

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062717\
 Data File : BG027703.D
 Acq On : 27 Jun 2017 19:56
 Operator : SJ/JU
 Sample : I3870-03DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 28 01:10:55 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 21 18:52:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.49	152	12174	20.00	ng	-0.02
21) Naphthalene-d8	11.30	136	59074	20.00	ng	-0.02
38) Acenaphthene-d10	15.07	164	43090	20.00	ng	-0.02
63) Phenanthrene-d10	17.82	188	120459	20.00	ng	-0.02
75) Chrysene-d12	22.19	240	137796	20.00	ng	-0.03
86) Perylene-d12	25.80	264	124099	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.07	112	5586	6.53	ng	-0.02
7) Phenol-d6	7.63	99	5008	3.95	ng	-0.02
23) Nitrobenzene-d5	9.65	82	11269	9.03	ng	-0.02
41) 2,4,6-Tribromophenol	16.56	330	10000	15.57	ng	-0.02
44) 2-Fluorobiphenyl	13.70	172	31179	9.88	ng	-0.02
78) Terphenyl-d14	20.39	244	57534	9.84	ng	-0.02

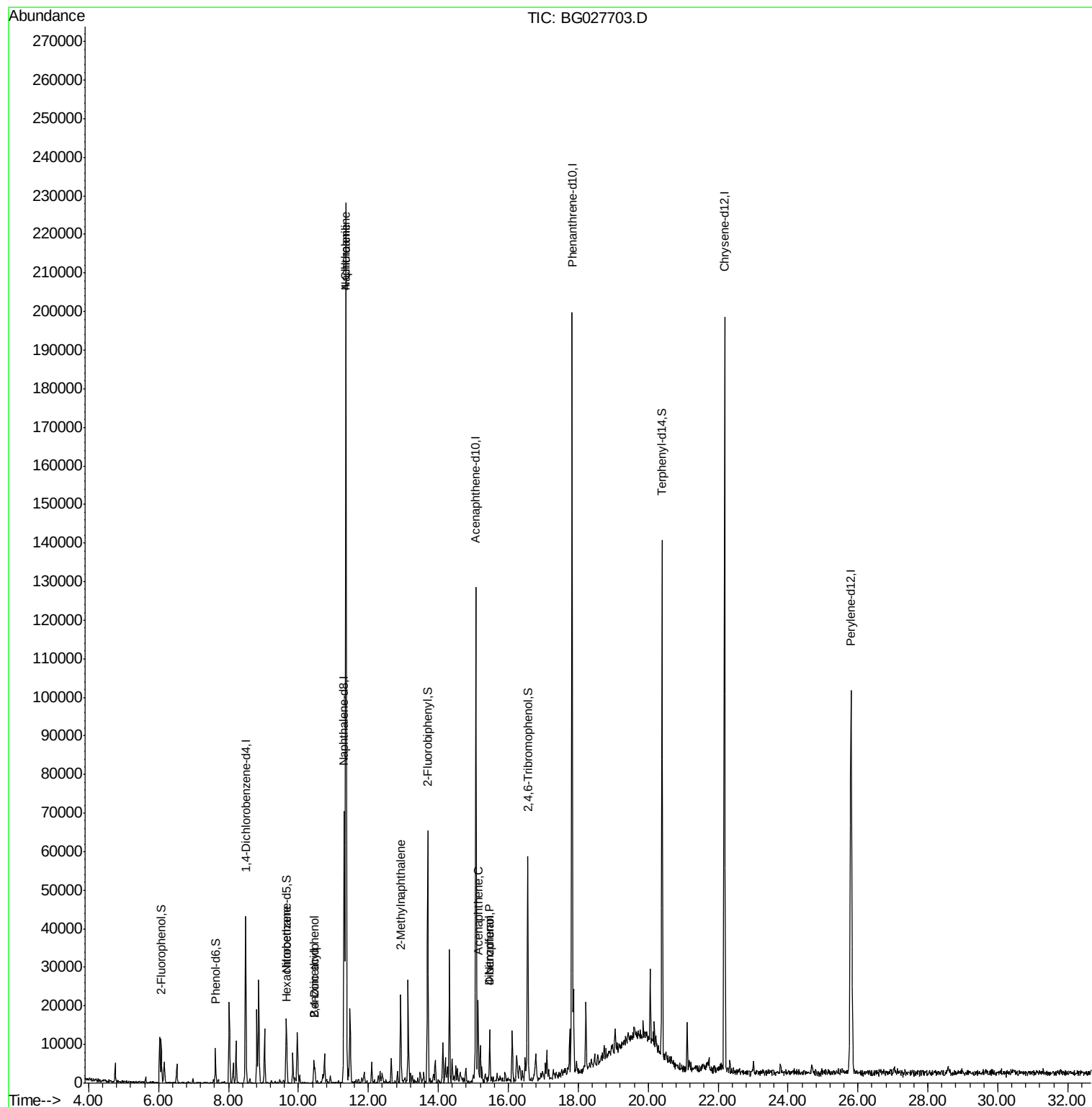
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.67	117	787	2.08	ng	# 1
27) 2,4-Dimethylphenol	10.44	122	3139	3.28	ng	# 80
31) Naphthalene	11.35	128	190754	59.74	ng	99
32) Benzoic acid	10.44	122	3139	11.73	ng	# 6
33) 4-Chloroaniline	11.36	127	26833	19.82	ng	# 33
37) 2-Methylnaphthalene	12.93	142	10568	4.55	ng	95
51) Acenaphthene	15.14	154	8206	2.52	ng	97
54) Dibenzofuran	15.46	168	8993	2.12	ng	# 91
55) 4-Nitrophenol	15.47	139	3690	5.10	ng	# 1

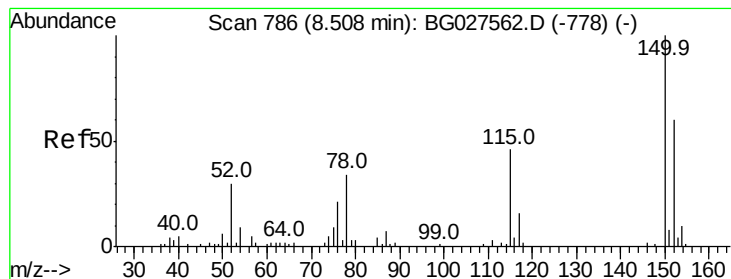
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062717\
Data File : BG027703.D
Acq On : 27 Jun 2017 19:56
Operator : SJ/JU
Sample : I3870-03DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jun 28 01:10:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 18:52:15 2017
Response via : Initial Calibration



