

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092517\
 Data File : BG028920.D
 Acq On : 25 Sep 2017 23:13
 Operator : SJ/JU
 Sample : I5380-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 26 01:28:54 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

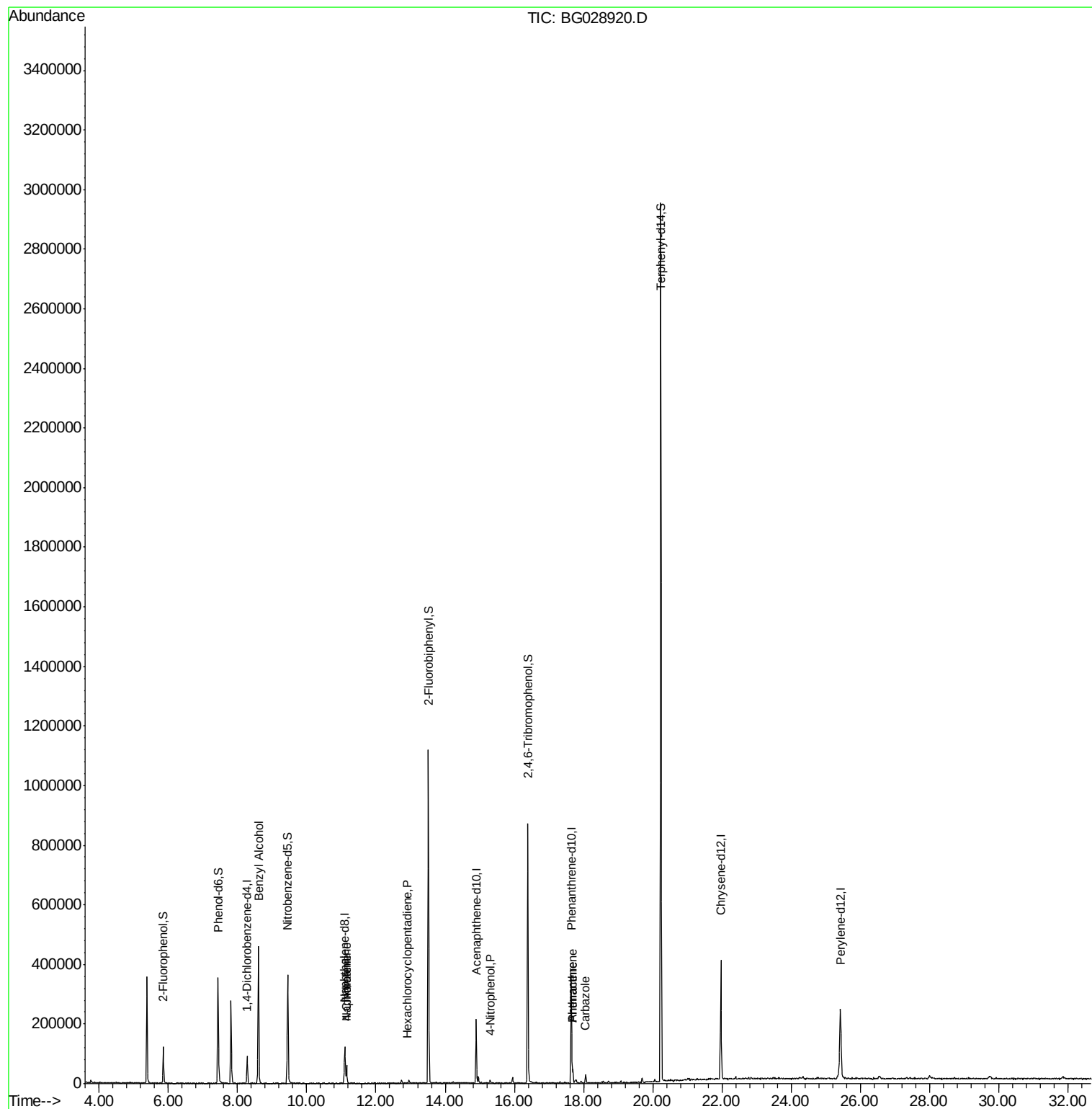
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	26640	20.00	ng	-0.05
21) Naphthalene-d8	11.10	136	106859	20.00	ng	-0.05
38) Acenaphthene-d10	14.90	164	77582	20.00	ng	-0.05
63) Phenanthrene-d10	17.65	188	233564	20.00	ng	-0.05
75) Chrysene-d12	21.97	240	286162	20.00	ng	-0.06
86) Perylene-d12	25.42	264	291624	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	53650	33.23	ng	-0.05
7) Phenol-d6	7.44	99	230296	94.74	ng	-0.05
23) Nitrobenzene-d5	9.45	82	238387	106.72	ng	-0.05
41) 2,4,6-Tribromophenol	16.39	330	198284	154.53	ng	-0.05
44) 2-Fluorobiphenyl	13.52	172	611676	105.13	ng	-0.05
78) Terphenyl-d14	20.23	244	1493535	111.30	ng	-0.05
Target Compounds						Qvalue
15) Benzyl Alcohol	8.61	79	4445	2.34	ng	# 45
31) Naphthalene	11.15	128	50274	9.01	ng	98
33) 4-Chloroaniline	11.15	127	6671	2.85	ng	# 33
40) Hexachlorocyclopentadiene	12.91	237	58	7.65	ng	# 29
55) 4-Nitrophenol	15.30	139	3656	3.90	ng	# 1
70) Phenanthrene	17.69	178	35031	2.93	ng	96
71) Anthracene	17.69	178	35031	2.90	ng	98
72) Carbazole	18.06	167	23624	2.17	ng	92

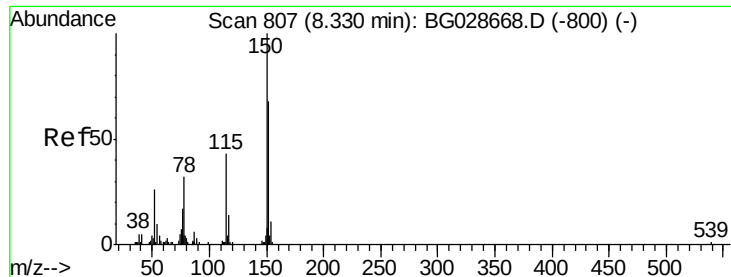
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 26 01:28:54 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.28 min Scan# 798

Delta R.T. -0.05 min

Lab File: BG028920.D

Acq: 25 Sep 2017 23:13

Instrument :

BNA_G

ClientSampled :

