

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071618\
 Data File : BG035667.D
 Acq On : 16 Jul 2018 13:22
 Operator : JU/SJ
 Sample : J3928-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Quant Time: Jul 16 13:58:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	54852	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	203643	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	149172	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	372924	20.00	ng	0.00
75) Chrysene-d12	21.69	240	396644	20.00	ng	0.00
86) Perylene-d12	24.91	264	391139	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	211697	64.08	ng	0.00
7) Phenol-d6	7.22	99	192508	39.05	ng	0.00
23) Nitrobenzene-d5	9.22	82	473524	97.14	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	295018	150.05	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1039721	93.38	ng	0.00
78) Terphenyl-d14	20.02	244	1584220	88.04	ng	0.00

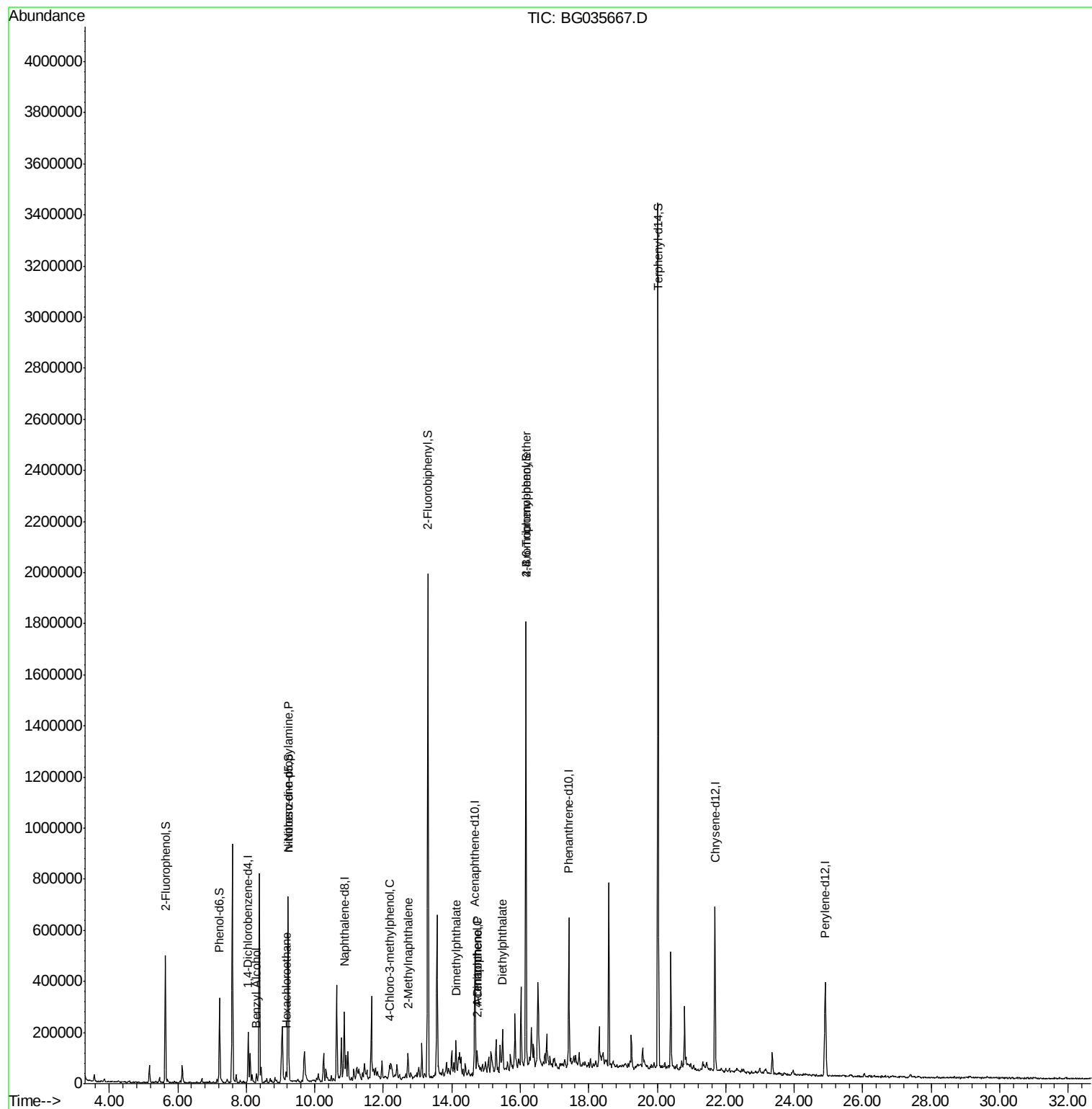
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.30	79	16456	3.676	ng	91
18) Hexachloroethane	9.17	117	7307	4.635	ng	# 28
19) n-Nitroso-di-n-propylamine	9.22	70	68287	16.451	ng	# 68
36) 4-Chloro-3-methylphenol	12.19	107	10627	2.357	ng	# 22
37) 2-Methylnaphthalene	12.73	142	38570	4.880	ng	# 93
49) Dimethylphthalate	14.12	163	72059	5.513	ng	# 99
51) Acenaphthene	14.74	154	19648	2.093	ng	93
53) 2,4-Dinitrophenol	14.77	184	61	6.623	ng	# 1
59) Diethylphthalate	15.48	149	57241	4.259	ng	96
66) 4-Bromophenyl-phenylether	16.17	248	25764	5.955	ng	# 1

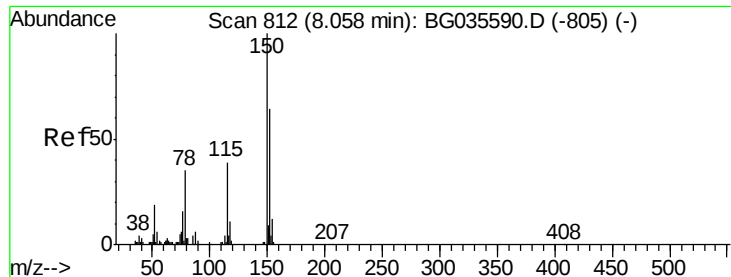
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 16 13:58:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 12 14:43:32 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 812

Delta R.T. -0.00 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

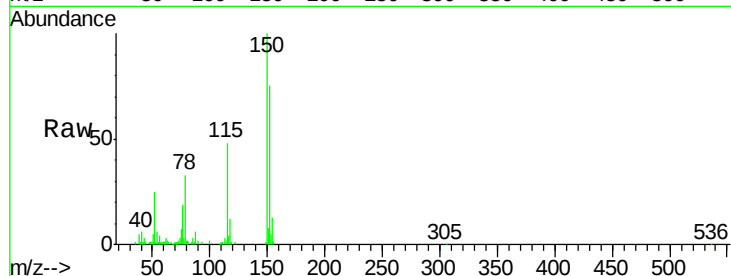
Tgt Ion:152 Resp: 54852

Ion Ratio Lower Upper

152 100

150 134.1 126.6 189.8

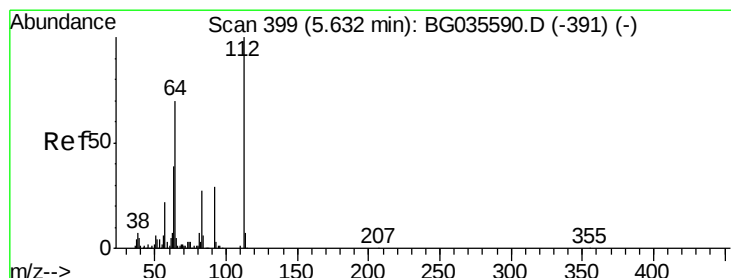
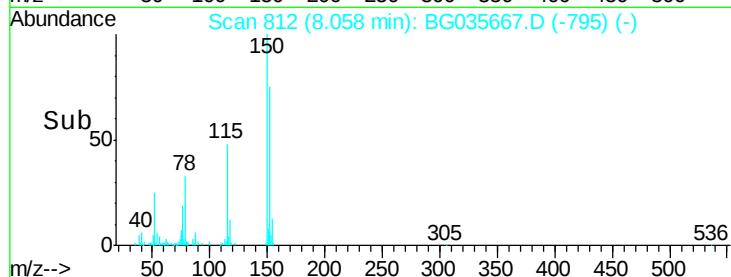
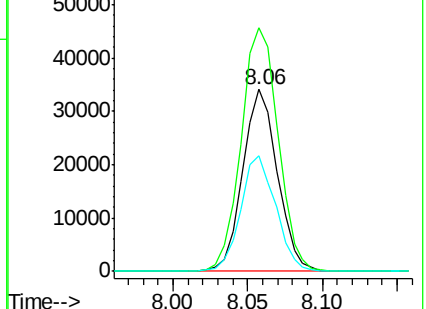
115 63.8 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 64.075 ng