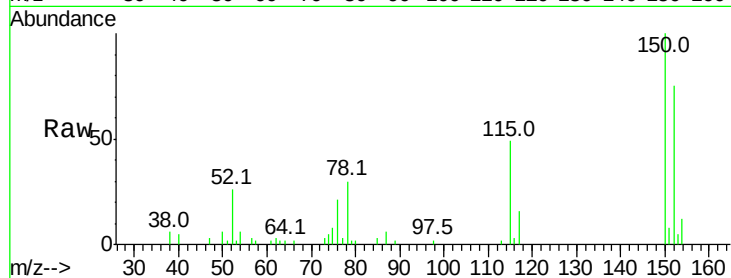


#1

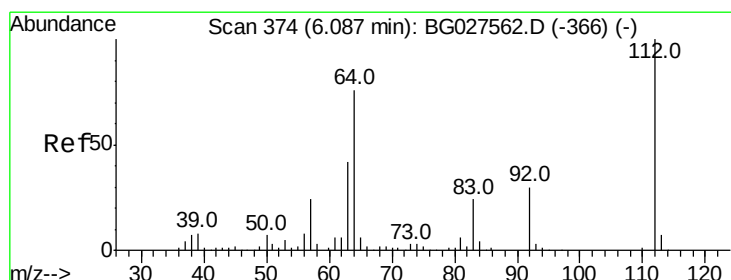
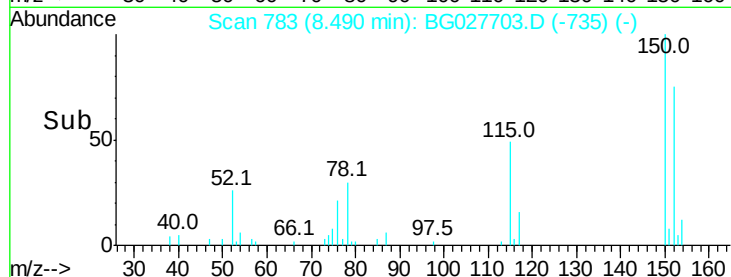
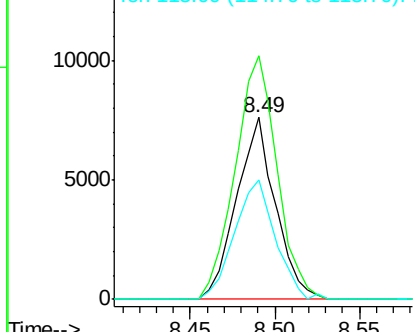
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.49 min Scan# 783
Delta R.T. -0.02 min
Lab File: BG027703.D
Acq: 27 Jun 2017 19:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 12174
Ion Ratio Lower Upper
152 100
150 133.9 114.0 171.0
115 65.6 48.1 72.1



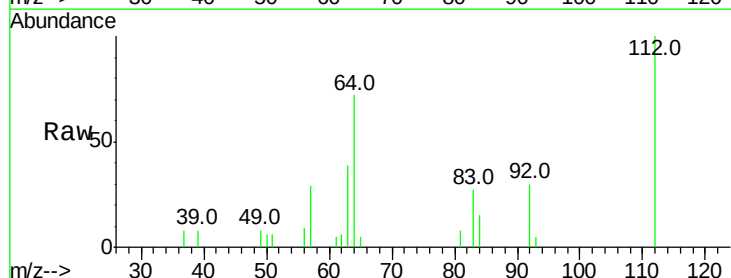
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



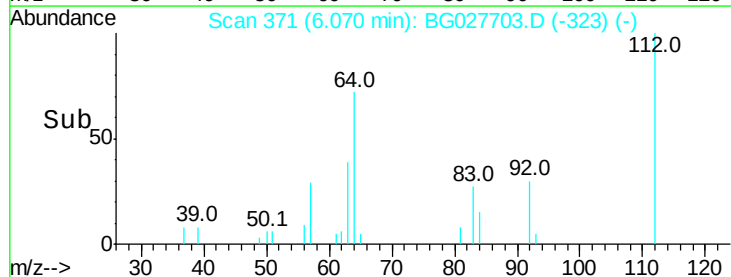
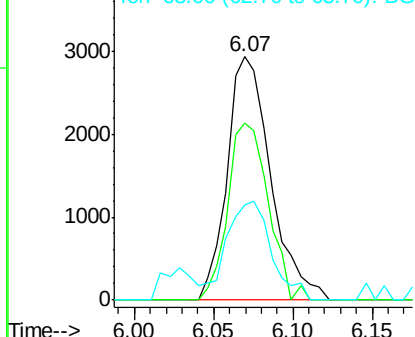
#5

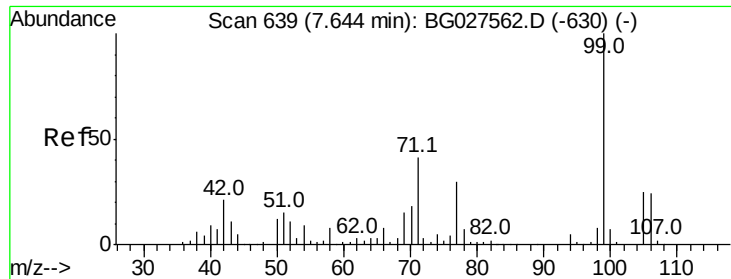
2-Fluorophenol
Concen: 6.53 ng
RT: 6.07 min Scan# 371
Delta R.T. -0.02 min
Lab File: BG027703.D
Acq: 27 Jun 2017 19:56

Tgt Ion:112 Resp: 5586
Ion Ratio Lower Upper
112 100
64 72.5 61.8 92.6
63 39.0 37.2 55.8



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: 3.95 ng

RT: 7.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

Instrument :

BNA_G

ClientSampleId :

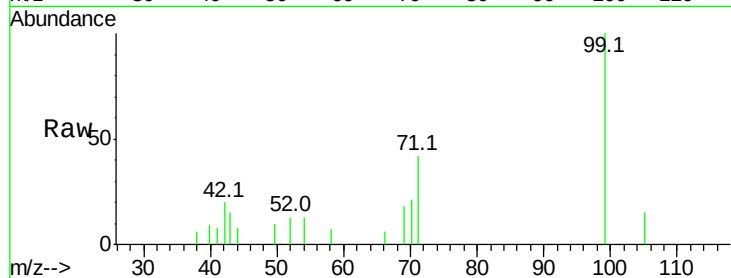
Tot Ion: 99 Resp: 5008

Ion Ratio Lower Upper

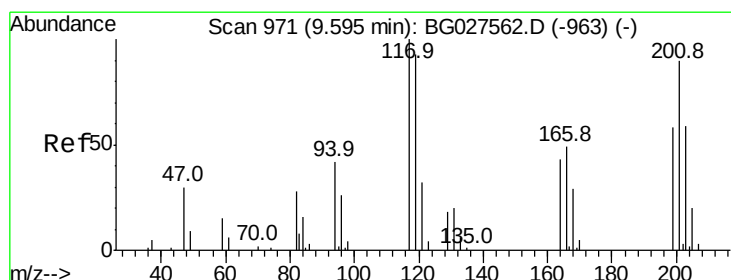
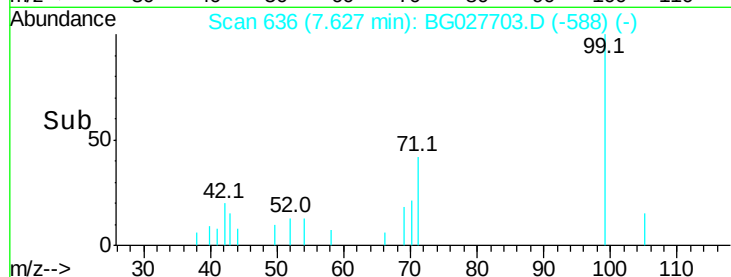
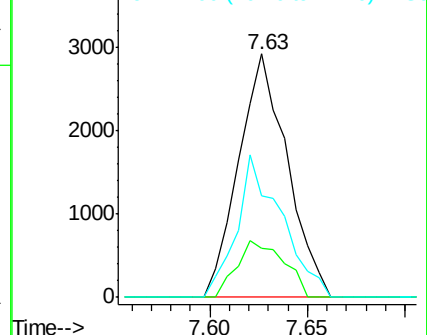
99 100

