

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072718\
 Data File : BG035965.D
 Acq On : 28 Jul 2018 9:40
 Operator : JU/SJ
 Sample : J4184-11
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

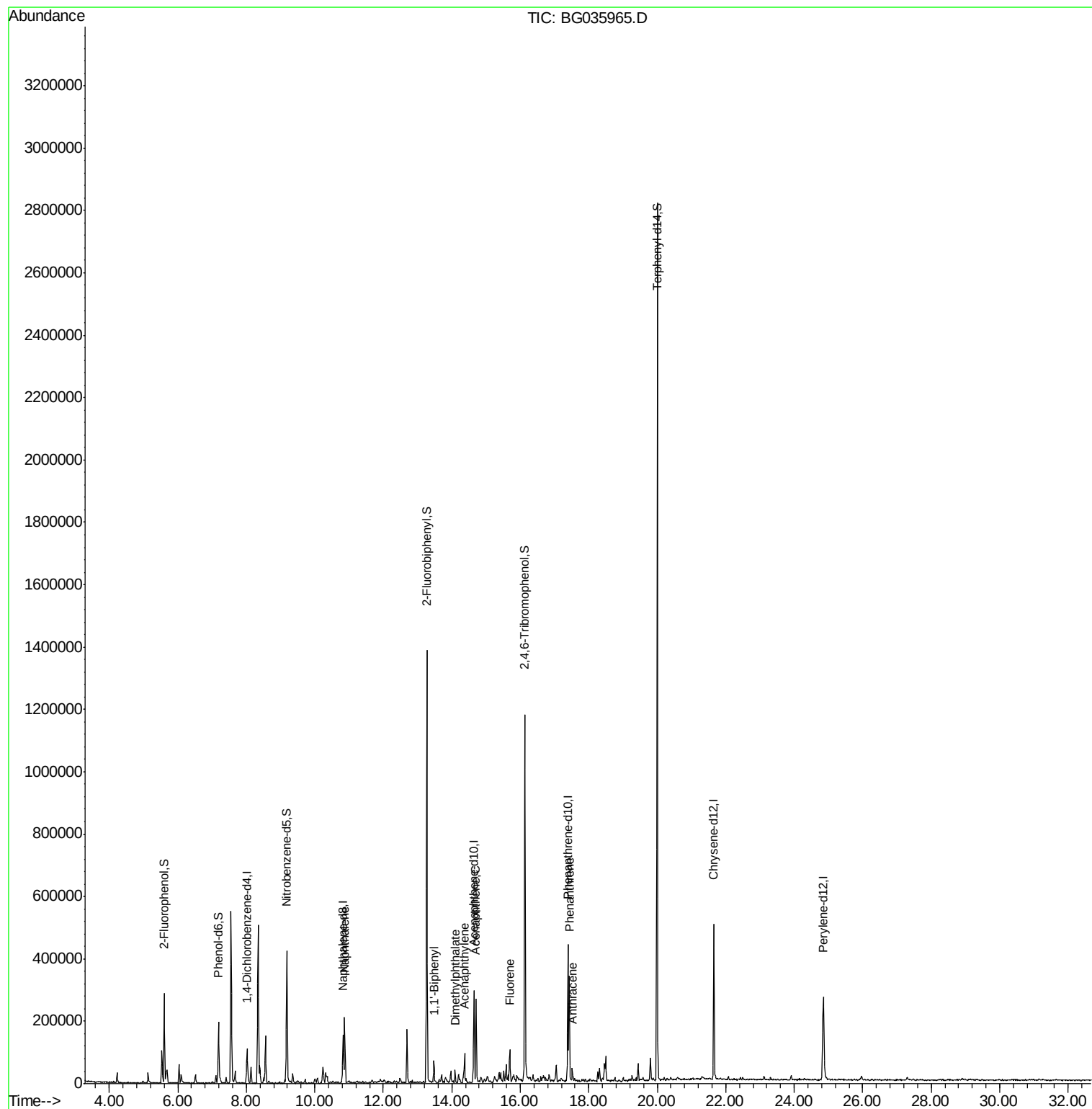
Quant Time: Jul 30 01:03:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

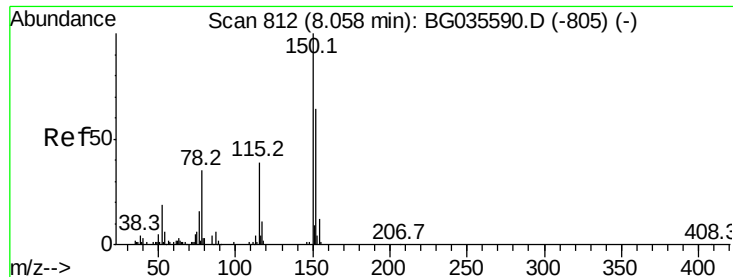
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	34143	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	129107	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	102731	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	284872	20.00	ng	0.00
75) Chrysene-d12	21.65	240	313517	20.00	ng	0.00
86) Perylene-d12	24.85	264	295646	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	132377	64.37	ng	0.00
7) Phenol-d6	7.19	99	125283	40.83	ng	0.00
23) Nitrobenzene-d5	9.19	82	295262	95.54	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	216382	159.80	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	750899	97.93	ng	0.00
78) Terphenyl-d14	20.00	244	1351396	95.02	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.88	128	182203	27.092	ng	98
45) 1,1'-Biphenyl	13.48	154	38150	4.790	ng	94
48) Acenaphthylene	14.37	152	60944	5.873	ng	96
49) Dimethylphthalate	14.10	163	25538	2.837	ng	# 96
51) Acenaphthene	14.71	154	103731	16.046	ng	95
57) Fluorene	15.70	166	46811	5.432	ng	# 97
70) Phenanthrene	17.43	178	211198	14.858	ng	99
71) Anthracene	17.52	178	29857	2.109	ng	96

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

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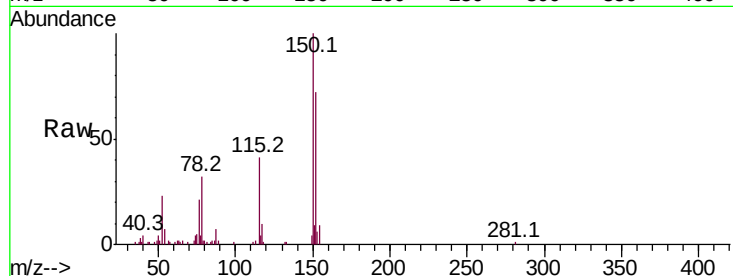




