

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\
 Data File : BG035444.D
 Acq On : 27 Jun 2018 13:40
 Operator : JU/SJ
 Sample : J3711-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-27S-GW

Quant Time: Jun 27 16:07:17 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

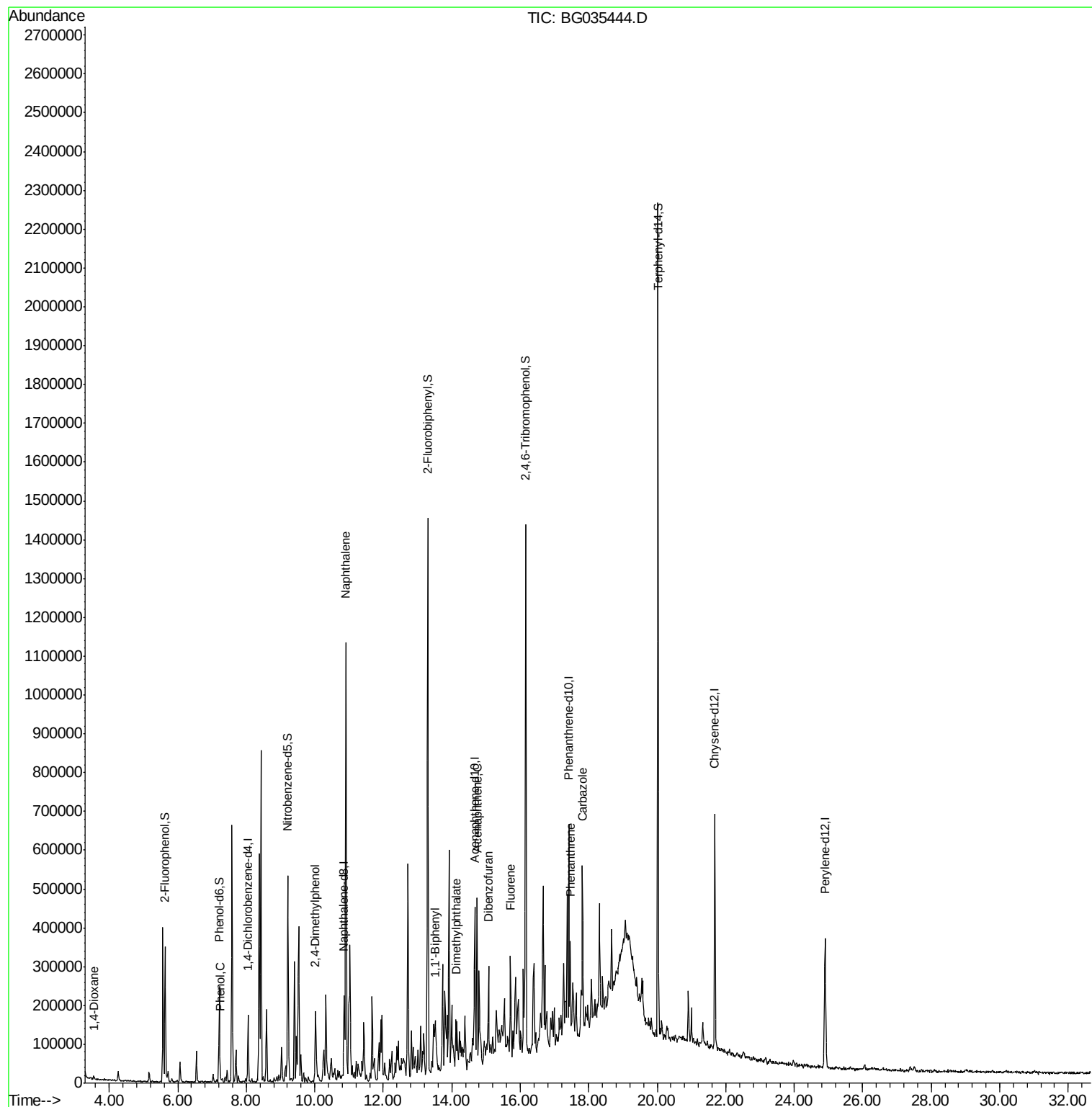
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	48588	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	186453	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	133413	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	339426	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	376692	20.00	ng	-0.04
86) Perylene-d12	24.90	264	364942	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	154425	53.64	ng	-0.01
7) Phenol-d6	7.21	99	147898	34.80	ng	-0.01
23) Nitrobenzene-d5	9.22	82	347211	88.52	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	248489	145.50	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	764819	74.53	ng	-0.03
78) Terphenyl-d14	20.02	244	1028944	57.22	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.55	88	5872	4.275	ng	Qvalue # 72
10) Phenol	7.24	94	9151	2.081	ng	94
27) 2,4-Dimethylphenol	10.02	122	69197	23.778	ng	98
31) Naphthalene	10.91	128	913749	94.337	ng	99
45) 1,1'-Biphenyl	13.50	154	40420	3.768	ng	93
49) Dimethylphthalate	14.12	163	63857	5.489	ng	98
51) Acenaphthene	14.74	154	144919	16.309	ng	97
54) Dibenzofuran	15.07	168	144727	10.875	ng	97
57) Fluorene	15.72	166	99221	8.921	ng	97
70) Phenanthrene	17.46	178	156642	9.085	ng	99
72) Carbazole	17.82	167	242171	15.112	ng	98

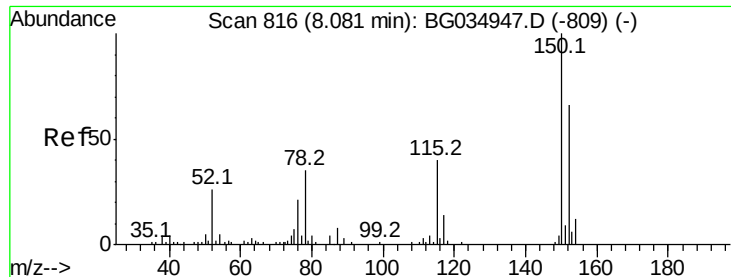
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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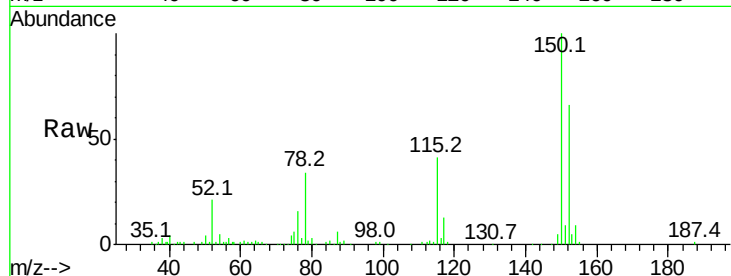


#1

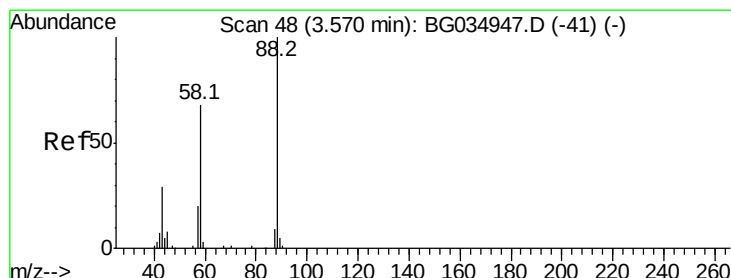
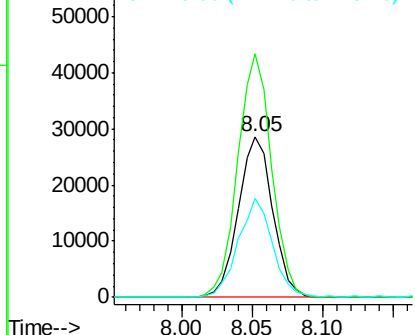
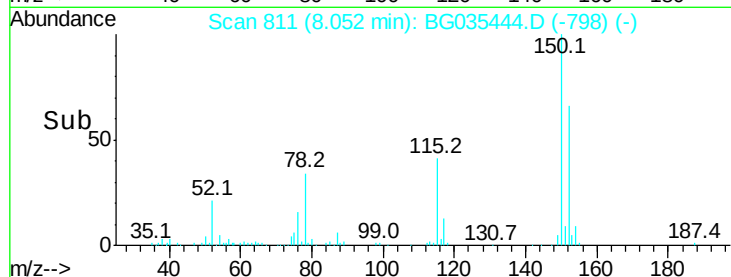
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035444.D
Acq: 27 Jun 2018 13:40

