

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034803.D
 Acq On : 30 May 2018 11:40
 Operator : SJ/JU
 Sample : J3124-16
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

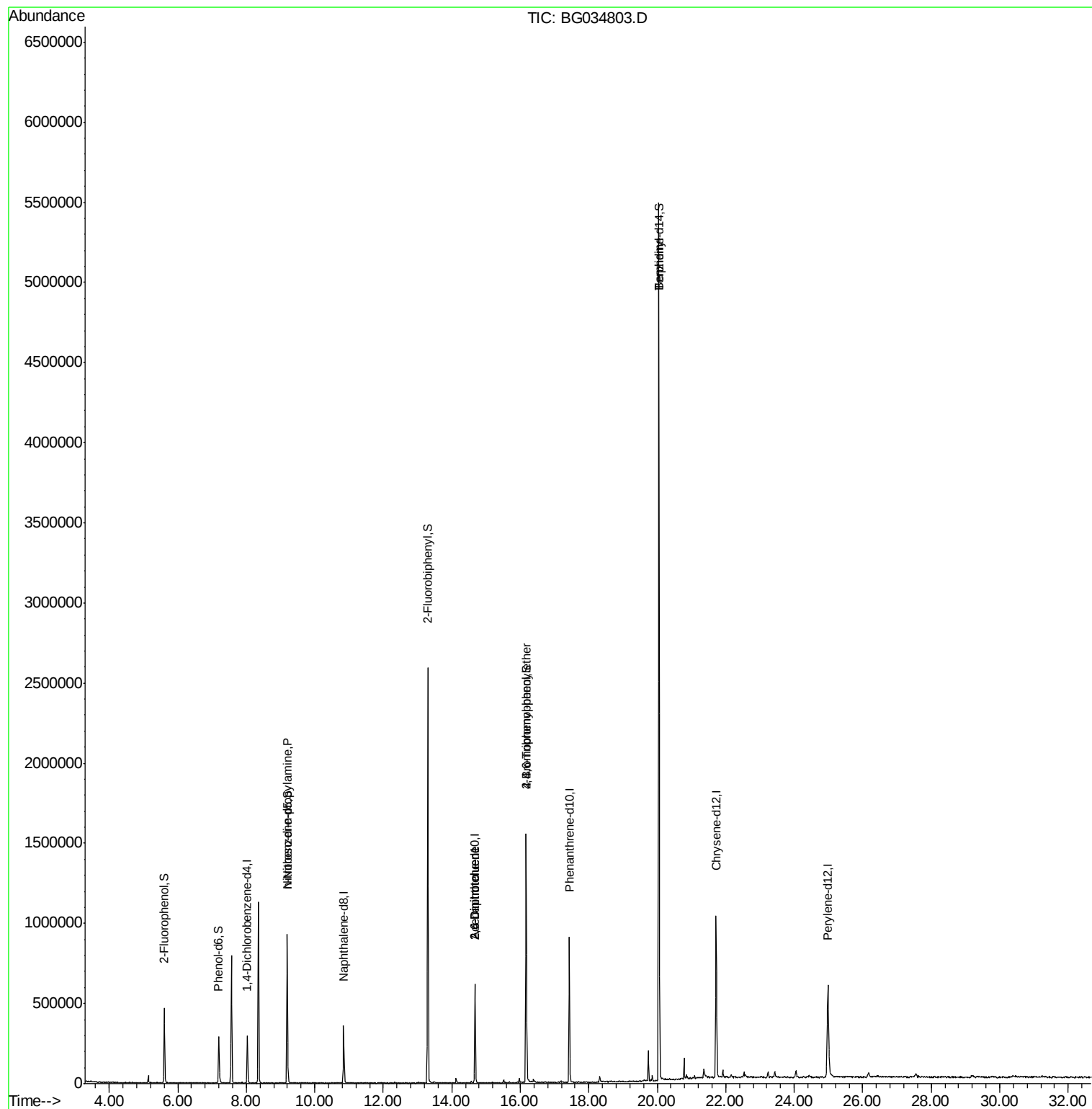
Quant Time: May 30 12:22:04 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	83186	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	306513	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	220893	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	586949	20.00	ng	0.00
75) Chrysene-d12	21.72	240	691060	20.00	ng	-0.02
86) Perylene-d12	24.98	264	714889	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	218247	40.41	ng	0.00
7) Phenol-d6	7.19	99	189980	21.74	ng	-0.01
23) Nitrobenzene-d5	9.20	82	645271	80.42	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	338273	88.92	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	1389154	85.38	ng	0.00
78) Terphenyl-d14	20.05	244	2766380	87.79	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	87842	12.276	ng	# 68
50) 2,6-Dinitrotoluene	14.68	165	28195	7.211	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	28195	4.858	ng	# 17
66) 4-Bromophenyl-phenylether	16.17	248	26998	3.495	ng	# 1
76) Benzidine	20.05	184	38516	5.306	ng	# 93

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

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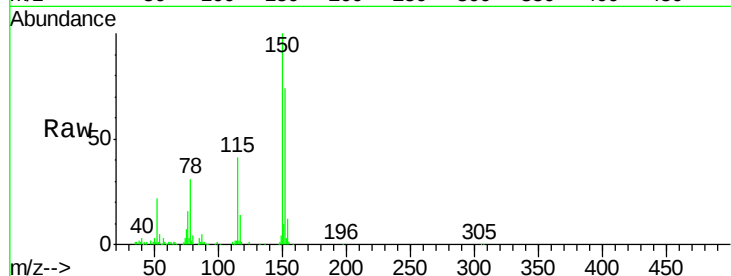