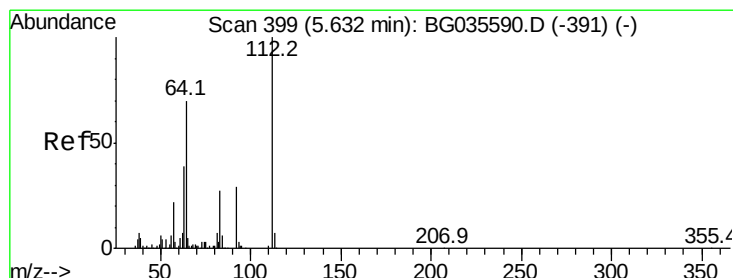
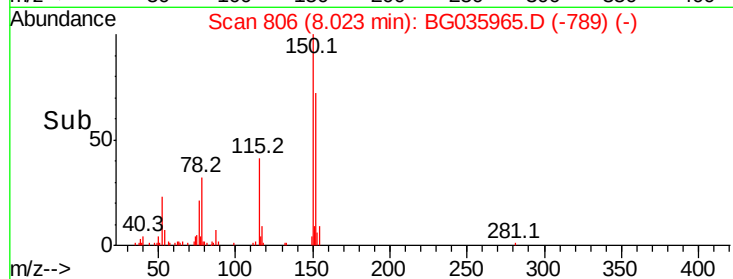
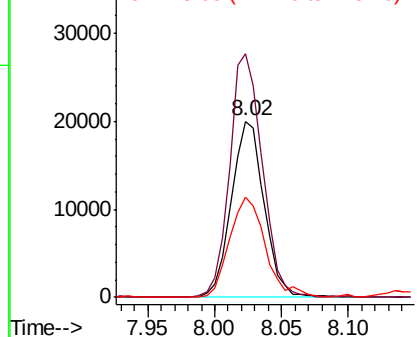
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035965.D
Acq: 28 Jul 2018 9:40

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.3	126.6	189.8
115	57.1	53.0	79.4



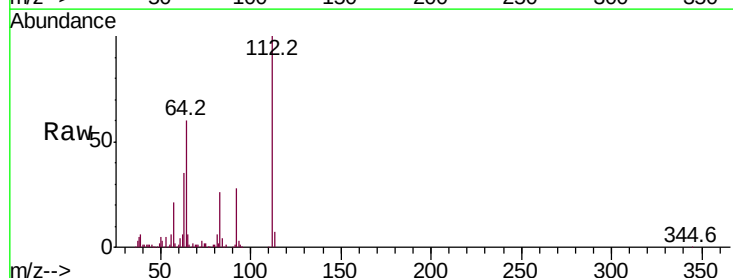
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



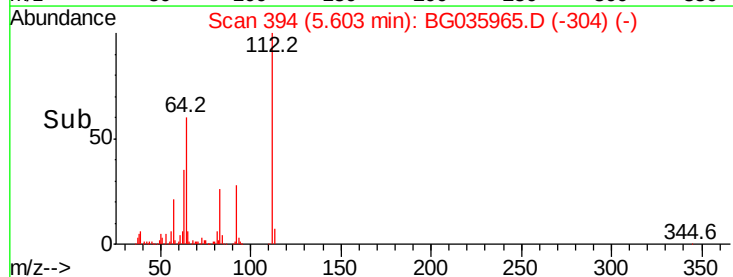
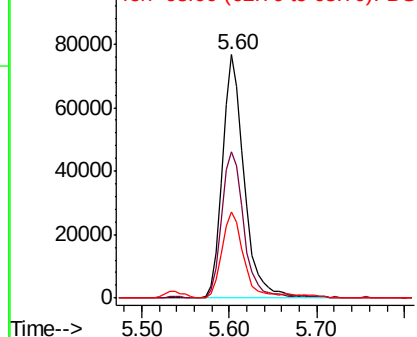
#5

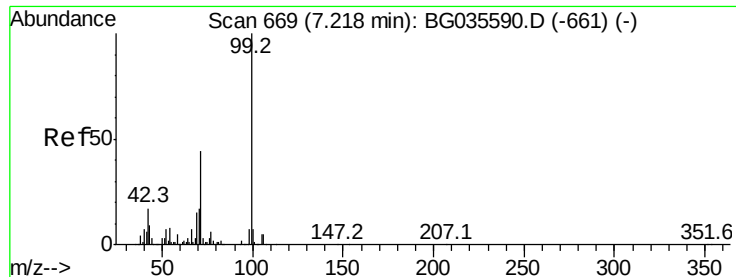
2-Fluorophenol
Concen: 64.370 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG035965.D
Acq: 28 Jul 2018 9:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	56.3	84.5
63	35.3	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 40.831 ng

RT: 7.19 min Scan# 664

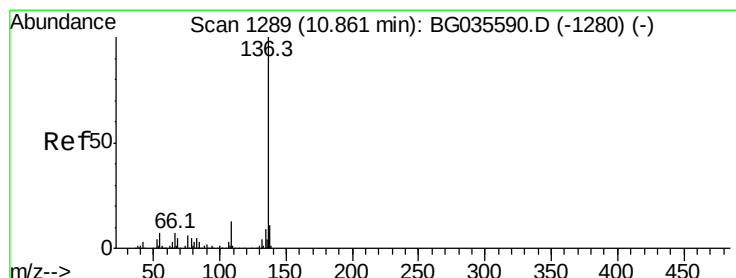
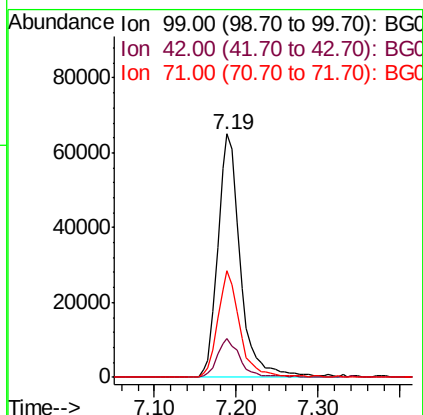
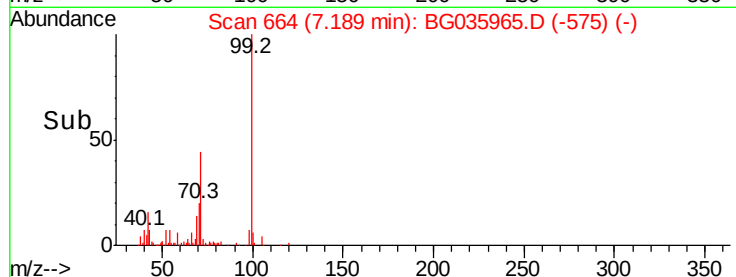
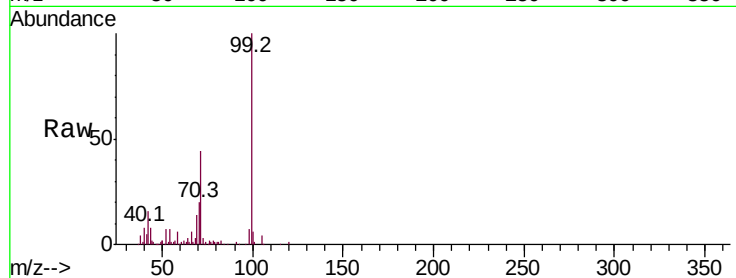
Delta R.T. -0.01 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

Tot Ion: 99 Resp: 125283

Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.1	21.1
71	43.6	26.1	39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1283