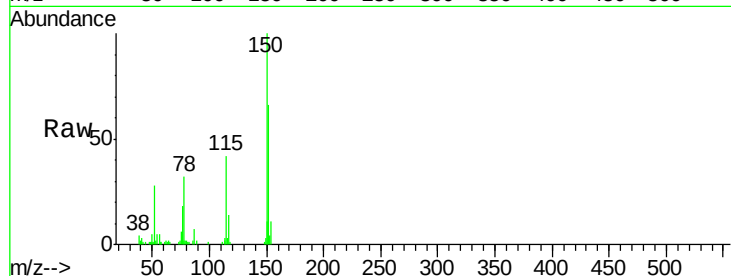
Tot Ion:152 Resp: 26640

Ion Ratio Lower Upper

152 100

150 150.9 114.0 171.0

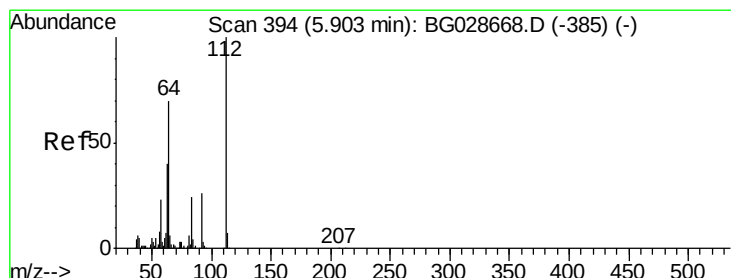
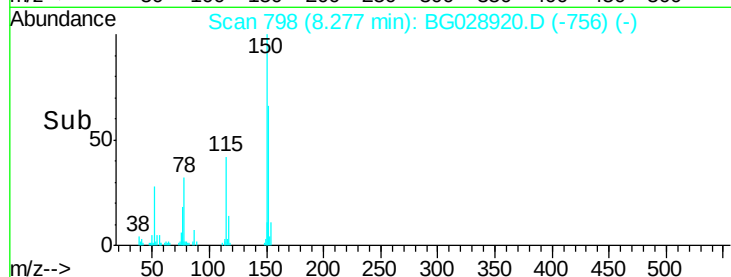
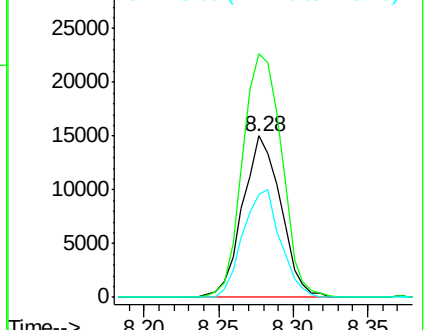
115 63.6 48.1 72.1



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: 33.23 ng

RT: 5.85 min Scan# 385

Delta R.T. -0.05 min

Lab File: BG028920.D

Acq: 25 Sep 2017 23:13

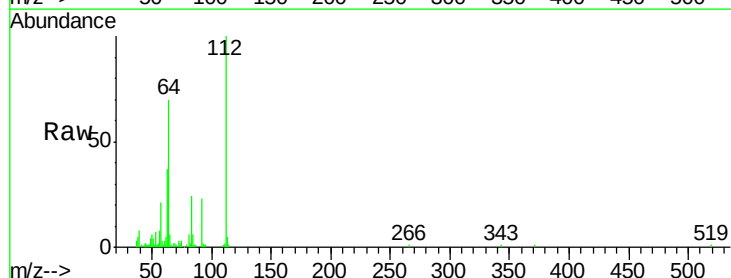
Tgt Ion:112 Resp: 53650

Ion Ratio Lower Upper

112 100

64 70.0 61.8 92.6

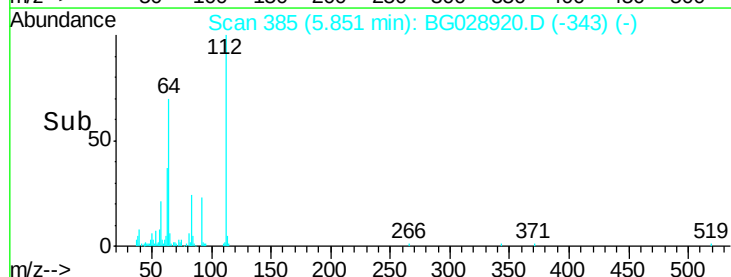
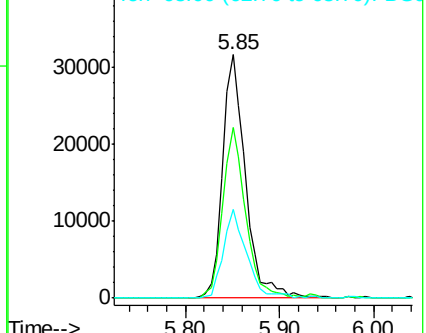
63 36.6 37.2 55.8#

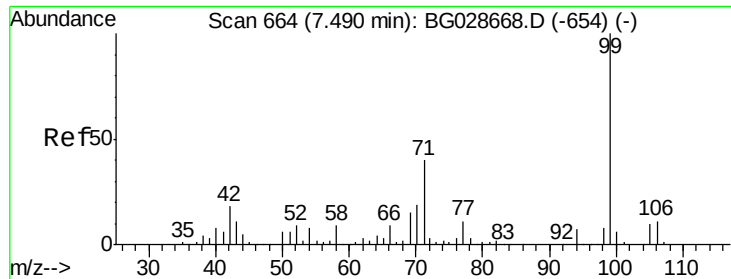


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 94.74 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028920.D

Acq: 25 Sep 2017 23:13

Instrument :

BNA_G

ClientSampled :

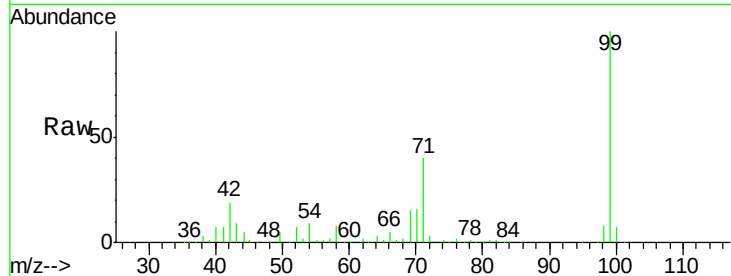
Tot Ion: 99 Resp: 230296

Ion Ratio Lower Upper

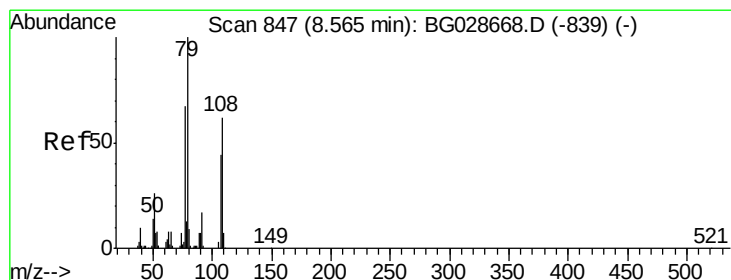
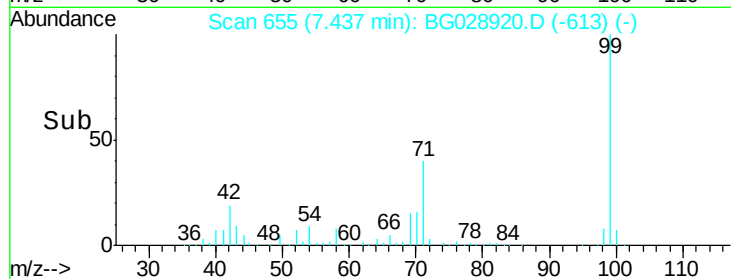
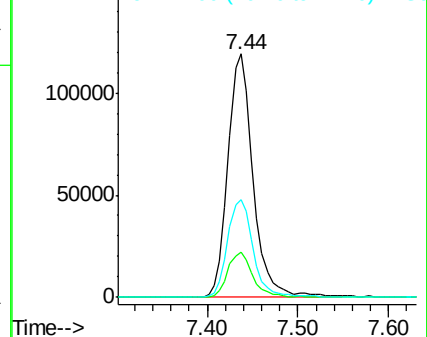
99 100

