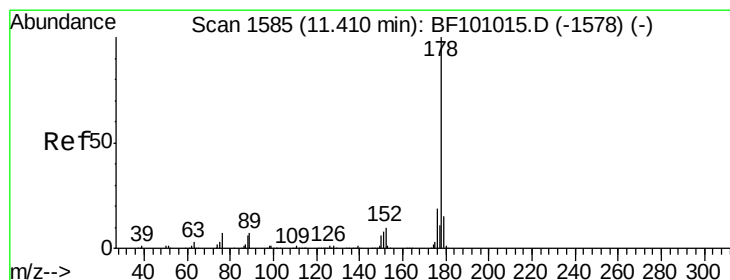
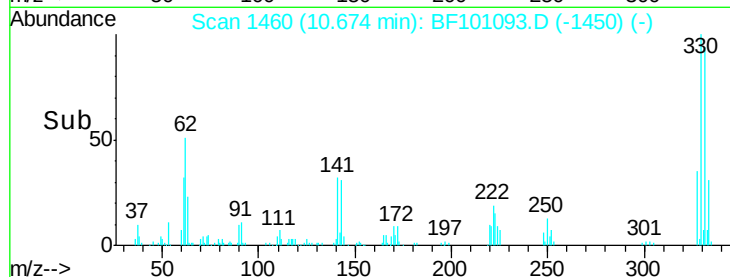
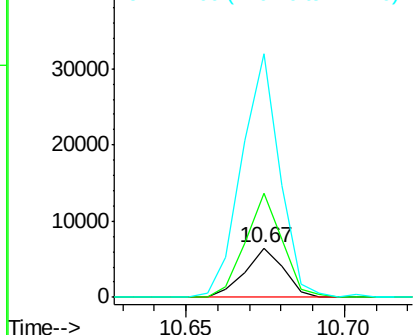
#66
4-Bromophenyl-phenylether
Concen: 3.04 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 5477
Ion Ratio Lower Upper
248 100
250 209.6 76.9 115.3#
141 491.4 74.4 111.6#

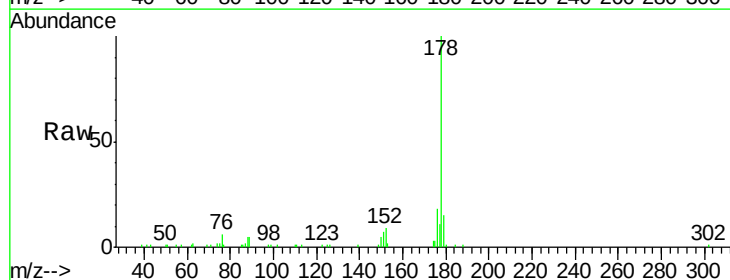


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

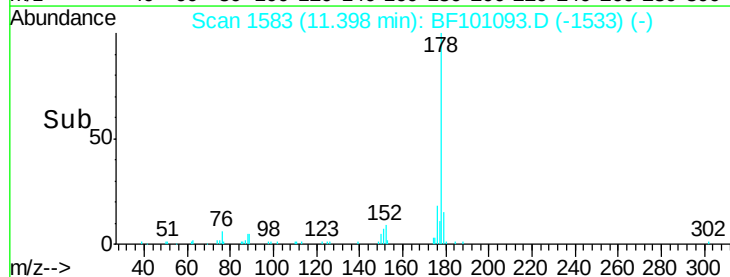
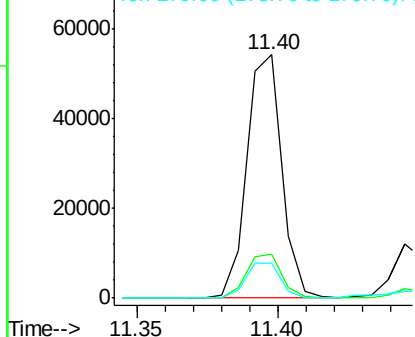


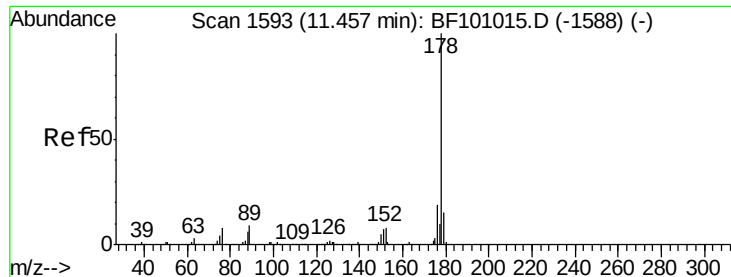
#70
Phenanthrene
Concen: 5.26 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion:178 Resp: 46590
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.8
179 14.6 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 5.20 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.05 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