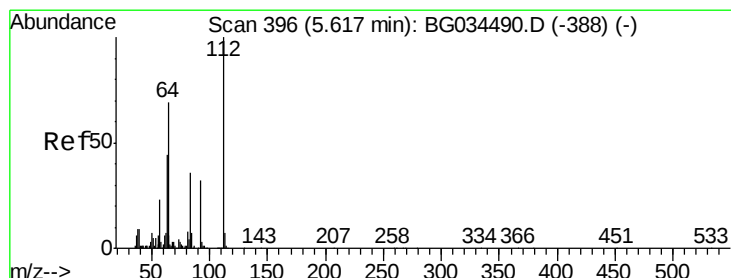
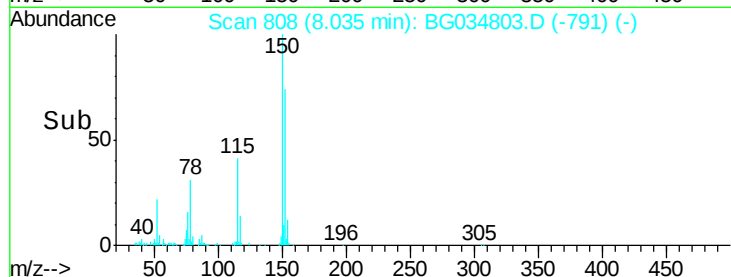
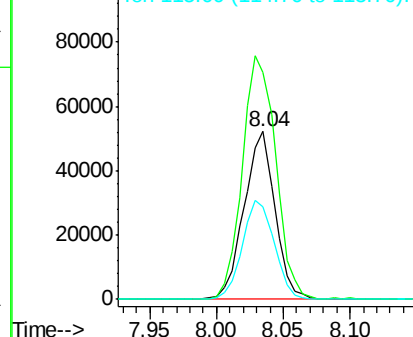
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. 0.00 min
Lab File: BG034803.D
Acq: 30 May 2018 11:40

Tot Ion	152	Resp	83186
Ion Ratio	Lower	Upper	
152	100		
150	135.2	126.6	189.8
115	55.1	53.0	79.4



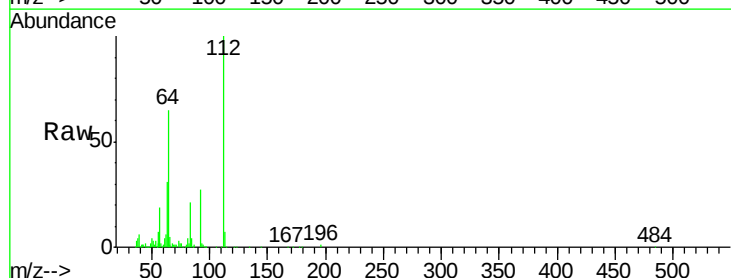
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



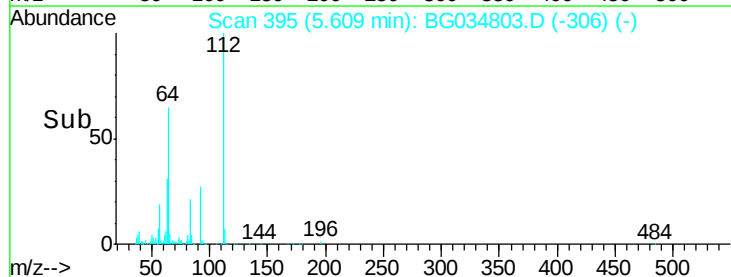
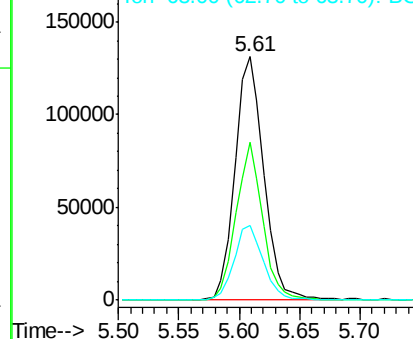
#5

2-Fluorophenol
Concen: 40.409 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.01 min
Lab File: BG034803.D
Acq: 30 May 2018 11:40

Tgt Ion	112	Resp	218247
Ion Ratio	Lower	Upper	
112	100		
64	65.1	56.3	84.5
63	30.8	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: 21.744 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG034803.D

Acq: 30 May 2018 11:40

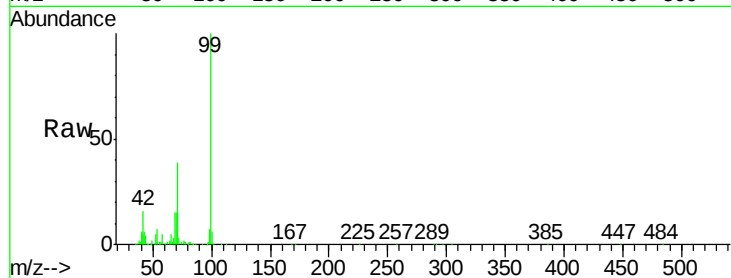
Tot Ion: 99 Resp: 189980

Ion Ratio Lower Upper

99 100

42 15.6 14.1 21.1

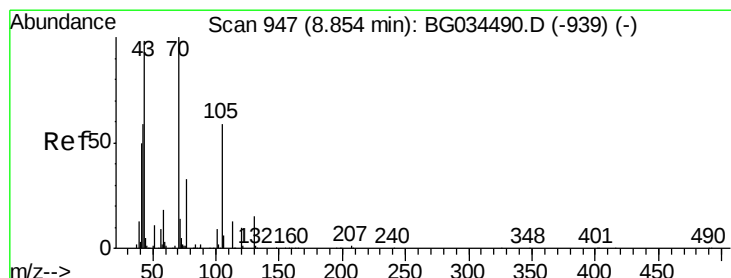
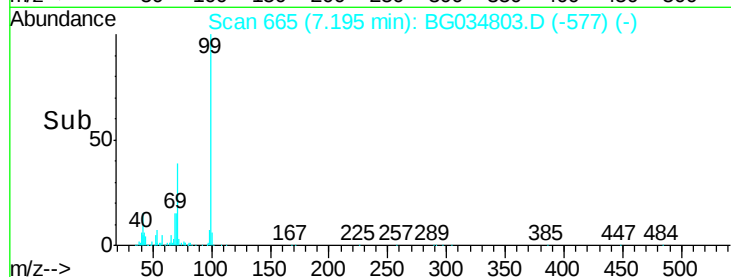
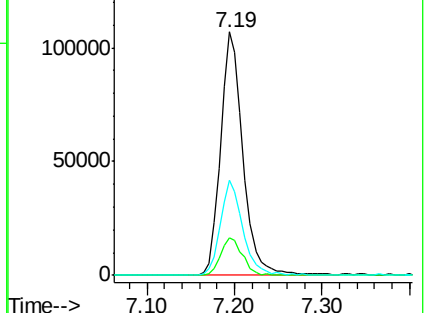
71 39.1 26.1 39.1



