

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034798.D
 Acq On : 30 May 2018 5:13
 Operator : SJ/JU
 Sample : J3178-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

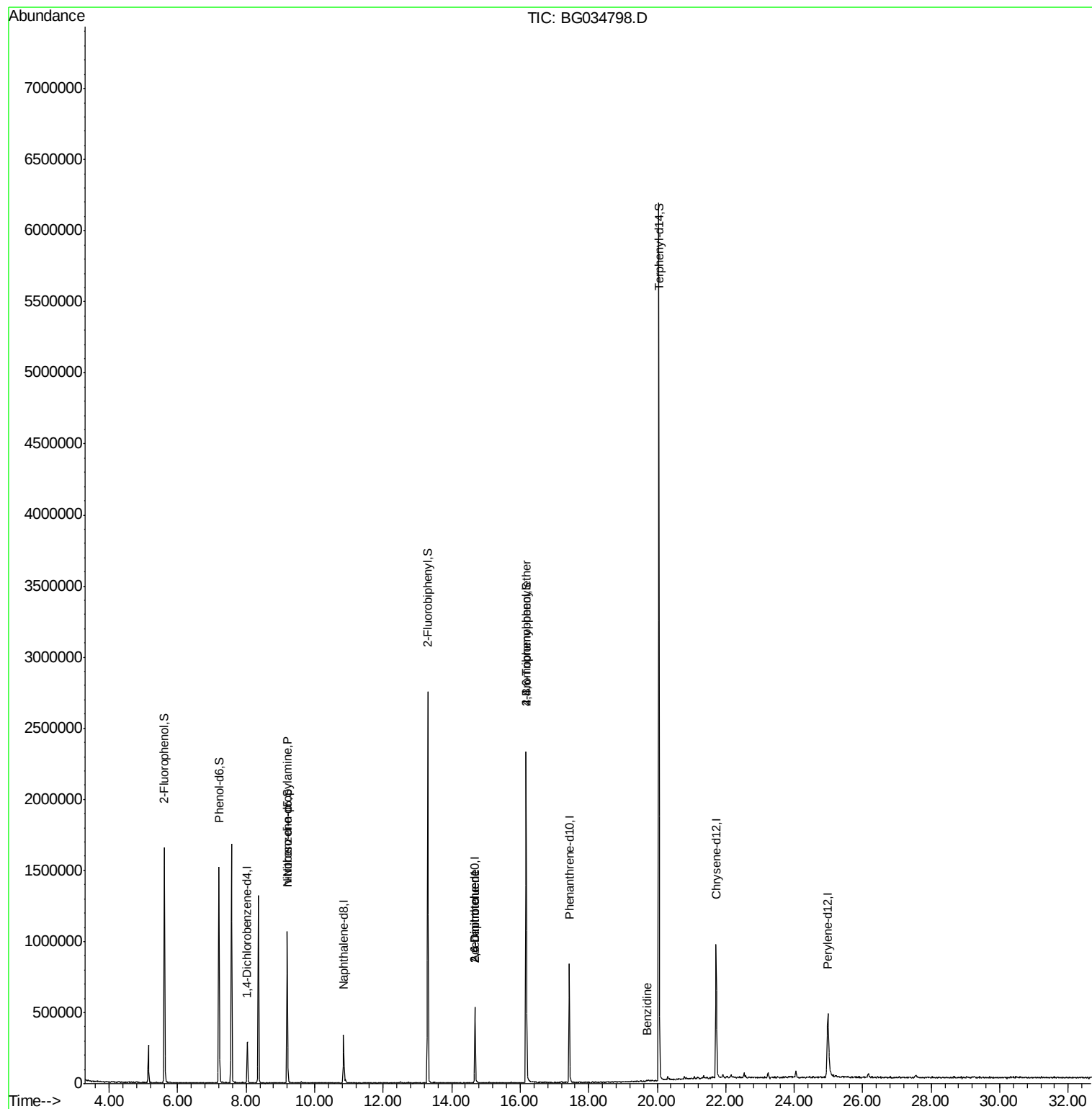
Quant Time: May 30 07:51:11 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

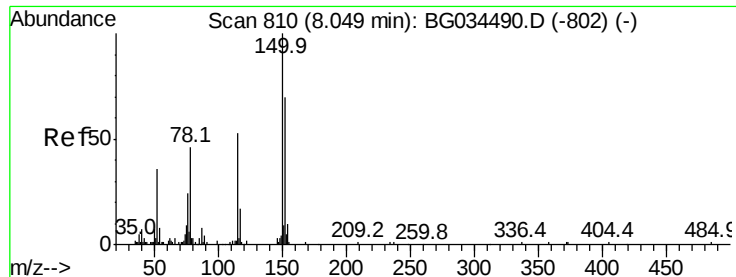
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	81133	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	293629	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	203076	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	553284	20.00	ng	0.00
75) Chrysene-d12	21.72	240	663228	20.00	ng	-0.02
86) Perylene-d12	24.98	264	656444	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	767241	145.65	ng	0.00
7) Phenol-d6	7.20	99	991987	116.41	ng	0.00
23) Nitrobenzene-d5	9.20	82	728210	94.74	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	525684	150.30	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1518598	101.52	ng	0.00
78) Terphenyl-d14	20.05	244	3005274	99.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	100883	14.455	ng	# 69
50) 2,6-Dinitrotoluene	14.68	165	27544	7.663	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	27544	5.162	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	35918	4.933	ng	# 1
76) Benzidine	19.70	184	12001	4.036	ng	# 82

