

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062718\
 Data File : BG035467.D
 Acq On : 28 Jun 2018 5:56
 Operator : JU/SJ
 Sample : J3711-02DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-27S-GWDL

Quant Time: Jun 28 07:46:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

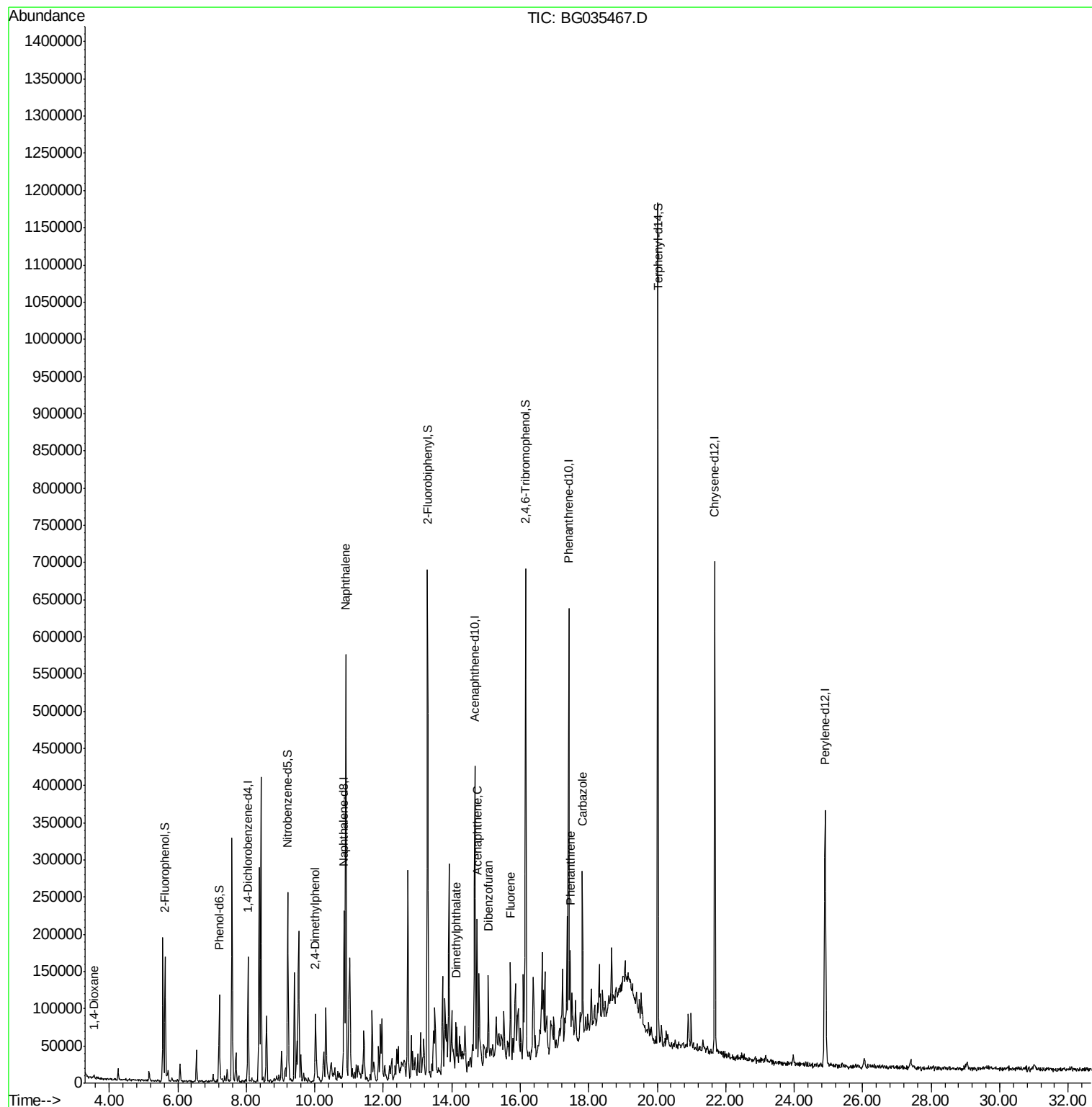
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	48014	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	187367	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	136777	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	360419	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	405676	20.00	ng	-0.04
86) Perylene-d12	24.90	264	394882	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	78547	27.61	ng	-0.02
7) Phenol-d6	7.21	99	69693	16.60	ng	-0.01
23) Nitrobenzene-d5	9.21	82	169517	43.01	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	117425	67.06	ng	-0.02
44) 2-Fluorobiphenyl	13.29	172	386169	36.70	ng	-0.04
78) Terphenyl-d14	20.02	244	547549	28.27	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.55	88	3520	2.593	ng	Qvalue # 58
27) 2,4-Dimethylphenol	10.02	122	31247	10.685	ng	84
31) Naphthalene	10.91	128	457351	46.987	ng	100
49) Dimethylphthalate	14.12	163	30741	2.577	ng	99
51) Acenaphthene	14.74	154	67642	7.425	ng	97
54) Dibenzofuran	15.07	168	68159	4.996	ng	91
57) Fluorene	15.72	166	50948	4.468	ng	93
70) Phenanthrene	17.46	178	77597	4.238	ng	98
72) Carbazole	17.82	167	127587	7.498	ng	99

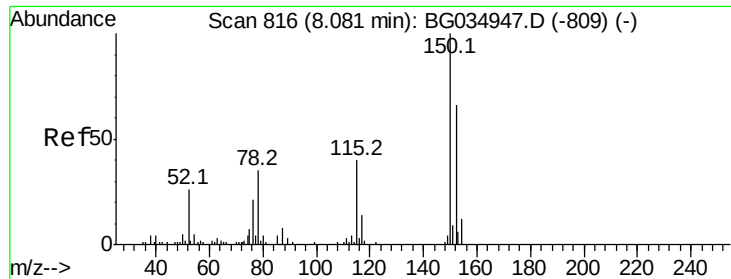
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062718\
Data File : BG035467.D
Acq On : 28 Jun 2018 5:56
Operator : JU/SJ
Sample : J3711-02DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
QNWP8-27S-GWDL

Quant Time: Jun 28 07:46:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 08 17:16:28 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 811

Delta R.T. -0.02 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

Instrument :

BNA_G

ClientSampleId :

QNWP8-27S-GWDL

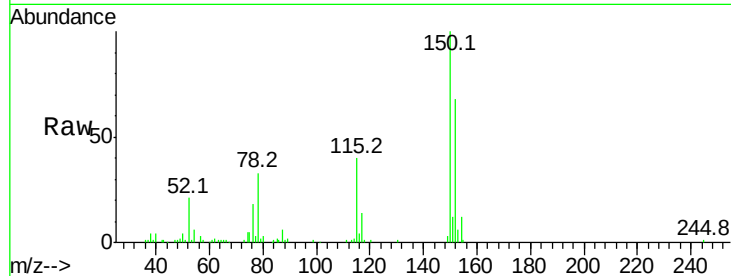
Tot Ion:152 Resp: 48014

Ion Ratio Lower Upper

152 100

150 147.1 126.6 189.8

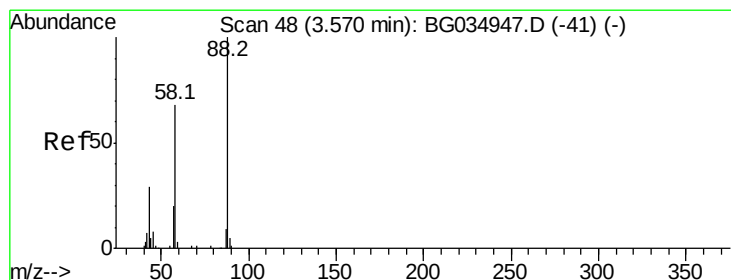
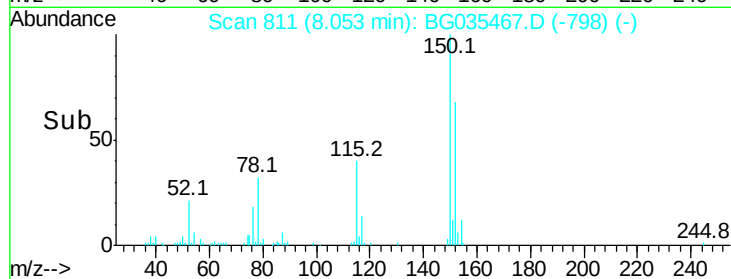
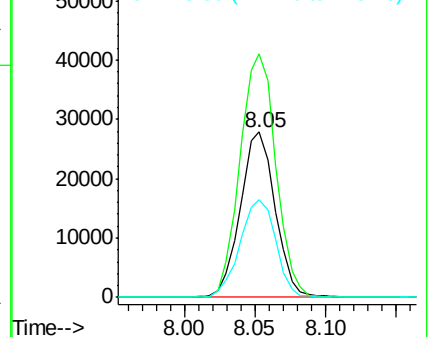
115 59.3 53.0 79.4