42 18.5 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



#15

Benzyl Alcohol

Concen: 2.34 ng

RT: 8.61 min Scan# 854

Delta R.T. 0.04 min

Lab File: BG028920.D

Acq: 25 Sep 2017 23:13

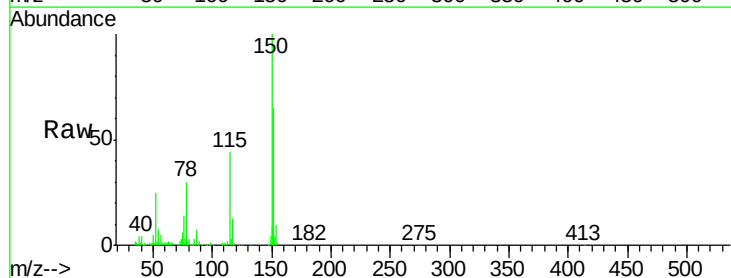
Tgt Ion: 79 Resp: 4445

Ion Ratio Lower Upper

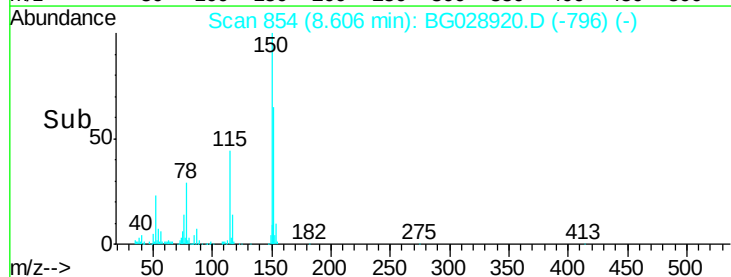
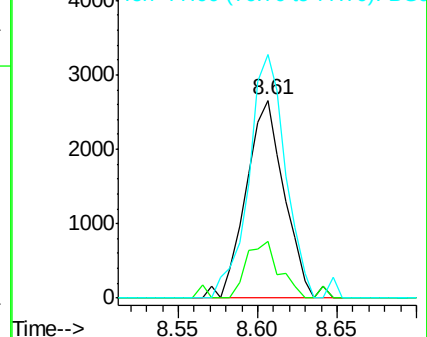
79 100

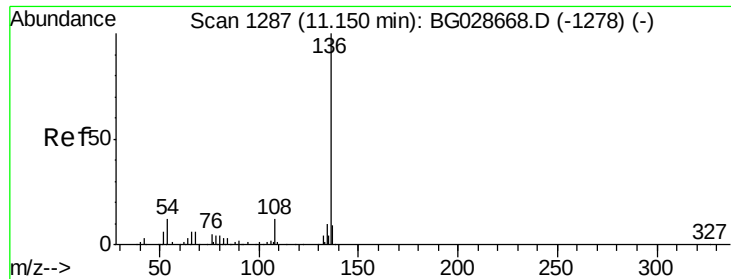
108 29.0 45.5 68.3#

77 123.1 54.3 81.5#



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

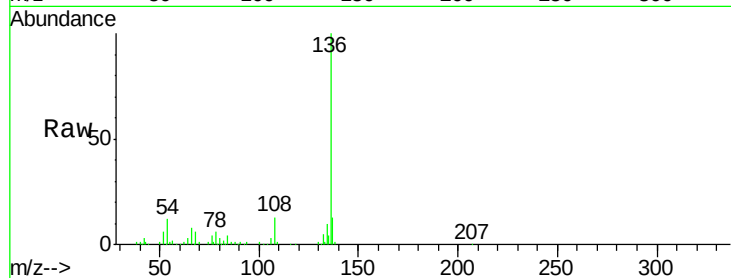




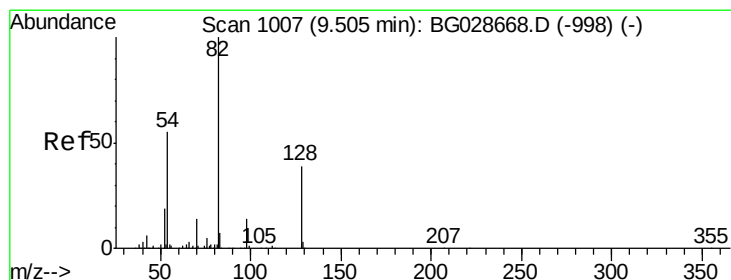
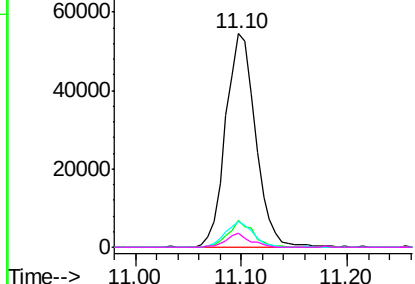
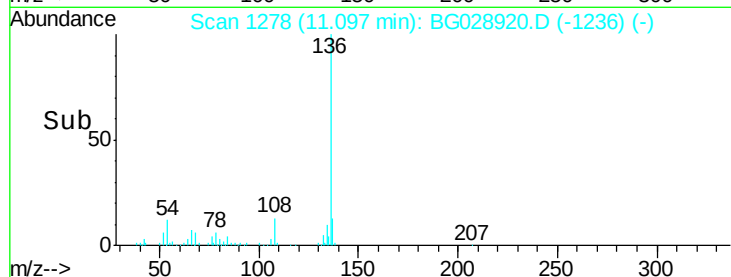
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.10 min Scan# 1278
Delta R.T. -0.05 min
Lab File: BG028920.D
Acq: 25 Sep 2017 23:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	106859
Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.9	13.3
54	12.0	9.3	13.9
68	6.4	5.1	7.7

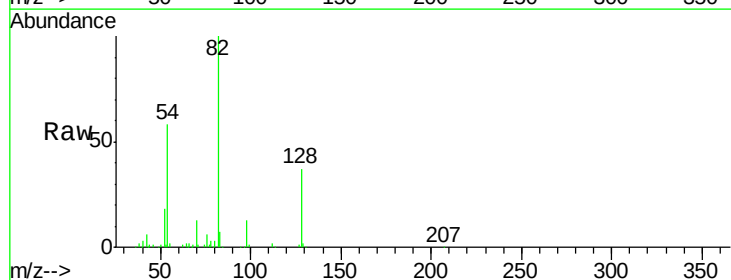


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

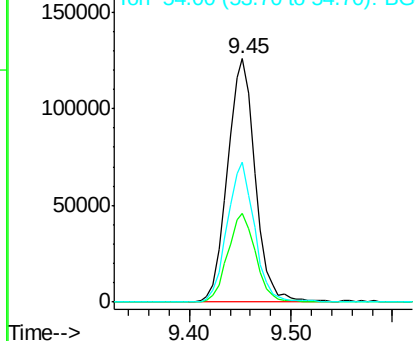
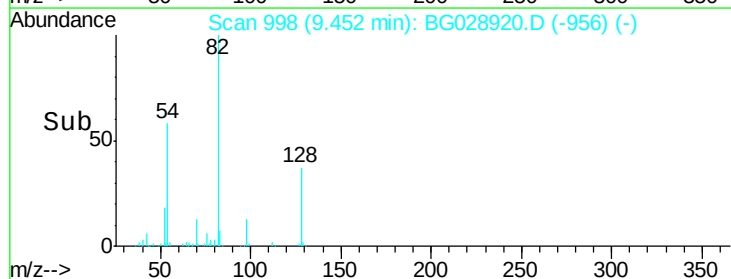


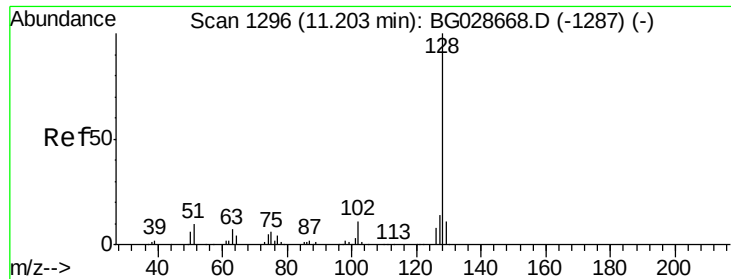
#23
Nitrobenzene-d5
Concen: 106.72 ng
RT: 9.45 min Scan# 998
Delta R.T. -0.05 min
Lab File: BG028920.D
Acq: 25 Sep 2017 23:13

Tgt Ion:	82	Resp:	238387
Ion	Ratio	Lower	Upper
82	100		
128	36.5	26.4	39.6
54	57.7	49.4	74.2



