

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092017\
 Data File : BG028850.D
 Acq On : 21 Sep 2017 9:46
 Operator : SJ/JU
 Sample : I5310-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 21 10:27:23 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	33476	20.00	ng	-0.04
21) Naphthalene-d8	11.10	136	136880	20.00	ng	-0.05
38) Acenaphthene-d10	14.91	164	100330	20.00	ng	-0.04
63) Phenanthrene-d10	17.66	188	266130	20.00	ng	-0.04
75) Chrysene-d12	21.98	240	295352	20.00	ng	-0.05
86) Perylene-d12	25.45	264	288815	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.86	112	278991	137.52	ng	-0.05
7) Phenol-d6	7.44	99	338625	110.86	ng	-0.05
23) Nitrobenzene-d5	9.45	82	278100	97.19	ng	-0.05
41) 2,4,6-Tribromophenol	16.40	330	237092	142.88	ng	-0.04
44) 2-Fluorobiphenyl	13.53	172	708882	94.21	ng	-0.04
78) Terphenyl-d14	20.25	244	1360378	98.23	ng	-0.03

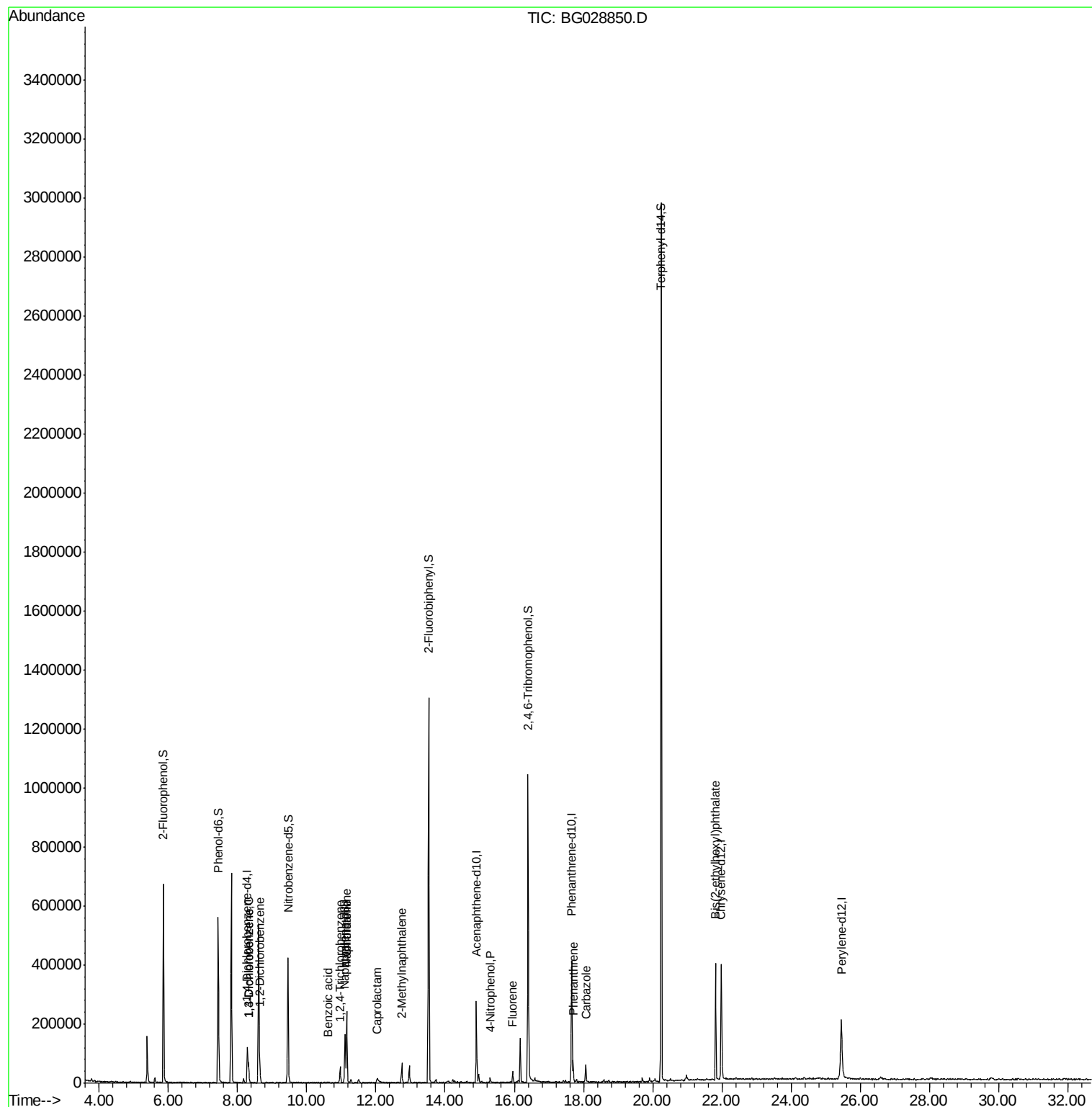
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,3-Dichlorobenzene	8.33	146	27442	11.268	ng	92
13) 1,4-Dichlorobenzene	8.33	146	27442	10.958	ng	93
14) 1,2-Dichlorobenzene	8.64	146	19513	7.887	ng	97
30) 1,2,4-Trichlorobenzene	10.97	180	21411	7.653	ng	94
31) Naphthalene	11.16	128	198938	27.827	ng	99
32) Benzoic acid	10.60	122	104	6.138	ng	# 1
33) 4-Chloroaniline	11.16	127	27004	9.017	ng	# 31
35) Caprolactam	12.04	113	4558	5.183	ng	# 86
37) 2-Methylnaphthalene	12.75	142	33323	6.243	ng	95
55) 4-Nitrophenol	15.31	139	4929	4.064	ng	# 1
57) Fluorene	15.95	166	17995	2.150	ng	86
70) Phenanthrene	17.70	178	47271	3.473	ng	94
72) Carbazole	18.07	167	45811	3.700	ng	94
83) Bis(2-ethylhexyl)phthalate	21.82	149	168897	17.267	ng	99

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 800

Delta R.T. -0.04 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

Instrument :

BNA_G

ClientSampleId :

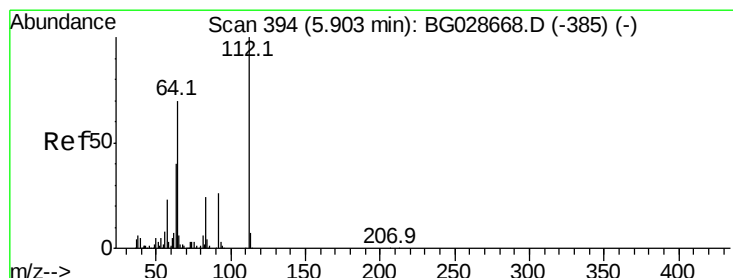
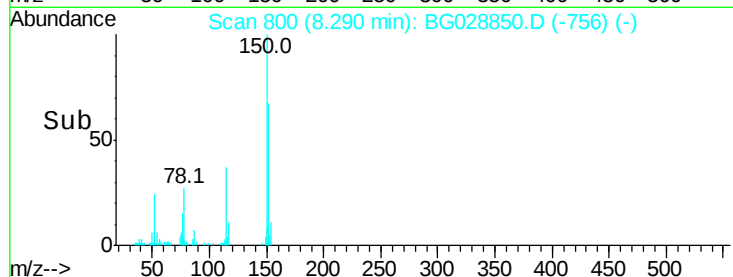
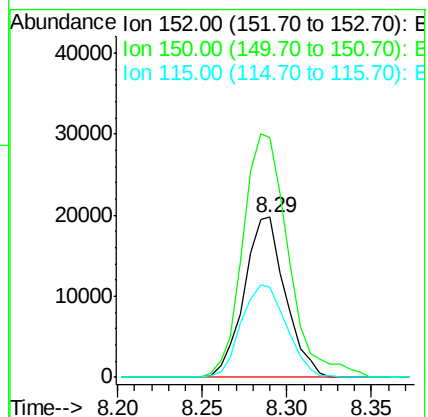
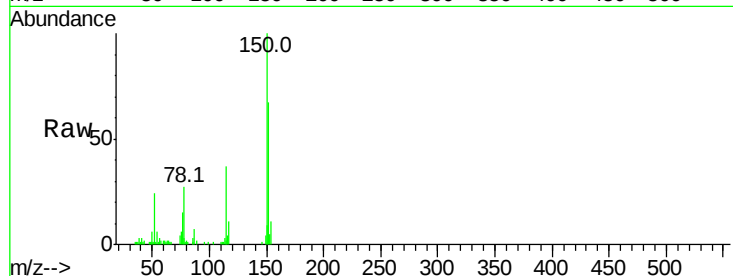
Tot Ion:152 Resp: 33476

Ion Ratio Lower Upper

152 100

150 150.2 114.0 171.0

115 55.9 48.1 72.1



#5

2-Fluorophenol

Concen: 137.516 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.05 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