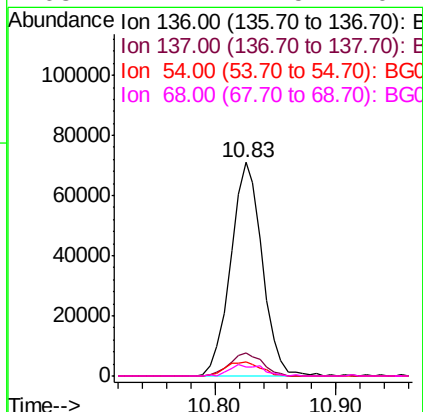
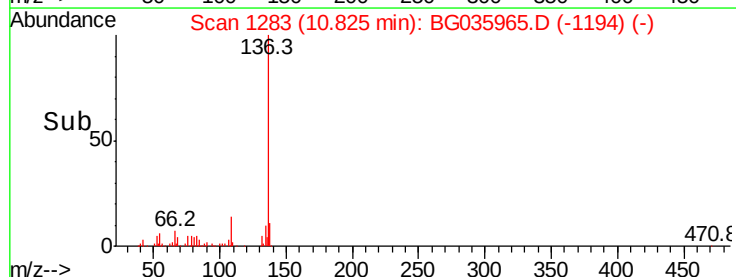
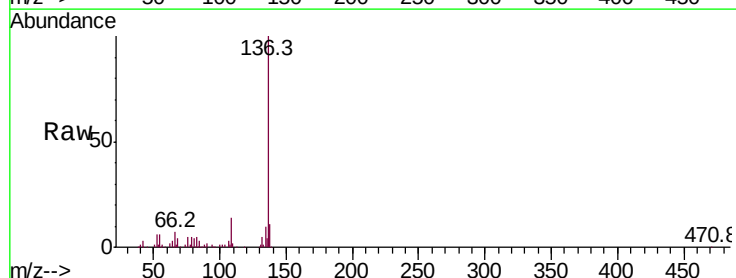
Delta R.T. -0.01 min

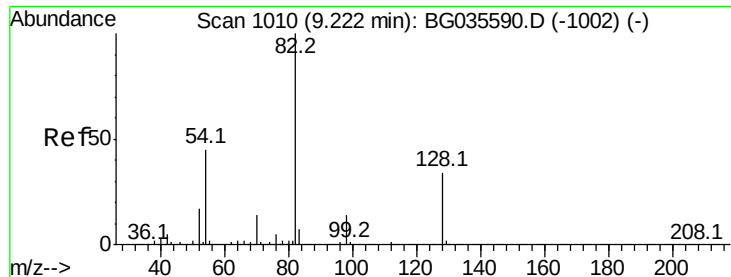
Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

Tgt Ion: 136 Resp: 129107

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.3	10.3	15.5#
68	4.4	4.5	6.7#





#23

Nitrobenzene-d5

Concen: 95.537 ng

RT: 9.19 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

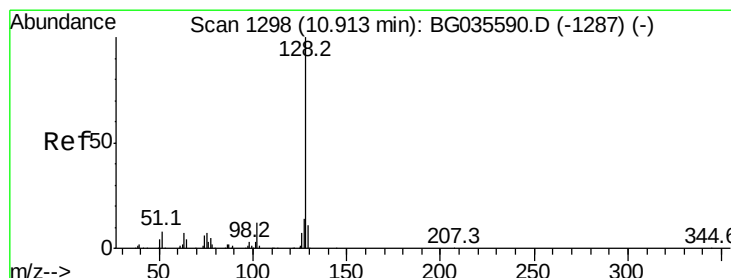
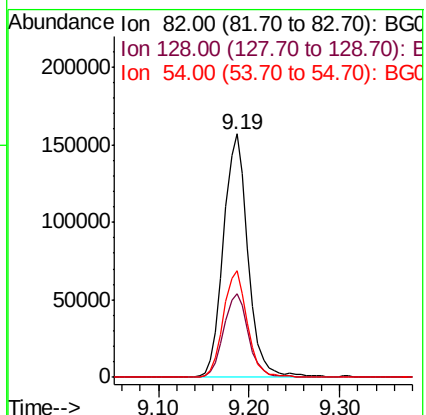
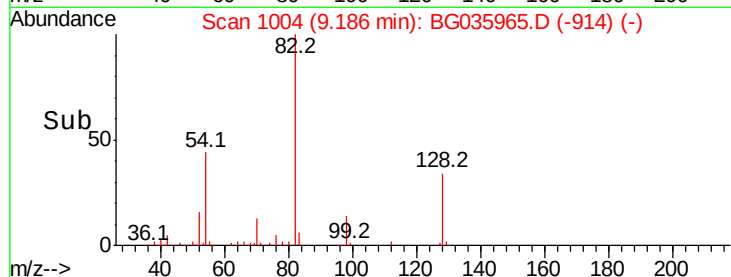
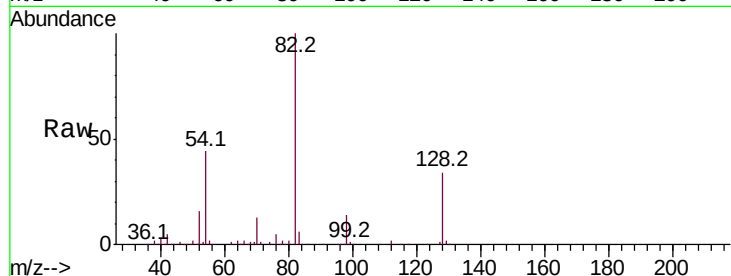
Tot Ion: 82 Resp: 295262

Ion Ratio Lower Upper

82 100

128 34.2 29.7 44.5

54 43.7 43.1 64.7



#31

Naphthalene

Concen: 27.092 ng

RT: 10.88 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

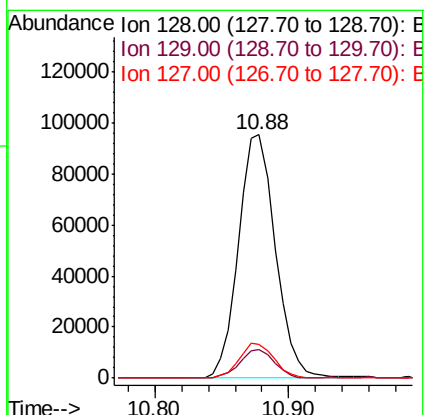
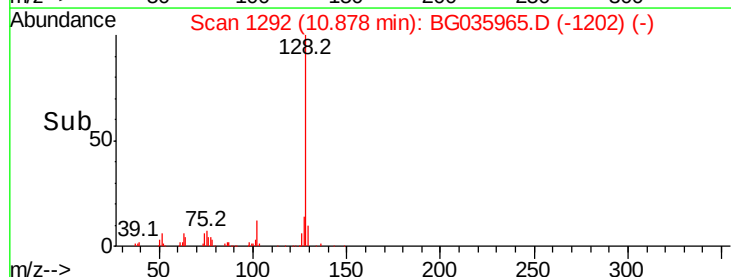
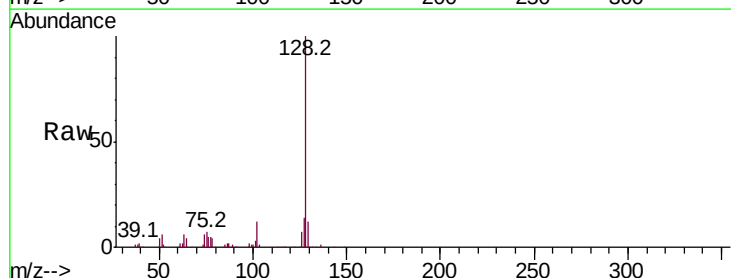
Tgt Ion: 128 Resp: 182203

