

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034800.D
 Acq On : 30 May 2018 6:30
 Operator : SJ/JU
 Sample : J3178-18
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

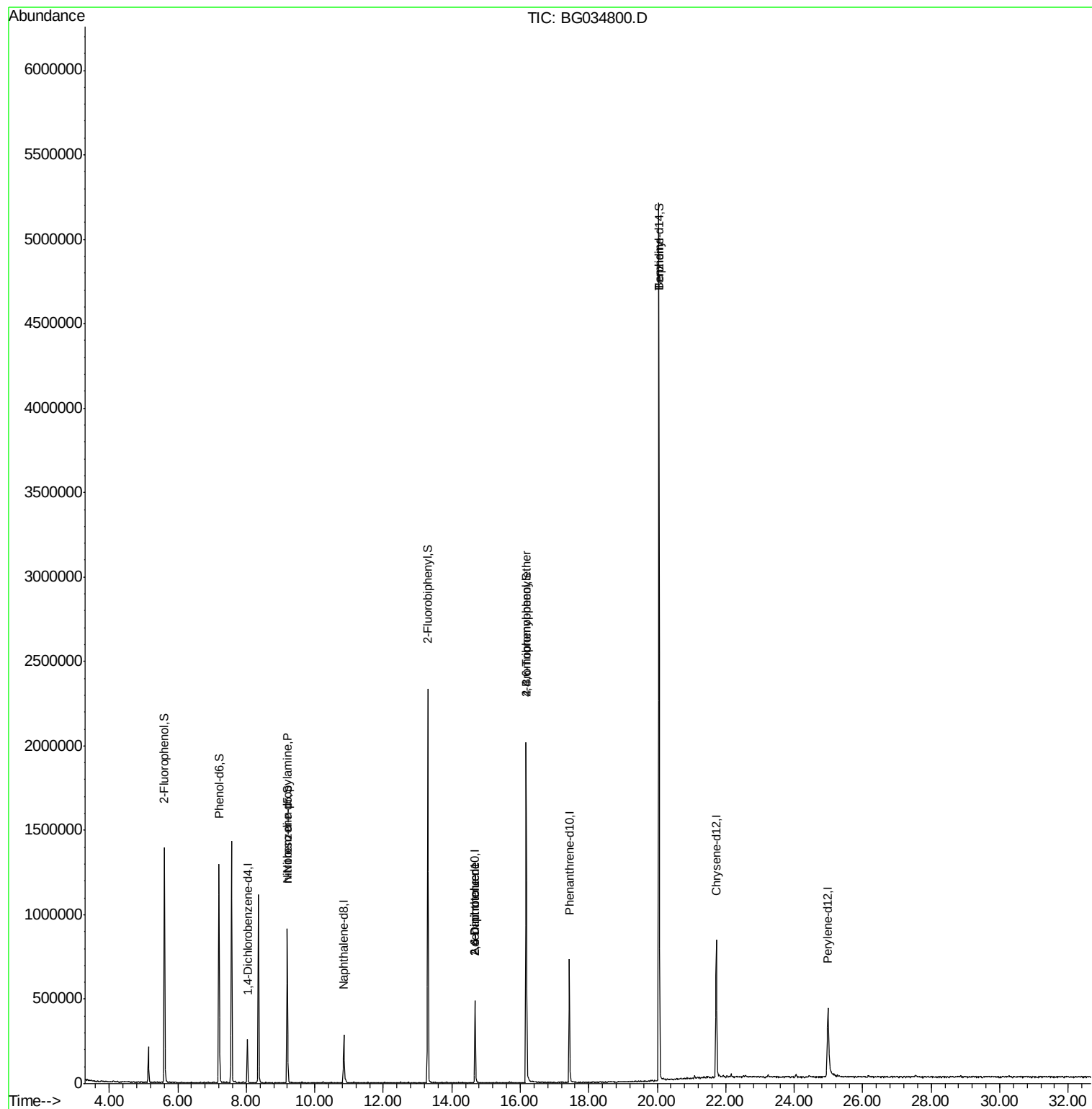
Quant Time: May 30 07:52:29 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

