

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072718\
 Data File : BG035952.D
 Acq On : 28 Jul 2018 1:13
 Operator : JU/SJ
 Sample : PB111438BL
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

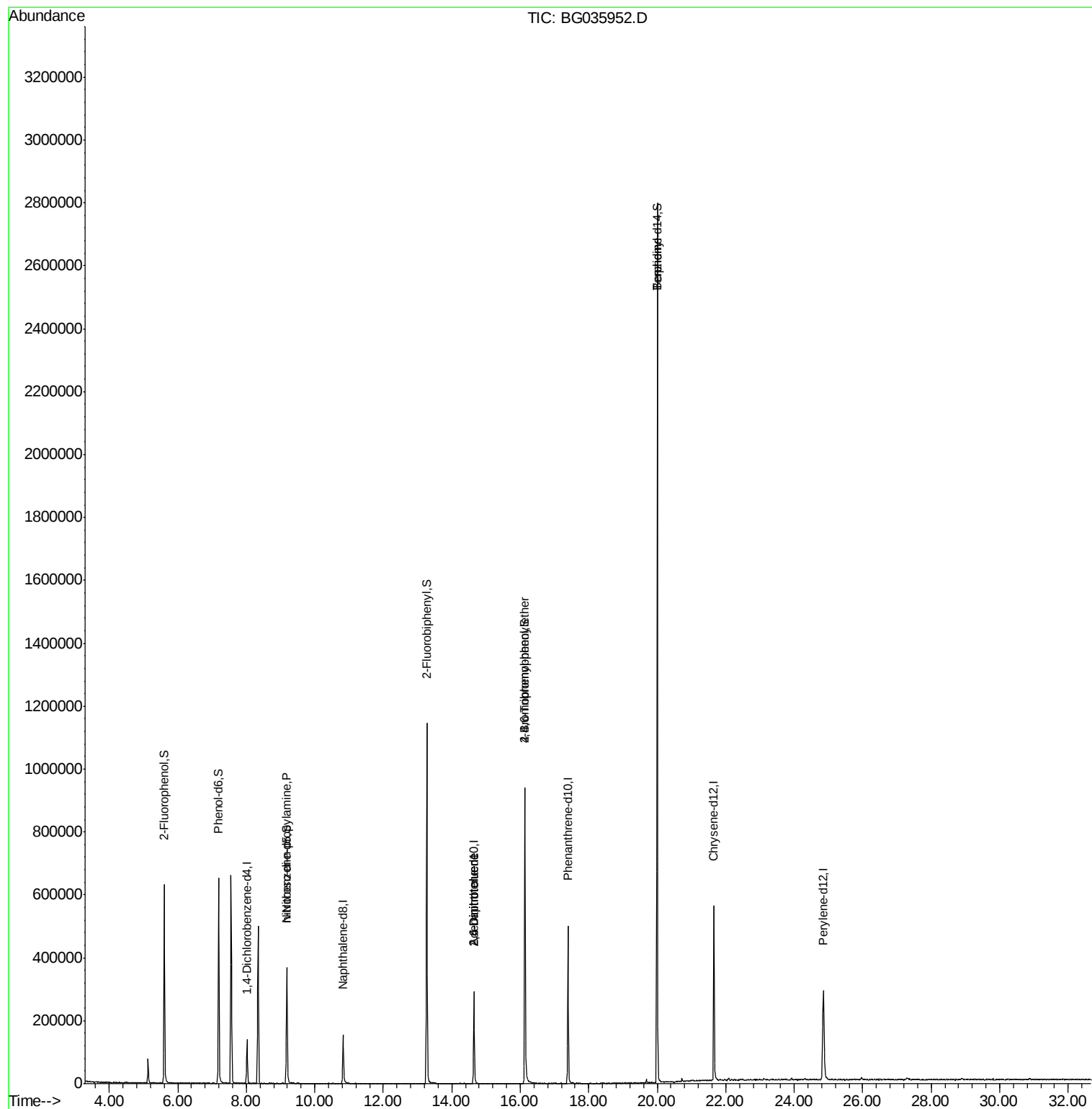
Quant Time: Jul 28 05:35:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	38370	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	147380	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	115372	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	346435	20.00	ng	0.00
75) Chrysene-d12	21.65	240	371289	20.00	ng	0.00
86) Perylene-d12	24.85	264	347249	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	284171	122.96	ng	0.00
7) Phenol-d6	7.19	99	410402	119.02	ng	0.00
23) Nitrobenzene-d5	9.19	82	261887	74.23	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	195701	128.69	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	662103	76.89	ng	0.00
78) Terphenyl-d14	20.00	244	1365957	81.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	35052	12.072	ng	# 71
50) 2,6-Dinitrotoluene	14.65	165	14238	6.917	ng	# 20
56) 2,4-Dinitrotoluene	14.65	165	14238	4.821	ng	# 17
66) 4-Bromophenyl-phenylether	16.14	248	16866	4.196	ng	# 1
76) Benzidine	20.00	184	22626	2.318	ng	# 88

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

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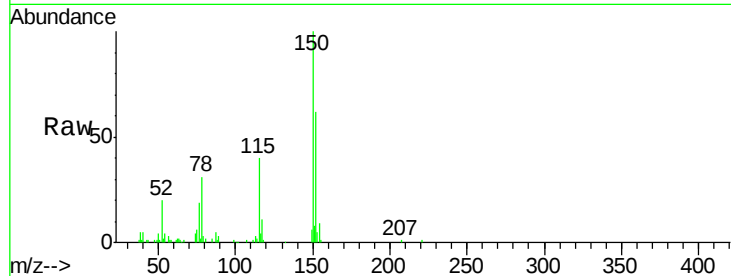




