

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072718\
 Data File : BG035963.D
 Acq On : 28 Jul 2018 8:22
 Operator : JU/SJ
 Sample : J4189-20
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

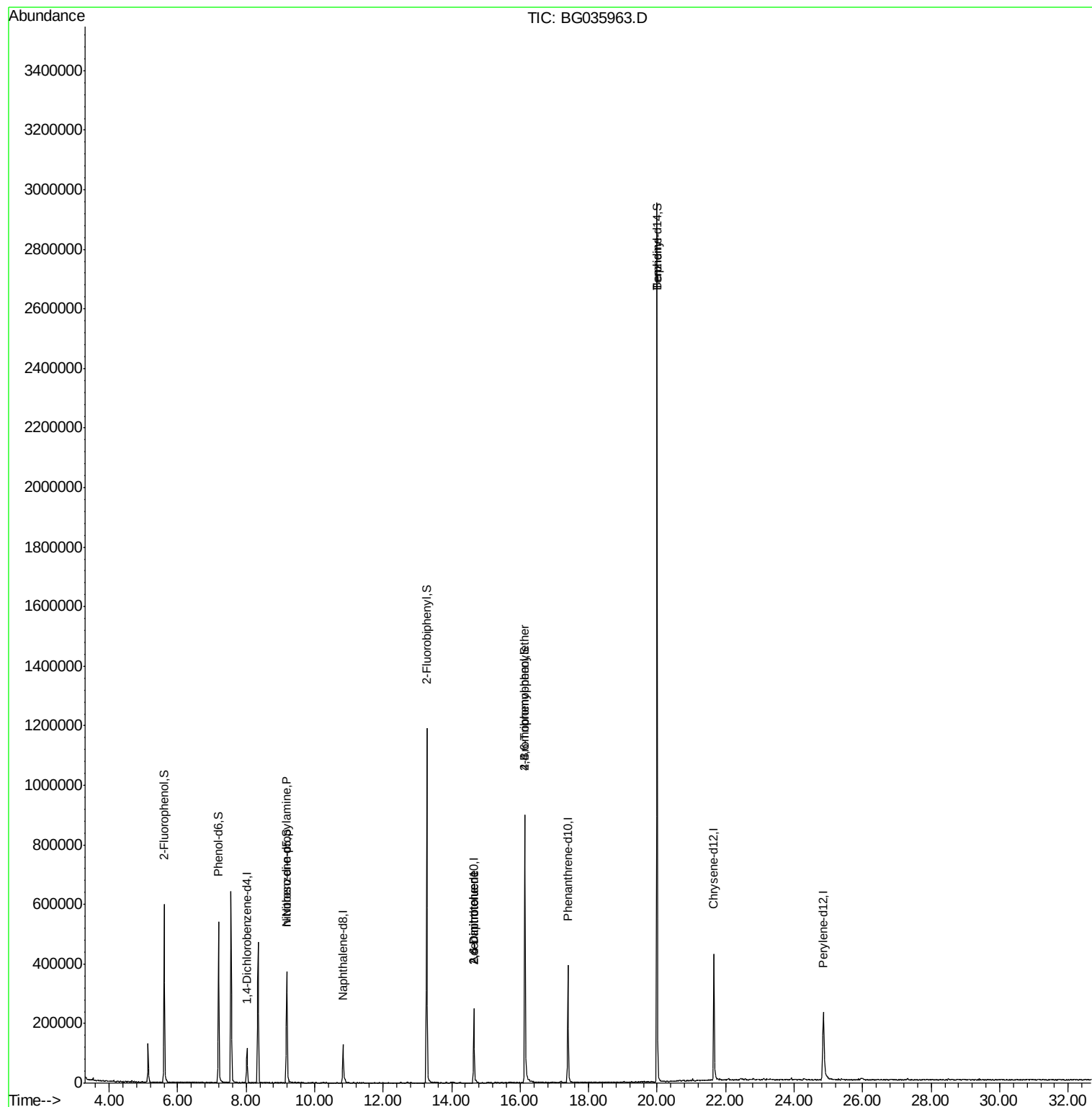
Quant Time: Jul 30 00:37:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

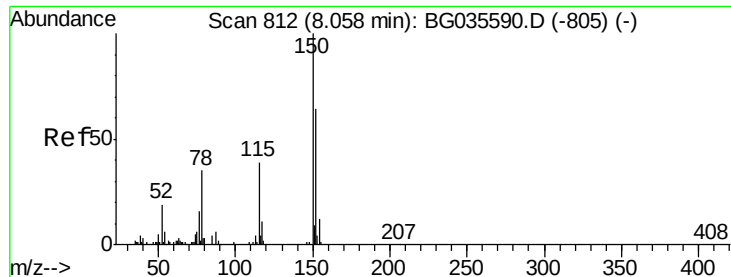
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	33222	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	119624	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	94599	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	282094	20.00	ng	0.00
75) Chrysene-d12	21.65	240	317735	20.00	ng	0.00
86) Perylene-d12	24.85	264	292997	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	256889	128.38	ng	0.00
7) Phenol-d6	7.19	99	340505	114.05	ng	0.00
23) Nitrobenzene-d5	9.19	82	276886	96.69	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	192858	154.67	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	664693	94.14	ng	0.00
78) Terphenyl-d14	20.00	244	1443785	100.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	37475	14.906	ng	# 71
50) 2,6-Dinitrotoluene	14.65	165	12274	7.272	ng	# 23
56) 2,4-Dinitrotoluene	14.65	165	12274	5.069	ng	# 21
66) 4-Bromophenyl-phenylether	16.14	248	15872	4.850	ng	# 1
76) Benzidine	20.00	184	26083	3.122	ng	# 89

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

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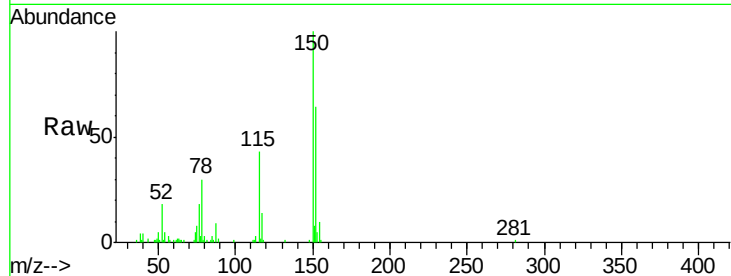