42 19.9 20.5 30.7#

71 41.9 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



#18

Hexachloroethane

Concen: 2.08 ng

RT: 9.67 min Scan# 984

Delta R.T. 0.08 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

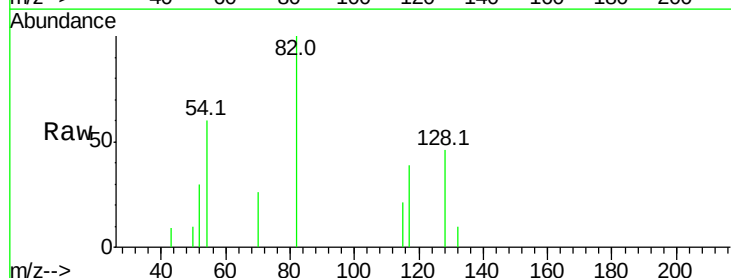
Tgt Ion: 117 Resp: 787

Ion Ratio Lower Upper

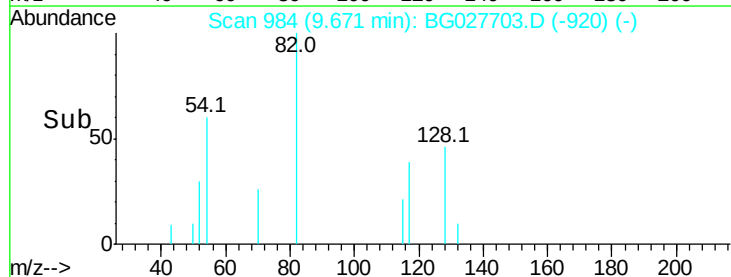
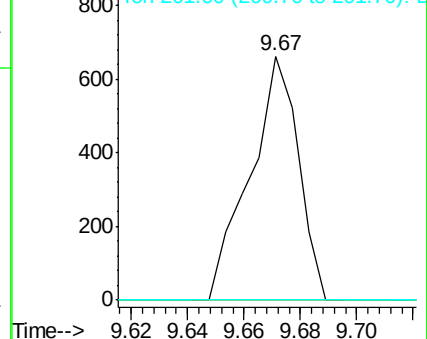
117 100

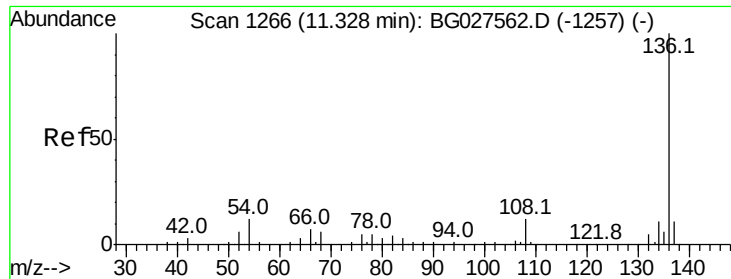
119 0.0 69.8 104.6#

201 0.0 95.4 143.0#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

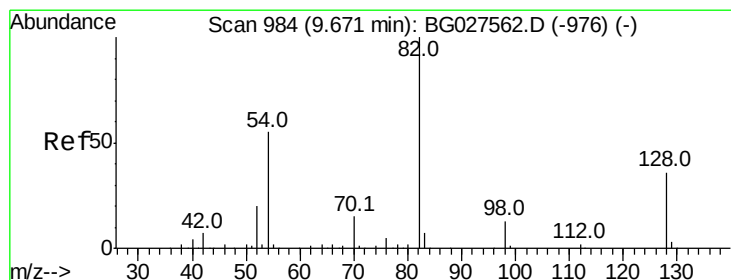
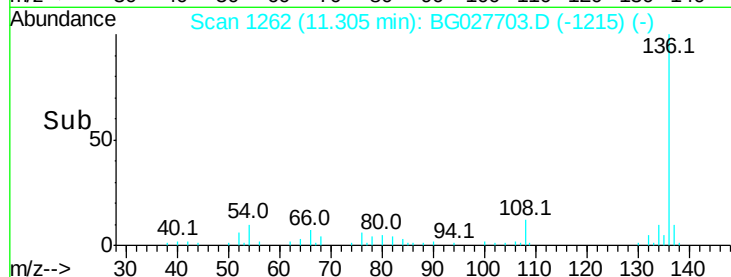
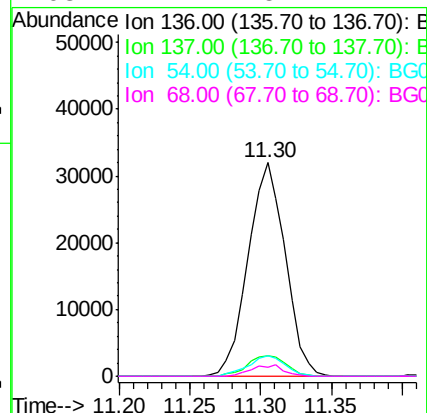
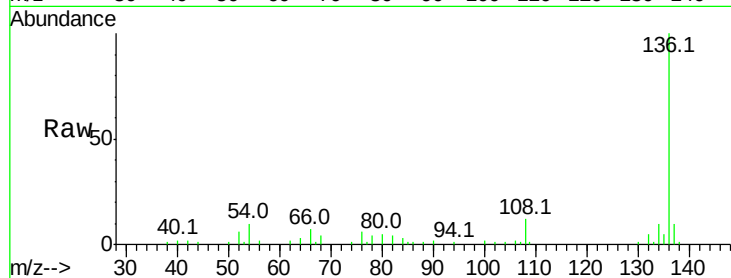




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.30 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BG027703.D
Acq: 27 Jun 2017 19:56

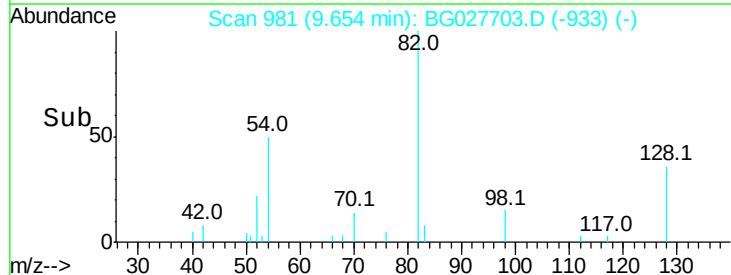
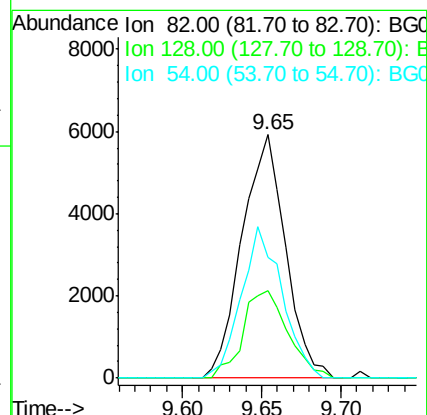
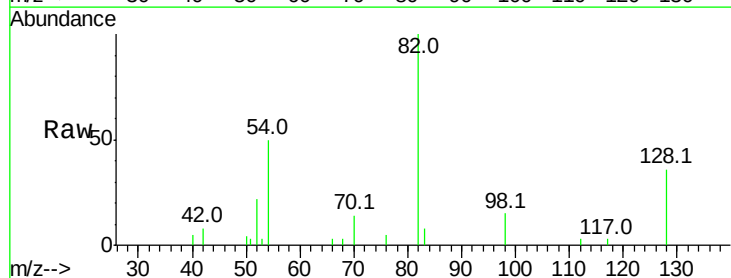
Instrument :
BNA_G
ClientSampleId :

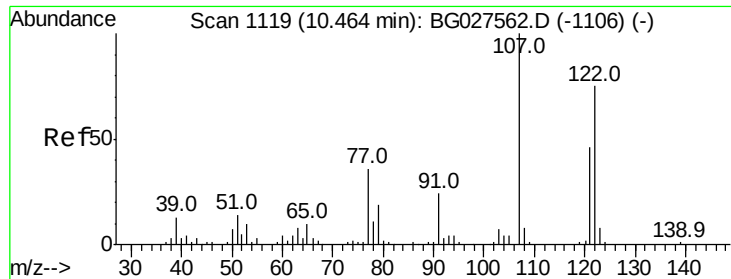
Tot Ion:	136	Resp:	59074
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.9	13.3
54	9.7	9.3	13.9
68	4.2	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 9.03 ng
RT: 9.65 min Scan# 981
Delta R.T. -0.02 min
Lab File: BG027703.D
Acq: 27 Jun 2017 19:56

Tgt Ion:	82	Resp:	11269
Ion	Ratio	Lower	Upper
82	100		
128	36.2	26.4	39.6
54	49.6	49.4	74.2