Instrument :
BNA_G
ClientSampleId :
QNWP8-27S-GW

Tot Ion:152 Resp: 48588
Ion Ratio Lower Upper
152 100
150 151.2 126.6 189.8
115 61.7 53.0 79.4



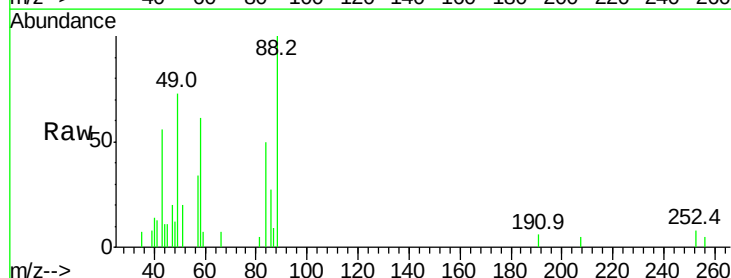
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



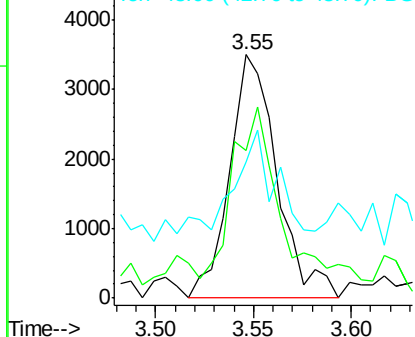
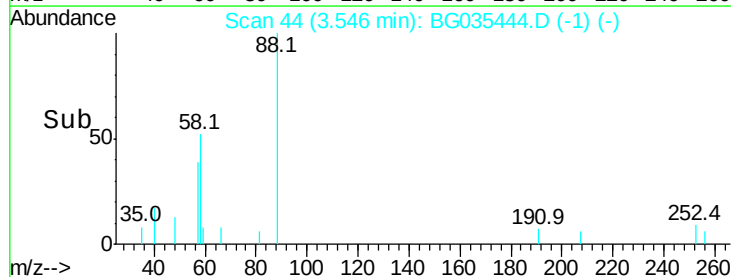
#2

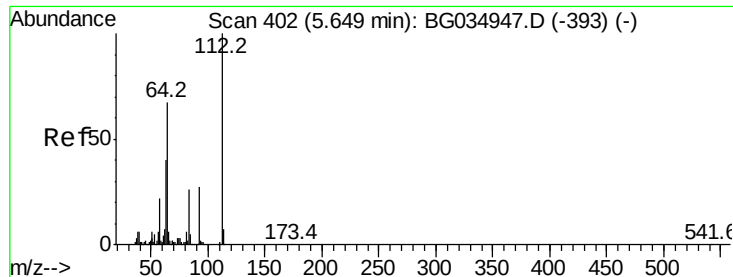
1,4-Dioxane
Concen: 4.275 ng
RT: 3.55 min Scan# 44
Delta R.T. -0.02 min
Lab File: BG035444.D
Acq: 27 Jun 2018 13:40

Tgt Ion: 88 Resp: 5872
Ion Ratio Lower Upper
88 100
58 68.5 79.6 119.4#
43 45.8 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: 53.636 ng

RT: 5.63 min Scan# 399

Delta R.T. -0.01 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

Instrument :

BNA_G

ClientSampleId :

QNWP8-27S-GW

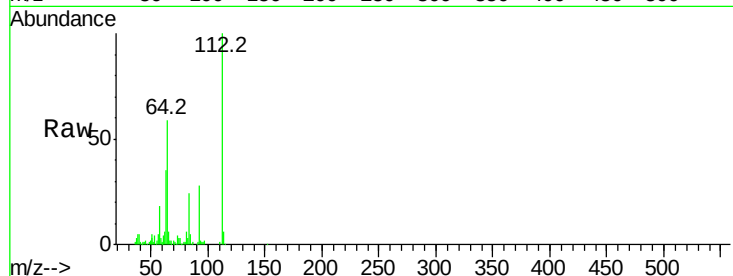
Tot Ion:112 Resp: 154425

Ion Ratio Lower Upper

112 100

64 59.4 56.3 84.5

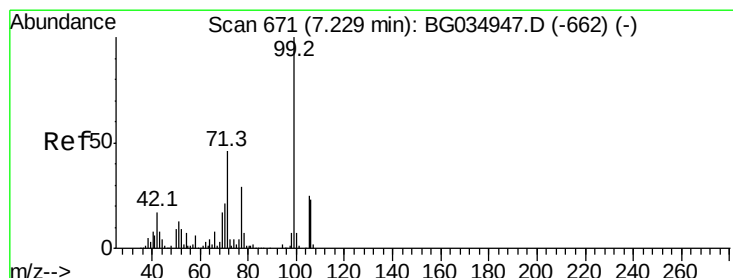
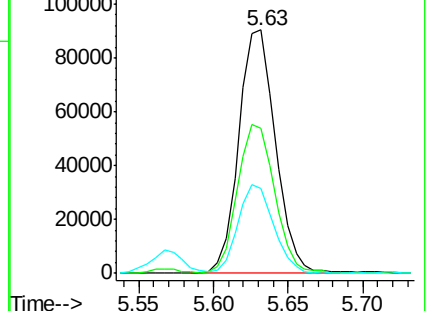
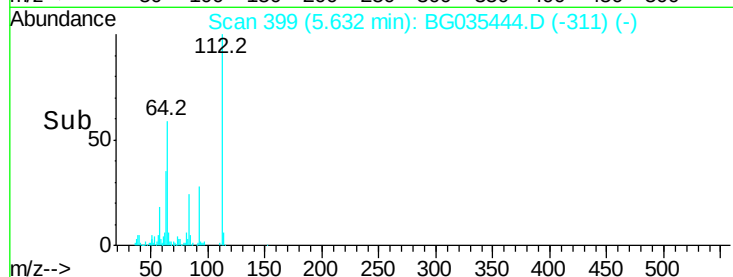
63 34.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 34.805 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

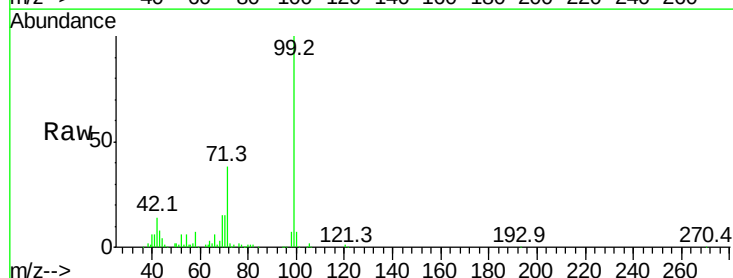
Tgt Ion: 99 Resp: 147898

Ion Ratio Lower Upper

99 100

42 14.2 14.1 21.1

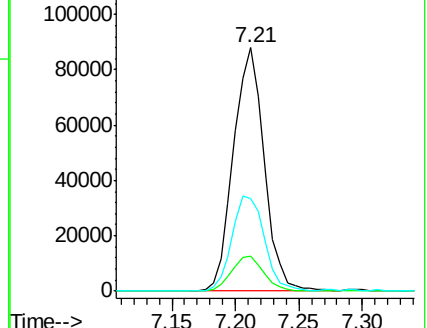
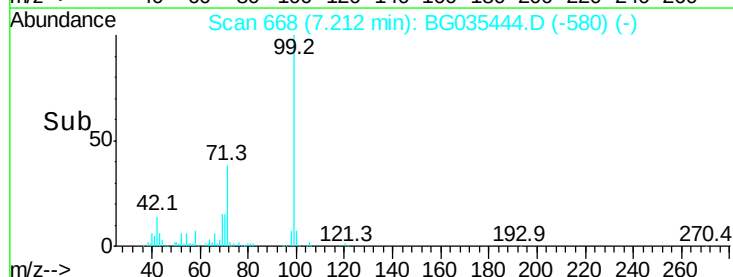
71 38.1 26.1 39.1

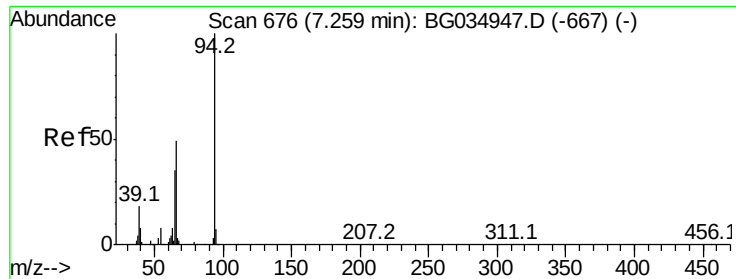


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.081 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.02 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

Instrument :

BNA_G

ClientSampleId :