RT: 5.64 min Scan# 400

Delta R.T. 0.00 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

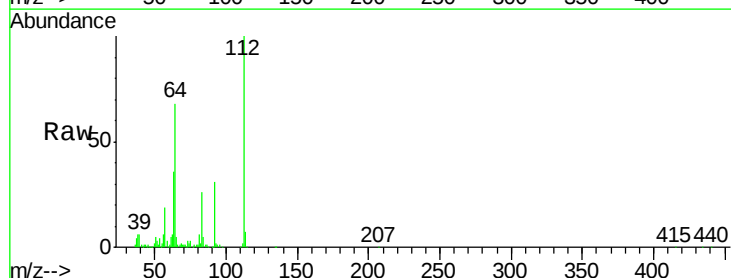
Tgt Ion:112 Resp: 211697

Ion Ratio Lower Upper

112 100

64 67.9 56.3 84.5

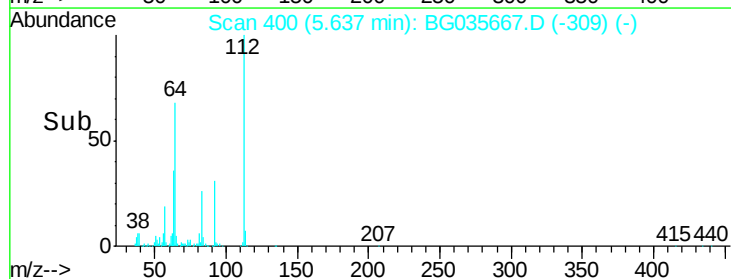
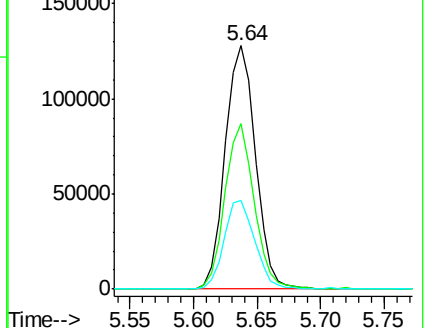
63 36.4 30.1 45.1

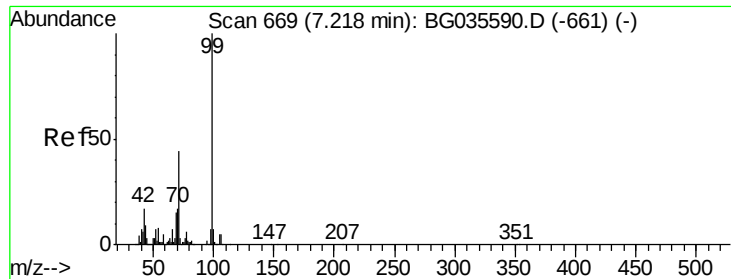


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 39.054 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

Instrument :

BNA_G

ClientSampled :

GROUNDWATER

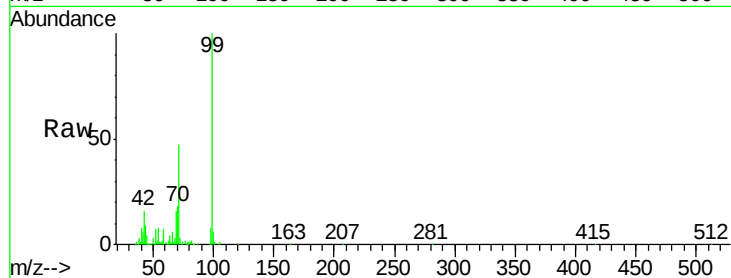
Tgt Ion: 99 Resp: 192508

Ion Ratio Lower Upper

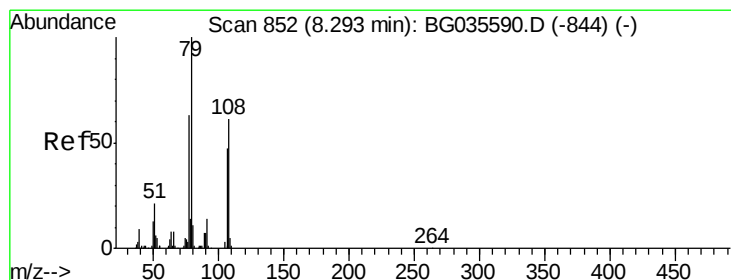
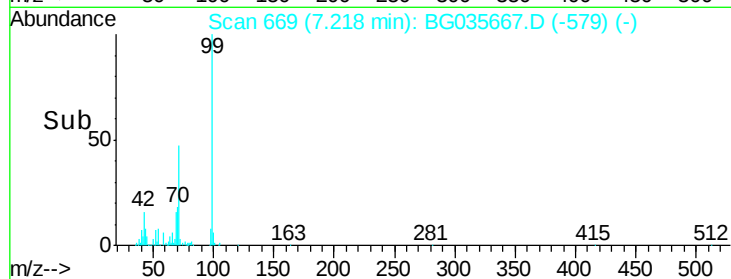
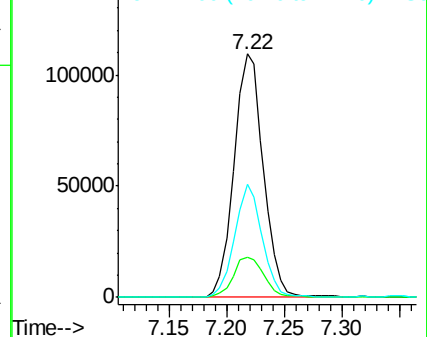
99 100

42 16.4 14.1 21.1

71 46.5 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 3.676 ng

RT: 8.30 min Scan# 853

Delta R.T. 0.00 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

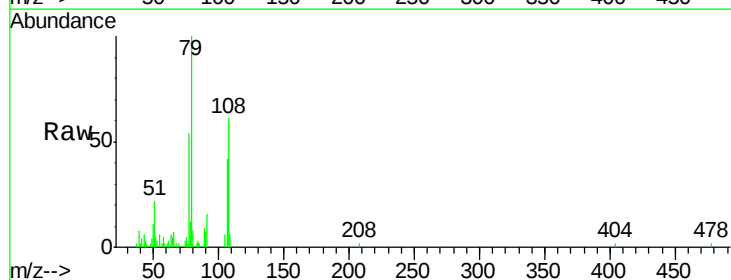
Tgt Ion: 79 Resp: 16456

Ion Ratio Lower Upper

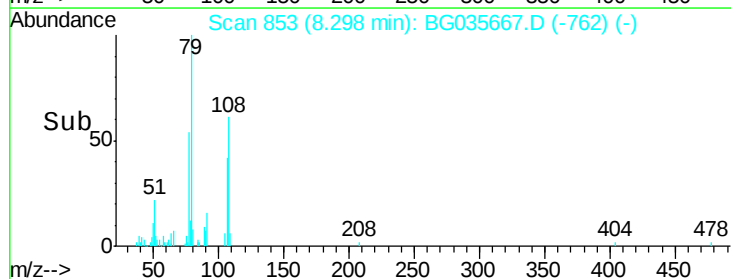
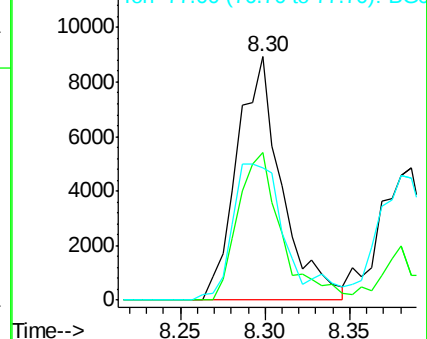
79 100