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



#2

1,4-Dioxane

Concen: 2.593 ng

RT: 3.55 min Scan# 45

Delta R.T. -0.01 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

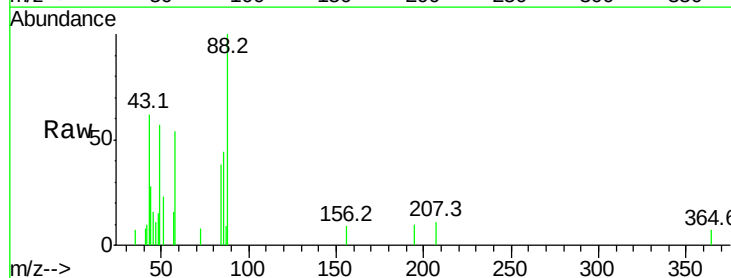
Tgt Ion: 88 Resp: 3520

Ion Ratio Lower Upper

88 100

58 63.0 79.6 119.4#

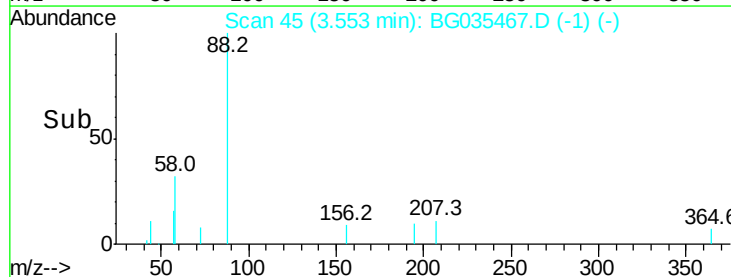
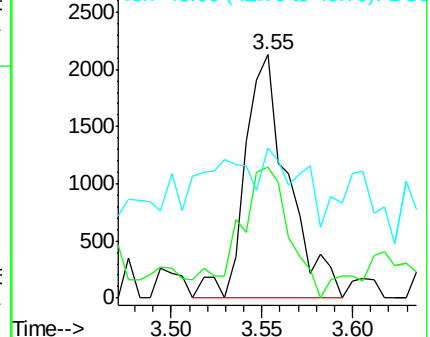
43 0.0 27.4 41.0#

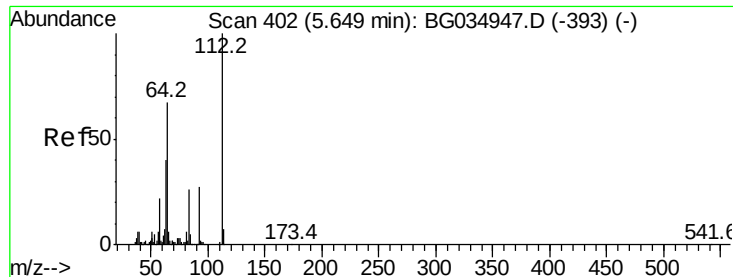


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 27.608 ng

RT: 5.63 min Scan# 398

Delta R.T. -0.02 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

Instrument :

BNA_G

ClientSampleId :

QNWP8-27S-GWDL

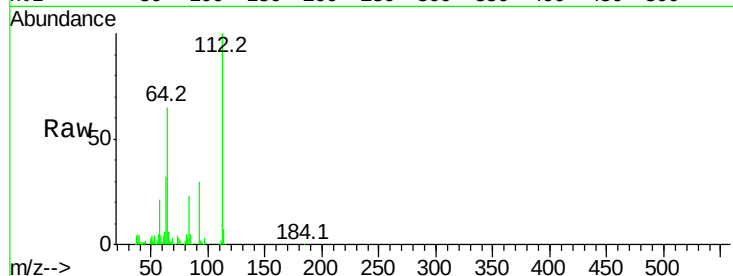
Tot Ion:112 Resp: 78547

Ion Ratio Lower Upper

112 100

64 65.5 56.3 84.5

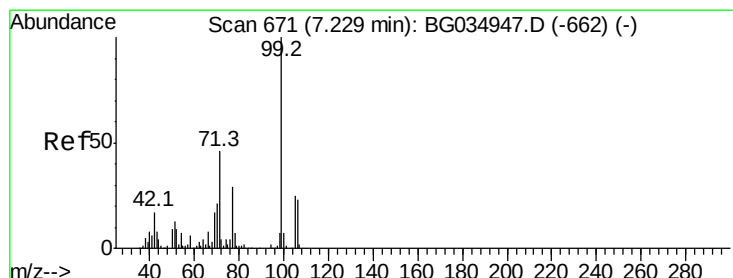
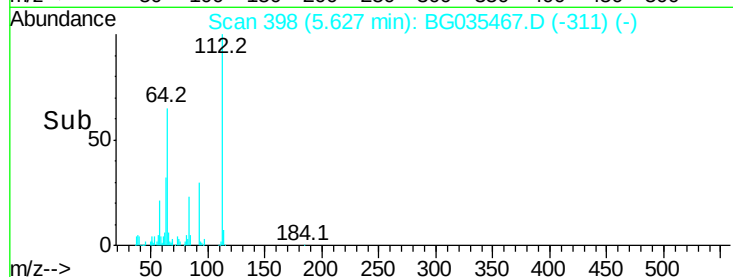
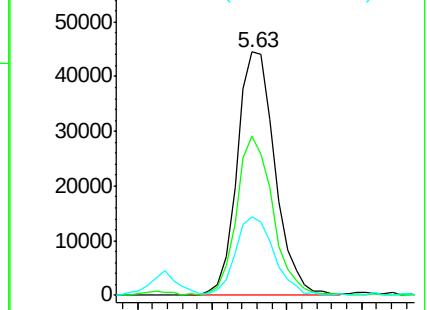
63 32.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 16.597 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

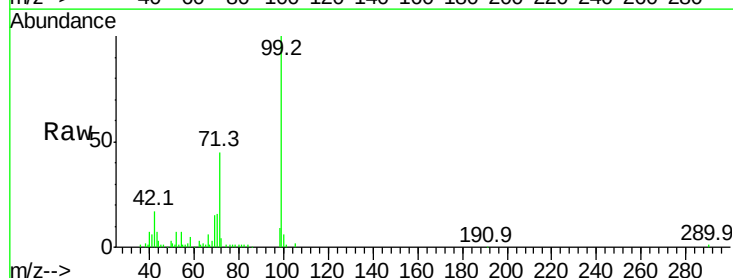
Tgt Ion: 99 Resp: 69693

Ion Ratio Lower Upper

99 100

42 16.5 14.1 21.1

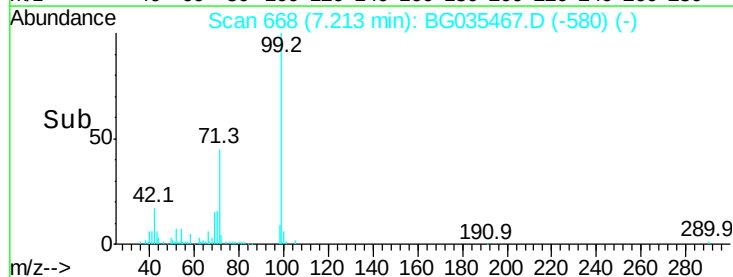
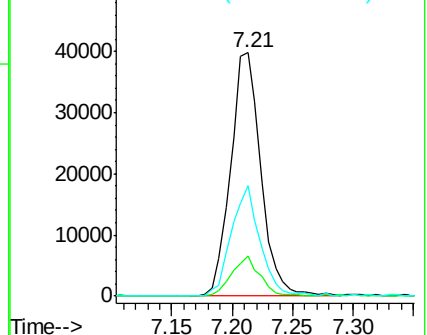
71 45.3 26.1 39.1#

