

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102817\
 Data File : BG030568.D
 Acq On : 29 Oct 2017 19:23
 Operator : SJ/JU
 Sample : I6169-02
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 08:02:55 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 17:32:15 2017
 Response via : Initial Calibration

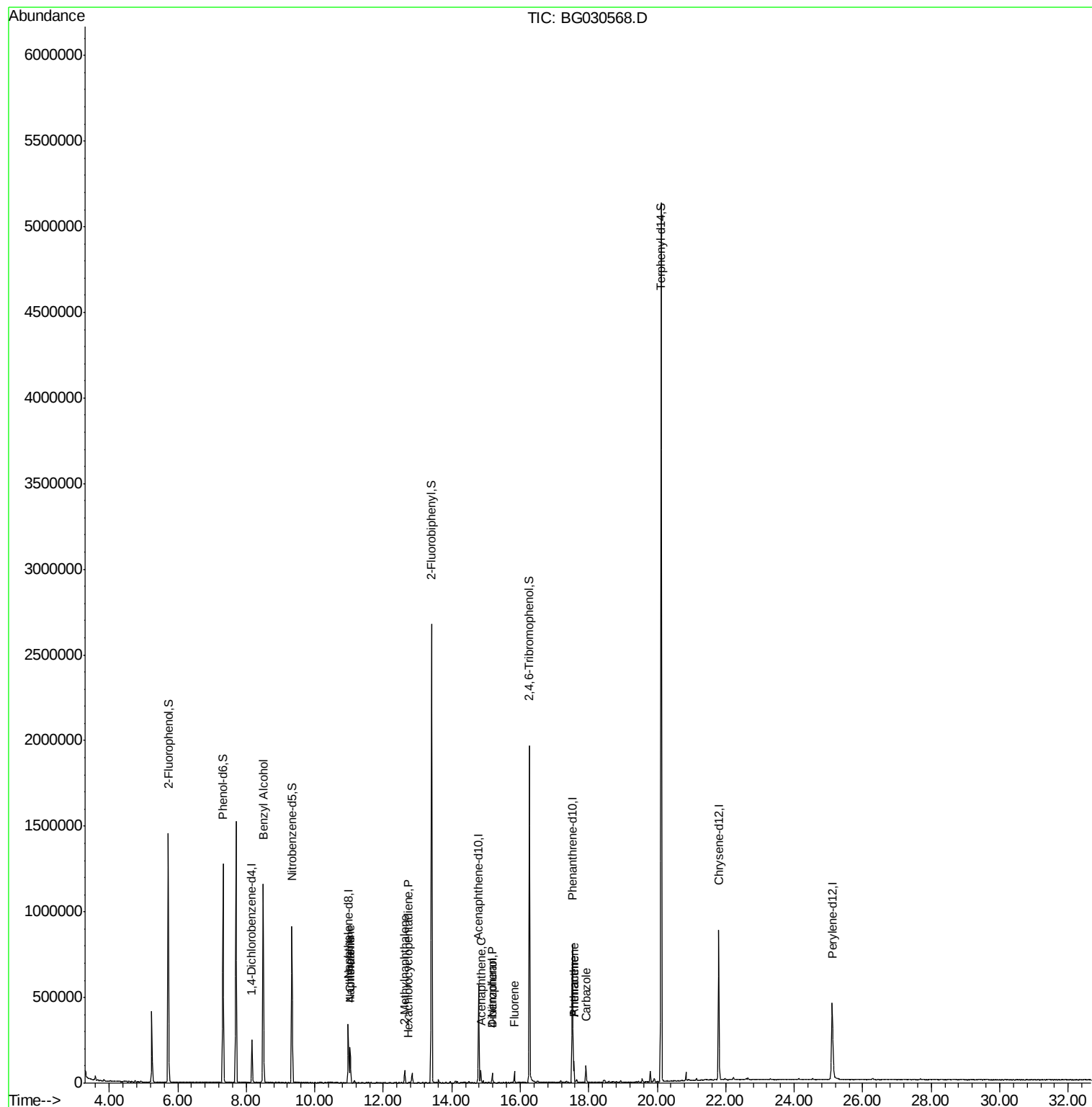
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	72196	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	307704	20.00	ng	-0.01
38) Acenaphthene-d10	14.78	164	205186	20.00	ng	-0.01
63) Phenanthrene-d10	17.52	188	518124	20.00	ng	0.00
75) Chrysene-d12	21.80	240	558099	20.00	ng	0.00
86) Perylene-d12	25.11	264	549345	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	657943	152.24	ng	0.00
7) Phenol-d6	7.32	99	784110	129.26	ng	0.00
23) Nitrobenzene-d5	9.33	82	554235	114.46	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	400142	151.04	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1454410	103.96	ng	0.00
78) Terphenyl-d14	20.12	244	2354734	95.98	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.49	79	8804	2.059	ng	Qvalue # 40
31) Naphthalene	11.03	128	183905	11.992	ng	98
33) 4-Chloroaniline	11.03	127	24254	3.760	ng	# 33
37) 2-Methylnaphthalene	12.62	142	36309	3.249	ng	93
40) Hexachlorocyclopentadiene	12.74	237	53	4.677	ng	# 22
51) Acenaphthene	14.84	154	28188	2.152	ng	93
54) Dibenzofuran	15.18	168	40083	2.143	ng	97
55) 4-Nitrophenol	15.18	139	14104	4.724	ng	# 1
57) Fluorene	15.83	166	32271	2.089	ng	91
70) Phenanthrene	17.57	178	80988	3.026	ng	99
71) Anthracene	17.57	178	80988	3.013	ng	99
72) Carbazole	17.92	167	68437	2.651	ng	98

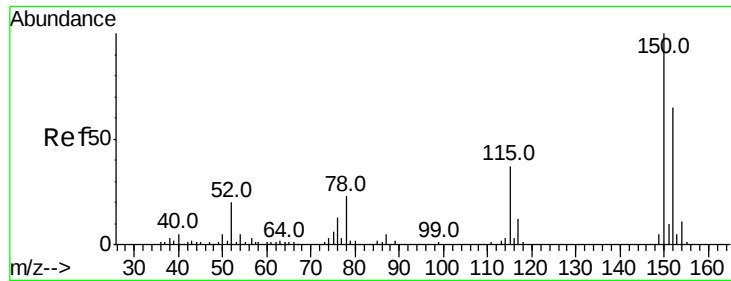
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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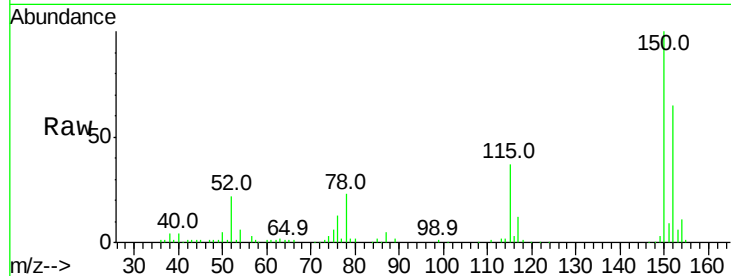


#1

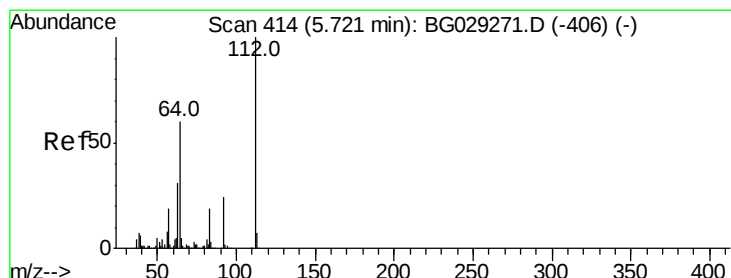
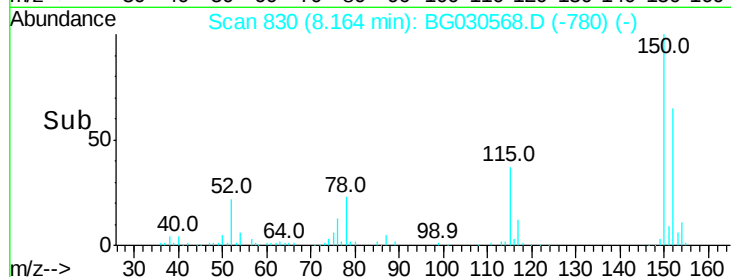
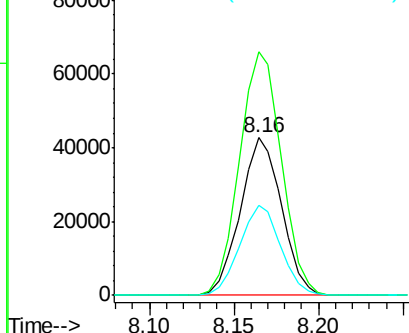
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 830
Delta R.T. -0.01 min
Lab File: BG030568.D
Acq: 29 Oct 2017 19:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 72196
Ion Ratio Lower Upper
152 100
150 154.3 126.6 189.8
115 56.9 53.0 79.4