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: 12.276 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG034803.D

Acq: 30 May 2018 11:40

Tgt Ion: 70 Resp: 87842

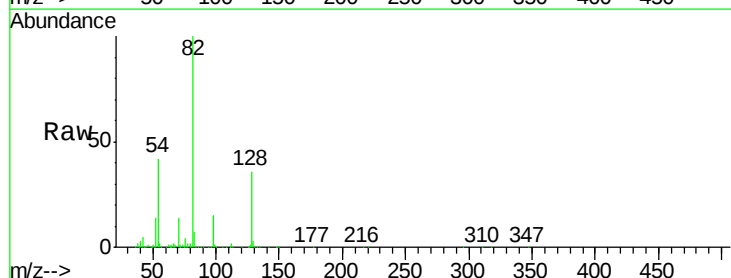
Ion Ratio Lower Upper

70 100

42 36.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

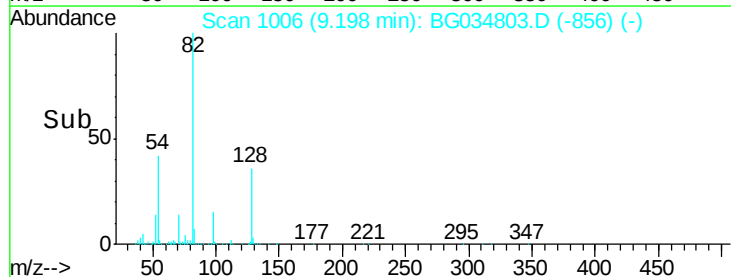
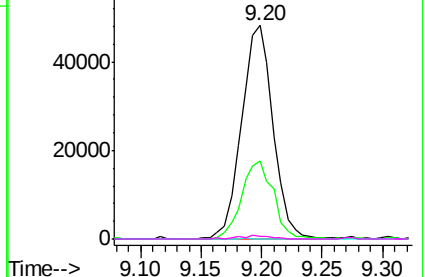


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

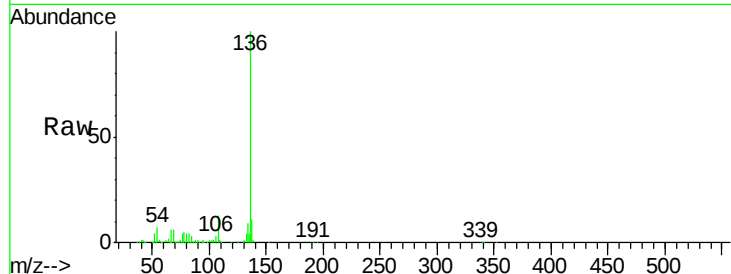
Ion 130.00 (129.70 to 130.70): BGC



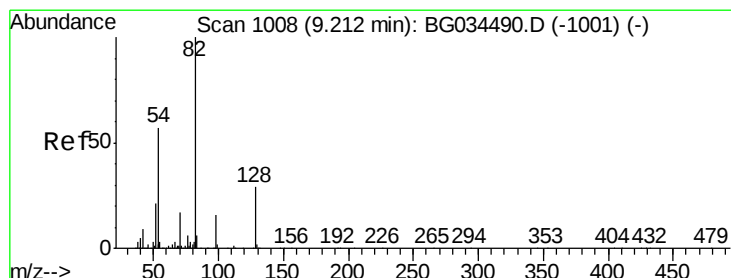
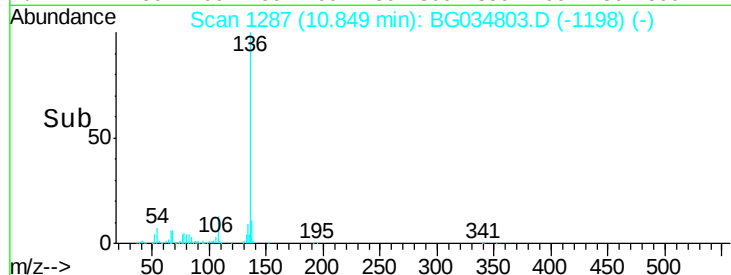
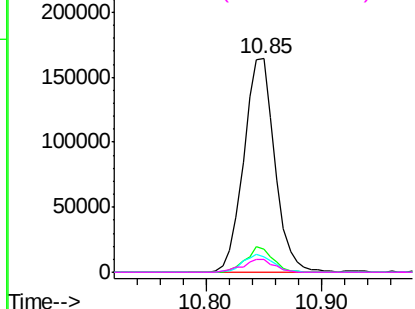


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG034803.D
Acq: 30 May 2018 11:40

Tot Ion:136	Resp:	306513
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	7.2	10.3 15.5#
68	6.1	4.5 6.7