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

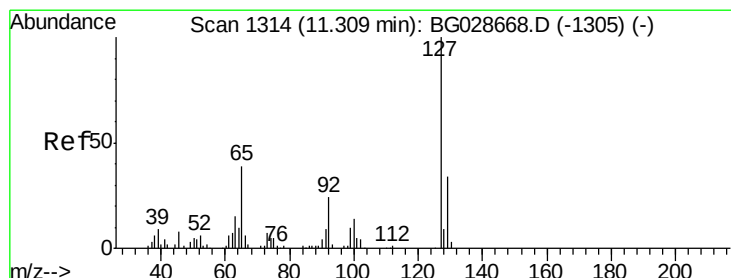
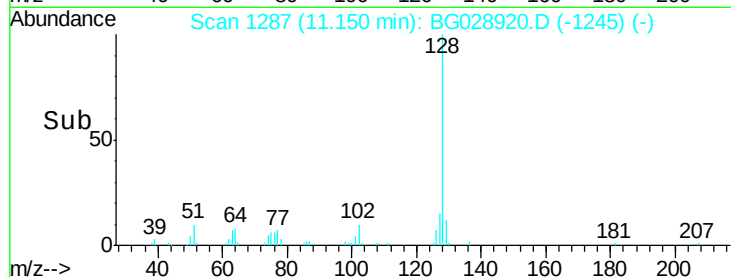
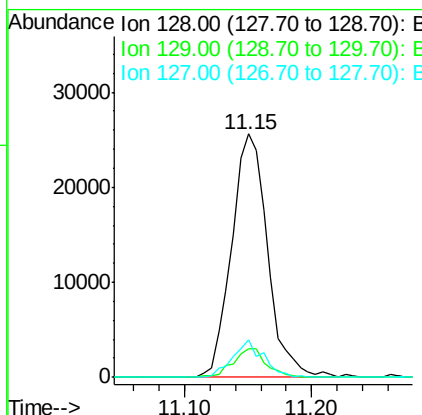
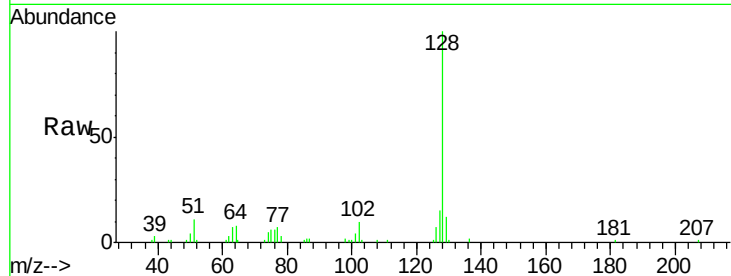




#31
Naphthalene
Concen: 9.01 ng
RT: 11.15 min Scan# 1287
Delta R.T. -0.05 min
Lab File: BG028920.D
Acq: 25 Sep 2017 23:13

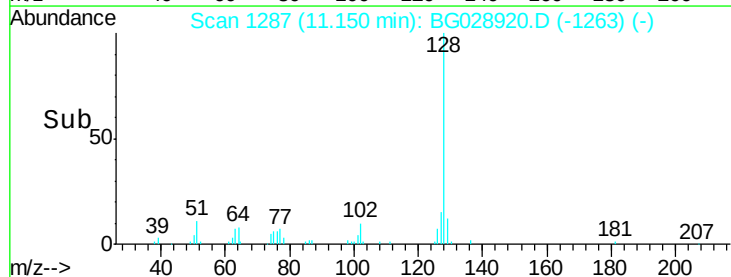
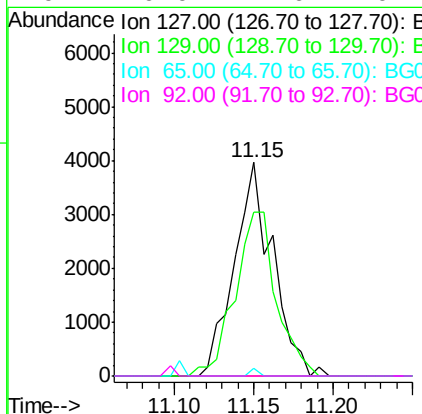
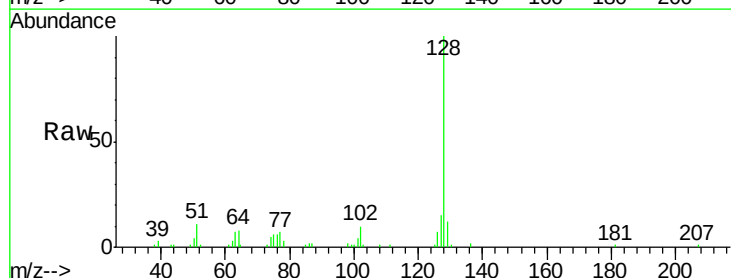
Instrument :
BNA_G
ClientSampleId :

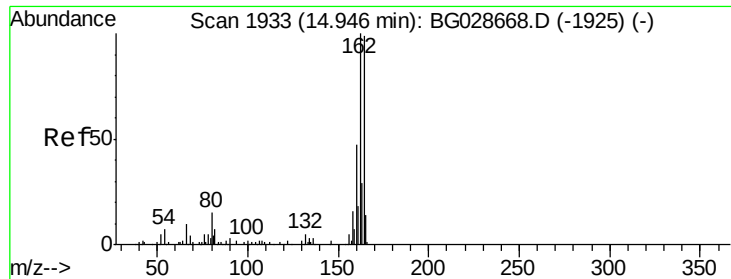
Tot Ion:128 Resp: 50274
Ion Ratio Lower Upper
128 100
129 11.8 9.3 13.9
127 15.5 11.4 17.0



#33
4-Chloroaniline
Concen: 2.85 ng
RT: 11.15 min Scan# 1287
Delta R.T. -0.16 min
Lab File: BG028920.D
Acq: 25 Sep 2017 23:13

Tgt Ion:127 Resp: 6671
Ion Ratio Lower Upper
127 100
129 76.4 23.6 35.4#
65 3.8 37.7 56.5#
92 0.0 17.6 26.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.90 min Scan# 1925

Delta R.T. -0.05 min

Lab File: BG028920.D

Acq: 25 Sep 2017 23:13

Instrument :

BNA_G

ClientSampleId :

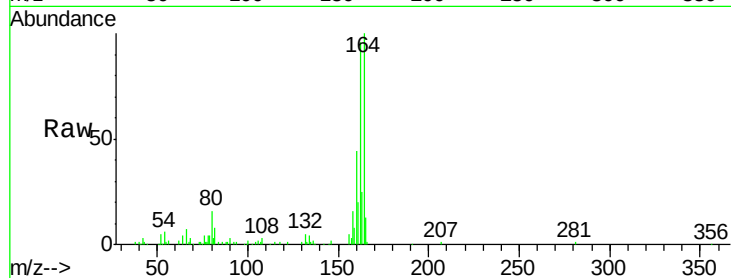
Tot Ion:164 Resp: 77582

Ion Ratio Lower Upper

164 100

162 96.0 85.1 127.7

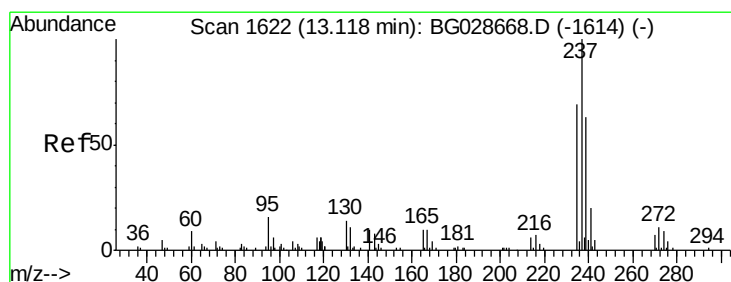
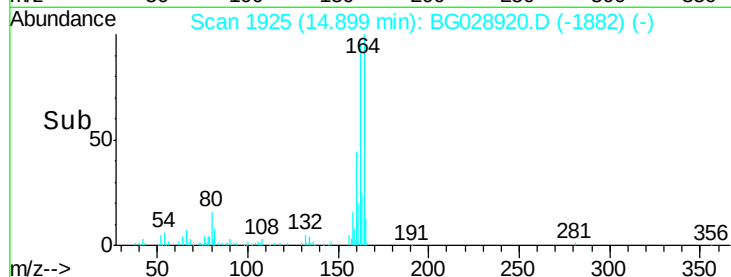
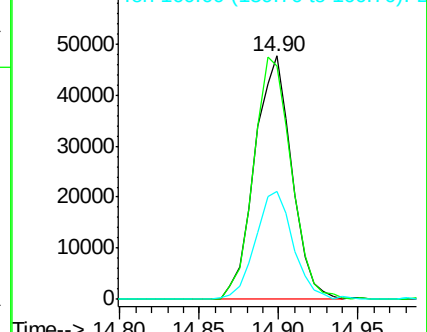
160 44.2 34.7 52.1