(#) = 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: BG034798.D

Acq: 30 May 2018 5:13

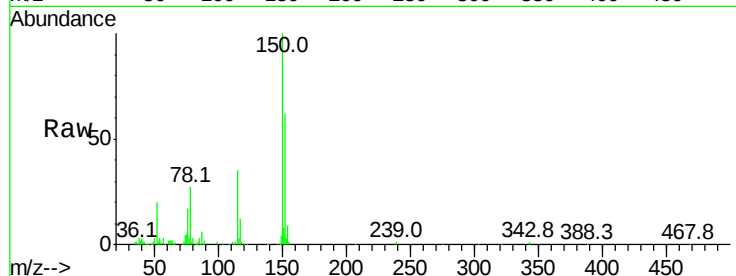
Tot Ion:152 Resp: 81133

Ion Ratio Lower Upper

152 100

150 161.4 126.6 189.8

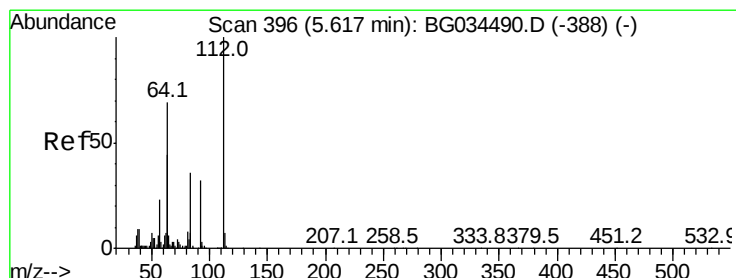
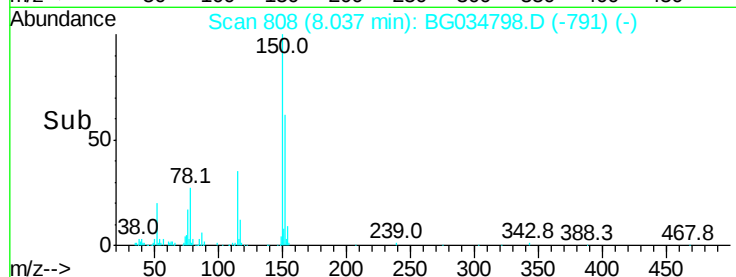
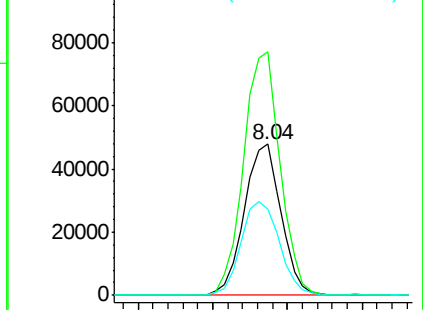
115 56.9 53.0 79.4



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: 145.653 ng

RT: 5.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: BG034798.D

Acq: 30 May 2018 5:13

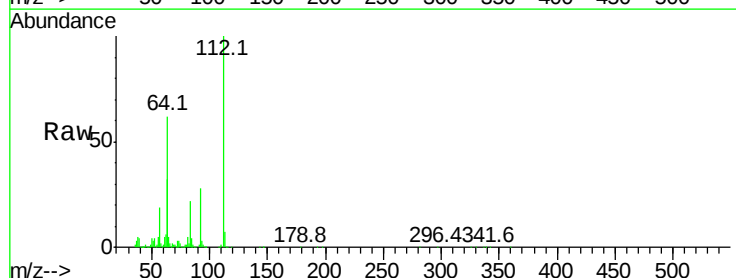
Tgt Ion:112 Resp: 767241

Ion Ratio Lower Upper

112 100

64 62.4 56.3 84.5

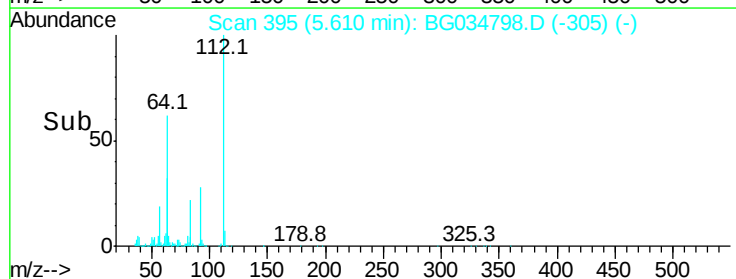
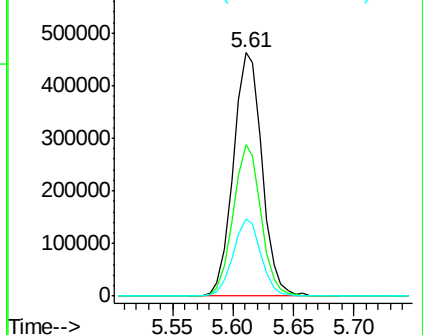
63 31.8 30.1 45.1