QNWP8-27S-GW

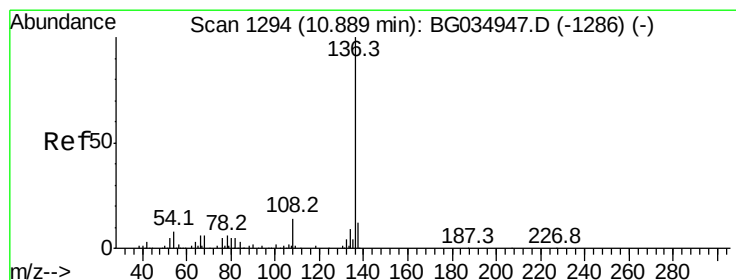
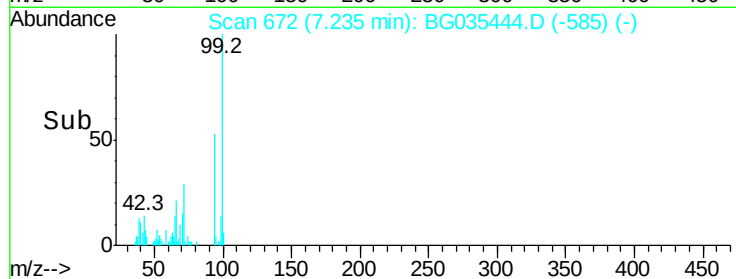
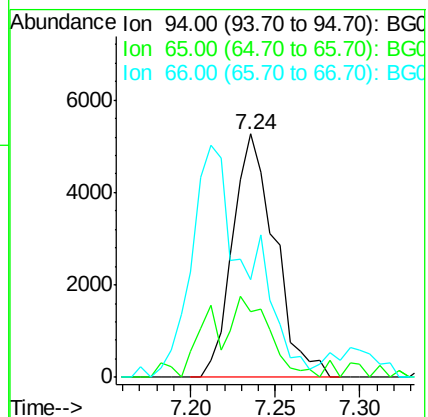
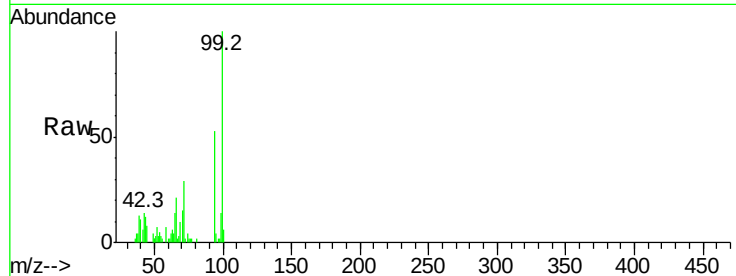
Tot Ion: 94 Resp: 9151

Ion Ratio Lower Upper

94 100

65 26.9 11.9 51.9

66 40.2 22.2 62.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1288

Delta R.T. -0.03 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

Tgt Ion: 136 Resp: 186453

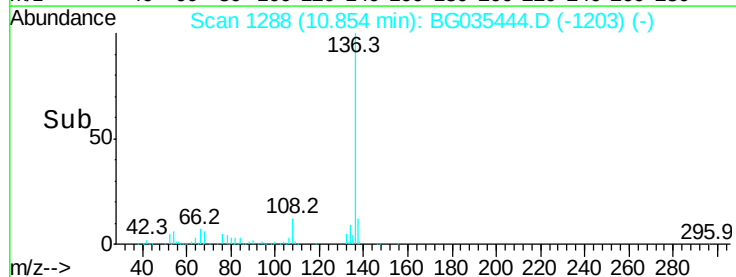
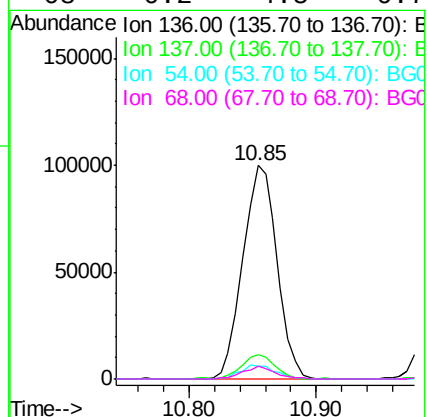
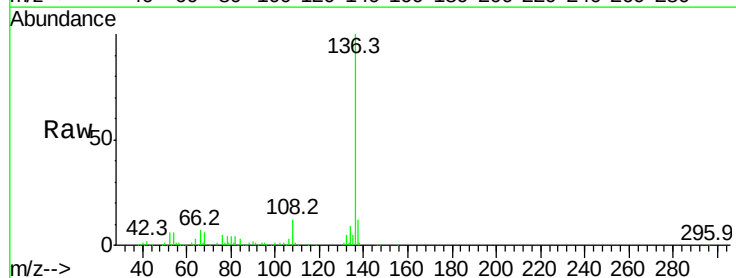
Ion Ratio Lower Upper

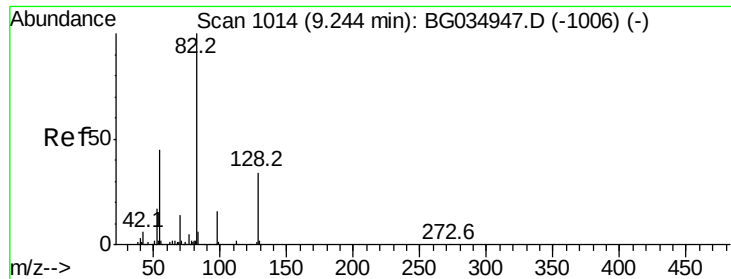
136 100

137 11.7 9.2 13.8

54 6.0 10.3 15.5#

68 6.2 4.5 6.7

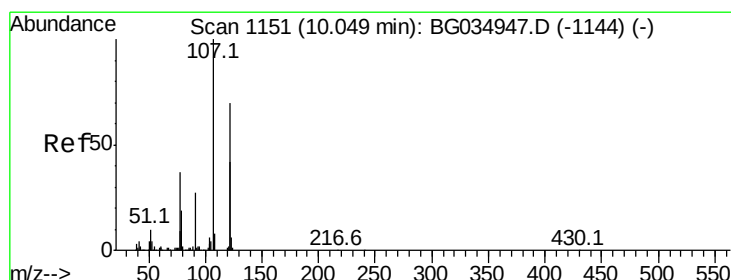
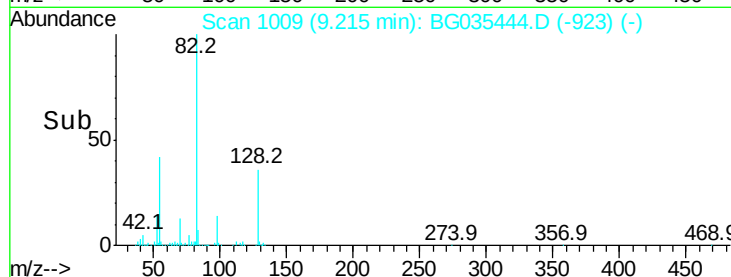
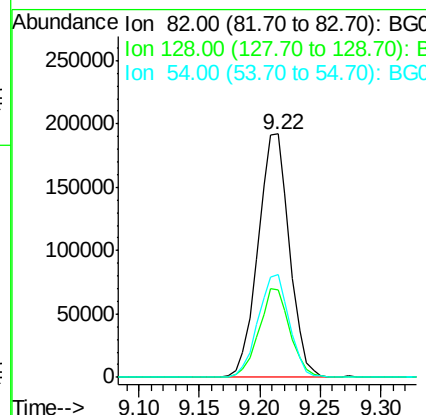
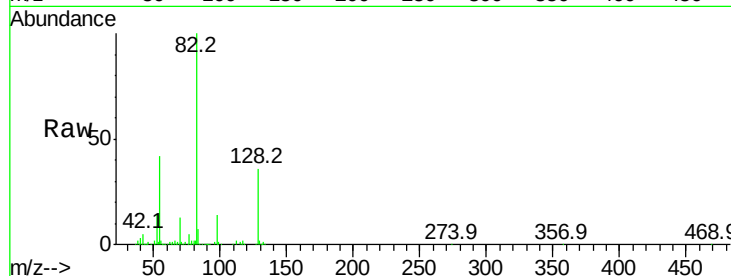




#23
Nitrobenzene-d5
Concen: 88.518 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035444.D
Acq: 27 Jun 2018 13:40