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



#40

Hexachlorocyclopentadiene

Concen: 7.65 ng

RT: 12.91 min Scan# 1586

Delta R.T. -0.21 min

Lab File: BG028920.D

Acq: 25 Sep 2017 23:13

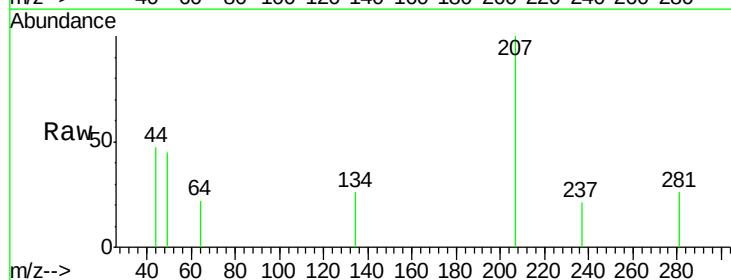
Tgt Ion:237 Resp: 58

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

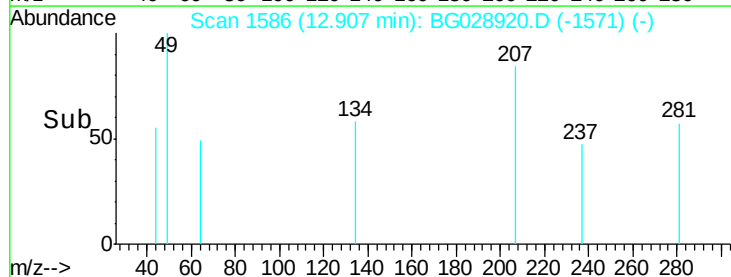
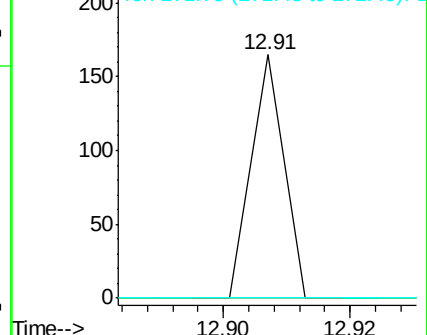
272 0.0 0.0 32.0

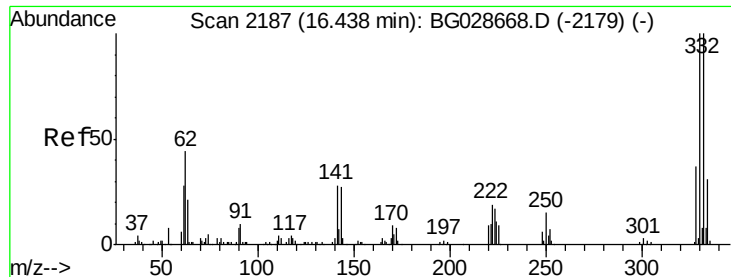


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

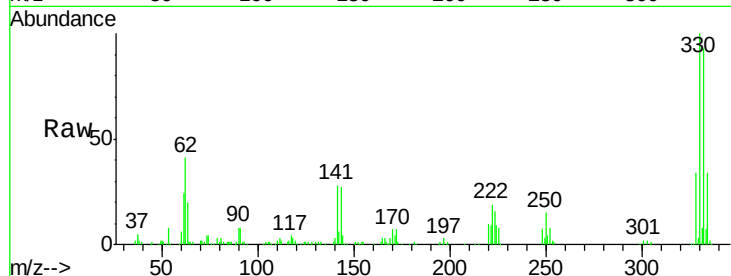




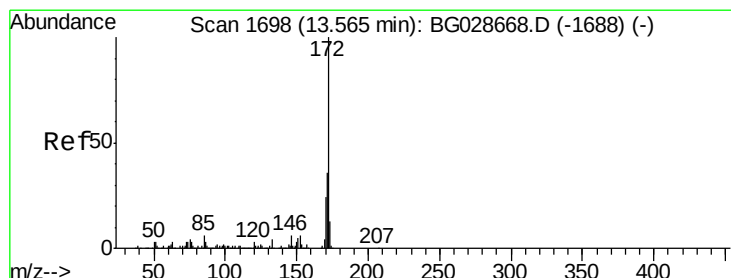
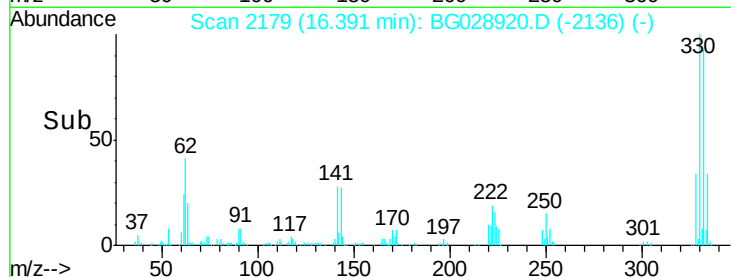
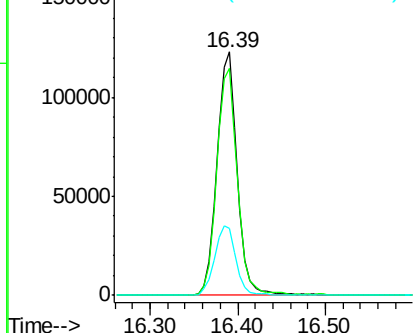
#41
 2,4,6-Tribromophenol
 Concen: 154.53 ng
 RT: 16.39 min Scan# 2179
 Delta R.T. -0.05 min
 Lab File: BG028920.D
 Acq: 25 Sep 2017 23:13

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.3	115.9
141	30.1	32.1	48.1

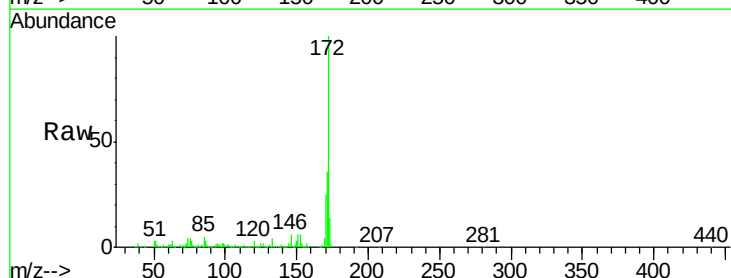


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

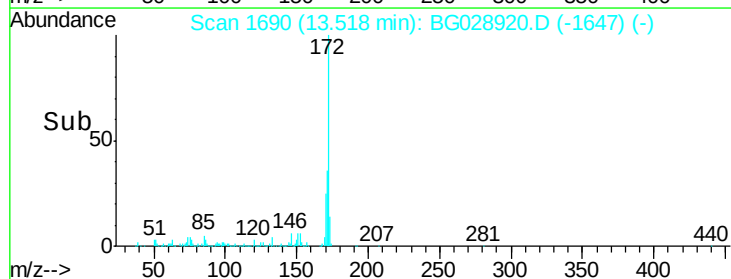
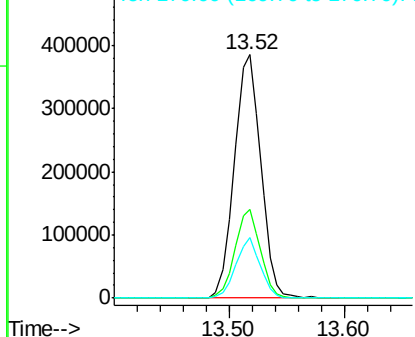