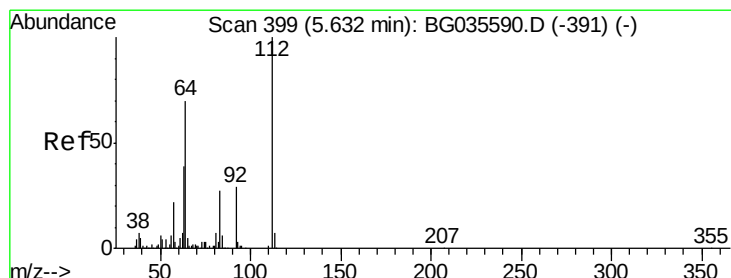
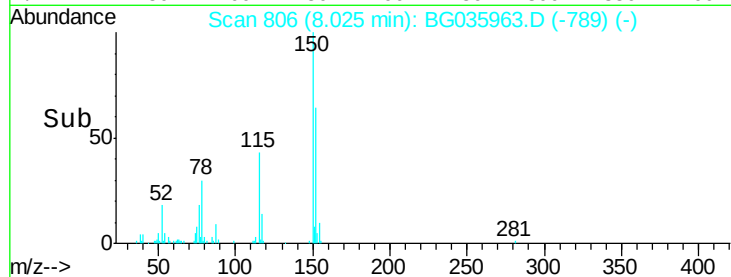
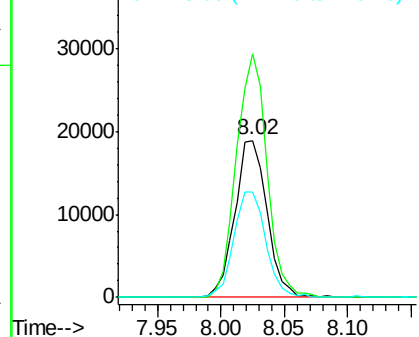
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. 0.00 min
Lab File: BG035963.D
Acq: 28 Jul 2018 8:22

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.6	189.8
115	66.9	53.0	79.4



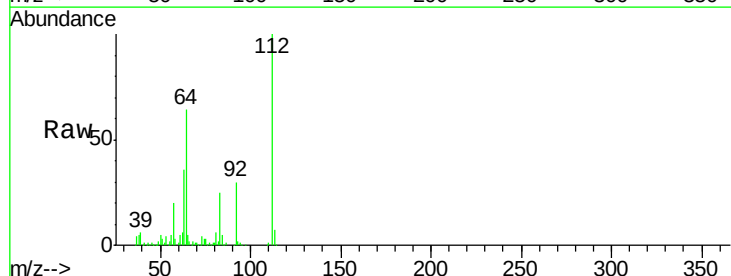
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



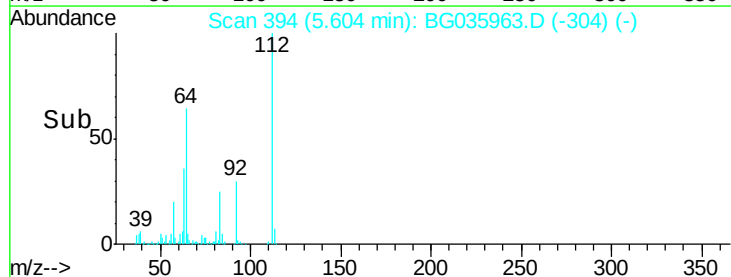
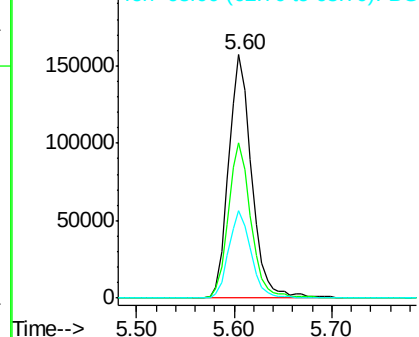
#5

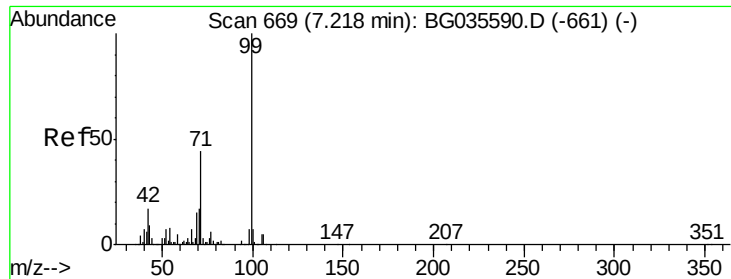
2-Fluorophenol
Concen: 128.378 ng
RT: 5.60 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG035963.D
Acq: 28 Jul 2018 8:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	56.3	84.5
63	36.0	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: 114.052 ng

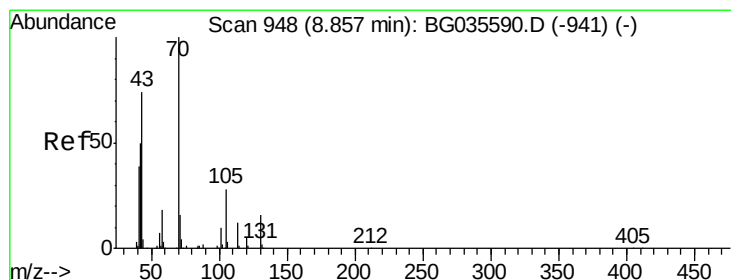
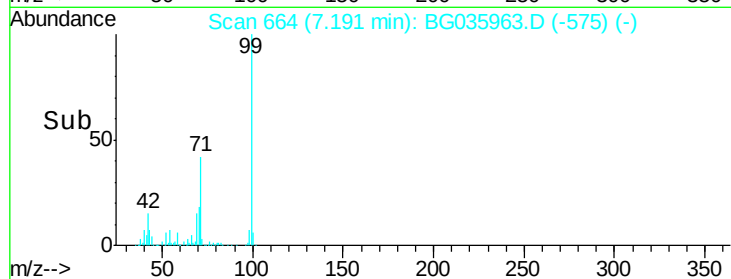
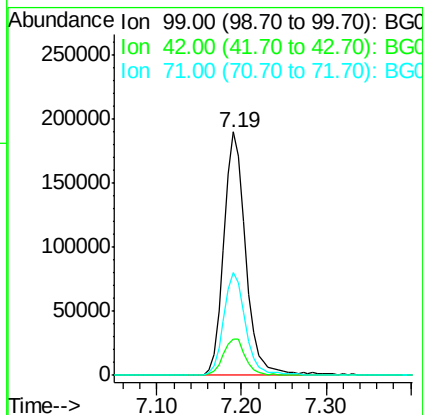
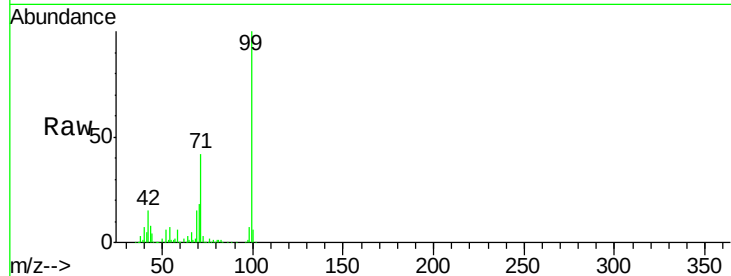
RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG035963.D