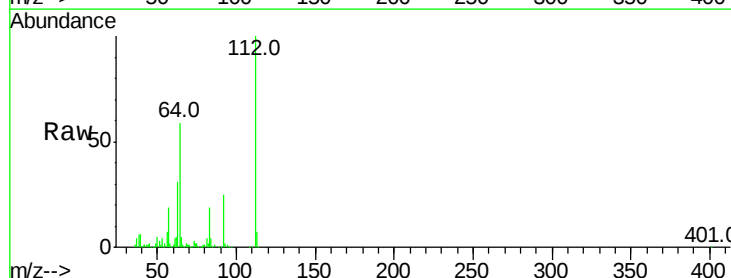
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



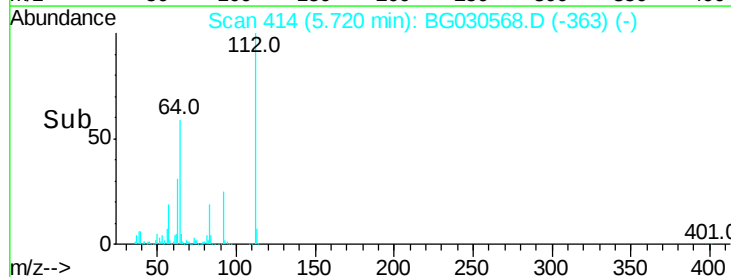
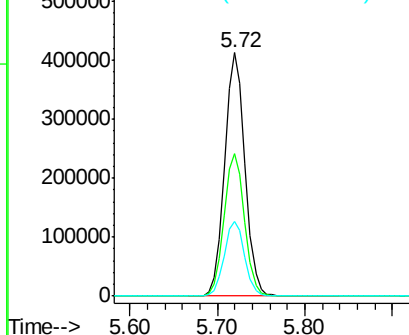
#5

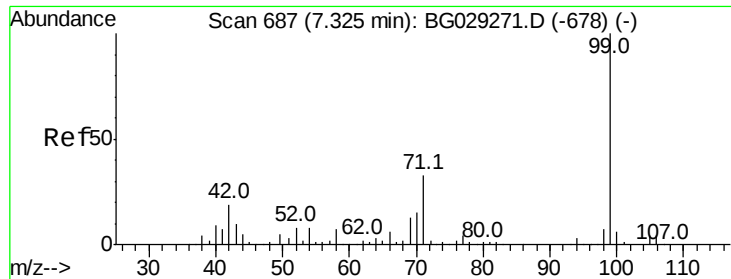
2-Fluorophenol
Concen: 152.242 ng
RT: 5.72 min Scan# 414
Delta R.T. 0.00 min
Lab File: BG030568.D
Acq: 29 Oct 2017 19:23

Tgt Ion:112 Resp: 657943
Ion Ratio Lower Upper
112 100
64 58.6 56.3 84.5
63 30.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 129.260 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG030568.D

Acq: 29 Oct 2017 19:23

Instrument :

BNA_G

ClientSampled :

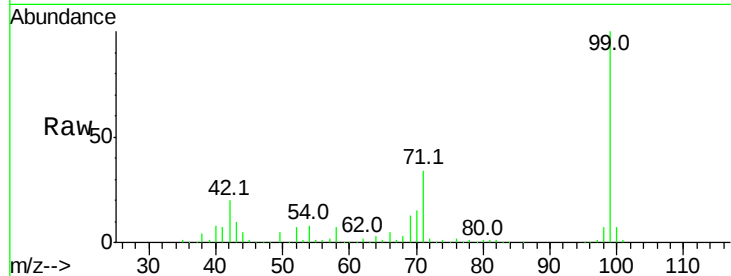
Tot Ion: 99 Resp: 784110

Ion Ratio Lower Upper

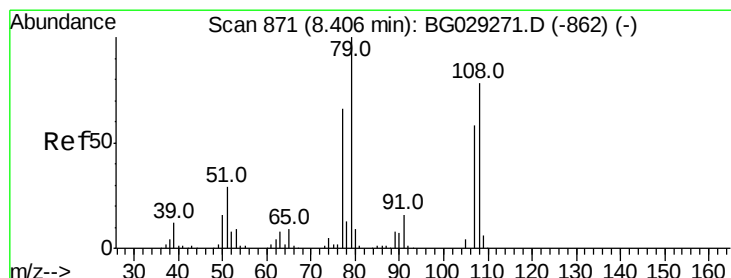
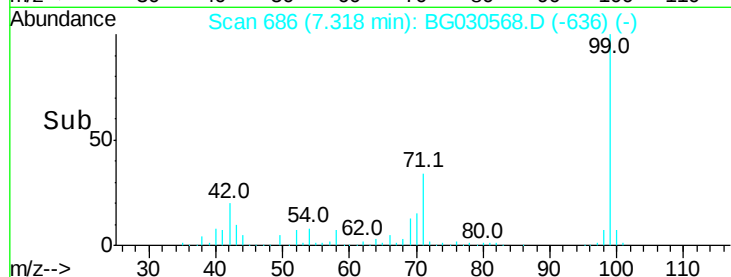
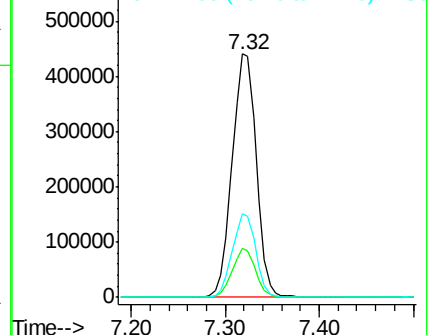
99 100

42 20.1 14.1 21.1

71 34.2 26.1 39.1



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



#15

Benzyl Alcohol

Concen: 2.059 ng

RT: 8.49 min Scan# 885

Delta R.T. 0.08 min

Lab File: BG030568.D

Acq: 29 Oct 2017 19:23

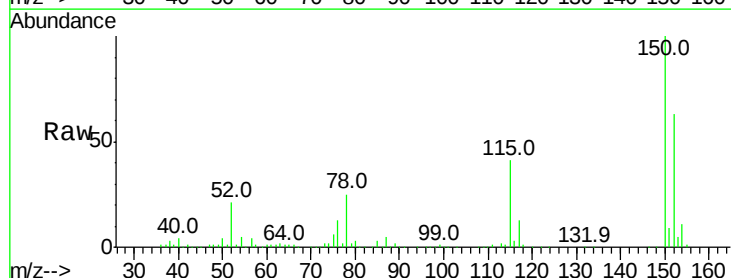
Tgt Ion: 79 Resp: 8804

Ion Ratio Lower Upper

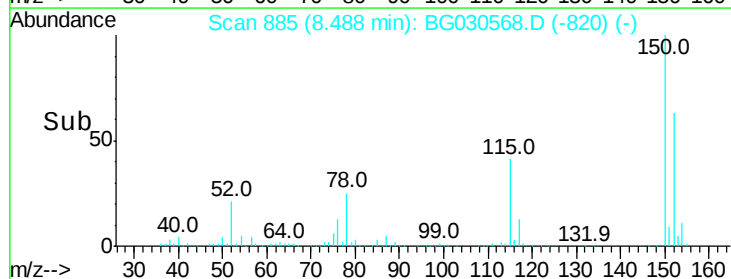
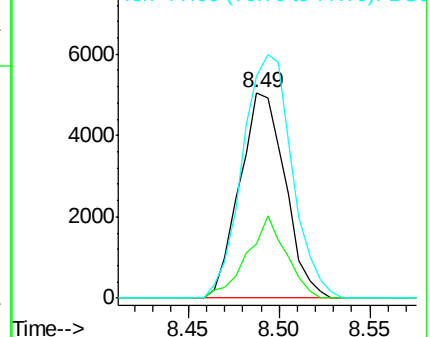
79 100

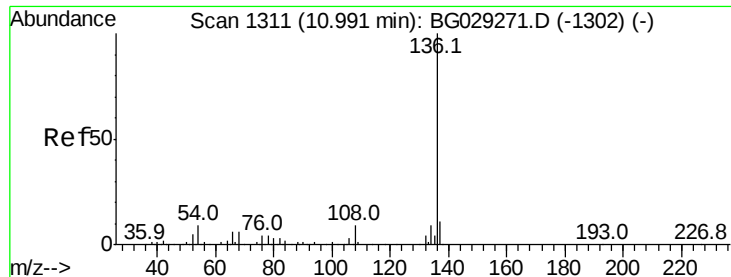
108 26.4 57.2 85.8#

77 107.8 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.98 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG030568.D

Acq: 29 Oct 2017 19:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 307704

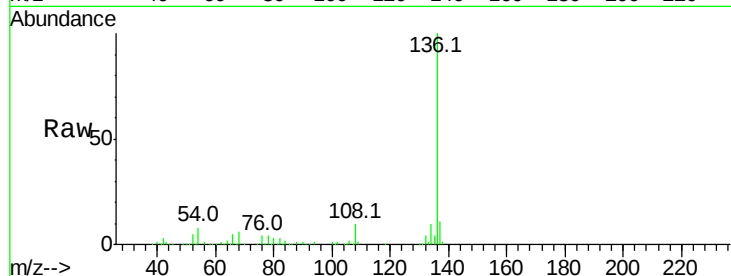
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 8.4 10.3 15.5#