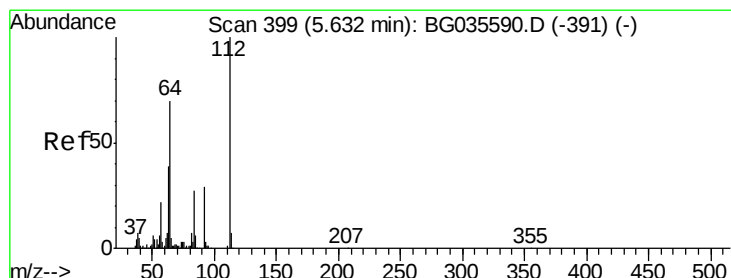
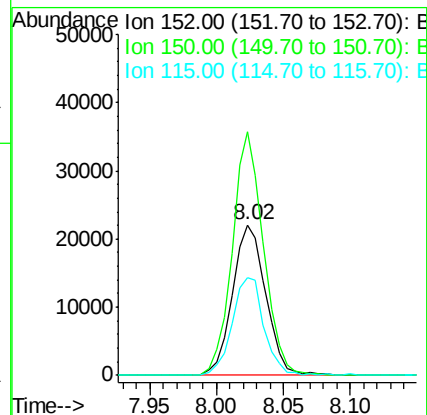
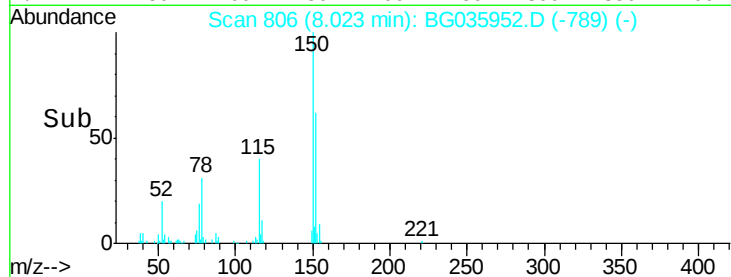
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035952.D
Acq: 28 Jul 2018 1:13

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.0	126.6	189.8
115	64.7	53.0	79.4



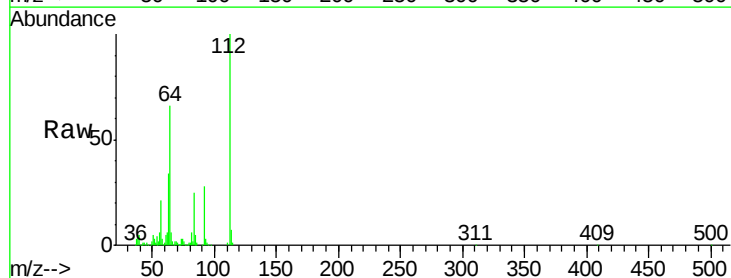
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



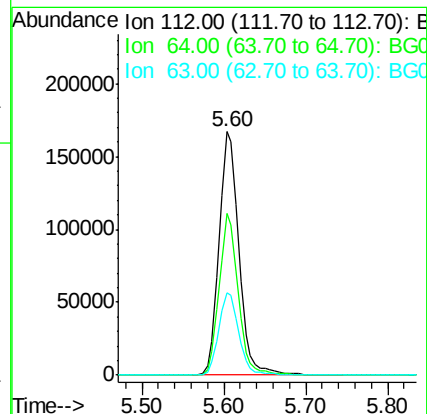
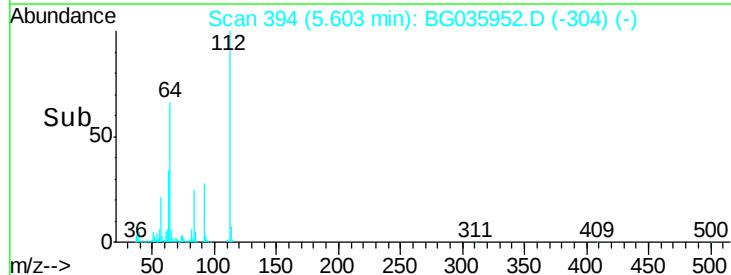
#5

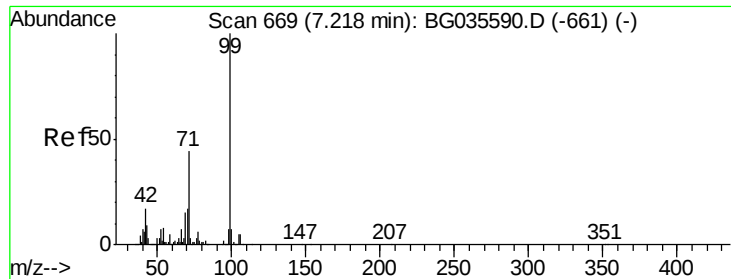
2-Fluorophenol
Concen: 122.958 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG035952.D
Acq: 28 Jul 2018 1:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	56.3	84.5
63	33.7	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: 119.021 ng

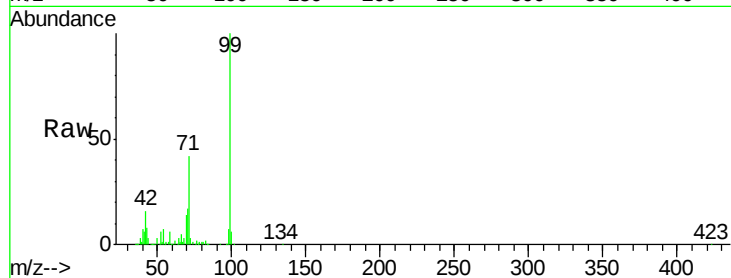
RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

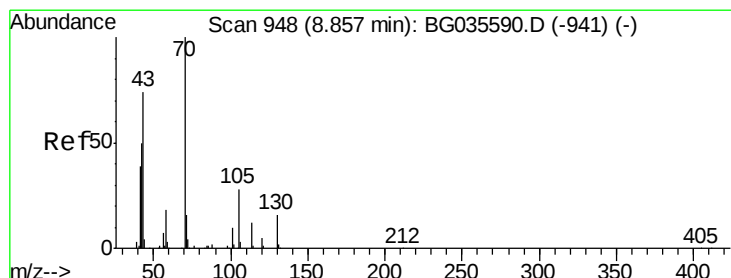
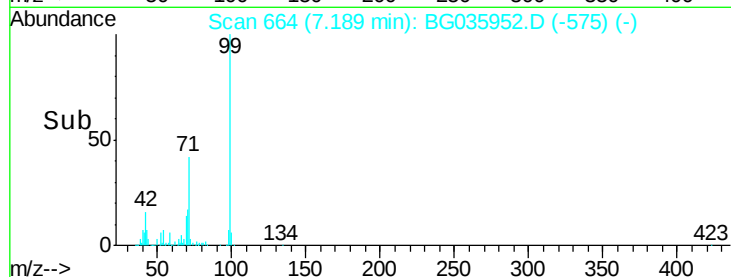
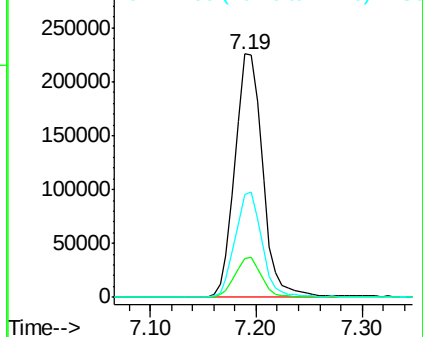
Lab File: BG035952.D