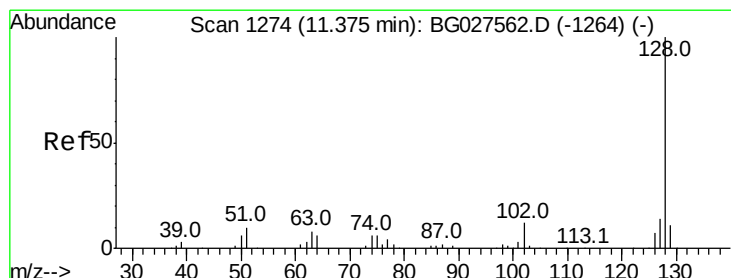
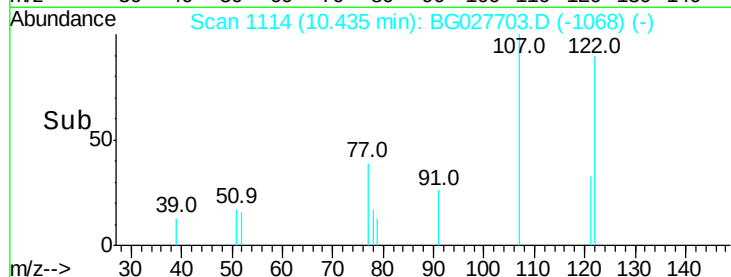
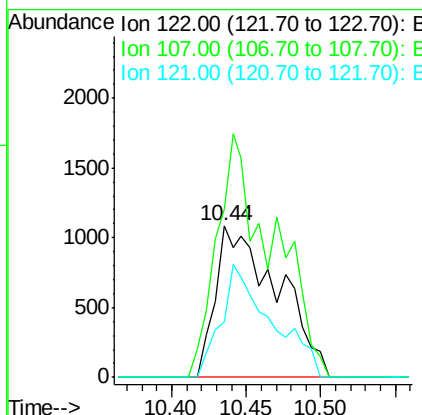
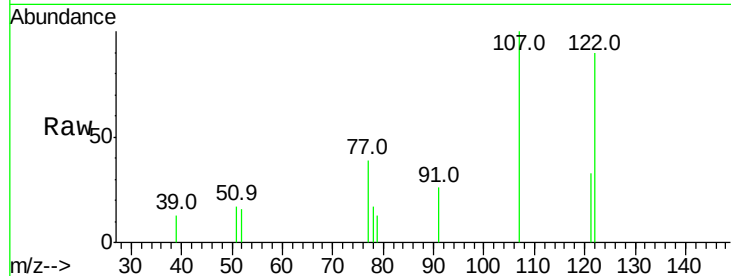




#27
2,4-Dimethylphenol
Concen: 3.28 ng
RT: 10.44 min Scan# 1114
Delta R.T. -0.03 min
Lab File: BG027703.D
Acq: 27 Jun 2017 19:56

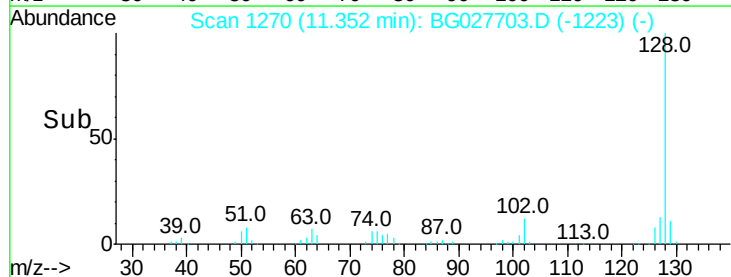
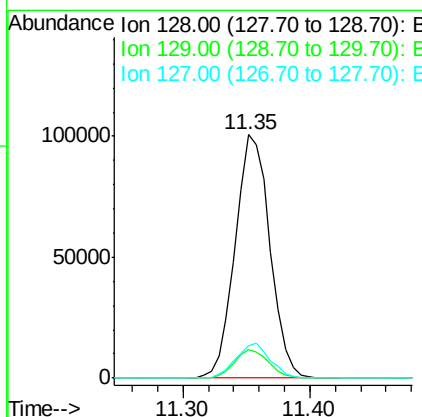
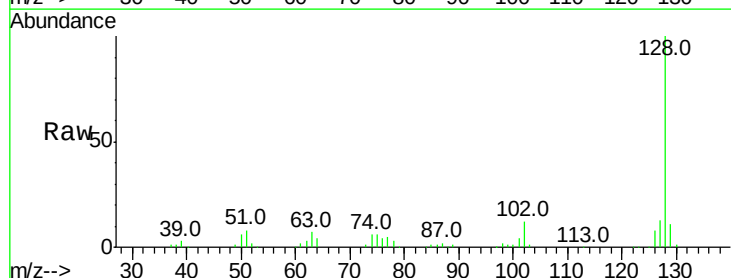
Instrument :
BNA_G
ClientSampled :

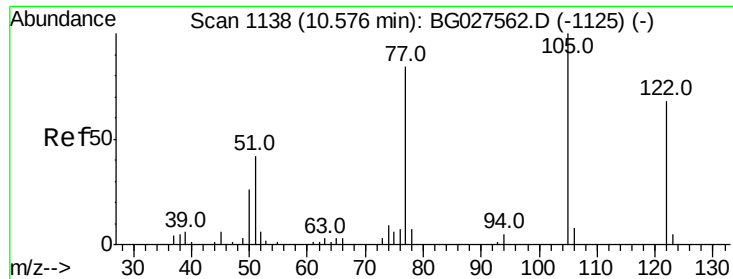
Tot Ion:122 Resp: 3139
Ion Ratio Lower Upper
122 100
107 110.8 104.2 156.4
121 36.9 46.0 69.0#



#31
Naphthalene
Concen: 59.74 ng
RT: 11.35 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BG027703.D
Acq: 27 Jun 2017 19:56

Tgt Ion:128 Resp: 190754
Ion Ratio Lower Upper
128 100
129 11.5 9.3 13.9
127 13.2 11.4 17.0





#32

Benzoic acid

Concen: 11.73 ng

RT: 10.44 min Scan# 1114

Delta R.T. -0.14 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

Instrument :

BNA_G

ClientSampled :

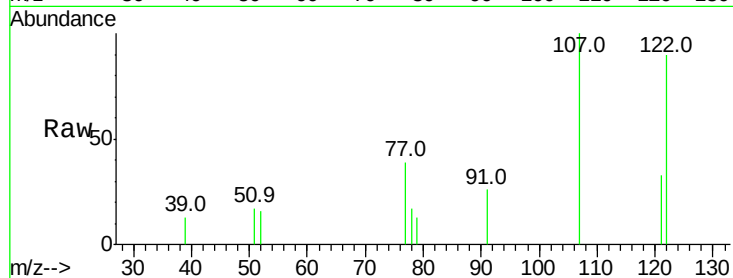
Tot Ion:122 Resp: 3139

Ion Ratio Lower Upper

122 100

105 0.0 120.1 160.1#

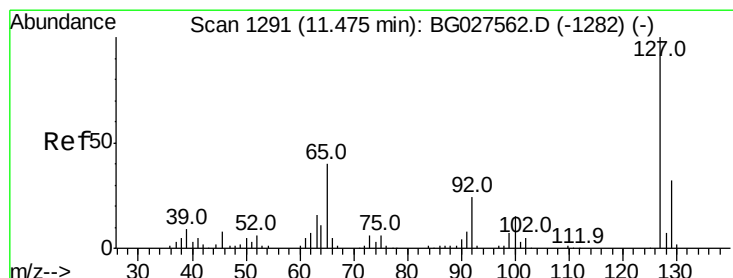
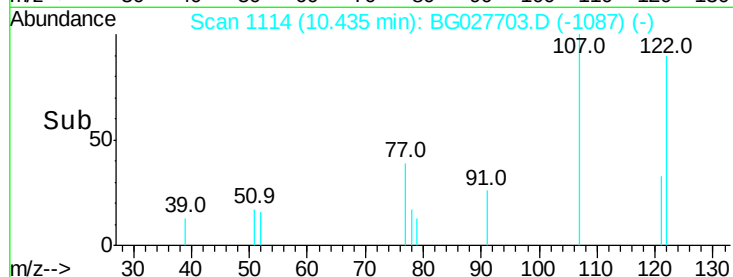
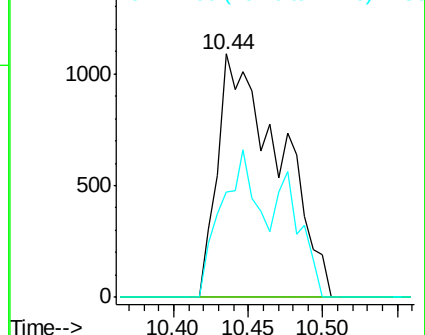
77 43.5 104.6 144.6#