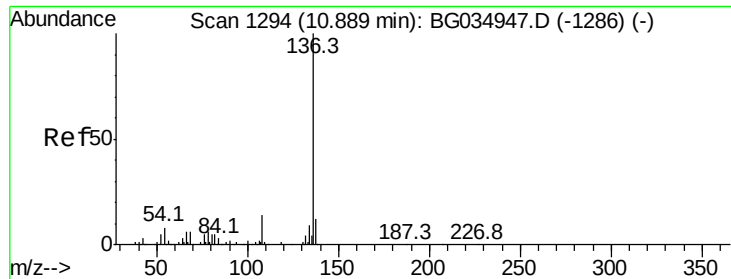


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

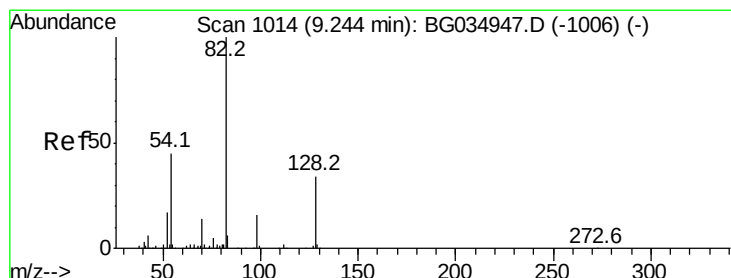
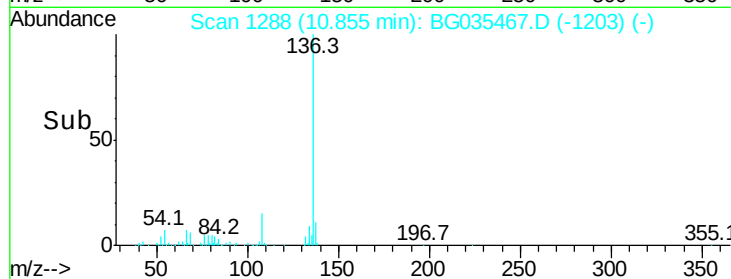
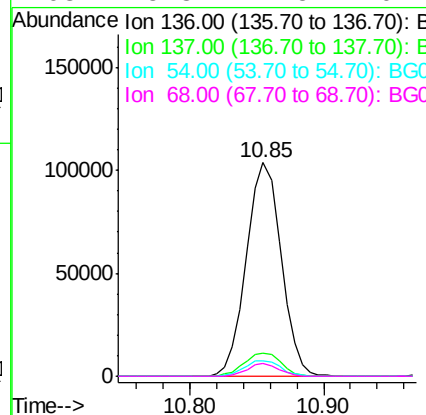
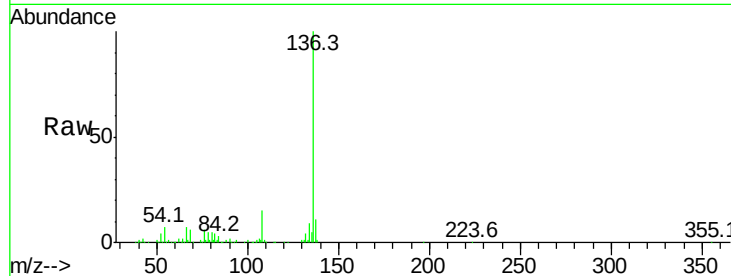




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035467.D
Acq: 28 Jun 2018 5:56

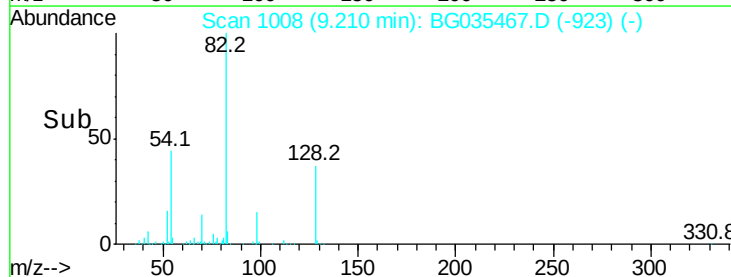
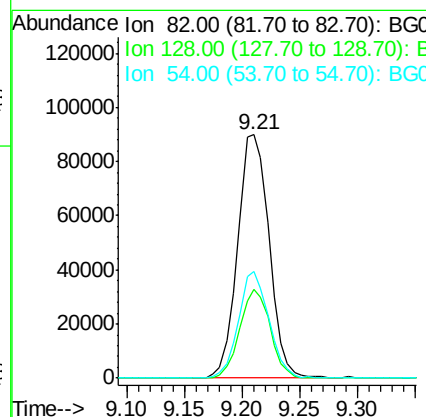
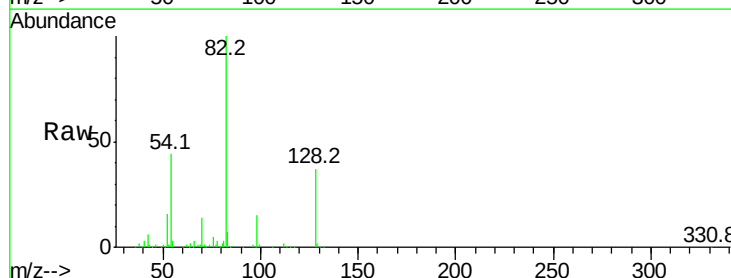
Instrument :
BNA_G
ClientSampleId :
QNWP8-27S-GWDL

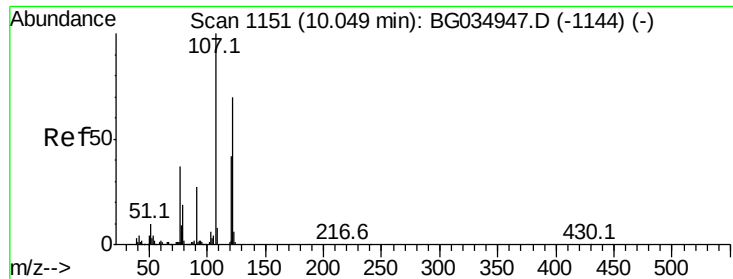
Tot Ion:	136	Resp:	187367
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.1	10.3	15.5#
68	5.8	4.5	6.7



#23
Nitrobenzene-d5
Concen: 43.006 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BG035467.D
Acq: 28 Jun 2018 5:56

Tgt Ion:	82	Resp:	169517
Ion	Ratio	Lower	Upper
82	100		
128	36.6	29.7	44.5
54	43.7	43.1	64.7