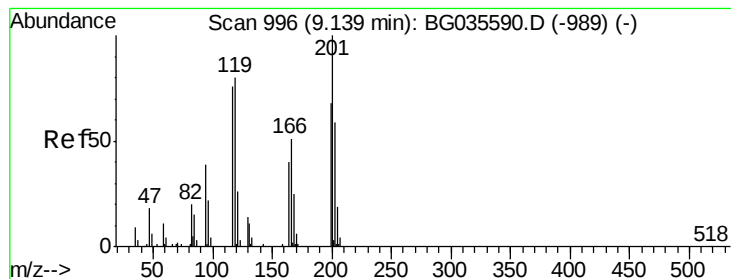
108 60.5 57.2 85.8

77 54.3 46.1 69.1



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





#18

Hexachloroethane

Concen: 4.635 ng

RT: 9.17 min Scan# 1002

Delta R.T. 0.03 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

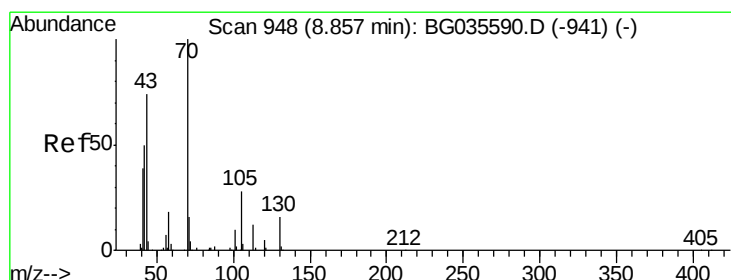
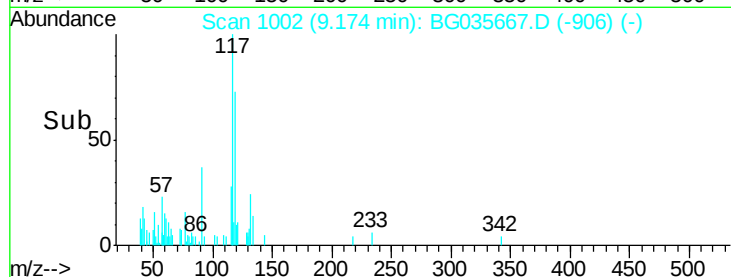
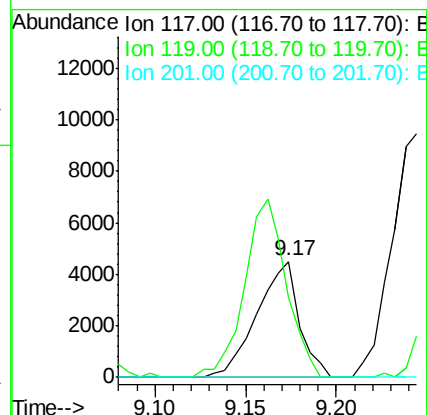
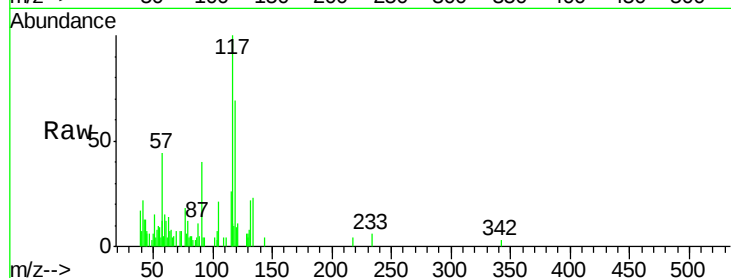
Tgt Ion:117 Resp: 7307

Ion Ratio Lower Upper

117 100

119 69.0 76.7 115.1#

201 0.0 95.7 143.5#



#19

n-Nitroso-di-n-propylamine

Concen: 16.451 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.36 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

Tgt Ion: 70 Resp: 68287

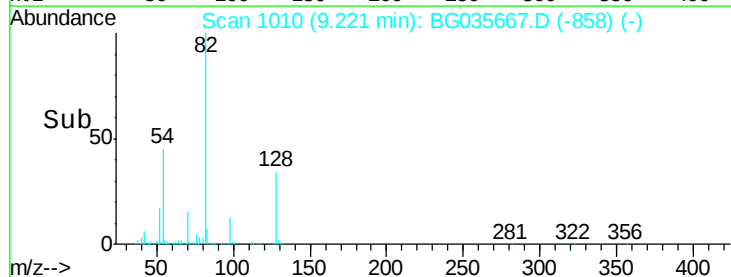
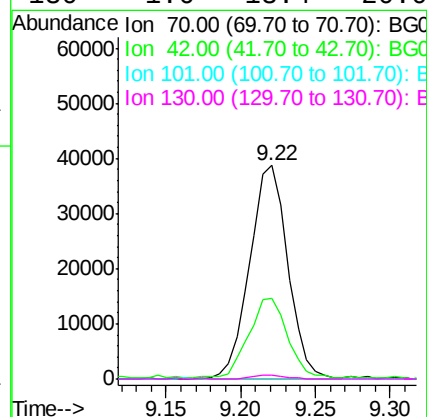
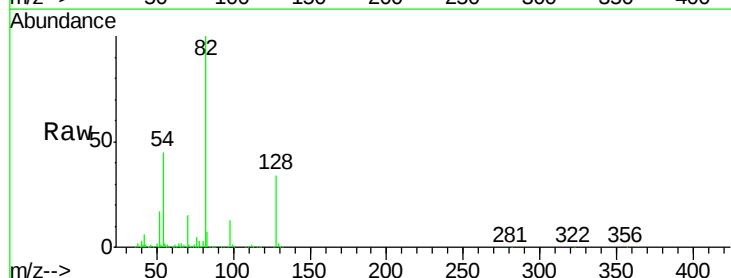
Ion Ratio Lower Upper

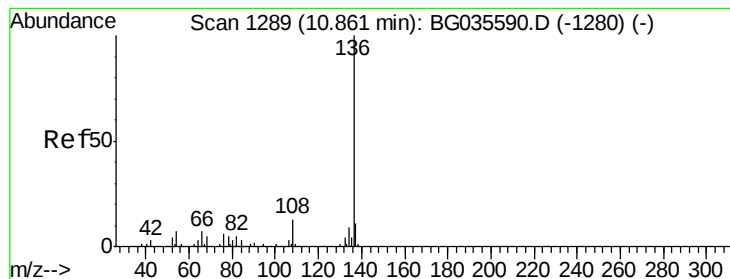
70 100

42 37.5 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

Tgt Ion:136 Resp: 203643

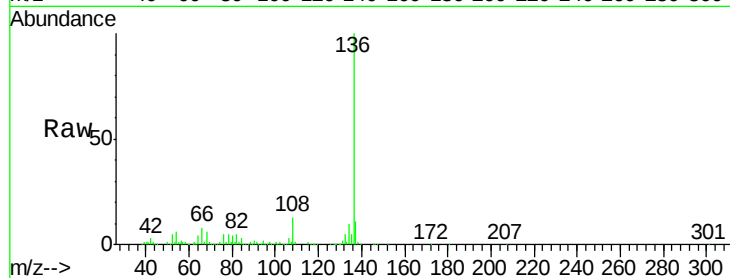
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 6.4 10.3 15.5#