68 6.0 4.5 6.7

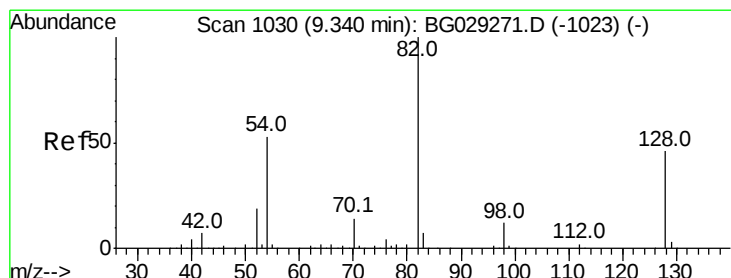
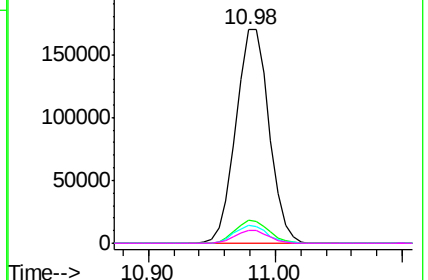
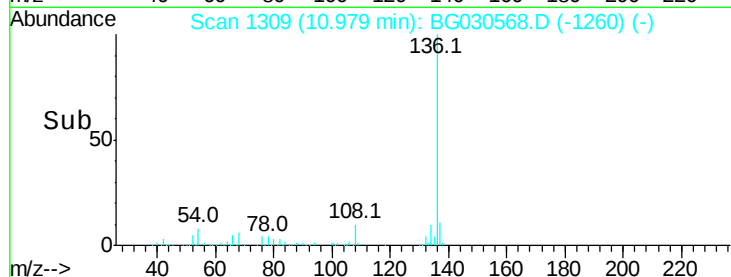


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 114.461 ng

RT: 9.33 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BG030568.D

Acq: 29 Oct 2017 19:23

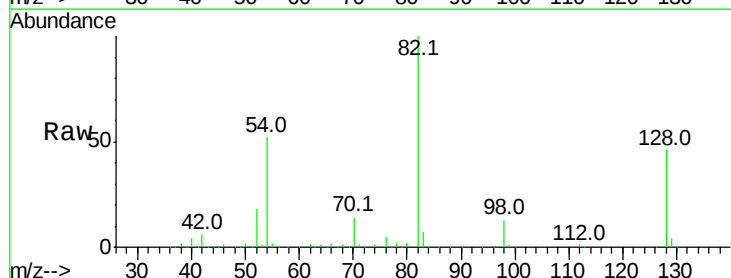
Tgt Ion: 82 Resp: 554235

Ion Ratio Lower Upper

82 100

128 46.0 29.7 44.5#

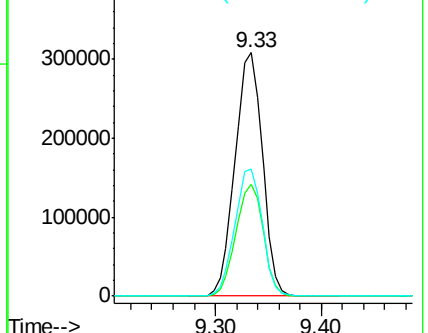
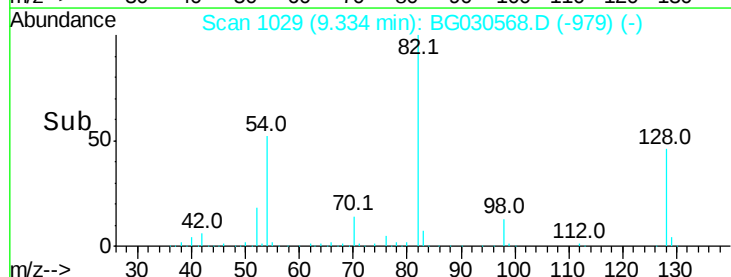
54 52.3 43.1 64.7

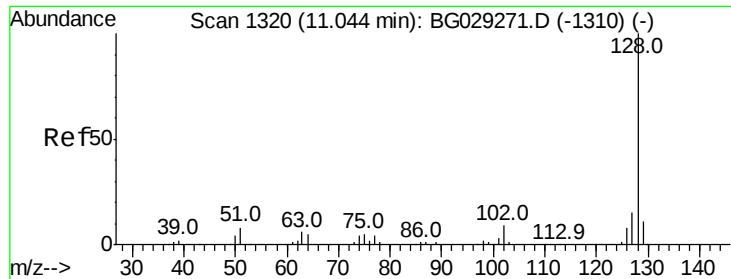


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

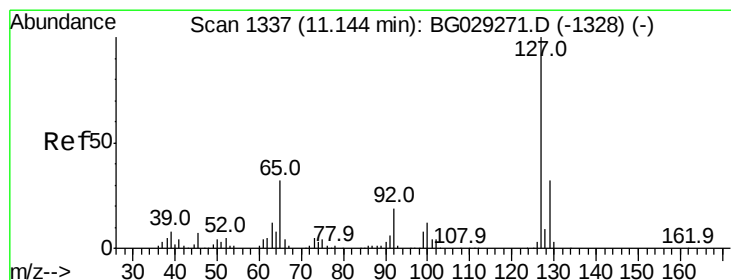
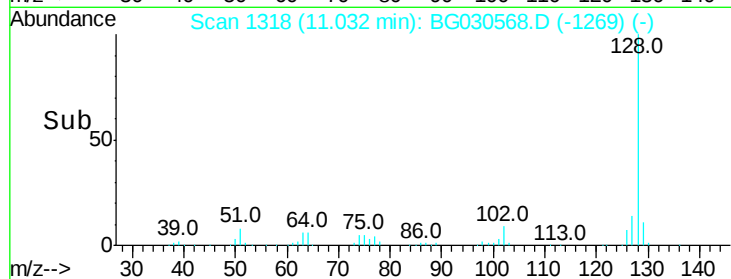
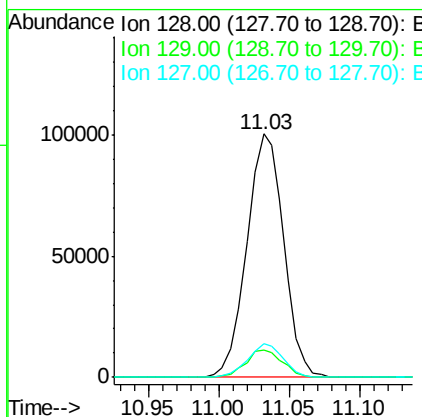
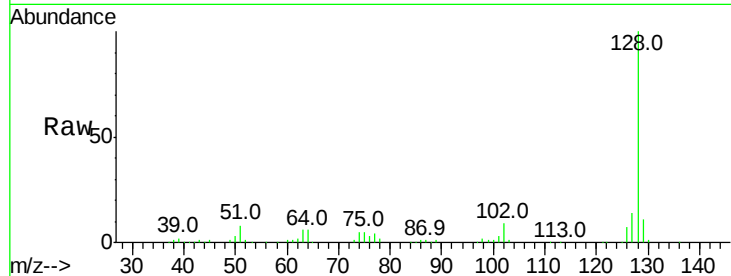




#31
Naphthalene
Concen: 11.992 ng
RT: 11.03 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG030568.D
Acq: 29 Oct 2017 19:23

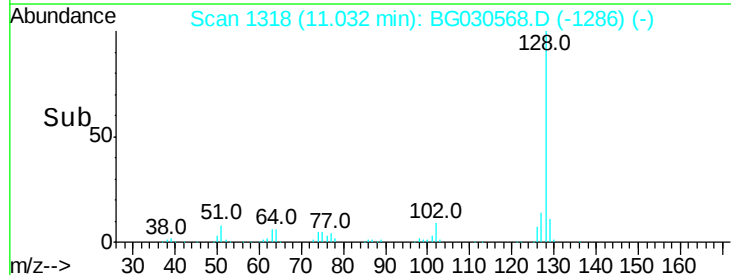
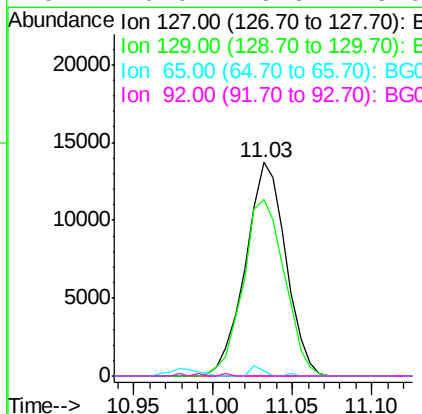
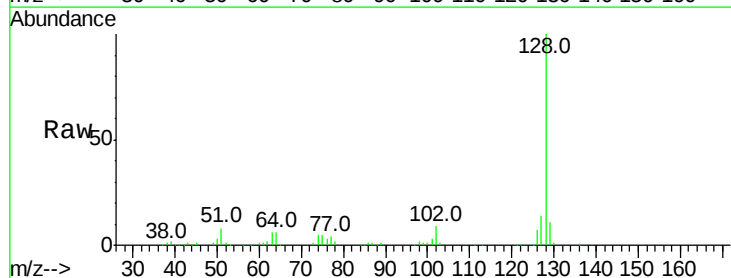
Instrument :
BNA_G
ClientSampleId :