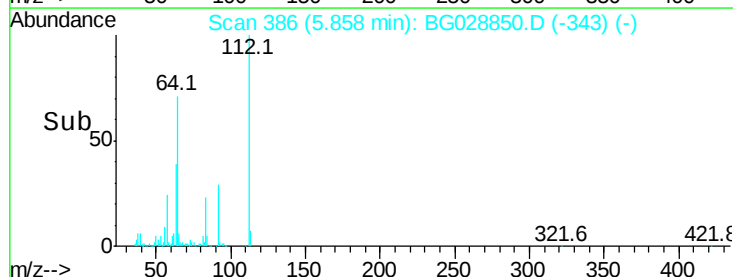
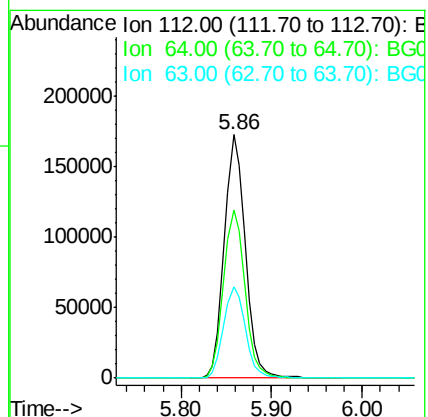
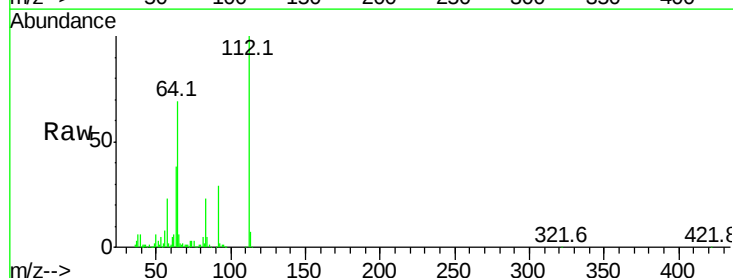
Tgt Ion:112 Resp: 278991

Ion Ratio Lower Upper

112 100

64 69.2 61.8 92.6

63 37.5 37.2 55.8





#7

Phenol-d6

Concen: 110.858 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

Instrument :

BNA_G

ClientSampled :

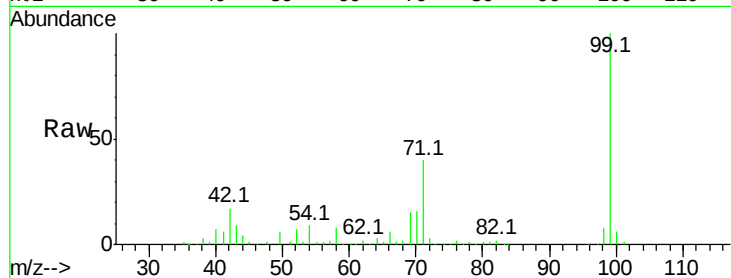
Tot Ion: 99 Resp: 338625

Ion Ratio Lower Upper

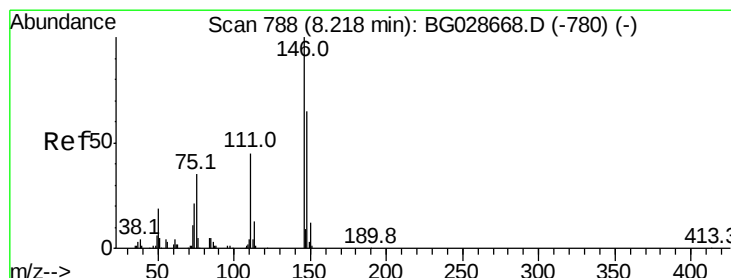
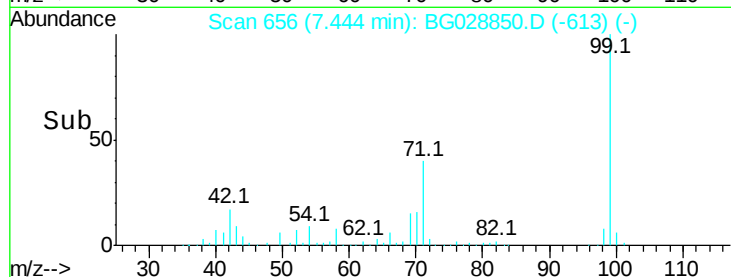
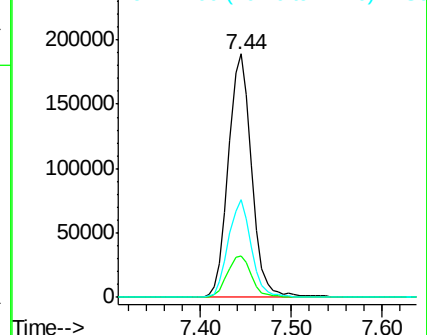
99 100

42 17.1 20.5 30.7#

71 40.1 37.6 56.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#12

1,3-Dichlorobenzene

Concen: 11.268 ng

RT: 8.33 min Scan# 806

Delta R.T. 0.11 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

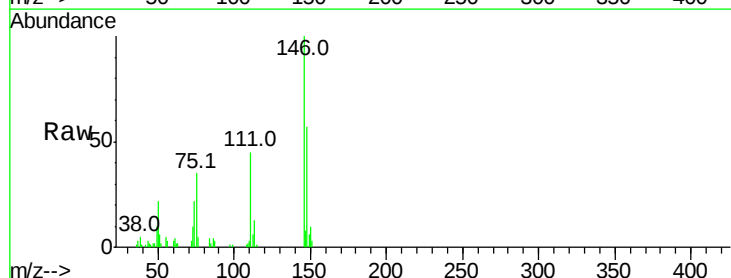
Tgt Ion: 146 Resp: 27442

Ion Ratio Lower Upper

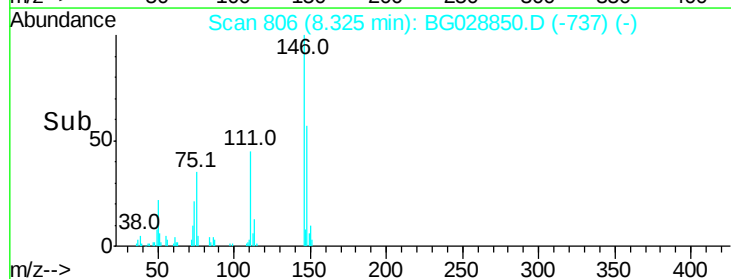
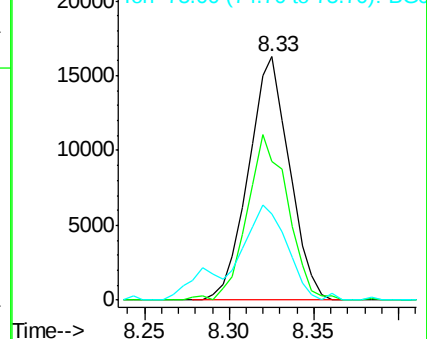
146 100

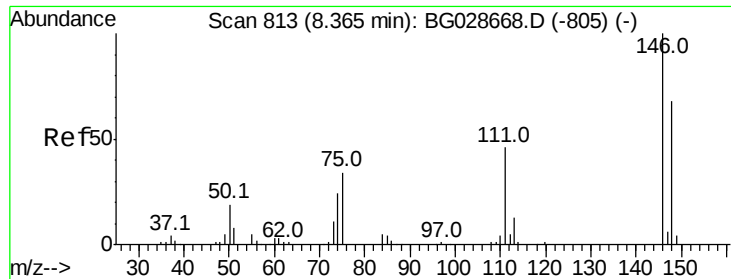
148 57.0 49.2 73.8

75 35.2 33.4 50.2



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC

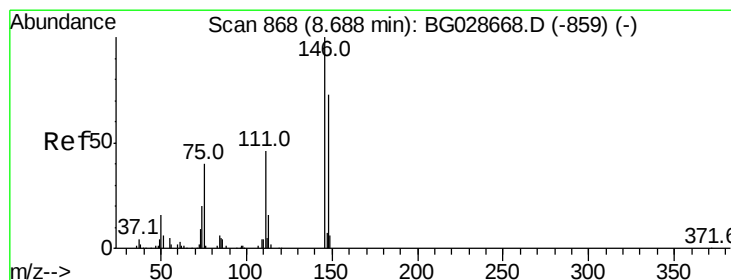
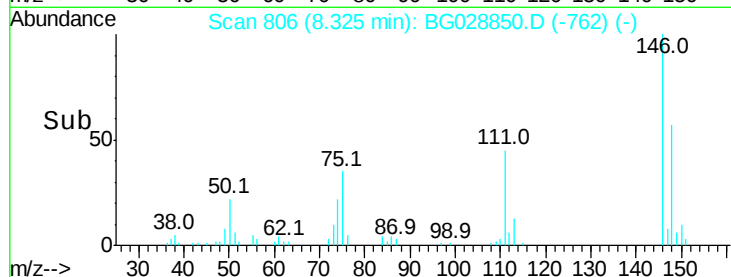
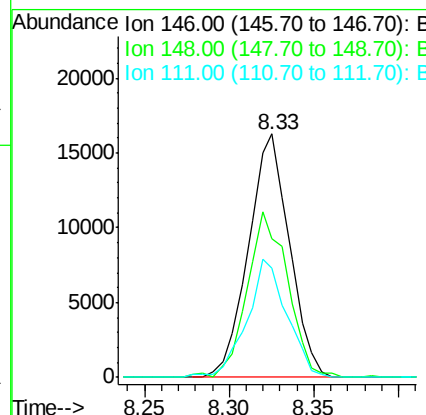
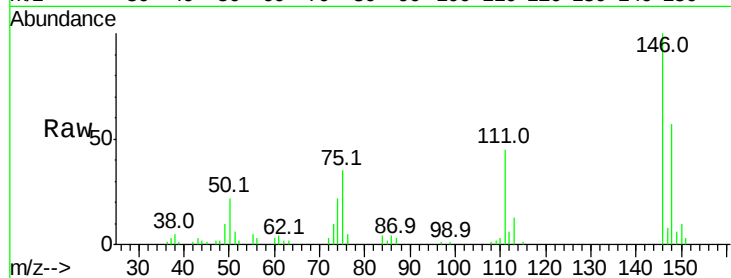




#13
 1,4-Dichlorobenzene
 Concen: 10.958 ng
 RT: 8.33 min Scan# 806
 Delta R.T. -0.04 min
 Lab File: BG028850.D
 Acq: 21 Sep 2017 9:46