68 6.0 4.5 6.7

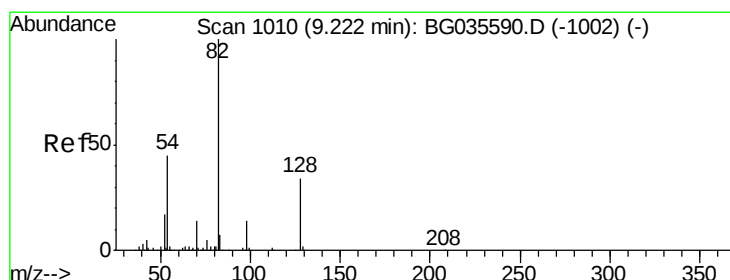
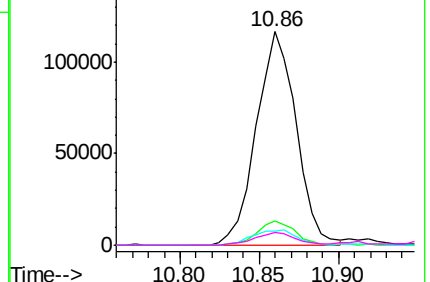
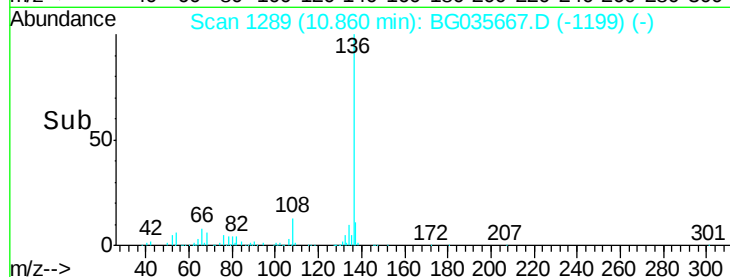


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 97.137 ng

RT: 9.22 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

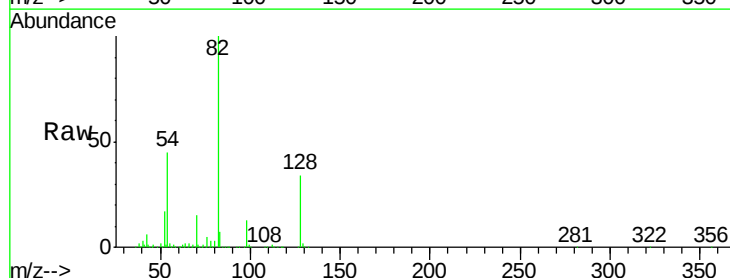
Tgt Ion: 82 Resp: 473524

Ion Ratio Lower Upper

82 100

128 34.4 29.7 44.5

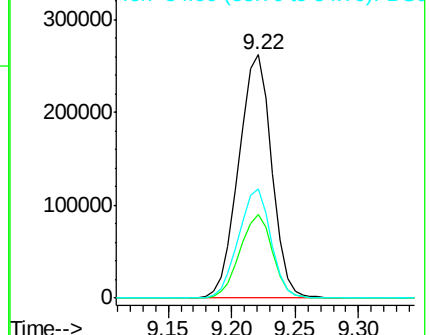
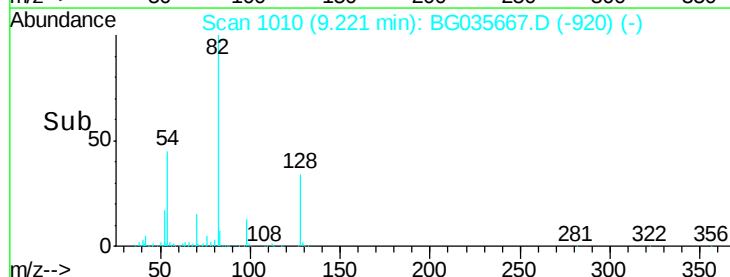
54 45.0 43.1 64.7

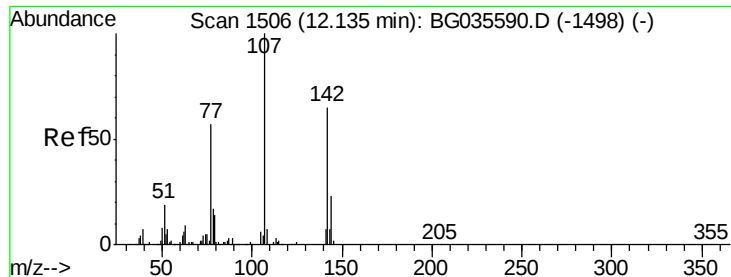


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

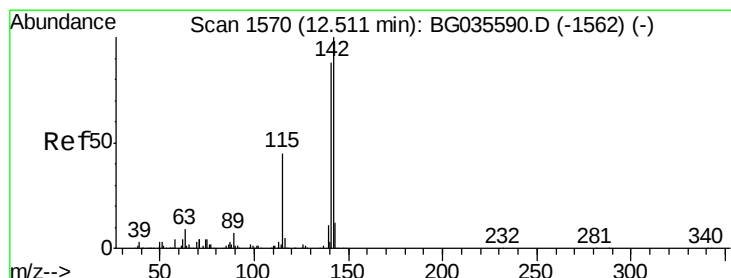
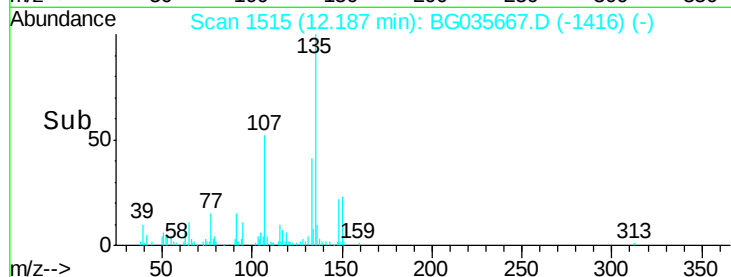
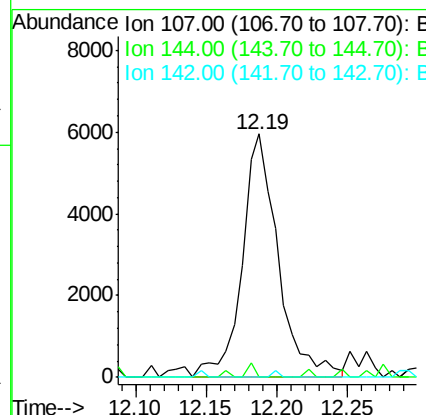
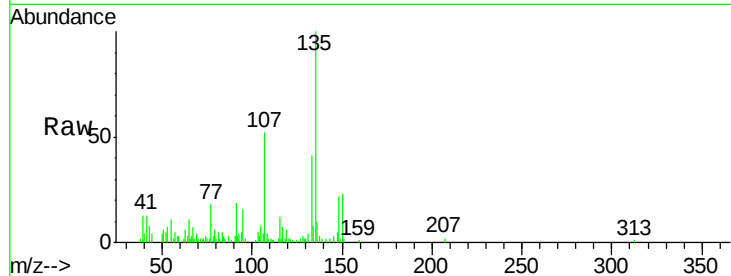




#36
 4-Chloro-3-methylphenol
 Concen: 2.357 ng
 RT: 12.19 min Scan# 1515
 Delta R.T. 0.05 min
 Lab File: BG035667.D
 Acq: 16 Jul 2018 13:22

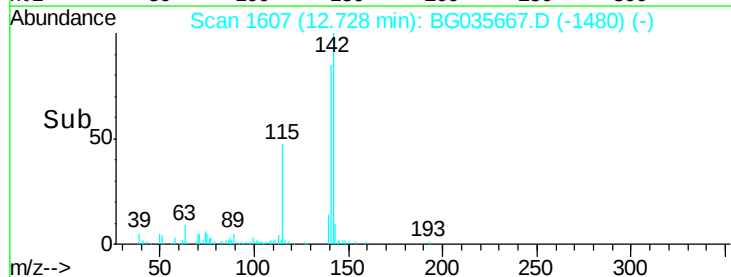
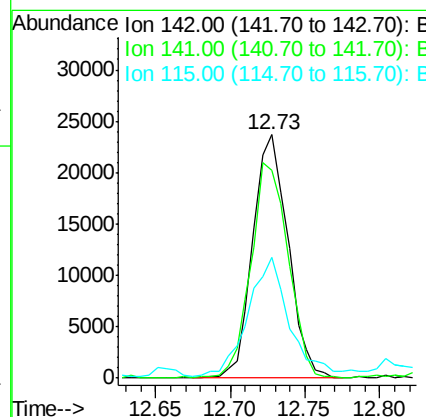
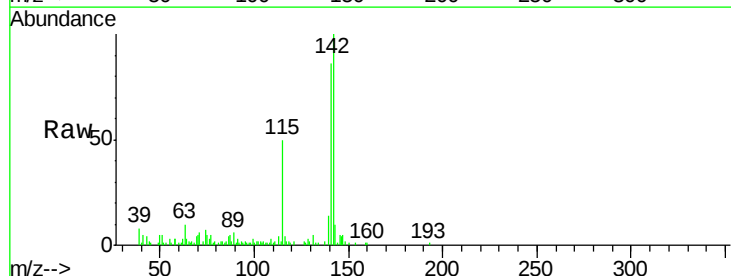
Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