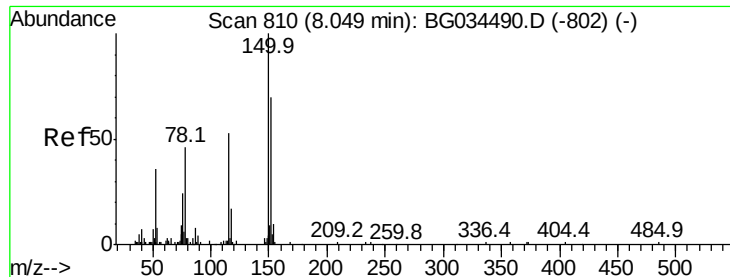
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	71200	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	259816	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	183961	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	495506	20.00	ng	0.00
75) Chrysene-d12	21.72	240	598651	20.00	ng	-0.01
86) Perylene-d12	24.99	264	596103	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	645566	139.65	ng	0.00
7) Phenol-d6	7.20	99	823089	110.07	ng	0.00
23) Nitrobenzene-d5	9.20	82	628824	92.46	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	456054	143.94	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	1309598	96.65	ng	0.00
78) Terphenyl-d14	20.05	244	2743168	100.49	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	84020	13.718	ng	# 60
50) 2,6-Dinitrotoluene	14.67	165	23126	7.102	ng	# 19
56) 2,4-Dinitrotoluene	14.67	165	23126	4.784	ng	# 17
66) 4-Bromophenyl-phenylether	16.18	248	34317	5.262	ng	# 1
76) Benzidine	20.05	184	38131	5.574	ng	# 88

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

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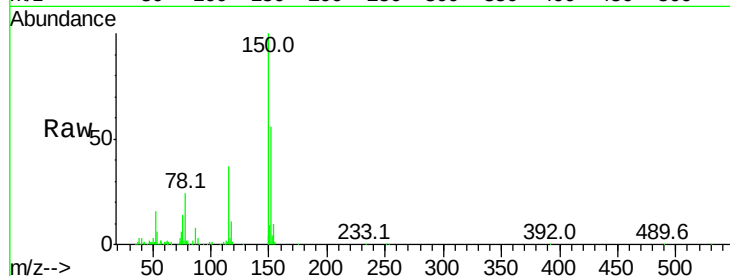




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 808
Delta R.T. -0.00 min
Lab File: BG034800.D
Acq: 30 May 2018 6:30

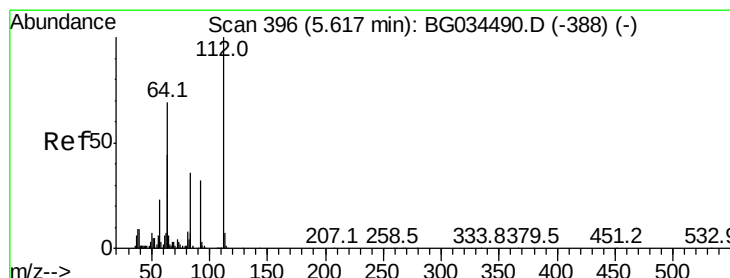
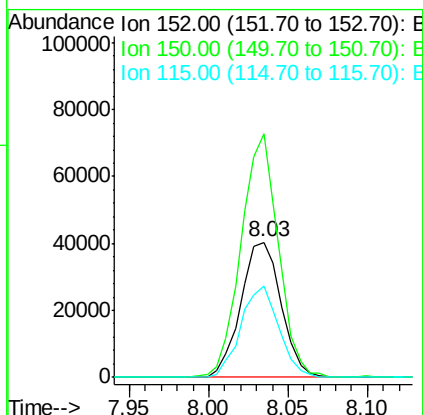
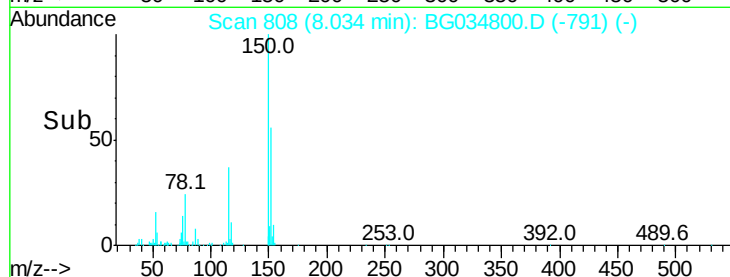
Tot Ion	Ratio	Lower	Upper
152	100		
150	180.0	126.6	189.8
115	67.4	53.0	79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