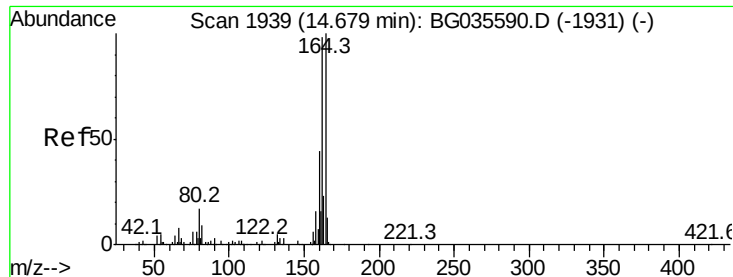
Ion Ratio Lower Upper

128 100

129 11.8 8.6 12.8

127 14.1 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

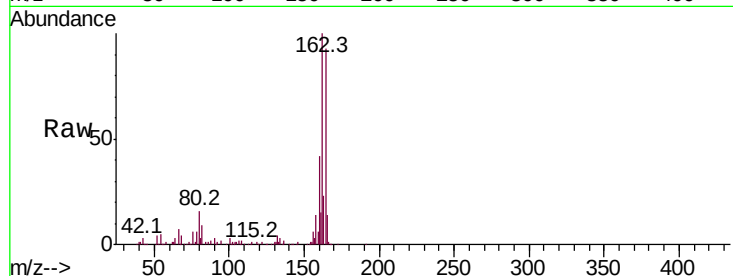
Tot Ion:164 Resp: 102731

Ion Ratio Lower Upper

164 100

162 107.1 78.8 118.2

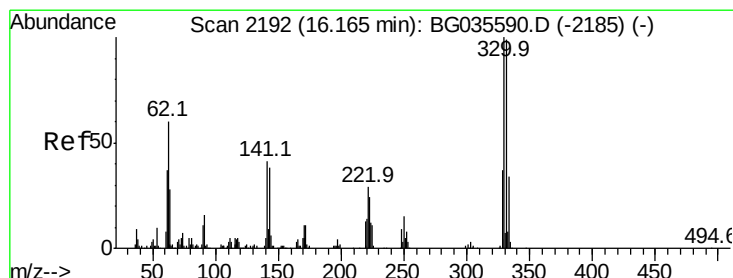
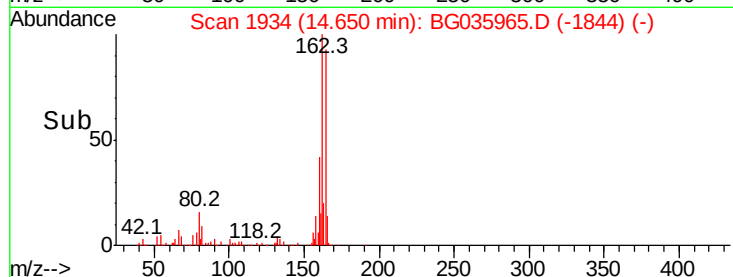
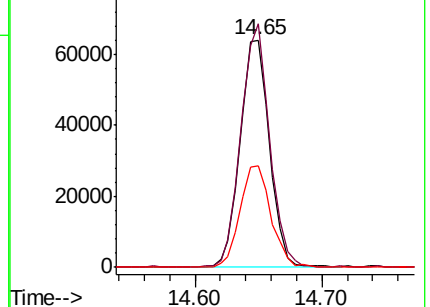
160 44.7 35.4 53.0



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: 159.802 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

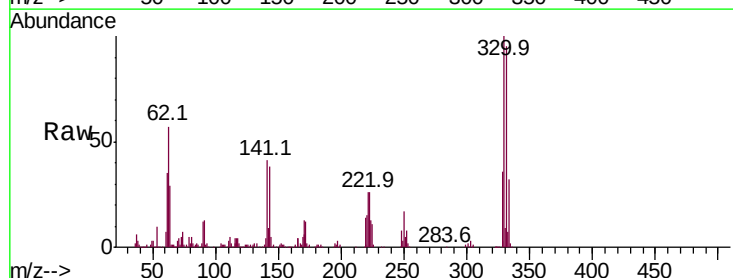
Tgt Ion:330 Resp: 216382

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

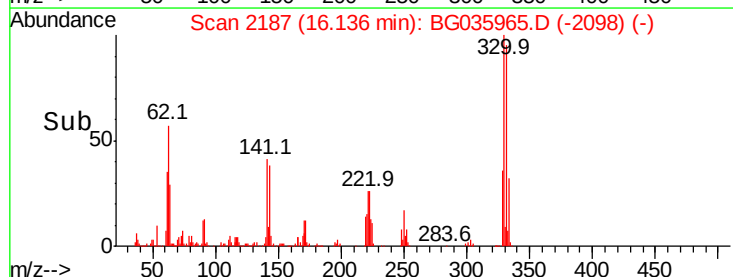
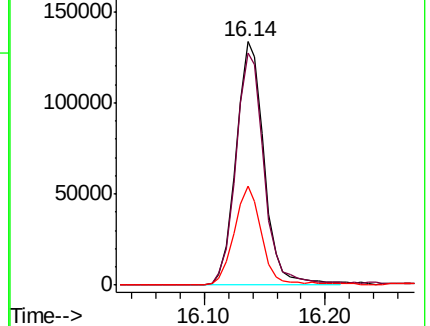
141 40.1 25.2 37.8#

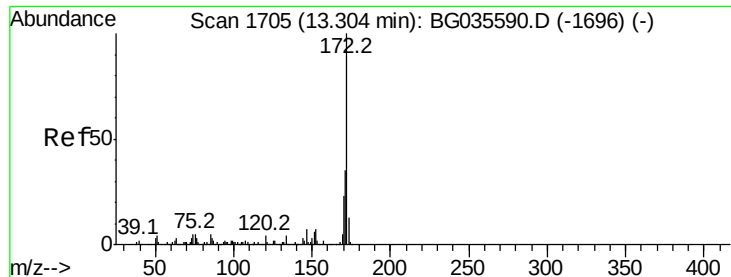


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

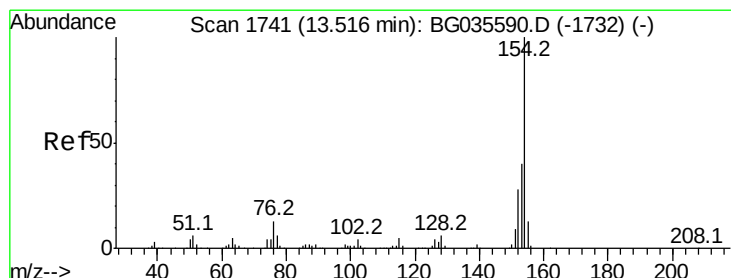
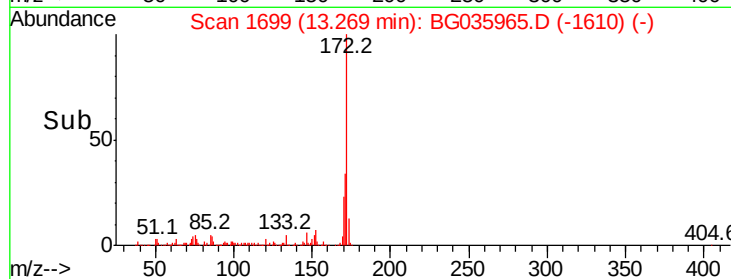
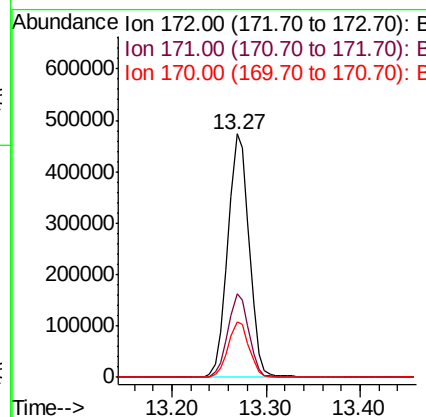
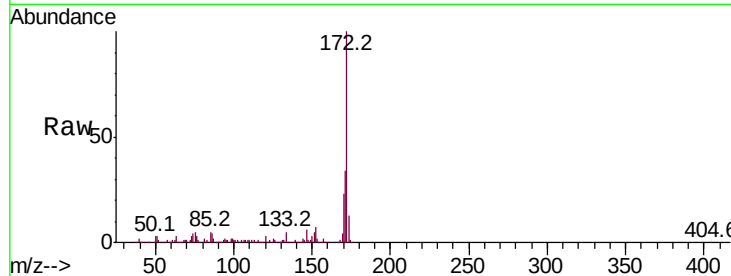
Ion 141.00 (140.70 to 141.70): E





