

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072718\
 Data File : BG035934.D
 Acq On : 27 Jul 2018 12:50
 Operator : JU/SJ
 Sample : PB111458BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

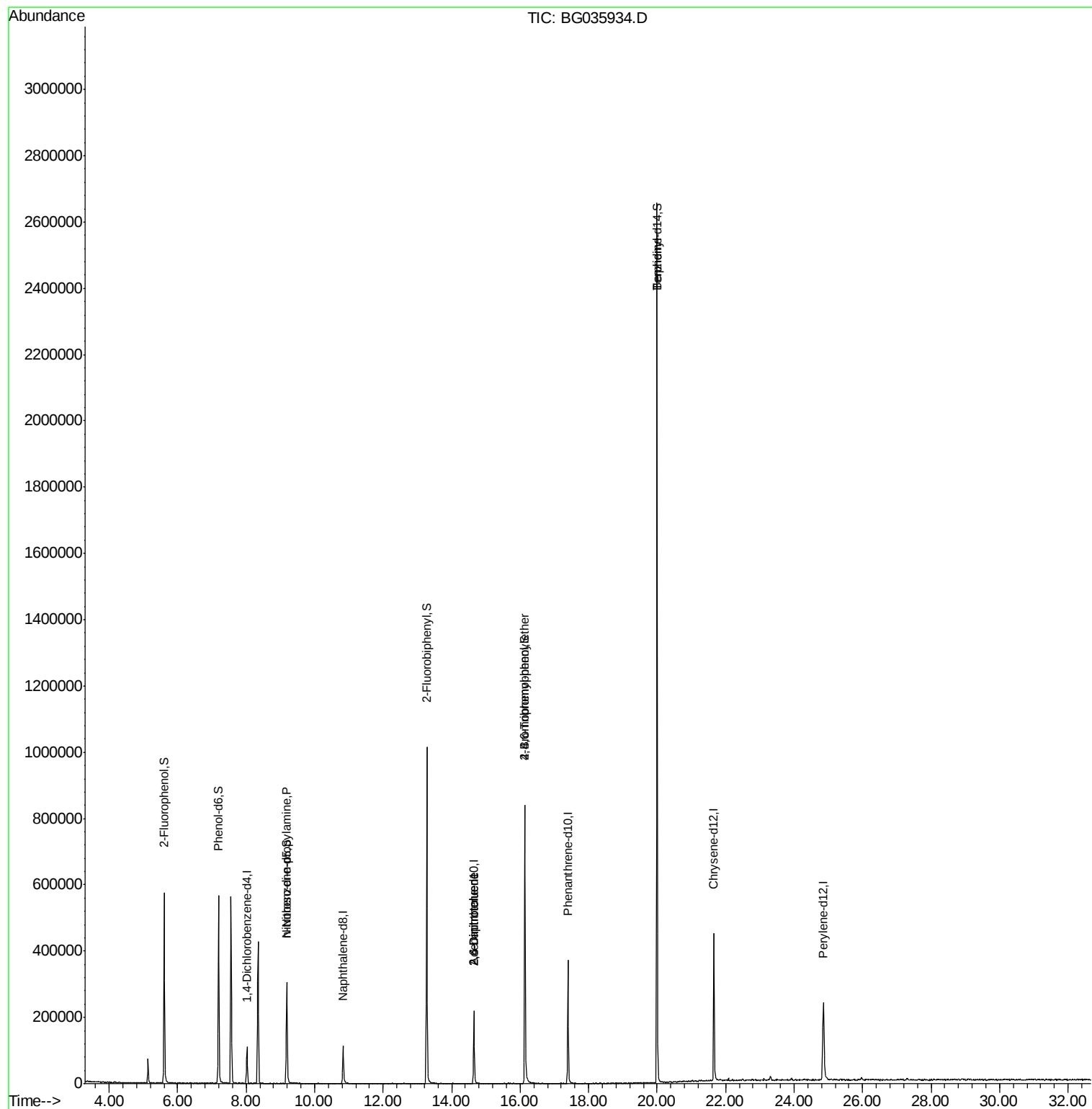
Quant Time: Jul 27 13:54:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	31157	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	112105	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	88677	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	269870	20.00	ng	0.00
75) Chrysene-d12	21.65	240	299882	20.00	ng	0.00
86) Perylene-d12	24.86	264	277220	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	251646	134.09	ng	0.00
7) Phenol-d6	7.19	99	354218	126.51	ng	0.00
23) Nitrobenzene-d5	9.18	82	223200	83.17	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	166517	142.47	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	574588	86.81	ng	0.00
78) Terphenyl-d14	20.00	244	1293427	95.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	32057	13.596	ng	# 63
50) 2,6-Dinitrotoluene	14.65	165	12077	7.633	ng	# 18
56) 2,4-Dinitrotoluene	14.65	165	12077	5.321	ng	# 16
66) 4-Bromophenyl-phenylether	16.14	248	13717	4.381	ng	# 1
76) Benzidine	20.00	184	21864	2.773	ng	# 91