Acq: 28 Jul 2018 8:22

Tgt Ion:	99	Resp:	340505
Ion	Ratio	Lower	Upper
99	100		
42	15.0	14.1	21.1
71	42.0	26.1	39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.906 ng

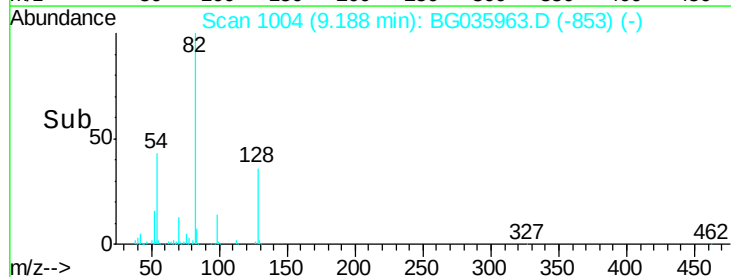
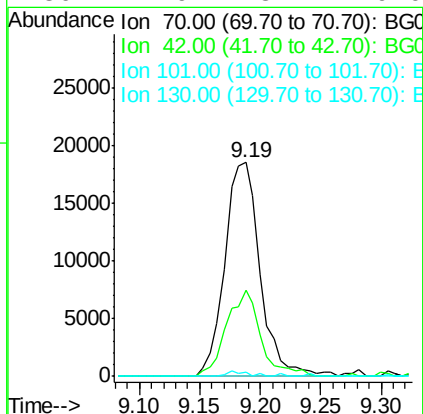
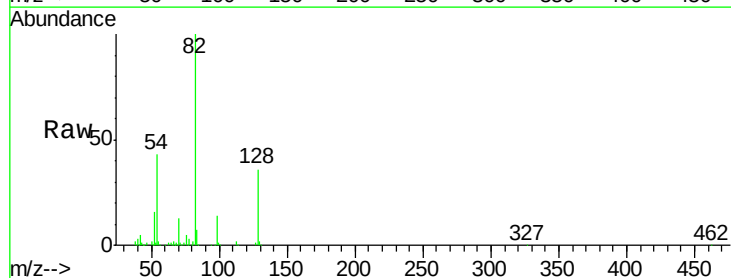
RT: 9.19 min Scan# 1004

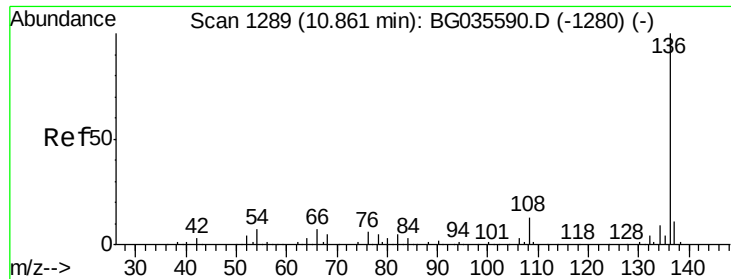
Delta R.T. 0.36 min

Lab File: BG035963.D

Acq: 28 Jul 2018 8:22

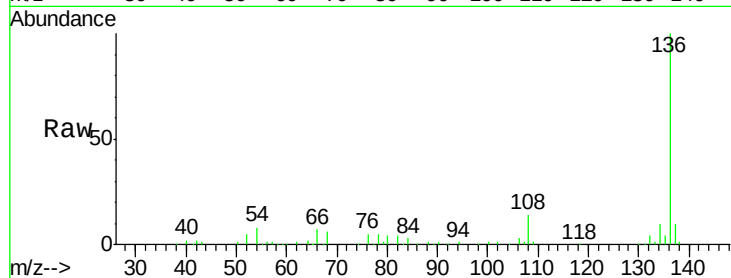
Tgt Ion:	70	Resp:	37475
Ion	Ratio	Lower	Upper
70	100		
42	40.0	49.1	73.7#
101	0.0	8.5	12.7#
130	1.9	13.4	20.0#



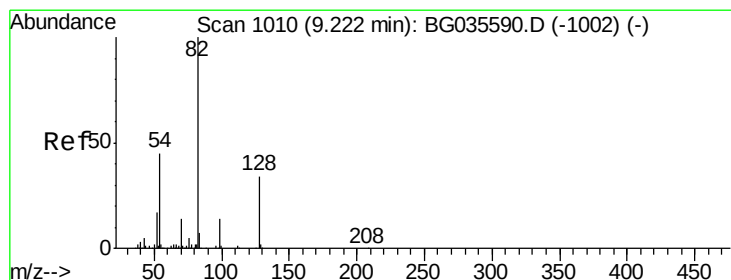
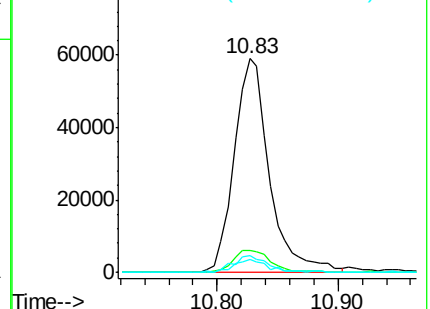
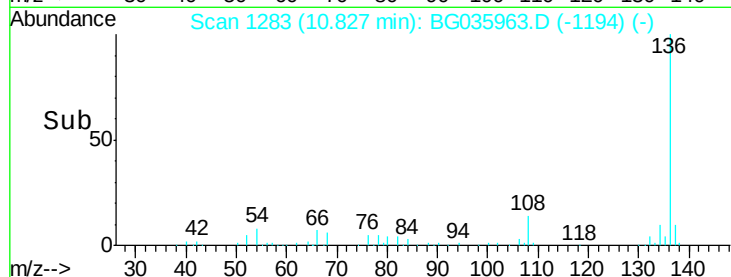