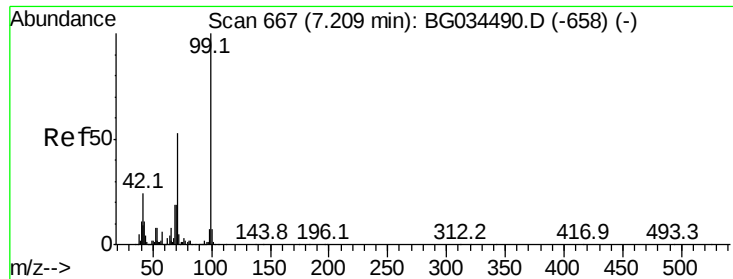


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 116.413 ng

RT: 7.20 min Scan# 666

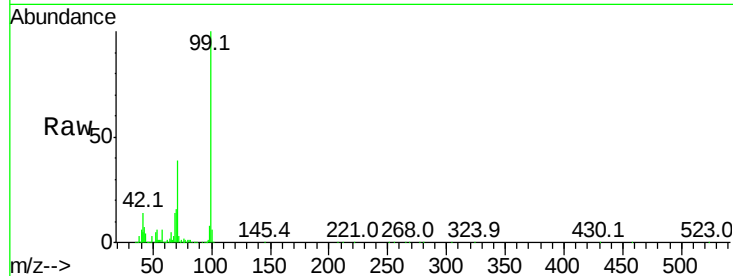
Delta R.T. -0.00 min

Lab File: BG034798.D

Acq: 30 May 2018 5:13

Tot Ion: 99 Resp: 991987

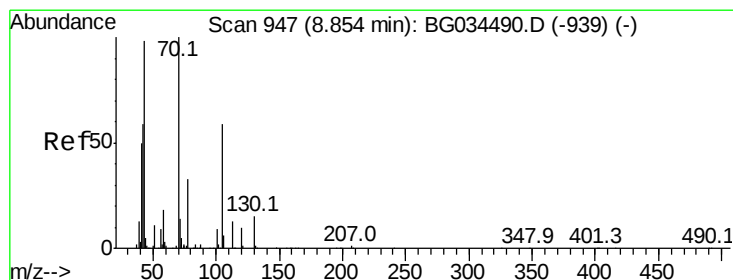
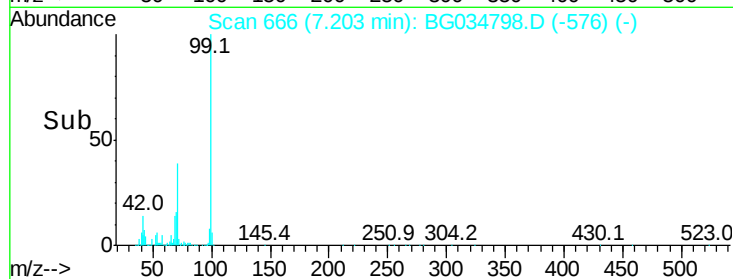
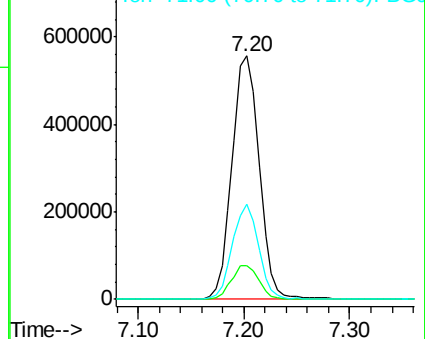
Ion	Ratio	Lower	Upper
99	100		
42	13.8	14.1	21.1#
71	39.2	26.1	39.1#



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: 14.455 ng

RT: 9.20 min Scan# 1006

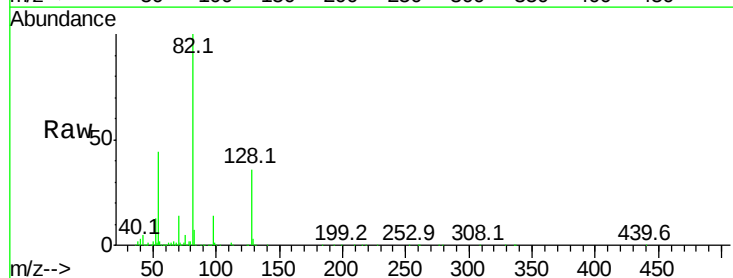
Delta R.T. 0.35 min

Lab File: BG034798.D

Acq: 30 May 2018 5:13

Tgt Ion: 70 Resp: 100883

Ion	Ratio	Lower	Upper
70	100		
42	37.4	49.1	73.7#
101	0.0	8.5	12.7#
130	2.3	13.4	20.0#

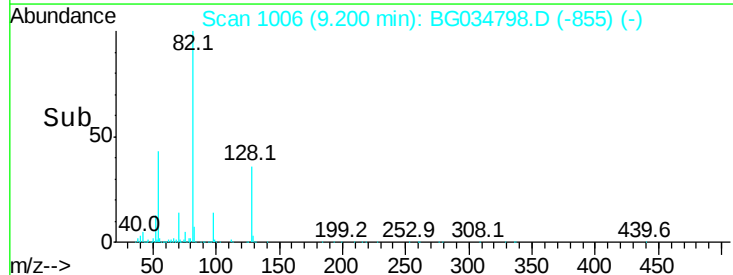
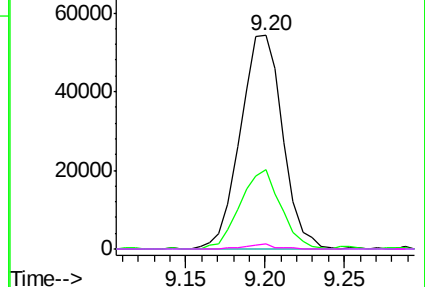


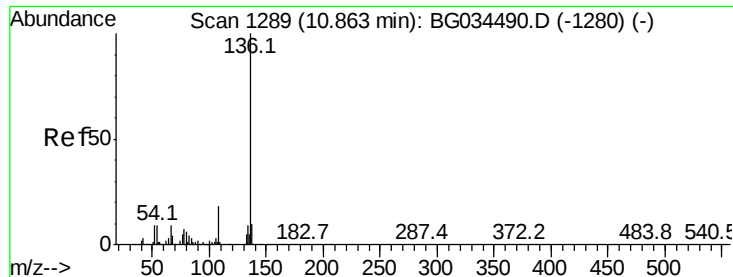
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

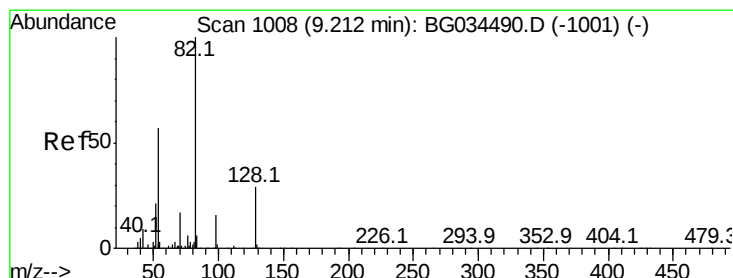
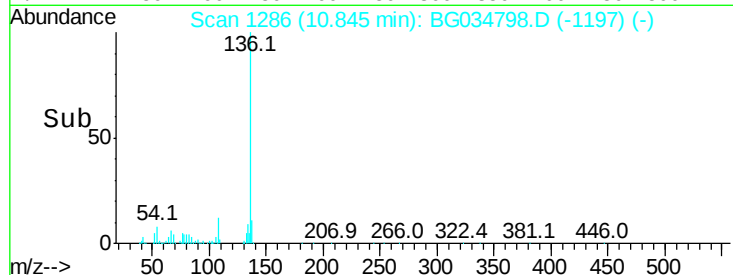
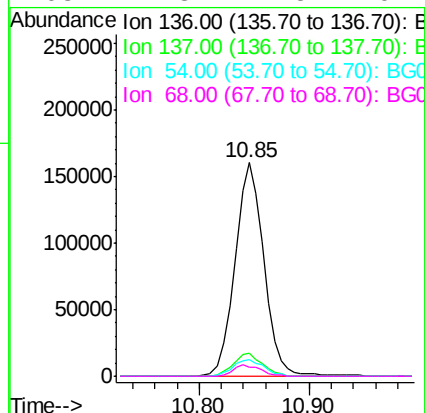
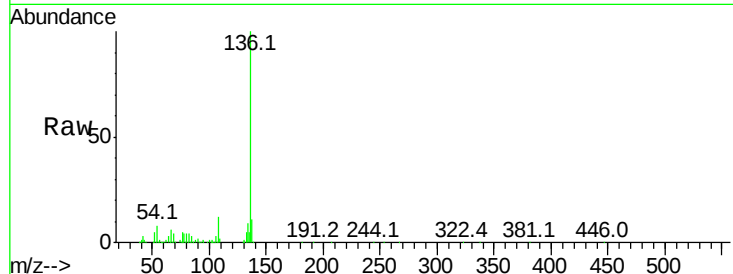
Ion 130.00 (129.70 to 130.70): BGC





