

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 00:37:52 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

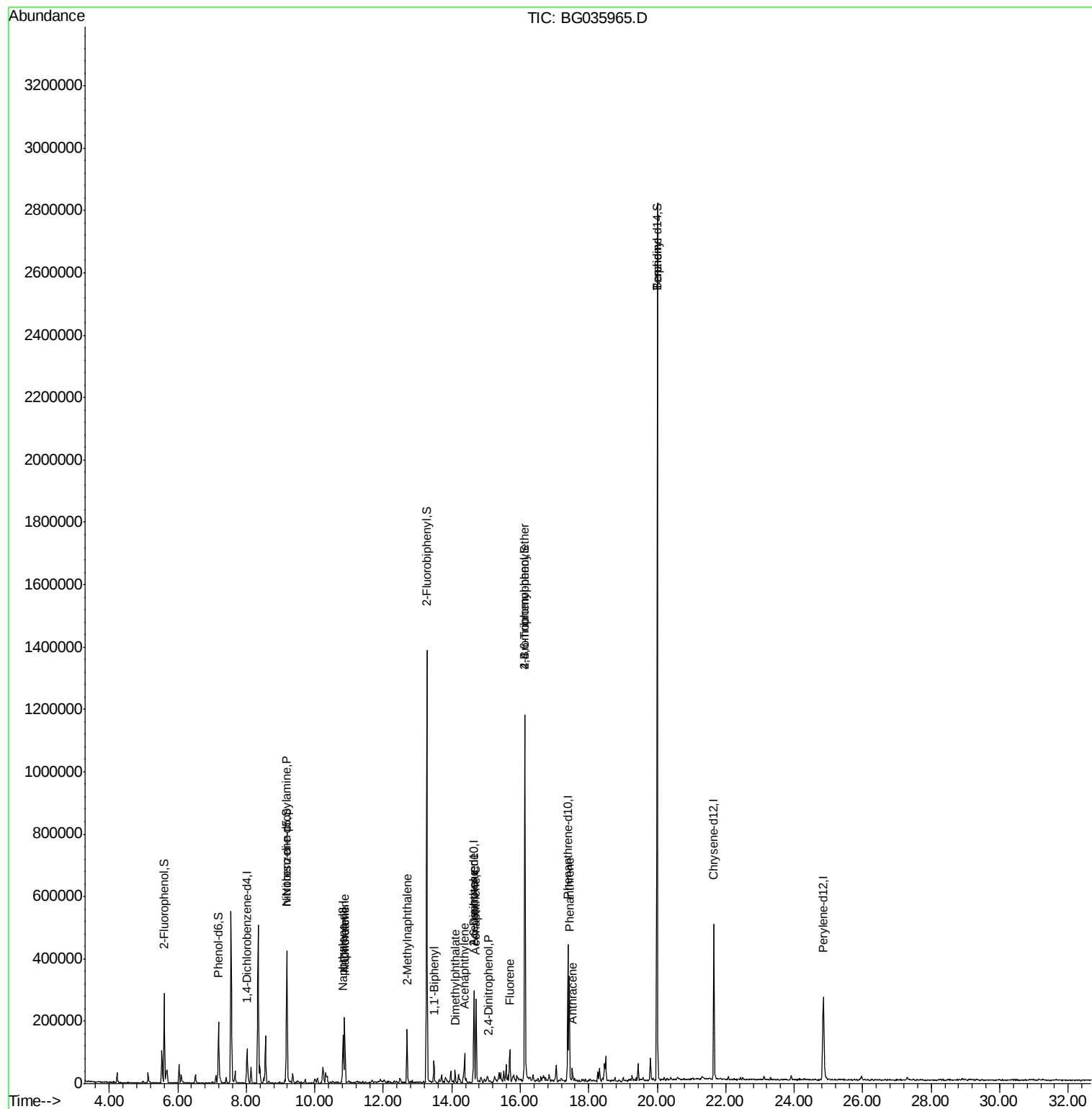
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	132377	64.37	ng	0.00
7) Phenol-d6	7.19	99	125283	40.83	ng	0.00
23) Nitrobenzene-d5	9.19	82	295262	95.54	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	216382	159.80	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	750899	97.93	ng	0.00
78) Terphenyl-d14	20.00	244	1351396	95.02	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.18	70	39691	15.362	ng	# 66
31) Naphthalene	10.88	128	182203	27.092	ng	98
33) 4-Chloroaniline	10.87	127	24638	8.405	ng	# 38
37) 2-Methylnaphthalene	12.70	142	78879	15.743	ng	91
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
50) 2,6-Dinitrotoluene	14.65	165	16189	8.832	ng	# 21
51) Acenaphthene	14.71	154	103731	16.046	ng	95
53) 2,4-Dinitrophenol	15.08	184	75	6.655	ng	# 1
57) Fluorene	15.70	166	46811	5.432	ng	# 97
66) 4-Bromophenyl-phenylether	16.14	248	16700	5.053	ng	# 1
70) Phenanthrene	17.43	178	211198	14.858	ng	99
71) Anthracene	17.52	178	29857	2.109	ng	96
76) Benzidine	20.00	184	24358	2.955	ng	# 87

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

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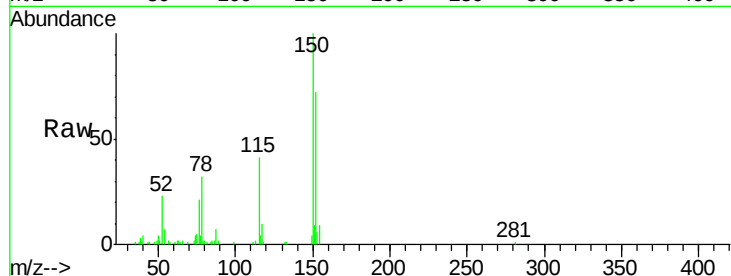




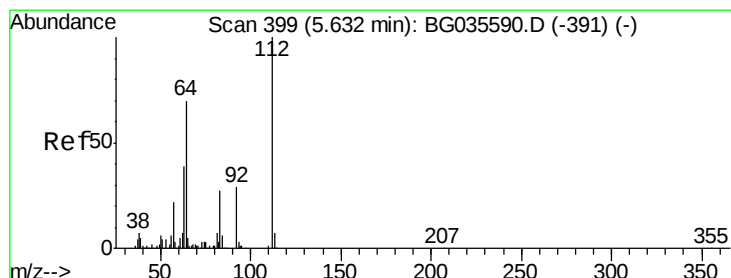
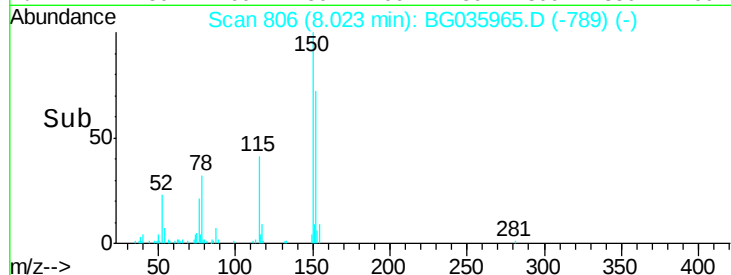
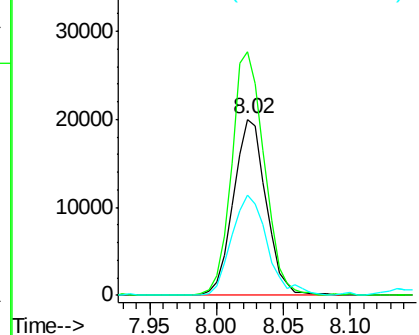
#1

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

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



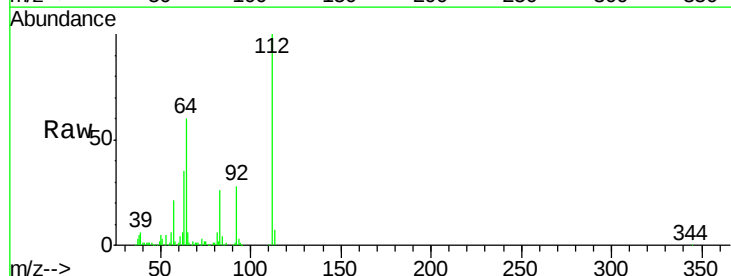
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



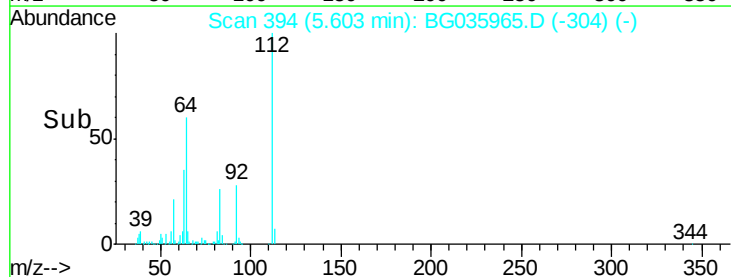
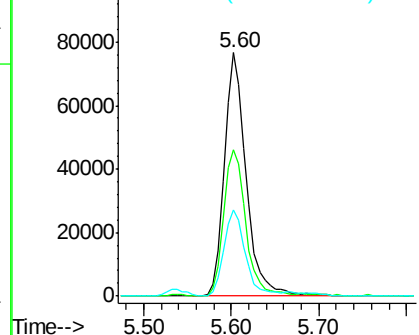
#5