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG035963.D
Acq: 28 Jul 2018 8:22

Tgt Ion:	136	Resp:	119624
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.2	13.8
54	7.7	10.3	15.5#
68	5.8	4.5	6.7

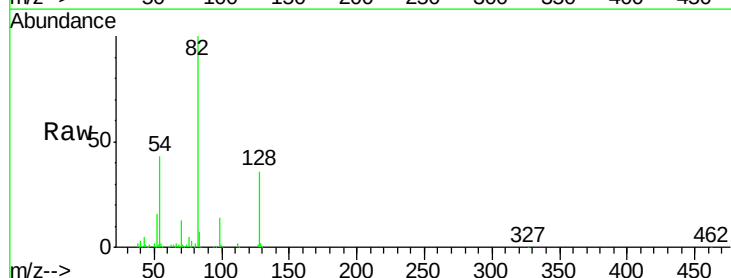


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

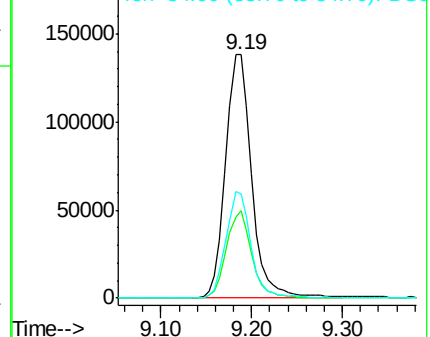
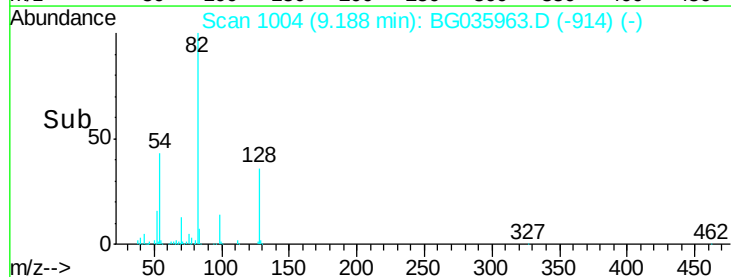


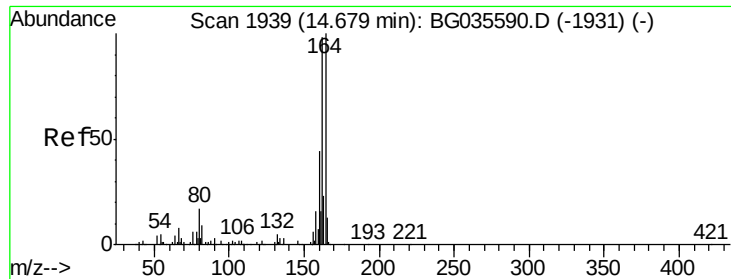
#23
Nitrobenzene-d5
Concen: 96.693 ng
RT: 9.19 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BG035963.D
Acq: 28 Jul 2018 8:22

Tgt Ion:	82	Resp:	276886
Ion Ratio	Lower	Upper	
82	100		
128	35.9	29.7	44.5
54	42.6	43.1	64.7#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BG035963.D

Acq: 28 Jul 2018 8:22

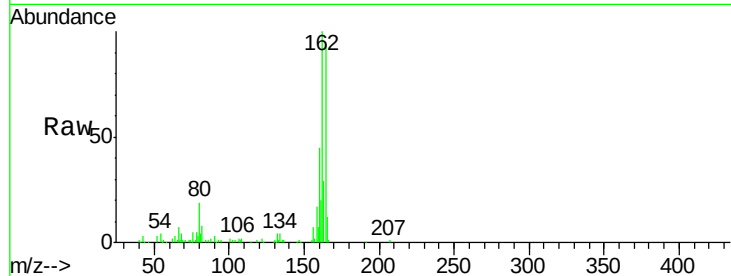
Tgt Ion:164 Resp: 94599

Ion Ratio Lower Upper

164 100

162 105.9 78.8 118.2

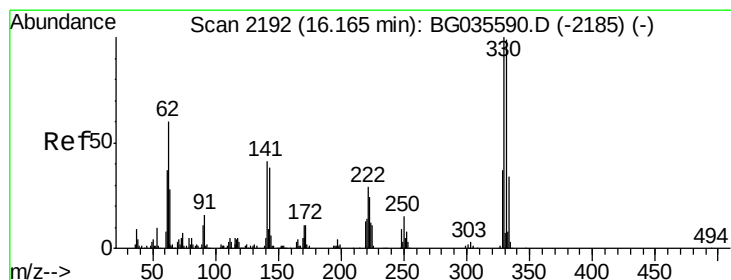
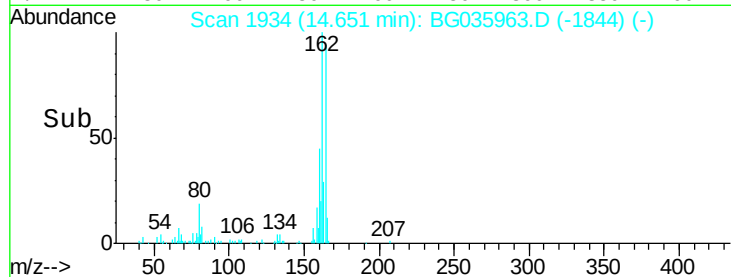
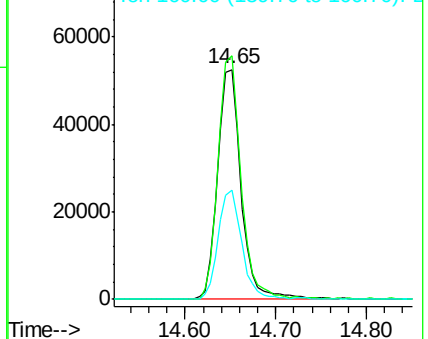
160 47.7 35.4 53.0