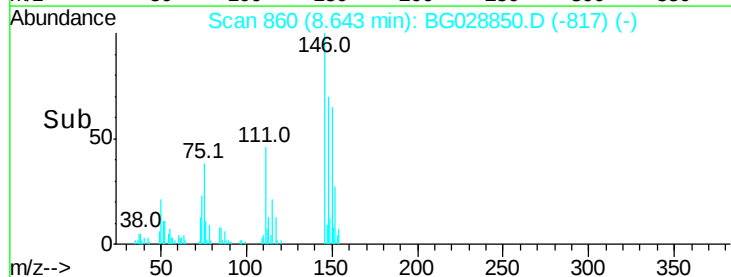
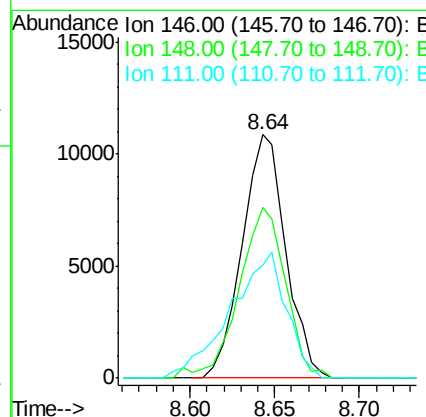
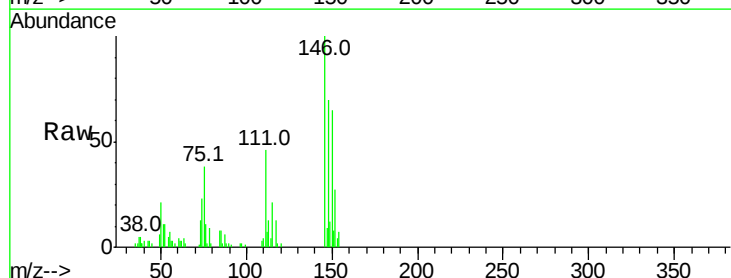
Instrument :
 BNA_G
 ClientSampleId :

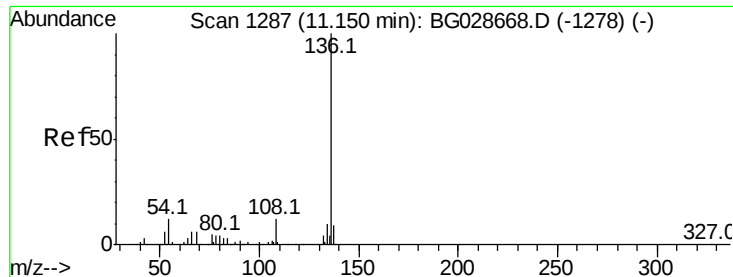
Tot Ion:146 Resp: 27442
 Ion Ratio Lower Upper
 146 100
 148 57.0 52.2 78.2
 111 44.7 37.0 55.6



#14
 1,2-Dichlorobenzene
 Concen: 7.887 ng
 RT: 8.64 min Scan# 860
 Delta R.T. -0.05 min
 Lab File: BG028850.D
 Acq: 21 Sep 2017 9:46

Tgt Ion:146 Resp: 19513
 Ion Ratio Lower Upper
 146 100
 148 69.8 54.6 81.8
 111 46.2 39.7 59.5

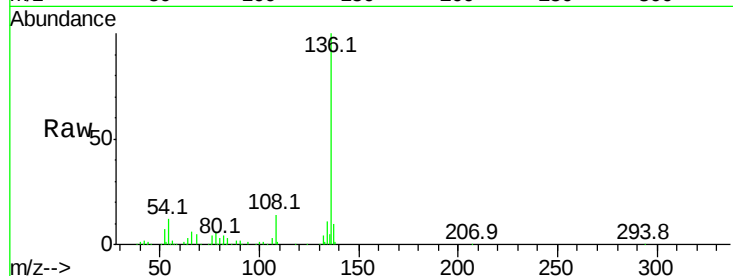




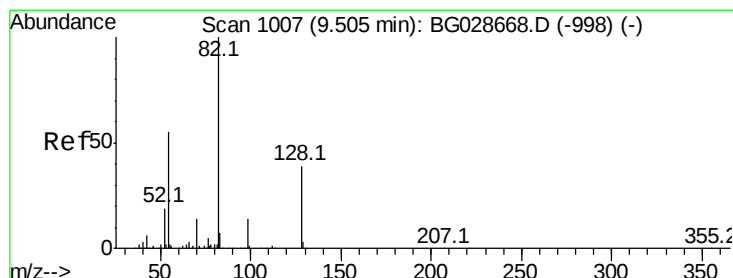
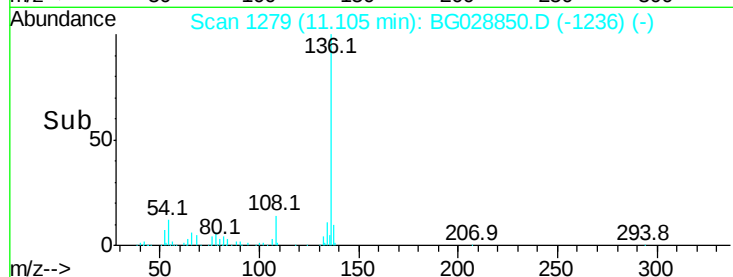
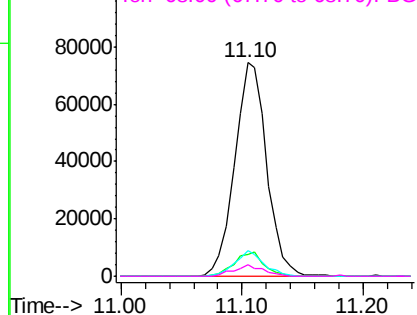
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.10 min Scan# 1279
Delta R.T. -0.05 min
Lab File: BG028850.D
Acq: 21 Sep 2017 9:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	136880
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	12.1	9.3	13.9
68	5.4	5.1	7.7

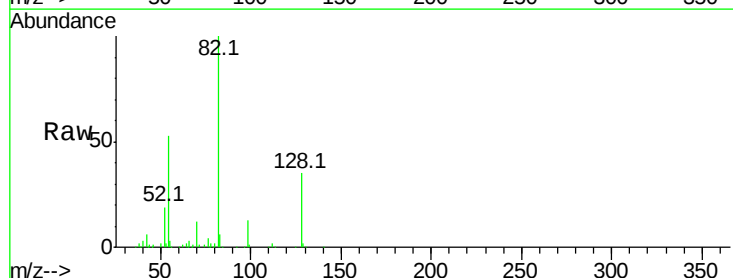


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

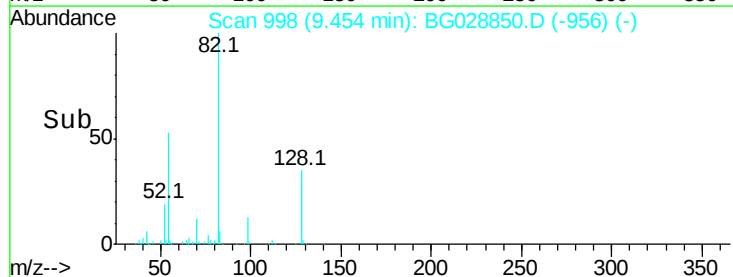
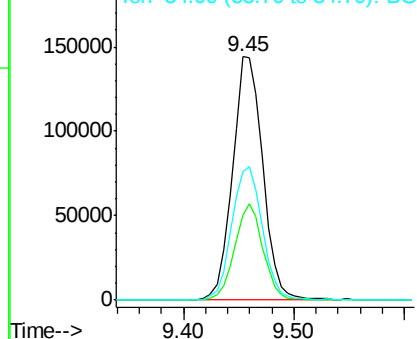


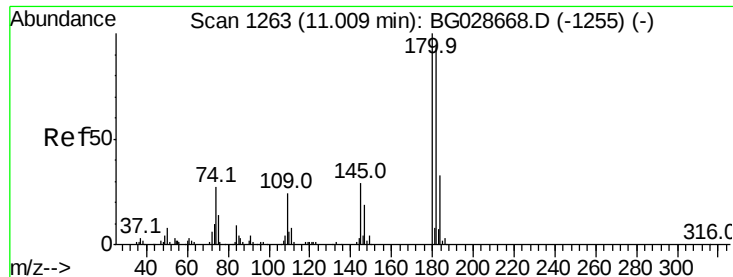
#23
Nitrobenzene-d5
Concen: 97.192 ng
RT: 9.45 min Scan# 998
Delta R.T. -0.05 min
Lab File: BG028850.D
Acq: 21 Sep 2017 9:46

Tgt Ion:	82	Resp:	278100
Ion	Ratio	Lower	Upper
82	100		
128	34.8	26.4	39.6
54	52.6	49.4	74.2