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

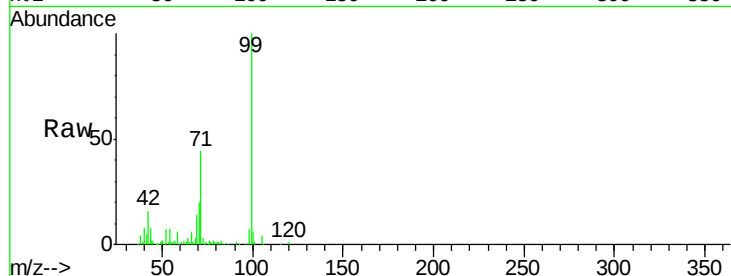
RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

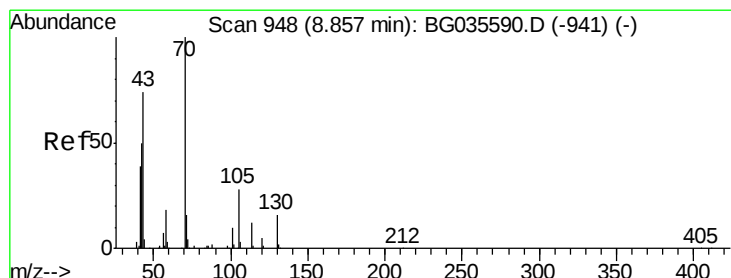
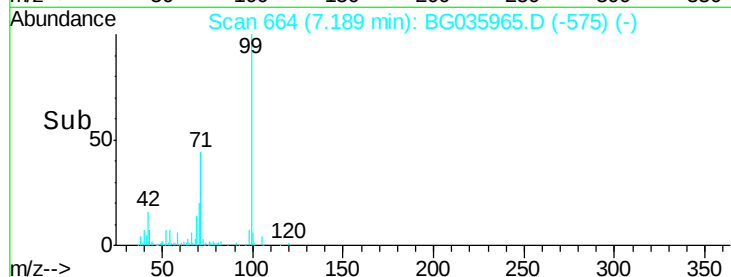
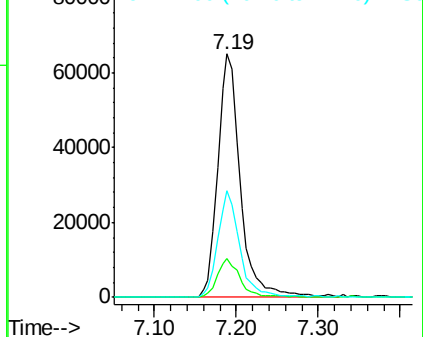
Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

Tgt Ion:	99	Resp:	125283
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.1	21.1
71	43.6	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



#19

n-Nitroso-di-n-propylamine

Concen: 15.362 ng

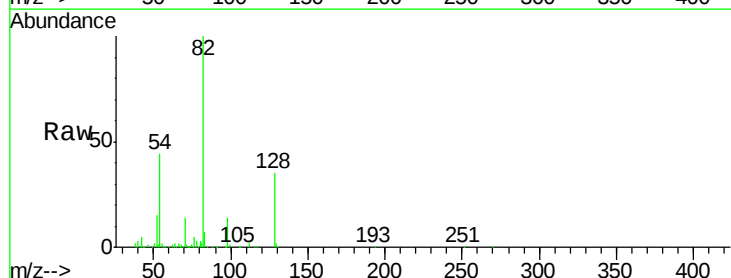
RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

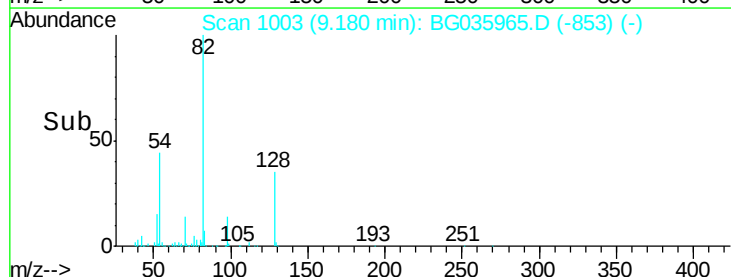
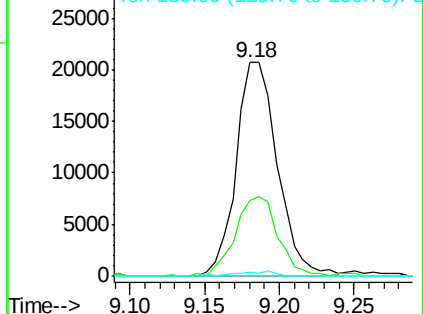
Lab File: BG035965.D

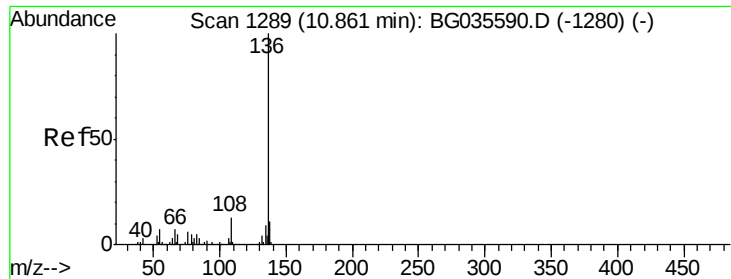
Acq: 28 Jul 2018 9:40

Tgt Ion:	70	Resp:	39691
Ion	Ratio	Lower	Upper
70	100		
42	35.2	49.1	73.7#
101	0.0	8.5	12.7#
130	1.8	13.4	20.0#



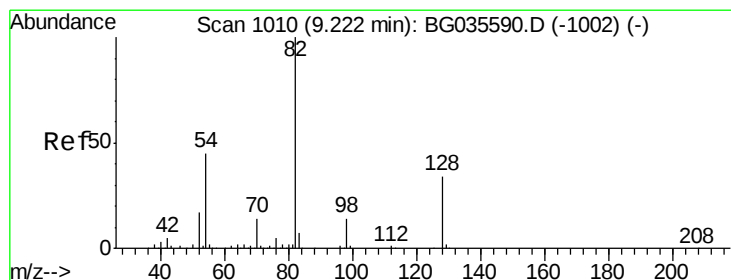
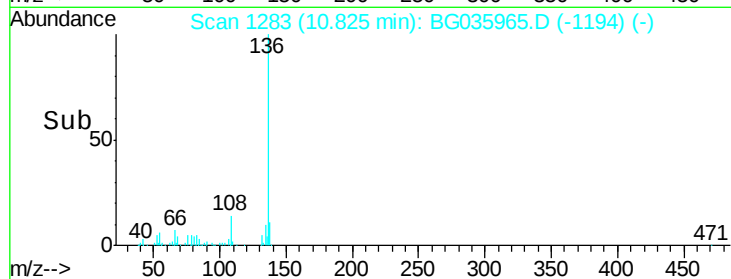
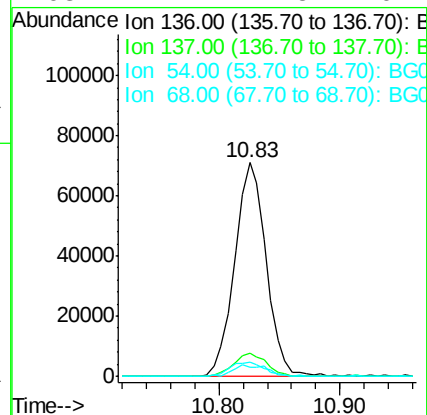
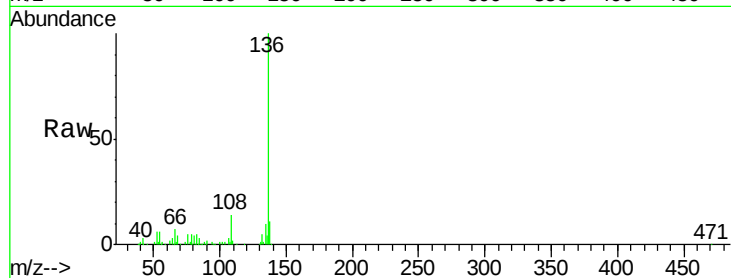
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





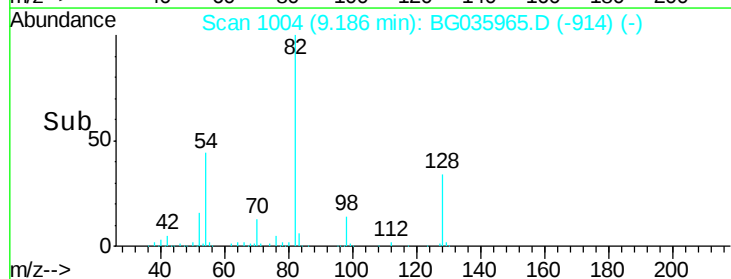
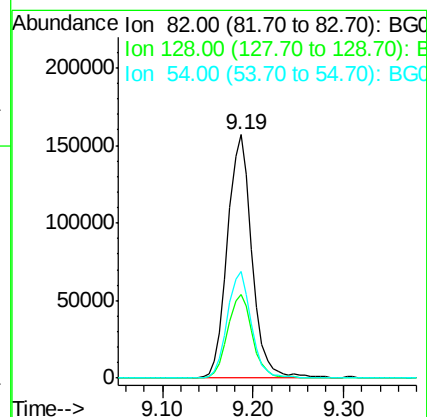
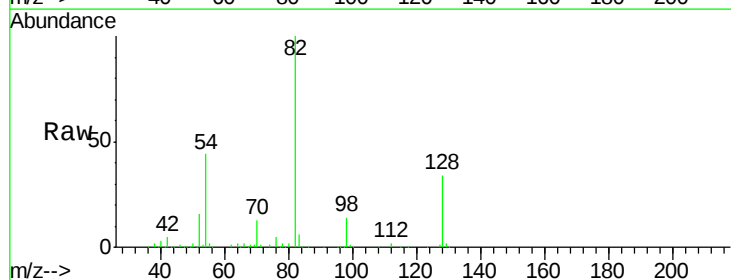
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG035965.D
Acq: 28 Jul 2018 9:40