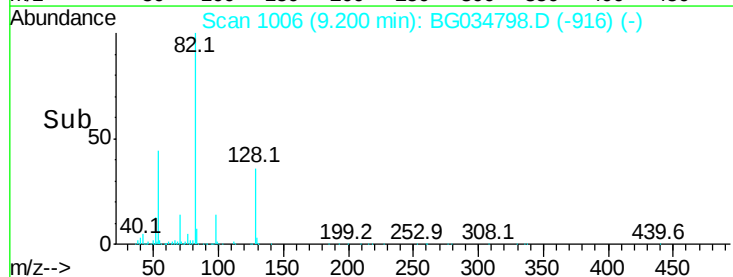
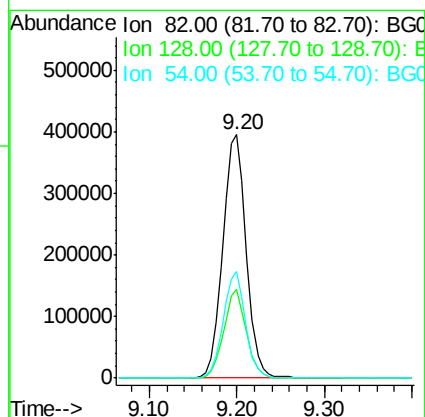
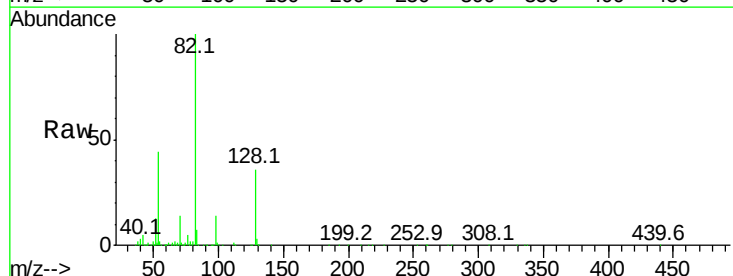
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG034798.D
Acq: 30 May 2018 5:13

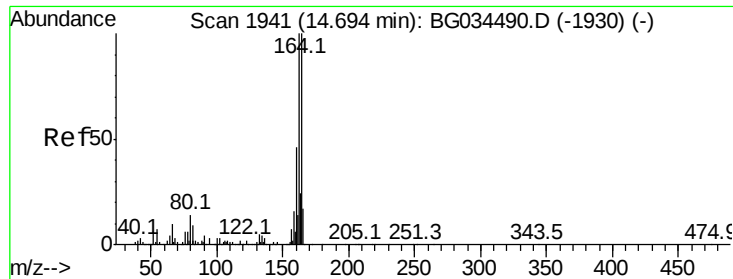
Tot Ion:	136	Resp:	293629
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.6	10.3	15.5#
68	4.3	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 94.738 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BG034798.D
Acq: 30 May 2018 5:13

Tgt Ion:	82	Resp:	728210
Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.7	44.5
54	43.6	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG034798.D

Acq: 30 May 2018 5:13

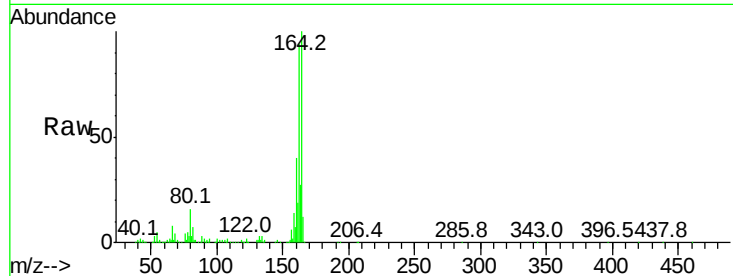
Tot Ion:164 Resp: 203076

Ion Ratio Lower Upper

164 100

162 93.9 78.8 118.2

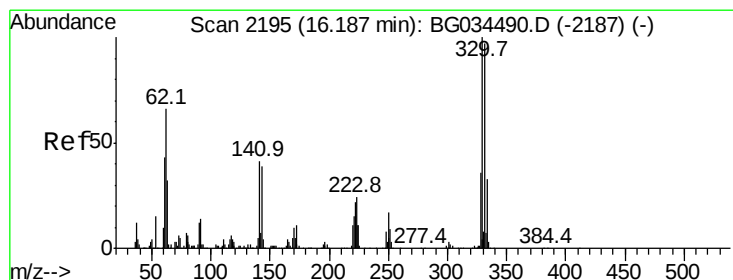
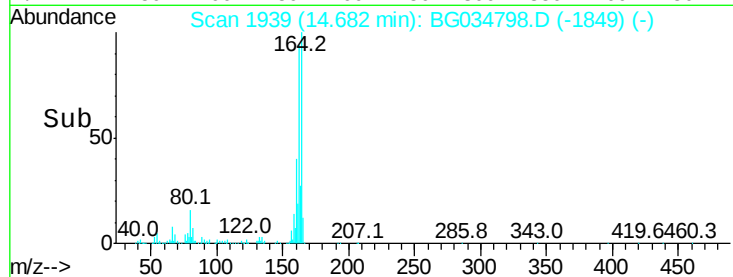
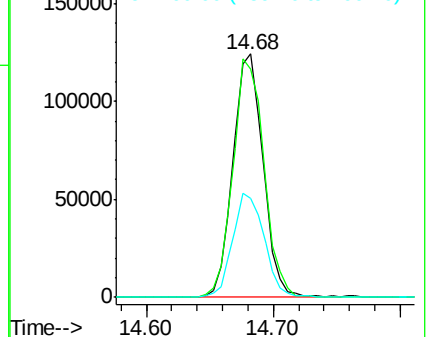
160 40.4 35.4 53.0



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: 150.302 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG034798.D