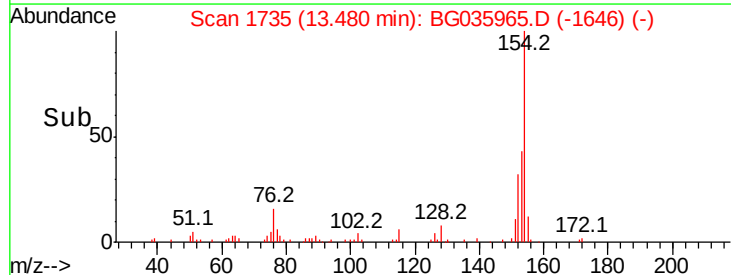
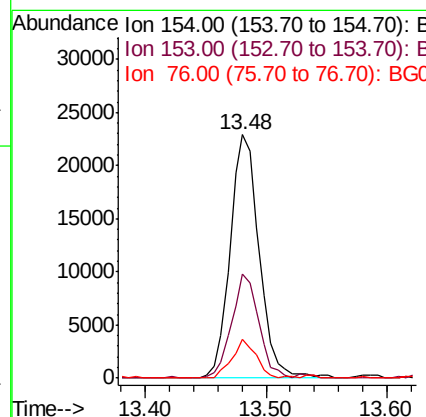
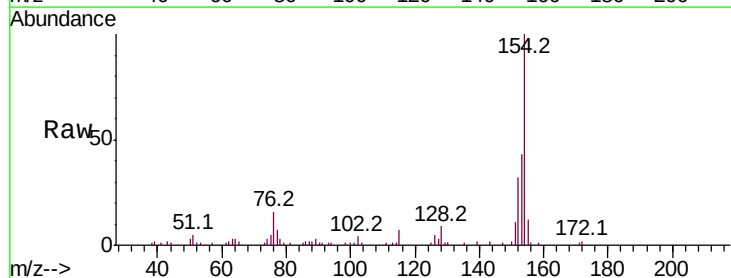
#44
2-Fluorobiphenyl
Concen: 97.927 ng
RT: 13.27 min Scan# 1699
Delta R.T. -0.01 min
Lab File: BG035965.D
Acq: 28 Jul 2018 9:40

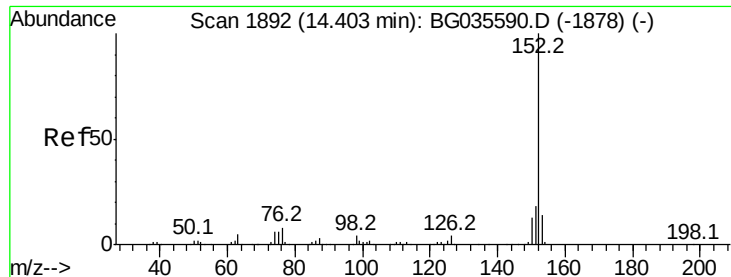
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	30.0	45.0
170	22.8	19.5	29.3



#45
1,1'-Biphenyl
Concen: 4.790 ng
RT: 13.48 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BG035965.D
Acq: 28 Jul 2018 9:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.7	19.8	59.8
76	15.8	0.0	31.9





#48

Acenaphthylene

Concen: 5.873 ng

RT: 14.37 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

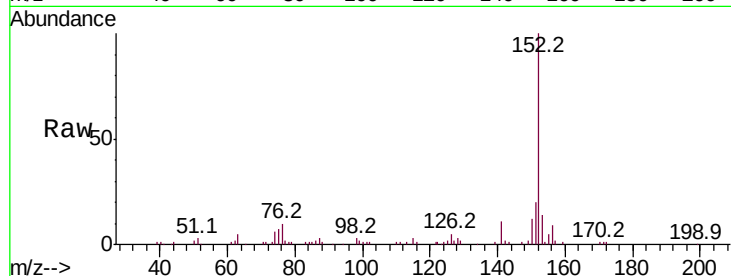
Tot Ion:152 Resp: 60944

Ion Ratio Lower Upper

152 100

151 20.0 17.2 25.8

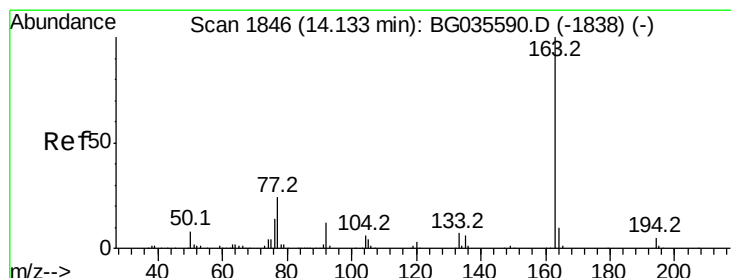
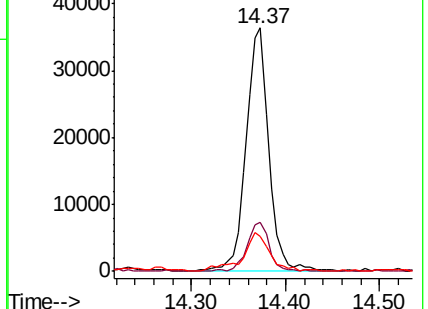
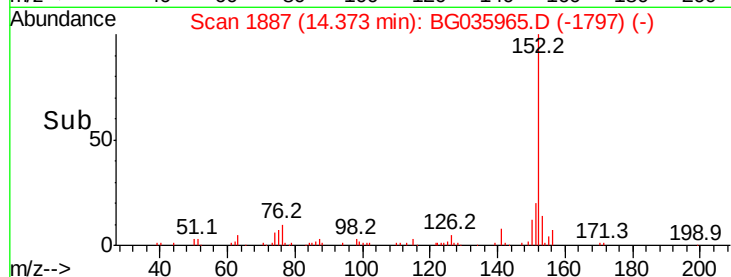
153 14.4 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.837 ng