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 806

Delta R.T. 0.00 min

Lab File: BG035934.D

Acq: 27 Jul 2018 12:50

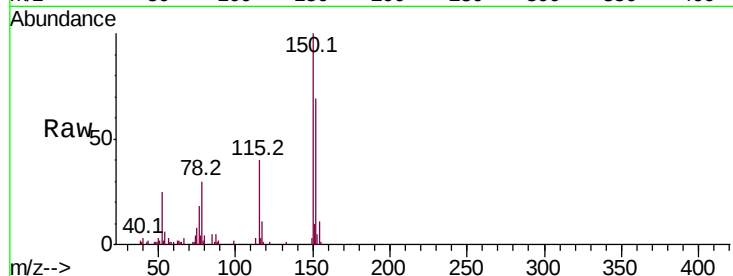
Tot Ion:152 Resp: 31157

Ion Ratio Lower Upper

152 100

150 145.9 126.6 189.8

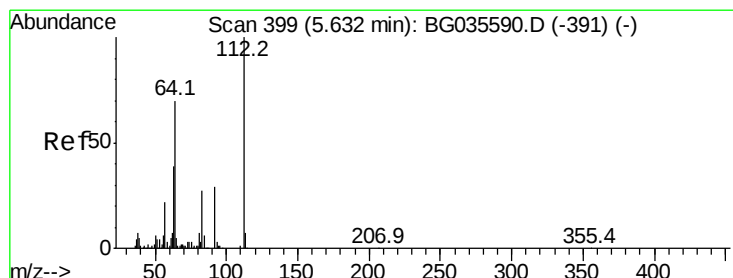
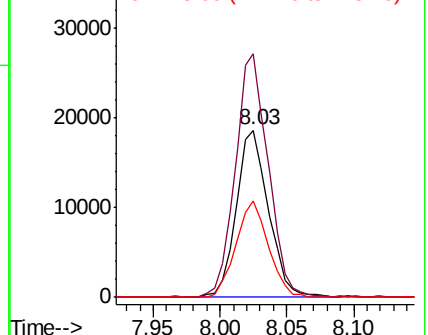
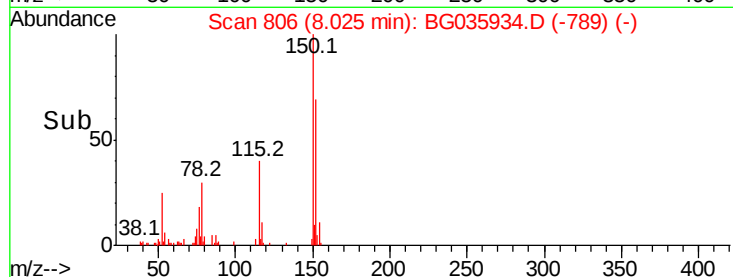
115 57.9 53.0 79.4



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: 134.092 ng

RT: 5.60 min Scan# 394

Delta R.T. 0.00 min

Lab File: BG035934.D

Acq: 27 Jul 2018 12:50

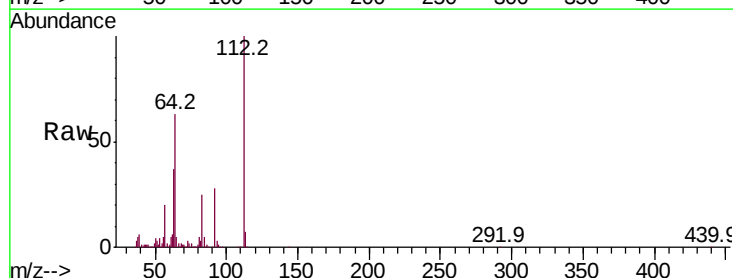
Tgt Ion:112 Resp: 251646

Ion Ratio Lower Upper

112 100

64 63.0 56.3 84.5

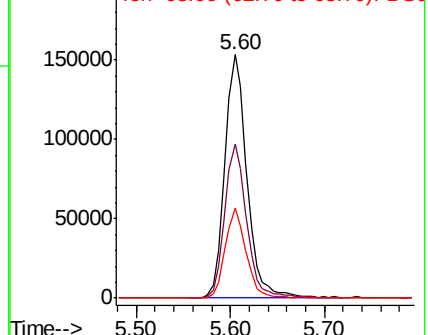
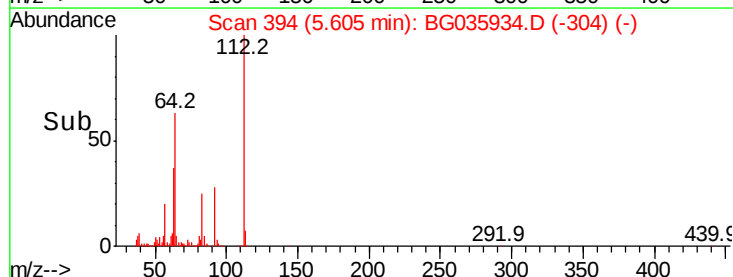
63 36.8 30.1 45.1



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: 126.508 ng

RT: 7.19 min Scan# 664

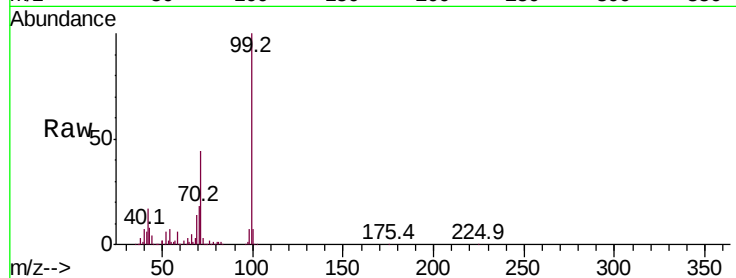
Delta R.T. -0.01 min

Lab File: BG035934.D

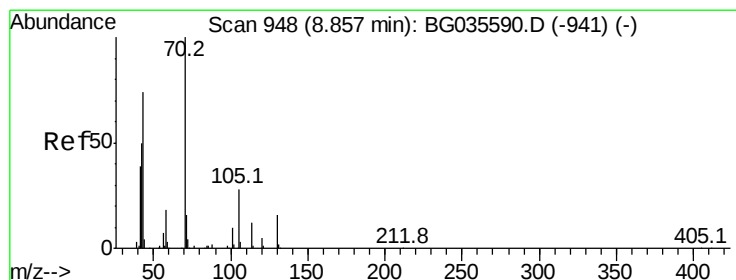
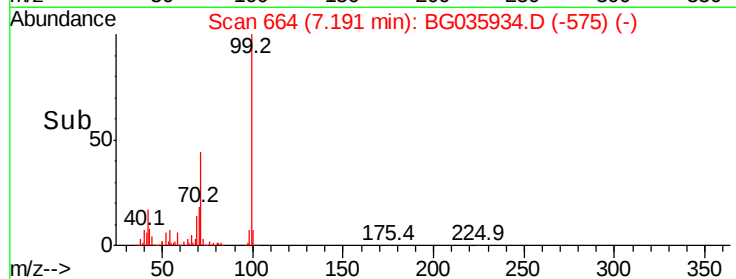
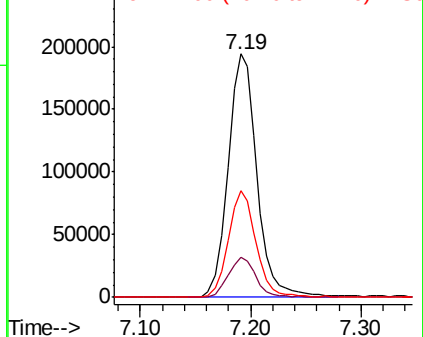
Acq: 27 Jul 2018 12:50