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

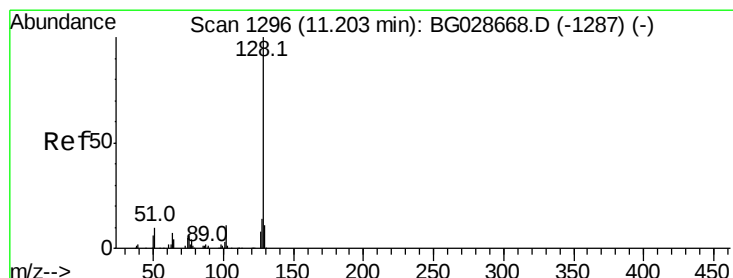
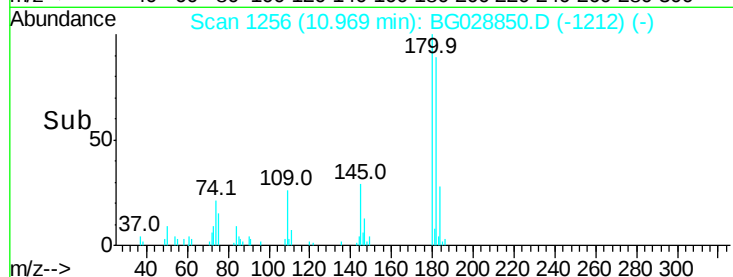
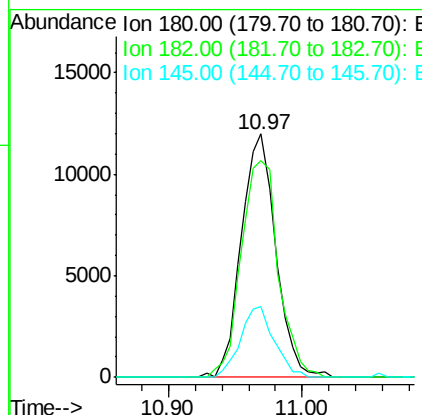
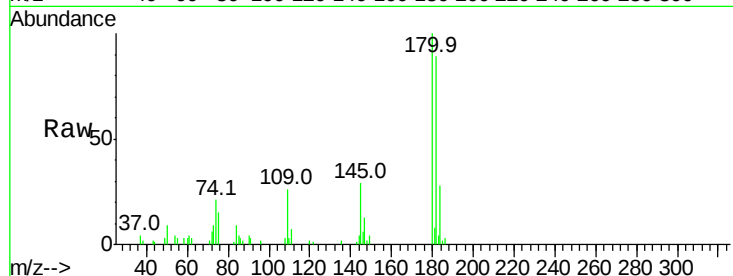




#30
 1,2,4-Trichlorobenzene
 Concen: 7.653 ng
 RT: 10.97 min Scan# 1256
 Delta R.T. -0.04 min
 Lab File: BG028850.D
 Acq: 21 Sep 2017 9:46

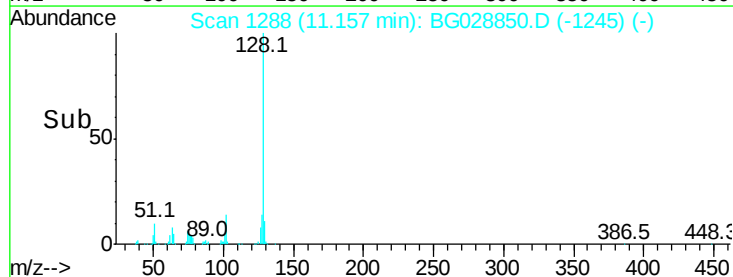
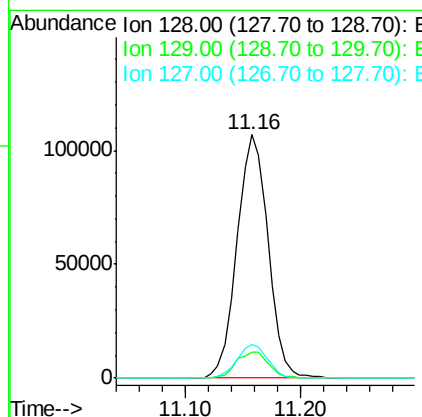
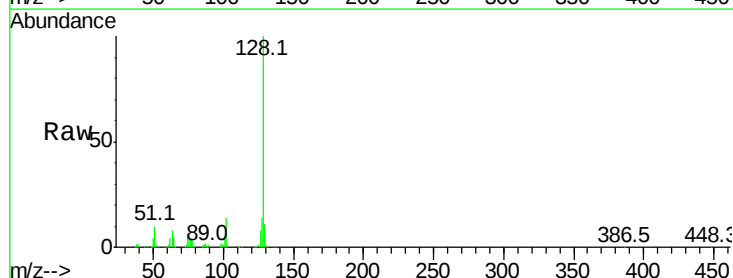
Instrument :
 BNA_G
 ClientSampleId :

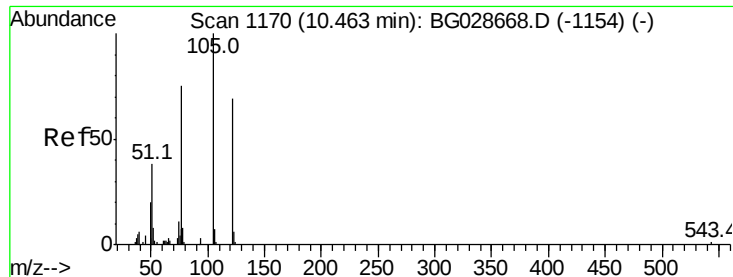
Tot Ion:180 Resp: 21411
 Ion Ratio Lower Upper
 180 100
 182 89.0 77.0 115.4
 145 29.3 23.4 35.0



#31
 Naphthalene
 Concen: 27.827 ng
 RT: 11.16 min Scan# 1288
 Delta R.T. -0.05 min
 Lab File: BG028850.D
 Acq: 21 Sep 2017 9:46

Tgt Ion:128 Resp: 198938
 Ion Ratio Lower Upper
 128 100
 129 10.8 9.3 13.9
 127 13.8 11.4 17.0





#32

Benzoic acid

Concen: 6.138 ng

RT: 10.60 min Scan# 1193

Delta R.T. 0.14 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

Instrument :

BNA_G

ClientSampleId :

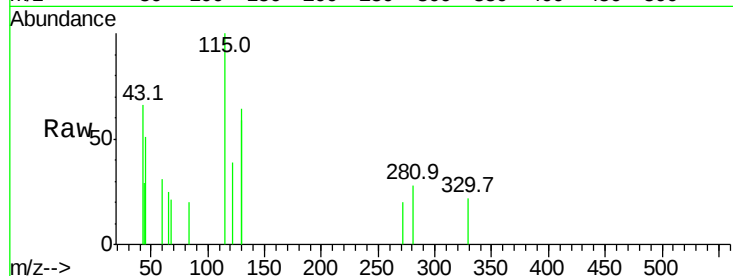
Tot Ion:122 Resp: 104

Ion Ratio Lower Upper

122 100

105 0.0 120.1 160.1#

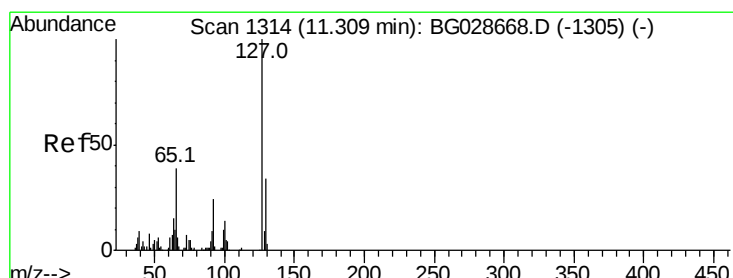
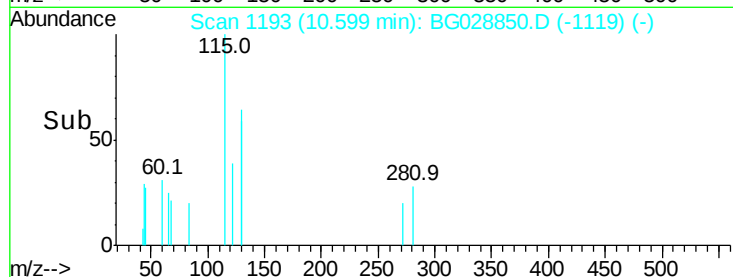
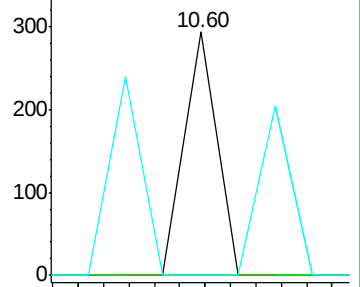
77 0.0 104.6 144.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 9.017 ng

RT: 11.16 min Scan# 1288

Delta R.T. -0.15 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

Tgt Ion:127 Resp: 27004

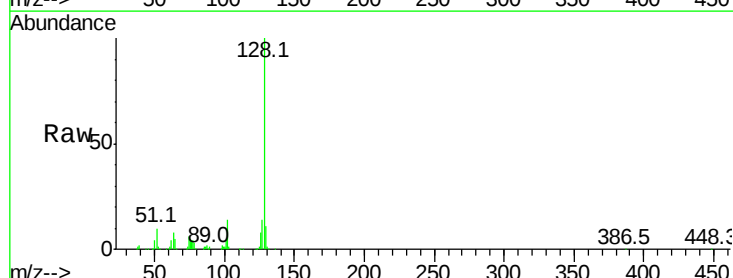
Ion Ratio Lower Upper

127 100

129 78.2 23.6 35.4#

65 2.6 37.7 56.5#

92 0.0 17.6 26.4#

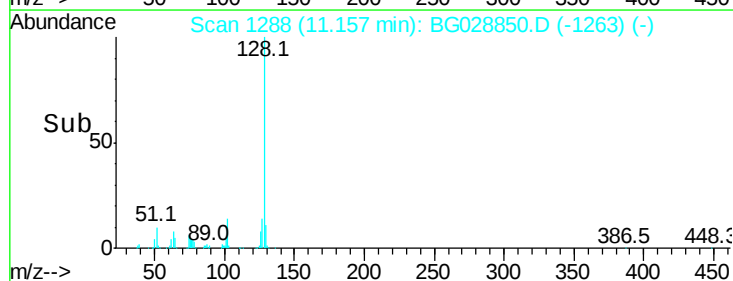
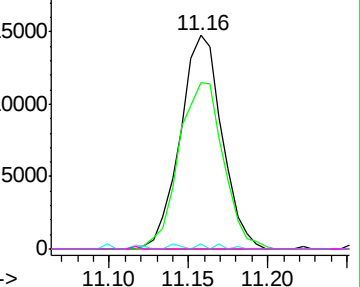