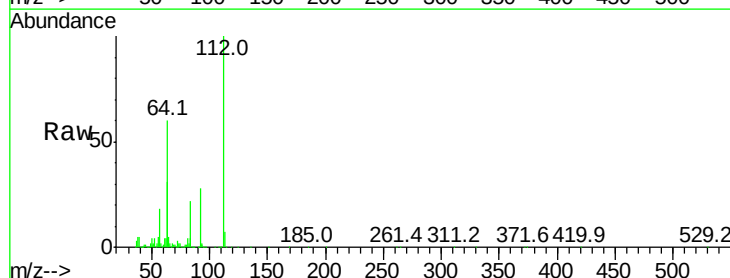
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 139.652 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.01 min
Lab File: BG034800.D
Acq: 30 May 2018 6:30

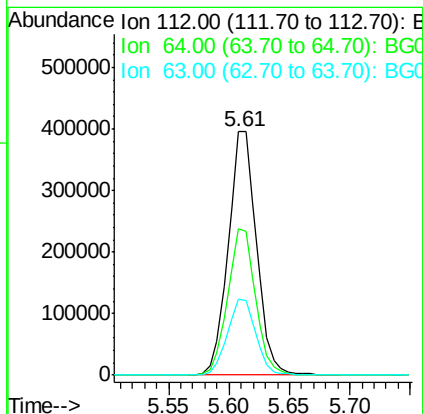
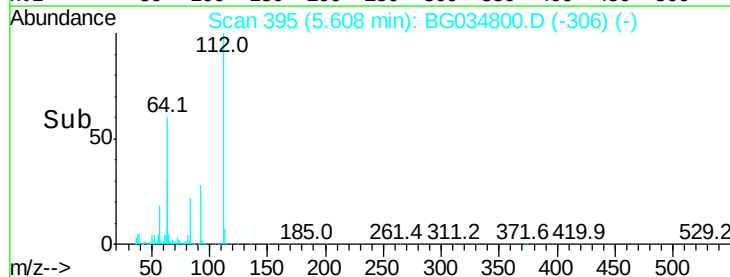
Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	56.3	84.5
63	31.1	30.1	45.1

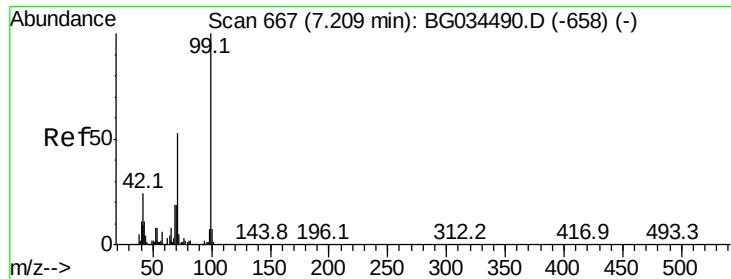


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 110.067 ng

RT: 7.20 min Scan# 666

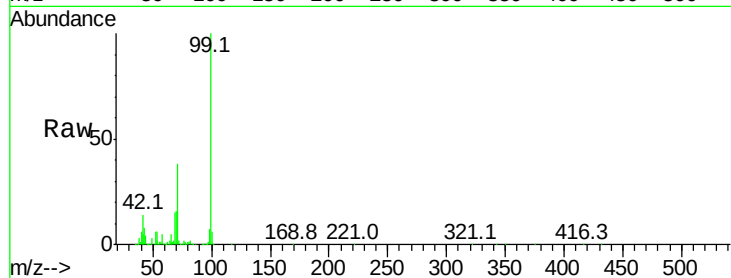
Delta R.T. -0.01 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