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: 19.82 ng

RT: 11.36 min Scan# 1271

Delta R.T. -0.12 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

Tgt Ion:127 Resp: 26833

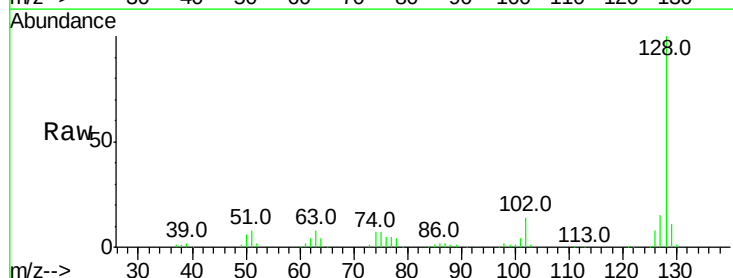
Ion Ratio Lower Upper

127 100

129 74.4 23.6 35.4#

65 2.3 37.7 56.5#

92 0.0 17.6 26.4#

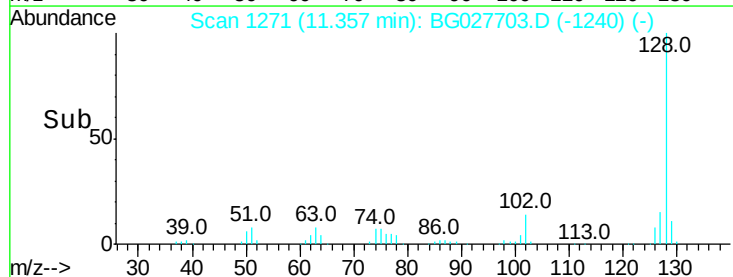
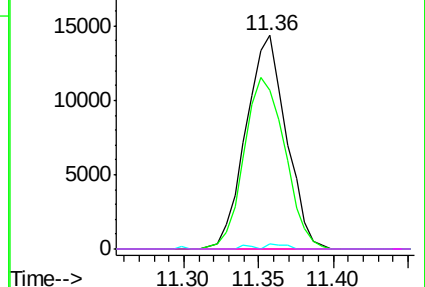


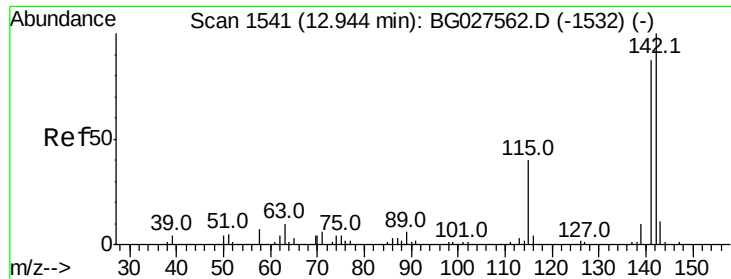
Abundance Ion 127.00 (126.70 to 127.70): E

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

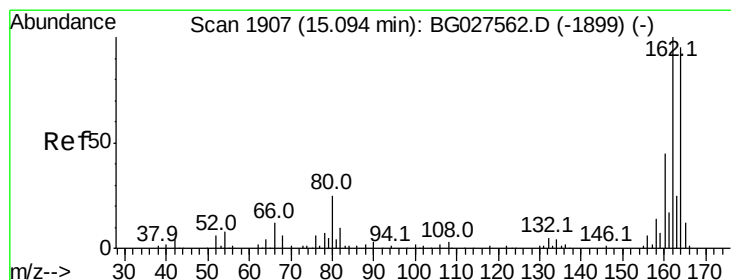
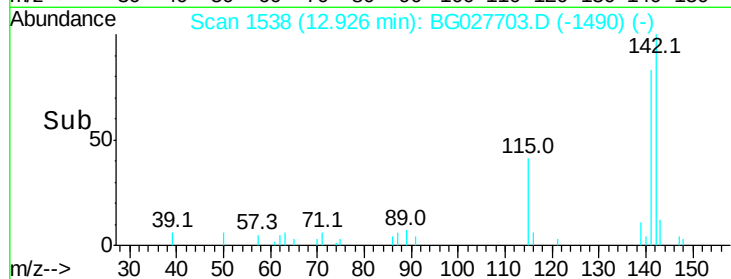
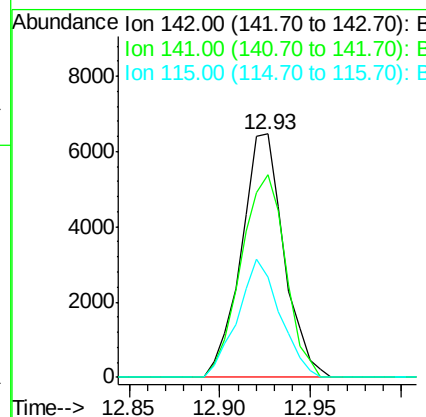
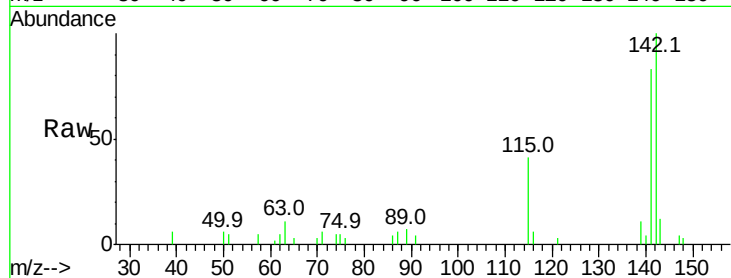




#37
2-Methylnaphthalene
Concen: 4.55 ng
RT: 12.93 min Scan# 1538
Delta R.T. -0.02 min
Lab File: BG027703.D
Acq: 27 Jun 2017 19:56

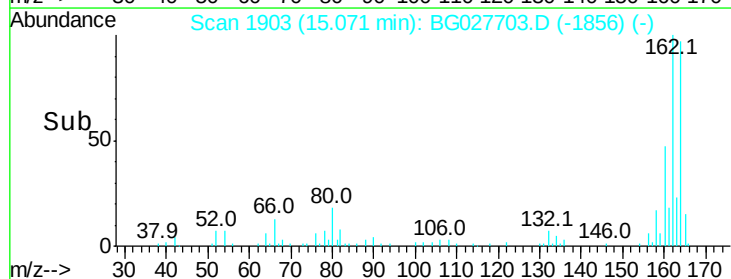
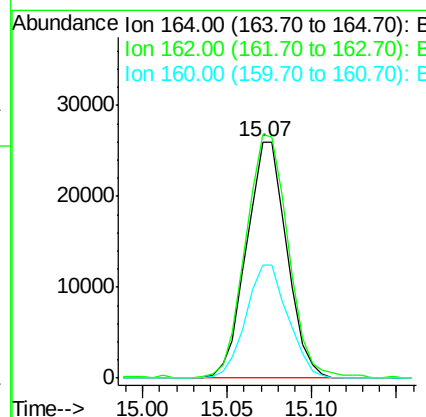
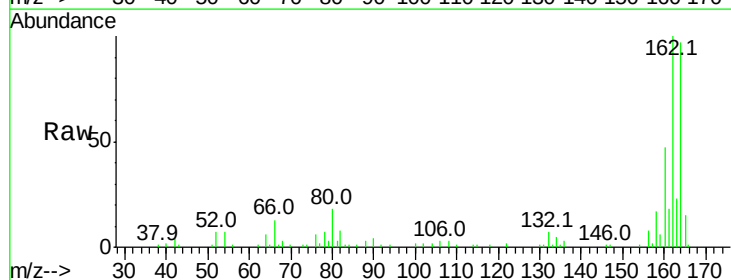
Instrument :
BNA_G
ClientSampled :