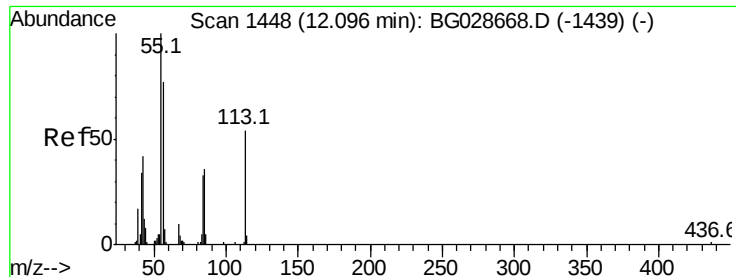
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#35

Caprolactam

Concen: 5.183 ng

RT: 12.04 min Scan# 1438

Delta R.T. -0.06 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

Instrument :

BNA_G

ClientSampleId :

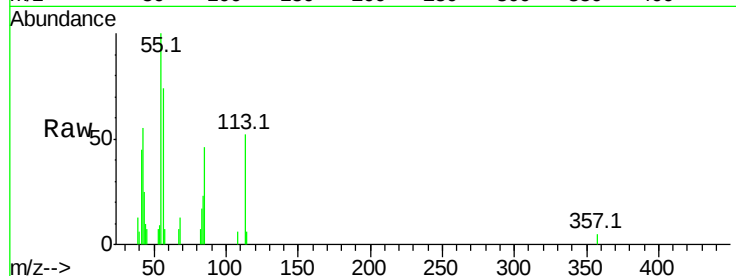
Tot Ion:113 Resp: 4558

Ion Ratio Lower Upper

113 100

55 194.1 198.6 238.6#

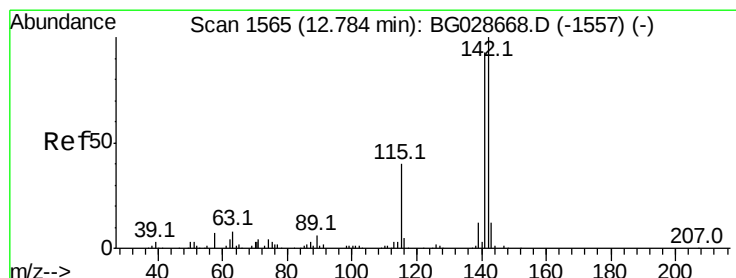
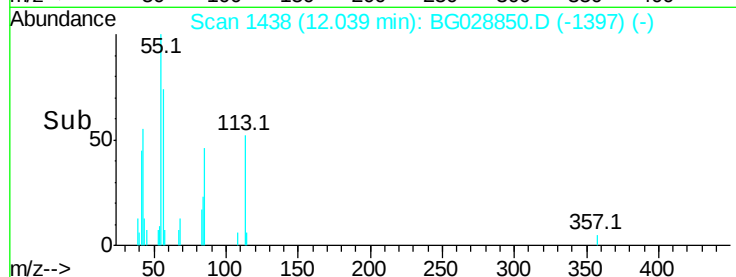
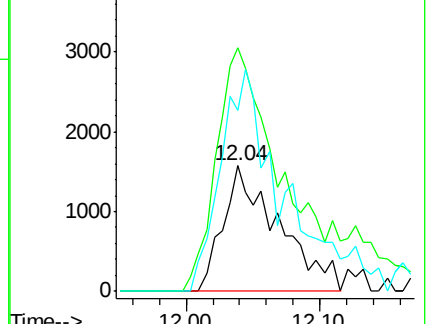
56 143.9 140.4 180.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#37

2-Methylnaphthalene

Concen: 6.243 ng

RT: 12.75 min Scan# 1559

Delta R.T. -0.03 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

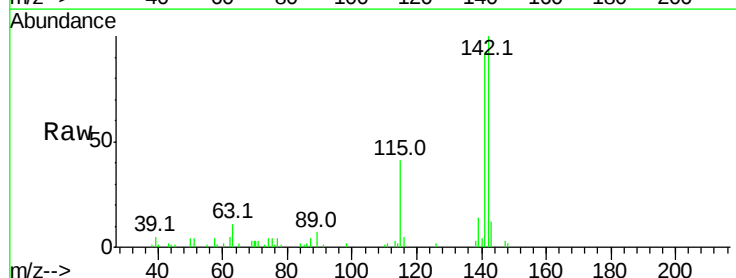
Tgt Ion:142 Resp: 33323

Ion Ratio Lower Upper

142 100

141 92.3 70.4 105.6

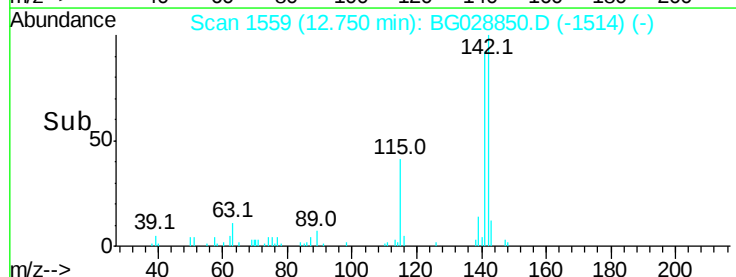
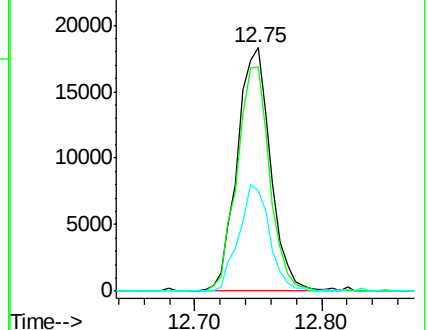
115 41.3 35.5 53.3

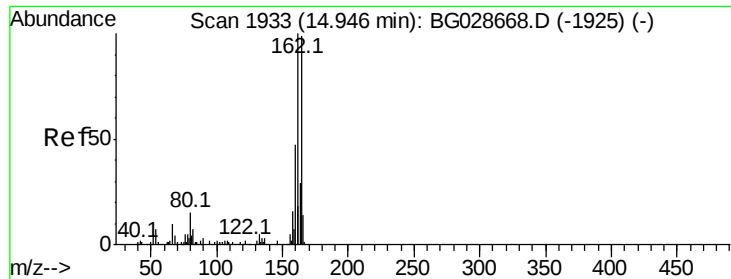


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

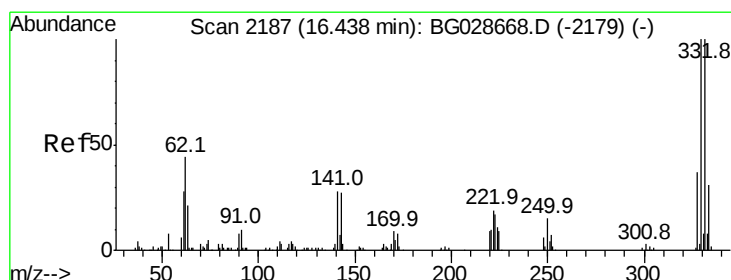
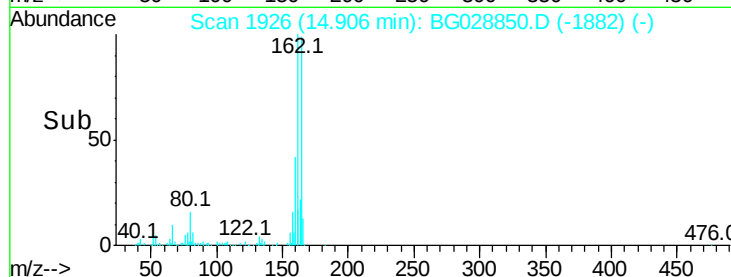
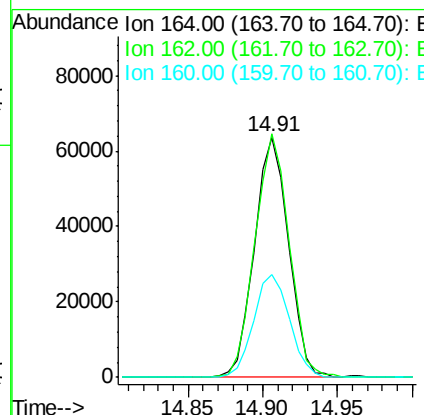
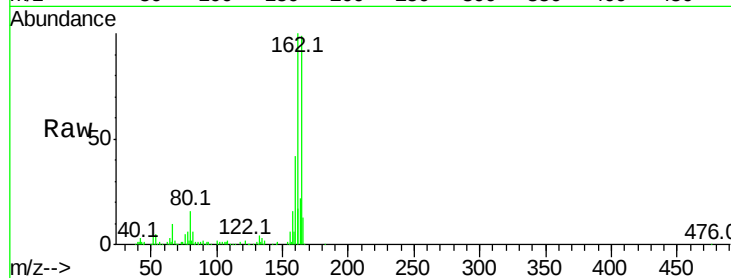




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.91 min Scan# 1926
Delta R.T. -0.04 min
Lab File: BG028850.D
Acq: 21 Sep 2017 9:46