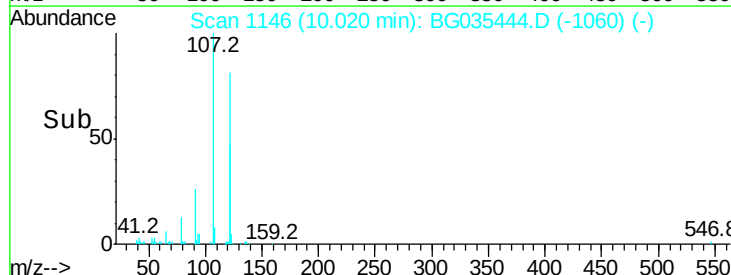
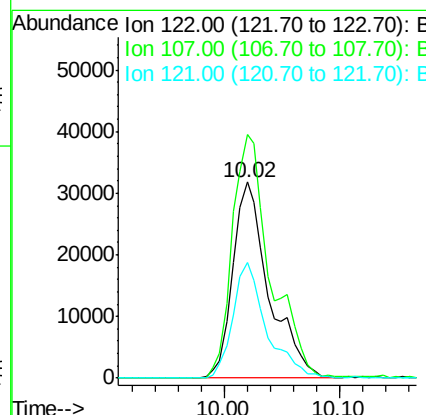
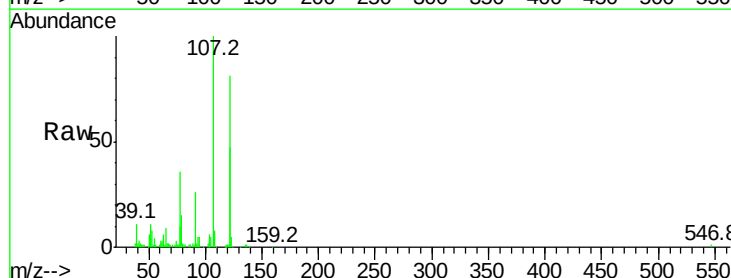
Instrument :
BNA_G
ClientSampleId :
QNWP8-27S-GW

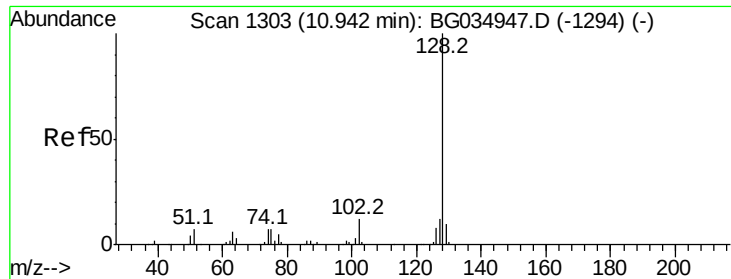
Tot Ion	82	Resp	347211
Ion	Ratio	Lower	Upper
82	100		
128	36.1	29.7	44.5
54	42.2	43.1	64.7#



#27
2,4-Dimethylphenol
Concen: 23.778 ng
RT: 10.02 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BG035444.D
Acq: 27 Jun 2018 13:40

Tgt Ion	122	Resp	69197
Ion	Ratio	Lower	Upper
122	100		
107	124.1	100.2	150.2
121	58.9	44.4	66.6

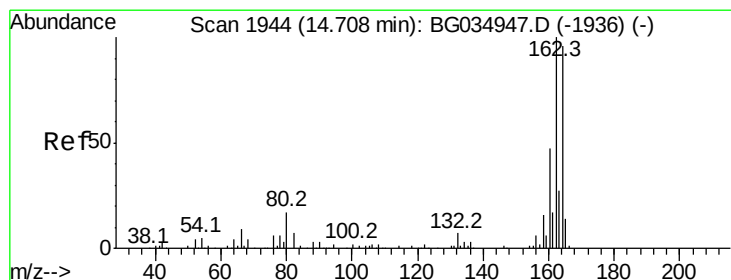
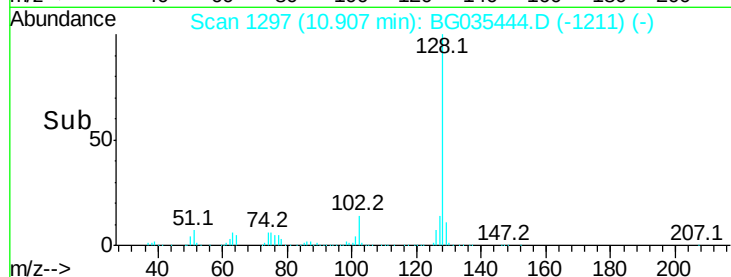
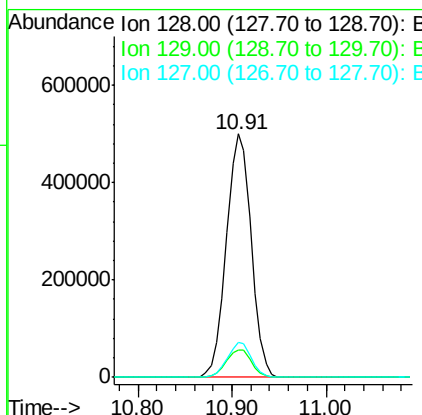
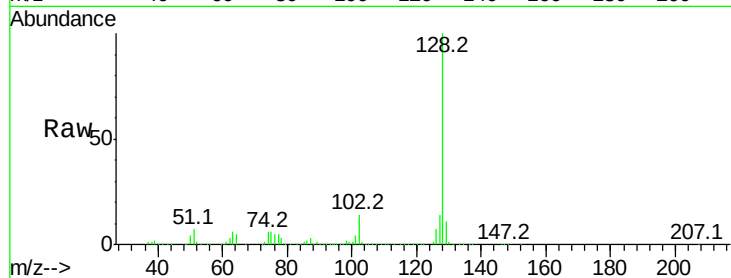




#31
Naphthalene
Concen: 94.337 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BG035444.D
Acq: 27 Jun 2018 13:40

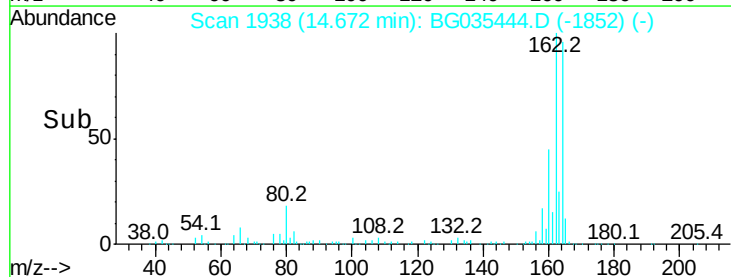
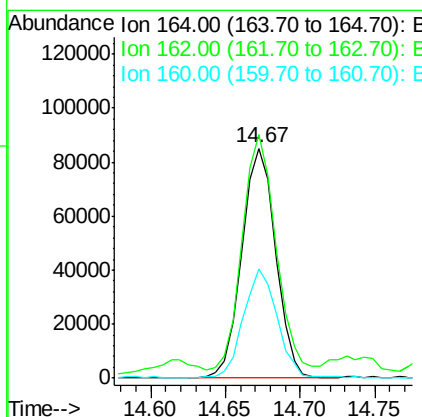
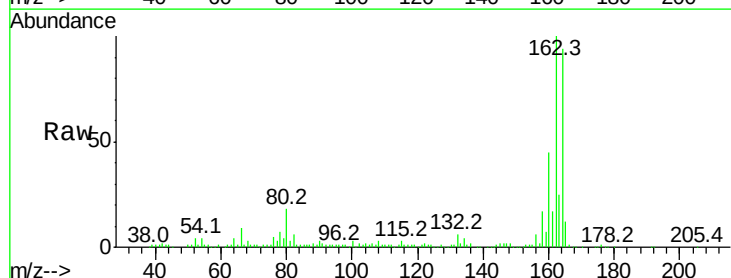
Instrument :
BNA_G
ClientSampleId :
QNWP8-27S-GW

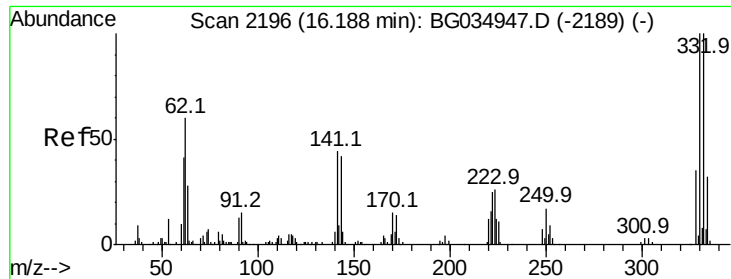
Tot Ion:128 Resp: 913749
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 14.3 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.02 min
Lab File: BG035444.D
Acq: 27 Jun 2018 13:40