Acq: 30 May 2018 5:13

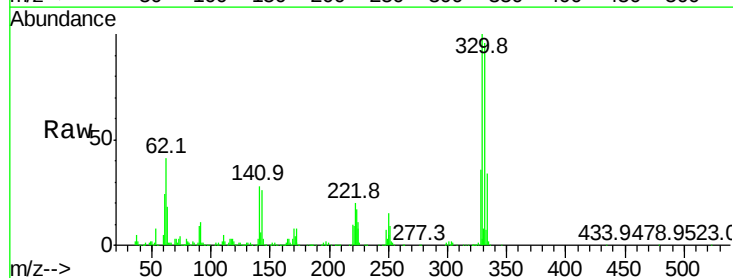
Tgt Ion:330 Resp: 525684

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

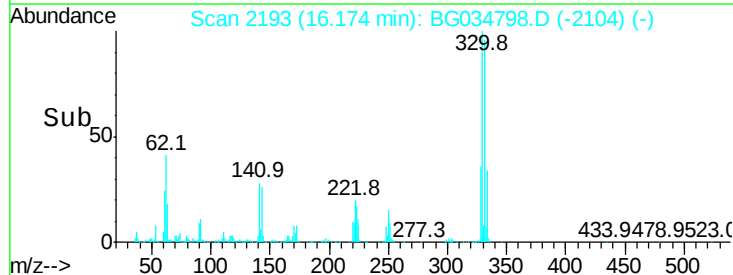
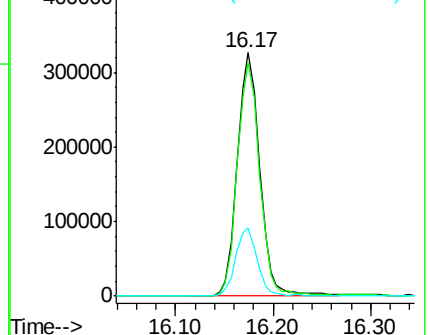
141 26.9 25.2 37.8

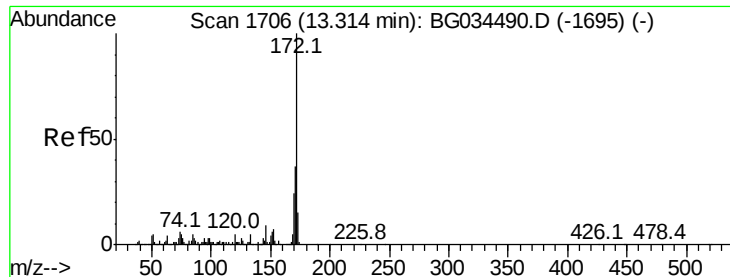


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

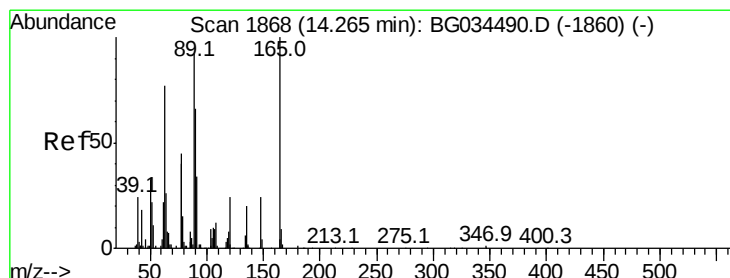
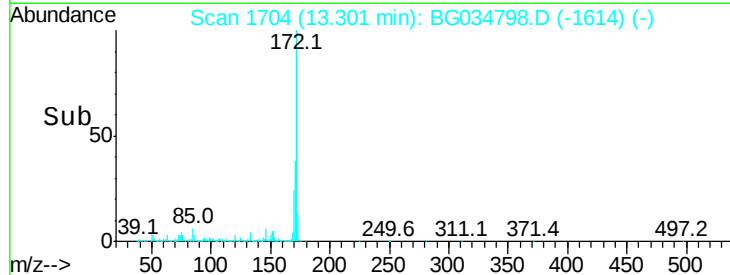
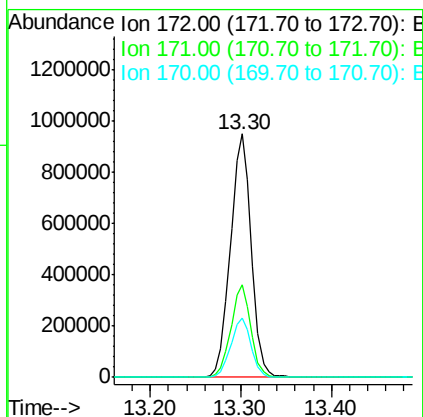
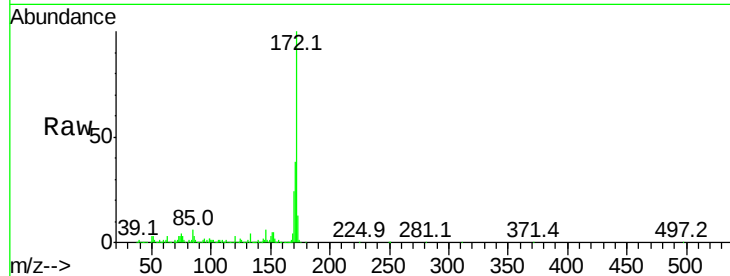




#44
 2-Fluorobiphenyl
 Concen: 101.523 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG034798.D
 Acq: 30 May 2018 5:13

Tot Ion:172 Resp: 1518598

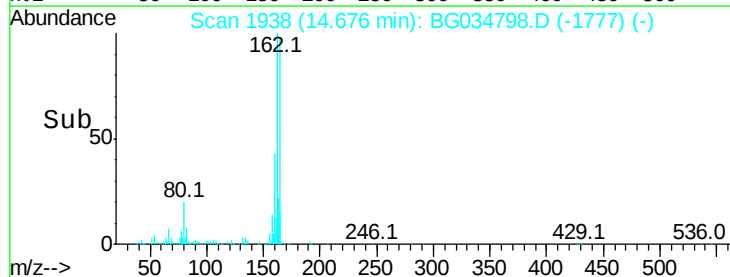
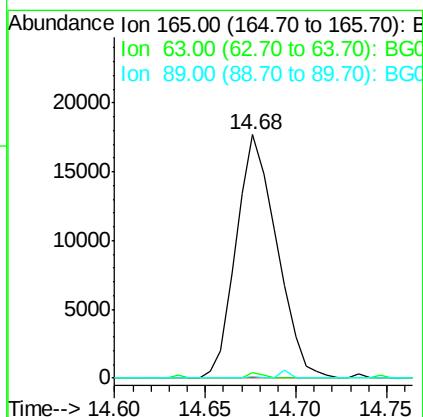
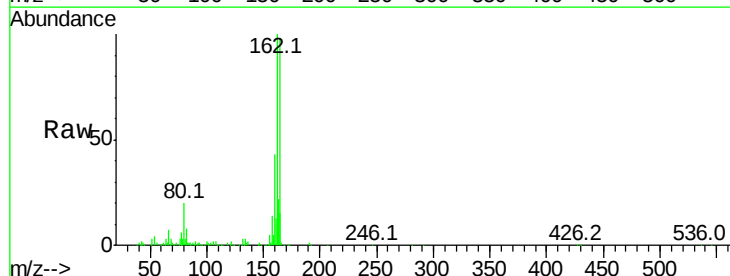
Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	24.4	19.5	29.3