Acq: 28 Jul 2018 1:13

Tgt Ion:	99	Resp:	410402
Ion	Ratio	Lower	Upper
99	100		
42	15.7	14.1	21.1
71	42.1	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



#19

n-Nitroso-di-n-propylamine

Concen: 12.072 ng

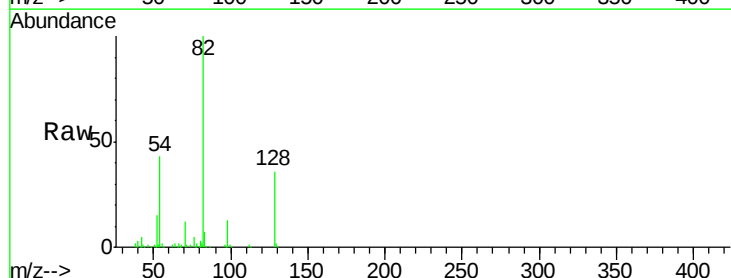
RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

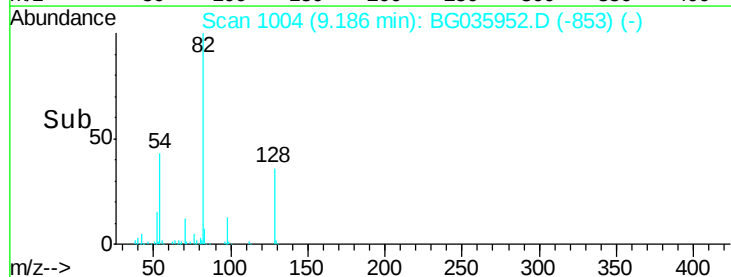
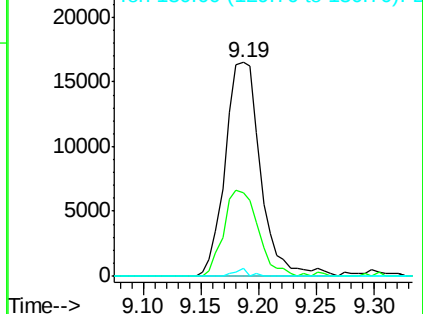
Lab File: BG035952.D

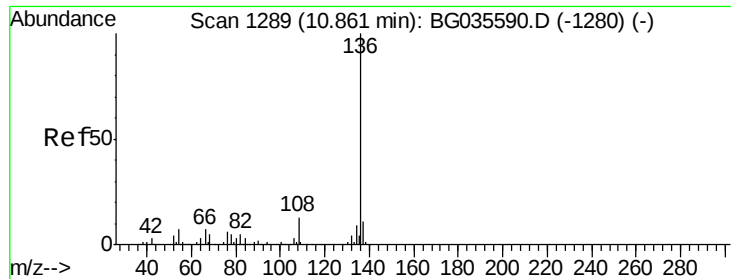
Acq: 28 Jul 2018 1:13

Tgt Ion:	70	Resp:	35052
Ion	Ratio	Lower	Upper
70	100		
42	39.0	49.1	73.7#
101	0.0	8.5	12.7#
130	3.5	13.4	20.0#



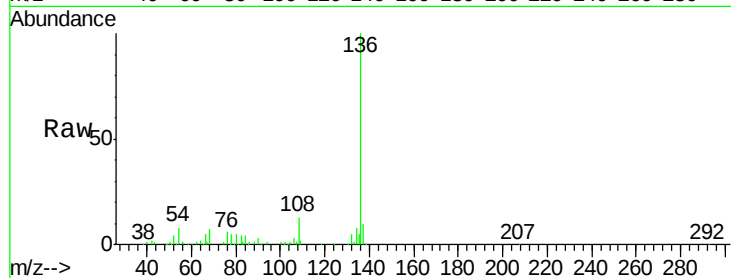
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



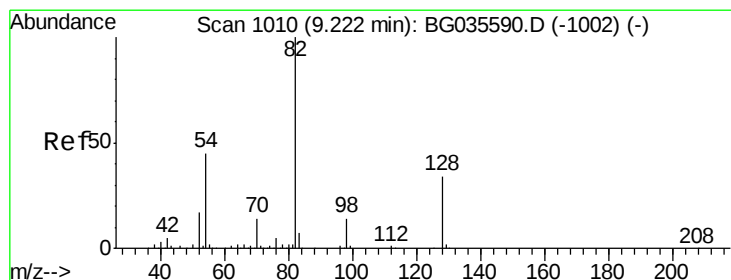
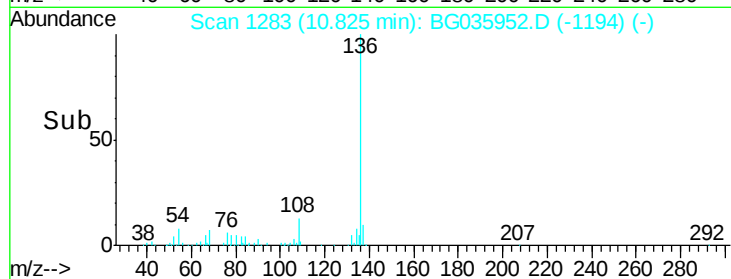
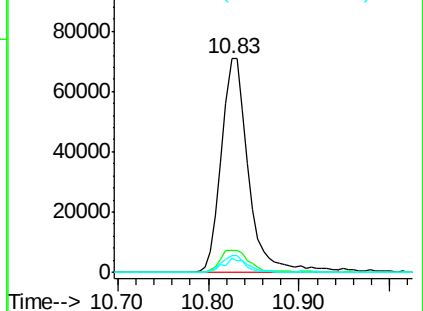