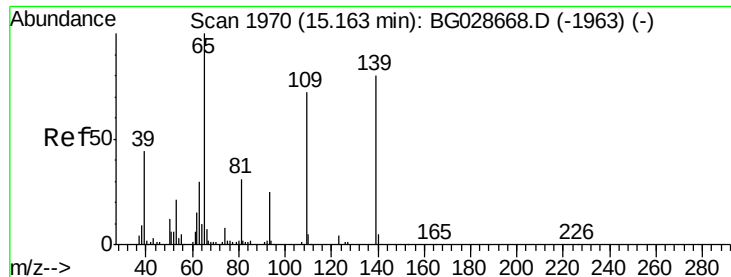
#44
 2-Fluorobiphenyl
 Concen: 105.13 ng
 RT: 13.52 min Scan# 1690
 Delta R.T. -0.05 min
 Lab File: BG028920.D
 Acq: 25 Sep 2017 23:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	32.2	48.2
170	25.0	21.8	32.6



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

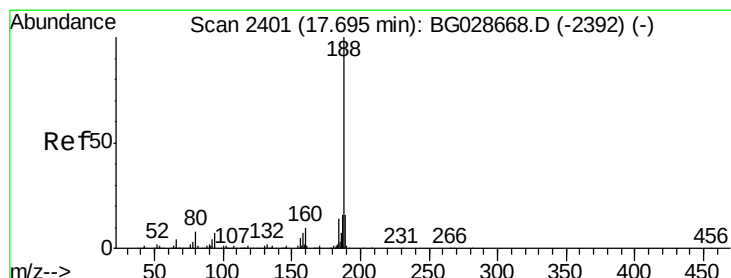
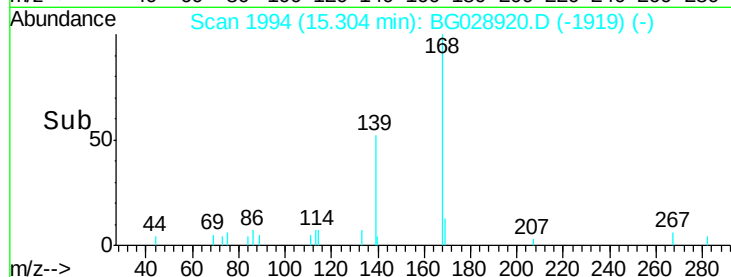
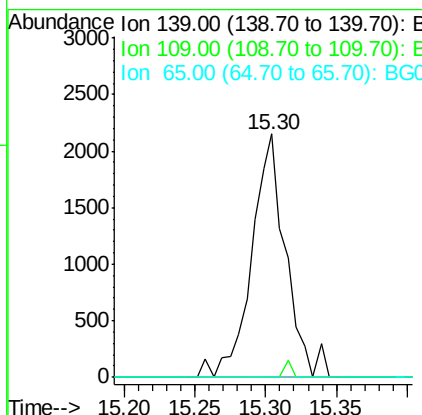
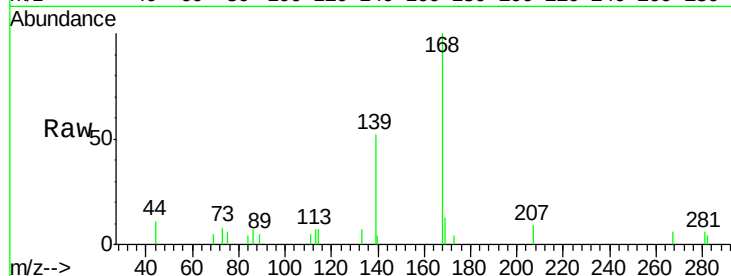




#55
4-Nitrophenol
Concen: 3.90 ng
RT: 15.30 min Scan# 1994
Delta R.T. 0.14 min
Lab File: BG028920.D
Acq: 25 Sep 2017 23:13

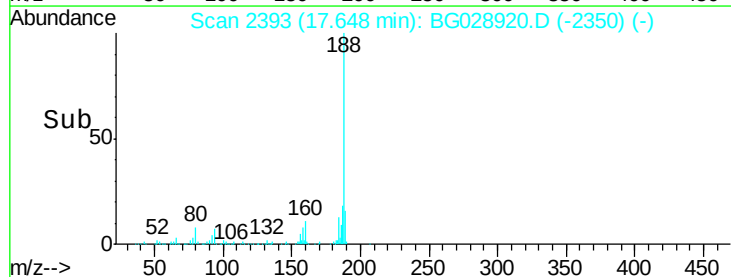
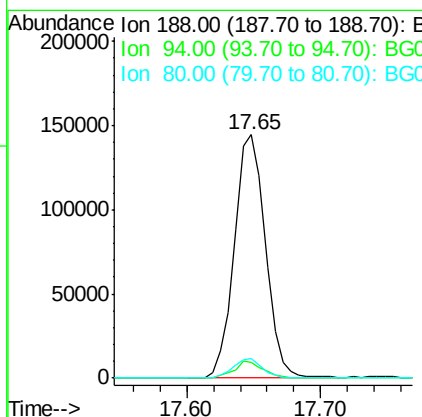
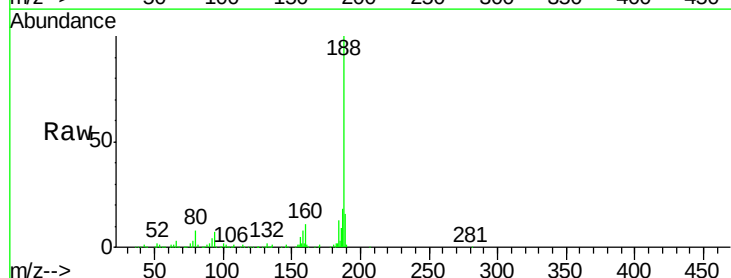
Instrument :
BNA_G
ClientSampled :

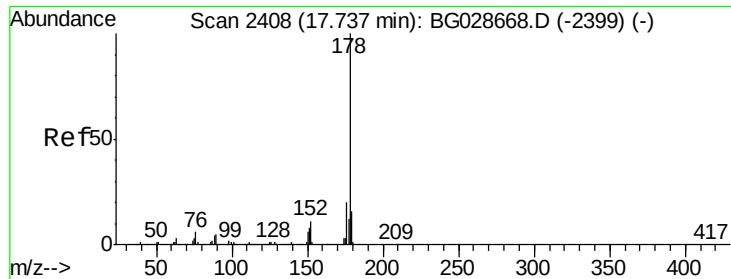
Tot Ion:139 Resp: 3656
Ion Ratio Lower Upper
139 100
109 0.0 101.2 141.2#
65 0.0 135.3 175.3#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.65 min Scan# 2393
Delta R.T. -0.05 min
Lab File: BG028920.D
Acq: 25 Sep 2017 23:13

Tgt Ion:188 Resp: 233564
Ion Ratio Lower Upper
188 100
94 6.6 5.8 8.8
80 7.9 7.5 11.3