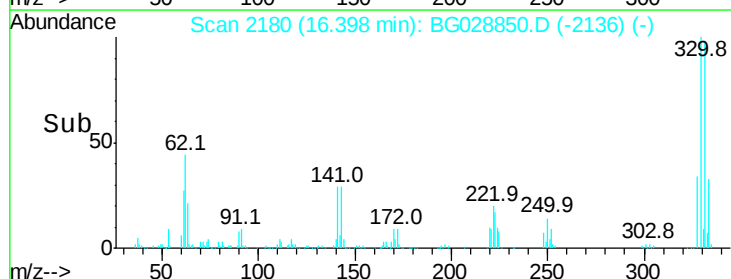
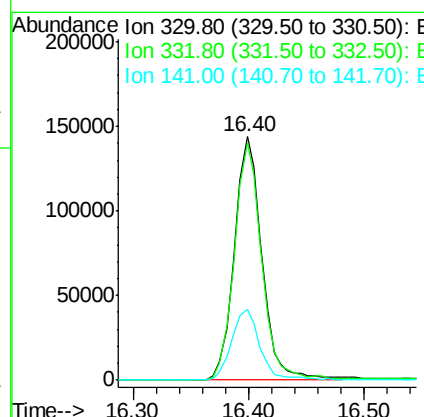
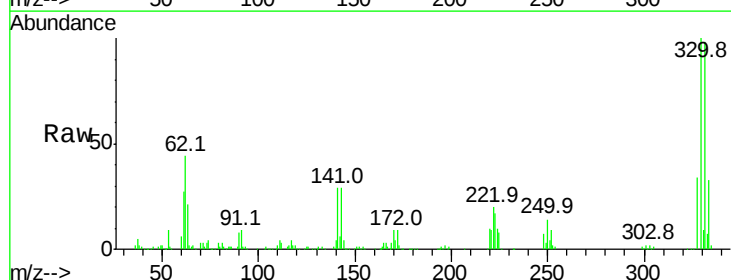
Instrument :
BNA_G
ClientSampleId :

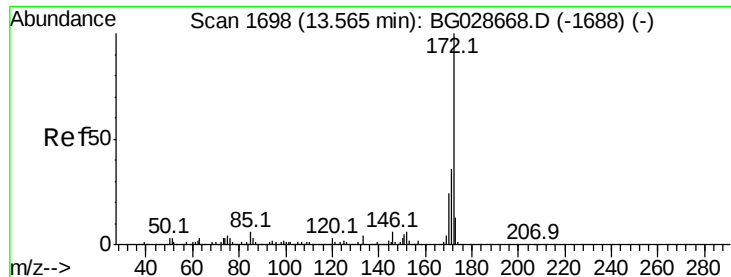
Tot Ion:164 Resp: 100330
Ion Ratio Lower Upper
164 100
162 101.5 85.1 127.7
160 42.6 34.7 52.1



#41
2,4,6-Tribromophenol
Concen: 142.878 ng
RT: 16.40 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BG028850.D
Acq: 21 Sep 2017 9:46

Tgt Ion:330 Resp: 237092
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 29.8 32.1 48.1#

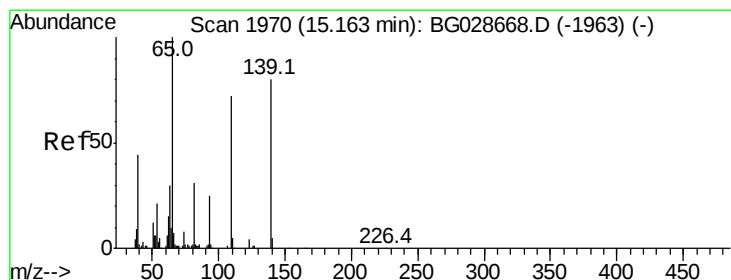
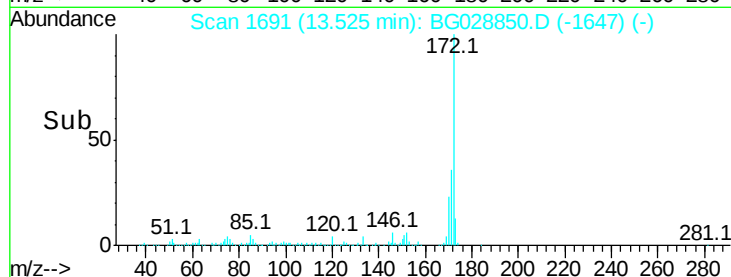
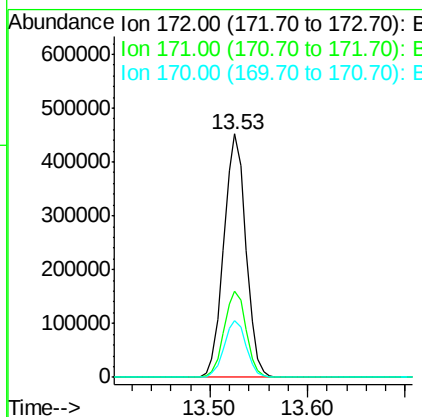
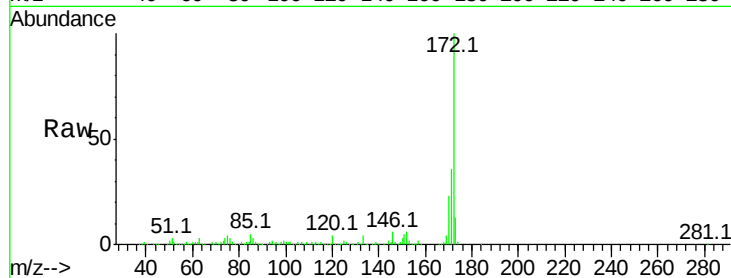




#44
2-Fluorobiphenyl
Concen: 94.213 ng
RT: 13.53 min Scan# 1691
Delta R.T. -0.04 min
Lab File: BG028850.D
Acq: 21 Sep 2017 9:46

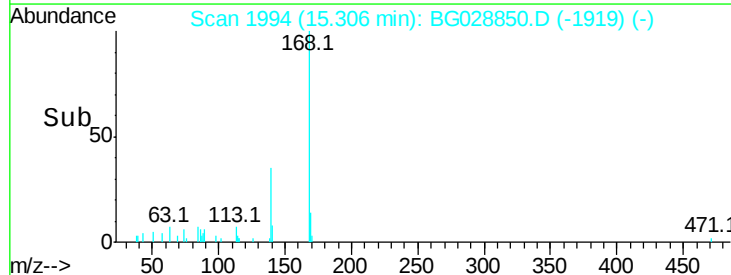
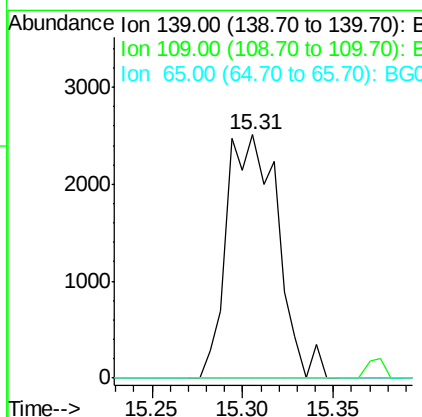
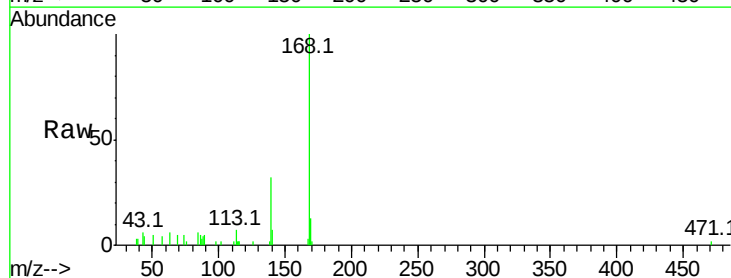
Instrument :
BNA_G
ClientSampleId :

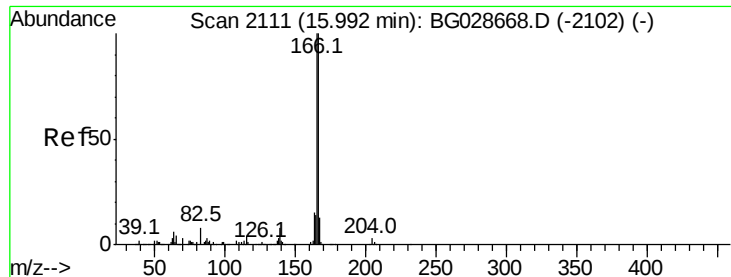
Tot Ion:172 Resp: 708882
Ion Ratio Lower Upper
172 100
171 35.6 32.2 48.2
170 23.4 21.8 32.6



#55
4-Nitrophenol
Concen: 4.064 ng
RT: 15.31 min Scan# 1994
Delta R.T. 0.14 min
Lab File: BG028850.D
Acq: 21 Sep 2017 9:46

Tgt Ion:139 Resp: 4929
Ion Ratio Lower Upper
139 100
109 0.0 101.2 141.2#
65 0.0 135.3 175.3#





#57

Fluorene

Concen: 2.150 ng

RT: 15.95 min Scan# 2104

Delta R.T. -0.04 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

Instrument :

BNA_G

ClientSampleId :