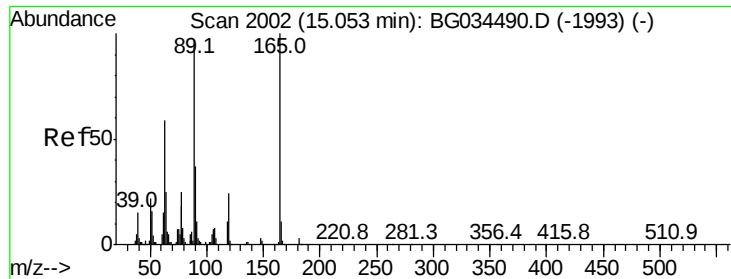


#50
 2,6-Dinitrotoluene
 Concen: 7.663 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. 0.41 min
 Lab File: BG034798.D
 Acq: 30 May 2018 5:13

Tgt Ion:165 Resp: 27544

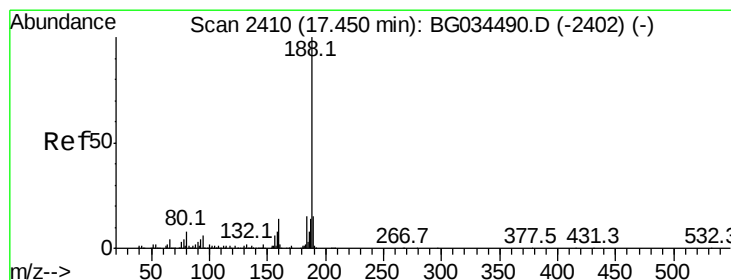
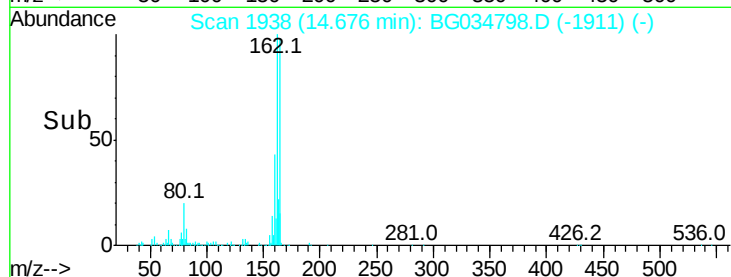
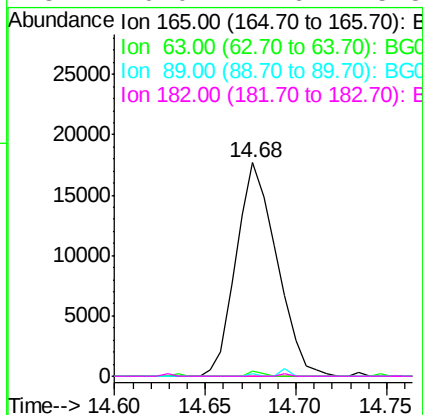
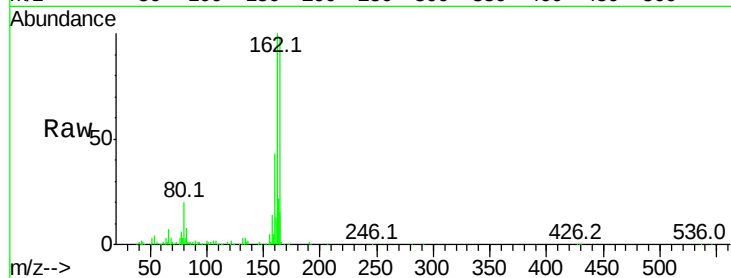
Ion	Ratio	Lower	Upper
165	100		
63	2.5	52.7	79.1#
89	0.9	49.2	73.8#





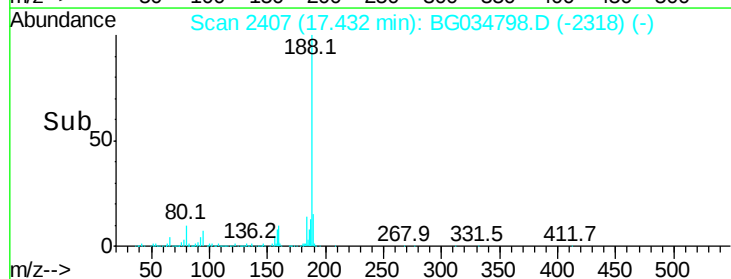
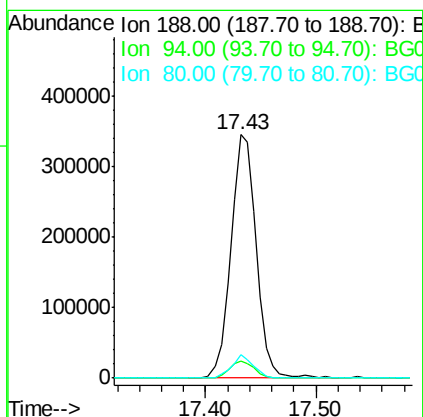
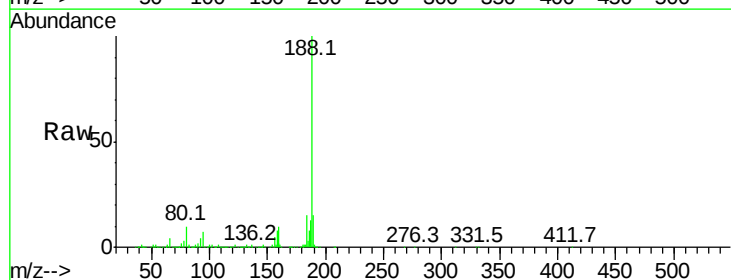
#56
 2,4-Dinitrotoluene
 Concen: 5.162 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. -0.37 min
 Lab File: BG034798.D
 Acq: 30 May 2018 5:13