Tot Ion: 99 Resp: 354218

Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.1	21.1
71	43.7	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: 13.596 ng

RT: 9.19 min Scan# 1004

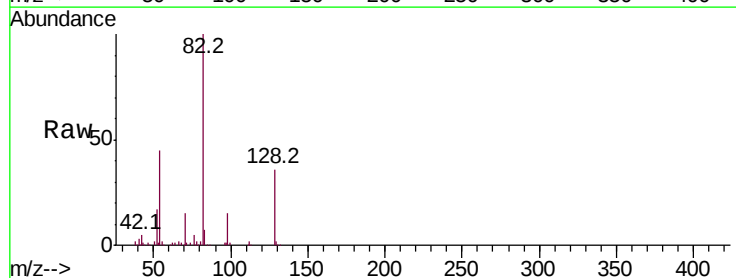
Delta R.T. 0.36 min

Lab File: BG035934.D

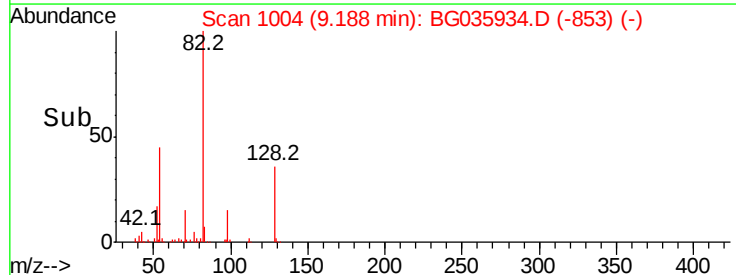
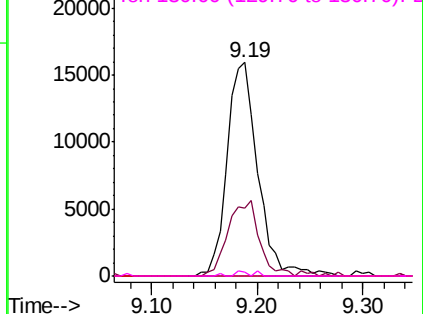
Acq: 27 Jul 2018 12:50

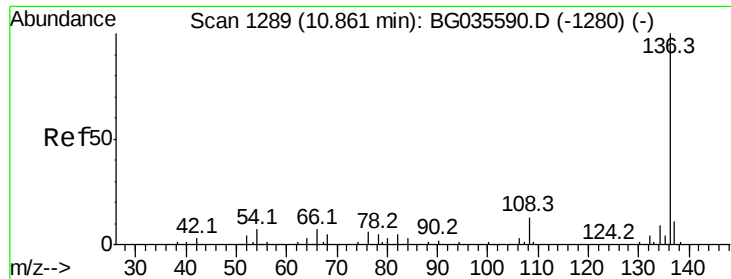
Tgt Ion: 70 Resp: 32057

Ion	Ratio	Lower	Upper
70	100		
42	31.7	49.1	73.7#
101	0.0	8.5	12.7#
130	1.5	13.4	20.0#



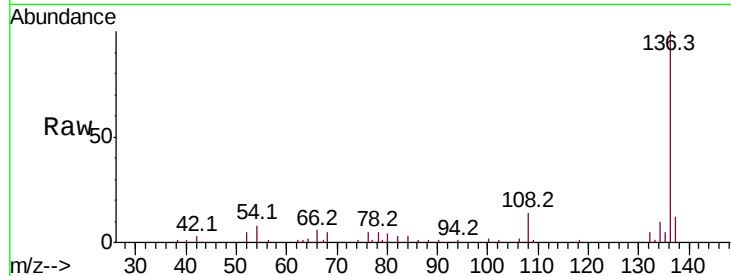
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



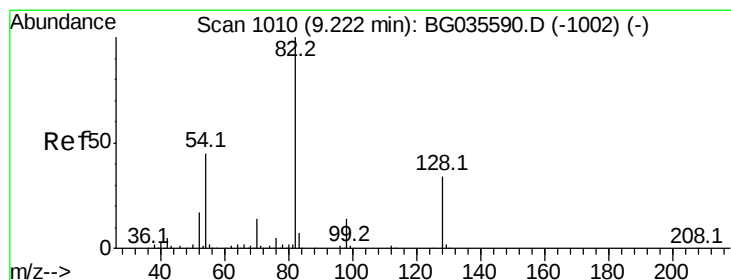
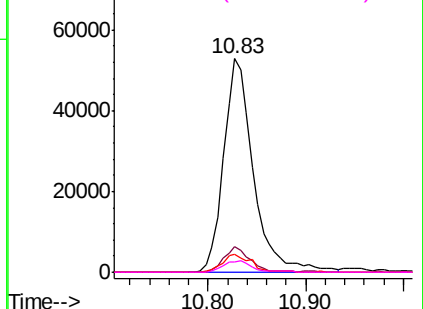
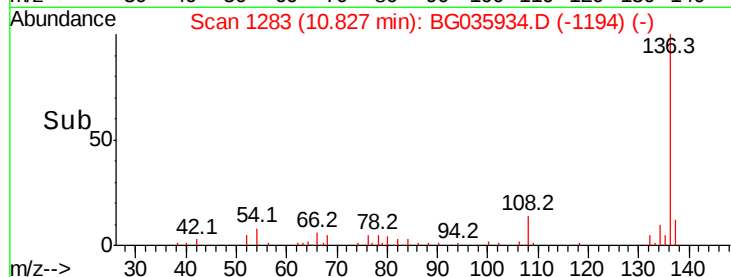


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG035934.D
Acq: 27 Jul 2018 12:50