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: 154.673 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG035963.D

Acq: 28 Jul 2018 8:22

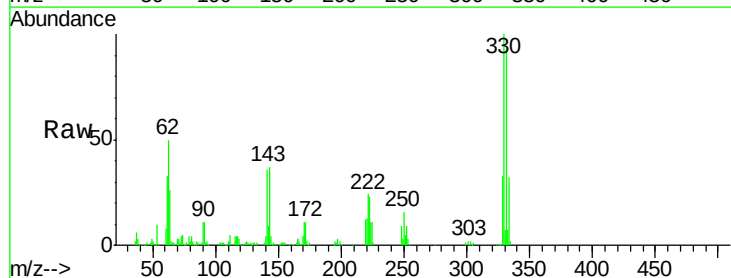
Tgt Ion:330 Resp: 192858

Ion Ratio Lower Upper

330 100

332 92.5 77.0 115.6

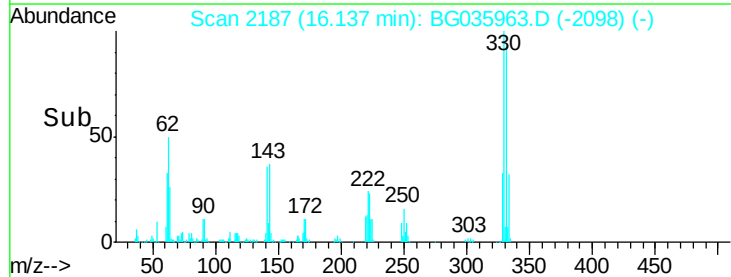
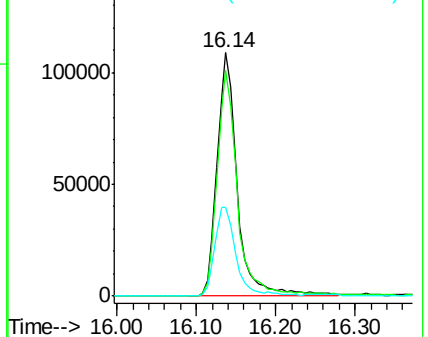
141 38.3 25.2 37.8#

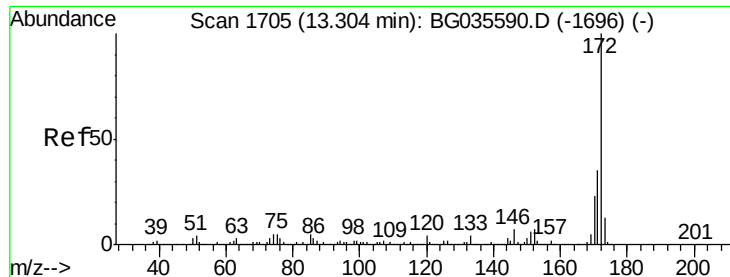


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

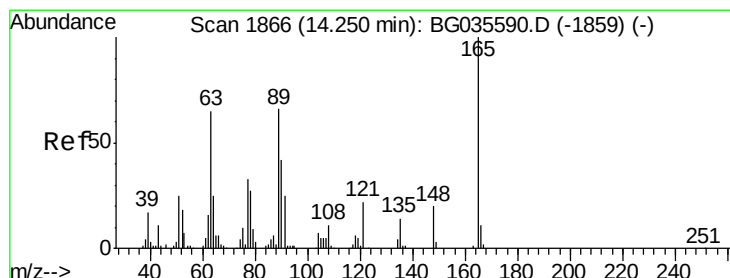
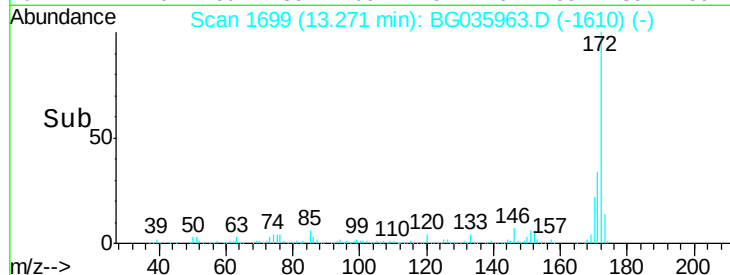
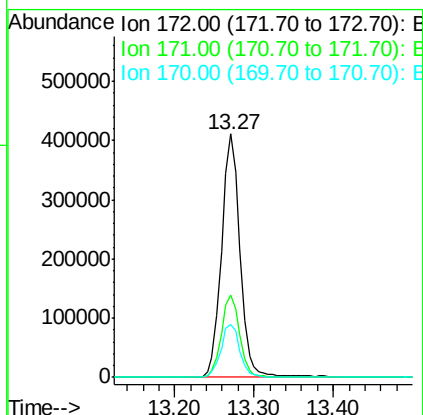
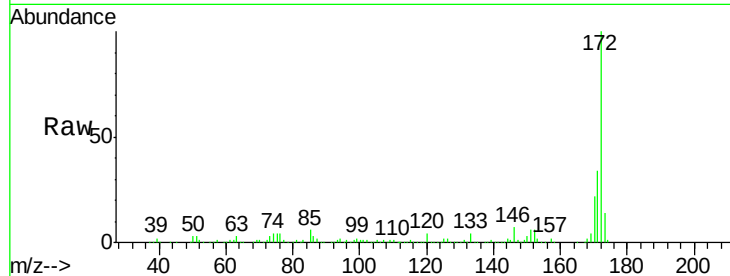
Ion 141.00 (140.70 to 141.70): E