Instrument :

BNA_F

ClientSampleId :

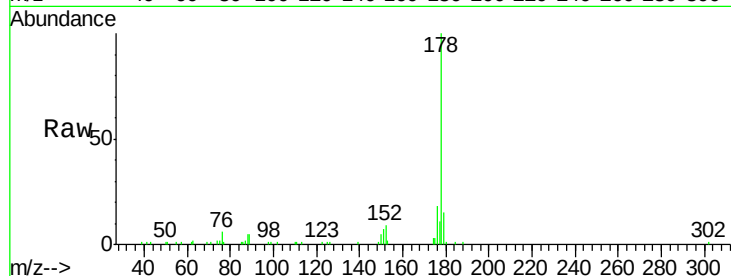
Tot Ion:178 Resp: 46590

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

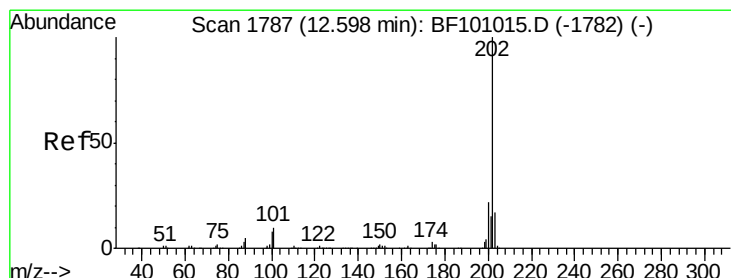
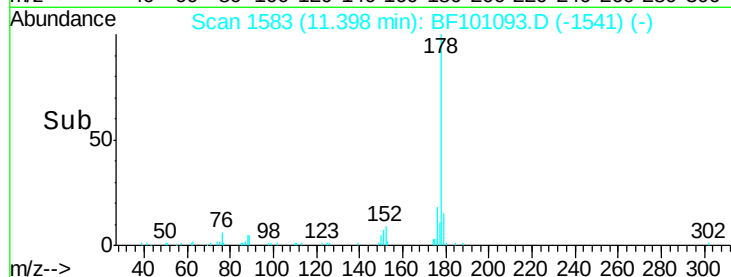
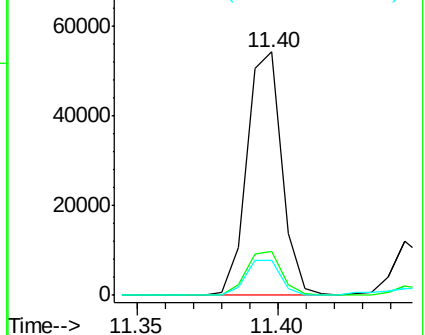
179 14.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.61 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

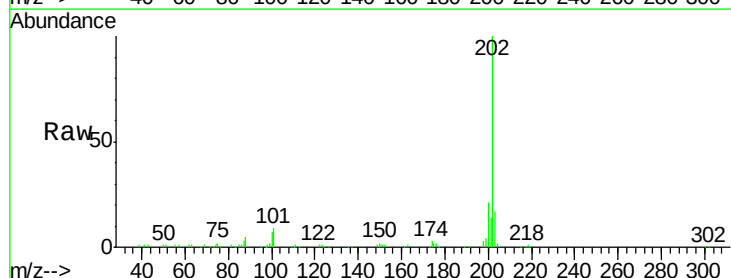
Tgt Ion:202 Resp: 84523

Ion Ratio Lower Upper

202 100

101 9.3 0.0 34.1

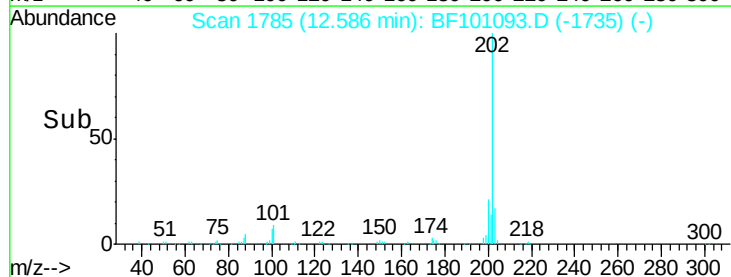
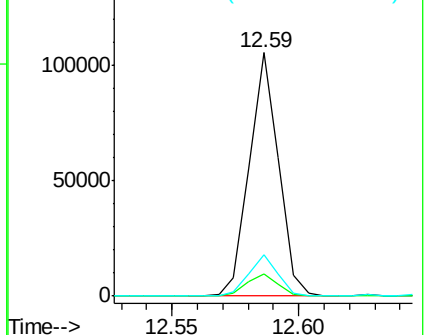
203 16.9 0.0 38.1