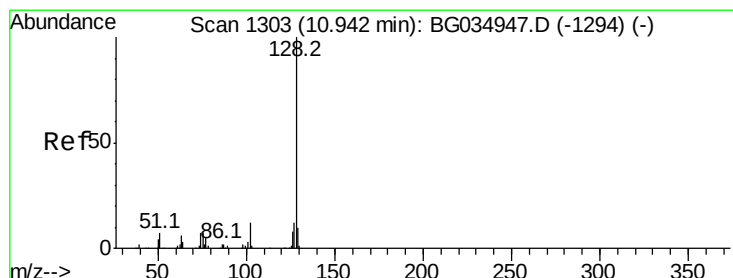
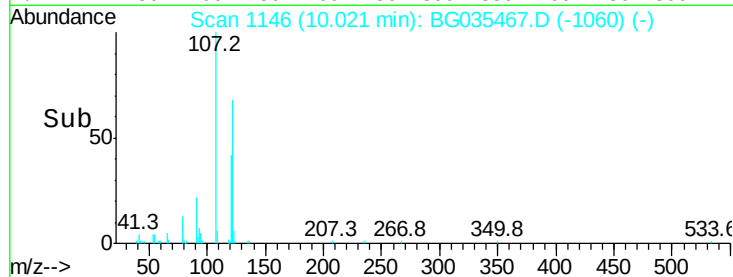
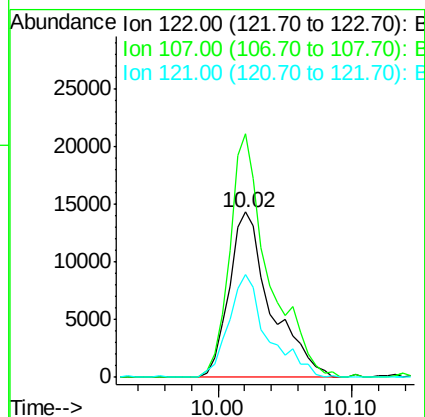
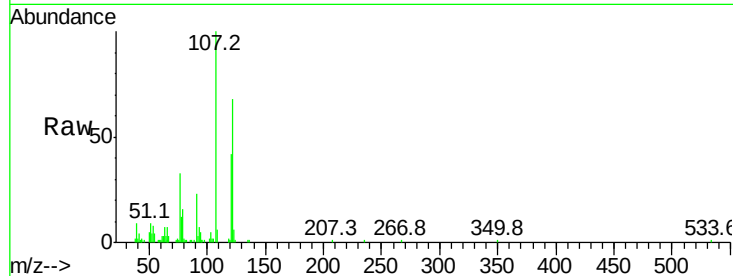




#27
 2,4-Dimethylphenol
 Concen: 10.685 ng
 RT: 10.02 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BG035467.D
 Acq: 28 Jun 2018 5:56

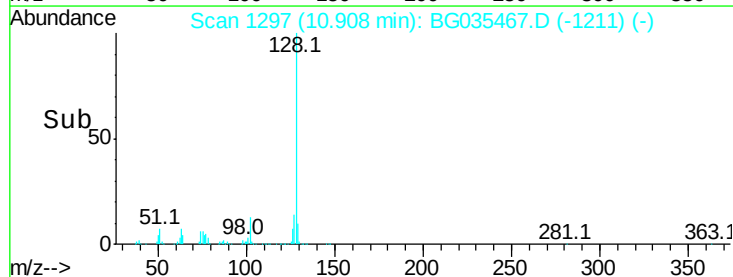
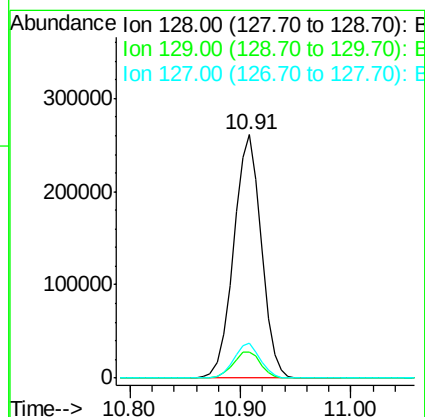
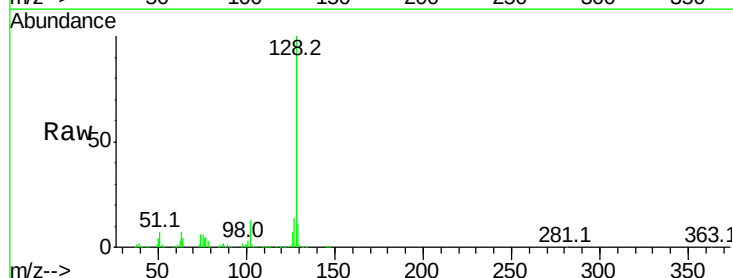
Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-27S-GWDL

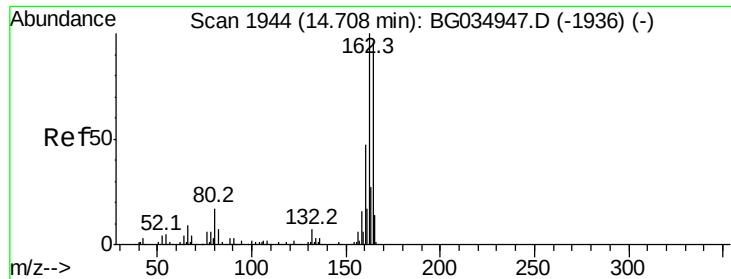
Tot Ion:122 Resp: 31247
 Ion Ratio Lower Upper
 122 100
 107 147.1 100.2 150.2
 121 62.4 44.4 66.6



#31
 Naphthalene
 Concen: 46.987 ng
 RT: 10.91 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BG035467.D
 Acq: 28 Jun 2018 5:56

Tgt Ion:128 Resp: 457351
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.6 12.8
 127 14.3 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

Instrument :

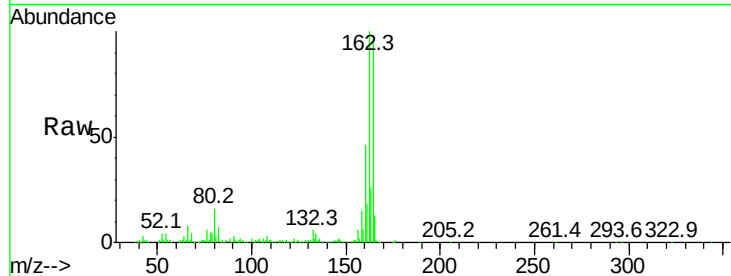
BNA_G

ClientSampleId :

QNWP8-27S-GWDL

Tot Ion:164 Resp: 136777

Ion	Ratio	Lower	Upper
164	100		
162	101.5	78.8	118.2
160	46.6	35.4	53.0

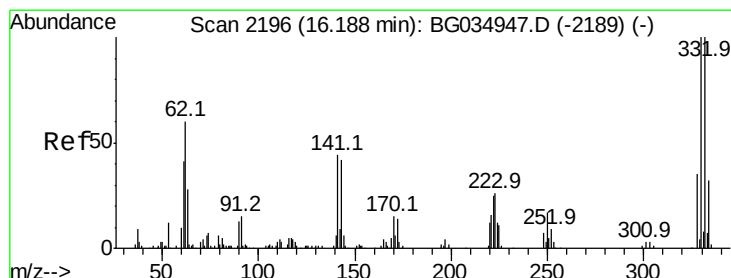
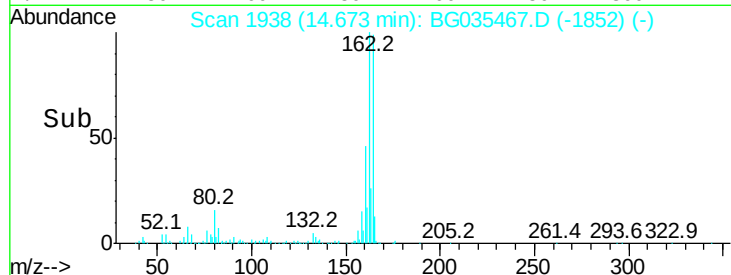
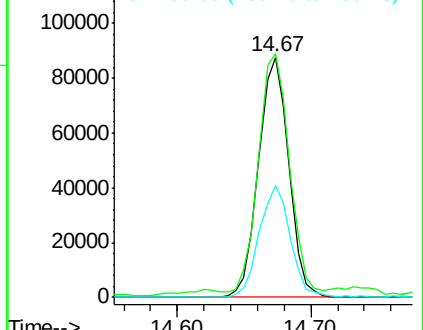