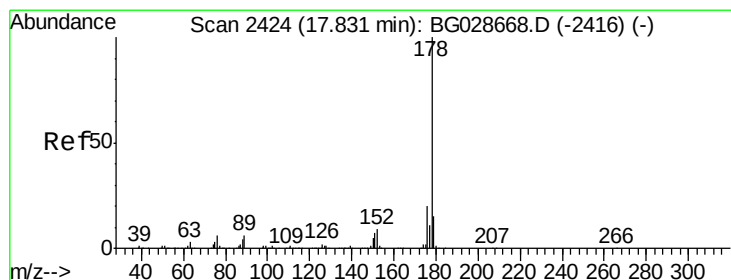
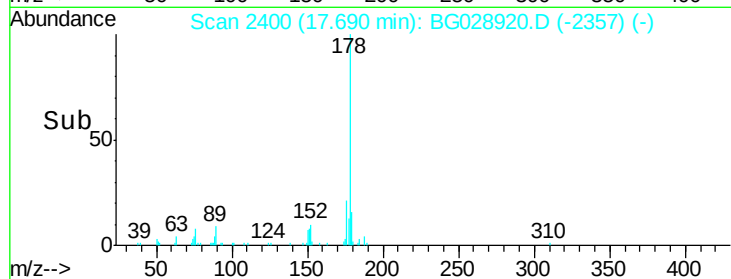
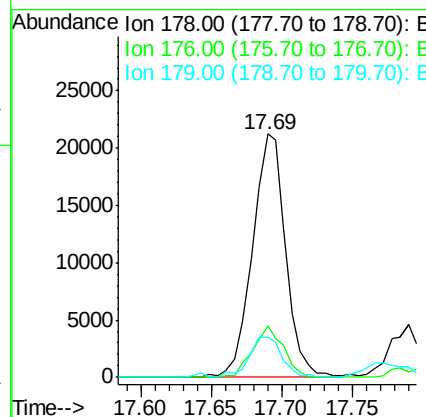
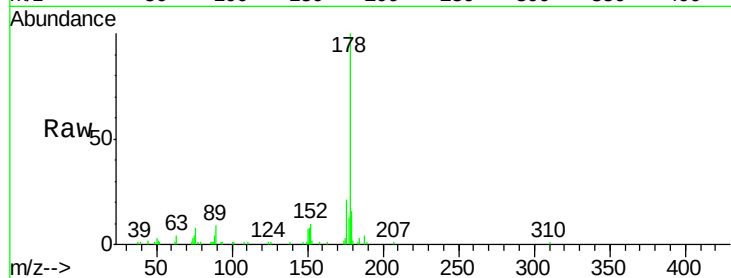




#70
Phenanthrene
Concen: 2.93 ng
RT: 17.69 min Scan# 2400
Delta R.T. -0.05 min
Lab File: BG028920.D
Acq: 25 Sep 2017 23:13

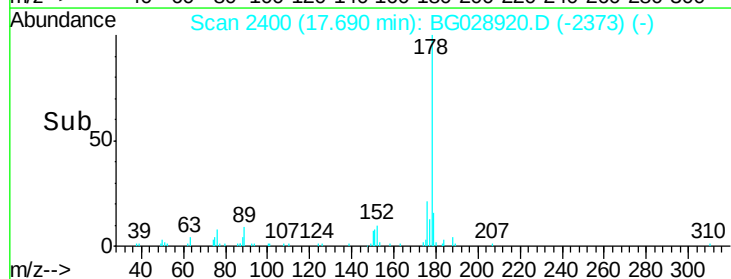
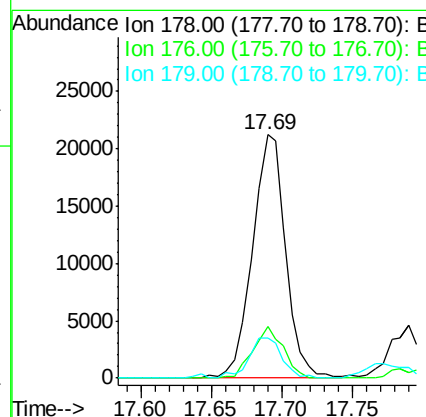
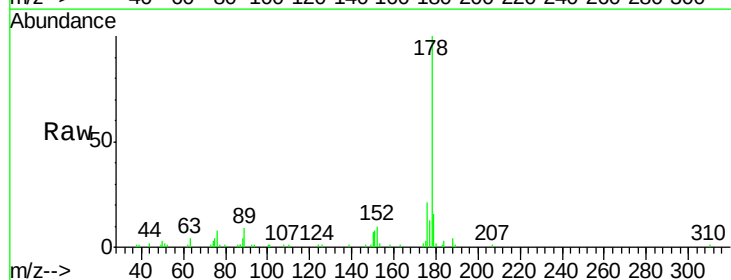
Instrument :
BNA_G
ClientSampled :

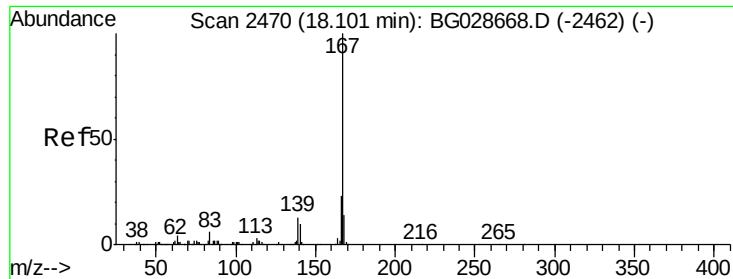
Tot Ion:178 Resp: 35031
Ion Ratio Lower Upper
178 100
176 21.1 17.7 26.5
179 16.3 15.0 22.6



#71
Anthracene
Concen: 2.90 ng
RT: 17.69 min Scan# 2400
Delta R.T. -0.14 min
Lab File: BG028920.D
Acq: 25 Sep 2017 23:13

Tgt Ion:178 Resp: 35031
Ion Ratio Lower Upper
178 100
176 21.1 16.4 24.6
179 16.3 13.8 20.8





#72

Carbazole

Concen: 2.17 ng

RT: 18.06 min Scan# 2463

Delta R.T. -0.04 min

Lab File: BG028920.D

Acq: 25 Sep 2017 23:13

Instrument :

BNA_G

ClientSampleId :

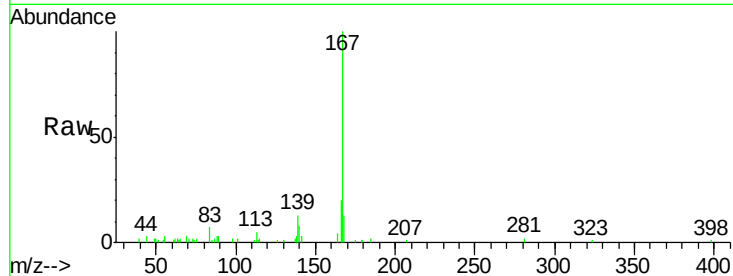
Tot Ion:167 Resp: 23624

Ion Ratio Lower Upper

167 100

166 20.4 20.2 30.2

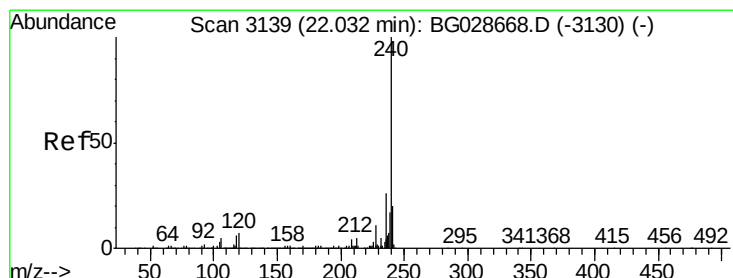
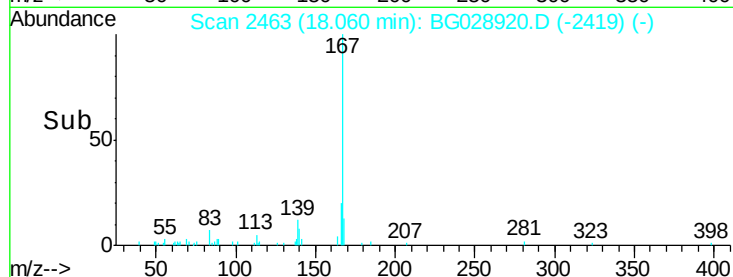
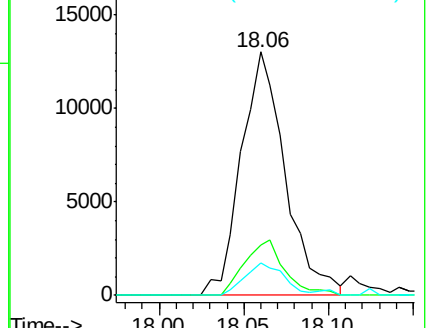
139 13.2 12.8 19.2