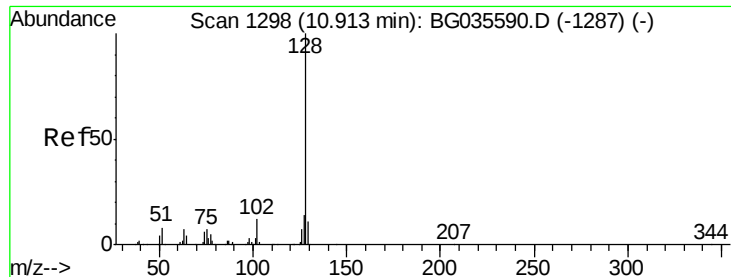
Tgt Ion:	136	Resp:	129107
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.3	10.3	15.5#
68	4.4	4.5	6.7#



#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

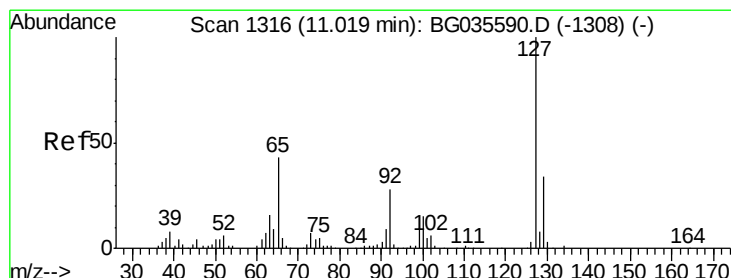
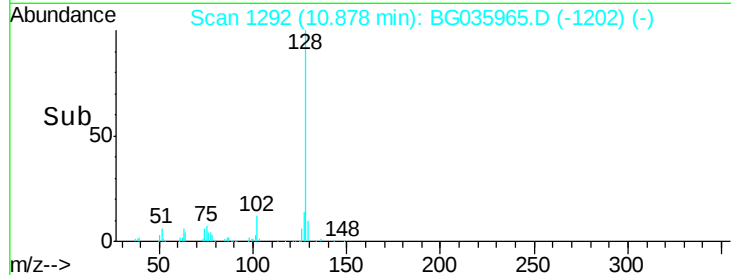
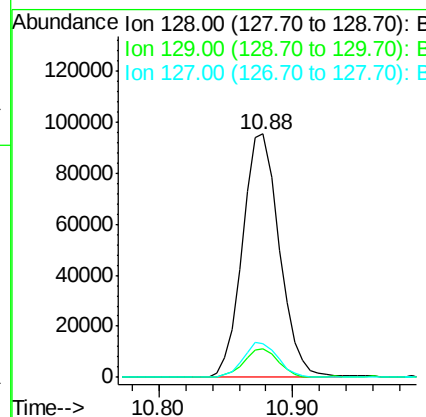
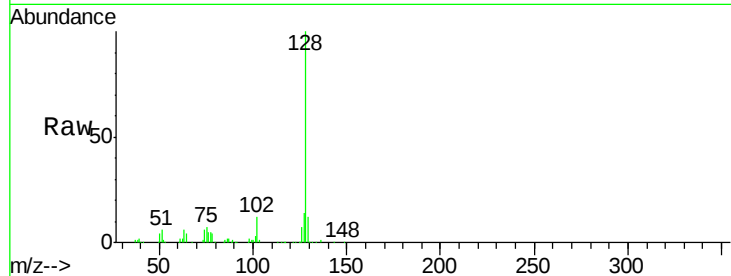
Tgt Ion:	82	Resp:	295262
Ion	Ratio	Lower	Upper
82	100		
128	34.2	29.7	44.5
54	43.7	43.1	64.7





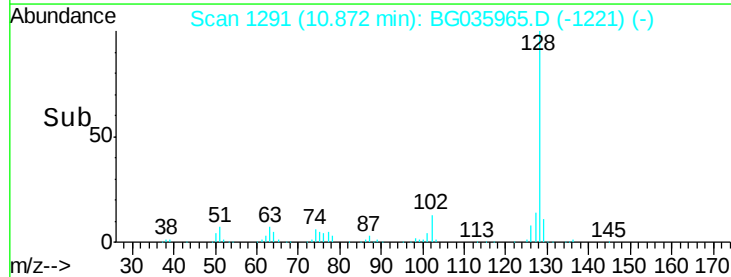
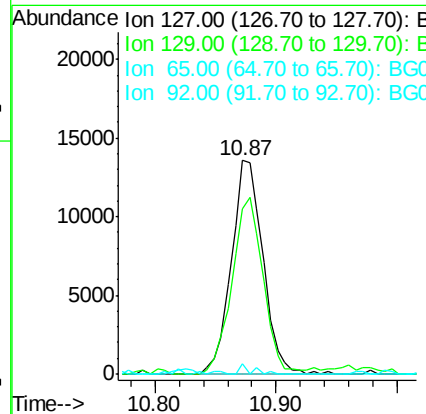
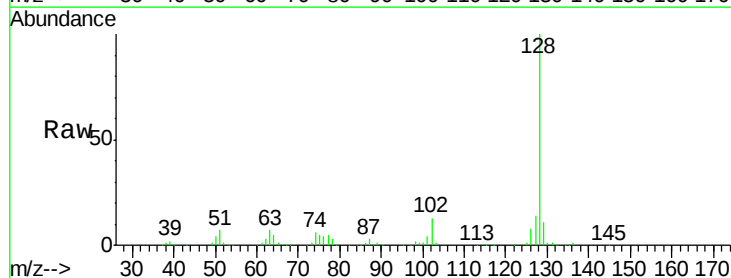
#31
Naphthalene
Concen: 27.092 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BG035965.D
Acq: 28 Jul 2018 9:40

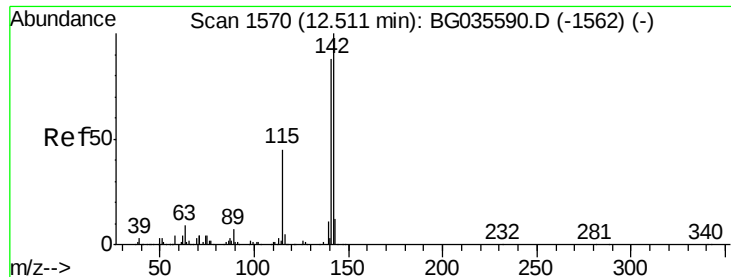
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.6	12.8
127	14.1	11.6	17.4



#33
4-Chloroaniline
Concen: 8.405 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.12 min
Lab File: BG035965.D
Acq: 28 Jul 2018 9:40

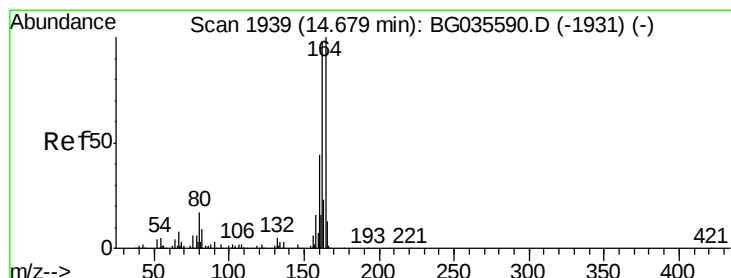
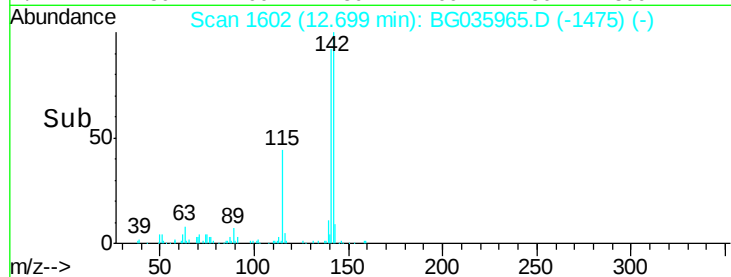
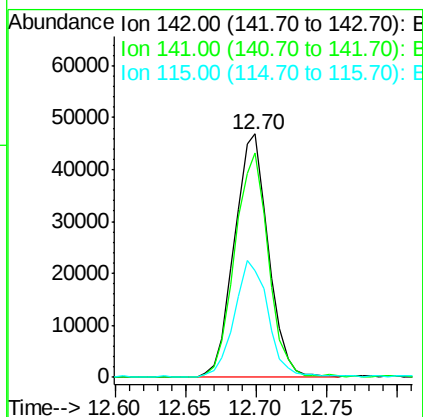
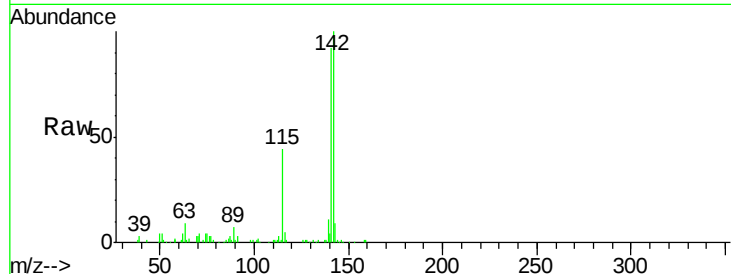
Tgt Ion	Ratio	Lower	Upper
127	100		
129	77.4	24.0	36.0#
65	4.7	27.0	40.4#
92	0.0	16.6	25.0#