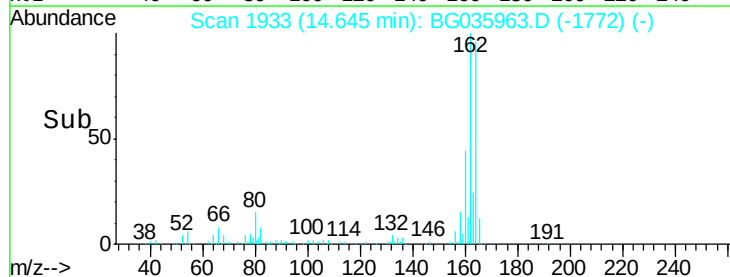
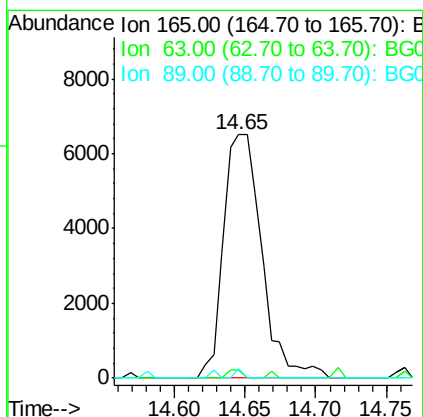
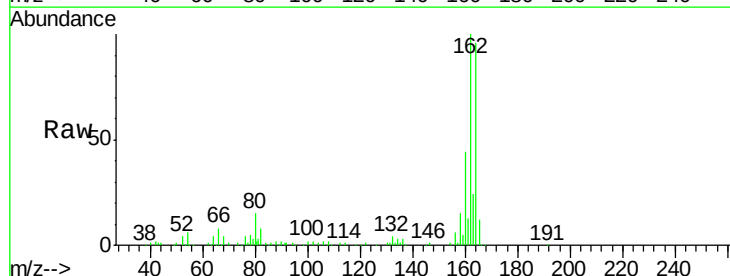
#44
 2-Fluorobiphenyl
 Concen: 94.136 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG035963.D
 Acq: 28 Jul 2018 8:22

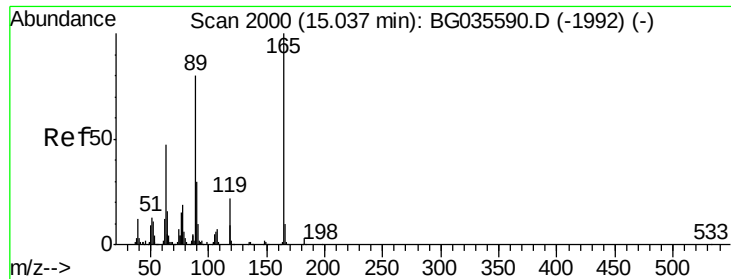
Tgt Ion:	172	Resp:	664693
Ion	Ratio	Lower	Upper
172	100		
171	33.9	30.0	45.0
170	21.9	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.272 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG035963.D
 Acq: 28 Jul 2018 8:22

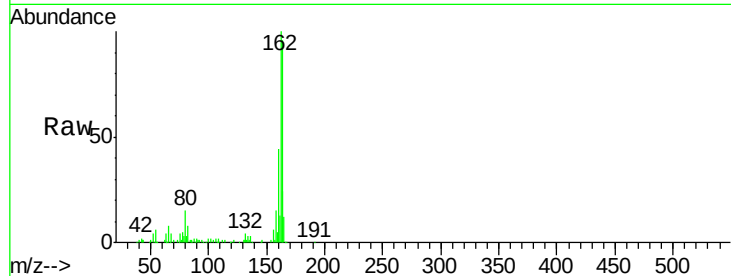
Tgt Ion:	165	Resp:	12274
Ion	Ratio	Lower	Upper
165	100		
63	3.5	52.7	79.1#
89	3.9	49.2	73.8#





#56
 2,4-Dinitrotoluene
 Concen: 5.069 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. -0.37 min
 Lab File: BG035963.D
 Acq: 28 Jul 2018 8:22

Tgt Ion:	165	Resp:	12274
Ion Ratio	Lower	Upper	
165	100		
63	3.5	42.0	63.0#
89	3.9	66.9	100.3#
182	0.0	2.6	3.8#

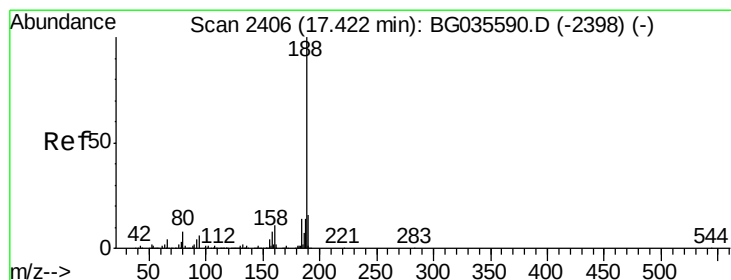
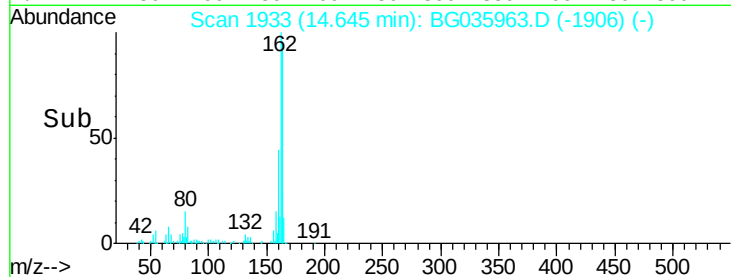
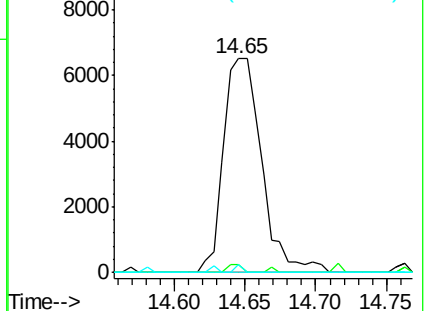


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

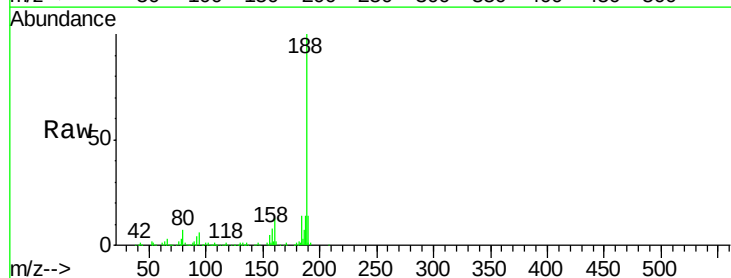
Ion 89.00 (88.70 to 89.70): BGC

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: BG035963.D
 Acq: 28 Jul 2018 8:22