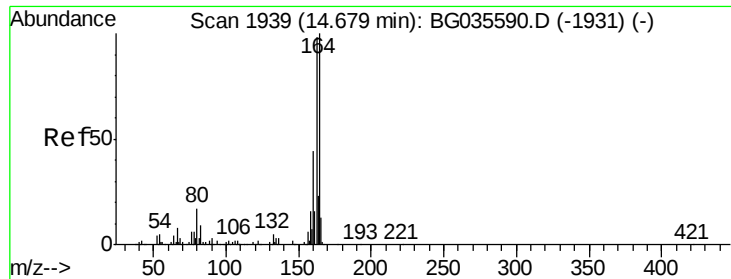
Tgt Ion	Ratio	Lower	Upper
107	100		
144	0.0	18.2	27.4#
142	0.0	59.0	88.4#



#37
 2-Methylnaphthalene
 Concen: 4.880 ng
 RT: 12.73 min Scan# 1607
 Delta R.T. 0.22 min
 Lab File: BG035667.D
 Acq: 16 Jul 2018 13:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.6	67.1	100.7
115	49.6	30.7	46.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

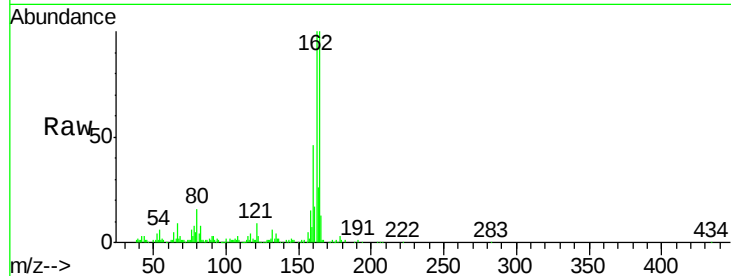
Tgt Ion:164 Resp: 149172

Ion Ratio Lower Upper

164 100

162 100.3 78.8 118.2

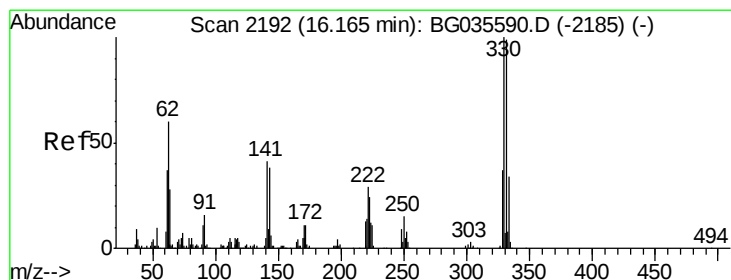
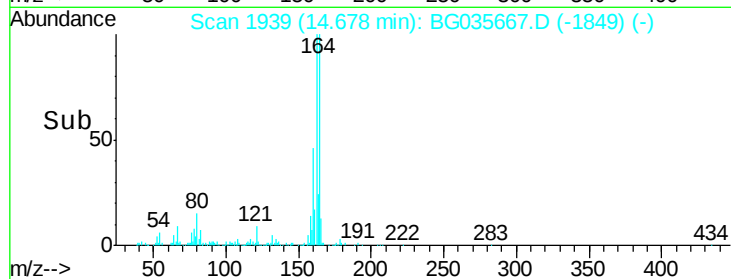
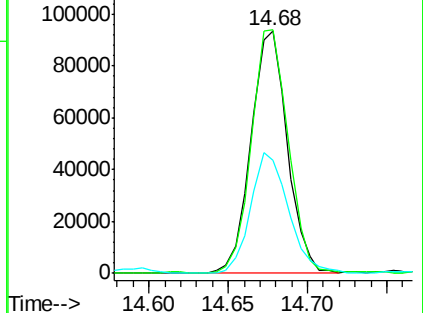
160 46.5 35.4 53.0



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: 150.046 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

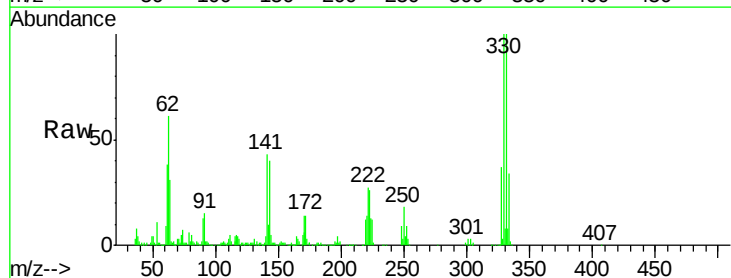
Tgt Ion:330 Resp: 295018

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

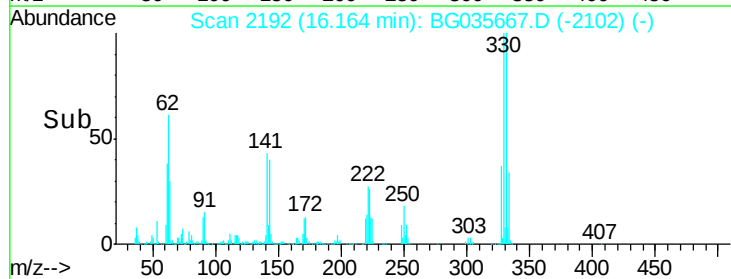
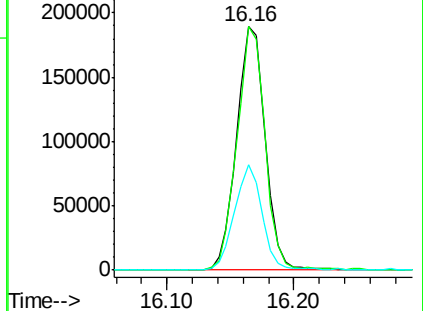
141 41.3 25.2 37.8#

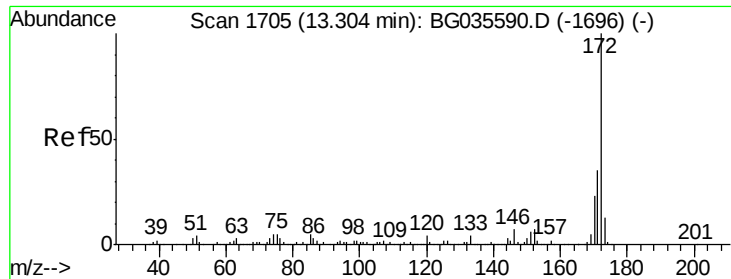


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

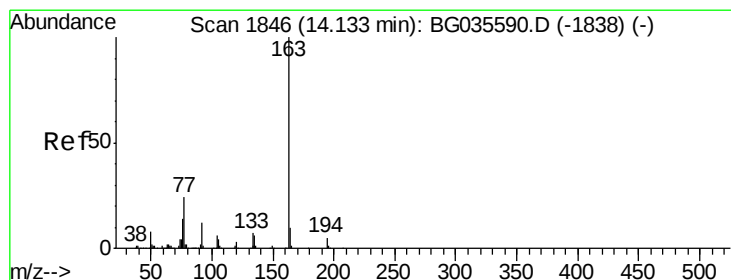
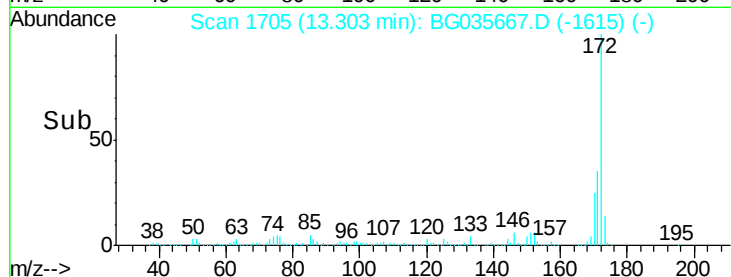
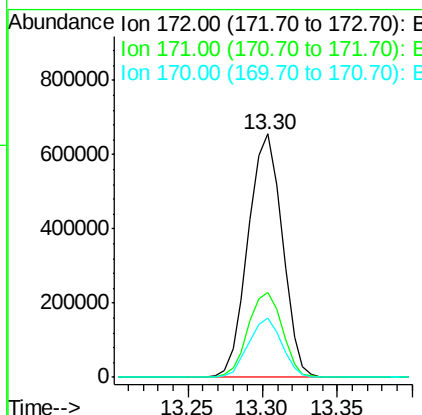
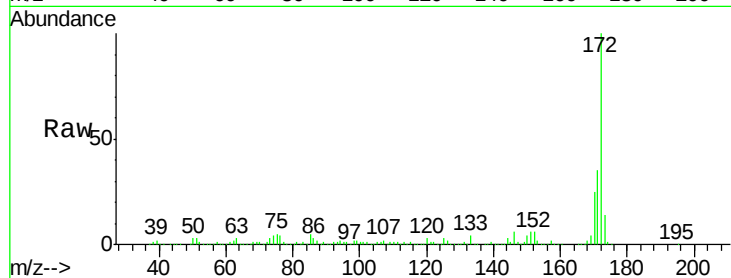