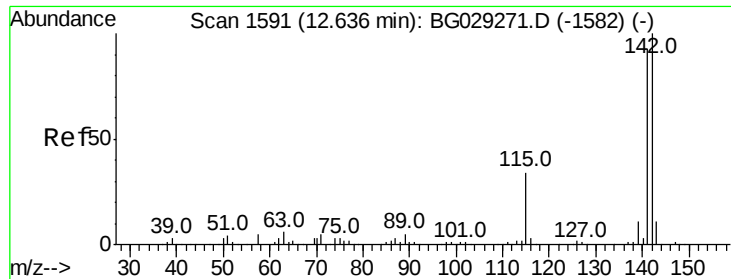
Tot Ion:	128	Resp:	183905
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	13.6	11.6	17.4



#33
4-Chloroaniline
Concen: 3.760 ng
RT: 11.03 min Scan# 1318
Delta R.T. -0.11 min
Lab File: BG030568.D
Acq: 29 Oct 2017 19:23

Tgt Ion:	127	Resp:	24254
Ion	Ratio	Lower	Upper
127	100		
129	82.7	24.0	36.0#
65	2.4	27.0	40.4#
92	0.0	16.6	25.0#

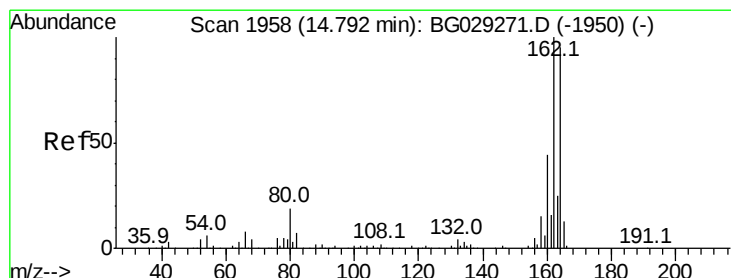
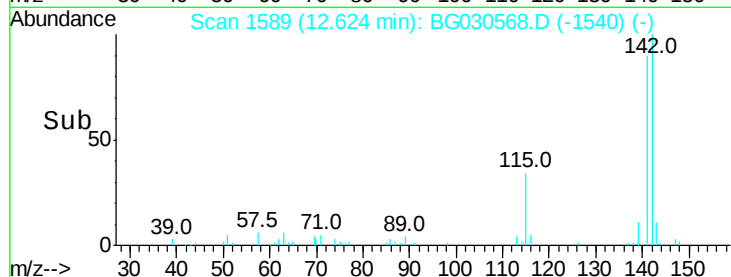
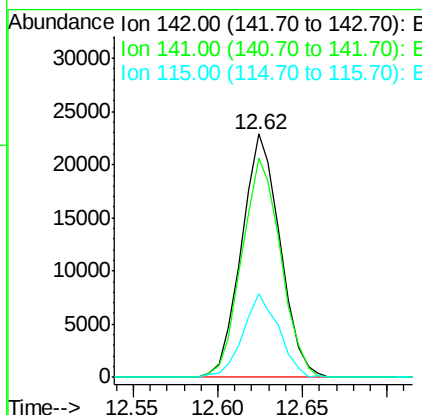
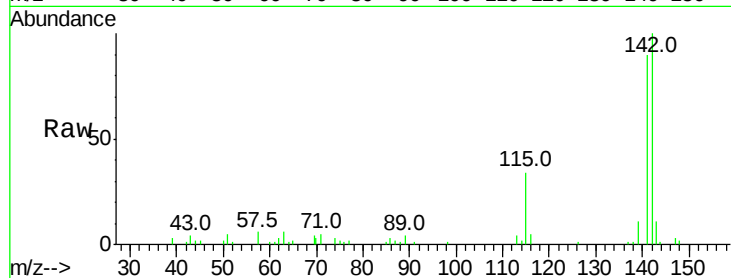




#37
2-Methylnaphthalene
Concen: 3.249 ng
RT: 12.62 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BG030568.D
Acq: 29 Oct 2017 19:23

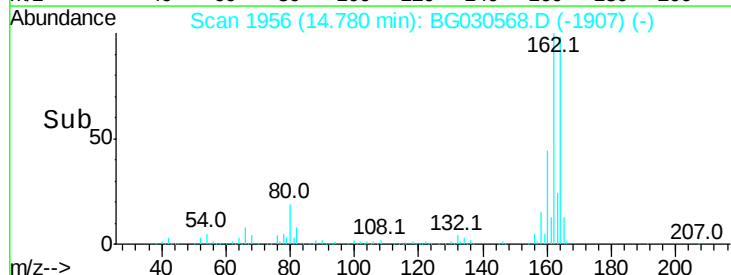
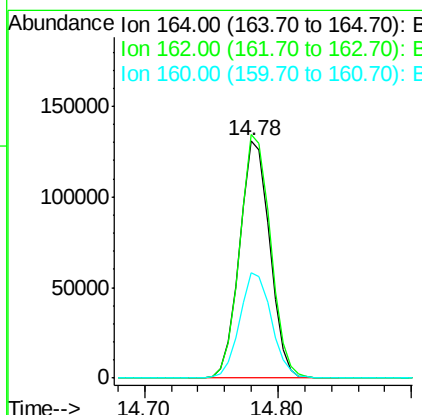
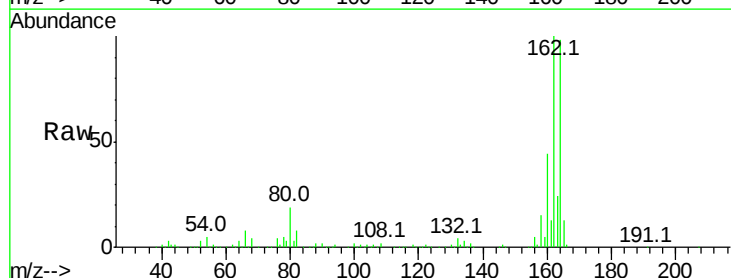
Instrument :
BNA_G
ClientSampleId :

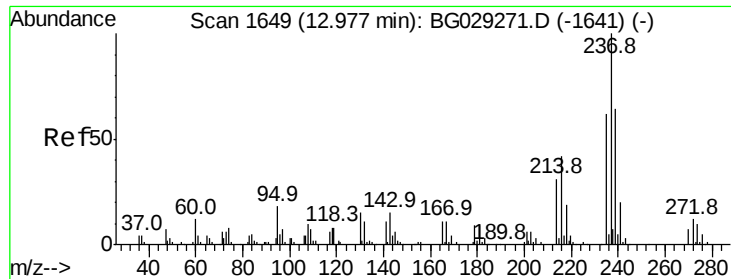
Tot Ion:142 Resp: 36309
Ion Ratio Lower Upper
142 100
141 90.3 67.1 100.7
115 34.3 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.78 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BG030568.D
Acq: 29 Oct 2017 19:23

Tgt Ion:164 Resp: 205186
Ion Ratio Lower Upper
164 100
162 102.5 78.8 118.2
160 44.6 35.4 53.0