Tot Ion:136	Resp:	112105
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.2 13.8
54	8.2	10.3 15.5#
68	4.8	4.5 6.7

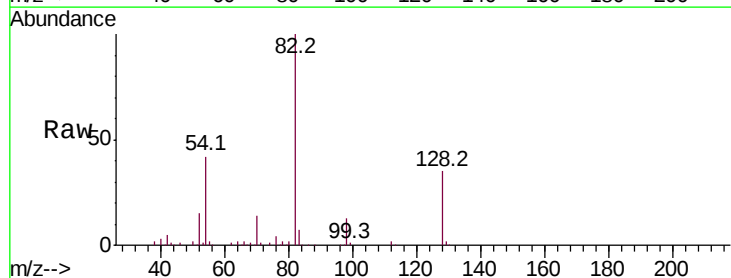


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

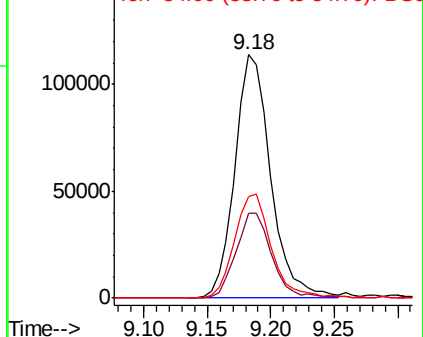
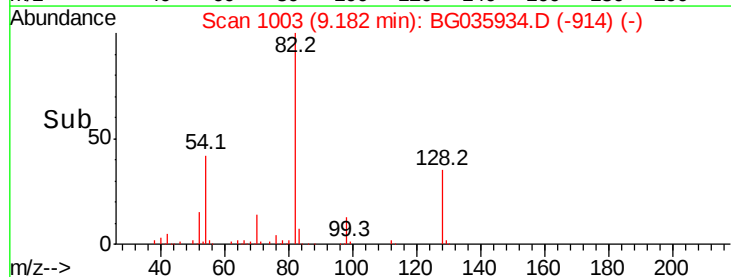


#23
Nitrobenzene-d5
Concen: 83.173 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG035934.D
Acq: 27 Jul 2018 12:50

Tgt Ion: 82	Resp:	223200
Ion Ratio	Lower	Upper
82	100	
128	34.7	29.7 44.5
54	41.7	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

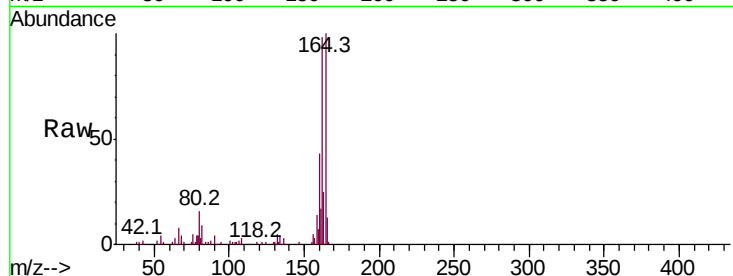
Delta R.T. 0.00 min

Lab File: BG035934.D

Acq: 27 Jul 2018 12:50

Tot Ion:164 Resp: 88677

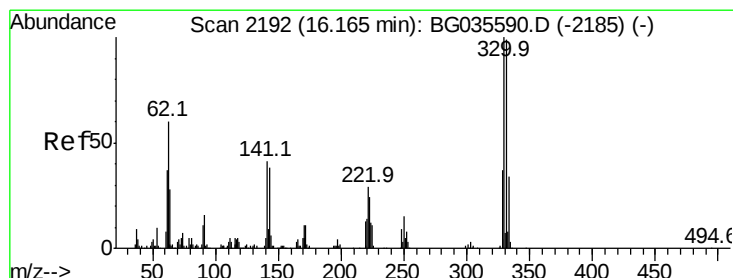
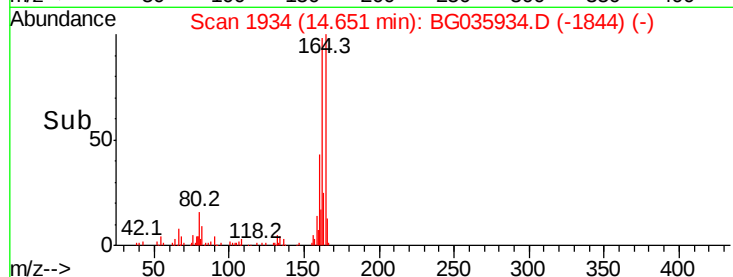
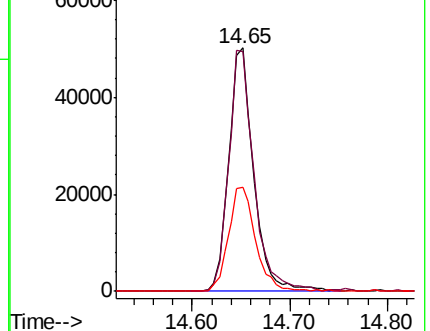
Ion	Ratio	Lower	Upper
164	100		
162	98.4	78.8	118.2
160	42.9	35.4	53.0