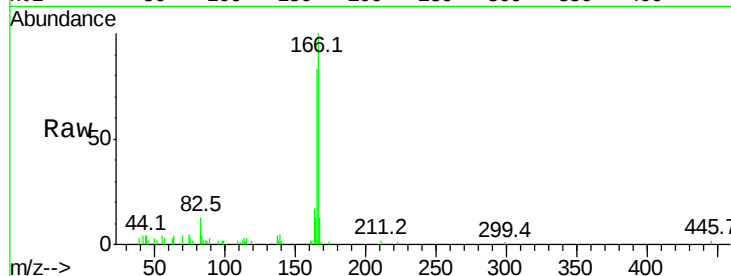
Tot Ion:166 Resp: 17995

Ion Ratio Lower Upper

166 100

165 83.2 78.6 117.8

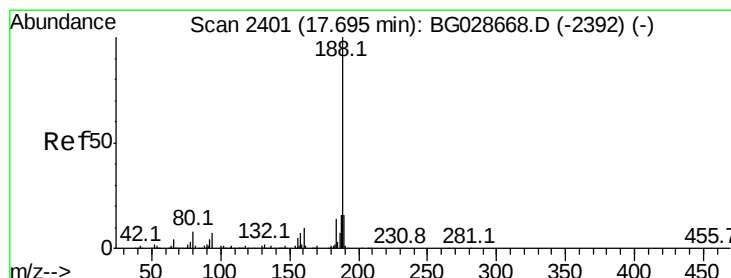
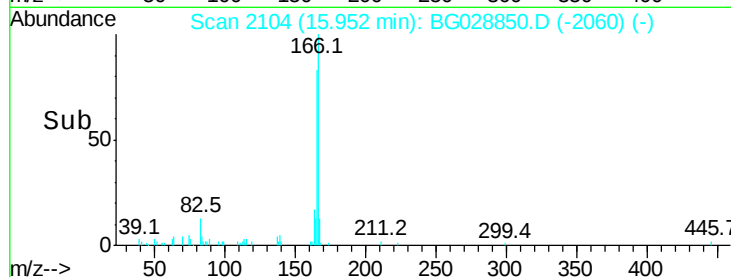
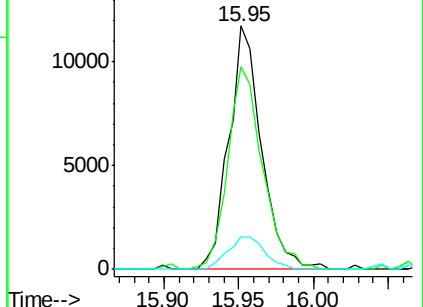
167 13.1 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.66 min Scan# 2394

Delta R.T. -0.04 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

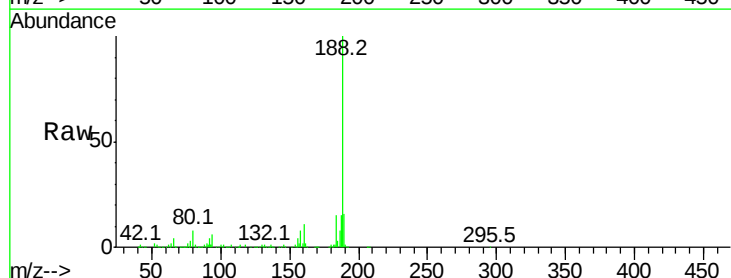
Tgt Ion:188 Resp: 266130

Ion Ratio Lower Upper

188 100

94 6.3 5.8 8.8

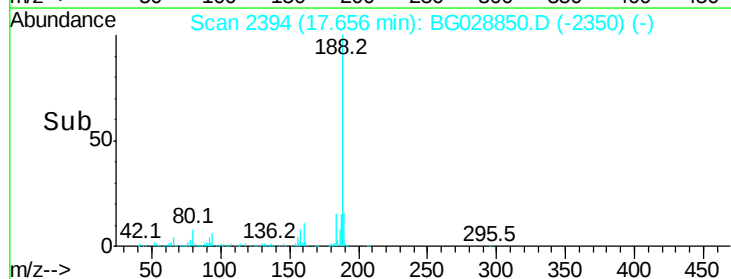
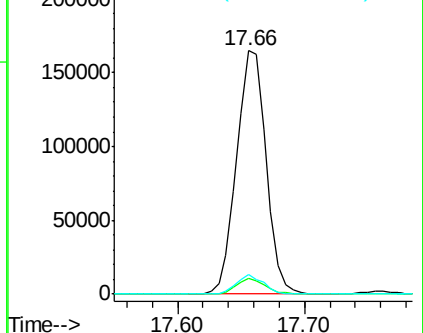
80 7.9 7.5 11.3

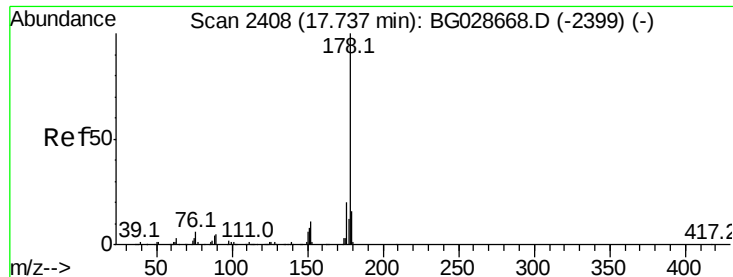


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

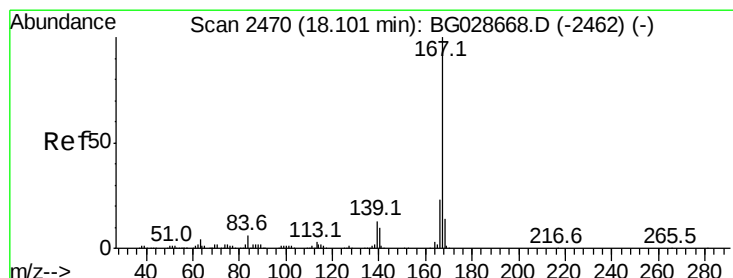
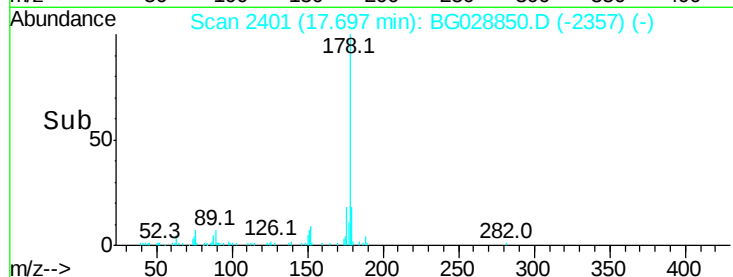
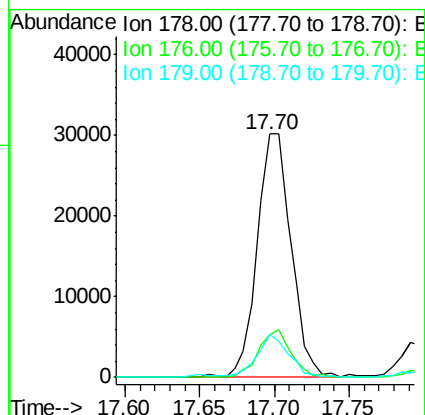
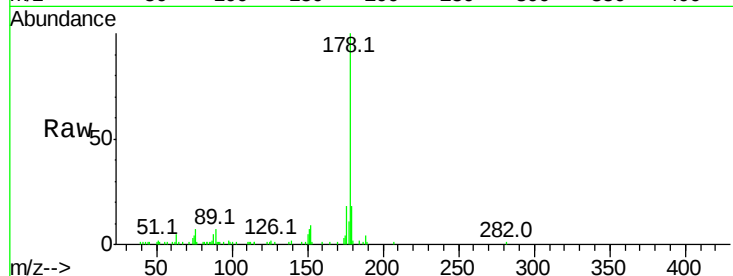




#70
Phenanthrene
Concen: 3.473 ng
RT: 17.70 min Scan# 2401
Delta R.T. -0.04 min
Lab File: BG028850.D
Acq: 21 Sep 2017 9:46

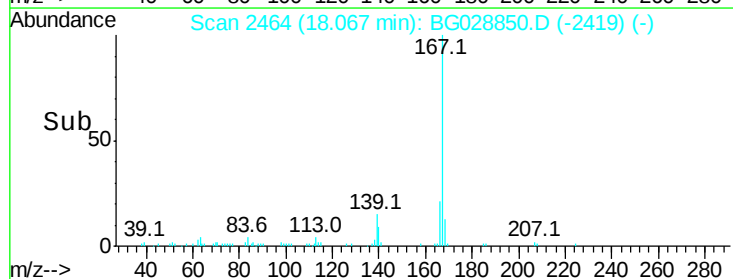
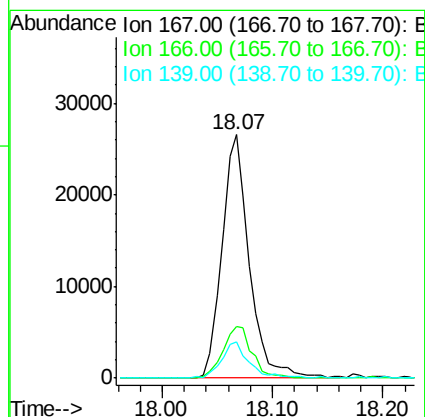
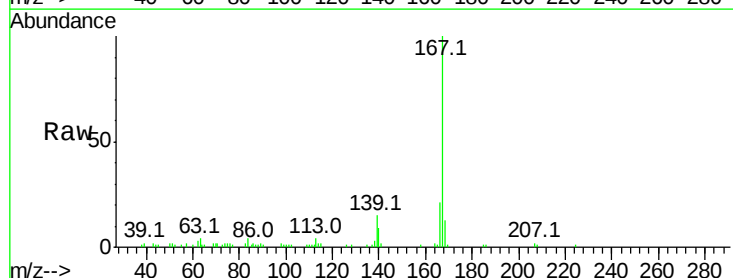
Instrument :
BNA_G
ClientSampleId :