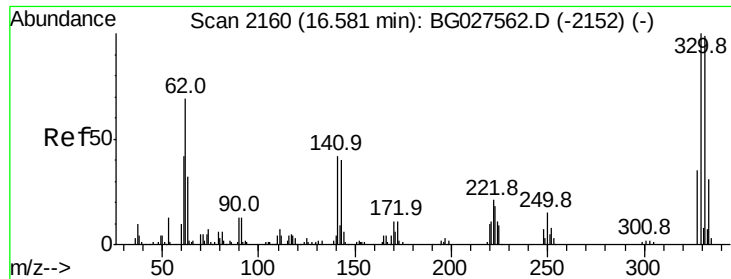
Tot Ion:142 Resp: 10568
Ion Ratio Lower Upper
142 100
141 83.4 70.4 105.6
115 41.3 35.5 53.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.07 min Scan# 1903
Delta R.T. -0.02 min
Lab File: BG027703.D
Acq: 27 Jun 2017 19:56

Tgt Ion:164 Resp: 43090
Ion Ratio Lower Upper
164 100
162 103.2 85.1 127.7
160 48.0 34.7 52.1





#41

2,4,6-Tribromophenol

Concen: 15.57 ng

RT: 16.56 min Scan# 2156

Delta R.T. -0.02 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

Instrument :

BNA_G

ClientSampleId :

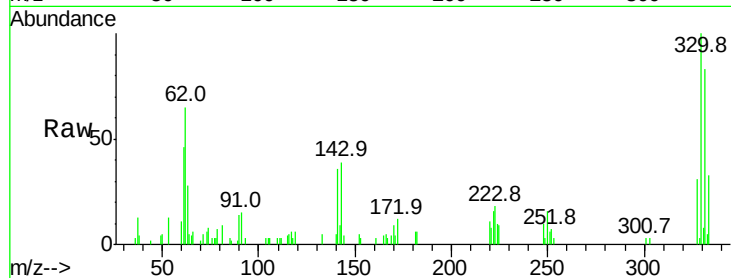
Tot Ion:330 Resp: 10000

Ion Ratio Lower Upper

330 100

332 91.7 77.3 115.9

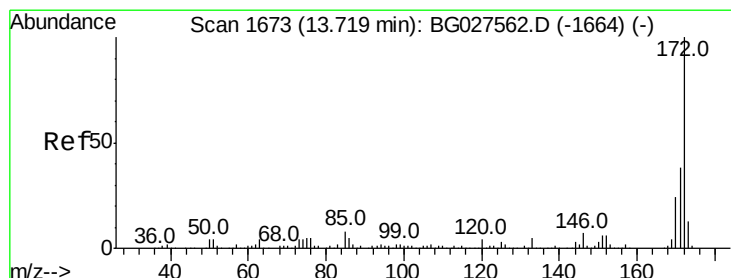
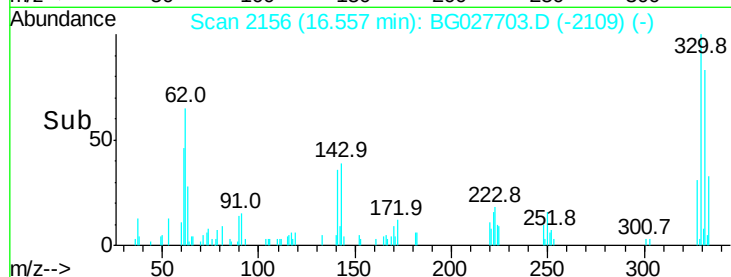
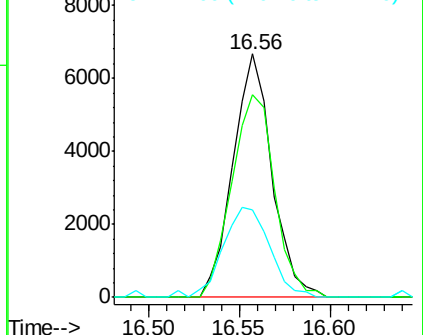
141 44.6 32.1 48.1



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: 9.88 ng

RT: 13.70 min Scan# 1669

Delta R.T. -0.02 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

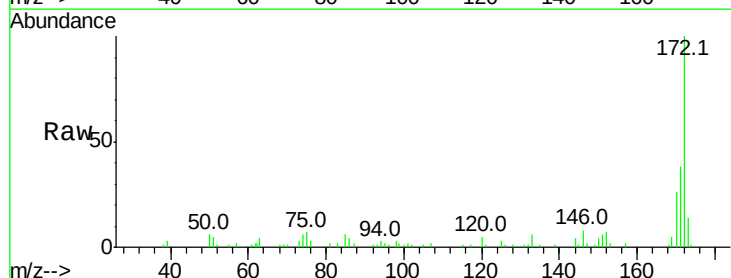
Tgt Ion:172 Resp: 31179

Ion Ratio Lower Upper

172 100

171 38.1 32.2 48.2

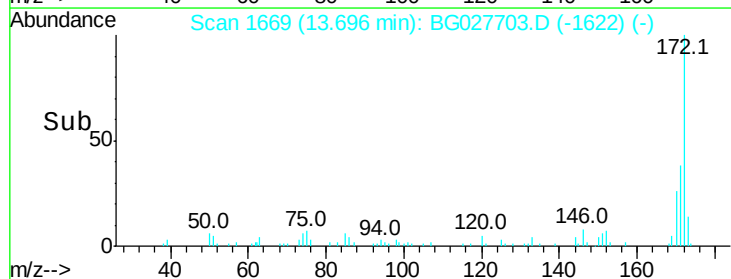
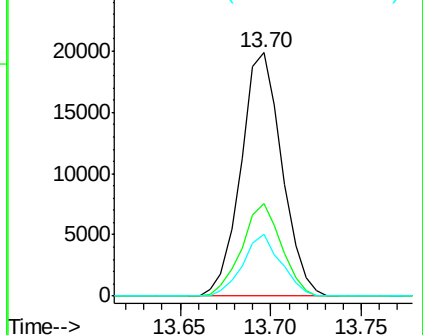
170 25.7 21.8 32.6

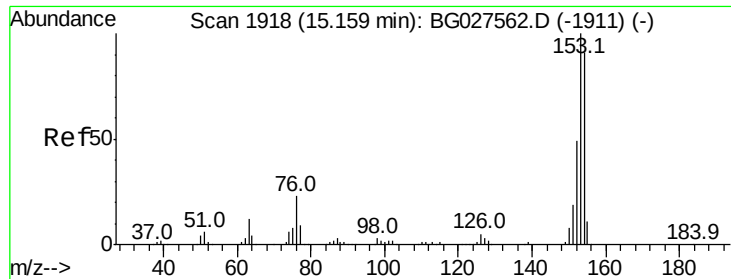


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 2.52 ng

RT: 15.14 min Scan# 1915

Delta R.T. -0.02 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

Instrument :

BNA_G

ClientSampleId :