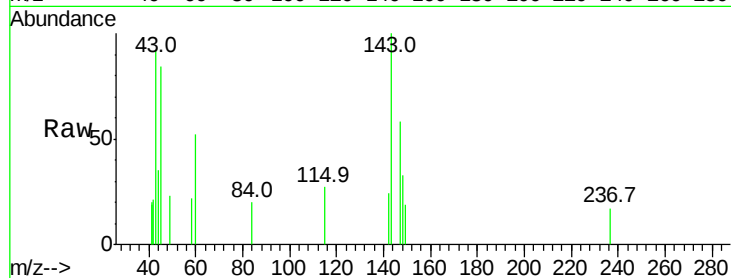




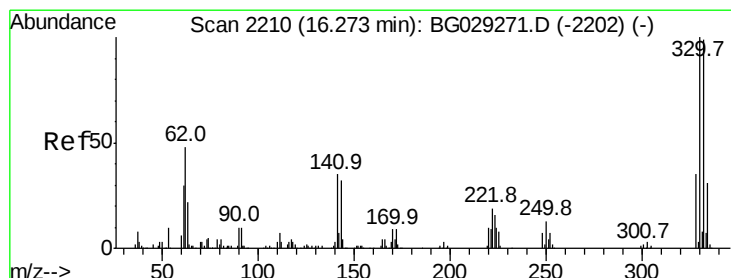
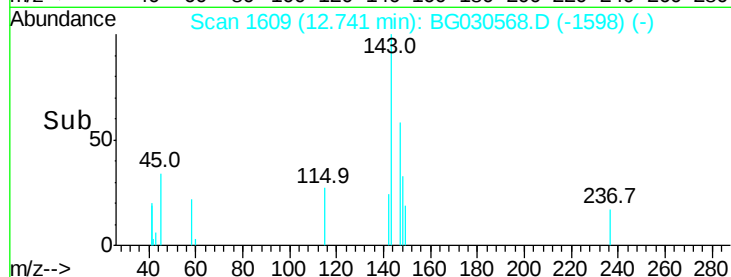
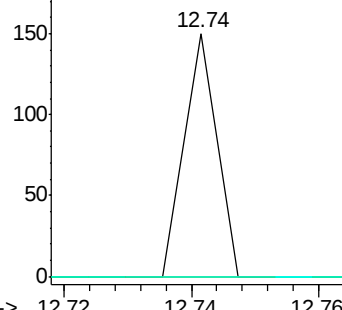
#40
Hexachlorocyclopentadiene
Concen: 4.677 ng
RT: 12.74 min Scan# 1609
Delta R.T. -0.23 min
Lab File: BG030568.D
Acq: 29 Oct 2017 19:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:237 Resp: 53
Ion Ratio Lower Upper
237 100
235 0.0 50.4 90.4#
272 0.0 0.0 31.8

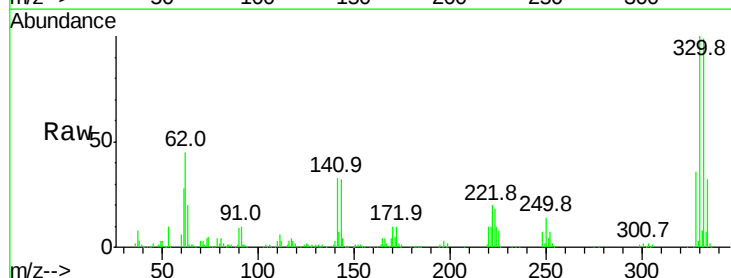


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

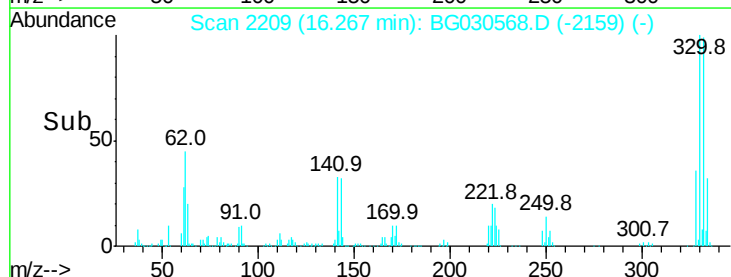
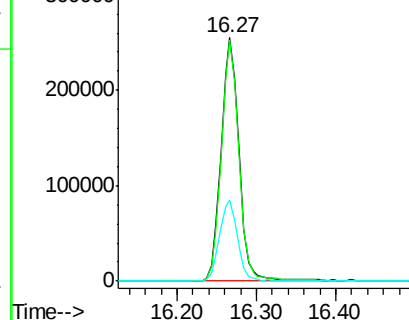


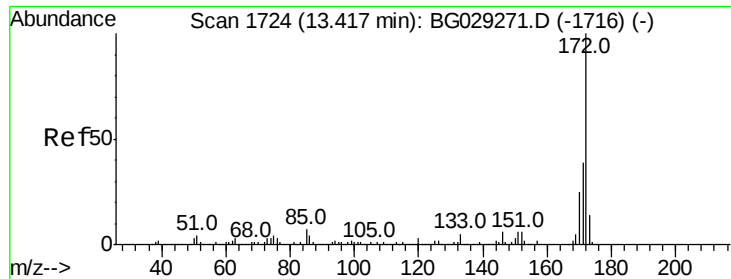
#41
2,4,6-Tribromophenol
Concen: 151.045 ng
RT: 16.27 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BG030568.D
Acq: 29 Oct 2017 19:23

Tgt Ion:330 Resp: 400142
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 33.3 25.2 37.8



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



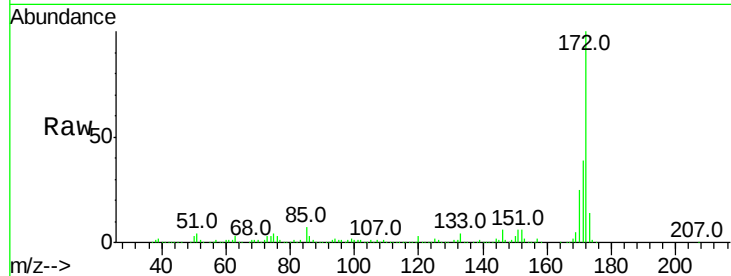


#44
 2-Fluorobiphenyl
 Concen: 103.960 ng
 RT: 13.41 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BG030568.D
 Acq: 29 Oct 2017 19:23

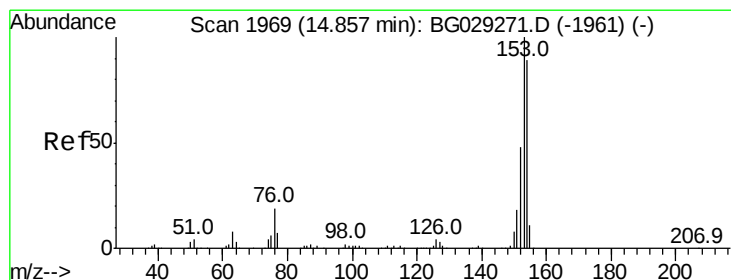
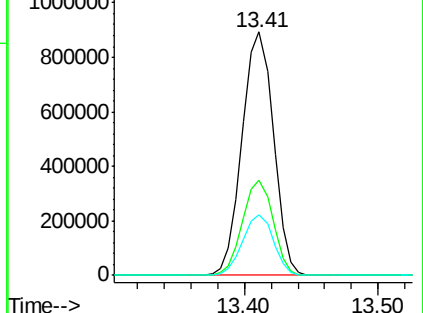
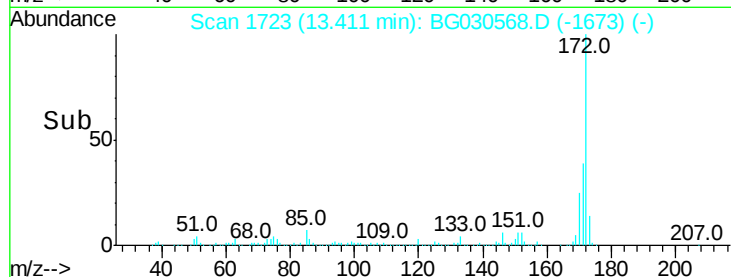
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1454410

Ion	Ratio	Lower	Upper
172	100		
171	39.3	30.0	45.0
170	25.1	19.5	29.3



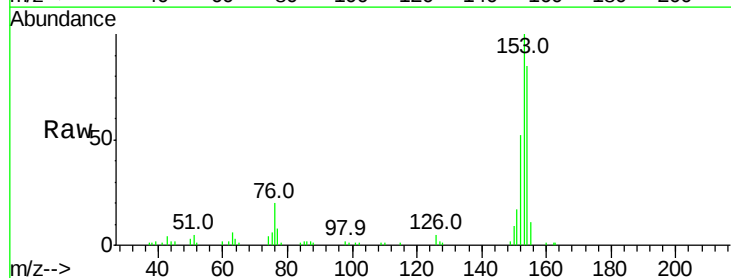
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



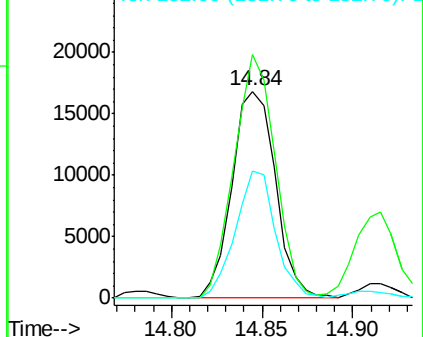
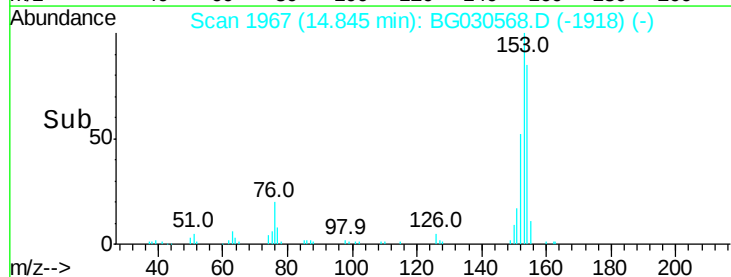
#51
 Acenaphthene
 Concen: 2.152 ng
 RT: 14.84 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BG030568.D
 Acq: 29 Oct 2017 19:23