#44
2-Fluorobiphenyl
Concen: 93.379 ng
RT: 13.30 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BG035667.D
Acq: 16 Jul 2018 13:22

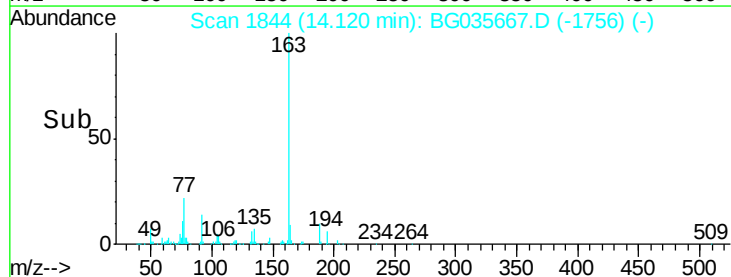
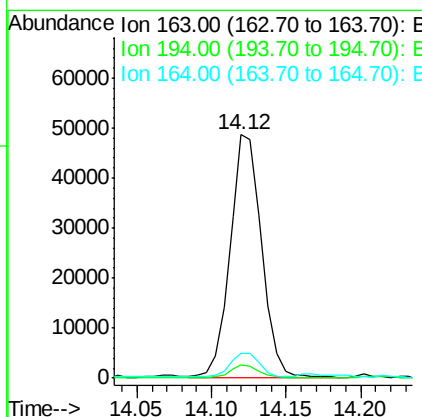
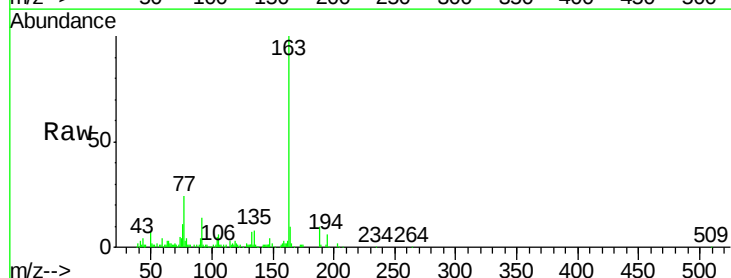
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

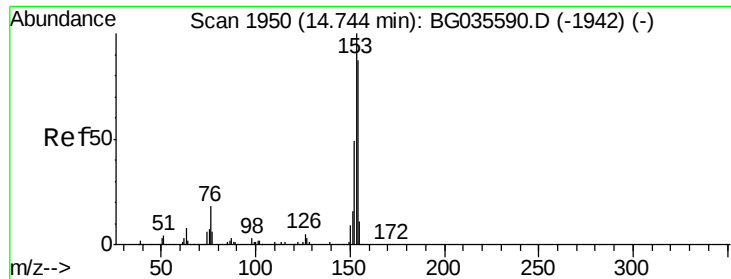
Tgt Ion:172 Resp: 1039721
Ion Ratio Lower Upper
172 100
171 34.7 30.0 45.0
170 24.5 19.5 29.3



#49
Dimethylphthalate
Concen: 5.513 ng
RT: 14.12 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BG035667.D
Acq: 16 Jul 2018 13:22

Tgt Ion:163 Resp: 72059
Ion Ratio Lower Upper
163 100
194 5.7 3.4 5.2#
164 10.4 8.2 12.4





#51

Acenaphthene

Concen: 2.093 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

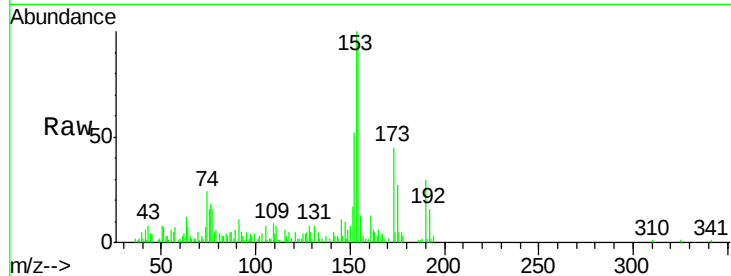
Tgt Ion:154 Resp: 19648

Ion Ratio Lower Upper

154 100

153 104.1 90.4 135.6

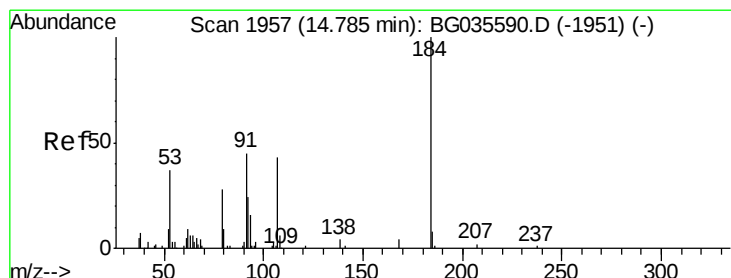
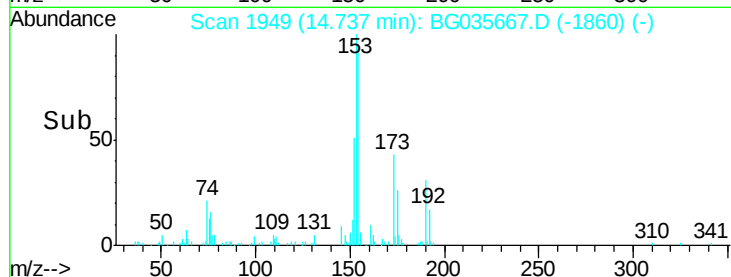
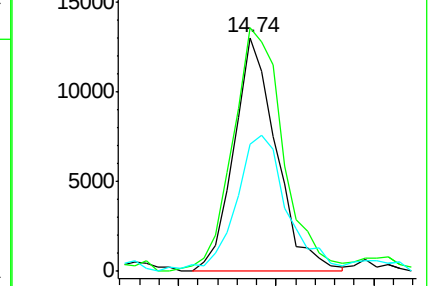
152 54.3 41.6 62.4



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



#53

2,4-Dinitrophenol

Concen: 6.623 ng

RT: 14.77 min Scan# 1954

Delta R.T. -0.02 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

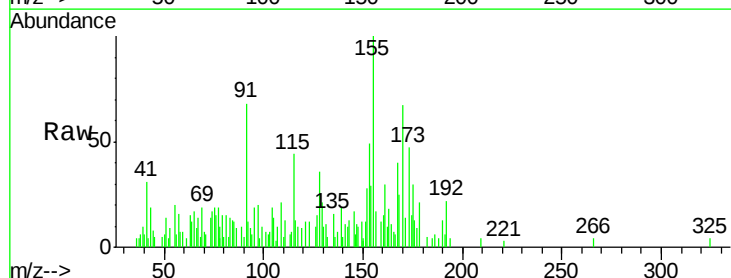
Tgt Ion:184 Resp: 61

Ion Ratio Lower Upper

184 100

63 384.5 59.8 89.8#

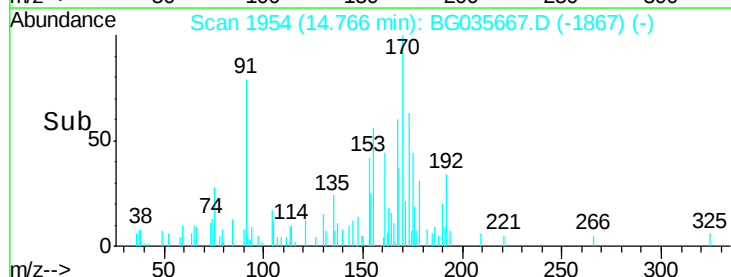
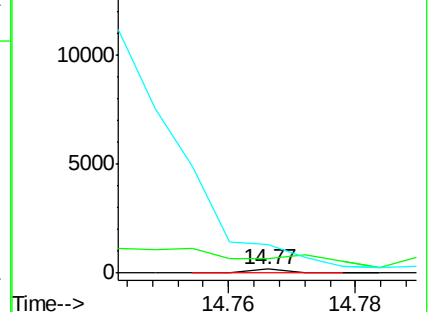
154 765.5 101.8 152.8#