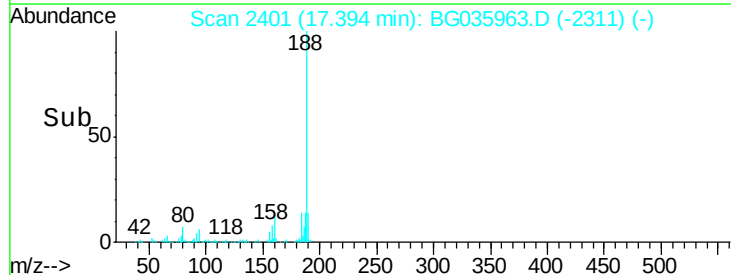
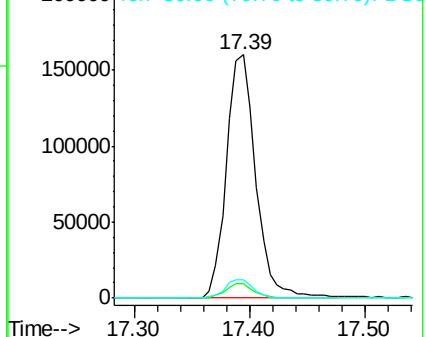
Tgt Ion:	188	Resp:	282094
Ion Ratio	Lower	Upper	
188	100		
94	5.8	6.9	10.3#
80	7.5	7.7	11.5#

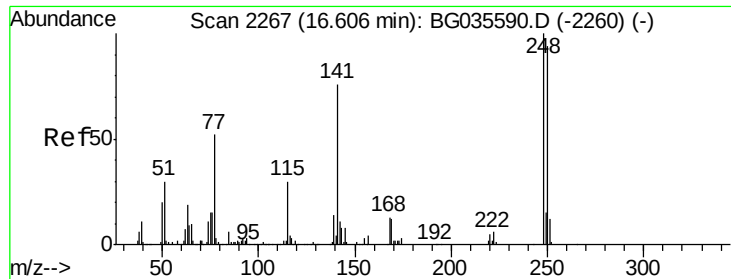


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

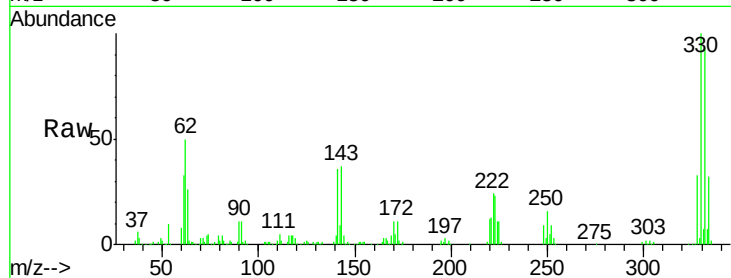
Ion 80.00 (79.70 to 80.70): BGC



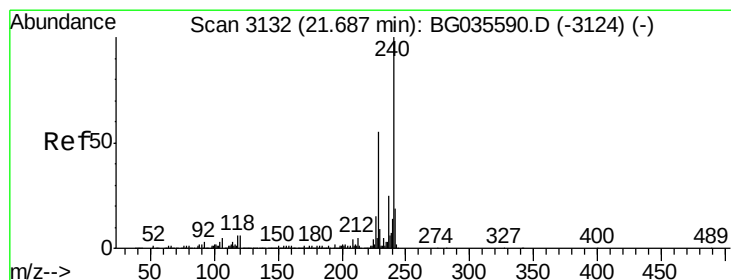
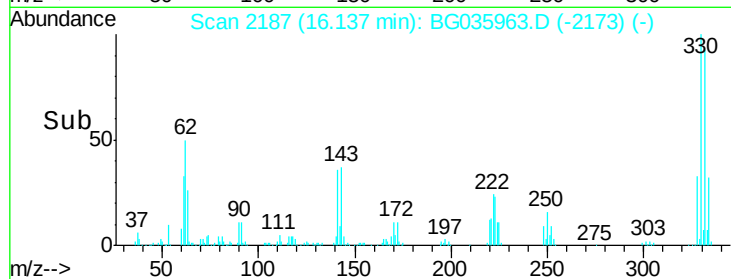
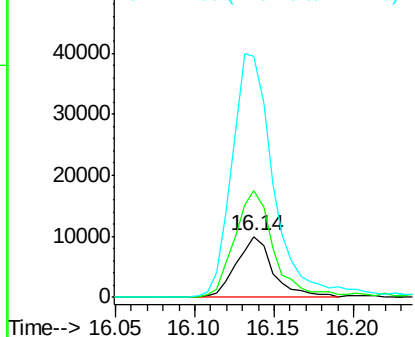


#66
 4-Bromophenyl-phenylether
 Concen: 4.850 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG035963.D
 Acq: 28 Jul 2018 8:22

Tgt Ion	Ratio	Lower	Upper
248	100		
250	175.0	77.1	115.7#
141	396.0	50.8	76.2#

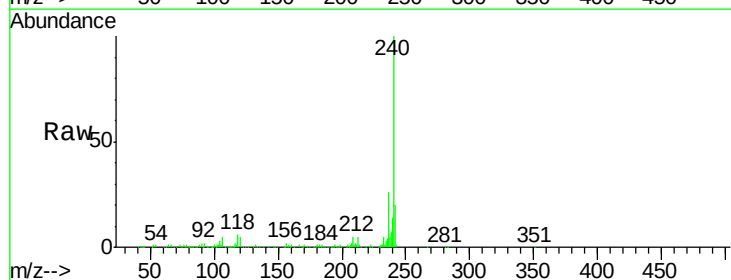


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

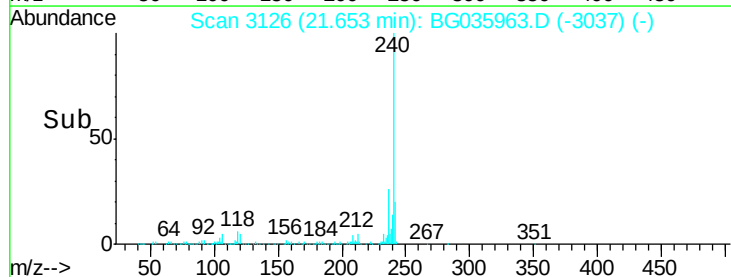
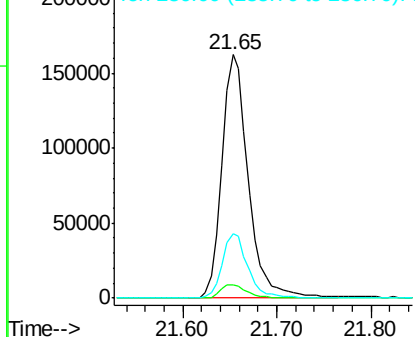