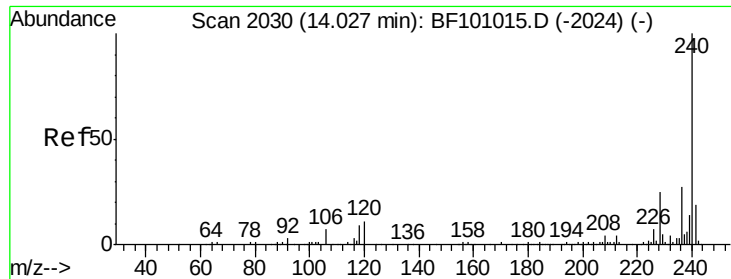


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

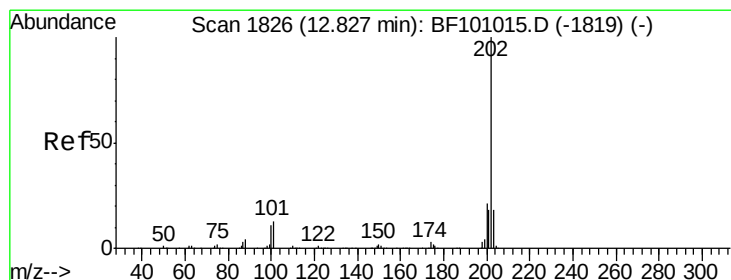
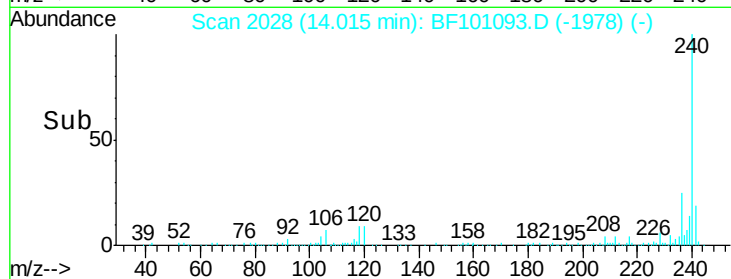
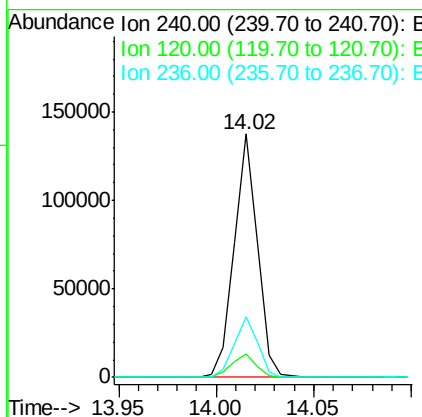
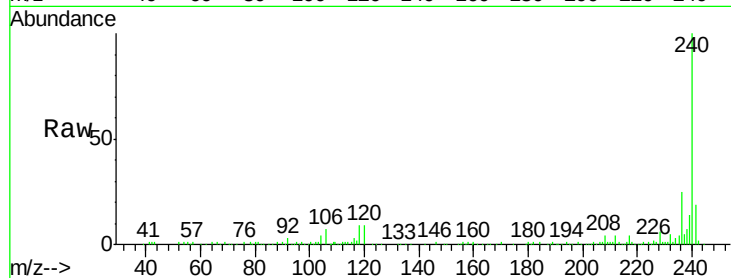




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF101093.D
 Acq: 4 Dec 2017 13:09