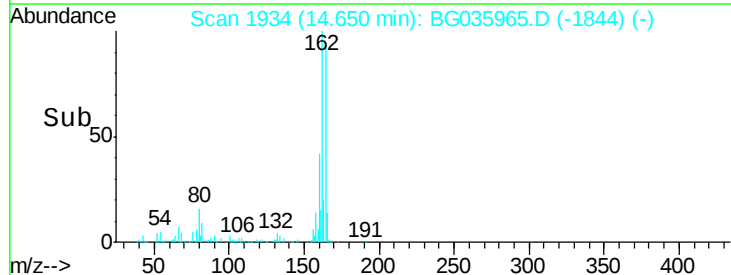
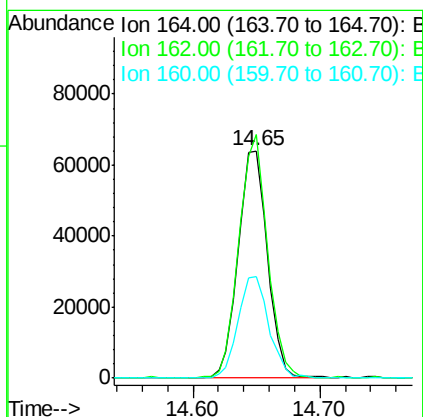
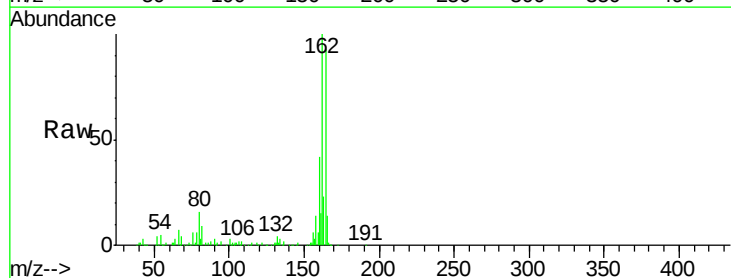
#37
 2-Methylnaphthalene
 Concen: 15.743 ng
 RT: 12.70 min Scan# 1602
 Delta R.T. 0.22 min
 Lab File: BG035965.D
 Acq: 28 Jul 2018 9:40

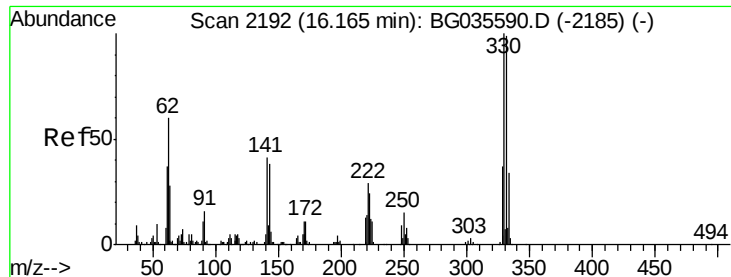
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	67.1	100.7
115	43.9	30.7	46.1



#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

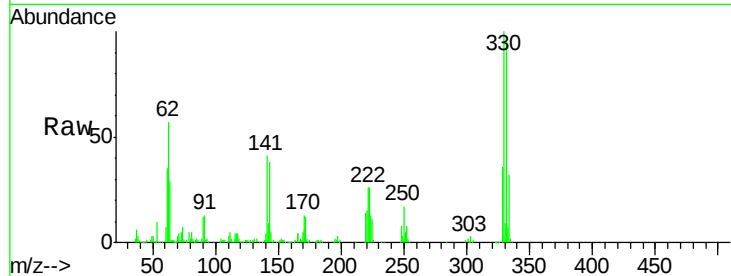
Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.1	78.8	118.2
160	44.7	35.4	53.0



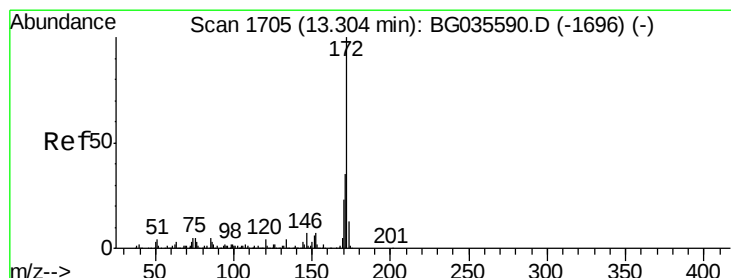
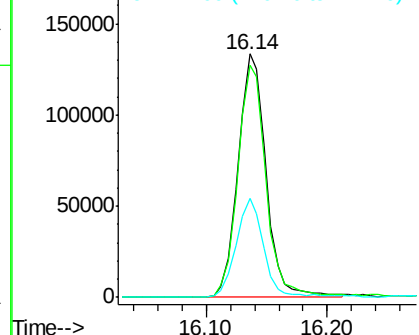
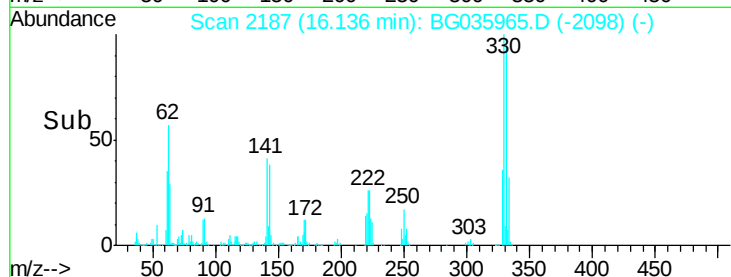


#41
 2,4,6-Tribromophenol
 Concen: 159.802 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BG035965.D
 Acq: 28 Jul 2018 9:40

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#

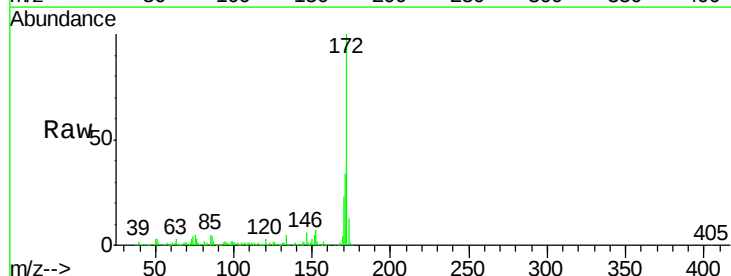


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

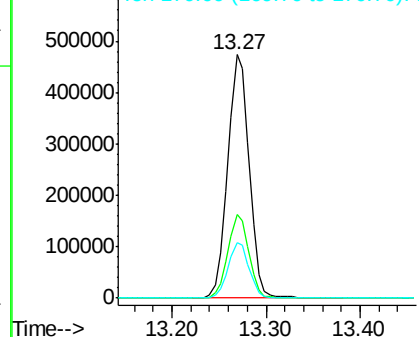
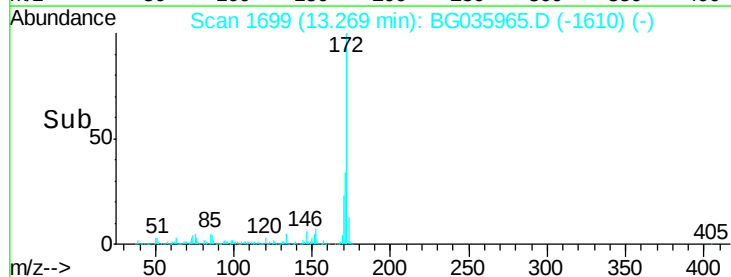


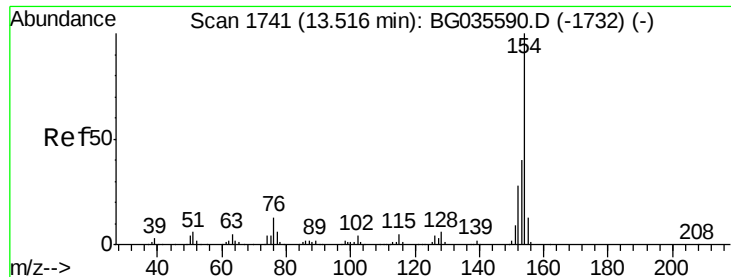
#44
 2-Fluorobiphenyl
 Concen: 97.927 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG035965.D
 Acq: 28 Jul 2018 9:40

Tgt Ion: 172 Resp: 750899
 Ion Ratio Lower Upper
 172 100
 171 34.1 30.0 45.0
 170 22.8 19.5 29.3