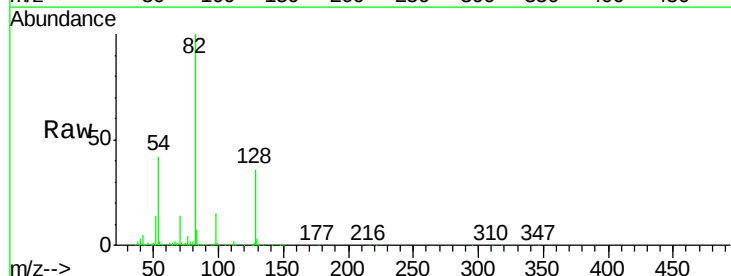


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

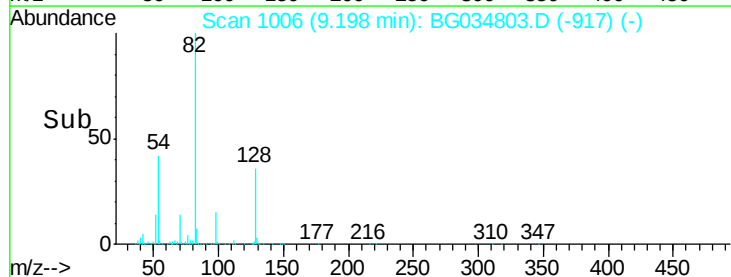
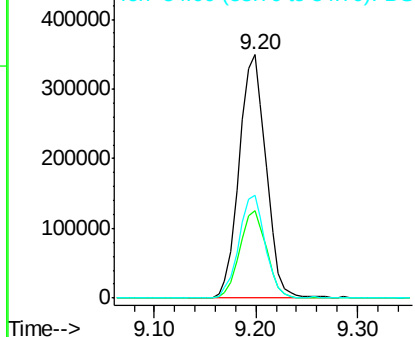


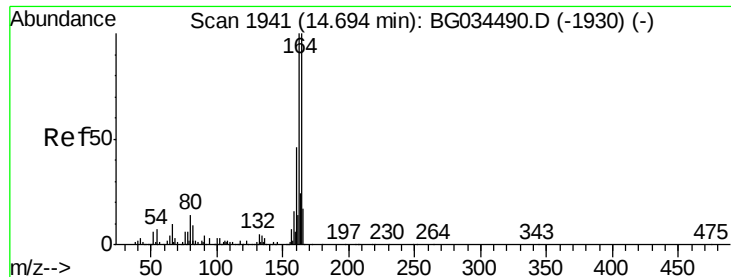
#23
Nitrobenzene-d5
Concen: 80.419 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG034803.D
Acq: 30 May 2018 11:40

Tgt Ion: 82	Resp:	645271
Ion Ratio	Lower	Upper
82	100	
128	36.1	29.7 44.5
54	42.3	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: 14.68 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG034803.D

Acq: 30 May 2018 11:40

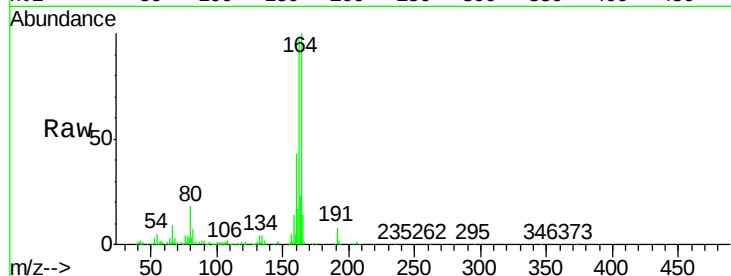
Tot Ion:164 Resp: 220893

Ion Ratio Lower Upper

164 100

162 97.4 78.8 118.2

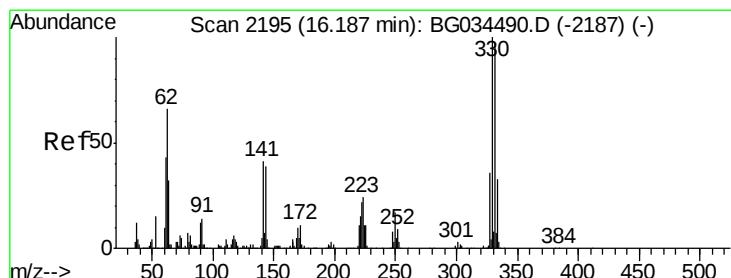
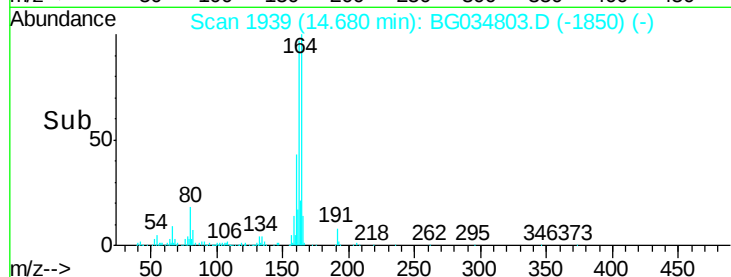
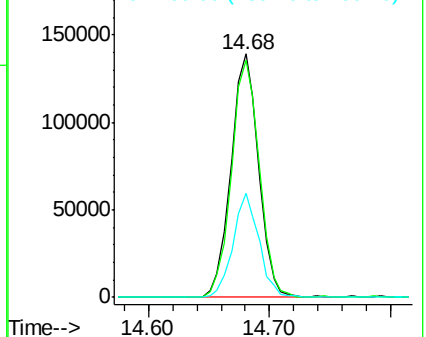
160 42.6 35.4 53.0



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: 88.917 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG034803.D