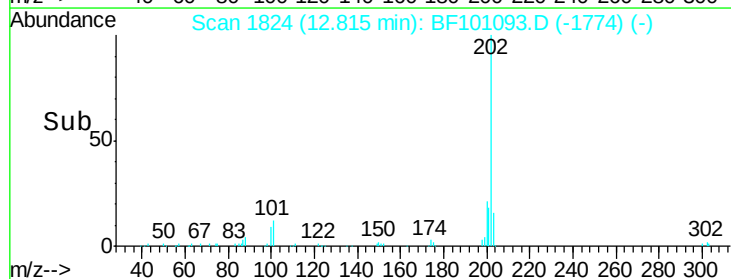
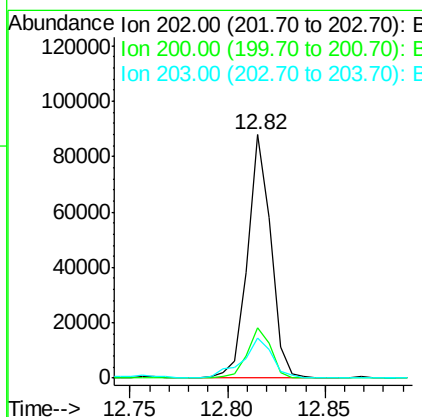
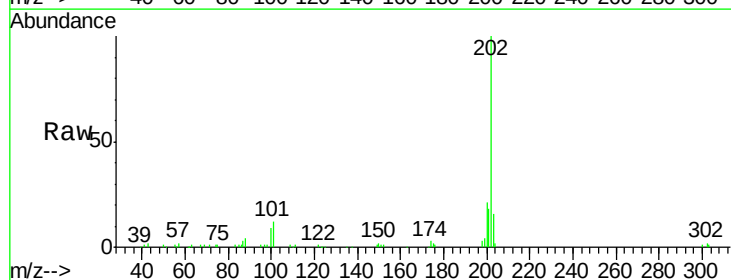
Instrument :
 BNA_F
 ClientSampleId :

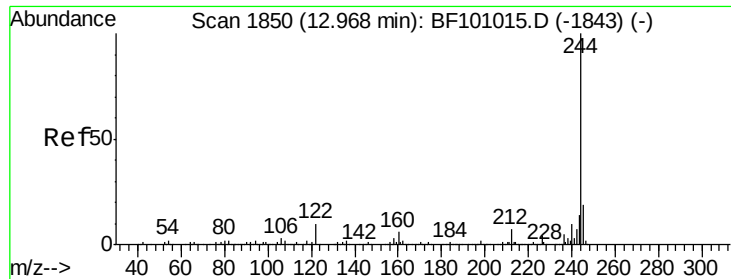
Tot Ion:240 Resp: 114158
 Ion Ratio Lower Upper
 240 100
 120 9.4 9.5 14.3#
 236 24.8 20.7 31.1



#77
 Pyrene
 Concen: 9.23 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF101093.D
 Acq: 4 Dec 2017 13:09

Tgt Ion:202 Resp: 72726
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.4 26.2
 203 16.5 14.3 21.5





#78

Terphenyl-d14

Concen: 67.49 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

Instrument :

BNA_F

ClientSampleId :

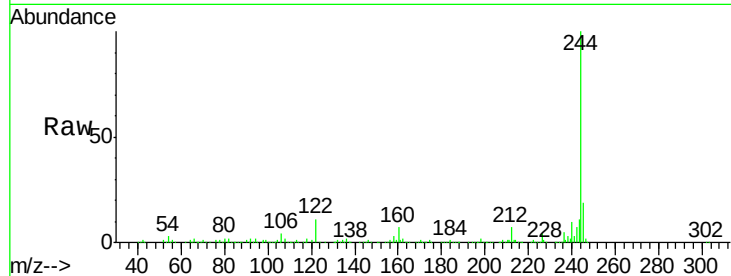
Tot Ion:244 Resp: 352238

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

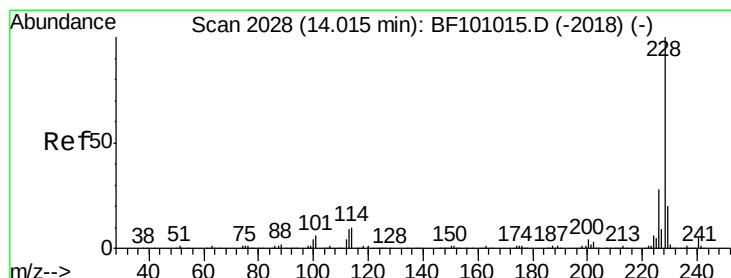
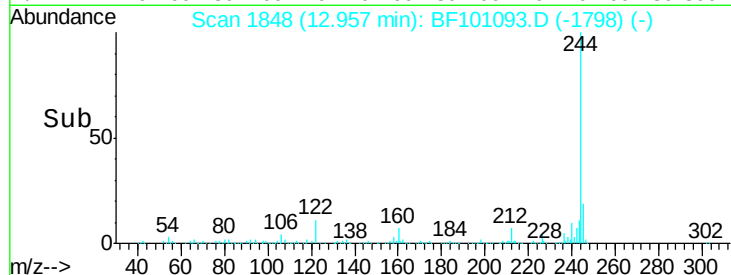
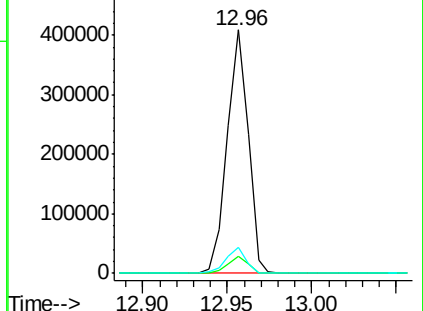
122 10.6 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 5.36 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