Abundance

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



#41

2,4,6-Tribromophenol

Concen: 67.065 ng

RT: 16.16 min Scan# 2191

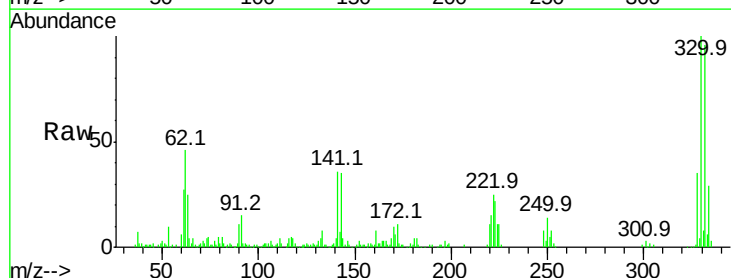
Delta R.T. -0.02 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

Tgt Ion:330 Resp: 117425

Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	38.5	25.2	37.8#

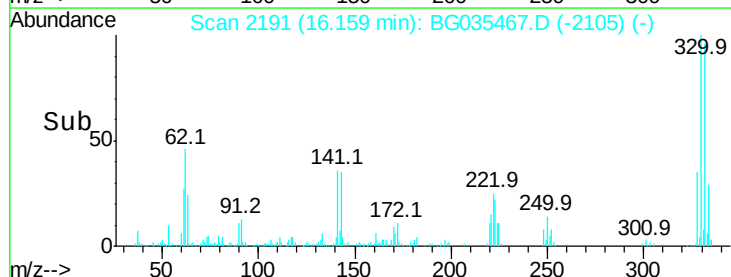
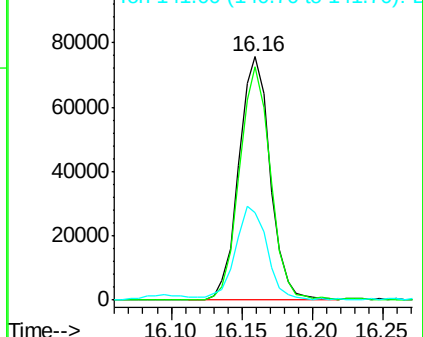


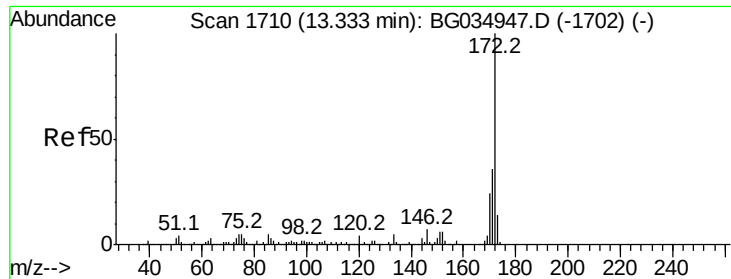
Abundance

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

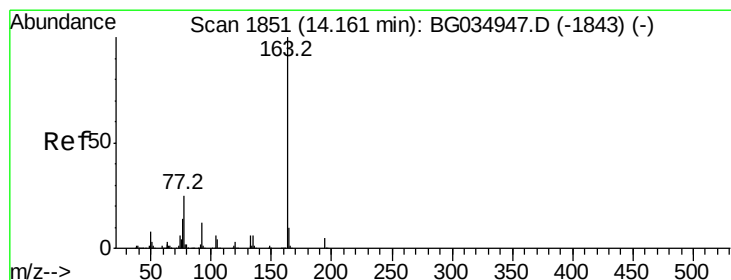
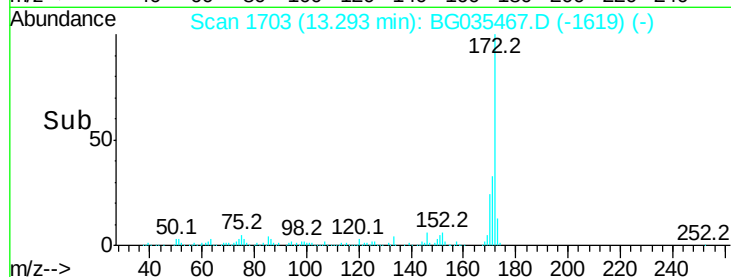
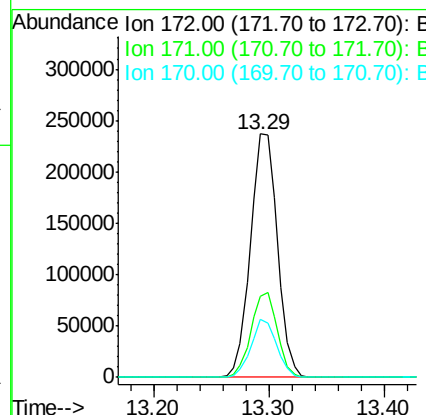
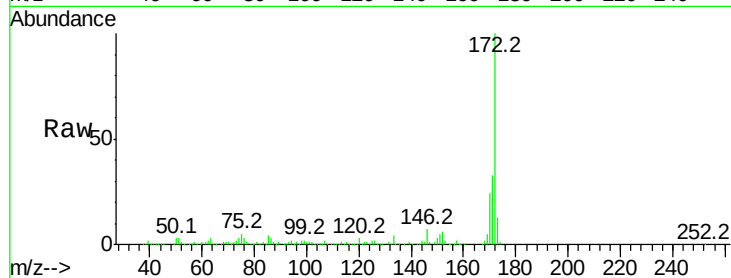




#44
2-Fluorobiphenyl
Concen: 36.703 ng
RT: 13.29 min Scan# 1703
Delta R.T. -0.04 min
Lab File: BG035467.D
Acq: 28 Jun 2018 5:56

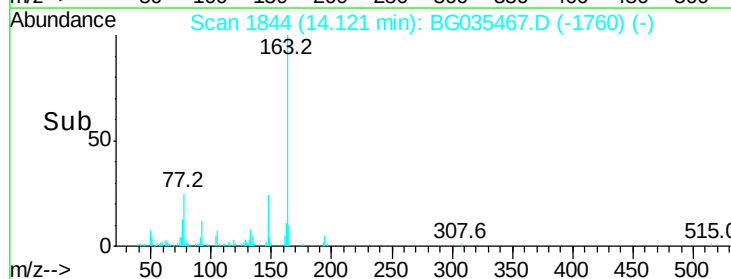
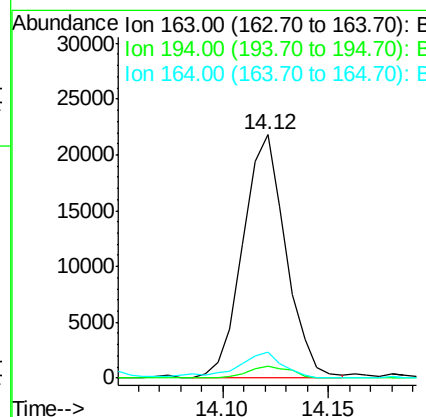
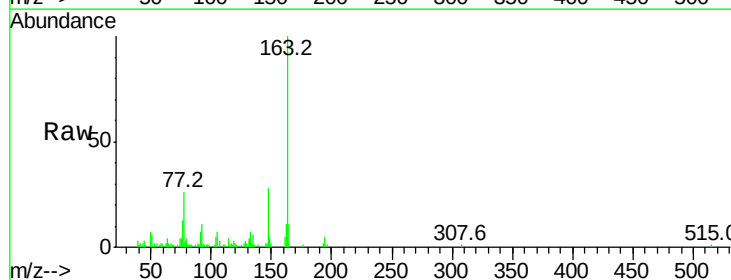
Instrument :
BNA_G
ClientSampleId :
QNWP8-27S-GWDL

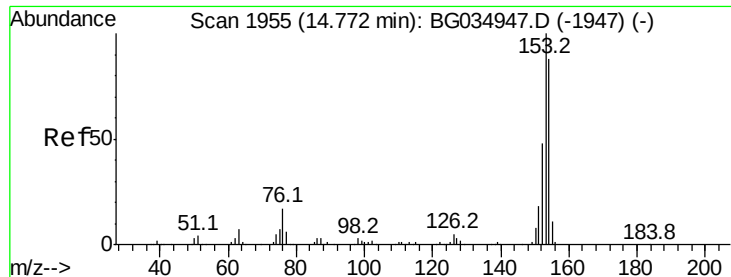
Tot Ion:172 Resp: 386169
Ion Ratio Lower Upper
172 100
171 33.4 30.0 45.0
170 23.6 19.5 29.3