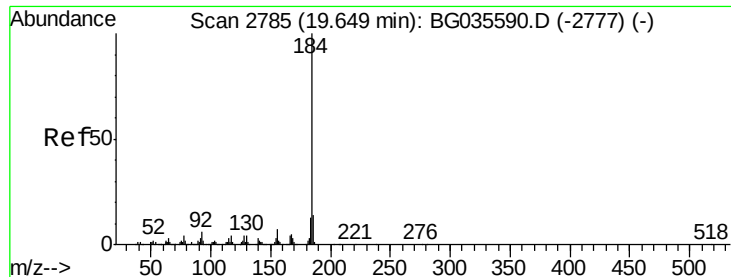
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG035963.D
 Acq: 28 Jul 2018 8:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.2	6.8	10.2#
236	26.5	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: 3.122 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG035963.D

Acq: 28 Jul 2018 8:22

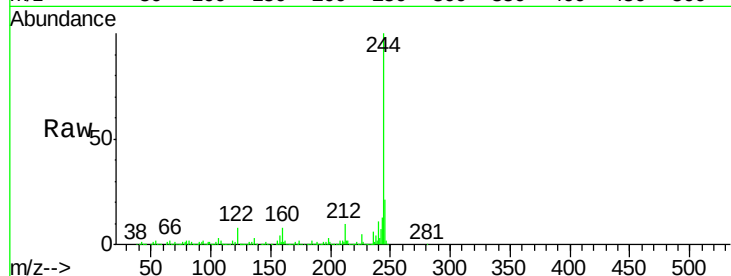
Tgt Ion:184 Resp: 26083

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

183 6.8 10.6 16.0#

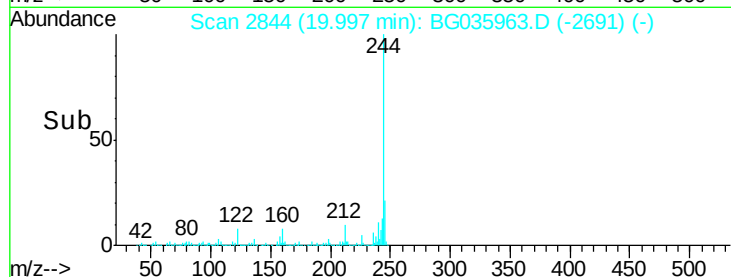


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

Time-->



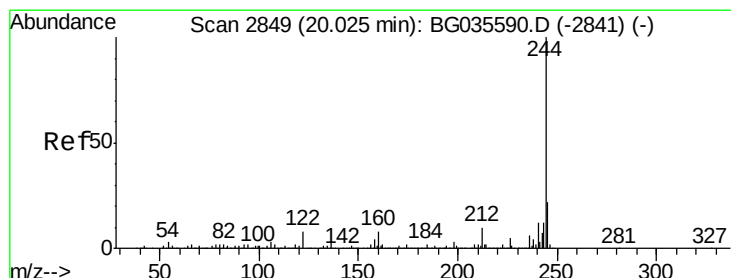
Abundance

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

Time-->



#78

Terphenyl-d14

Concen: 100.163 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG035963.D

Acq: 28 Jul 2018 8:22

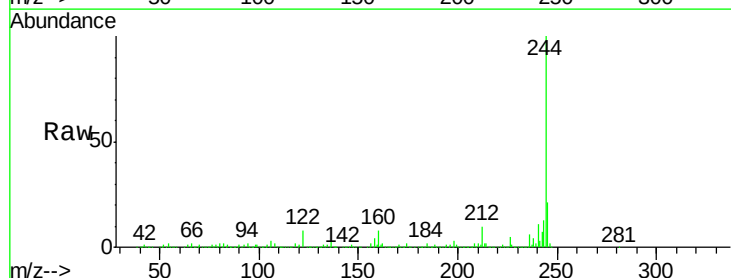
Tgt Ion:244 Resp: 1443785

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

122 7.5 7.0 10.4

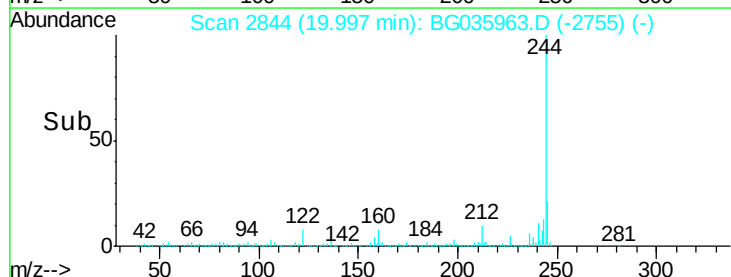


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



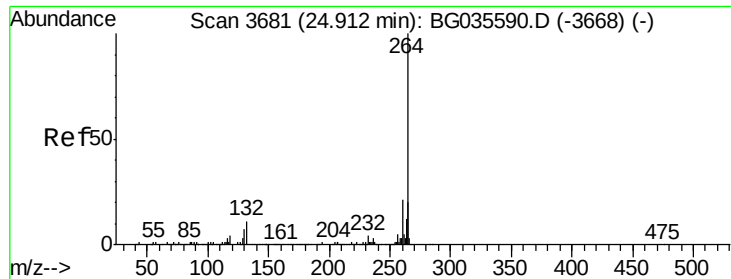
Abundance

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

Time-->



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG035963.D
Acq: 28 Jul 2018 8:22

Tgt	Ion	264	Resp	292997
Ion	Ratio	Lower	Upper	
264	100			
260	23.5	17.4	26.0	
265	21.3	17.7	26.5	