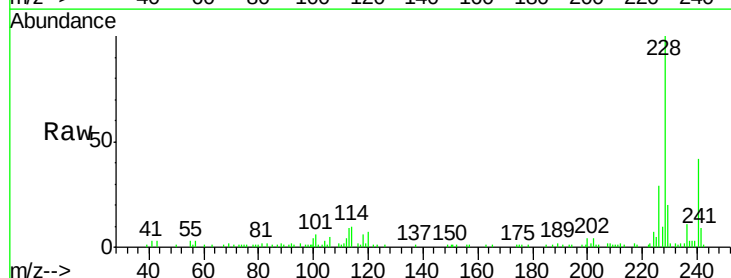
Tgt Ion:228 Resp: 38639

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

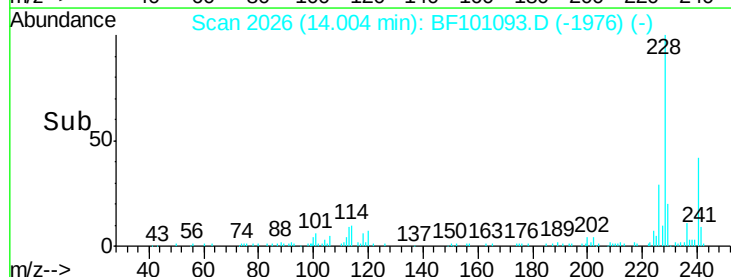
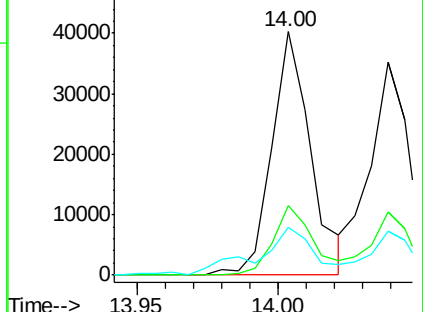
229 19.8 15.8 23.6