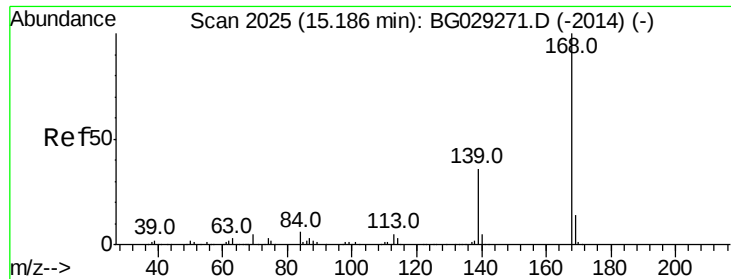
Tgt Ion:154 Resp: 28188

Ion	Ratio	Lower	Upper
154	100		
153	117.6	90.4	135.6
152	61.2	41.6	62.4



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

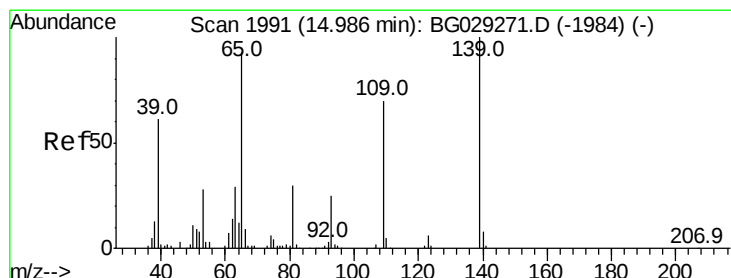
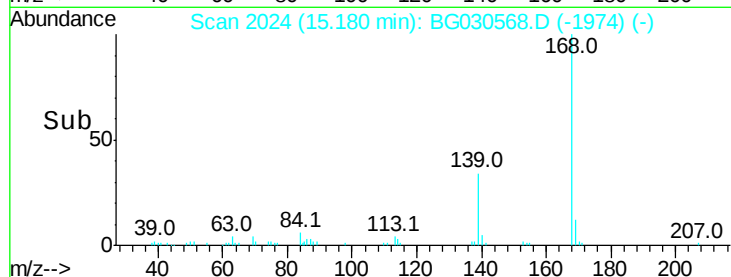
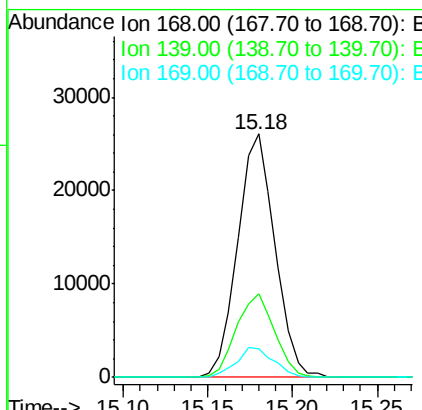
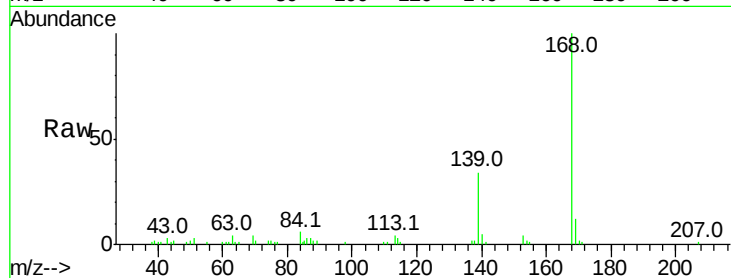




#54
Dibenzenofuran
Concen: 2.143 ng
RT: 15.18 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG030568.D
Acq: 29 Oct 2017 19:23

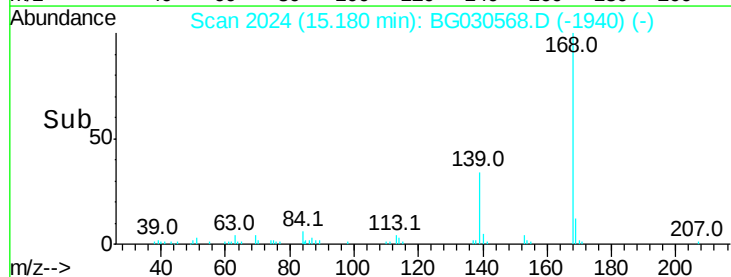
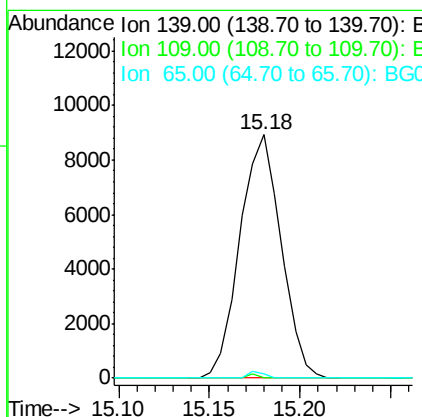
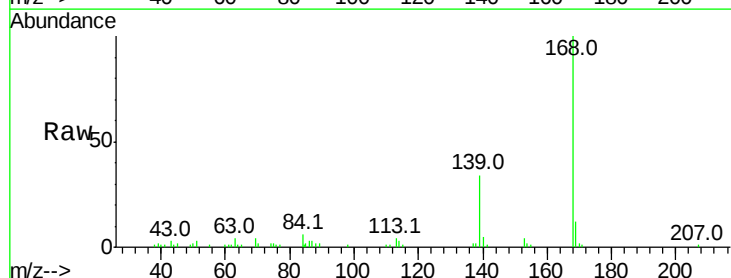
Instrument :
BNA_G
ClientSampleId :

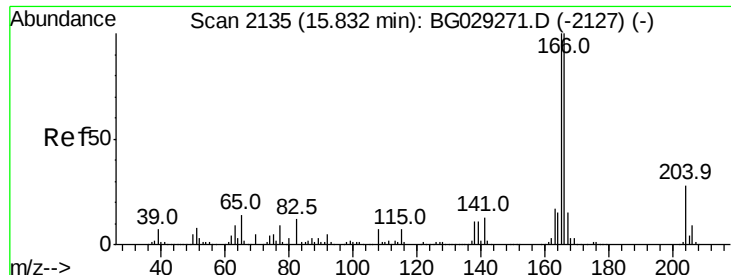
Tot Ion:168 Resp: 40083
Ion Ratio Lower Upper
168 100
139 34.3 28.6 43.0
169 11.8 11.2 16.8



#55
4-Nitrophenol
Concen: 4.724 ng
RT: 15.18 min Scan# 2024
Delta R.T. 0.19 min
Lab File: BG030568.D
Acq: 29 Oct 2017 19:23

Tgt Ion:139 Resp: 14104
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 1.7 97.2 137.2#

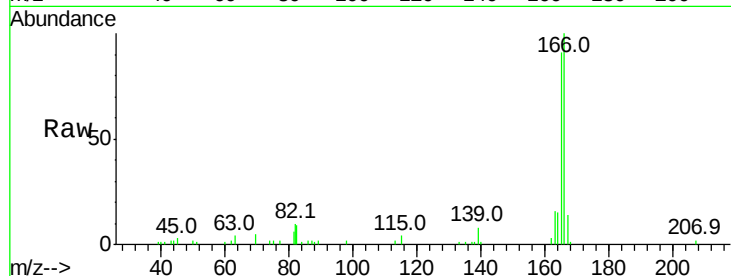




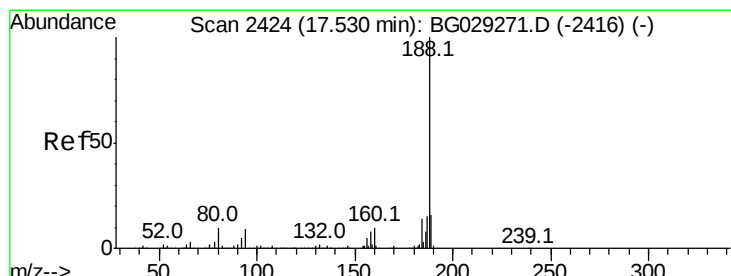
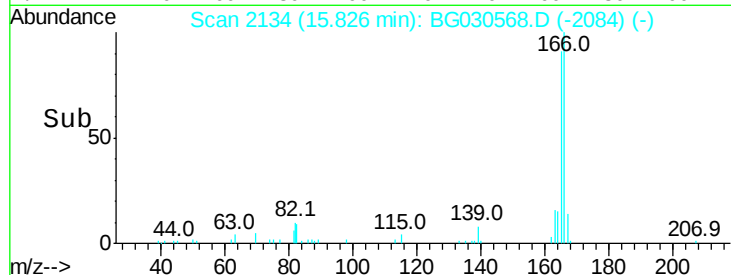
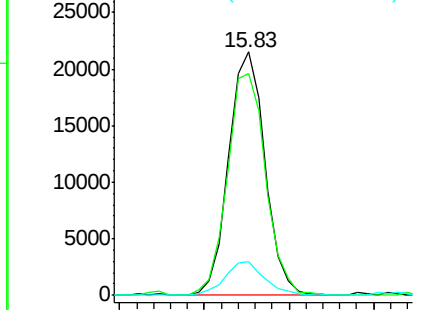
#57
 Fluorene
 Concen: 2.089 ng
 RT: 15.83 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BG030568.D
 Acq: 29 Oct 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:166 Resp: 32271
 Ion Ratio Lower Upper
 166 100
 165 91.3 80.6 121.0
 167 13.8 10.4 15.6