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG035952.D
Acq: 28 Jul 2018 1:13

Tgt Ion:	136	Resp:	147380
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	7.9	10.3	15.5#
68	6.6	4.5	6.7

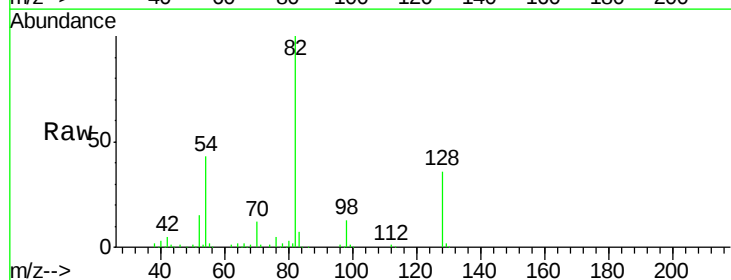


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

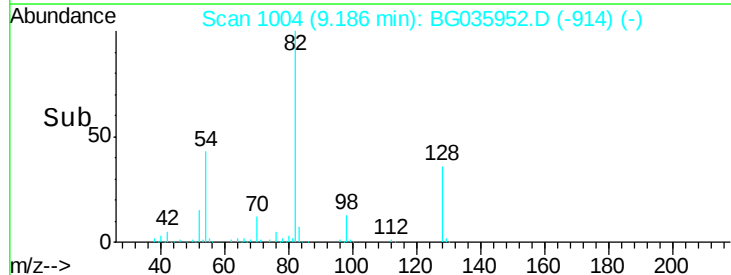
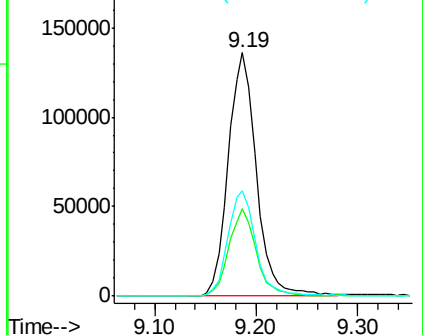


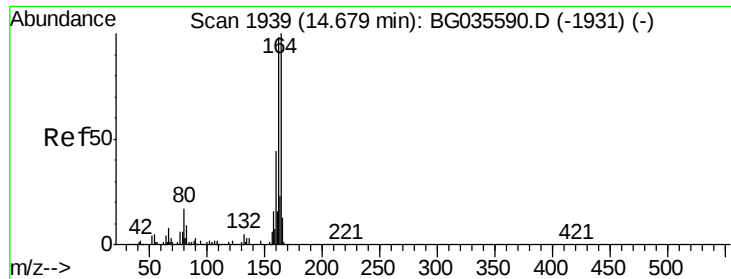
#23
Nitrobenzene-d5
Concen: 74.232 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035952.D
Acq: 28 Jul 2018 1:13

Tgt Ion:	82	Resp:	261887
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.7	44.5
54	43.2	43.1	64.7



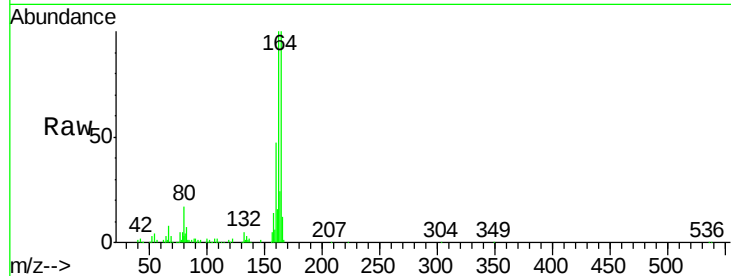
Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



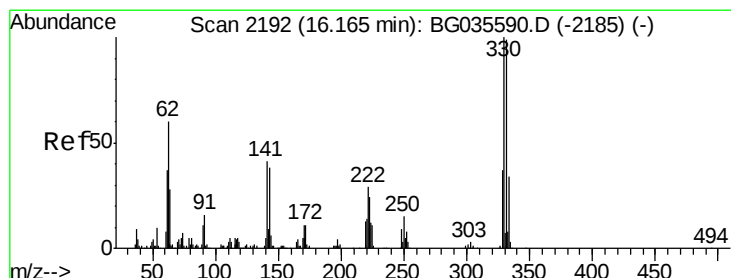
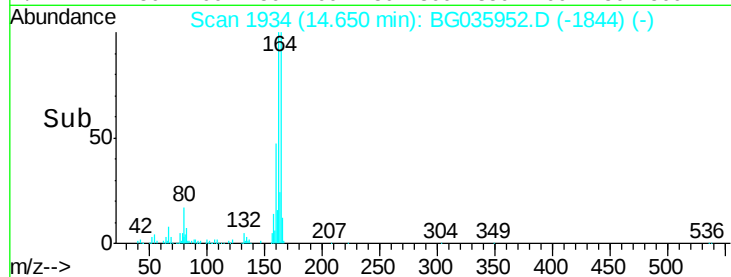
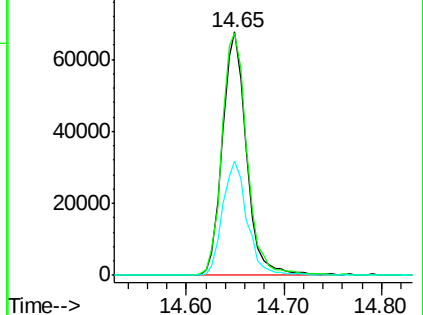


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.00 min
 Lab File: BG035952.D
 Acq: 28 Jul 2018 1:13

Tgt Ion:164 Resp: 115372
 Ion Ratio Lower Upper
 164 100
 162 99.6 78.8 118.2
 160 47.0 35.4 53.0