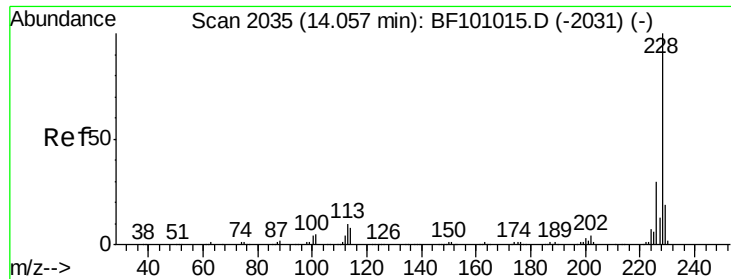


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

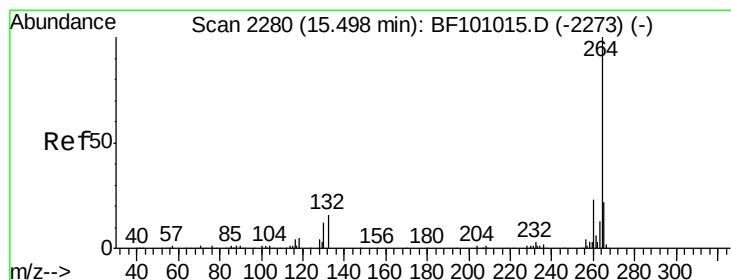
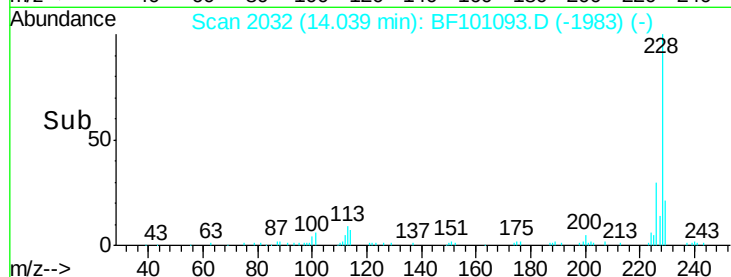
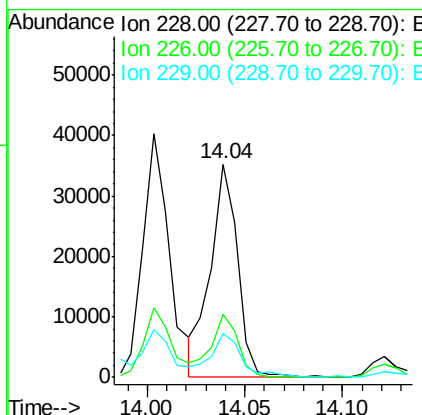
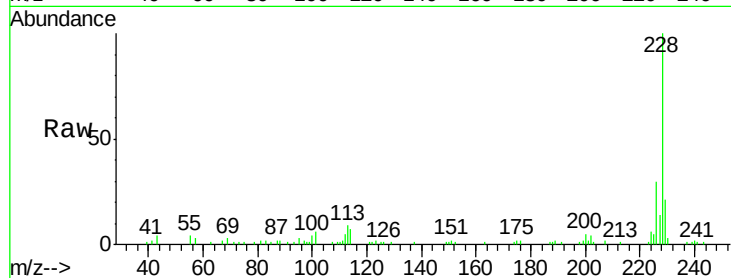




#82
Chrysene
Concen: 5.13 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

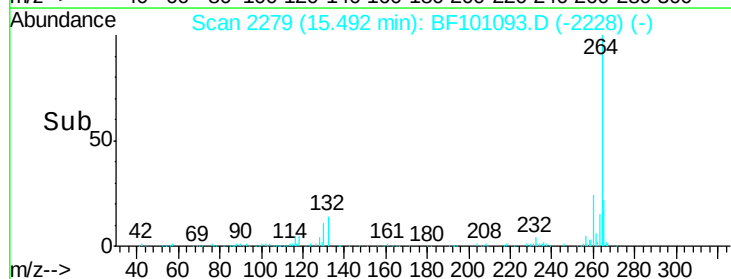
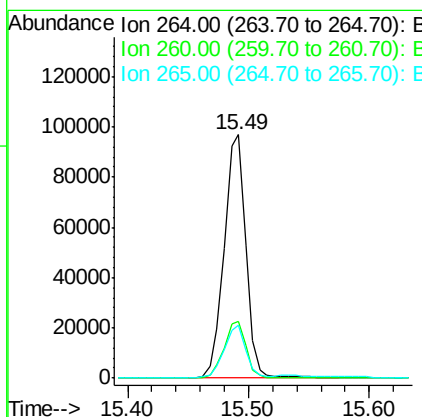
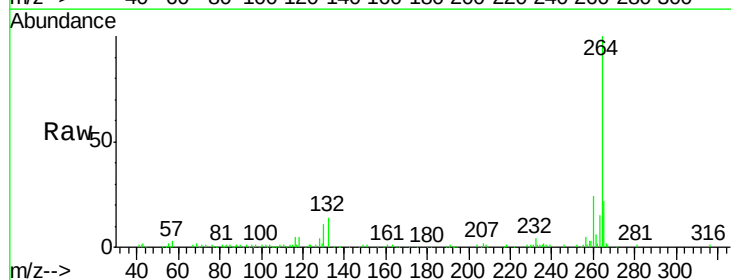
Instrument :
BNA_F
ClientSampled :

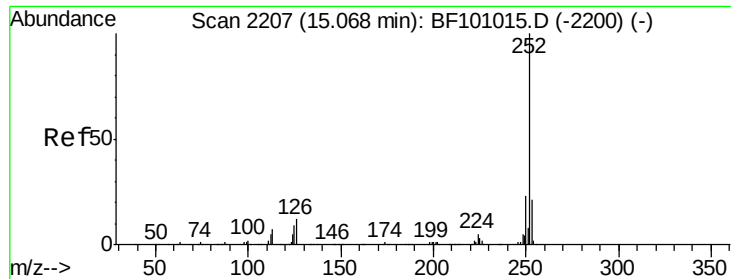
Tot Ion:228 Resp: 34336
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 20.7 16.2 24.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion:264 Resp: 120852
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.0 17.5 26.3