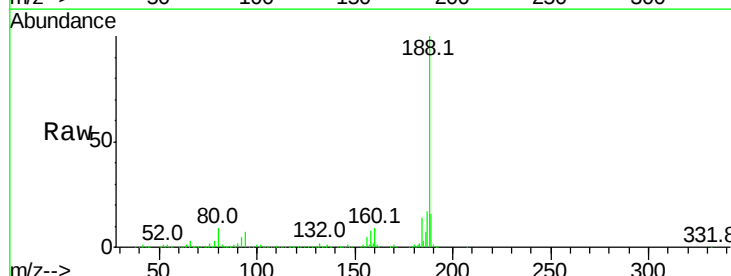


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

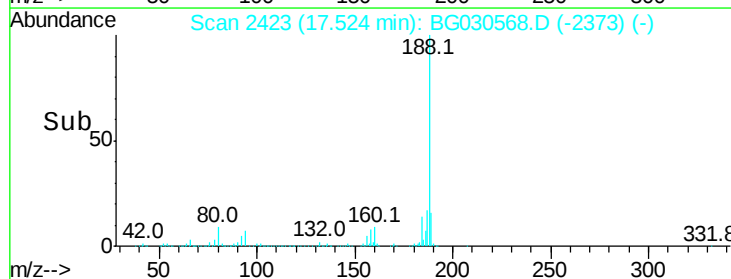
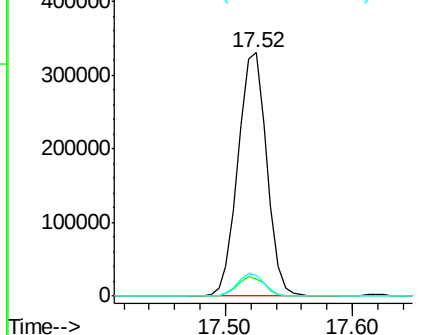


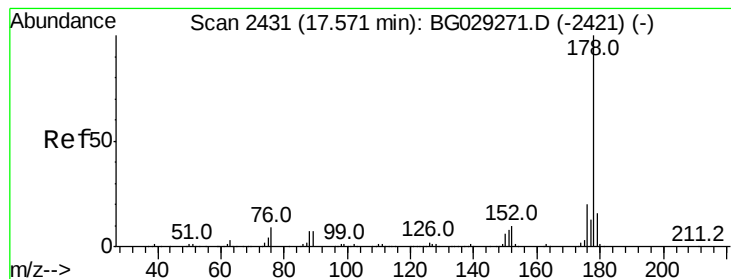
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG030568.D
 Acq: 29 Oct 2017 19:23

Tgt Ion:188 Resp: 518124
 Ion Ratio Lower Upper
 188 100
 94 7.2 6.9 10.3
 80 8.6 7.7 11.5



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: 3.026 ng

RT: 17.57 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG030568.D

Acq: 29 Oct 2017 19:23

Instrument :

BNA_G

ClientSampleId :

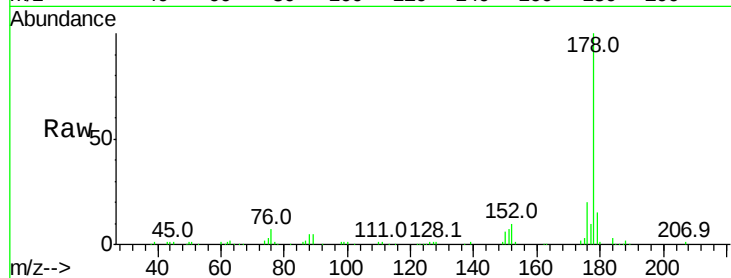
Tot Ion:178 Resp: 80988

Ion Ratio Lower Upper

178 100

176 19.8 15.7 23.5

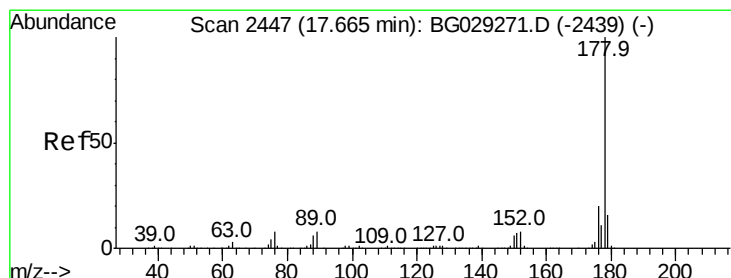
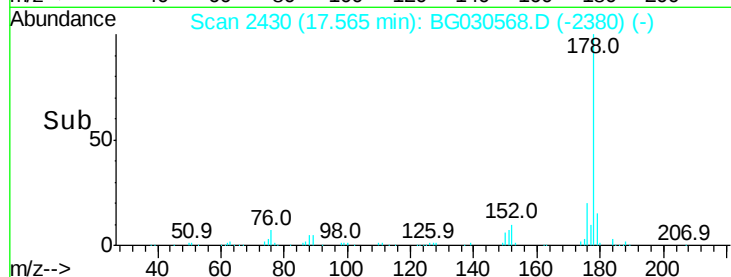
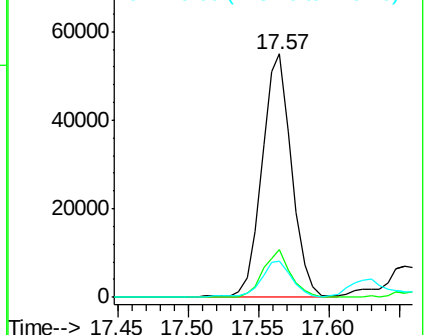
179 14.8 12.5 18.7



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: 3.013 ng

RT: 17.57 min Scan# 2430

Delta R.T. -0.10 min

Lab File: BG030568.D

Acq: 29 Oct 2017 19:23

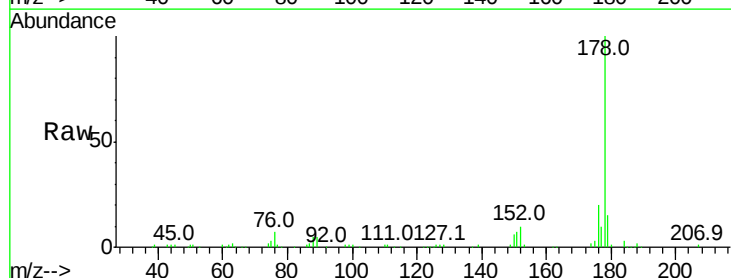
Tgt Ion:178 Resp: 80988

Ion Ratio Lower Upper

178 100

176 19.8 16.0 24.0

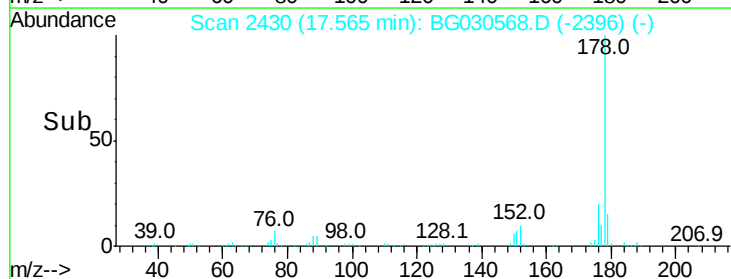
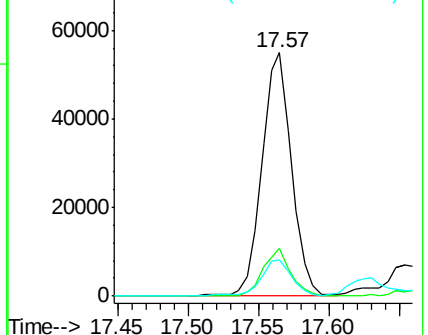
179 14.8 12.5 18.7

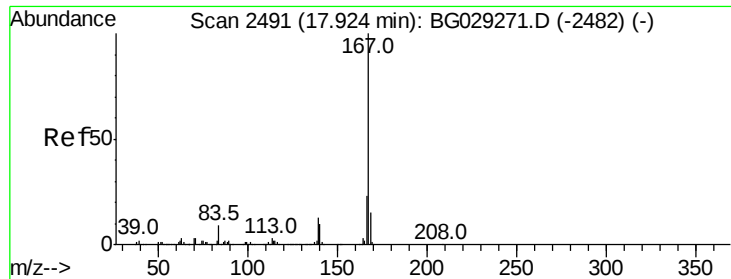


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.651 ng

RT: 17.92 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BG030568.D

Acq: 29 Oct 2017 19:23

Instrument :

BNA_G

ClientSampleId :