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: 142.466 ng

RT: 16.14 min Scan# 2187

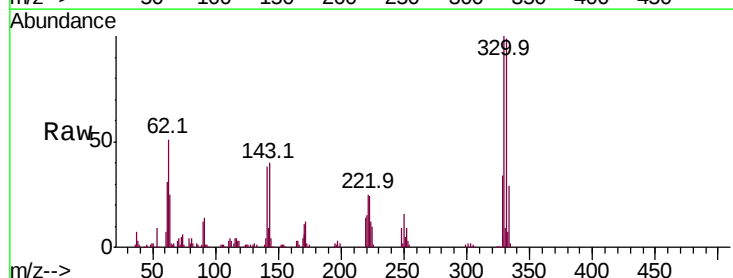
Delta R.T. -0.01 min

Lab File: BG035934.D

Acq: 27 Jul 2018 12:50

Tgt Ion:330 Resp: 166517

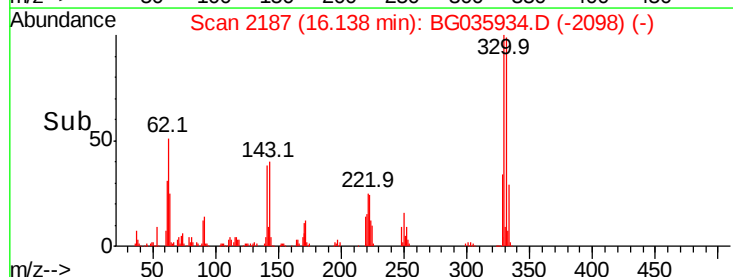
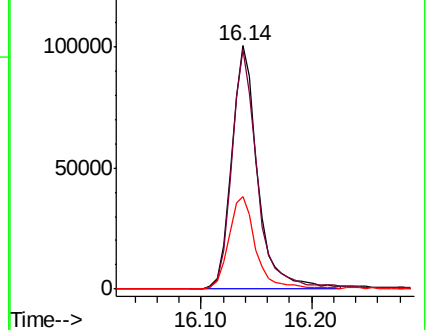
Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	39.7	25.2	37.8#

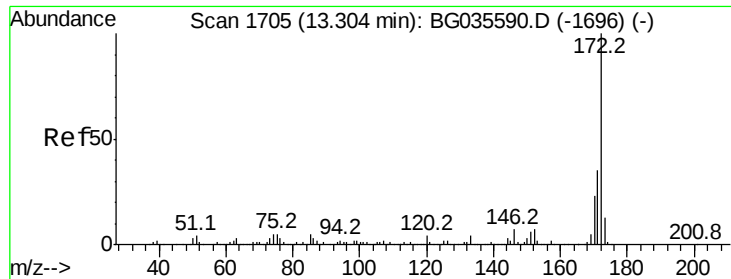


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

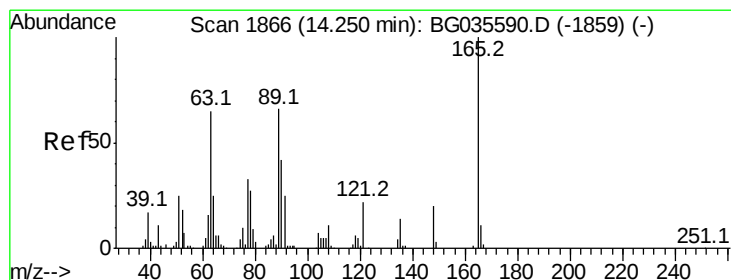
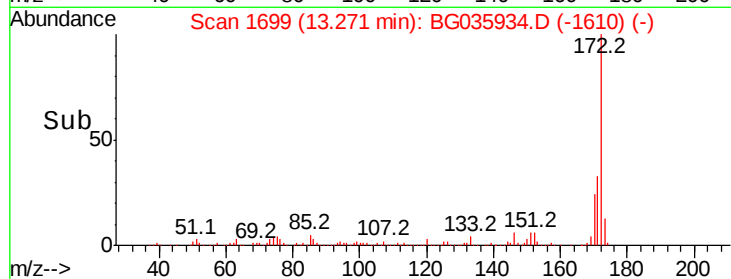
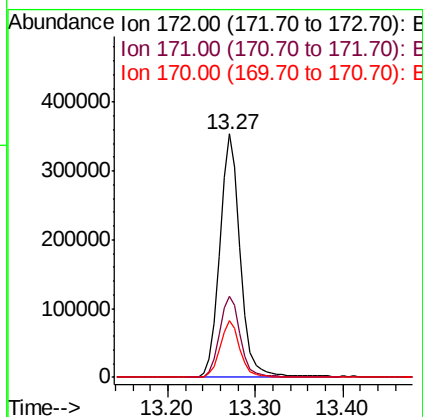
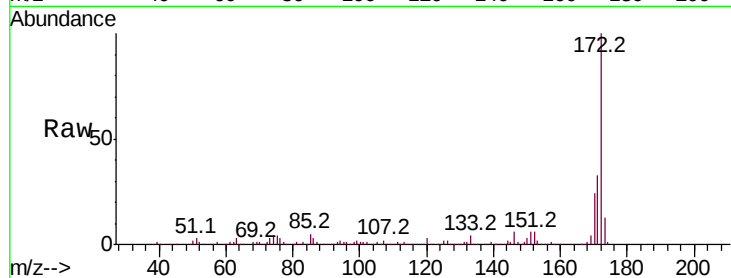
Ion 141.00 (140.70 to 141.70): E





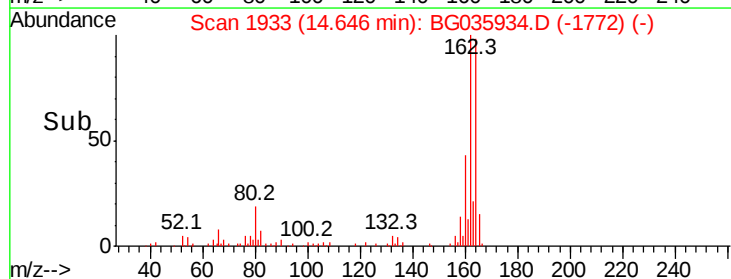
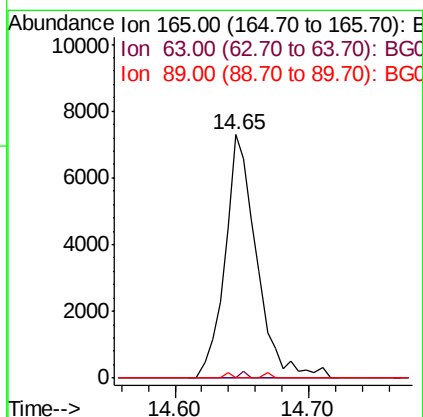
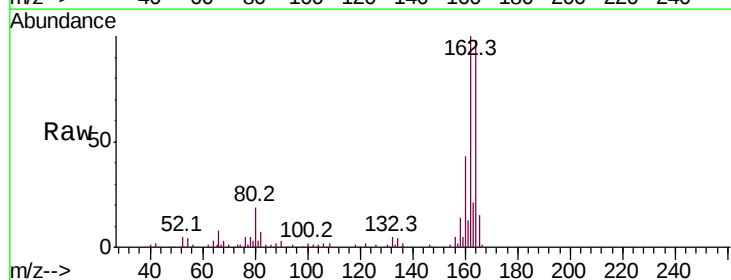
#44
 2-Fluorobiphenyl
 Concen: 86.809 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG035934.D
 Acq: 27 Jul 2018 12:50