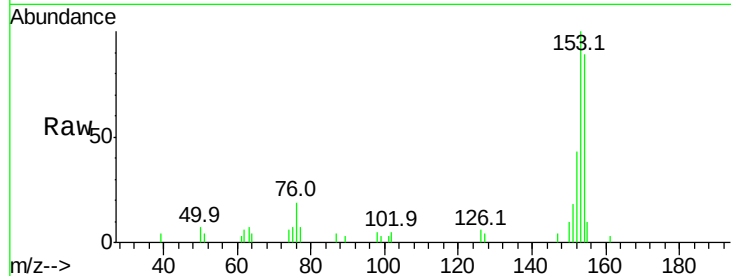
Tot Ion:154 Resp: 8206

Ion Ratio Lower Upper

154 100

153 111.8 87.8 131.6

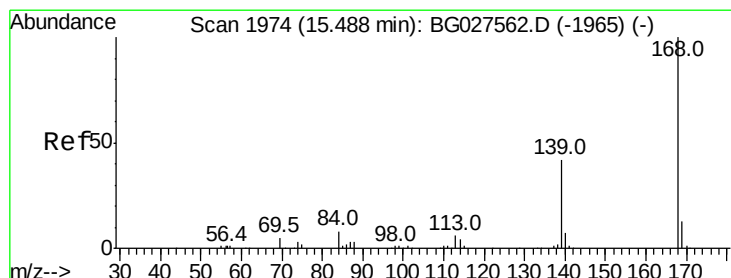
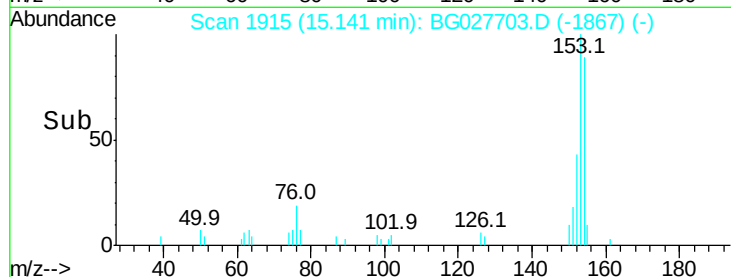
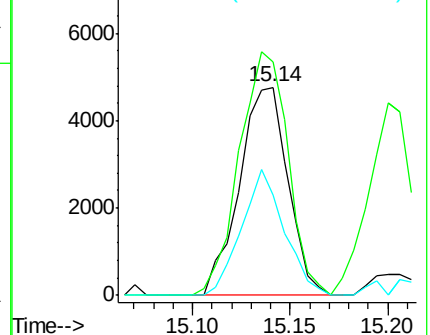
152 48.1 42.2 63.4



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

Dibenzofuran

Concen: 2.12 ng

RT: 15.46 min Scan# 1970

Delta R.T. -0.02 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

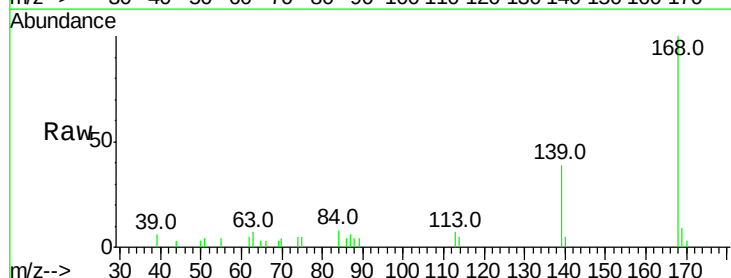
Tgt Ion:168 Resp: 8993

Ion Ratio Lower Upper

168 100

139 38.6 35.3 52.9

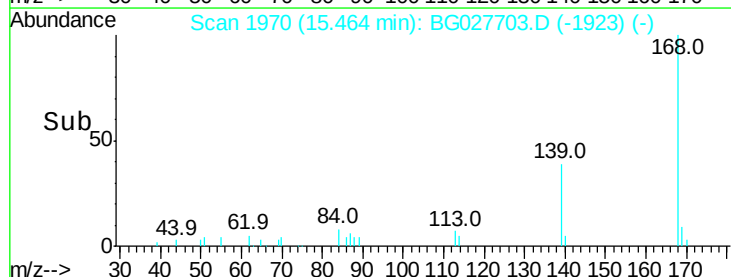
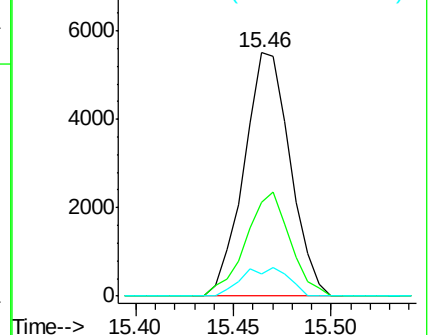
169 9.2 11.5 17.3#

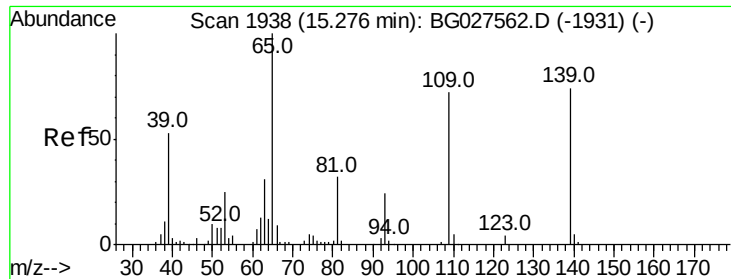


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 5.10 ng

RT: 15.47 min Scan# 1971

Delta R.T. 0.19 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

Instrument :

BNA_G

ClientSampleId :

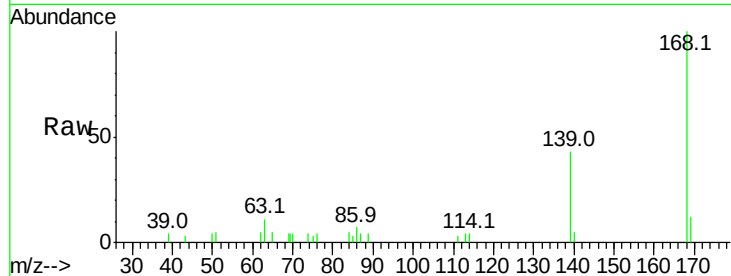
Tot Ion:139 Resp: 3690

Ion Ratio Lower Upper

139 100

109 0.0 101.2 141.2#

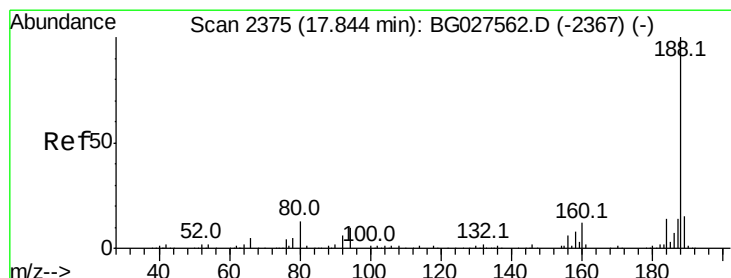
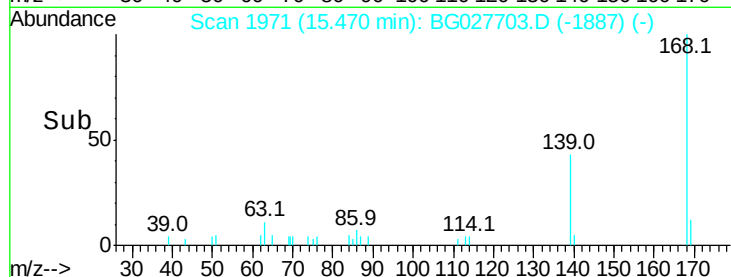
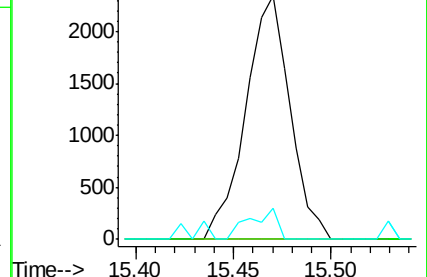
65 12.6 135.3 175.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.82 min Scan# 2371