RT: 14.10 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

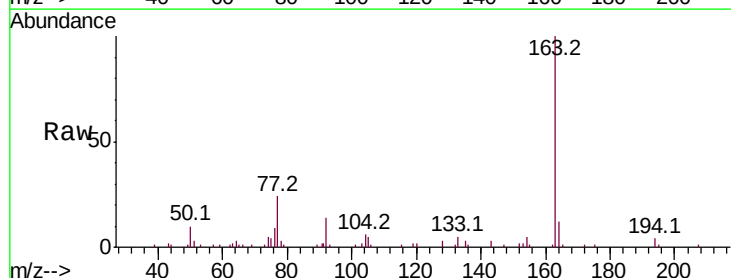
Tgt Ion:163 Resp: 25538

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

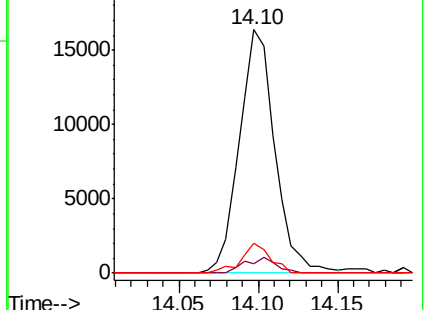
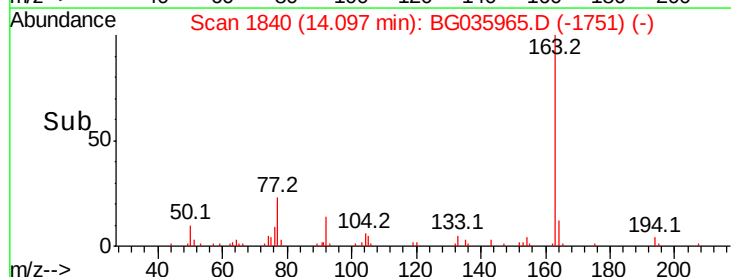
164 12.4 8.2 12.4#

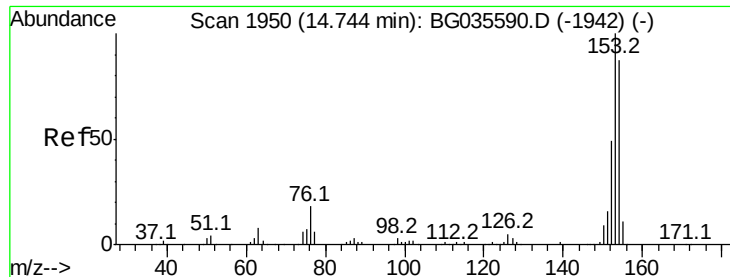


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 16.046 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

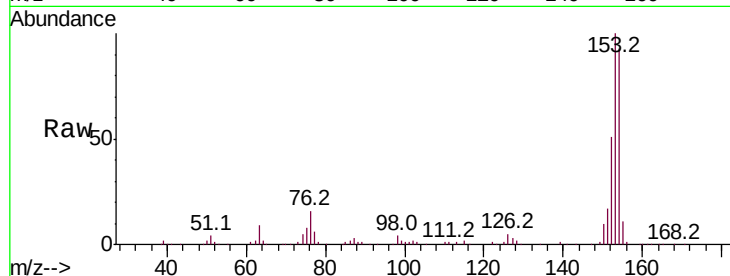
Tot Ion:154 Resp: 103731

Ion Ratio Lower Upper

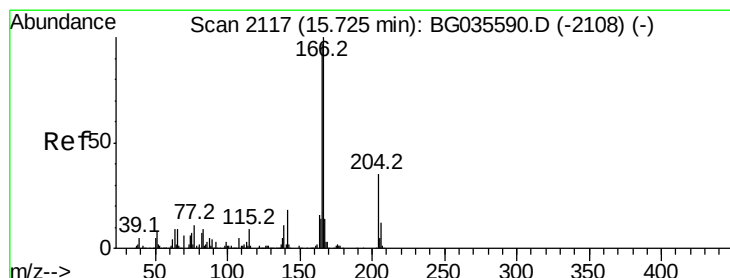
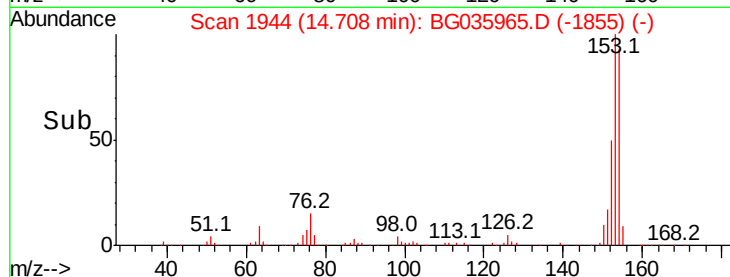
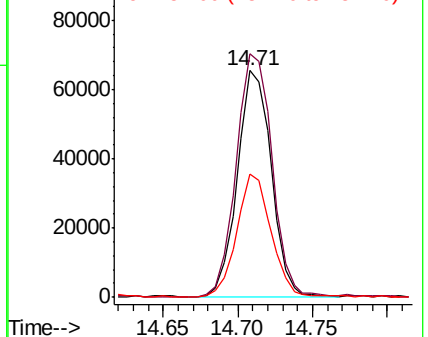
154 100

153 107.4 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



#57

Fluorene

Concen: 5.432 ng

RT: 15.70 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

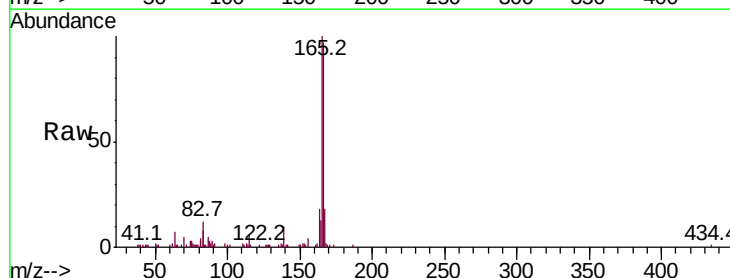
Tgt Ion:166 Resp: 46811

Ion Ratio Lower Upper

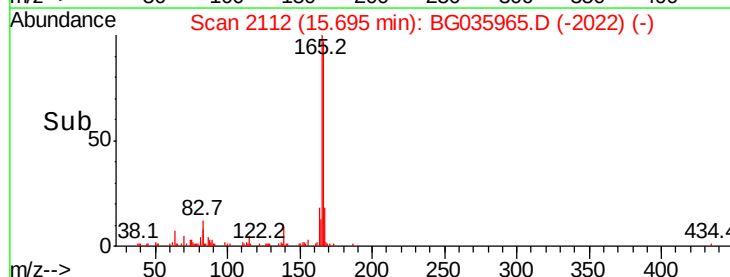
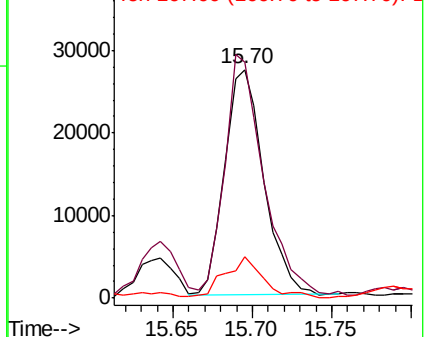
166 100

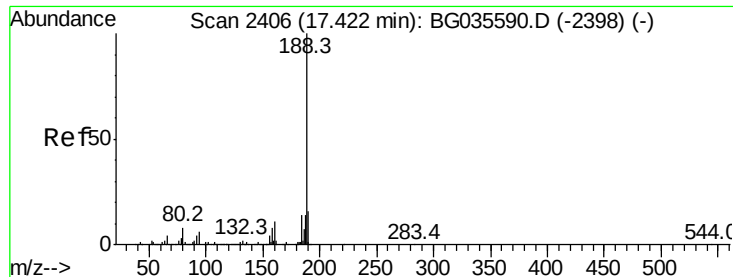
165 103.0 80.6 121.0

167 18.0 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: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