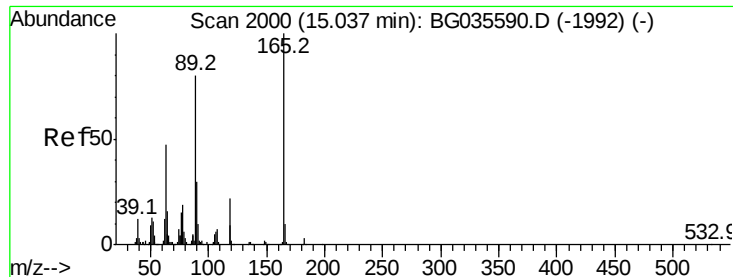
Tot Ion:	172	Resp:	574588
Ion	Ratio	Lower	Upper
172	100		
171	33.3	30.0	45.0
170	23.5	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.633 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG035934.D
 Acq: 27 Jul 2018 12:50

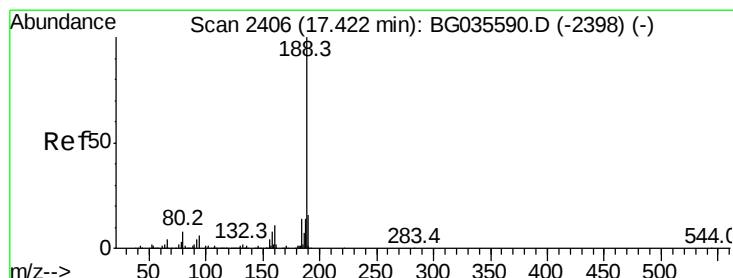
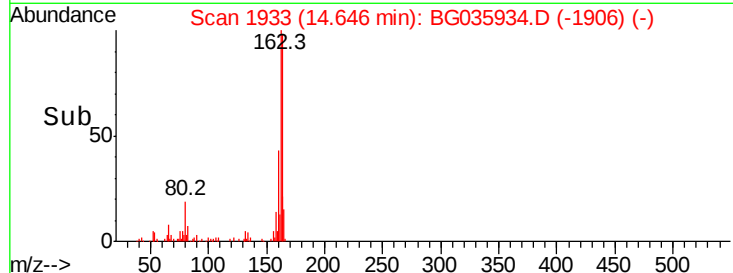
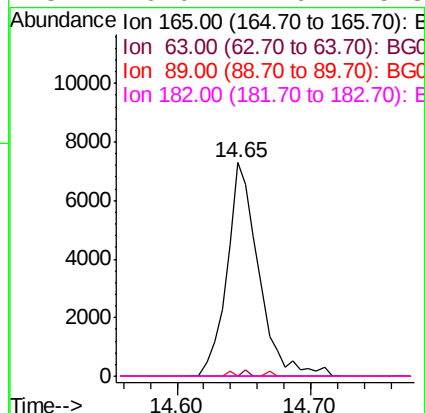
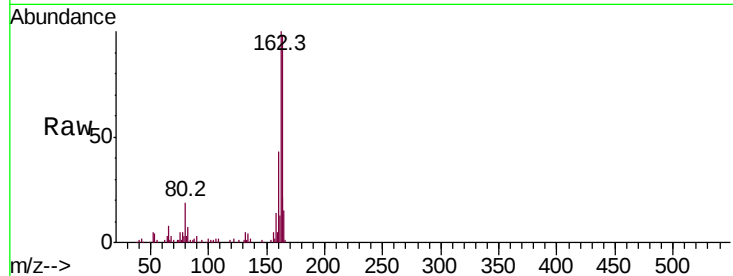
Tgt Ion:	165	Resp:	12077
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#





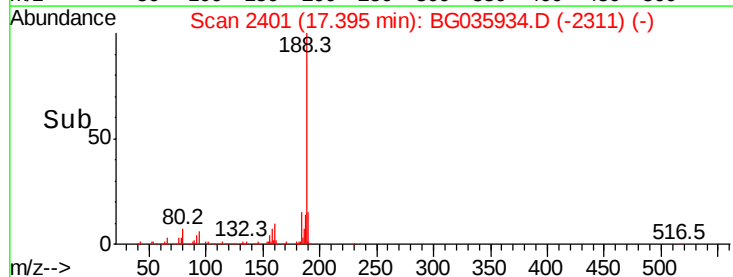
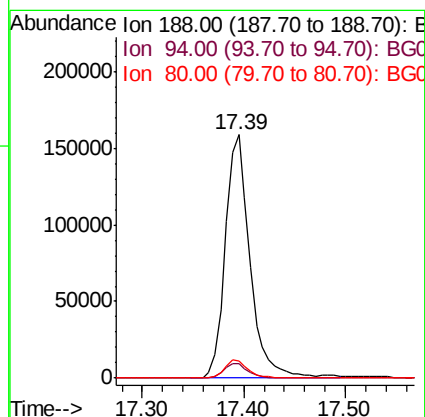
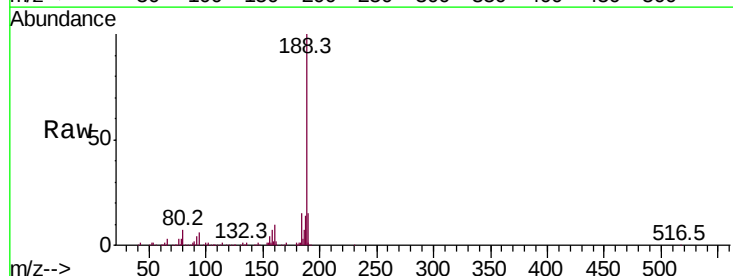
#56
2,4-Dinitrotoluene
Concen: 5.321 ng
RT: 14.65 min Scan# 1933
Delta R.T. -0.37 min
Lab File: BG035934.D
Acq: 27 Jul 2018 12:50