Tgt Ion:164 Resp: 133413
Ion Ratio Lower Upper
164 100
162 105.9 78.8 118.2
160 47.5 35.4 53.0

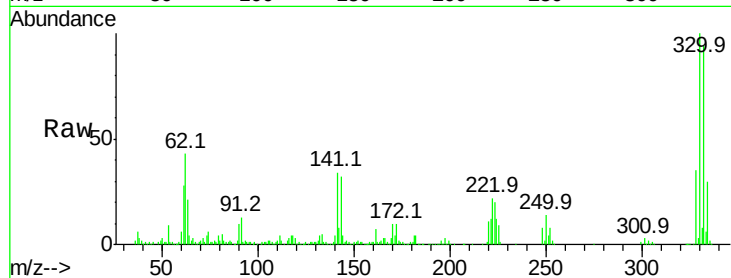




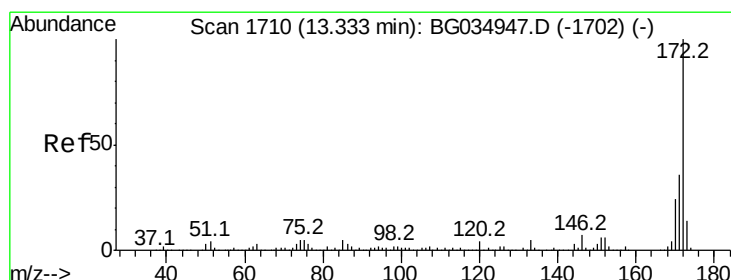
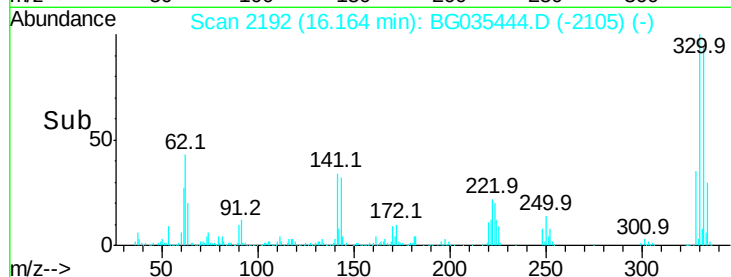
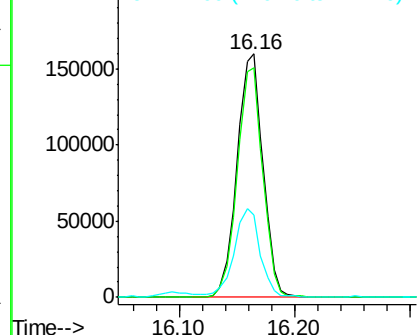
#41
 2,4,6-Tribromophenol
 Concen: 145.498 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BG035444.D
 Acq: 27 Jun 2018 13:40

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-27S-GW

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.8	77.0	115.6
141	36.2	25.2	37.8

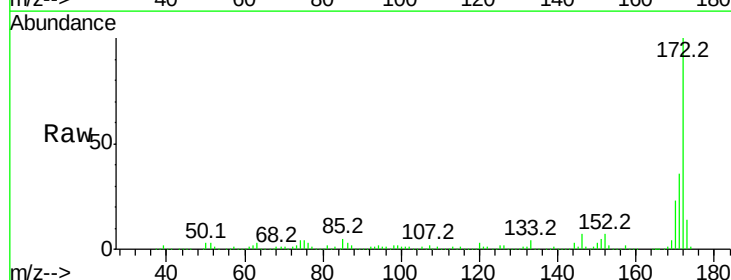


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

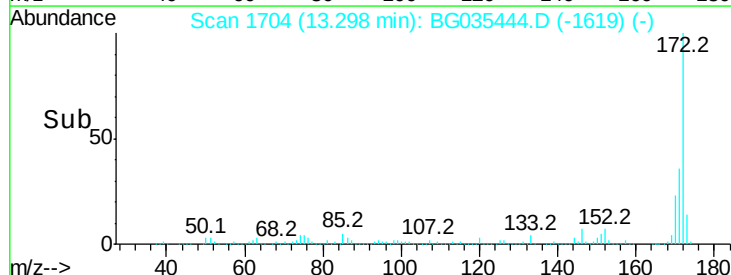
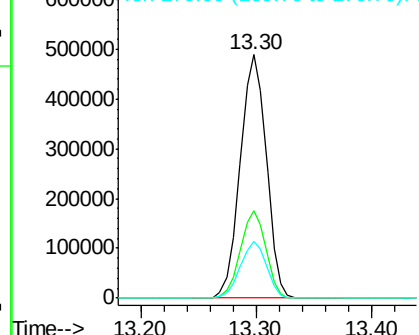


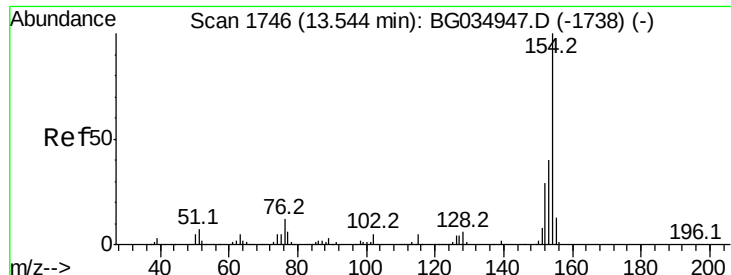
#44
 2-Fluorobiphenyl
 Concen: 74.525 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035444.D
 Acq: 27 Jun 2018 13:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.0	45.0
170	23.3	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





#45

1,1'-Biphenyl

Concen: 3.768 ng

RT: 13.50 min Scan# 1739

Delta R.T. -0.03 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

Instrument :

BNA_G

ClientSampleId :

QNWP8-27S-GW

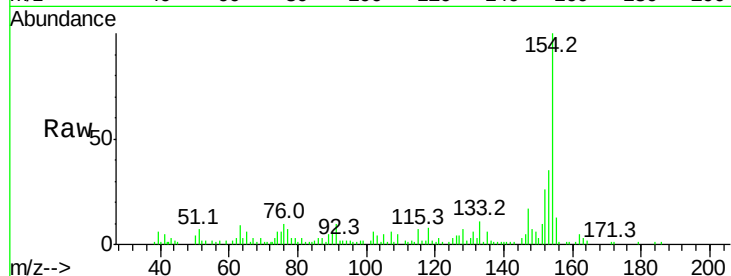
Tot Ion:154 Resp: 40420

Ion Ratio Lower Upper

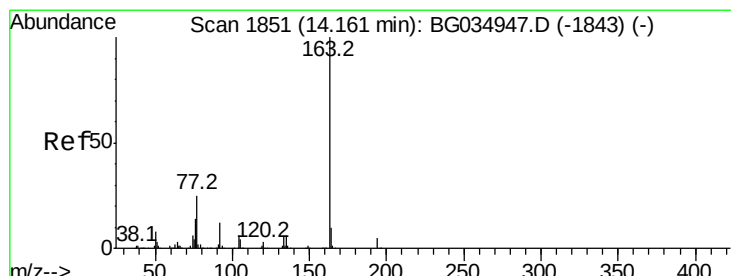
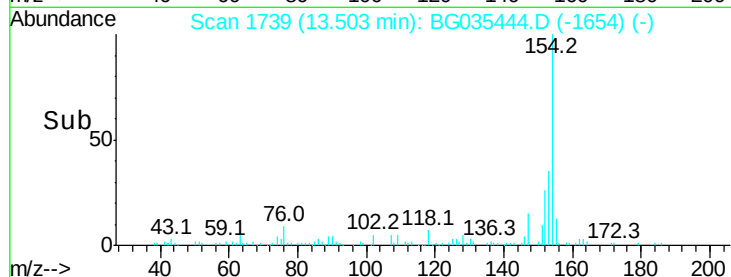
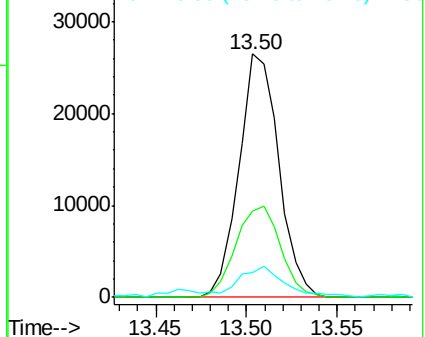
154 100

153 35.4 19.8 59.8

76 10.1 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC



#49

Dimethylphthalate

Concen: 5.489 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.04 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