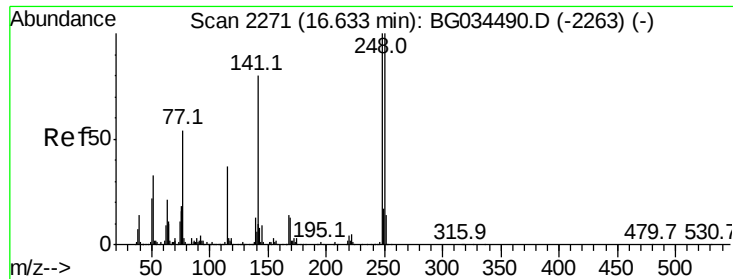
Tot Ion:165 Resp: 27544
 Ion Ratio Lower Upper
 165 100
 63 2.5 42.0 63.0#
 89 0.9 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG034798.D
 Acq: 30 May 2018 5:13

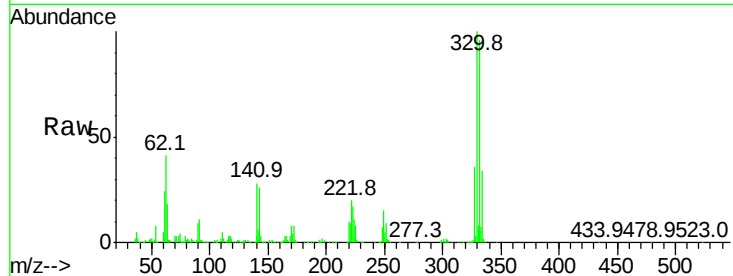
Tgt Ion:188 Resp: 553284
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 9.6 7.7 11.5



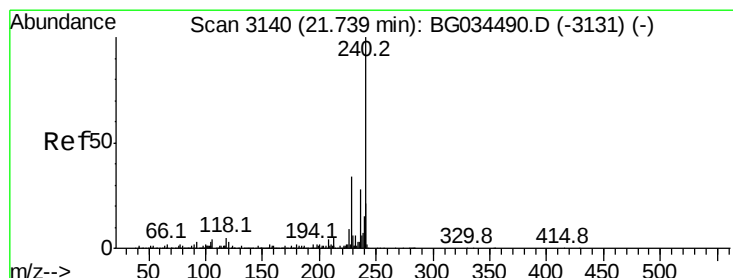
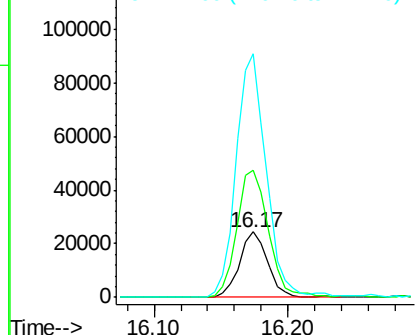
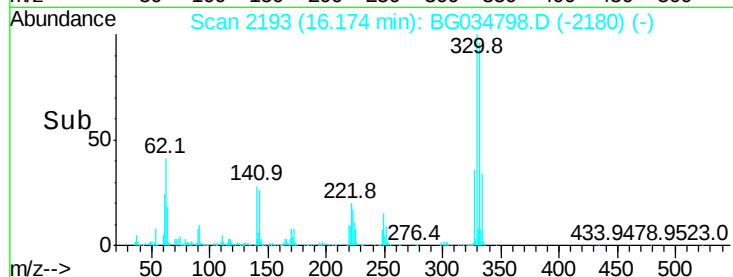


#66
4-Bromophenyl-phenylether
Concen: 4.933 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG034798.D
Acq: 30 May 2018 5:13

Tot Ion:248 Resp: 35918
Ion Ratio Lower Upper
248 100
250 196.1 77.1 115.7#
141 373.9 50.8 76.2#

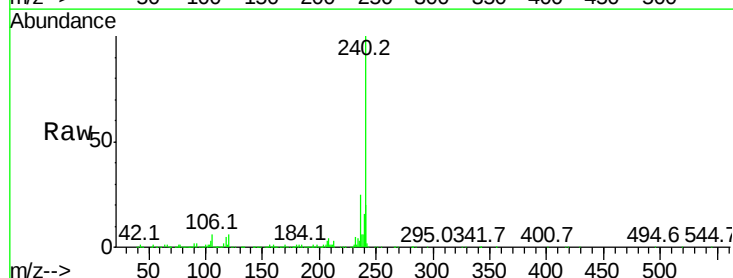


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

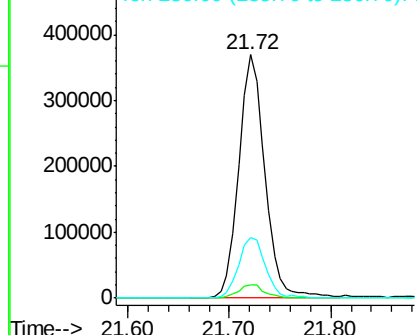
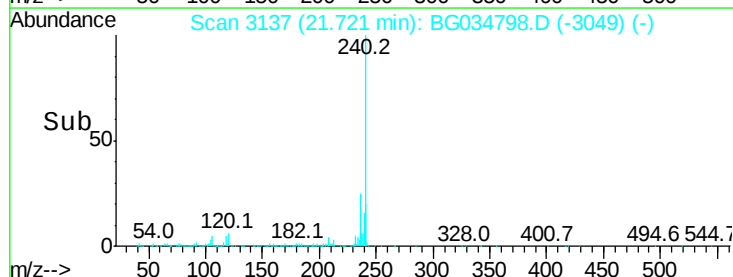


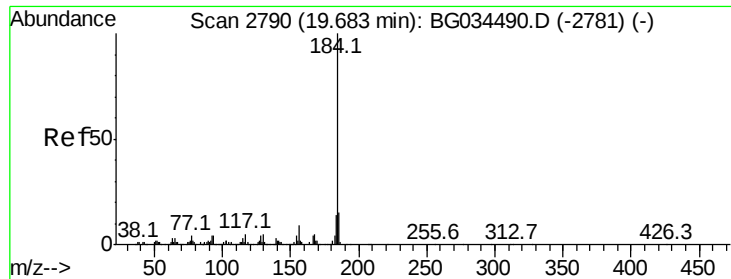
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG034798.D
Acq: 30 May 2018 5:13

Tgt Ion:240 Resp: 663228
Ion Ratio Lower Upper
240 100
120 5.6 6.8 10.2#
236 25.0 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: 4.036 ng