Acq: 30 May 2018 11:40

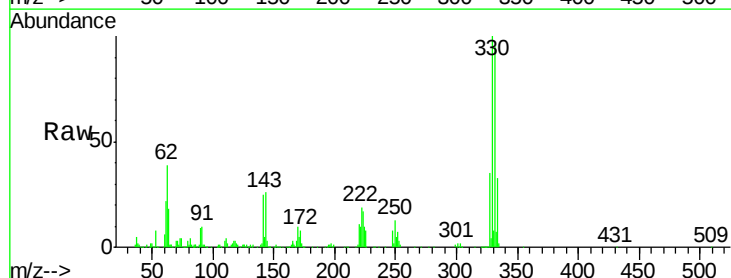
Tgt Ion:330 Resp: 338273

Ion Ratio Lower Upper

330 100

332 98.7 77.0 115.6

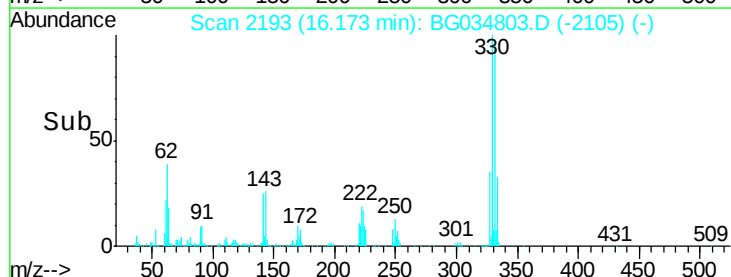
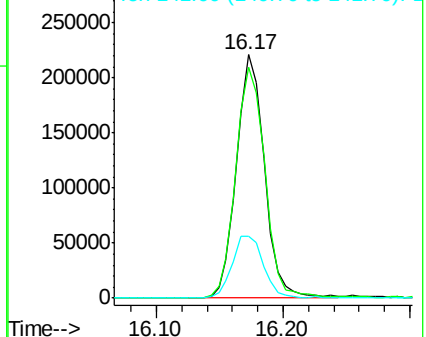
141 28.4 25.2 37.8

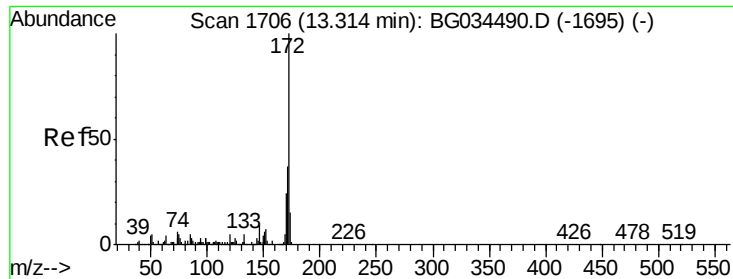


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

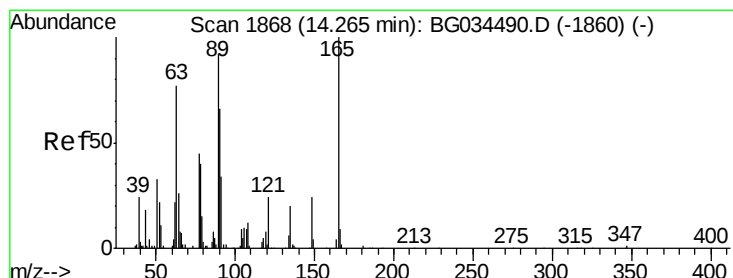
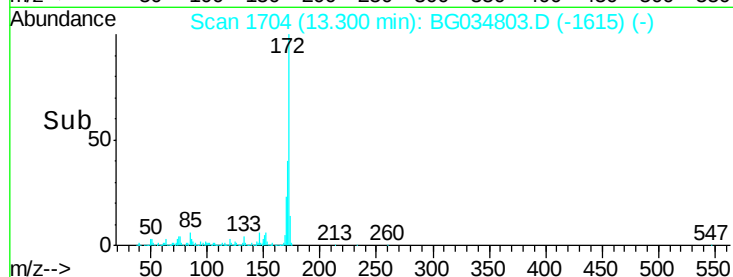
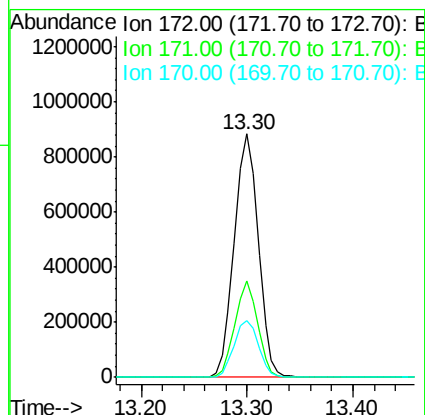
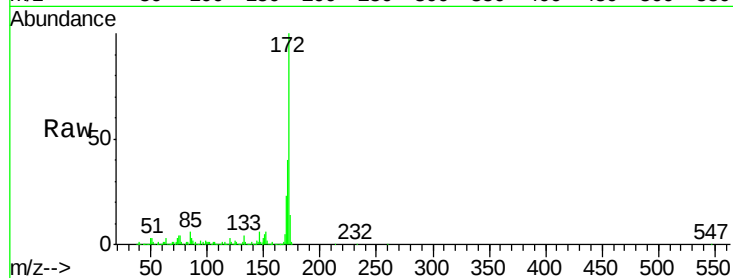
Ion 141.00 (140.70 to 141.70): E





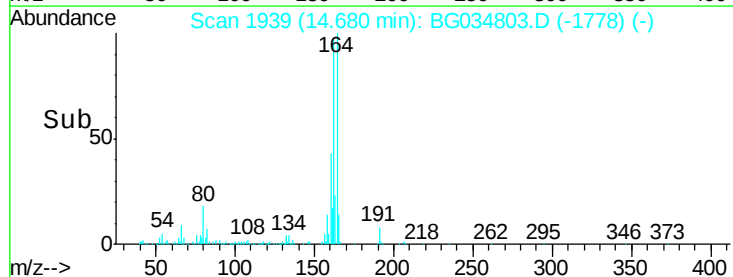
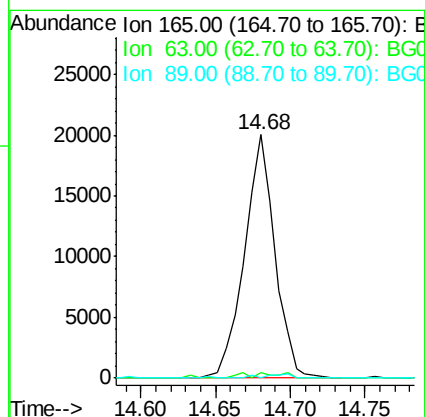
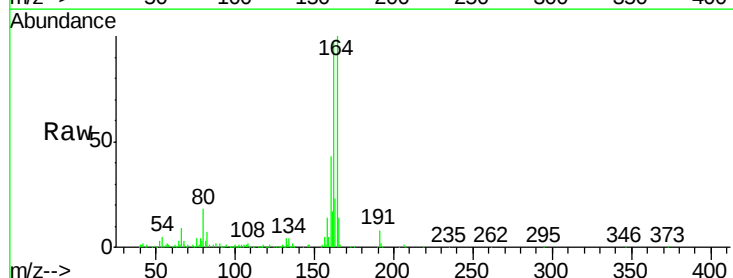
#44
2-Fluorobiphenyl
Concen: 85.378 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BG034803.D
Acq: 30 May 2018 11:40