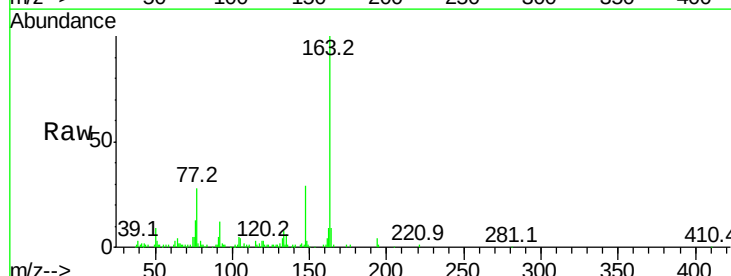
Tgt Ion:163 Resp: 63857

Ion Ratio Lower Upper

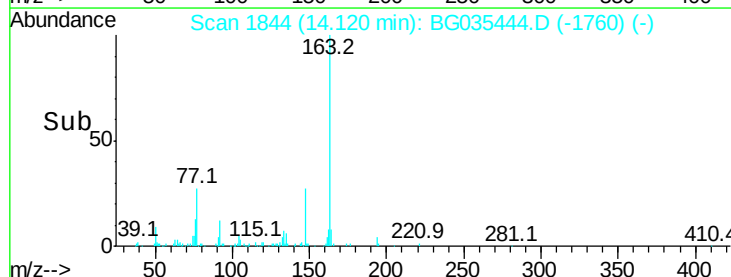
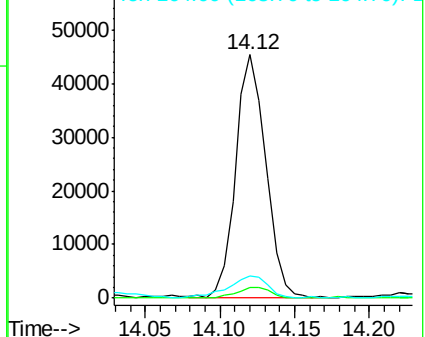
163 100

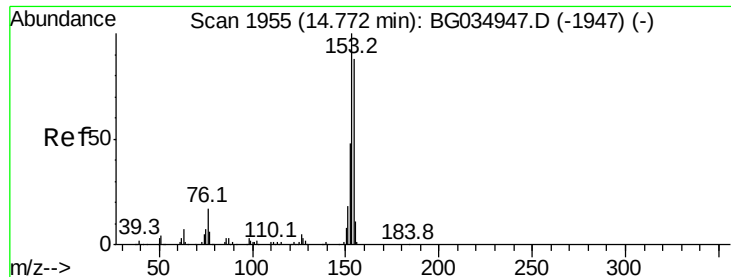
194 4.3 3.4 5.2

164 9.1 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 16.309 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

Instrument :

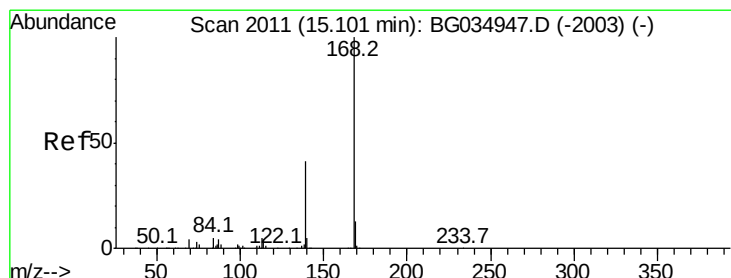
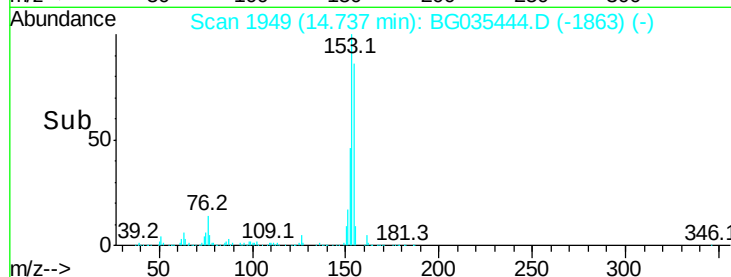
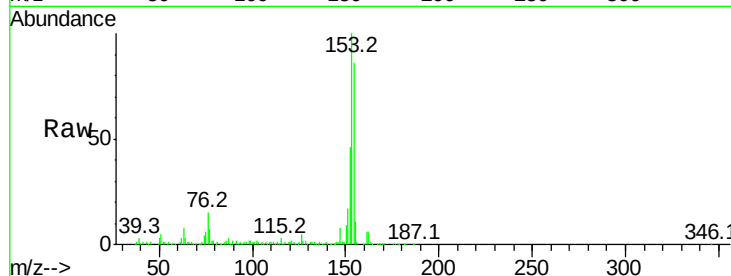
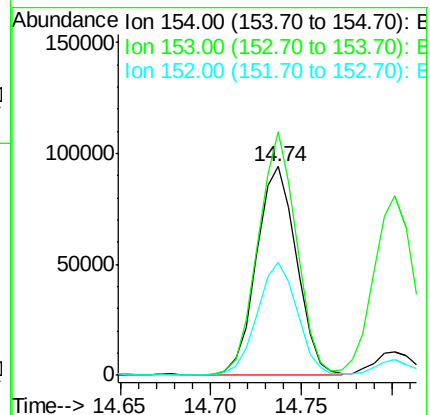
BNA_G

ClientSampleId :

QNWP8-27S-GW

Tot Ion:154 Resp: 144919

Ion	Ratio	Lower	Upper
154	100		
153	116.8	90.4	135.6
152	54.0	41.6	62.4



#54

Dibenzofuran

Concen: 10.875 ng

RT: 15.07 min Scan# 2006

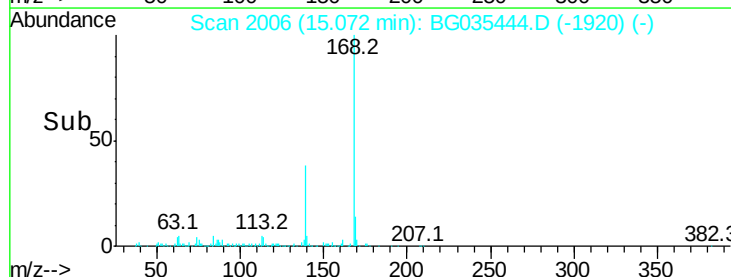
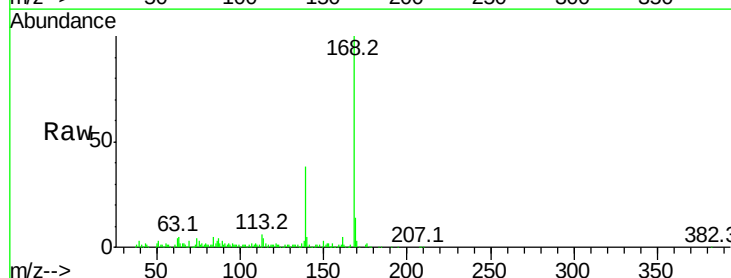
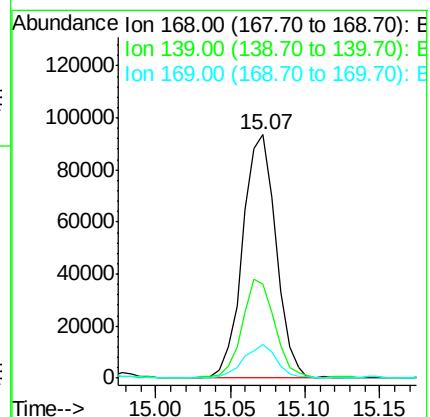
Delta R.T. -0.02 min

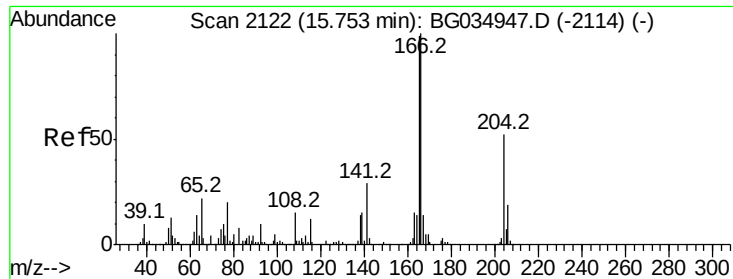
Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

Tgt Ion:168 Resp: 144727

Ion	Ratio	Lower	Upper
168	100		
139	38.3	28.6	43.0
169	13.8	11.2	16.8





#57

Fluorene

Concen: 8.921 ng

RT: 15.72 min Scan# 2116

Delta R.T. -0.02 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

Instrument :

BNA_G

ClientSampleId :