Delta R.T. -0.02 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

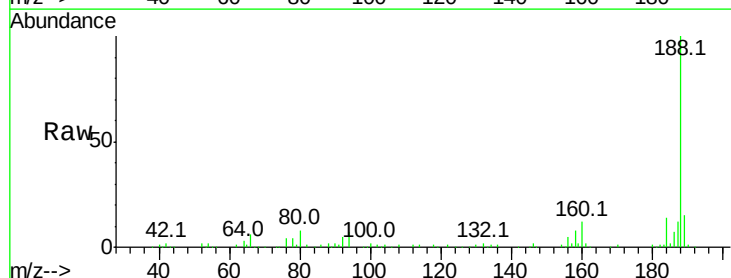
Tgt Ion:188 Resp: 120459

Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.8

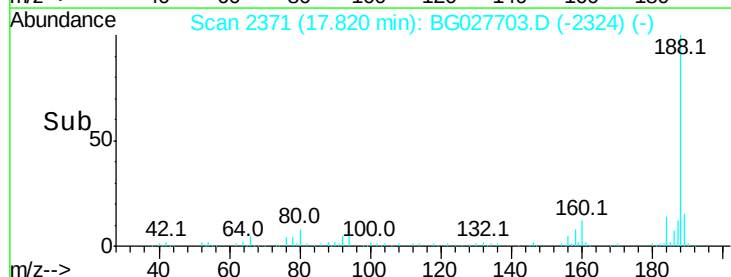
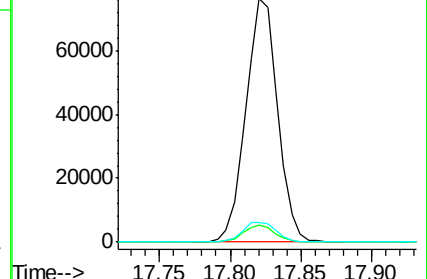
80 8.0 7.5 11.3

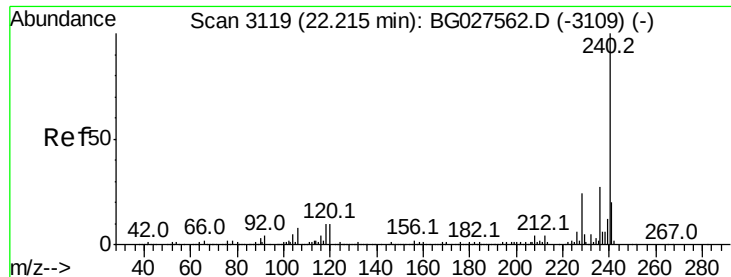


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.19 min Scan# 3114

Delta R.T. -0.03 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

Instrument :

BNA_G

ClientSampleId :

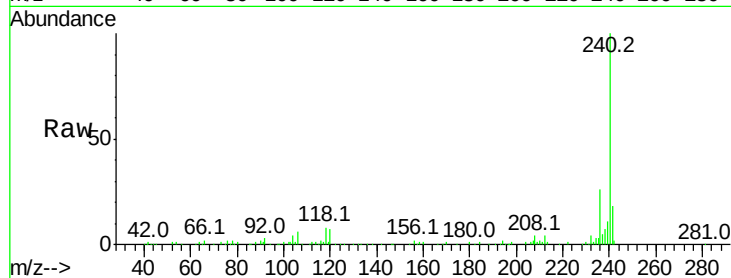
Tot Ion:240 Resp: 137796

Ion Ratio Lower Upper

240 100

120 6.8 5.7 8.5

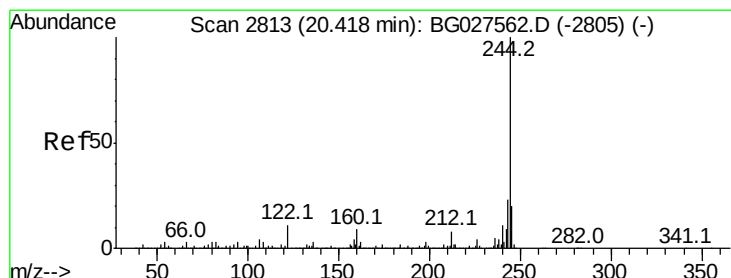
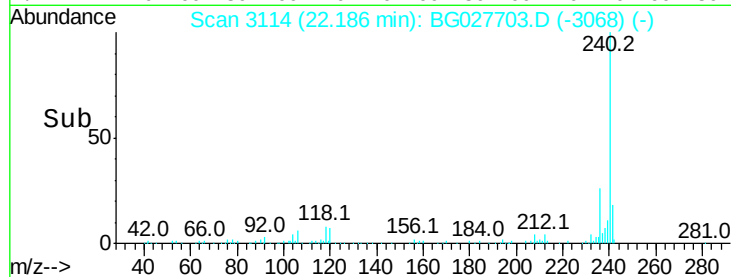
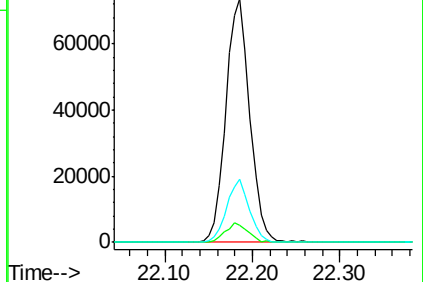
236 26.1 22.2 33.4



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: 9.84 ng

RT: 20.39 min Scan# 2809

Delta R.T. -0.02 min

Lab File: BG027703.D

Acq: 27 Jun 2017 19:56

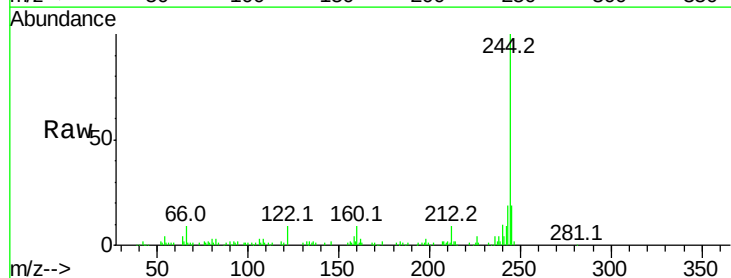
Tgt Ion:244 Resp: 57534

Ion Ratio Lower Upper

244 100

212 8.5 10.0 15.0#

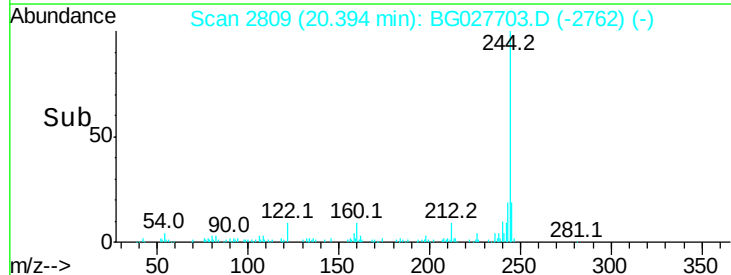
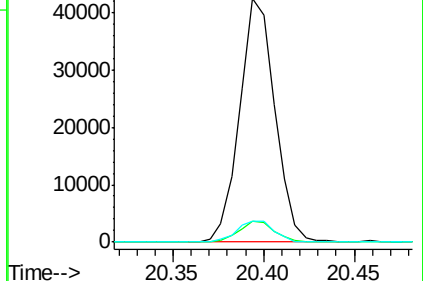
122 8.6 8.6 12.8

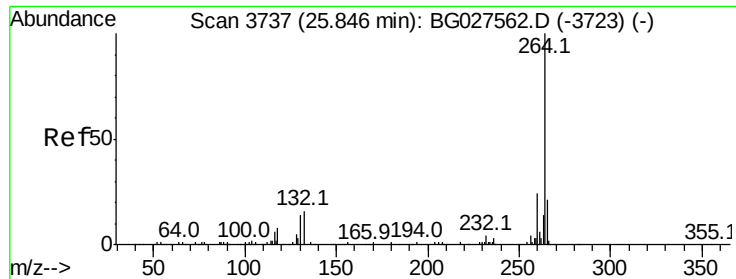


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.80 min Scan# 3729
Delta R.T. -0.05 min
Lab File: BG027703.D
Acq: 27 Jun 2017 19:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	21.8	32.8
265	20.5	18.2	27.4