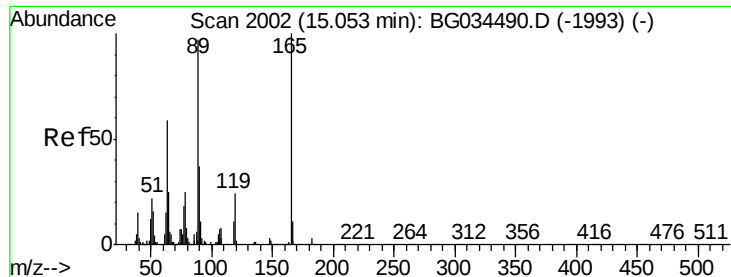
Tot Ion:172 Resp: 1389154
Ion Ratio Lower Upper
172 100
171 39.7 30.0 45.0
170 23.3 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.211 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.42 min
Lab File: BG034803.D
Acq: 30 May 2018 11:40

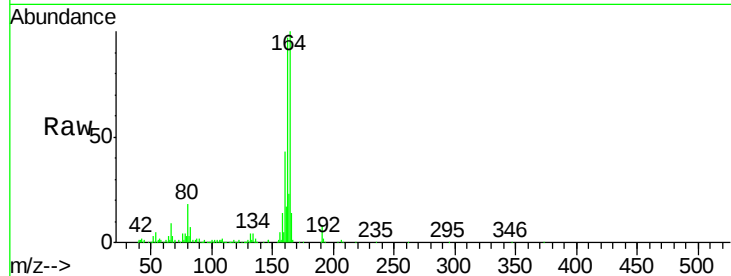
Tgt Ion:165 Resp: 28195
Ion Ratio Lower Upper
165 100
63 2.3 52.7 79.1#
89 0.0 49.2 73.8#





#56
2,4-Dinitrotoluene
Concen: 4.858 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.37 min
Lab File: BG034803.D
Acq: 30 May 2018 11:40

Tot 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#

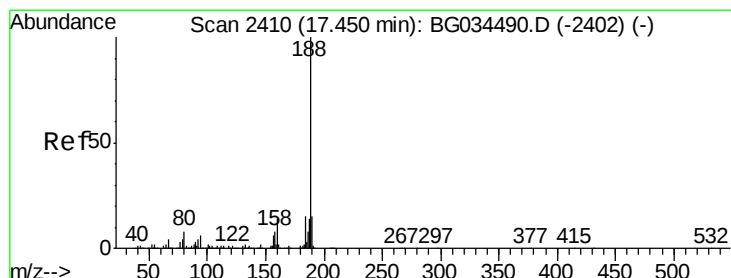
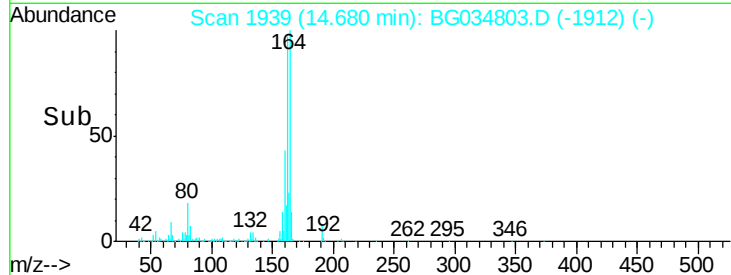
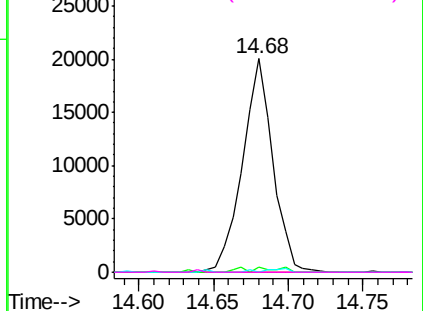


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

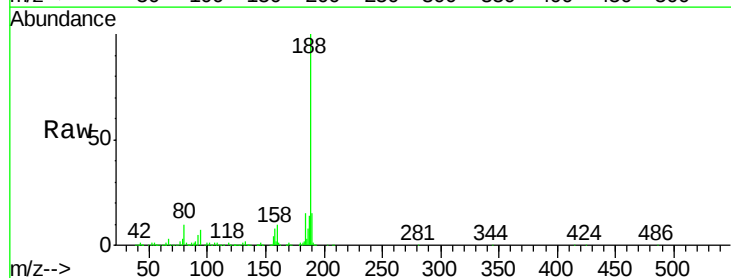
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BG034803.D
Acq: 30 May 2018 11:40

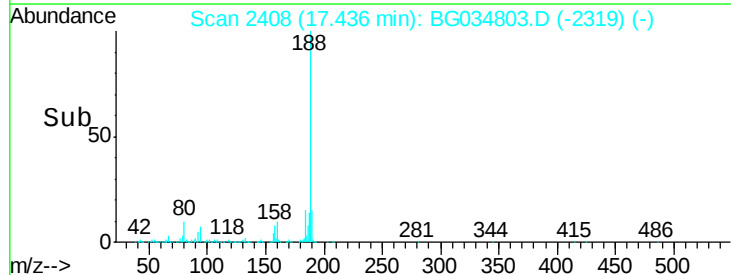
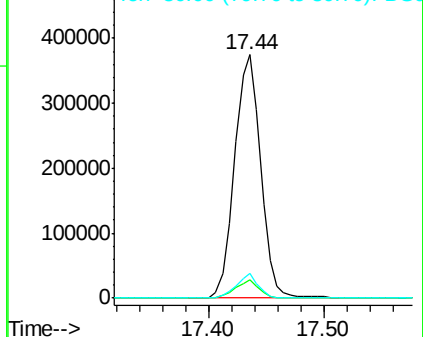
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.9	10.3
80	10.1	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