RT: 19.70 min Scan# 2793

Delta R.T. 0.02 min

Lab File: BG034798.D

Acq: 30 May 2018 5:13

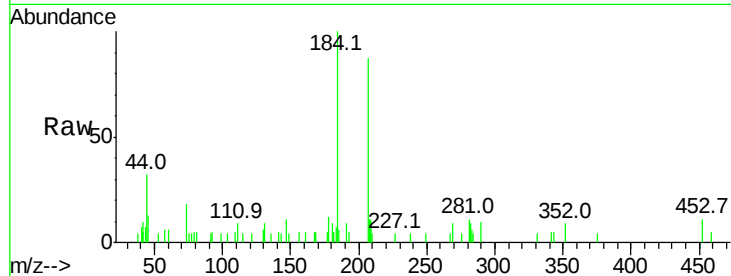
Tot Ion:184 Resp: 12001

Ion Ratio Lower Upper

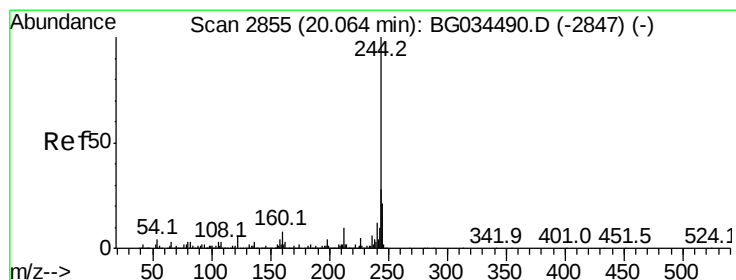
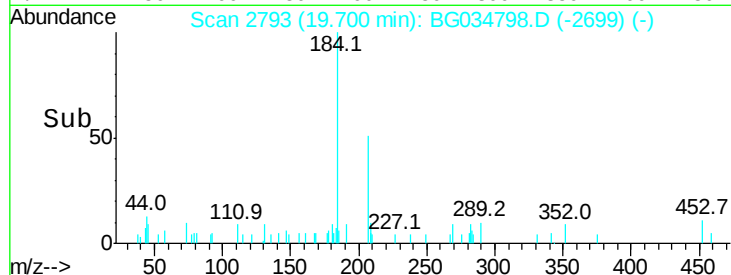
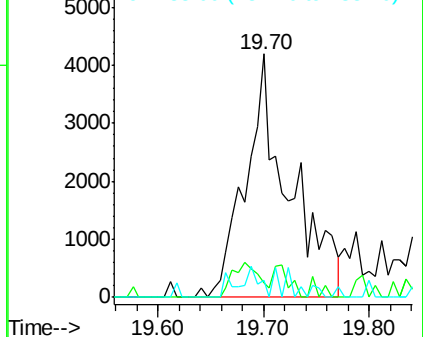
184 100

185 5.8 11.1 16.7#

183 7.1 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: 99.369 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG034798.D

Acq: 30 May 2018 5:13

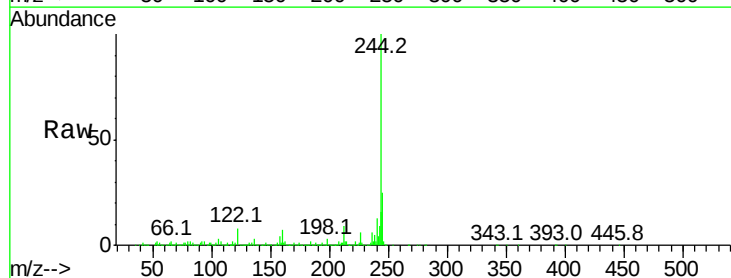
Tgt Ion:244 Resp: 3005274

Ion Ratio Lower Upper

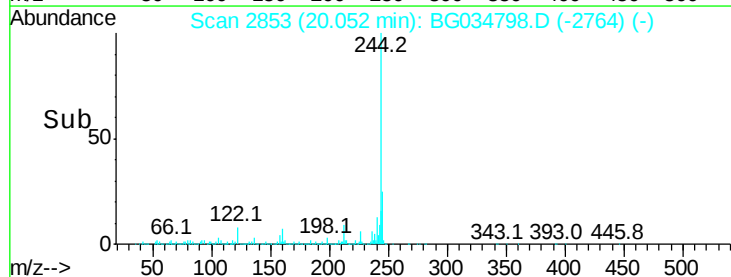
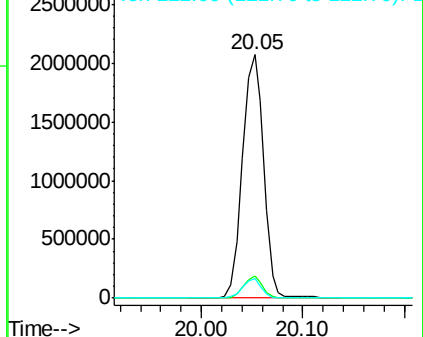
244 100

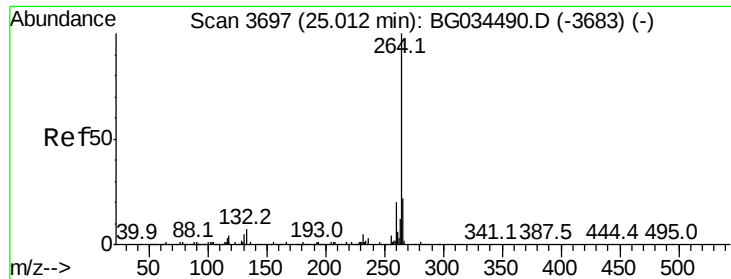
212 9.2 5.8 8.8#

122 8.0 7.0 10.4



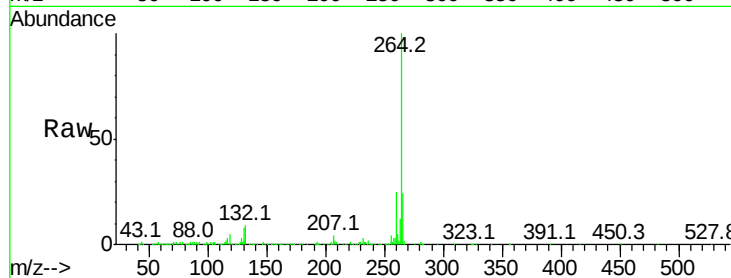
Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.98 min Scan# 3692
 Delta R.T. -0.02 min
 Lab File: BG034798.D
 Acq: 30 May 2018 5:13

Tot Ion:	264	Resp:	656444
Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.4	26.0
265	24.0	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