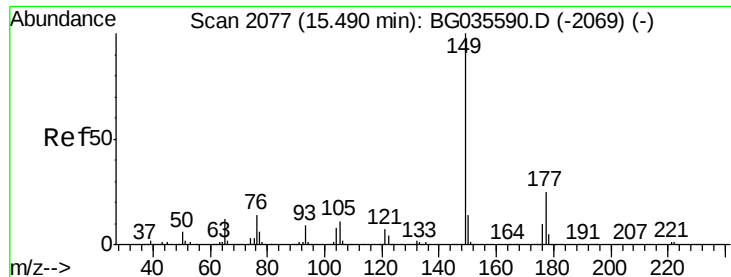


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

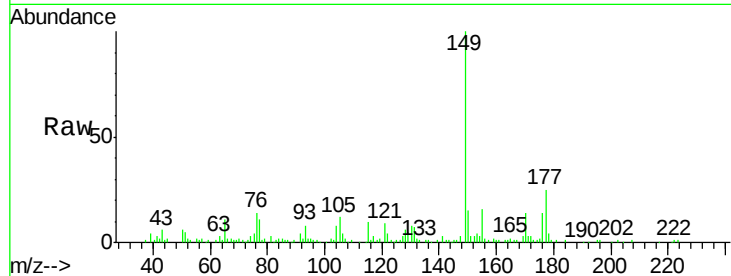




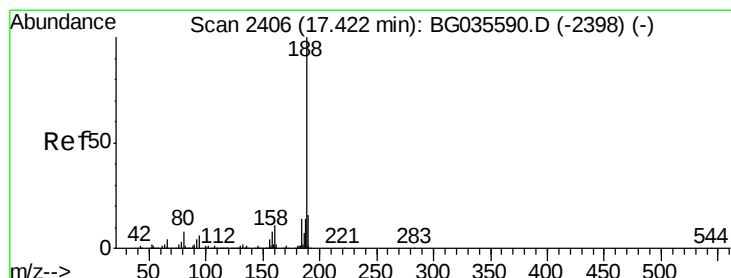
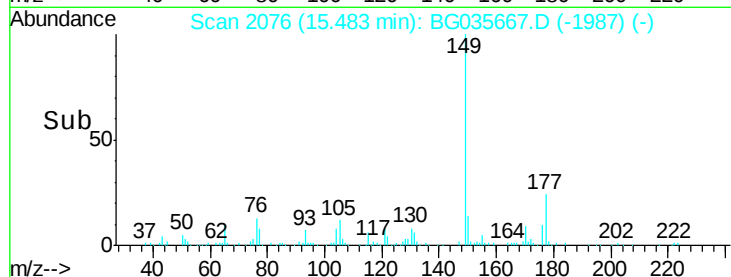
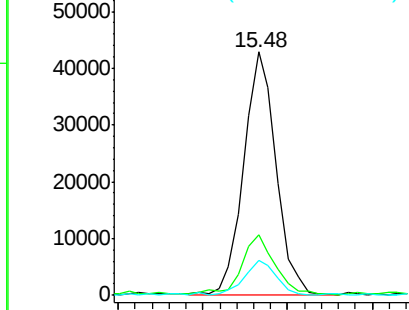
#59
Diethylphthalate
Concen: 4.259 ng
RT: 15.48 min Scan# 2076
Delta R.T. -0.01 min
Lab File: BG035667.D
Acq: 16 Jul 2018 13:22

Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

Tgt Ion:149 Resp: 57241
Ion Ratio Lower Upper
149 100
177 25.0 18.5 27.7
150 14.5 10.2 15.2

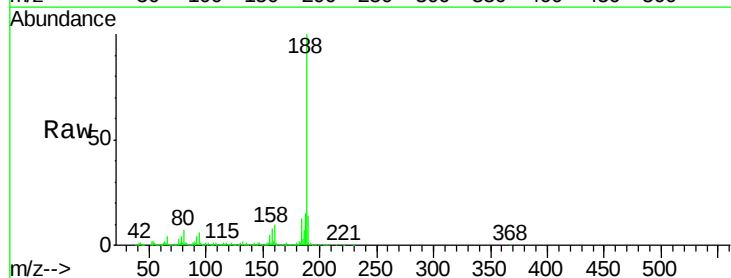


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

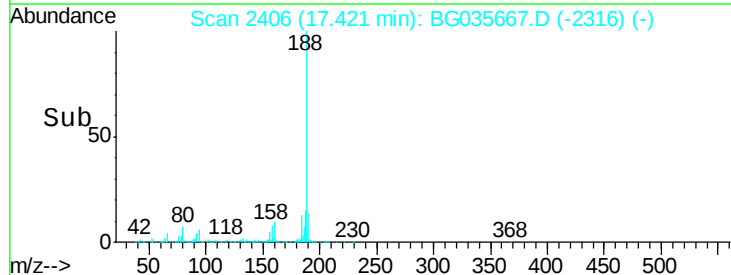
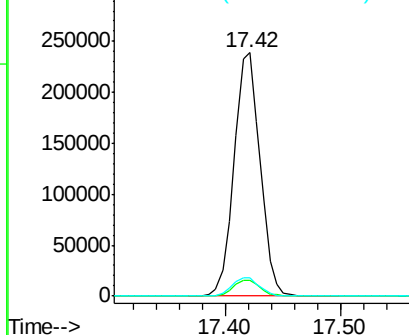


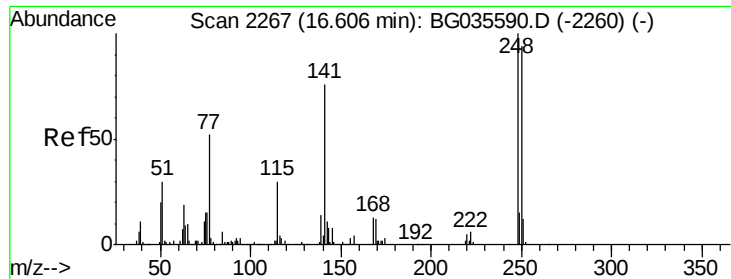
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2406
Delta R.T. -0.00 min
Lab File: BG035667.D
Acq: 16 Jul 2018 13:22

Tgt Ion:188 Resp: 372924
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 7.4 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