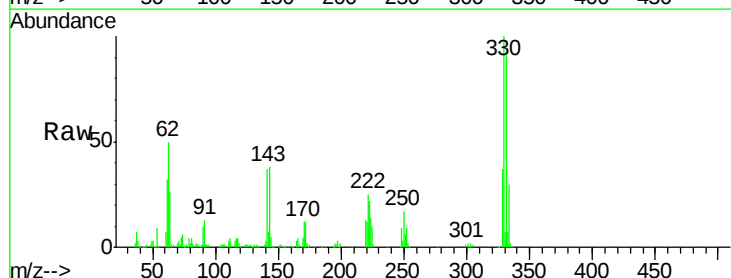


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

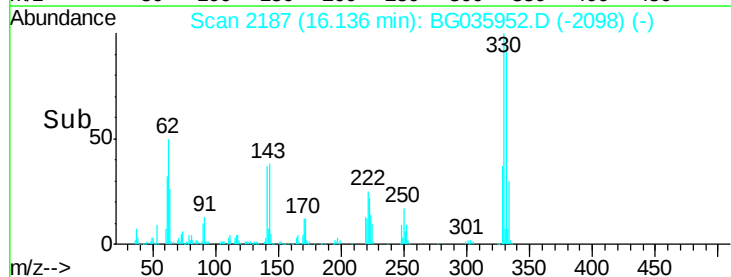
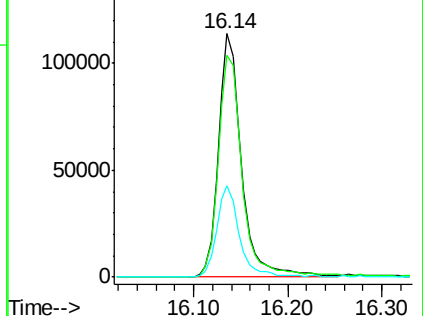


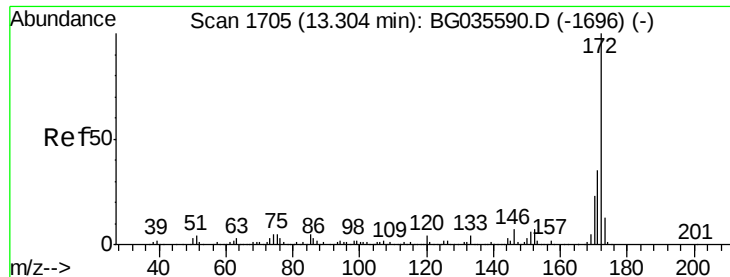
#41
 2,4,6-Tribromophenol
 Concen: 128.693 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BG035952.D
 Acq: 28 Jul 2018 1:13

Tgt Ion:330 Resp: 195701
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 36.2 25.2 37.8



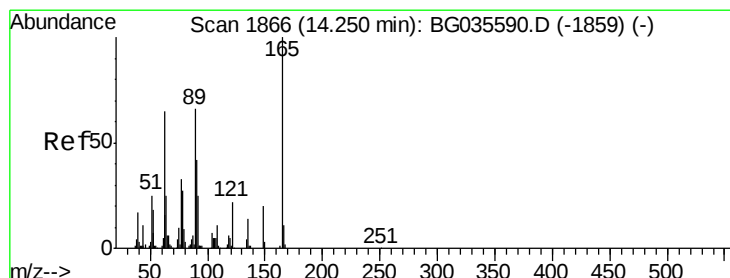
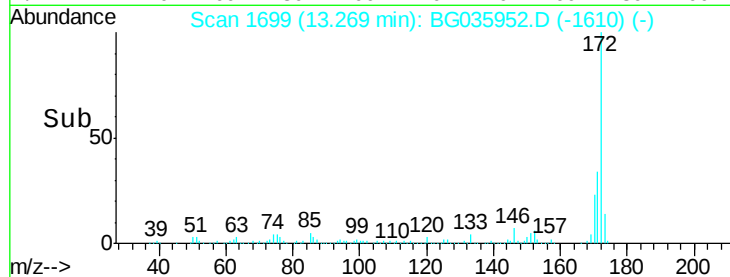
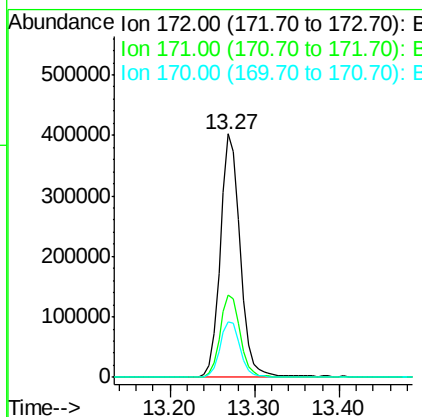
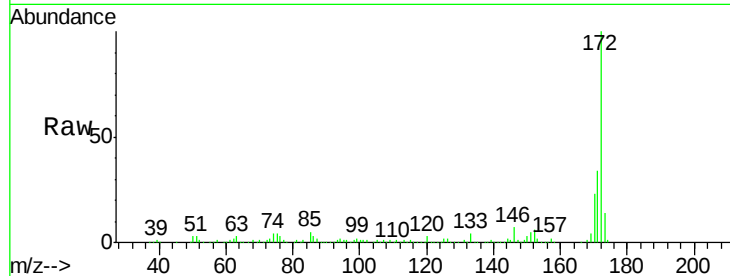
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





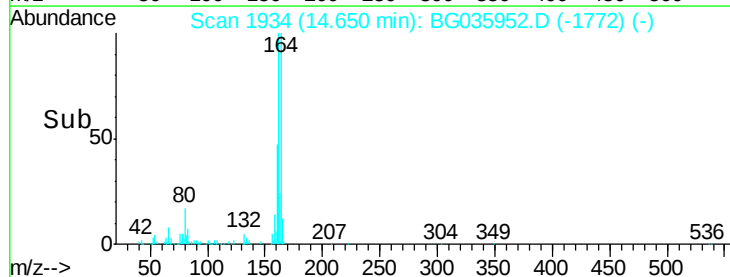
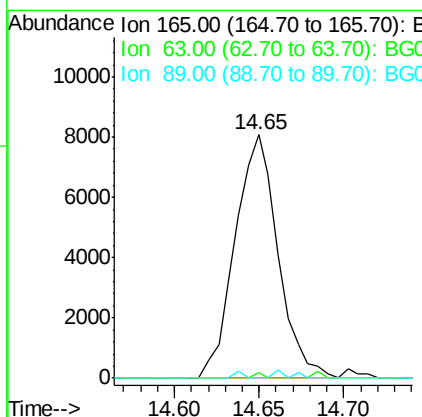
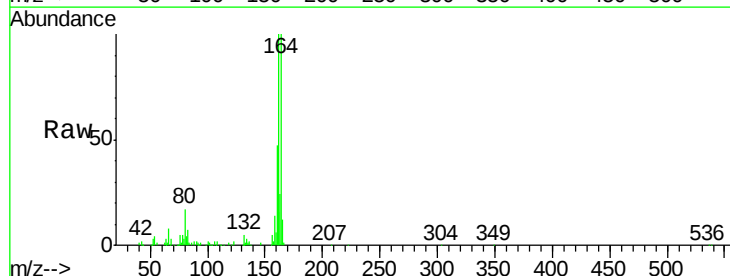
#44
 2-Fluorobiphenyl
 Concen: 76.886 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG035952.D
 Acq: 28 Jul 2018 1:13