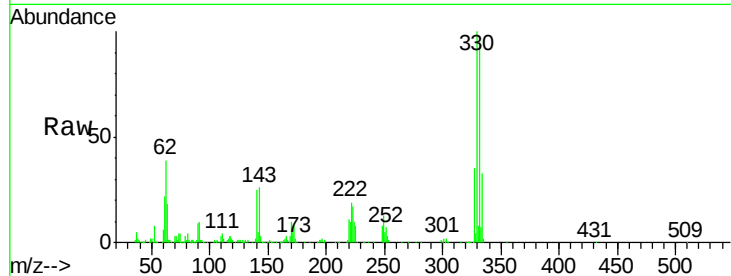
Ion 80.00 (79.70 to 80.70): BGC



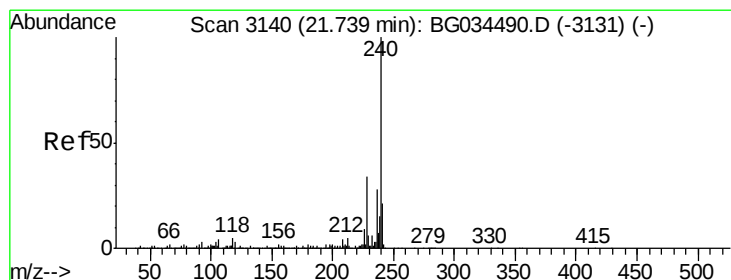
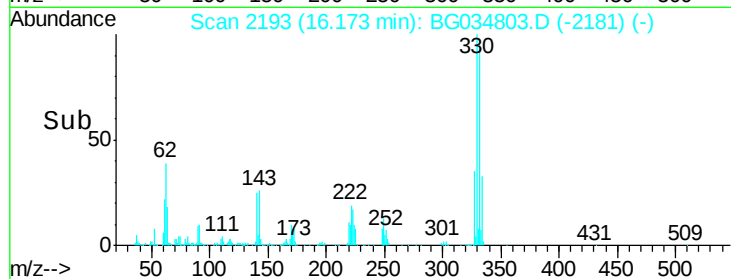
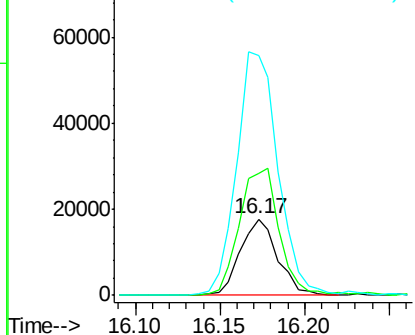


#66
4-Bromophenyl-phenylether
Concen: 3.495 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG034803.D
Acq: 30 May 2018 11:40

Tot Ion:248 Resp: 26998
Ion Ratio Lower Upper
248 100
250 160.3 77.1 115.7#
141 313.5 50.8 76.2#

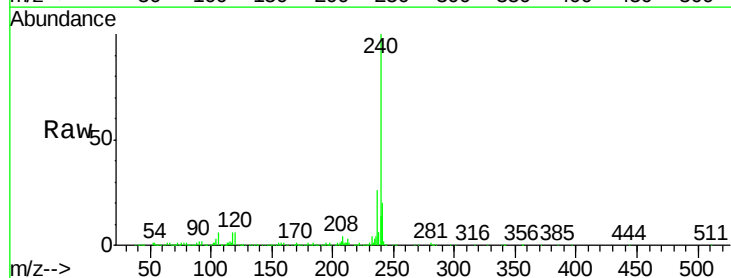


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

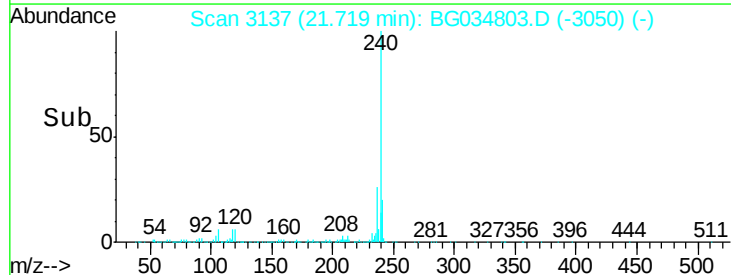
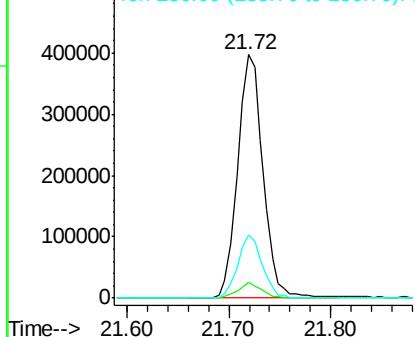


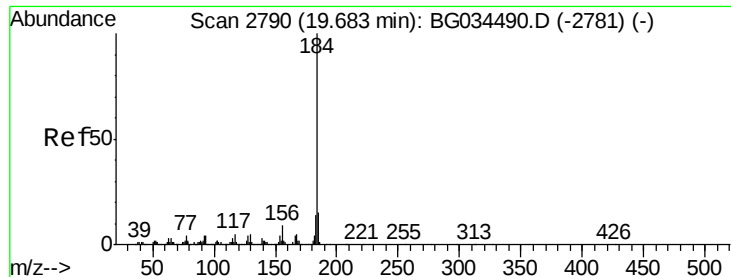
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG034803.D
Acq: 30 May 2018 11:40

Tgt Ion:240 Resp: 691060
Ion Ratio Lower Upper
240 100
120 6.4 6.8 10.2#
236 26.1 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: 5.306 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.37 min