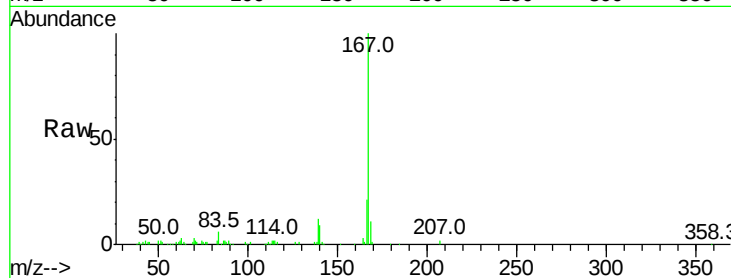
Tot Ion:167 Resp: 68437

Ion Ratio Lower Upper

167 100

166 21.2 18.2 27.4

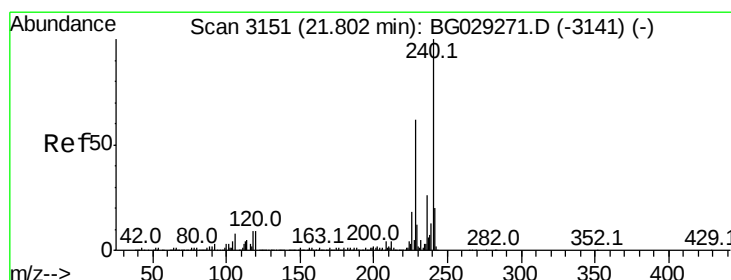
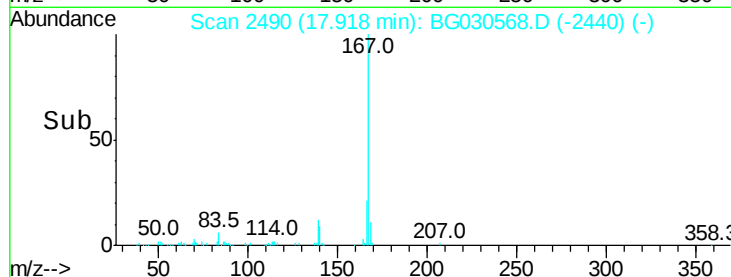
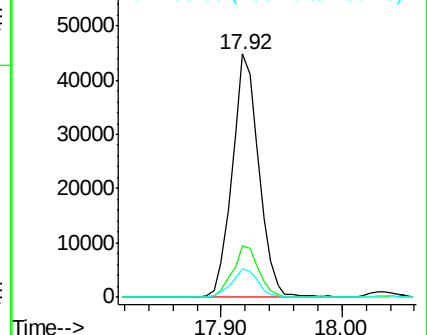
139 11.6 9.4 14.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG030568.D

Acq: 29 Oct 2017 19:23

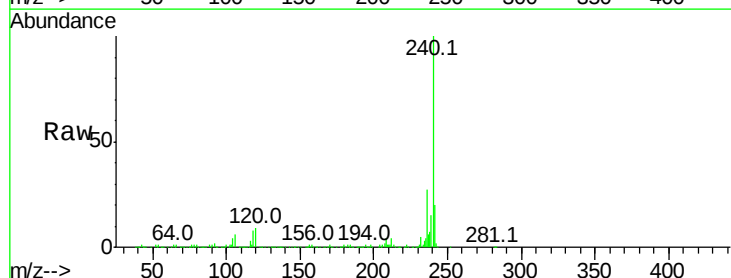
Tgt Ion:240 Resp: 558099

Ion Ratio Lower Upper

240 100

120 8.9 6.8 10.2

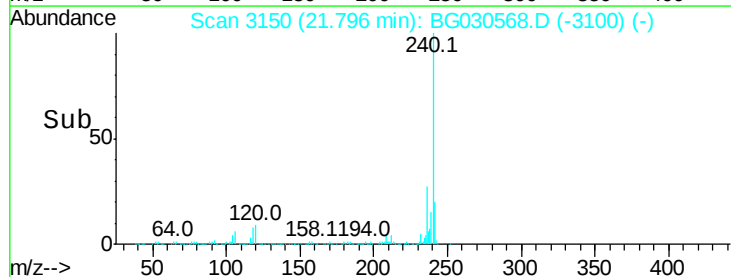
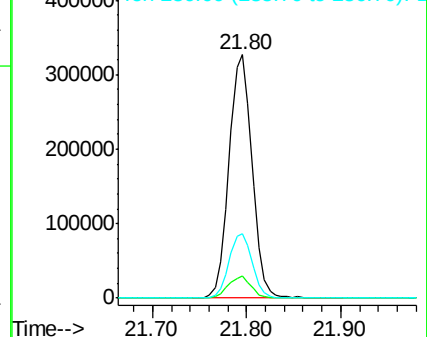
236 26.6 20.9 31.3

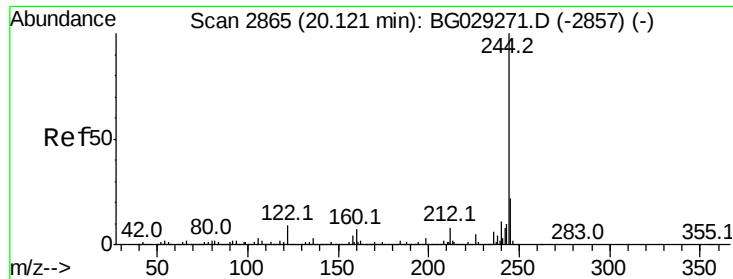


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 95.984 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG030568.D

Acq: 29 Oct 2017 19:23

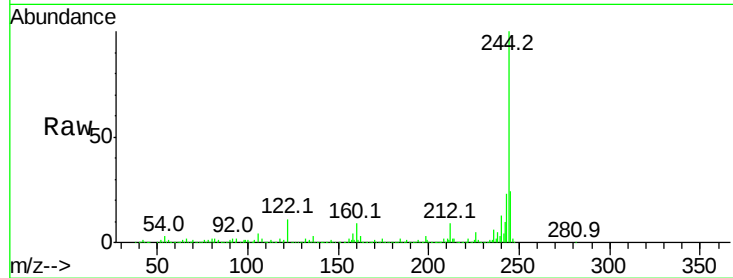
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2354734

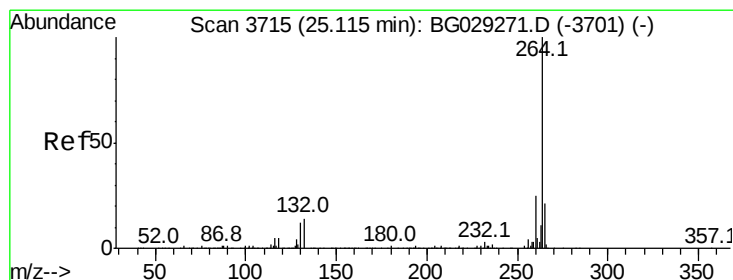
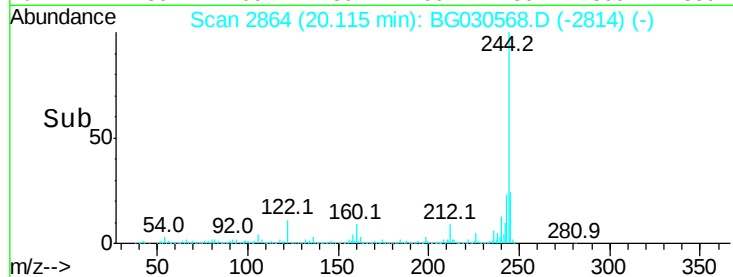
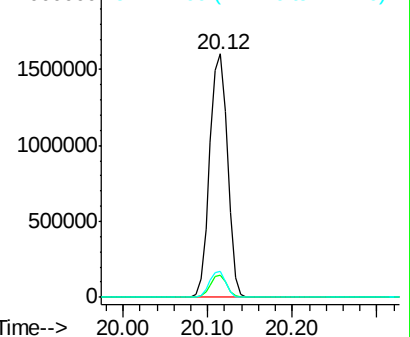
Ion	Ratio	Lower	Upper
244	100		
212	9.0	5.8	8.8#
122	10.6	7.0	10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3714

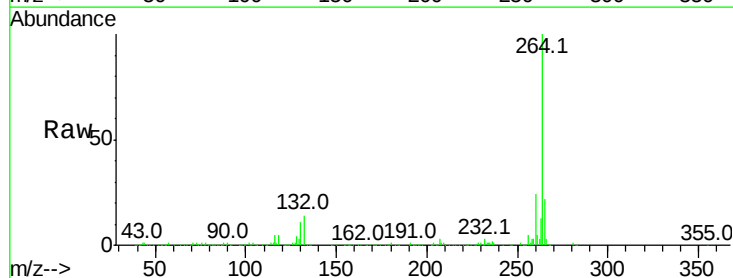
Delta R.T. -0.01 min

Lab File: BG030568.D

Acq: 29 Oct 2017 19:23

Tgt Ion:264 Resp: 549345

Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.3	17.7	26.5



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