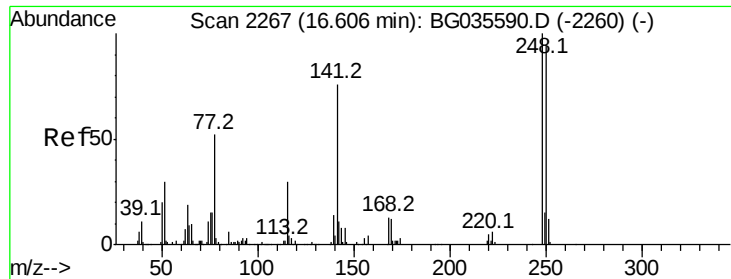
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BG035934.D
Acq: 27 Jul 2018 12:50

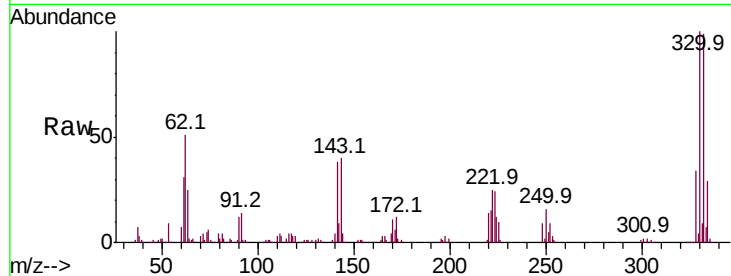
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	6.9	10.3#
80	7.0	7.7	11.5#



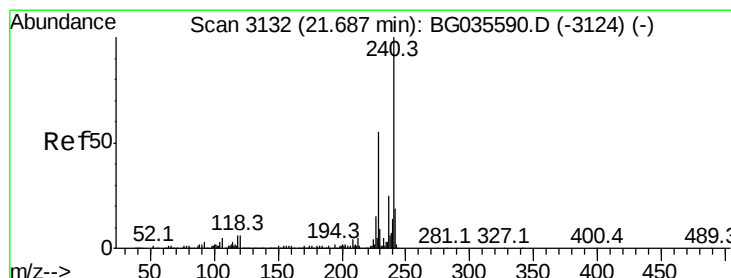
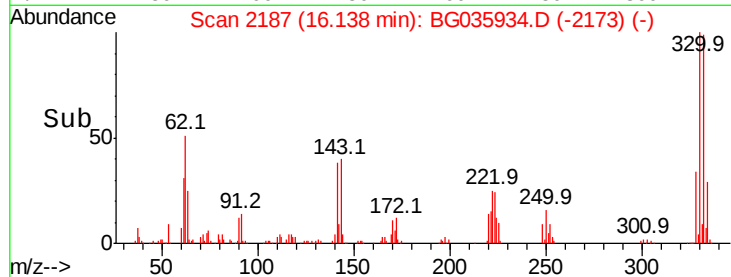
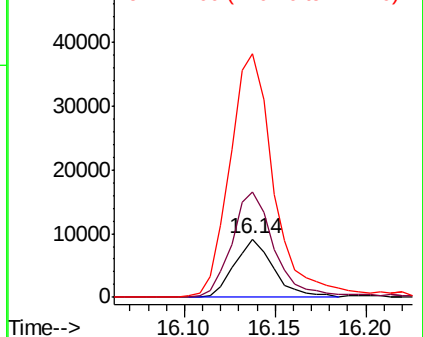


#66
4-Bromophenyl-phenylether
Concen: 4.381 ng
RT: 16.14 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG035934.D
Acq: 27 Jul 2018 12:50

Tot Ion:248 Resp: 13717
Ion Ratio Lower Upper
248 100
250 180.5 77.1 115.7#
141 416.6 50.8 76.2#

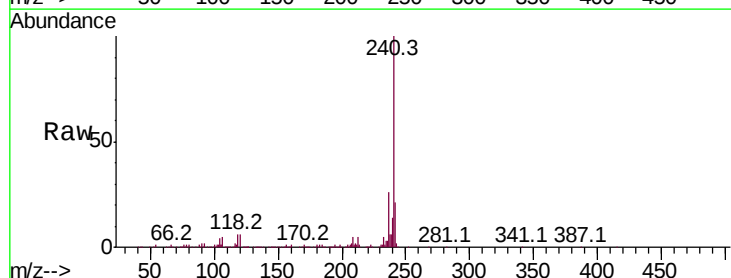


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

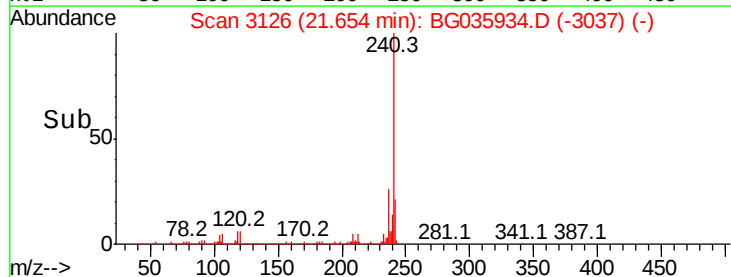
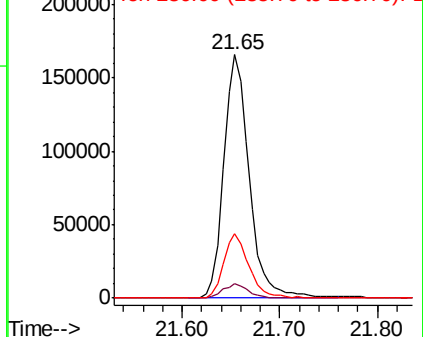


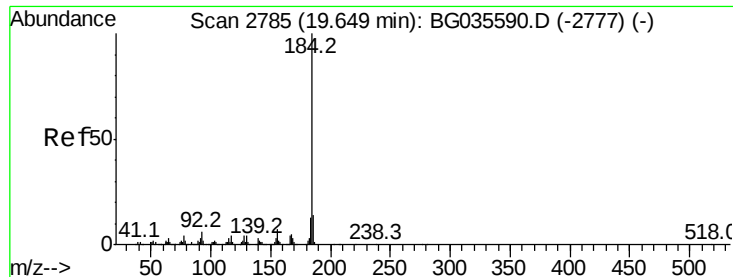
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BG035934.D
Acq: 27 Jul 2018 12:50