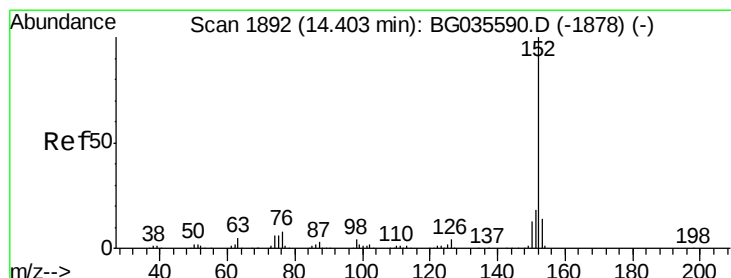
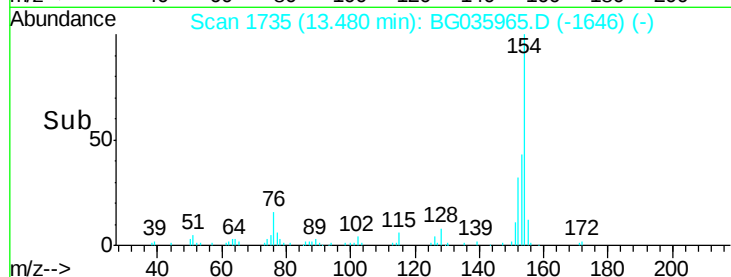
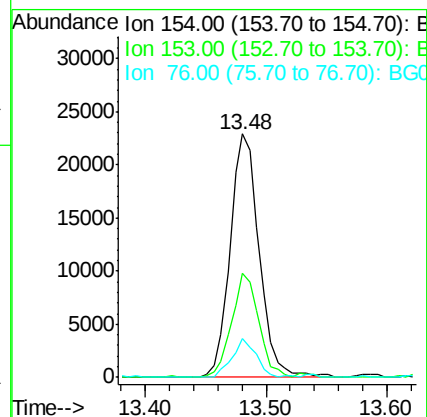
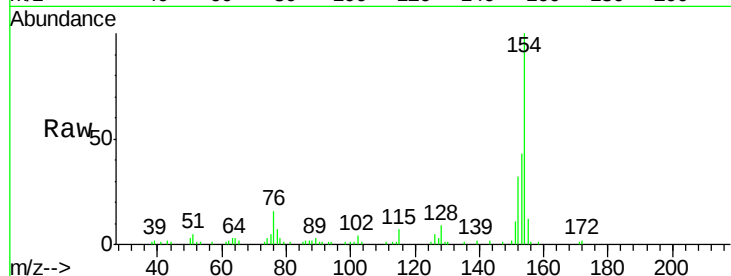
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





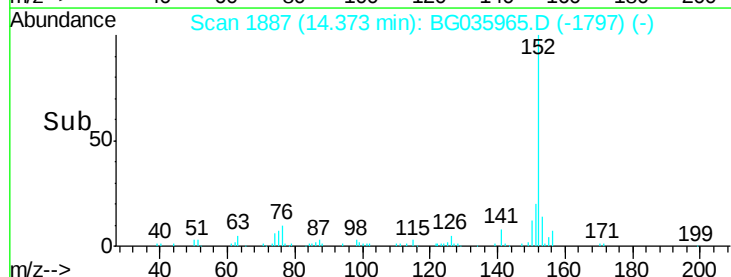
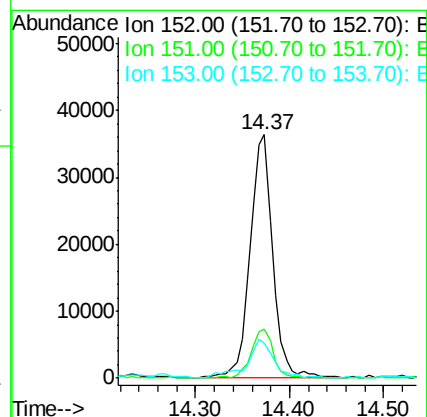
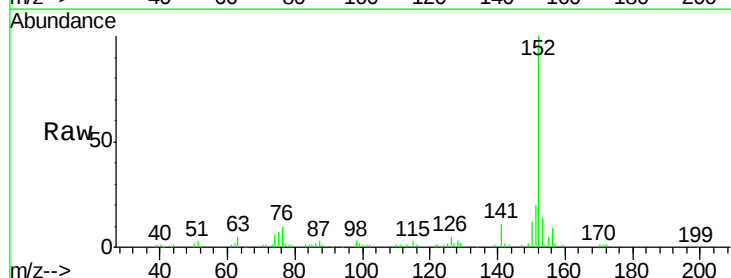
#45
 1,1'-Biphenyl
 Concen: 4.790 ng
 RT: 13.48 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG035965.D
 Acq: 28 Jul 2018 9:40

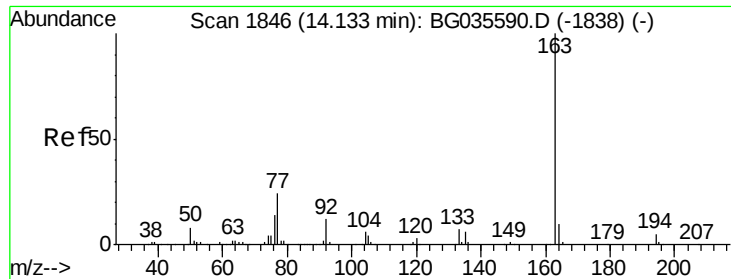
Tgt Ion:	154	Resp:	38150
Ion Ratio	Lower	Upper	
154	100		
153	42.7	19.8	59.8
76	15.8	0.0	31.9



#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

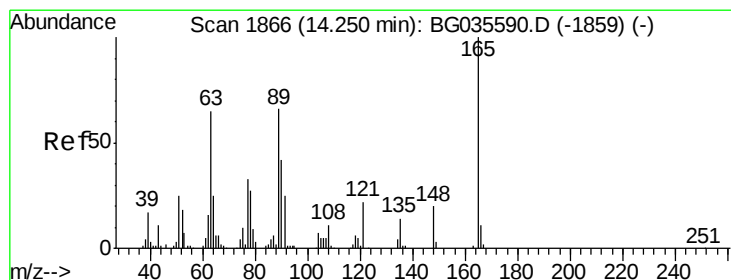
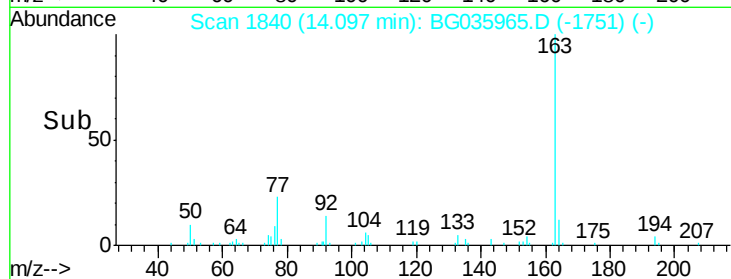
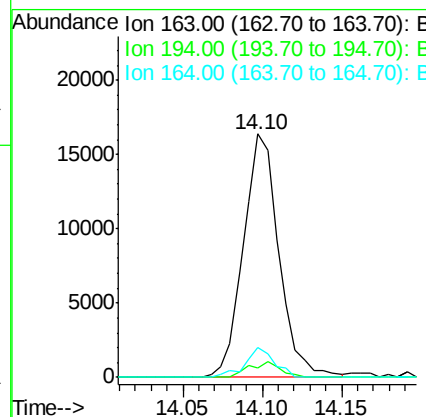
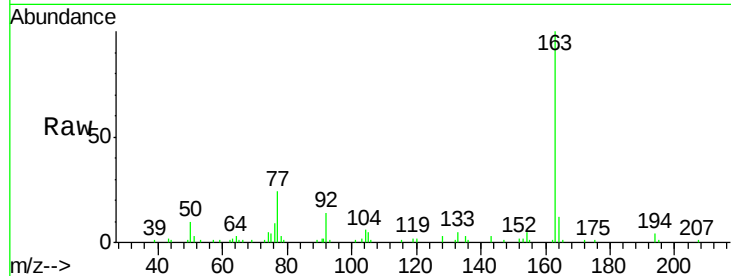
Tgt Ion:	152	Resp:	60944
Ion Ratio	Lower	Upper	
152	100		
151	20.0	17.2	25.8
153	14.4	10.2	15.4





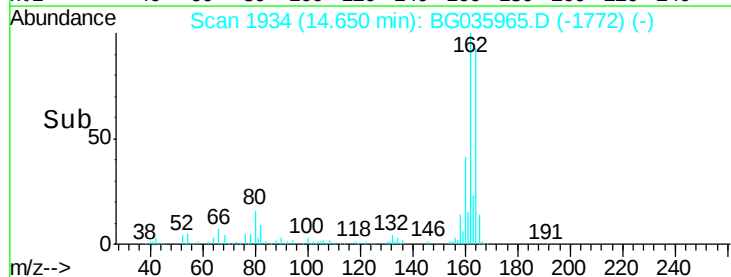
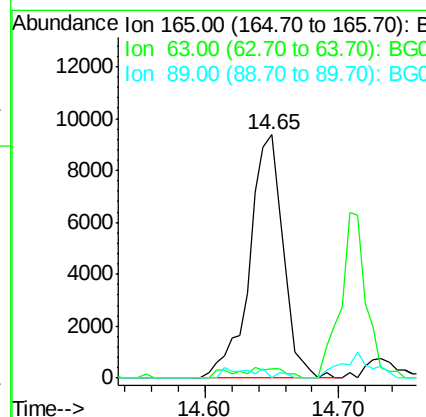
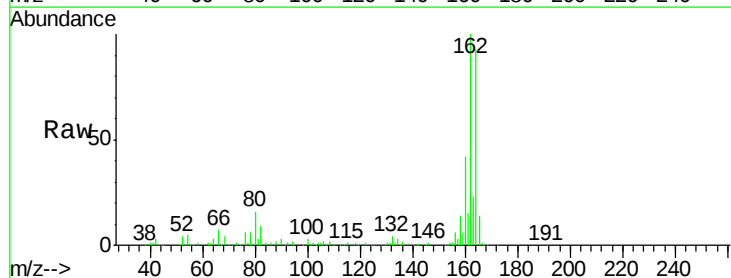
#49
Dimethylphthalate
Concen: 2.837 ng
RT: 14.10 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BG035965.D
Acq: 28 Jul 2018 9:40