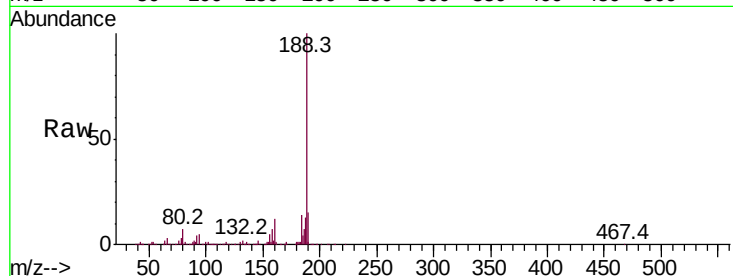
Tot Ion:188 Resp: 284872

Ion Ratio Lower Upper

188 100

94 5.3 6.9 10.3#

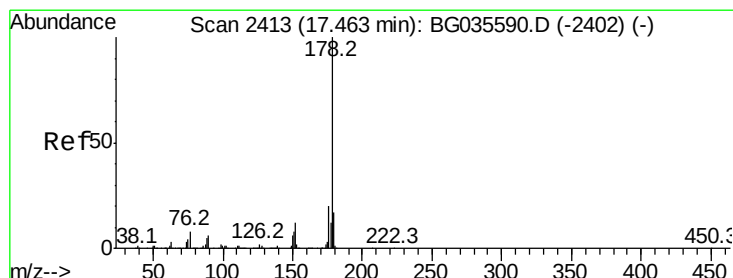
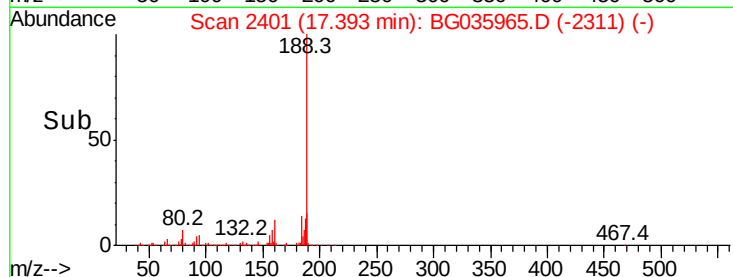
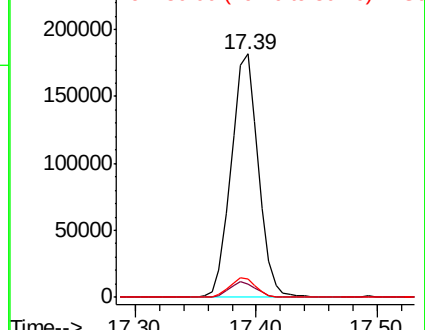
80 7.3 7.7 11.5#



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: 14.858 ng

RT: 17.43 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

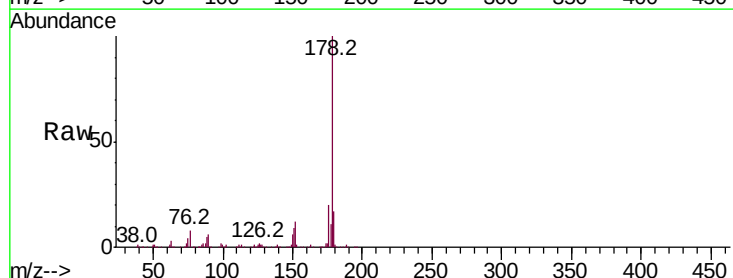
Tgt Ion:178 Resp: 211198

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

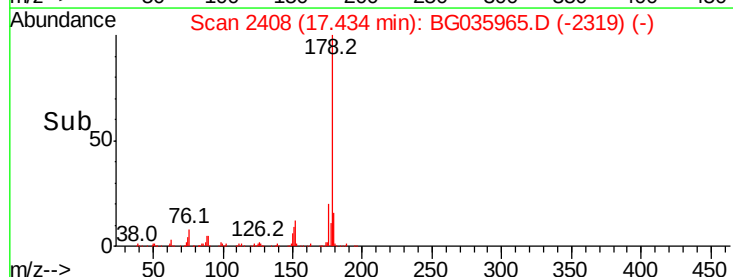
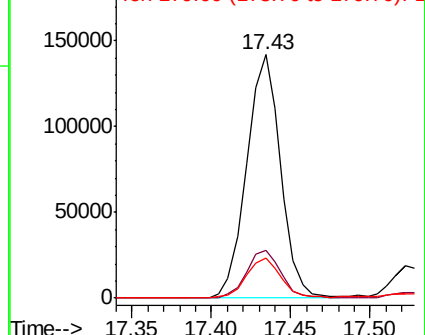
179 16.7 12.5 18.7

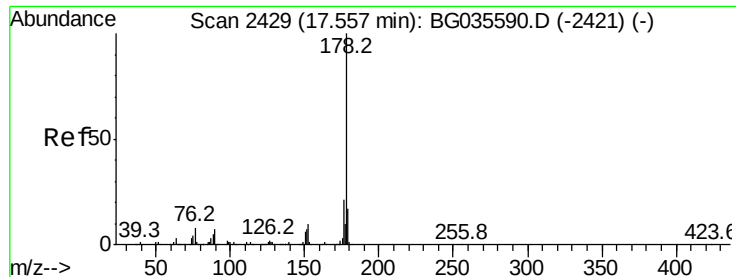


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.109 ng

RT: 17.52 min Scan# 2423

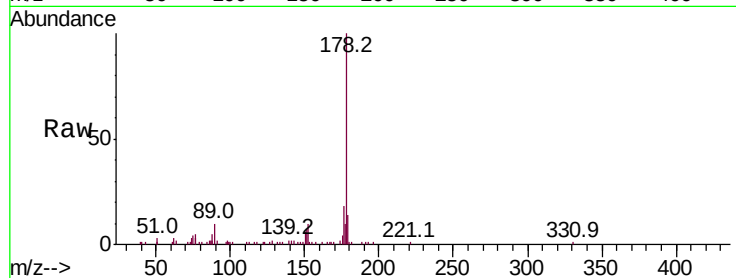
Delta R.T. -0.01 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

Tot Ion:178 Resp: 29857

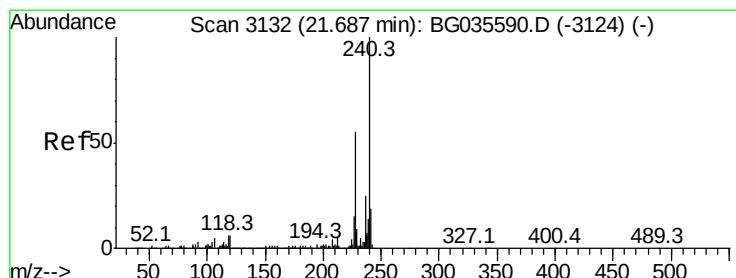
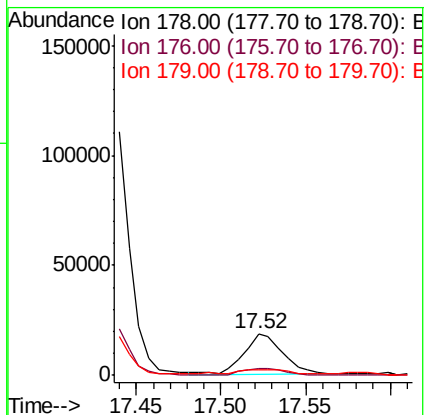
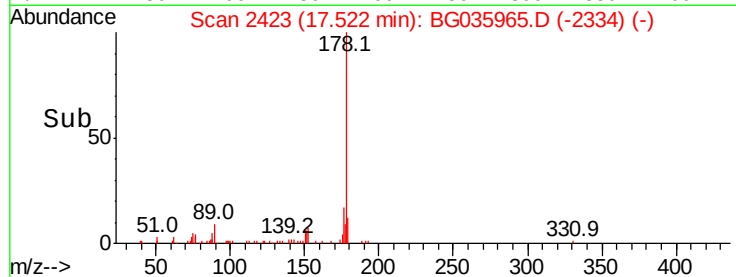
Ion	Ratio	Lower	Upper
178	100		
176	17.7	16.0	24.0
179	14.2	12.5	18.7