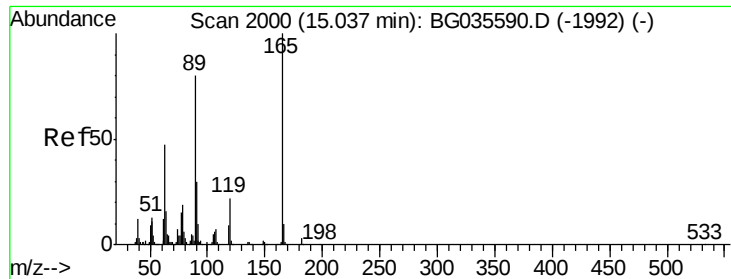
Tgt Ion:	172	Resp:	662103
Ion	Ratio	Lower	Upper
172	100		
171	34.1	30.0	45.0
170	22.8	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.917 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035952.D
 Acq: 28 Jul 2018 1:13

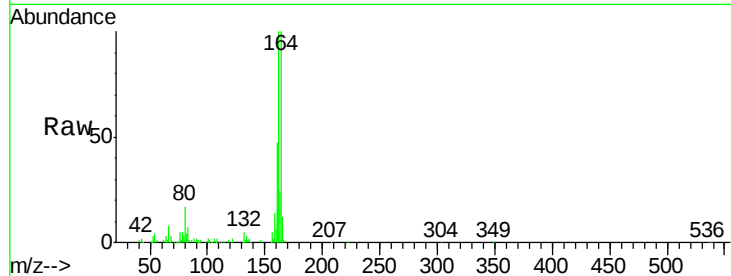
Tgt Ion:	165	Resp:	14238
Ion	Ratio	Lower	Upper
165	100		
63	2.3	52.7	79.1#
89	0.0	49.2	73.8#





#56
 2,4-Dinitrotoluene
 Concen: 4.821 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.37 min
 Lab File: BG035952.D
 Acq: 28 Jul 2018 1:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

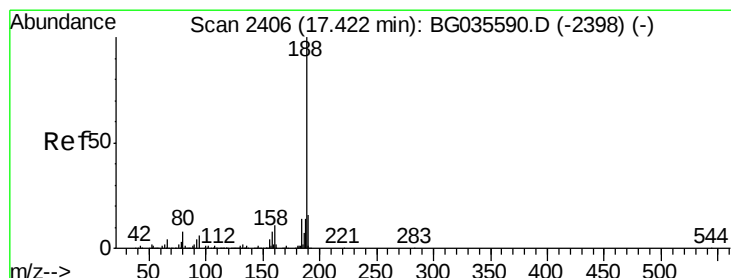
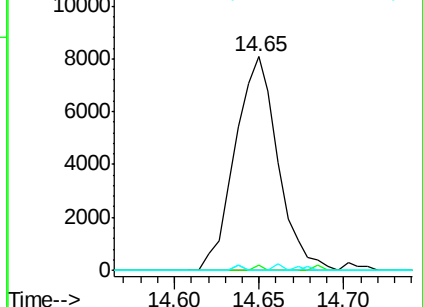
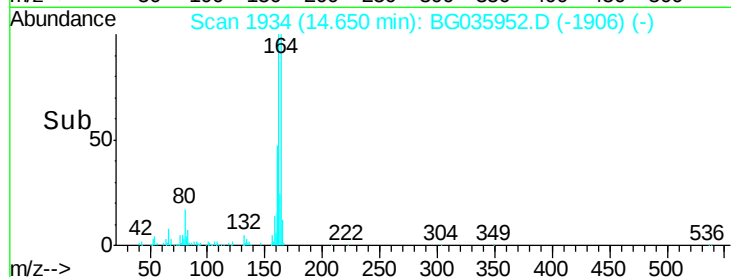


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

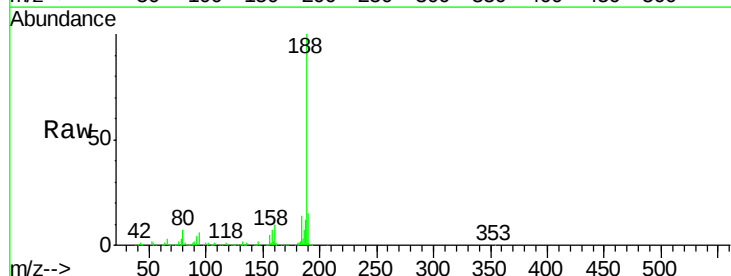
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2401
 Delta R.T. -0.00 min
 Lab File: BG035952.D
 Acq: 28 Jul 2018 1:13

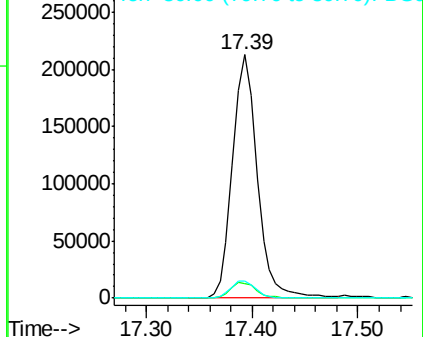
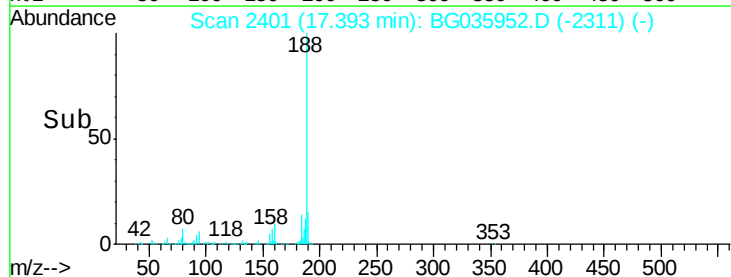
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	6.9	10.3#
80	7.2	7.7	11.5#