Tgt Ion:240 Resp: 299882
Ion Ratio Lower Upper
240 100
120 6.2 6.8 10.2#
236 26.3 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: 2.773 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035934.D

Acq: 27 Jul 2018 12:50

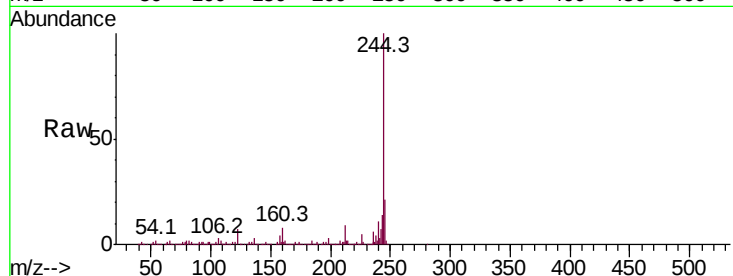
Tot Ion:184 Resp: 21864

Ion Ratio Lower Upper

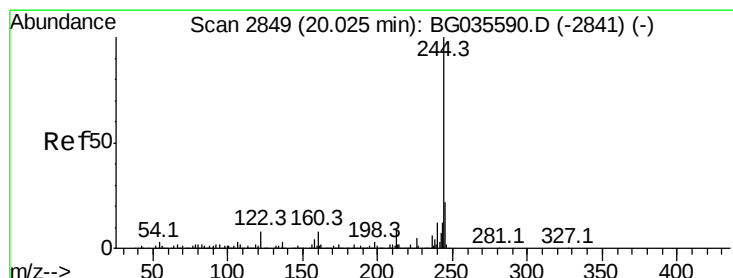
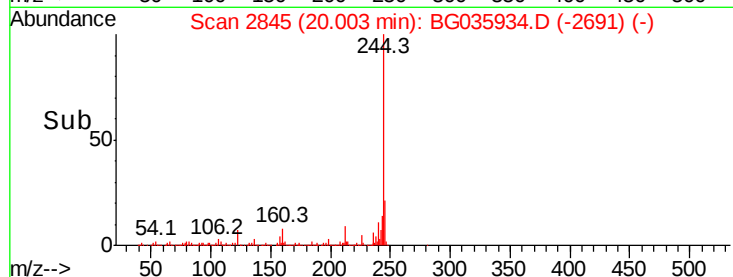
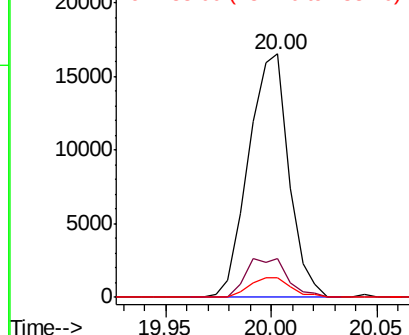
184 100

185 16.0 11.1 16.7

183 8.0 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: 95.074 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG035934.D

Acq: 27 Jul 2018 12:50

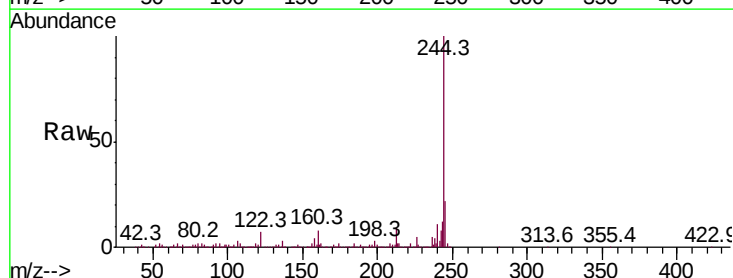
Tgt Ion:244 Resp: 1293427

Ion Ratio Lower Upper

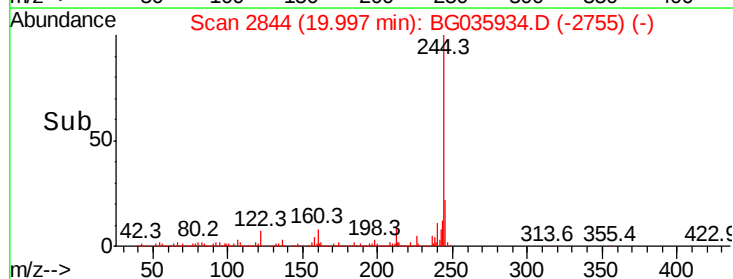
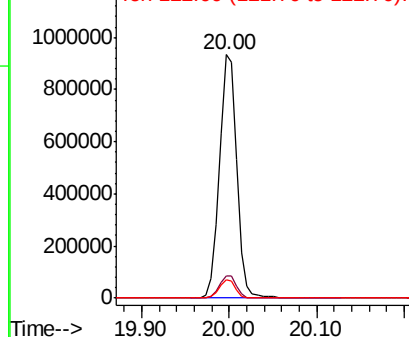
244 100

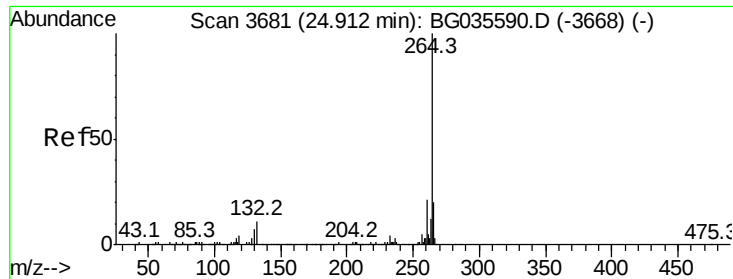
212 9.4 5.8 8.8#

122 7.4 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
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG035934.D
Acq: 27 Jul 2018 12:50

Tot Ion:	264	Resp:	277220
Ion	Ratio	Lower	Upper
264	100		
260	25.3	17.4	26.0
265	21.9	17.7	26.5