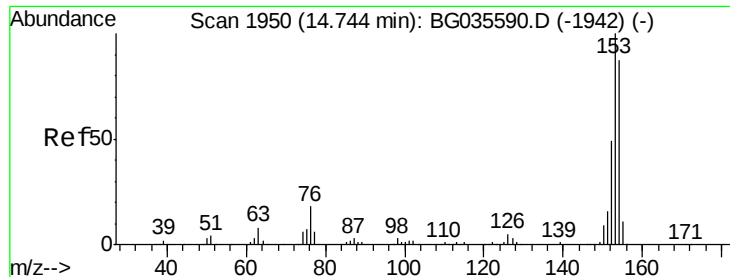
Tgt Ion:163 Resp: 25538
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 12.4 8.2 12.4#



#50
2,6-Dinitrotoluene
Concen: 8.832 ng
RT: 14.65 min Scan# 1934
Delta R.T. 0.42 min
Lab File: BG035965.D
Acq: 28 Jul 2018 9:40

Tgt Ion:165 Resp: 16189
Ion Ratio Lower Upper
165 100
63 3.8 52.7 79.1#
89 0.0 49.2 73.8#





#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

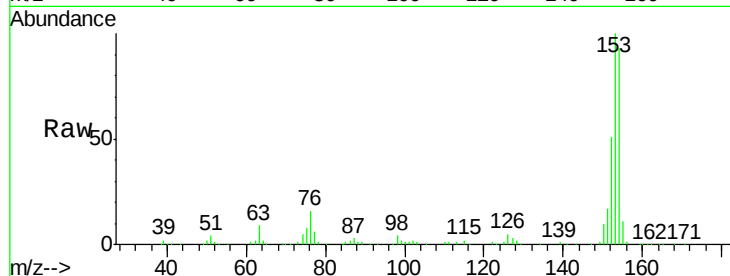
Tgt Ion:154 Resp: 103731

Ion Ratio Lower Upper

154 100

153 107.4 90.4 135.6

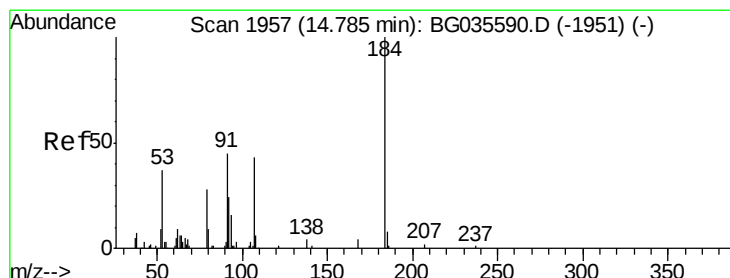
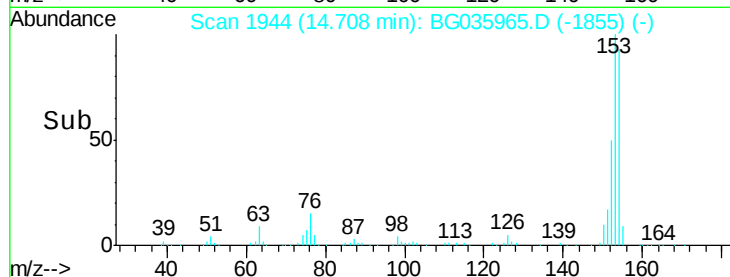
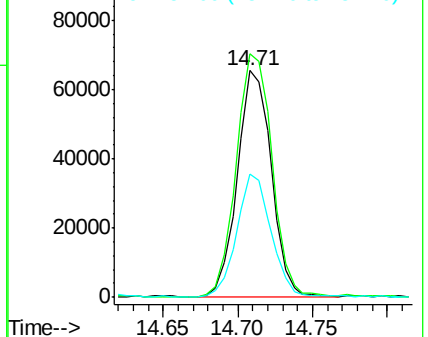
152 54.3 41.6 62.4



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



#53

2,4-Dinitrophenol

Concen: 6.655 ng

RT: 15.08 min Scan# 2008

Delta R.T. 0.32 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

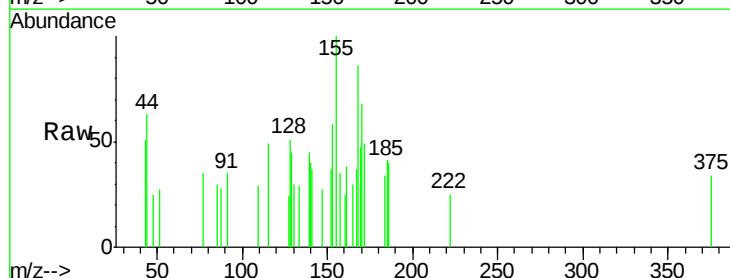
Tgt Ion:184 Resp: 75

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

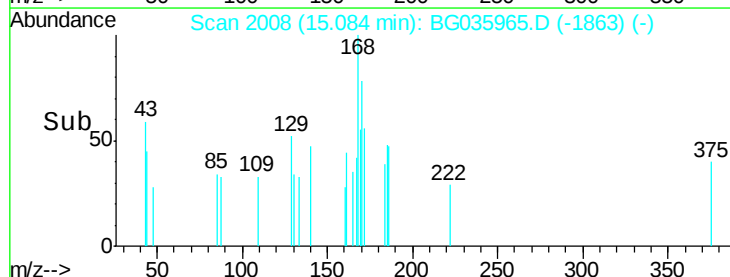
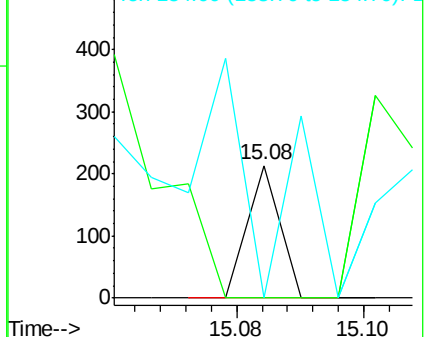
154 0.0 101.8 152.8#

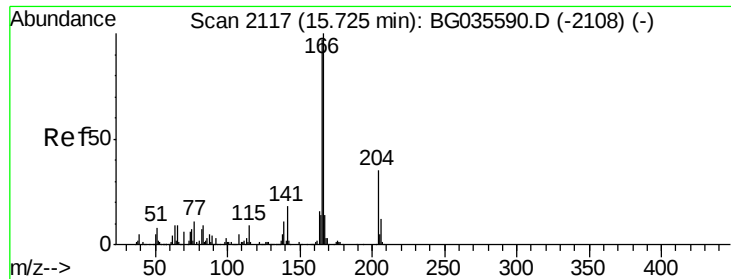


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

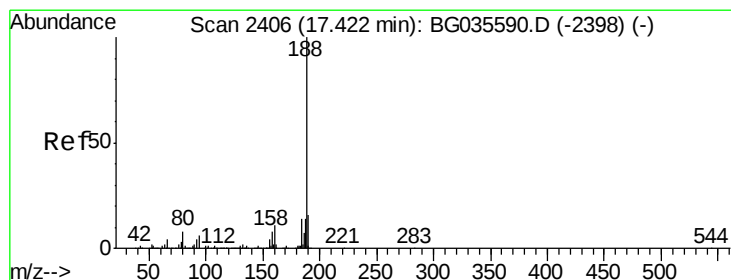
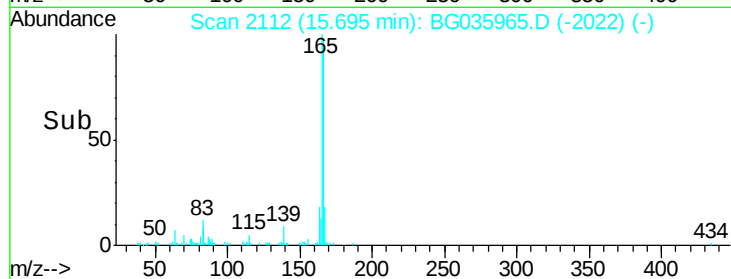
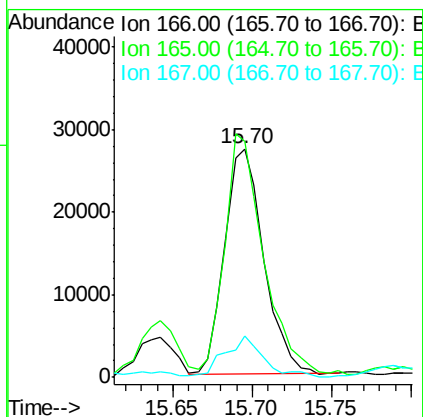
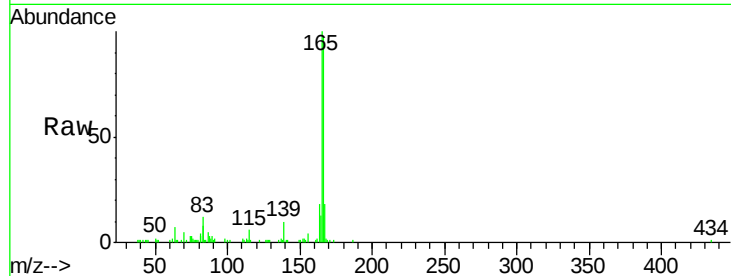
Ion 154.00 (153.70 to 154.70): E