QNWP8-27S-GW

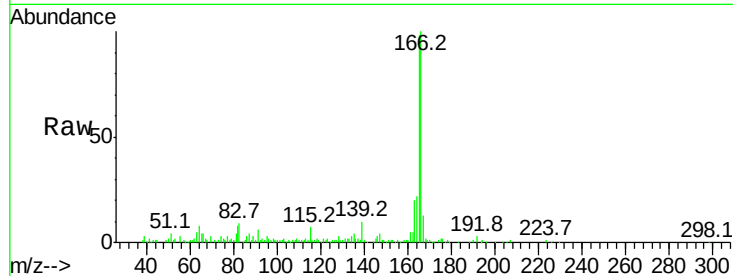
Tot Ion:166 Resp: 99221

Ion Ratio Lower Upper

166 100

165 97.6 80.6 121.0

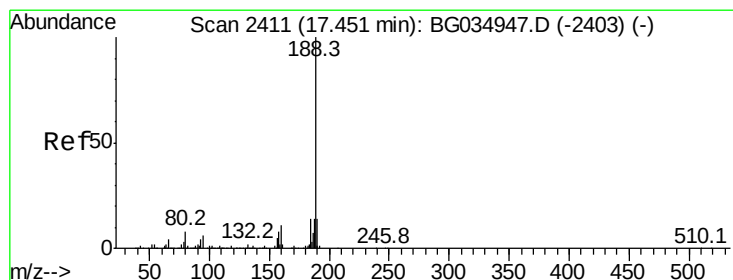
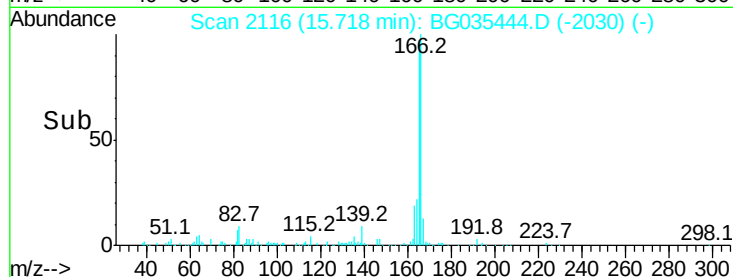
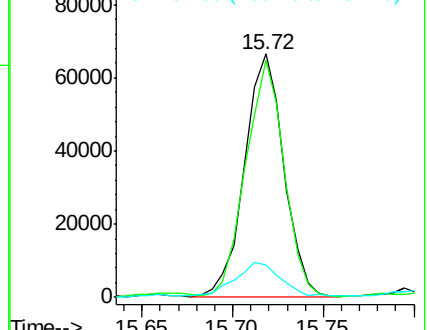
167 13.2 10.4 15.6



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: BG035444.D

Acq: 27 Jun 2018 13:40

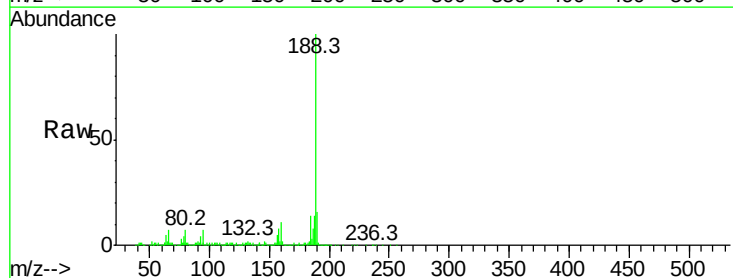
Tgt Ion:188 Resp: 339426

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

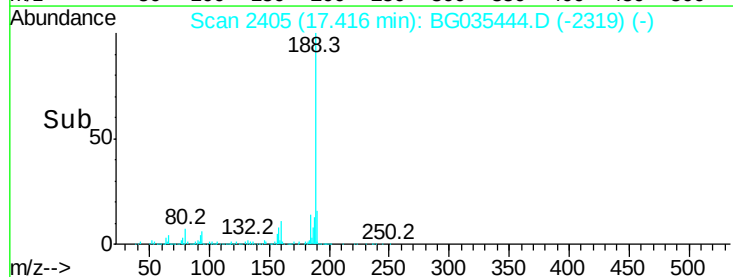
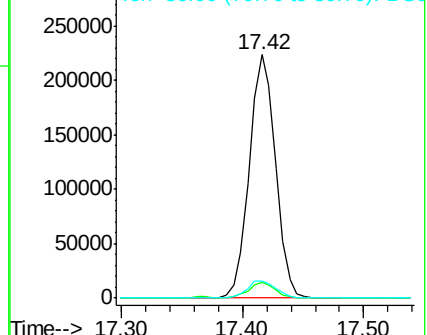
80 6.8 7.7 11.5#

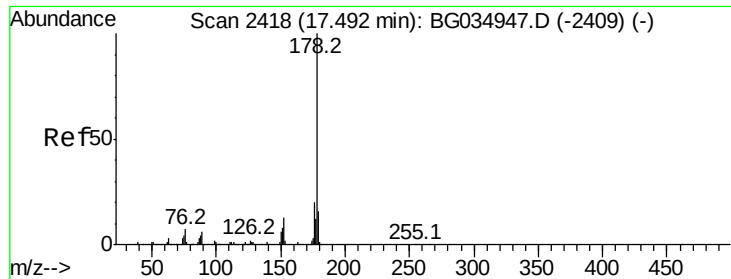


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 9.085 ng

RT: 17.46 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

Instrument :

BNA_G

ClientSampleId :

QNWP8-27S-GW

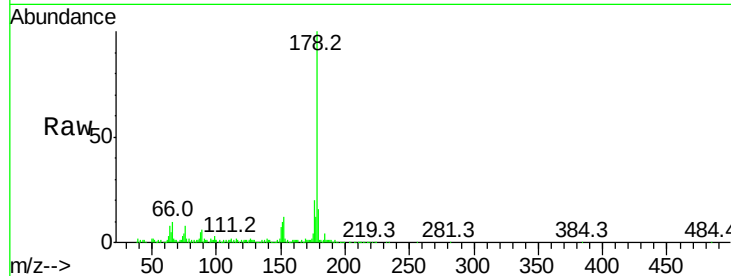
Tot Ion:178 Resp: 156642

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

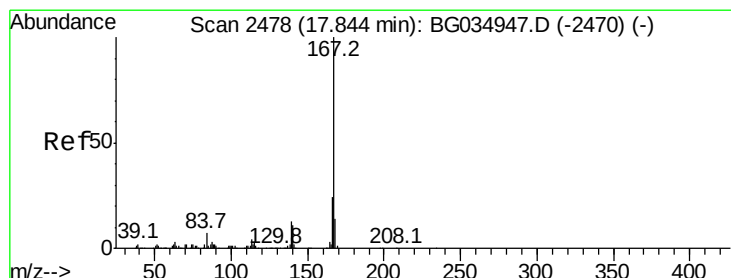
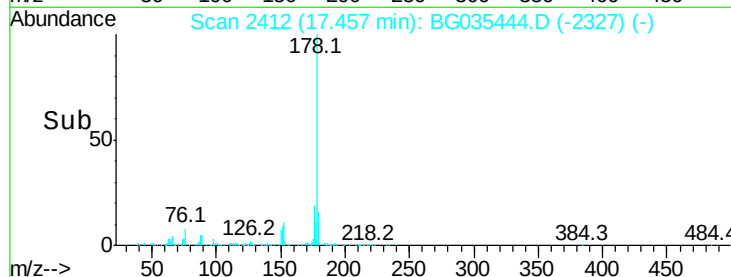
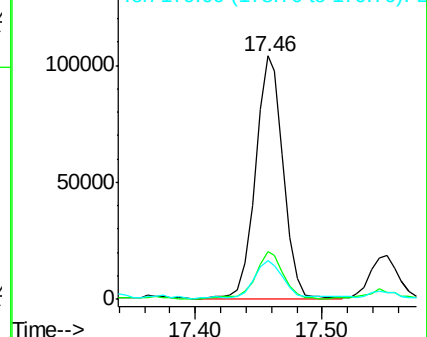
179 16.1 12.5 18.7