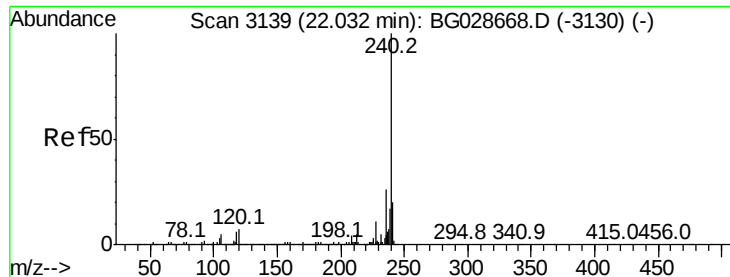
Tot Ion:178 Resp: 47271
Ion Ratio Lower Upper
178 100
176 17.8 17.7 26.5
179 17.5 15.0 22.6



#72
Carbazole
Concen: 3.700 ng
RT: 18.07 min Scan# 2464
Delta R.T. -0.03 min
Lab File: BG028850.D
Acq: 21 Sep 2017 9:46

Tgt Ion:167 Resp: 45811
Ion Ratio Lower Upper
167 100
166 21.4 20.2 30.2
139 14.7 12.8 19.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.98 min Scan# 3130

Delta R.T. -0.05 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

Instrument :

BNA_G

ClientSampleId :

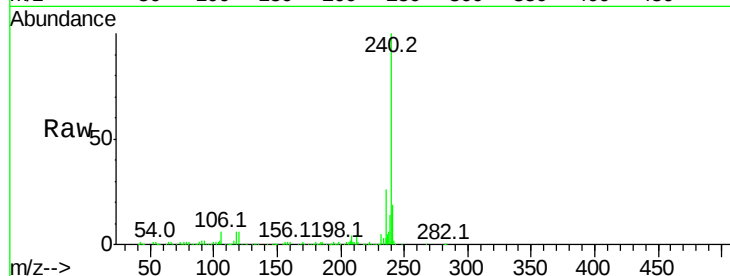
Tot Ion:240 Resp: 295352

Ion Ratio Lower Upper

240 100

120 6.2 5.7 8.5

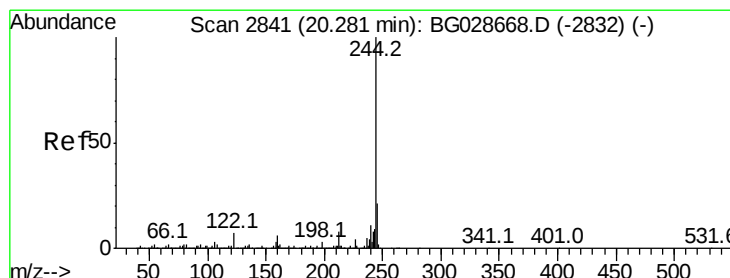
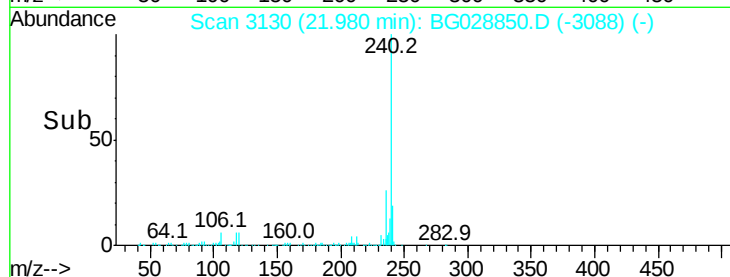
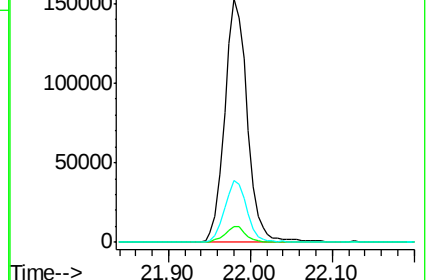
236 25.5 22.2 33.4



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



#78

Terphenyl-d14

Concen: 98.225 ng

RT: 20.25 min Scan# 2835

Delta R.T. -0.03 min

Lab File: BG028850.D

Acq: 21 Sep 2017 9:46

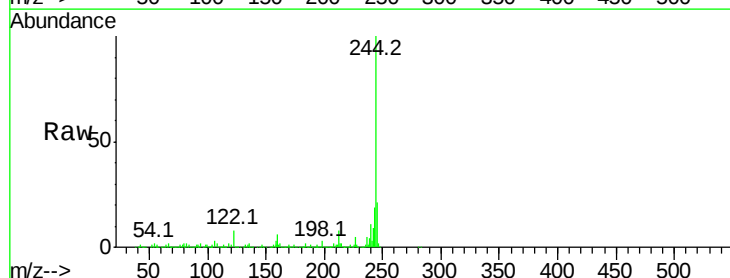
Tgt Ion:244 Resp: 1360378

Ion Ratio Lower Upper

244 100

212 7.7 10.0 15.0#

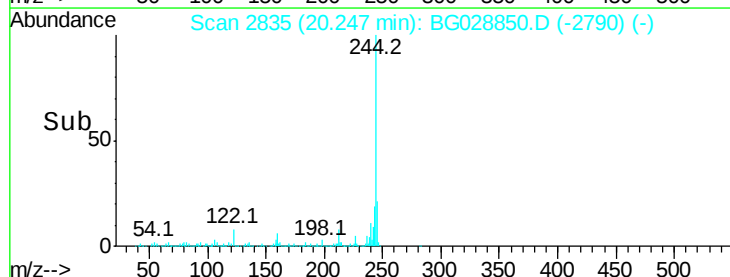
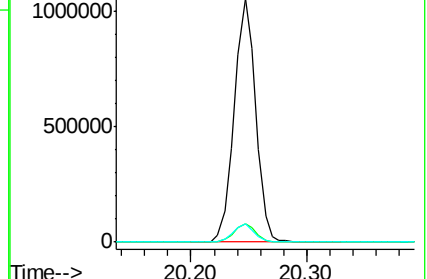
122 7.8 8.6 12.8#

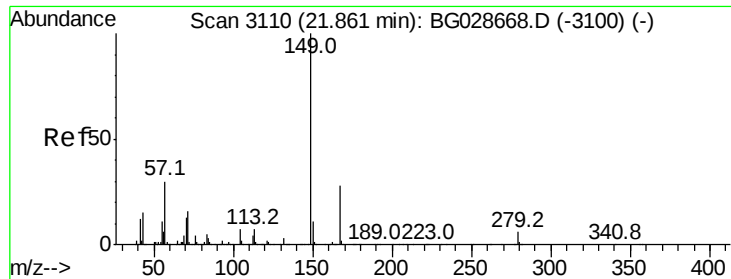


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

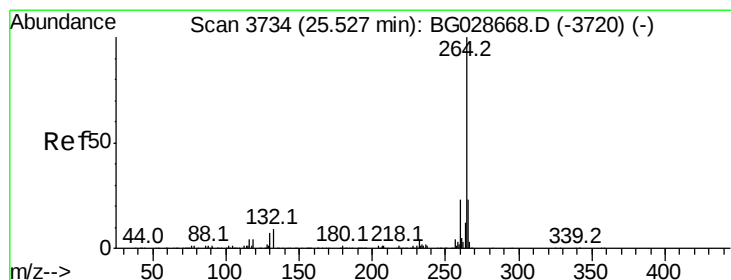
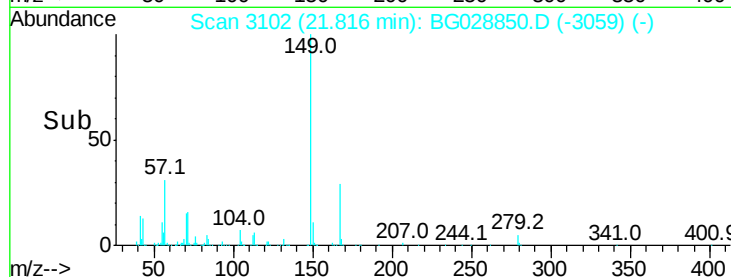
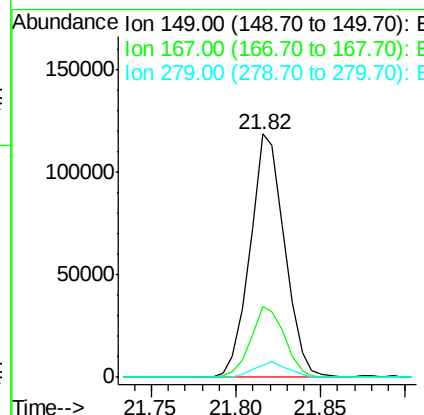
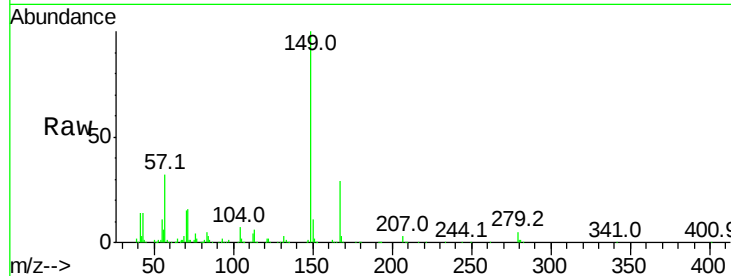




#83
Bis(2-ethylhexyl)phthalate
Concen: 17.267 ng
RT: 21.82 min Scan# 3102
Delta R.T. -0.05 min
Lab File: BG028850.D
Acq: 21 Sep 2017 9:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:149 Resp: 168897
Ion Ratio Lower Upper
149 100
167 28.9 23.7 35.5
279 4.9 4.6 6.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.45 min Scan# 3721
Delta R.T. -0.07 min
Lab File: BG028850.D
Acq: 21 Sep 2017 9:46

Tgt Ion:264 Resp: 288815
Ion Ratio Lower Upper
264 100
260 22.9 21.8 32.8
265 21.5 18.2 27.4