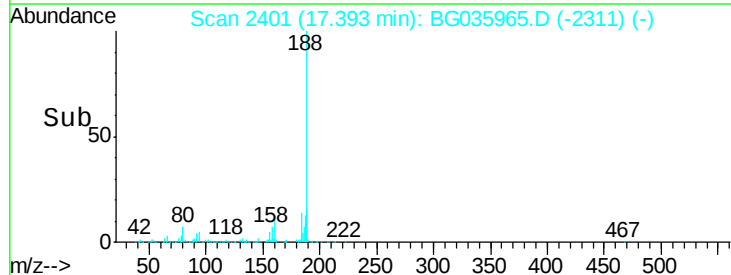
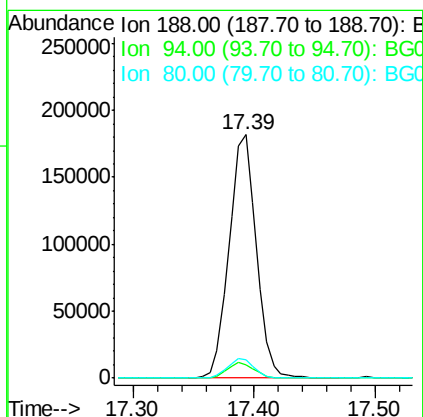
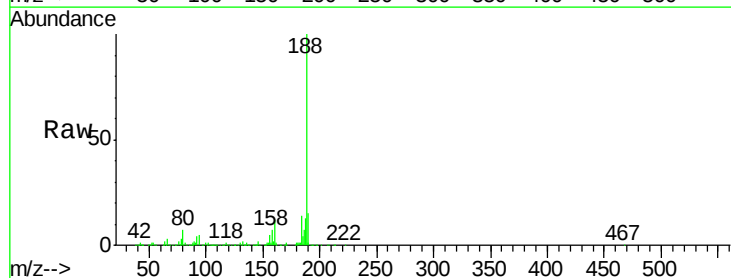
#57
Fluorene
 Concen: 5.432 ng
 RT: 15.70 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: BG035965.D
 Acq: 28 Jul 2018 9:40

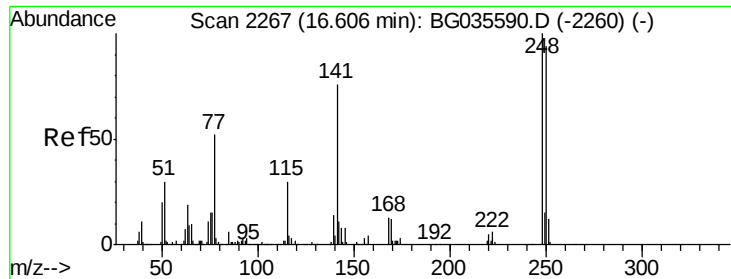
Tgt Ion:166 Resp: 46811
 Ion Ratio Lower Upper
 166 100
 165 103.0 80.6 121.0
 167 18.0 10.4 15.6#



#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

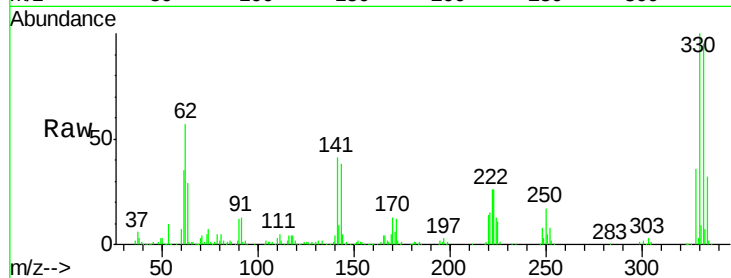
Tgt Ion:188 Resp: 284872
 Ion Ratio Lower Upper
 188 100
 94 5.3 6.9 10.3#
 80 7.3 7.7 11.5#



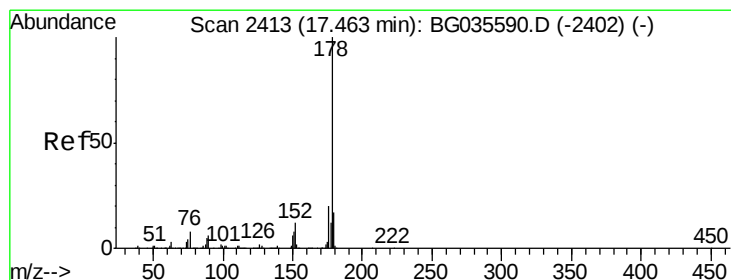
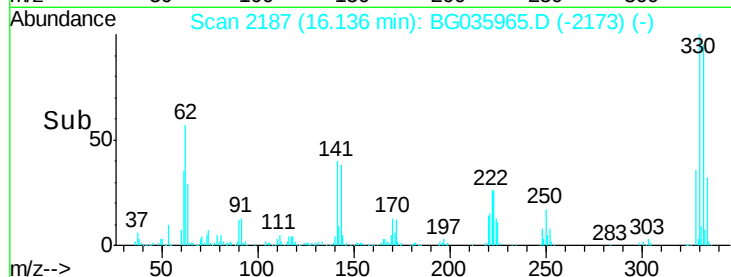
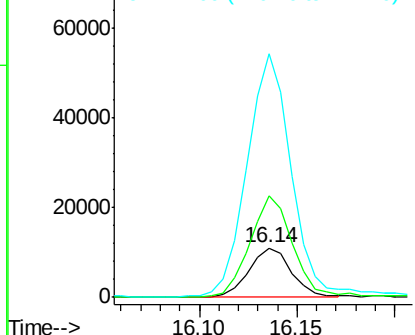


#66
 4-Bromophenyl-phenylether
 Concen: 5.053 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG035965.D
 Acq: 28 Jul 2018 9:40

Tgt Ion: 248 Resp: 16700
 Ion Ratio Lower Upper
 248 100
 250 204.9 77.1 115.7#
 141 490.9 50.8 76.2#

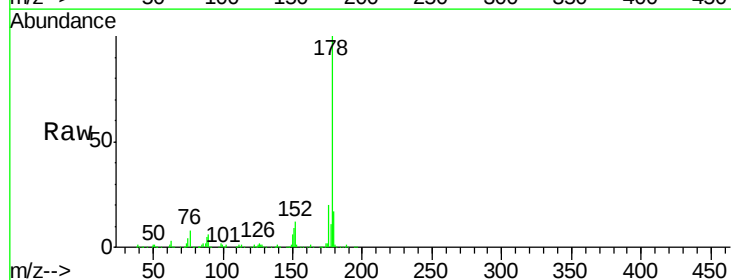


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

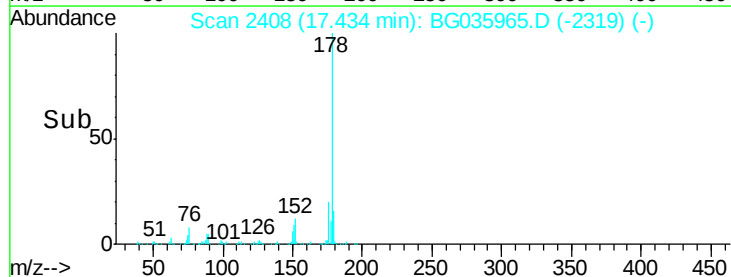
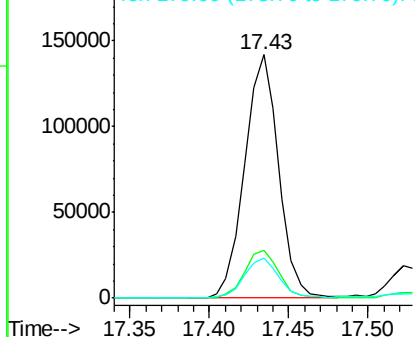


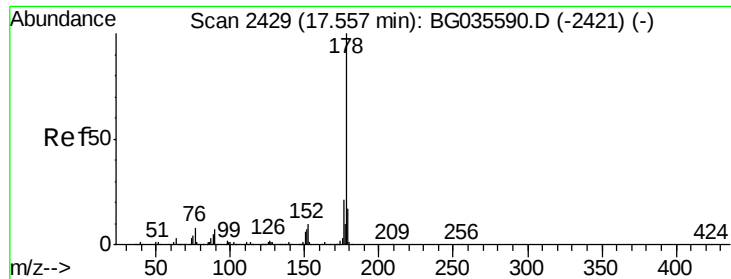
#70
 Phenanthrene
 Concen: 14.858 ng
 RT: 17.43 min Scan# 2408
 Delta R.T. -0.01 min
 Lab File: BG035965.D
 Acq: 28 Jul 2018 9:40

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



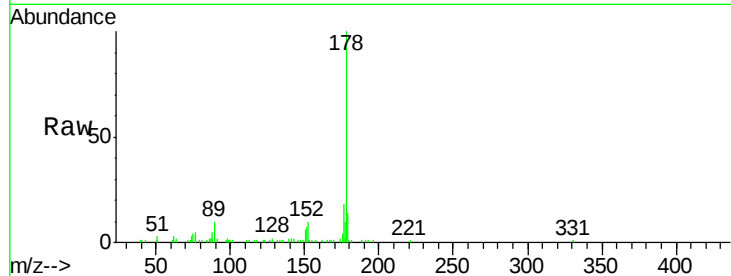
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



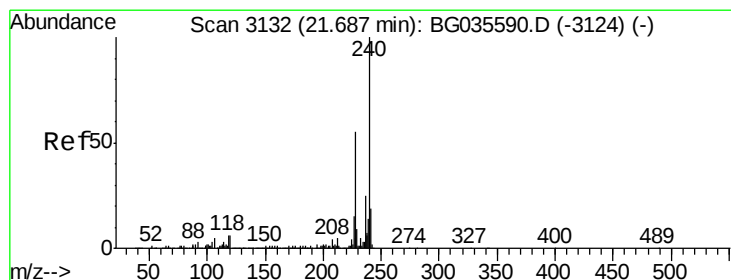
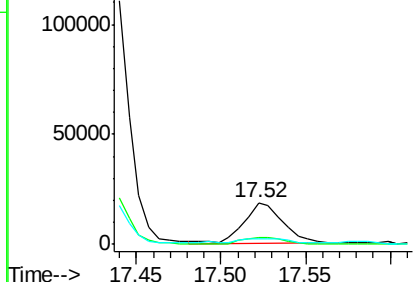
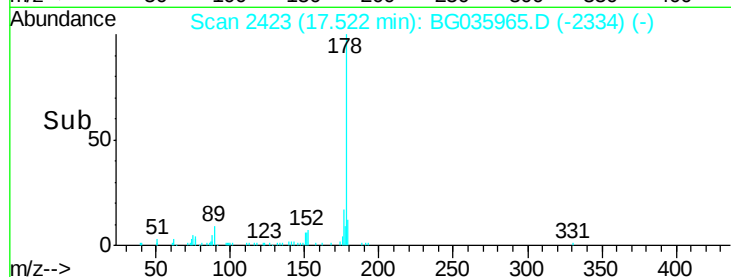