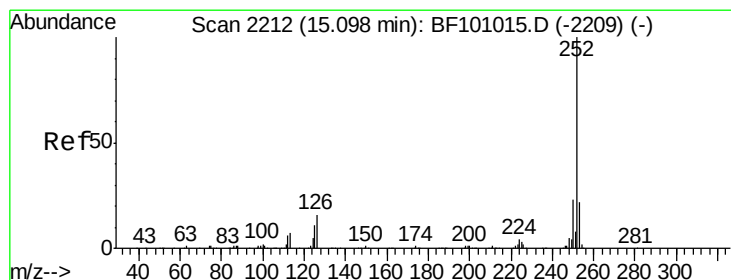
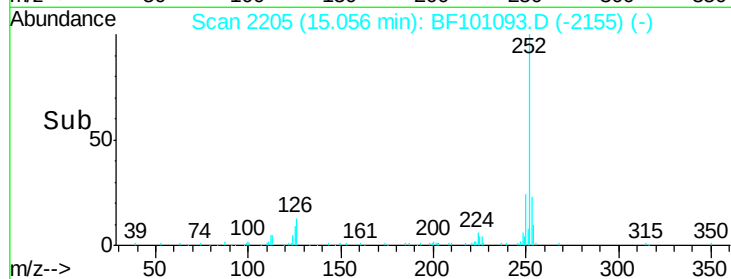
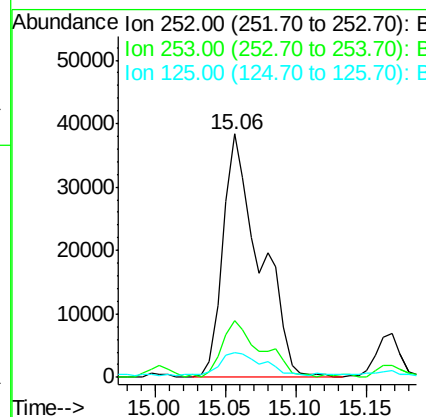
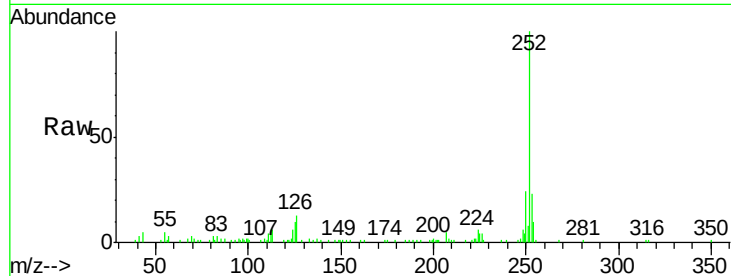




#87
Benzo(b)fluoranthene
Concen: 9.74 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

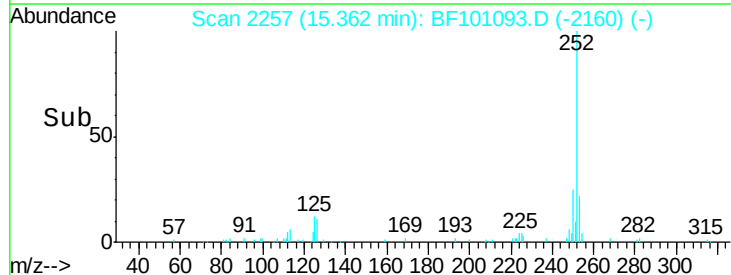
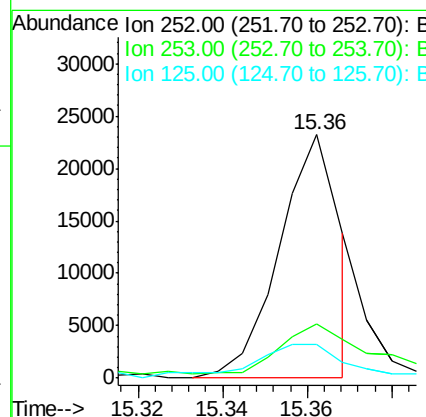
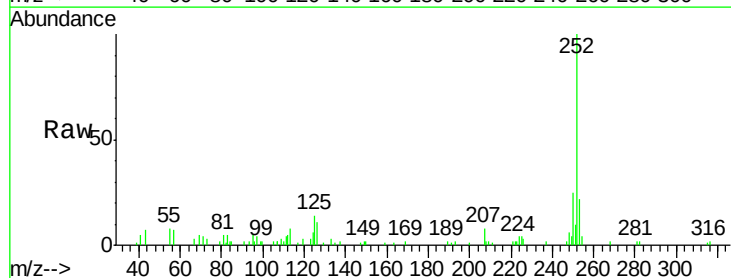
Instrument :
BNA_F
ClientSampleId :