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: 20.00 ng

RT: 21.97 min Scan# 3128

Delta R.T. -0.06 min

Lab File: BG028920.D

Acq: 25 Sep 2017 23:13

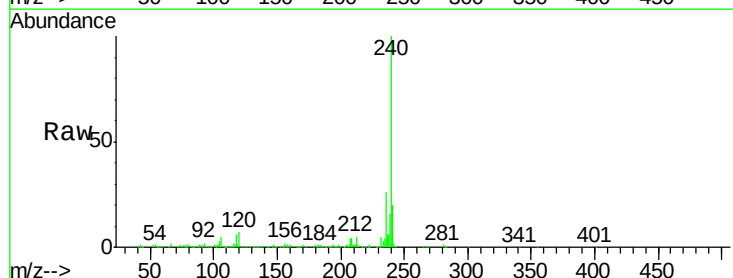
Tgt Ion:240 Resp: 286162

Ion Ratio Lower Upper

240 100

120 6.6 5.7 8.5

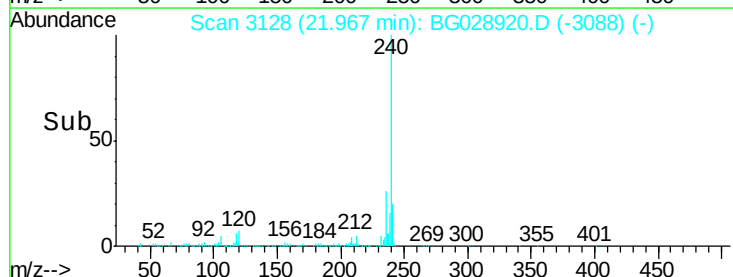
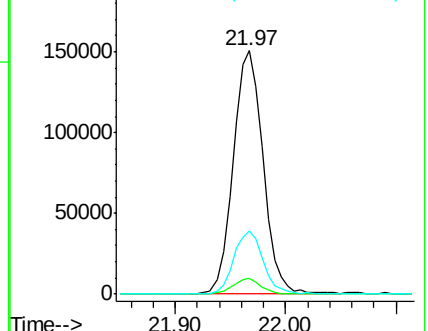
236 25.8 22.2 33.4

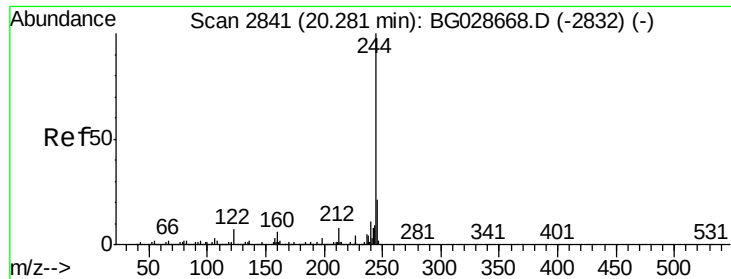


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 111.30 ng

RT: 20.23 min Scan# 2833

Delta R.T. -0.05 min

Lab File: BG028920.D

Acq: 25 Sep 2017 23:13

Instrument :

BNA_G

ClientSampled :

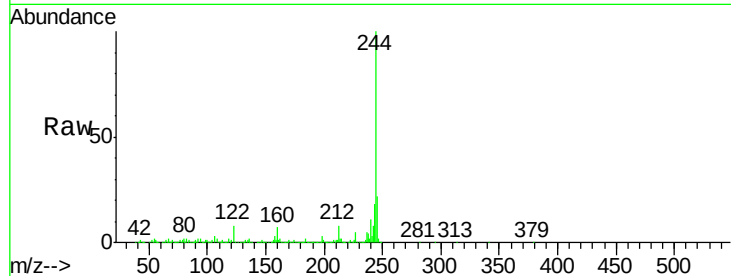
Tot Ion:244 Resp: 1493535

Ion Ratio Lower Upper

244 100

212 7.8 10.0 15.0#

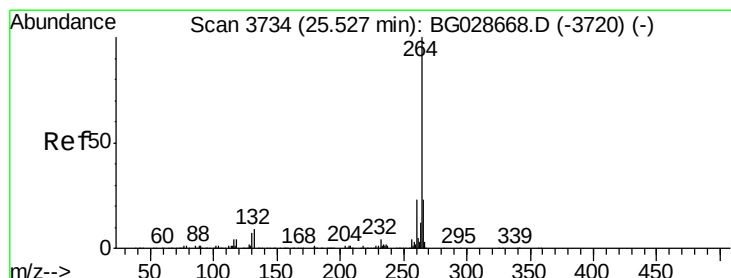
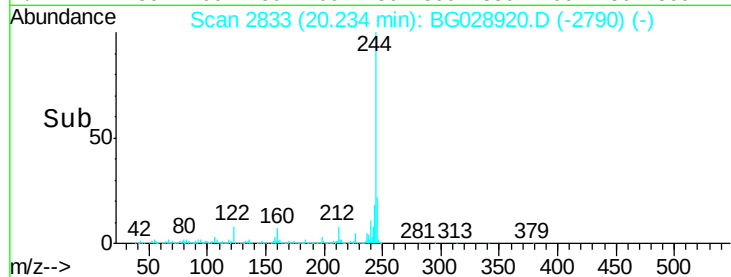
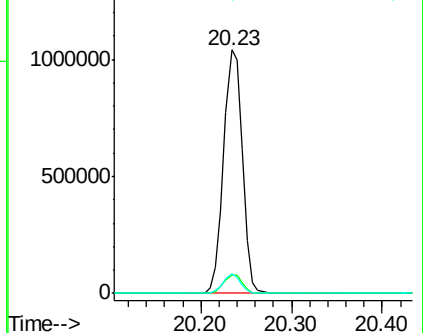
122 8.0 8.6 12.8#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.42 min Scan# 3716

Delta R.T. -0.11 min

Lab File: BG028920.D

Acq: 25 Sep 2017 23:13

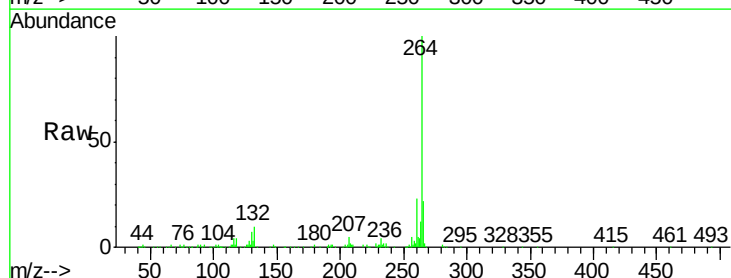
Tgt Ion:264 Resp: 291624

Ion Ratio Lower Upper

264 100

260 23.1 21.8 32.8

265 22.4 18.2 27.4



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