#71
 Anthracene
 Concen: 2.109 ng
 RT: 17.52 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG035965.D
 Acq: 28 Jul 2018 9:40

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

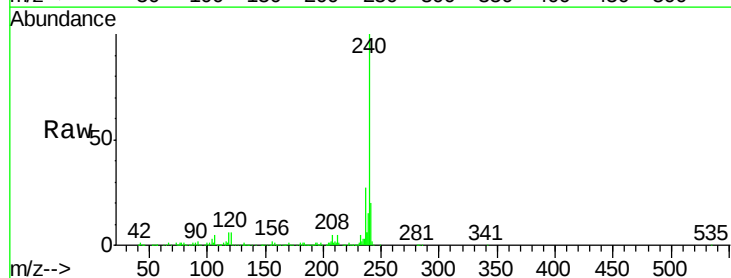


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

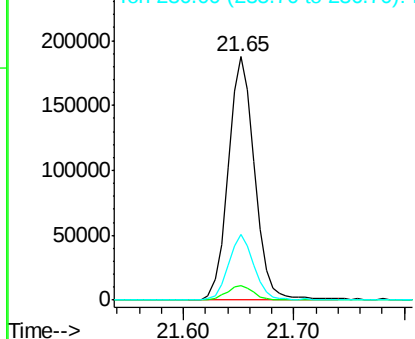
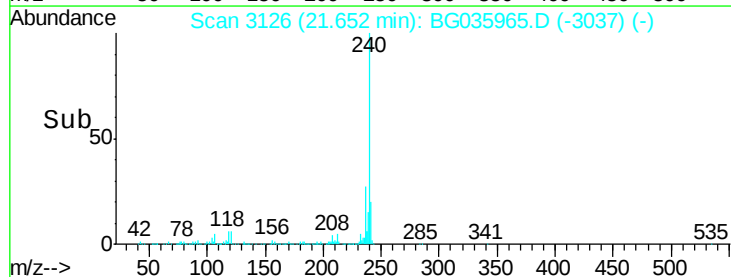


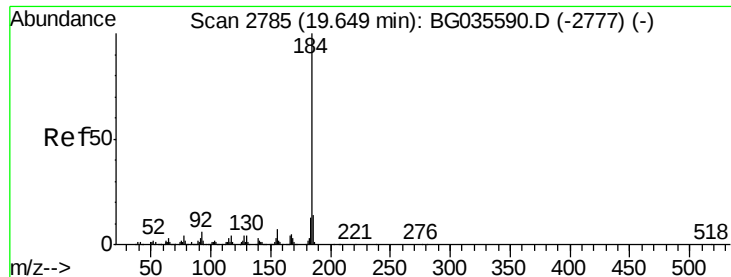
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG035965.D
 Acq: 28 Jul 2018 9:40

Tgt Ion	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





#76

Benzidine

Concen: 2.955 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG035965.D

Acq: 28 Jul 2018 9:40

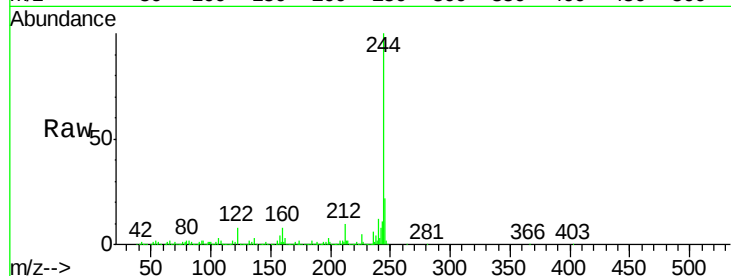
Tgt Ion:184 Resp: 24358

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

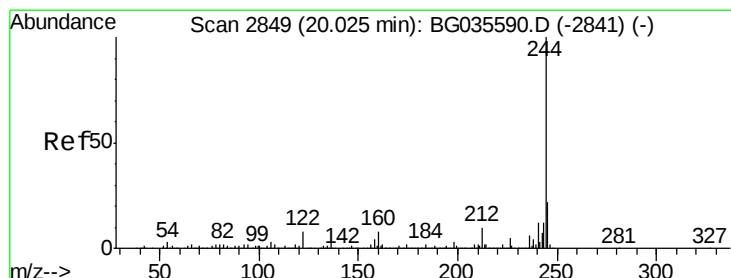
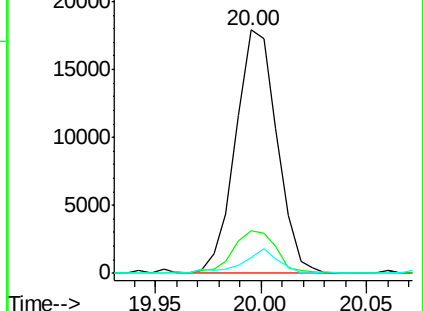
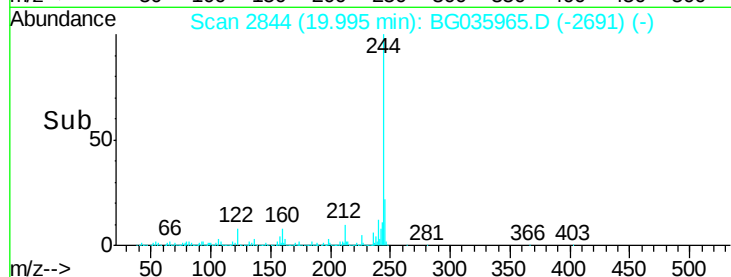
183 6.7 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): 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

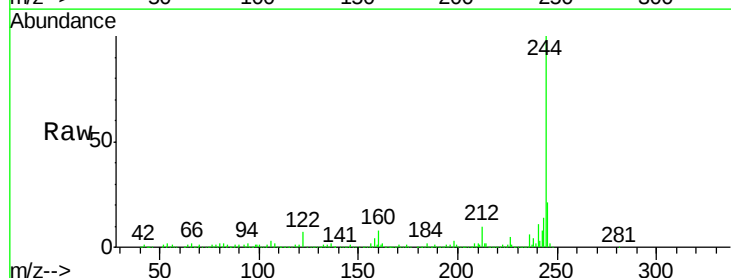
Tgt Ion:244 Resp: 1351396

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

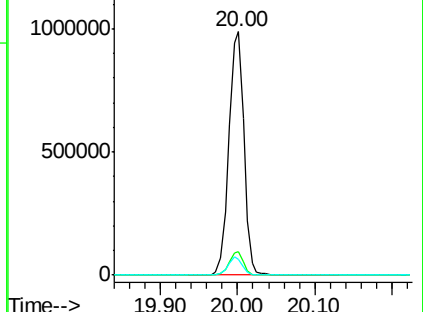
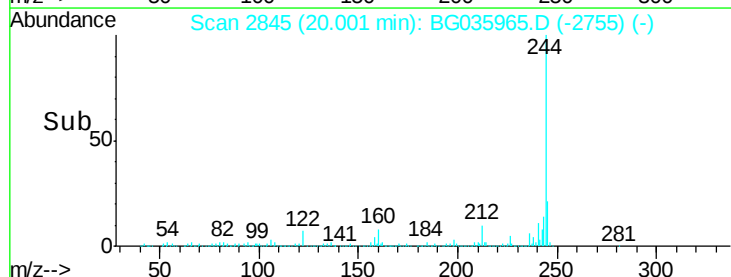
122 6.6 7.0 10.4#

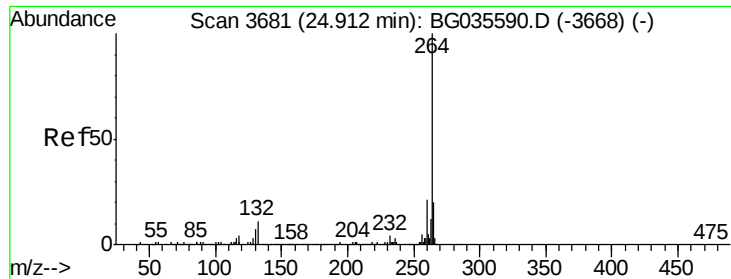


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

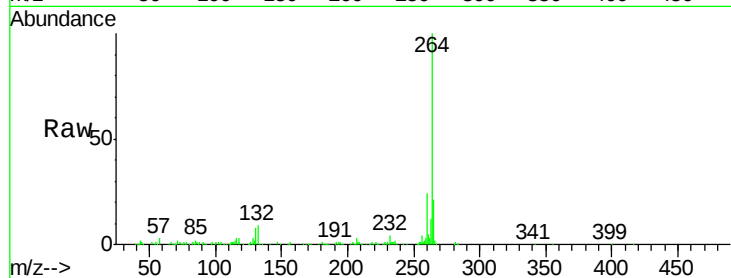
Ion 122.00 (121.70 to 122.70): E





#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