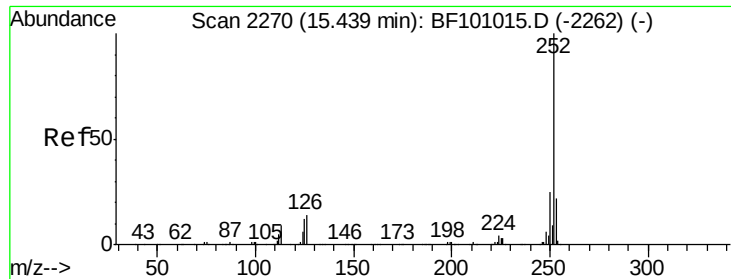
Tot Ion:252 Resp: 70497
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 9.9 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 3.24 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.27 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion:252 Resp: 23142
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 14.0 10.2 15.2





#89

Benzo(a)pyrene

Concen: 5.46 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF101093.D

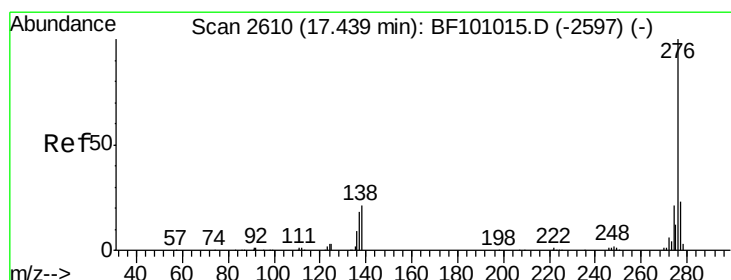
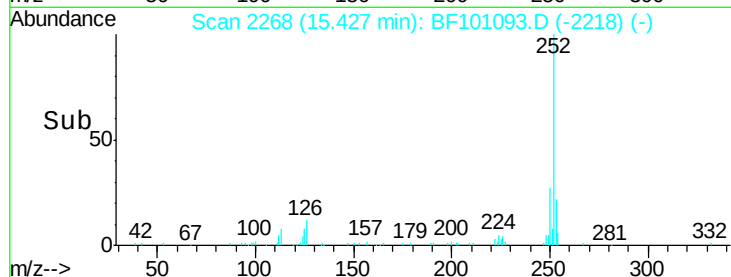
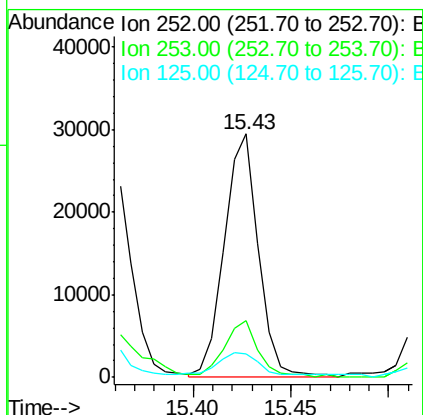
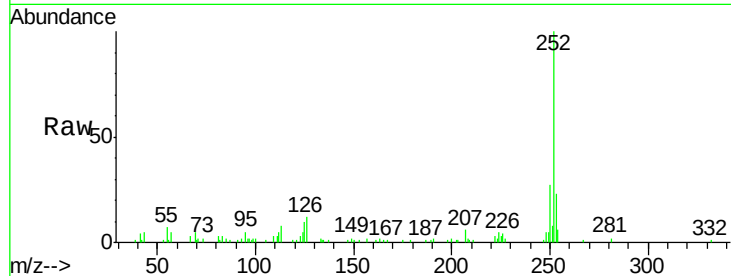
Acq: 4 Dec 2017 13:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	35899
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.1 25.7
125	9.9	9.8 14.6



#91

Benzo(g,h,i)perylene

Concen: 4.14 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

Tgt Ion:276	Resp:	22609
Ion Ratio	Lower	Upper
276	100	
277	26.5	17.9 26.9
138	19.4	21.8 32.8#