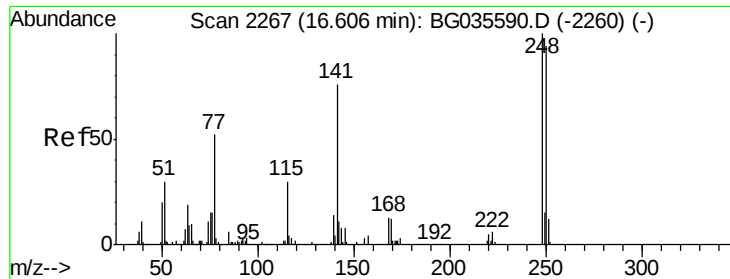


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

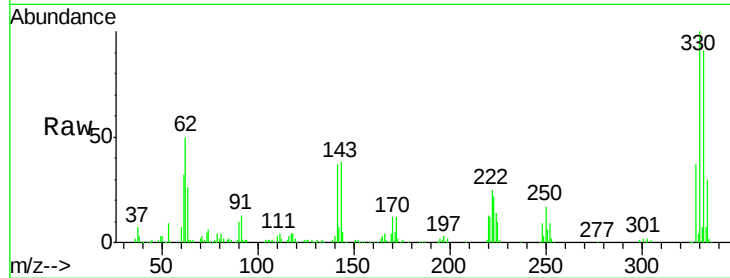
Ion 80.00 (79.70 to 80.70): BGC



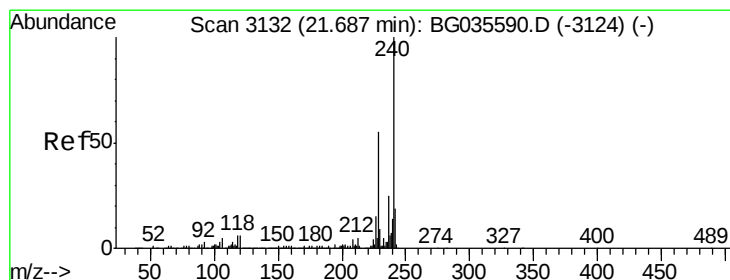
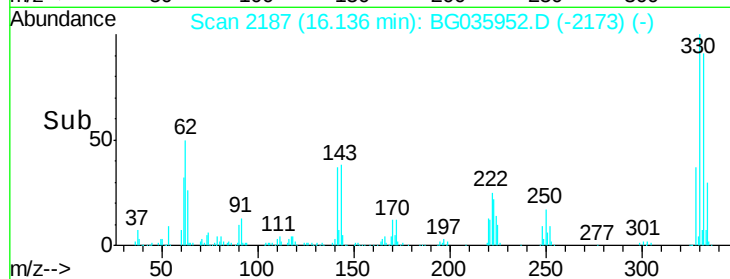
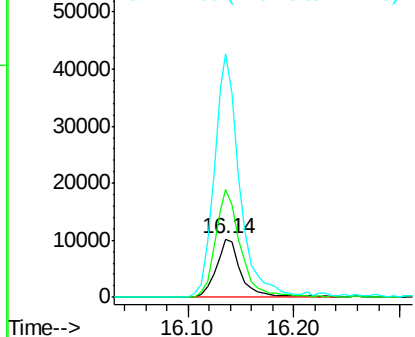


#66
 4-Bromophenyl-phenylether
 Concen: 4.196 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG035952.D
 Acq: 28 Jul 2018 1:13

Tgt Ion:248 Resp: 16866
 Ion Ratio Lower Upper
 248 100
 250 183.6 77.1 115.7#
 141 415.3 50.8 76.2#

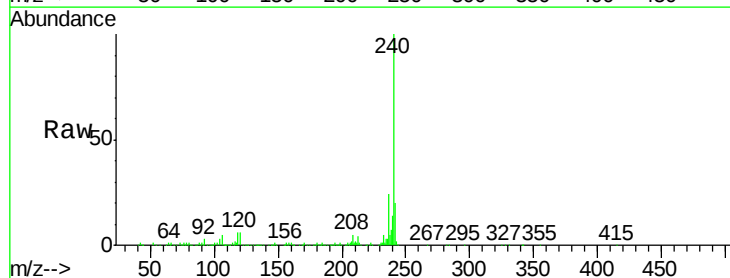


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

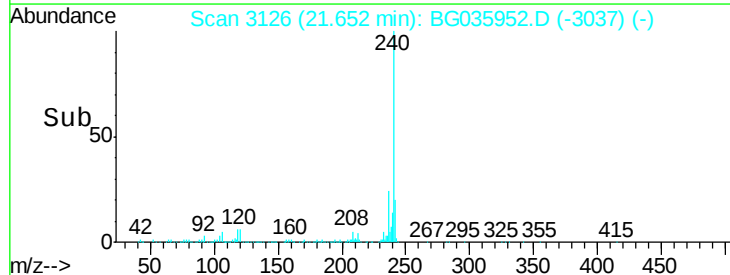
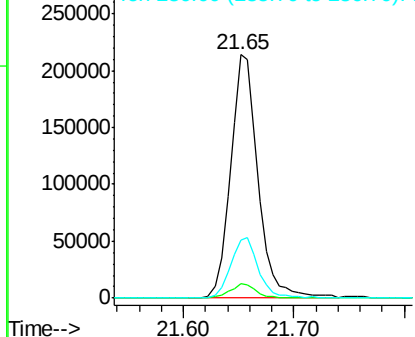


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG035952.D
 Acq: 28 Jul 2018 1:13

Tgt Ion:240 Resp: 371289
 Ion Ratio Lower Upper
 240 100
 120 5.8 6.8 10.2#
 236 23.9 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