#49
Dimethylphthalate
Concen: 2.577 ng
RT: 14.12 min Scan# 1844
Delta R.T. -0.04 min
Lab File: BG035467.D
Acq: 28 Jun 2018 5:56

Tgt Ion:163 Resp: 30741
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 10.6 8.2 12.4





#51

Acenaphthene

Concen: 7.425 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

Instrument :

BNA_G

ClientSampleId :

QNWP8-27S-GWDL

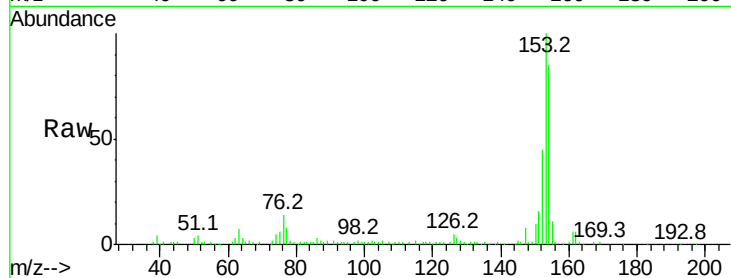
Tot Ion:154 Resp: 67642

Ion Ratio Lower Upper

154 100

153 117.2 90.4 135.6

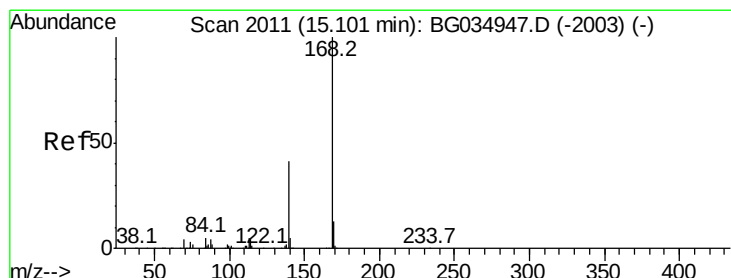
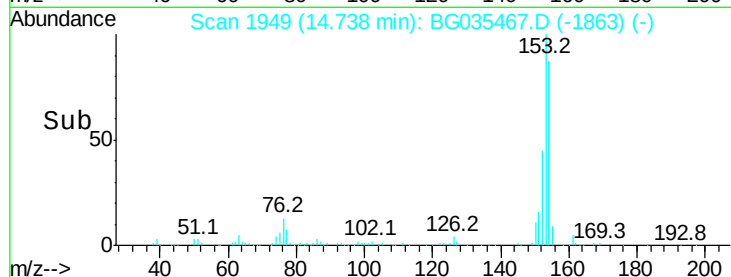
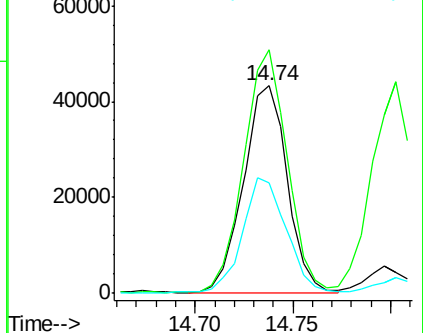
152 53.0 41.6 62.4



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

Dibenzofuran

Concen: 4.996 ng

RT: 15.07 min Scan# 2005

Delta R.T. -0.03 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

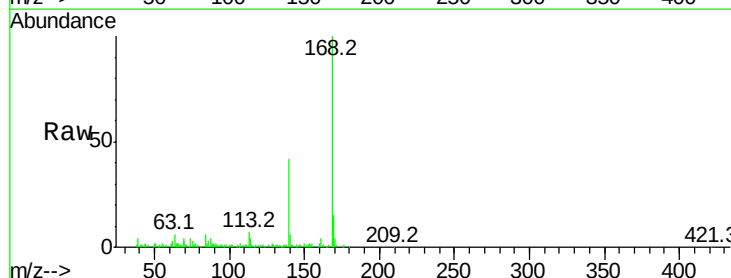
Tgt Ion:168 Resp: 68159

Ion Ratio Lower Upper

168 100

139 42.1 28.6 43.0

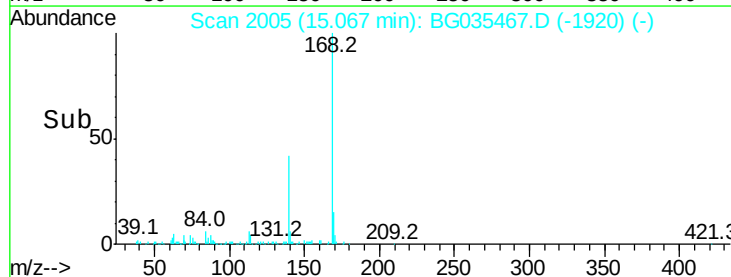
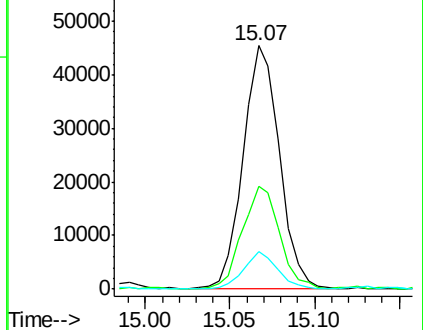
169 15.3 11.2 16.8

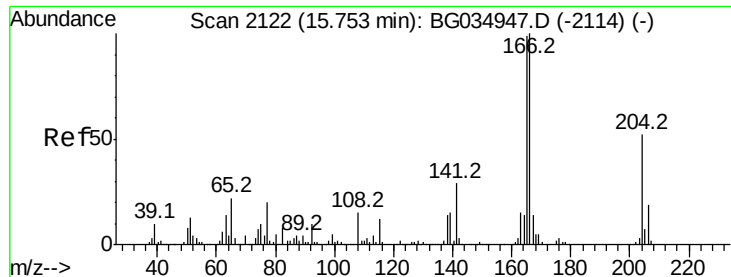


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 4.468 ng

RT: 15.72 min Scan# 2116

Delta R.T. -0.02 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

Instrument :

BNA_G

ClientSampleId :

QNWP8-27S-GWDL

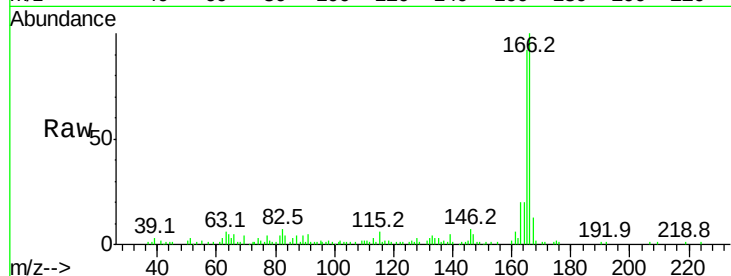
Tot Ion:166 Resp: 50948

Ion Ratio Lower Upper

166 100

165 92.4 80.6 121.0

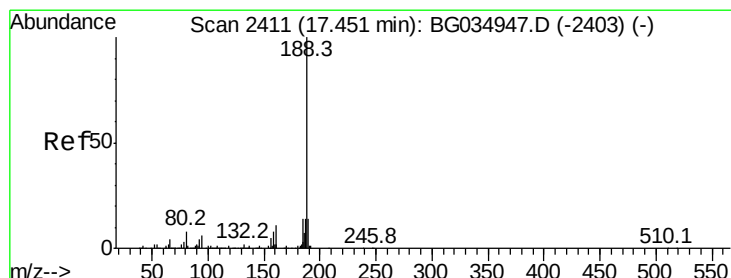
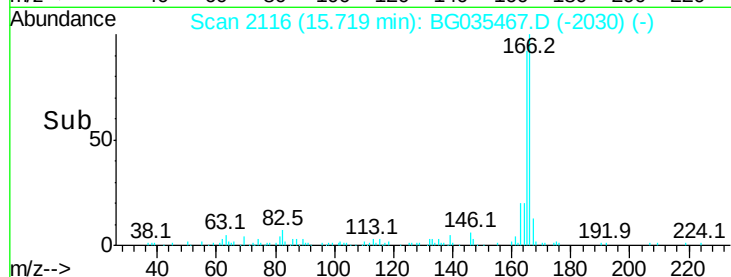
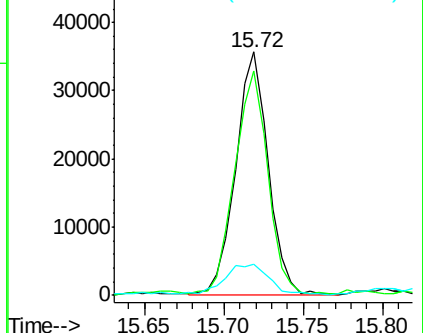
167 12.7 10.4 15.6