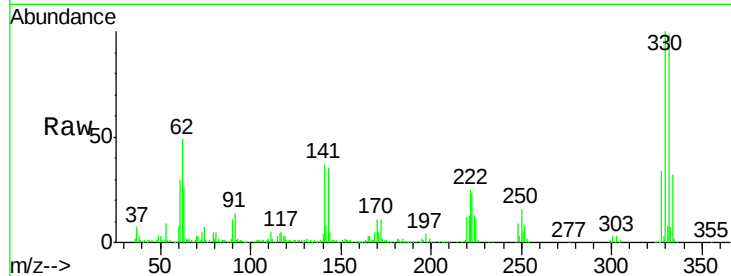




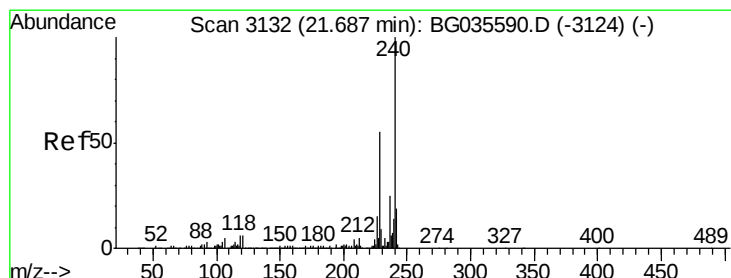
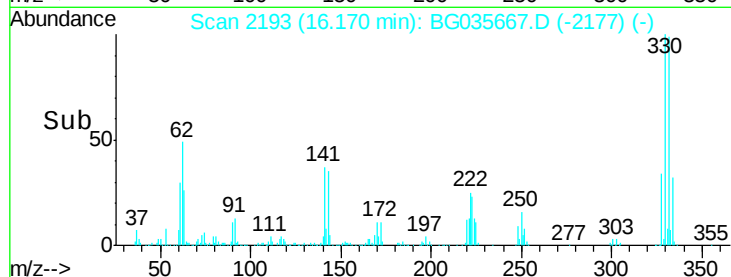
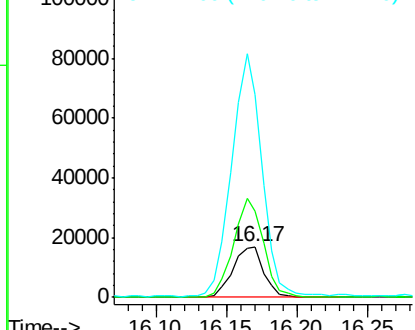
#66
 4-Bromophenyl-phenylether
 Concen: 5.955 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.44 min
 Lab File: BG035667.D
 Acq: 16 Jul 2018 13:22

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Tgt Ion:248 Resp: 25764
 Ion Ratio Lower Upper
 248 100
 250 170.9 77.1 115.7#
 141 402.7 50.8 76.2#

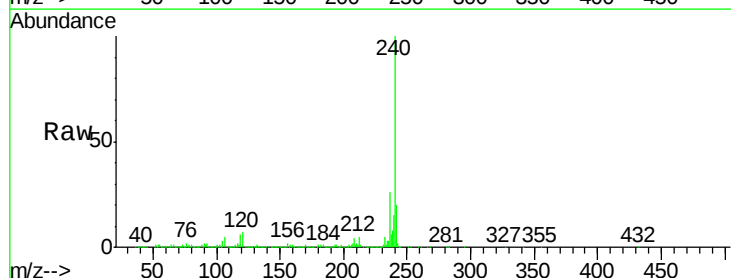


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

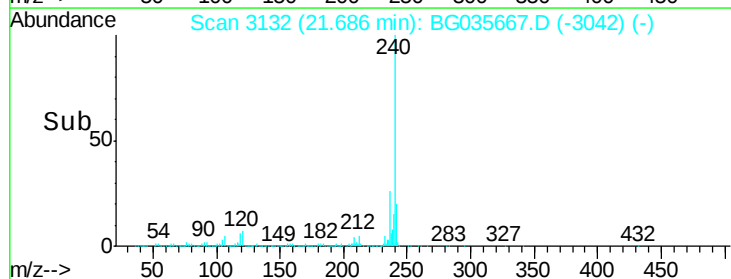
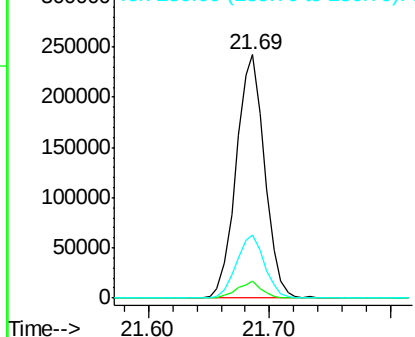


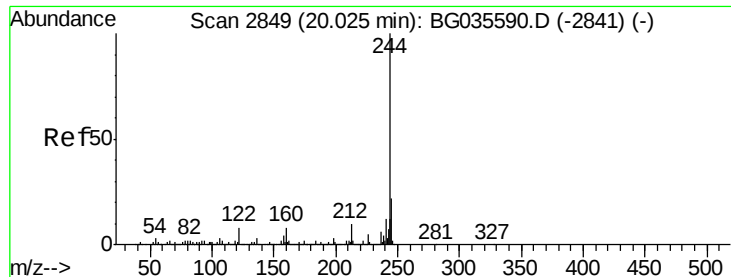
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3132
 Delta R.T. -0.00 min
 Lab File: BG035667.D
 Acq: 16 Jul 2018 13:22

Tgt Ion:240 Resp: 396644
 Ion Ratio Lower Upper
 240 100
 120 6.8 6.8 10.2#
 236 25.9 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: 88.041 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

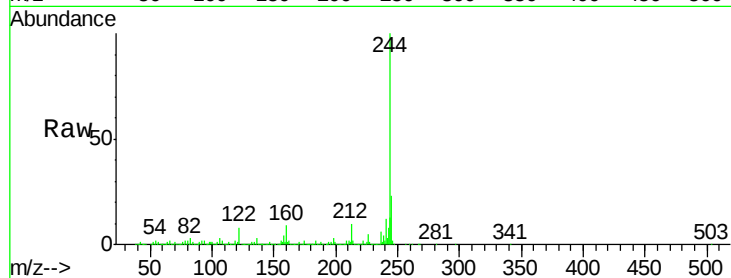
Tgt Ion:244 Resp: 1584220

Ion Ratio Lower Upper

244 100

212 10.0 5.8 8.8#

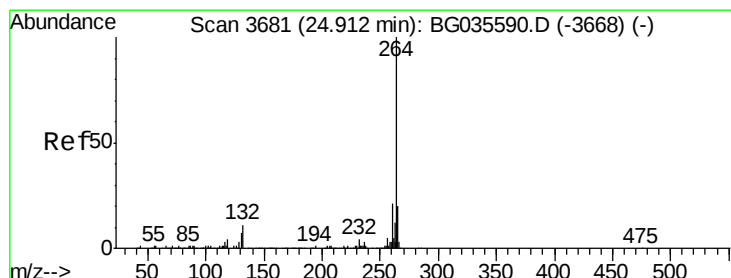
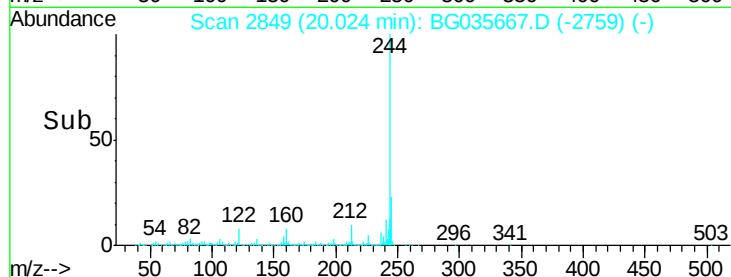
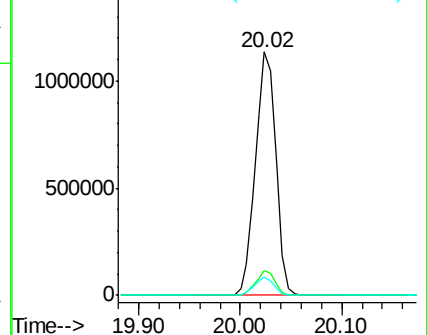
122 7.7 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG035667.D

Acq: 16 Jul 2018 13:22

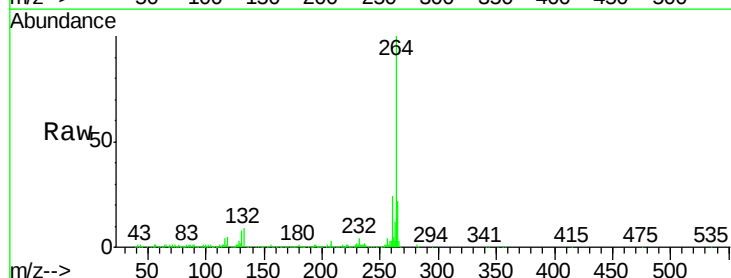
Tgt Ion:264 Resp: 391139

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 21.6 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