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: 15.112 ng

RT: 17.82 min Scan# 2473

Delta R.T. -0.02 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

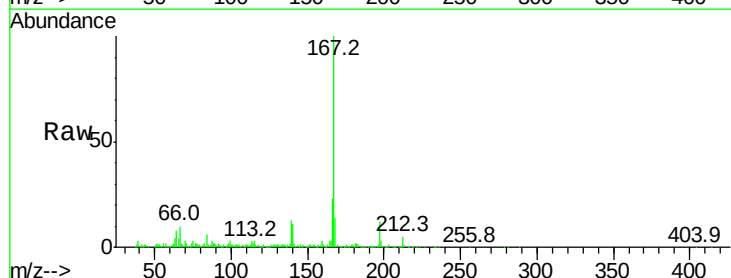
Tgt Ion:167 Resp: 242171

Ion Ratio Lower Upper

167 100

166 22.6 18.2 27.4

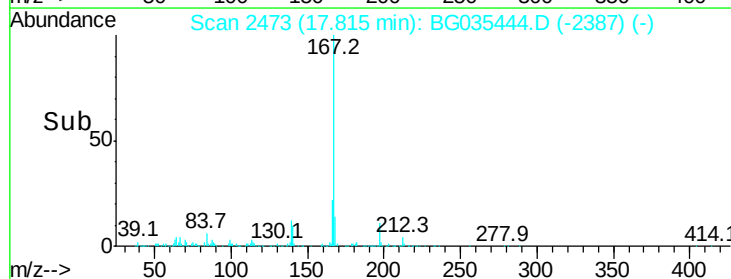
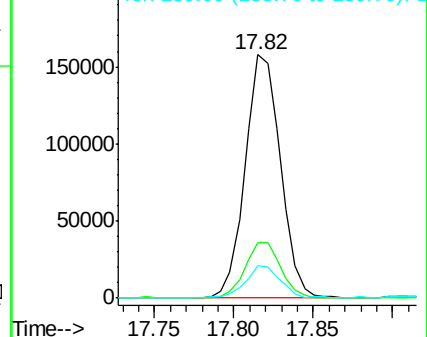
139 13.3 9.4 14.2

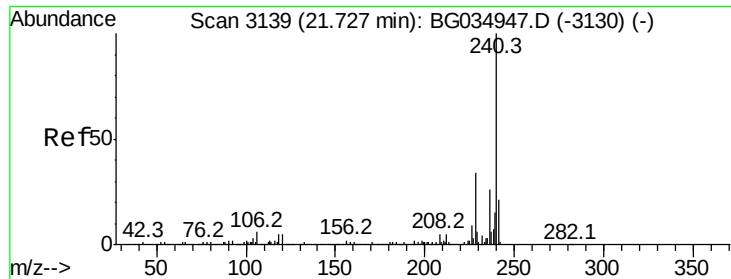


Abundance Ion 167.00 (166.70 to 167.70): E

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: 21.68 min Scan# 3131

Delta R.T. -0.04 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

Instrument :

BNA_G

ClientSampleId :

QNWP8-27S-GW

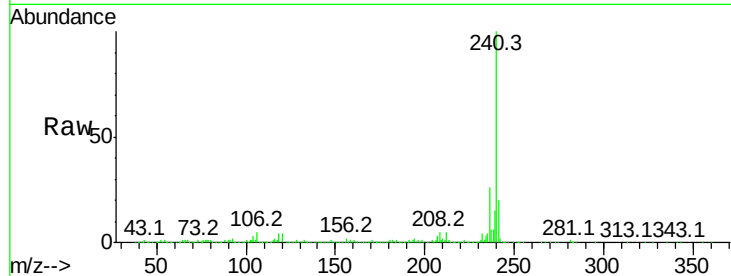
Tot Ion:240 Resp: 376692

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

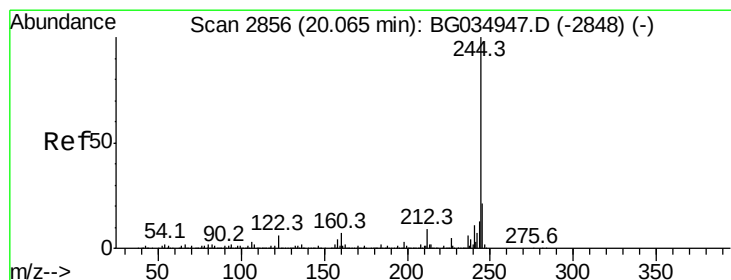
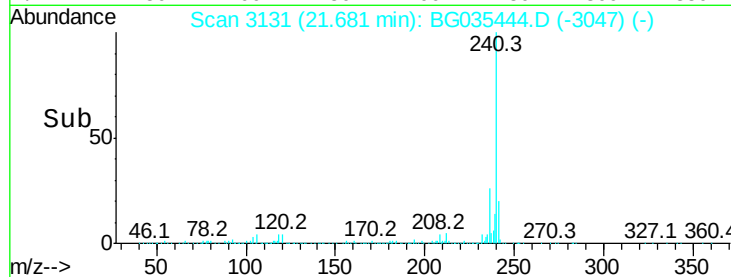
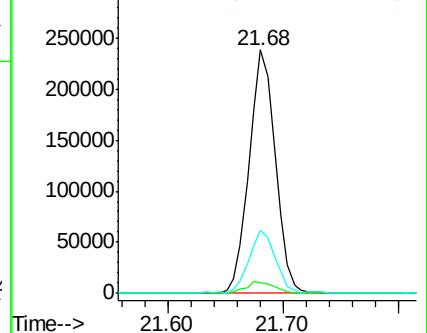
236 25.7 20.9 31.3



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: 57.217 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035444.D

Acq: 27 Jun 2018 13:40

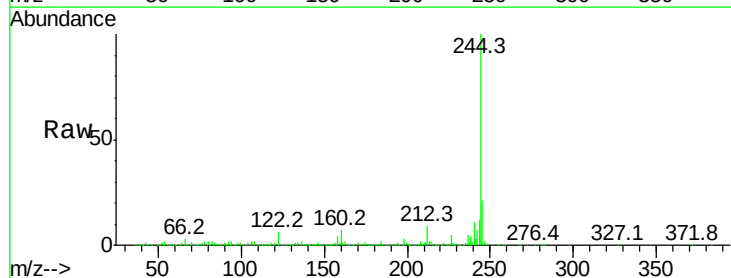
Tgt Ion:244 Resp: 1028944

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

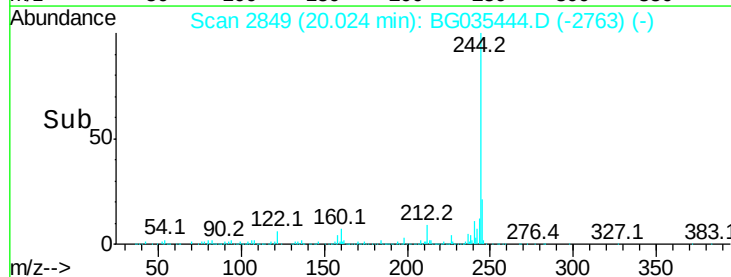
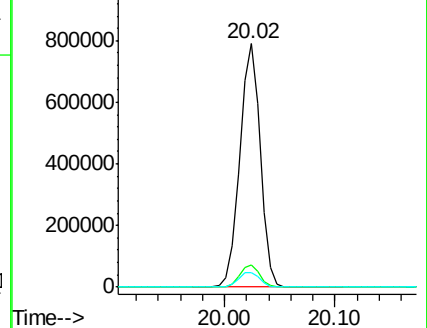
122 6.0 7.0 10.4#

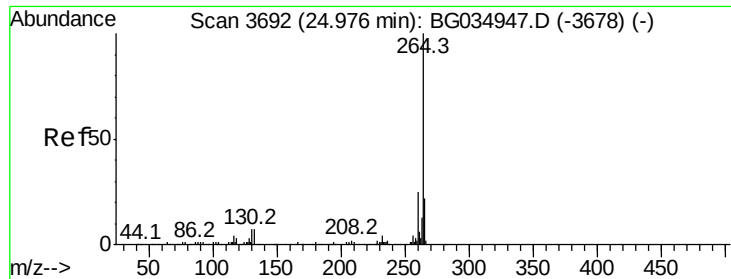


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

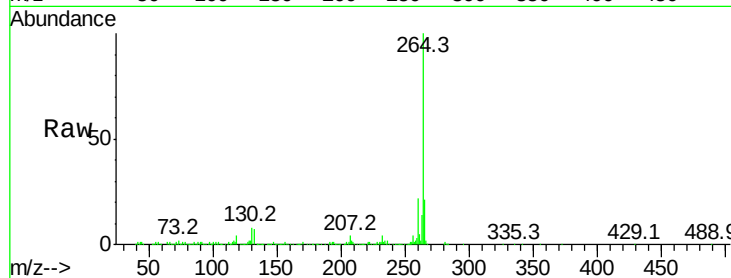




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.05 min
Lab File: BG035444.D
Acq: 27 Jun 2018 13:40

Instrument :
BNA_G
ClientSampleId :
QNWP8-27S-GW

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.4	26.0
265	20.7	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