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: 17.42 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

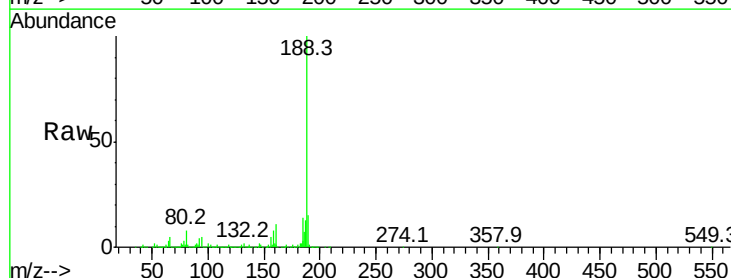
Tgt Ion:188 Resp: 360419

Ion Ratio Lower Upper

188 100

94 5.3 6.9 10.3#

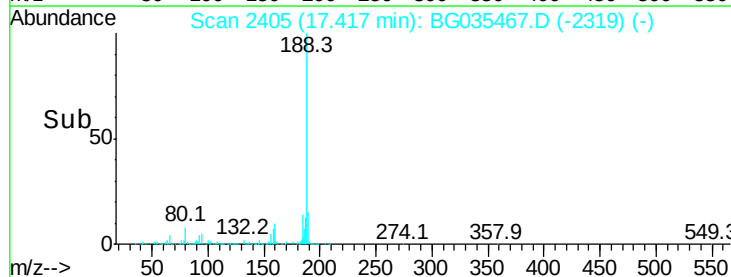
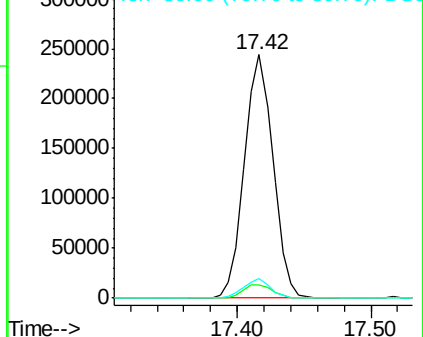
80 8.0 7.7 11.5

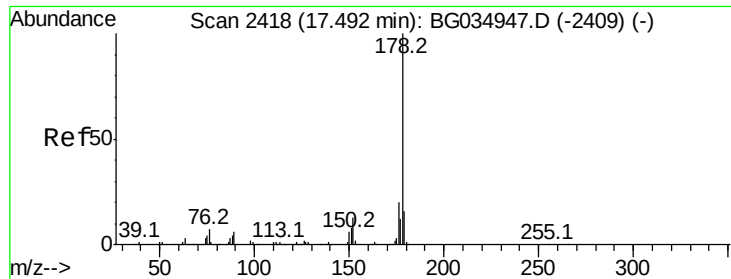


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

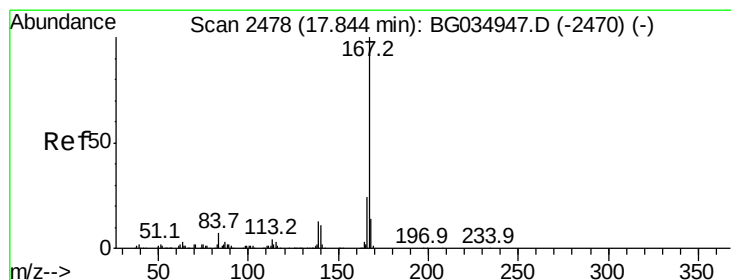
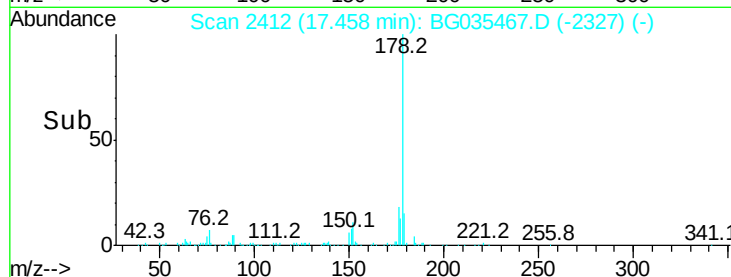
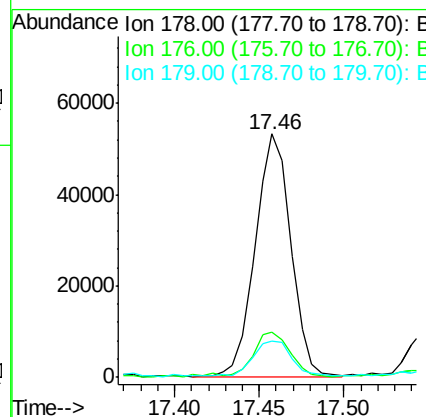
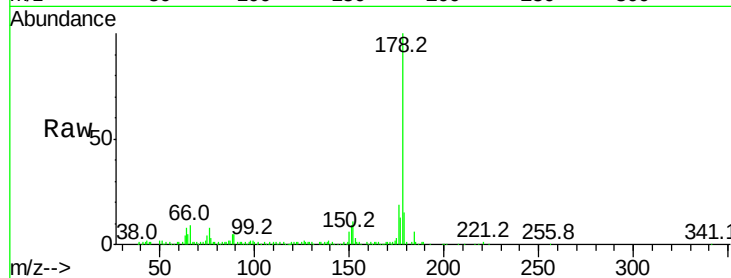




#70
Phenanthrene
Concen: 4.238 ng
RT: 17.46 min Scan# 2412
Delta R.T. -0.03 min
Lab File: BG035467.D
Acq: 28 Jun 2018 5:56

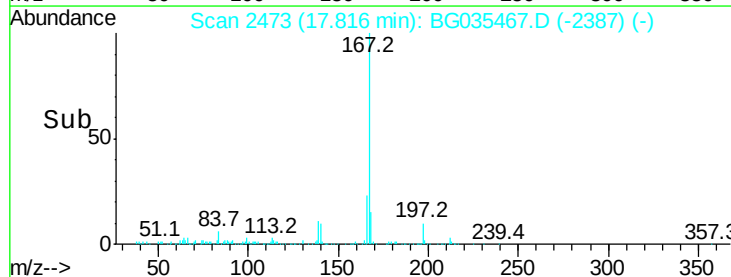
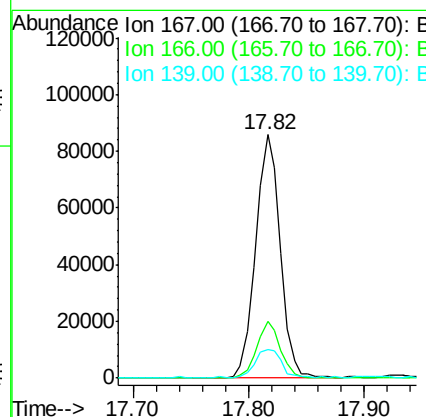
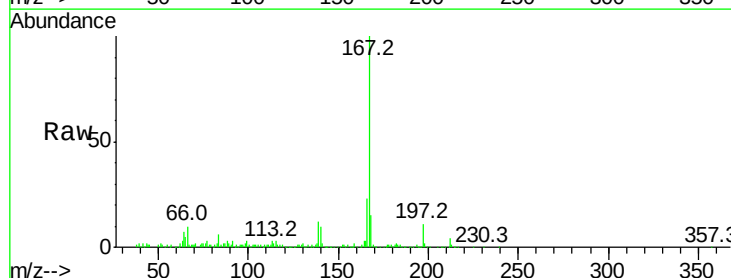
Instrument :
BNA_G
ClientSampleId :
QNWP8-27S-GWDL