#76

Benzidine

Concen: 2.318 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG035952.D

Acq: 28 Jul 2018 1:13

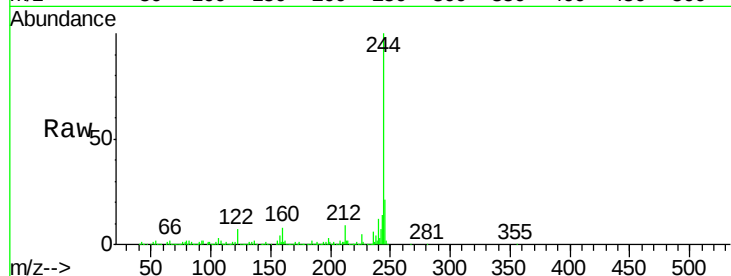
Tgt Ion:184 Resp: 22626

Ion Ratio Lower Upper

184 100

185 19.5 11.1 16.7#

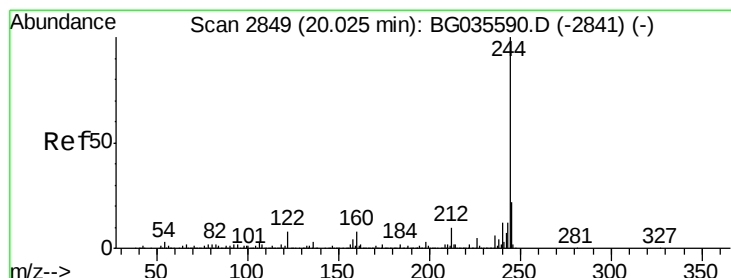
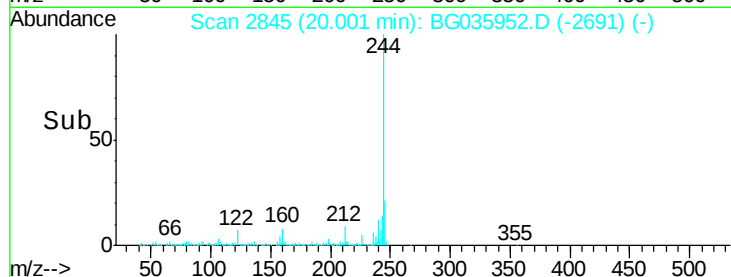
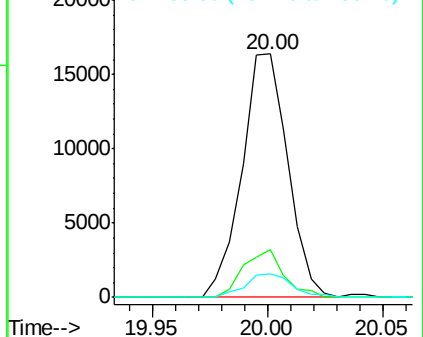
183 9.6 10.6 16.0#



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: 81.095 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035952.D

Acq: 28 Jul 2018 1:13

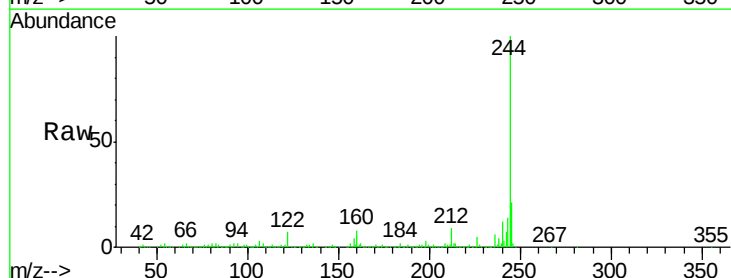
Tgt Ion:244 Resp: 1365957

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

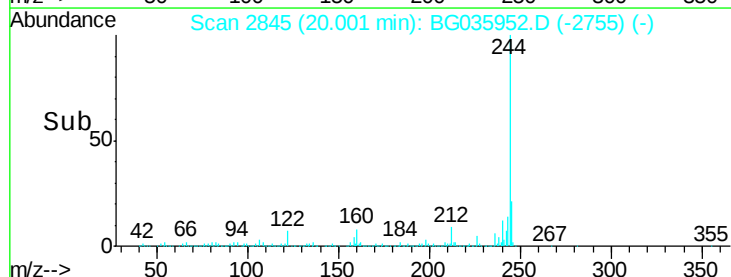
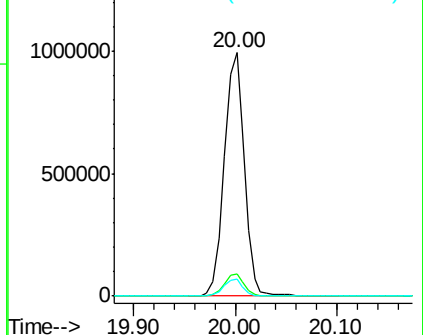
122 6.9 7.0 10.4#

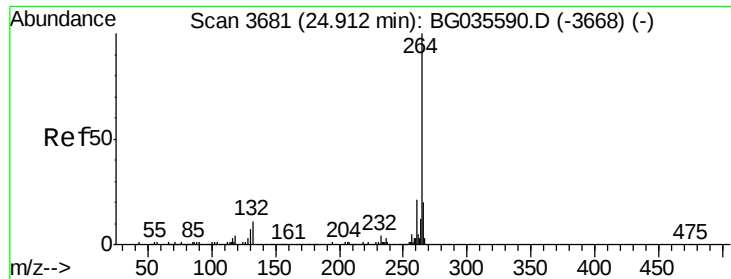


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

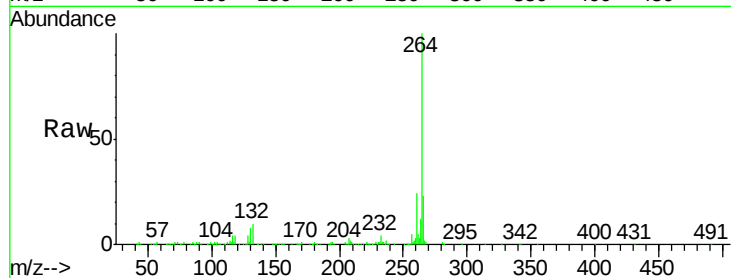
Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG035952.D
Acq: 28 Jul 2018 1:13

Tgt Ion:	264	Resp:	347249
Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	22.8	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