Lab File: BG034803.D

Acq: 30 May 2018 11:40

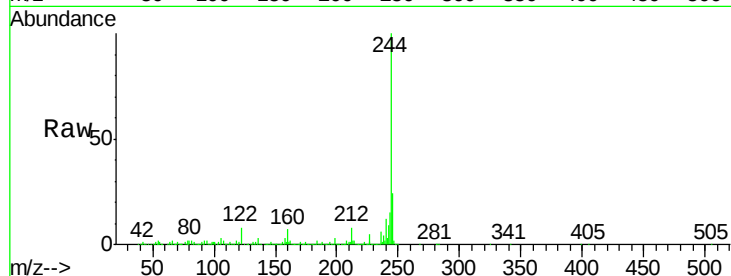
Tot Ion:184 Resp: 38516

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

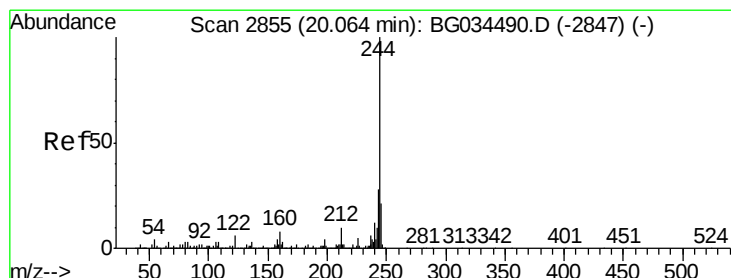
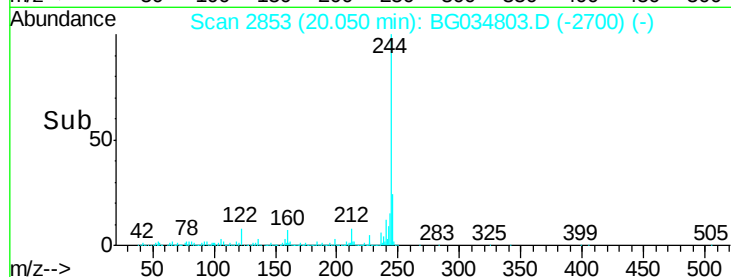
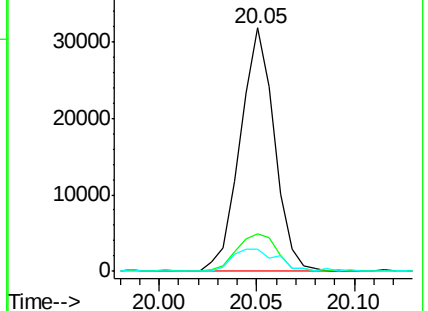
183 9.0 10.6 16.0#



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: 87.786 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG034803.D

Acq: 30 May 2018 11:40

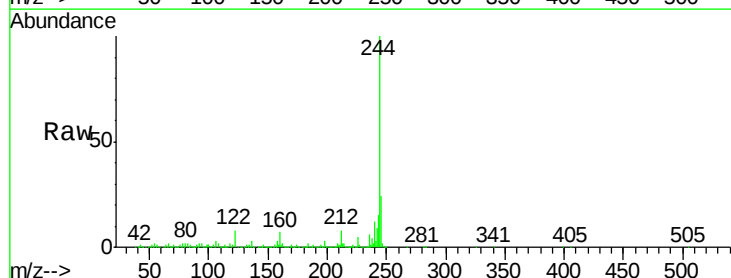
Tgt Ion:244 Resp: 2766380

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

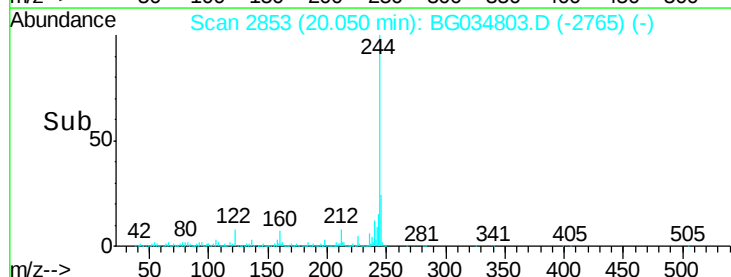
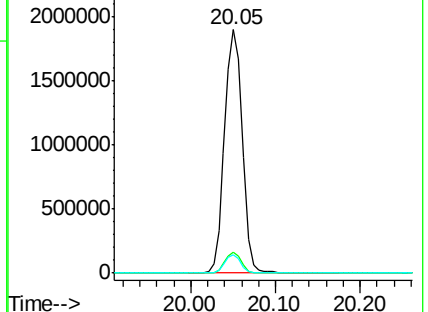
122 7.7 7.0 10.4

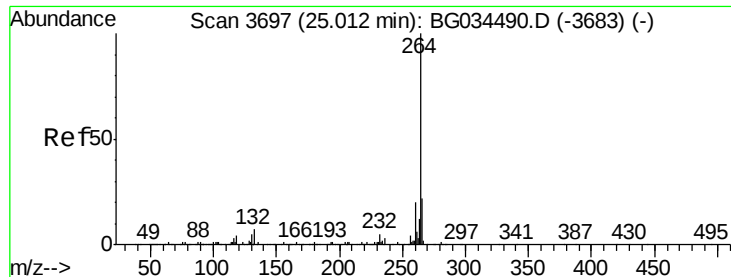


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

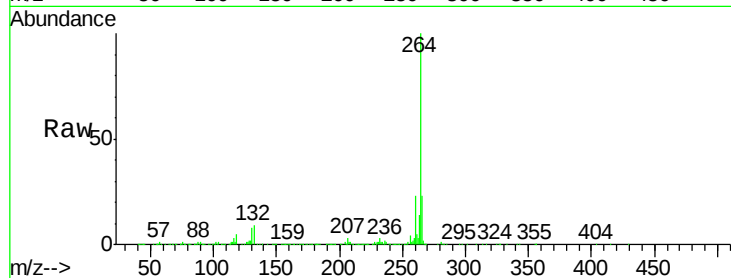
Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.98 min Scan# 3692
 Delta R.T. -0.02 min
 Lab File: BG034803.D
 Acq: 30 May 2018 11:40

Tot	Ion:264	Resp:	714889
Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	22.7	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