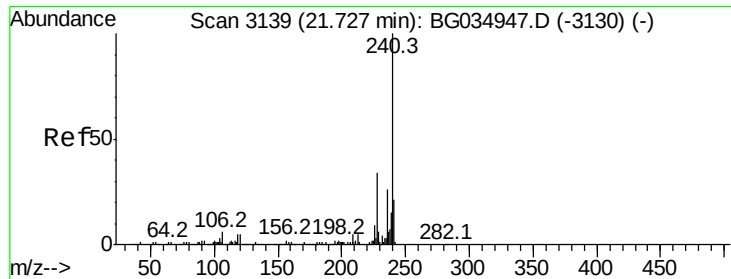
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	15.1	12.5	18.7



#72
Carbazole
Concen: 7.498 ng
RT: 17.82 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BG035467.D
Acq: 28 Jun 2018 5:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.2	27.4
139	11.7	9.4	14.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.04 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

Instrument :

BNA_G

ClientSampleId :

QNWP8-27S-GWDL

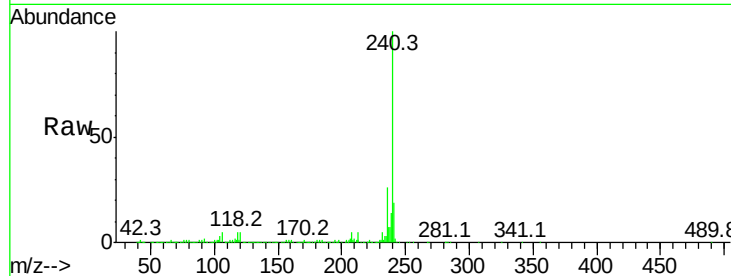
Tot Ion:240 Resp: 405676

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

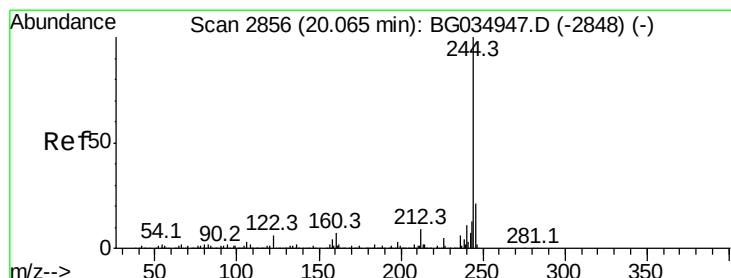
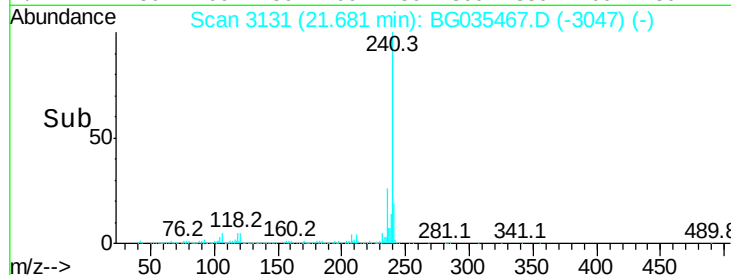
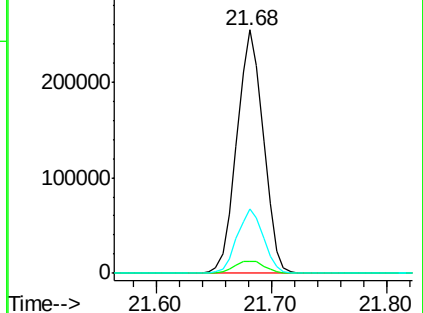
236 26.3 20.9 31.3



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: 28.272 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.03 min

Lab File: BG035467.D

Acq: 28 Jun 2018 5:56

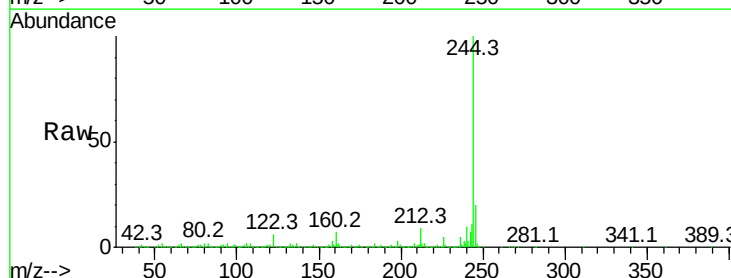
Tgt Ion:244 Resp: 547549

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

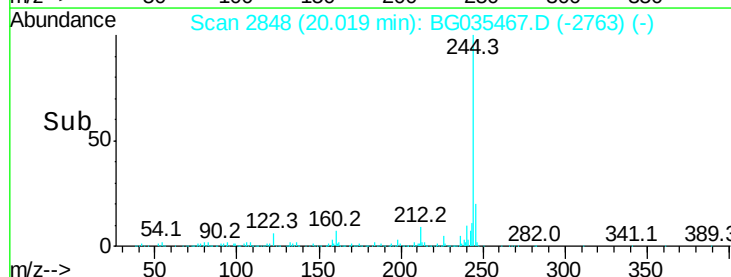
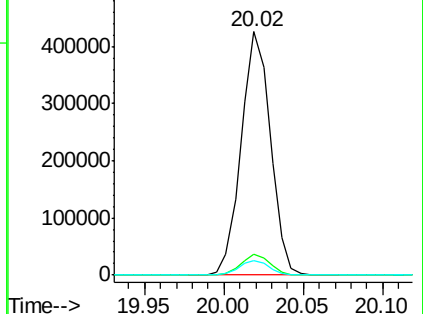
122 5.9 7.0 10.4#

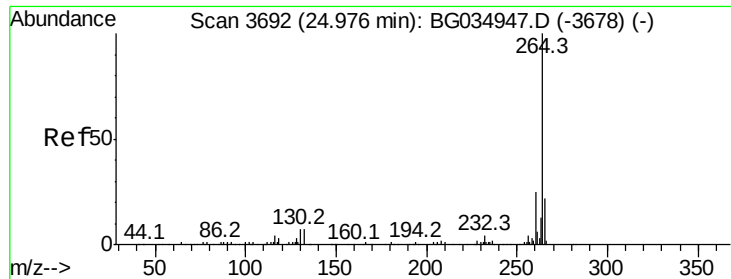


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

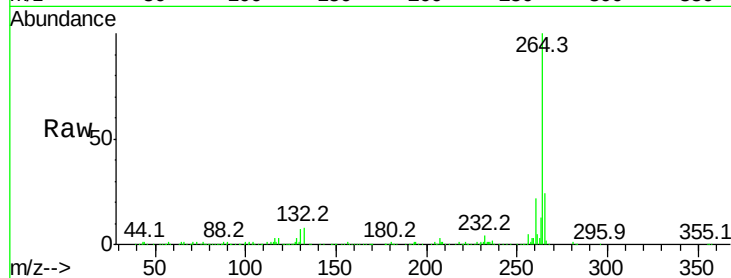




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.05 min
Lab File: BG035467.D
Acq: 28 Jun 2018 5:56

Instrument :
BNA_G
ClientSampleId :
QNWP8-27S-GWDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.4	26.0
265	24.2	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