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

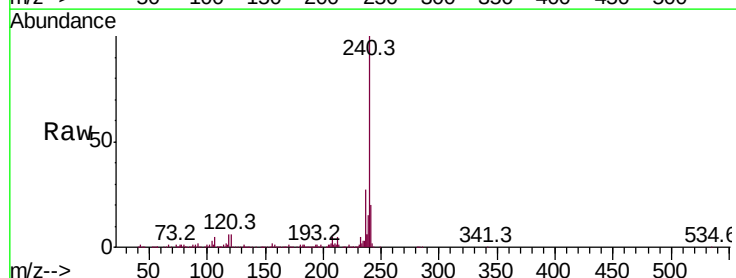
Delta R.T. -0.01 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

Tgt Ion:240 Resp: 313517

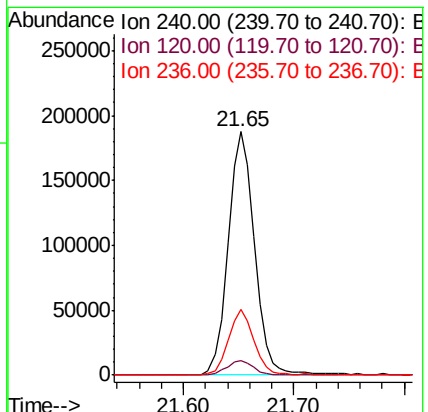
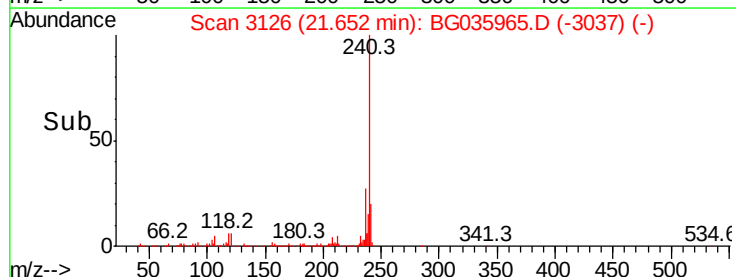
Ion	Ratio	Lower	Upper
240	100		
120	6.0	6.8	10.2#
236	27.1	20.9	31.3

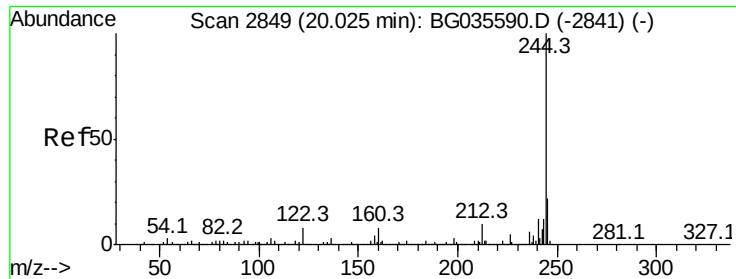


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 95.015 ng

RT: 20.00 min Scan# 2845

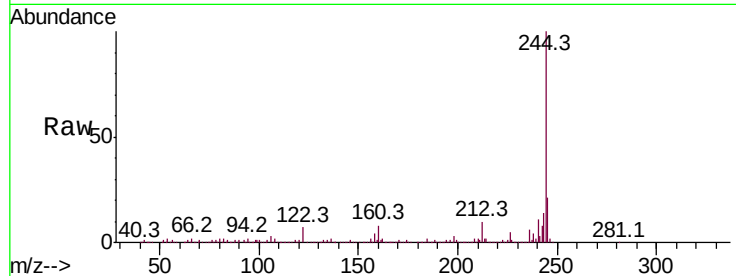
Delta R.T. -0.00 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

Tot Ion:244 Resp: 1351396

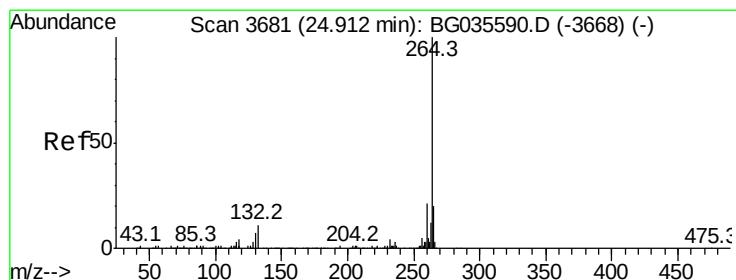
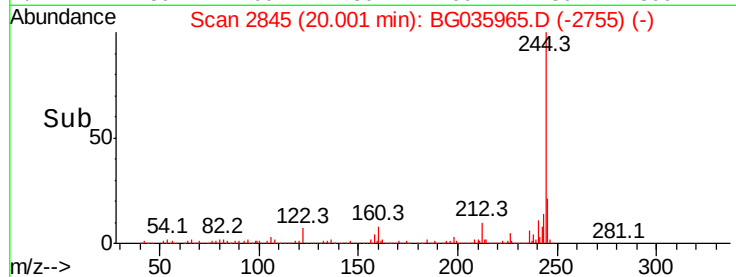
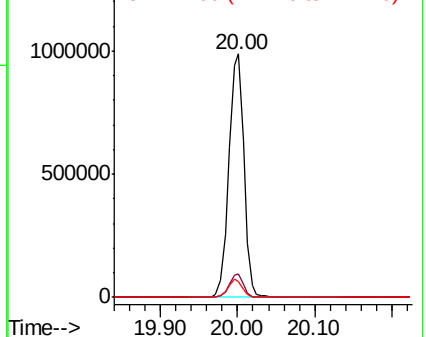
Ion	Ratio	Lower	Upper
244	100		
212	9.6	5.8	8.8#
122	6.6	7.0	10.4#



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: 24.85 min Scan# 3670

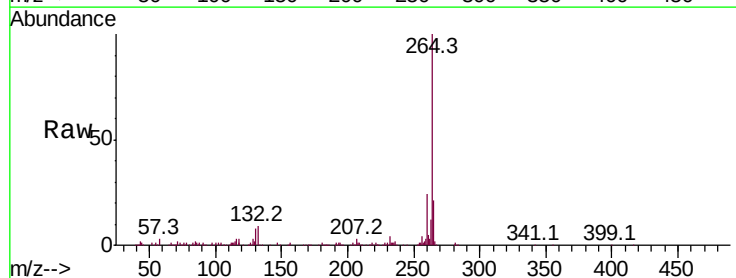
Delta R.T. -0.01 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

Tgt Ion:264 Resp: 295646

Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	21.4	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