Tot Ion: 99 Resp: 823089

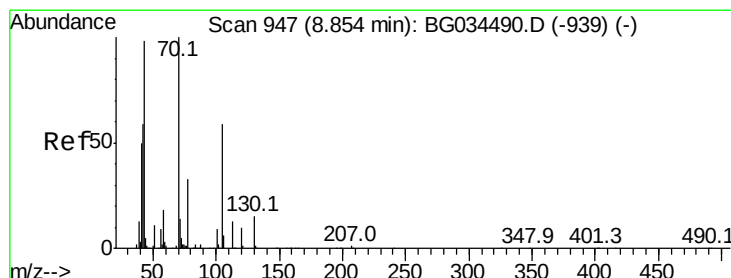
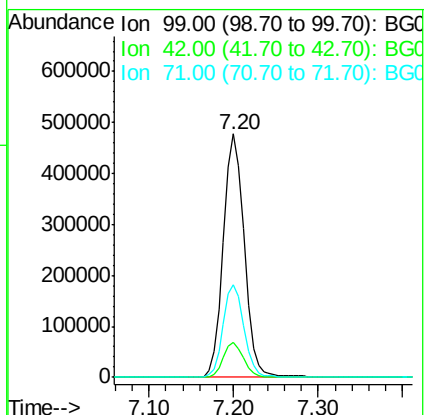
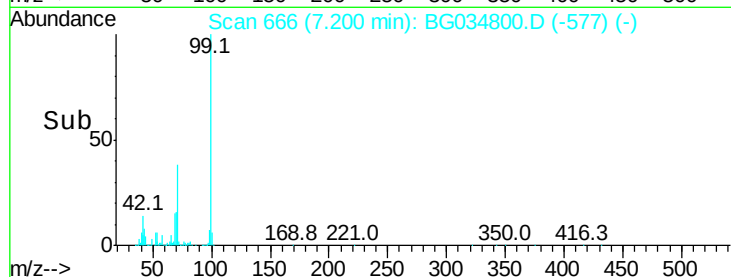
Ion	Ratio	Lower	Upper
99	100		
42	14.5	14.1	21.1
71	38.0	26.1	39.1



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: 13.718 ng

RT: 9.20 min Scan# 1006

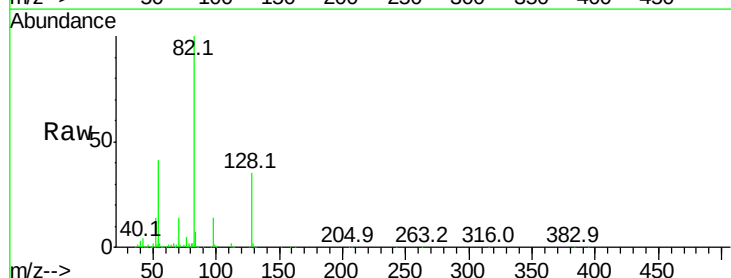
Delta R.T. 0.35 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

Tgt Ion: 70 Resp: 84020

Ion	Ratio	Lower	Upper
70	100		
42	28.0	49.1	73.7#
101	0.0	8.5	12.7#
130	1.0	13.4	20.0#

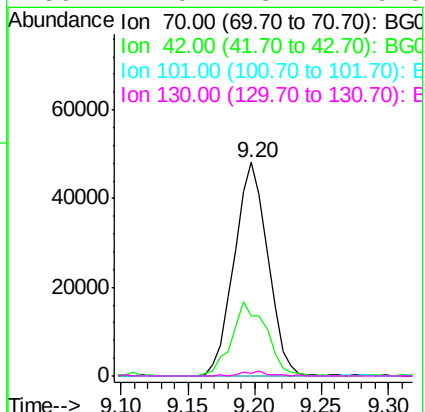
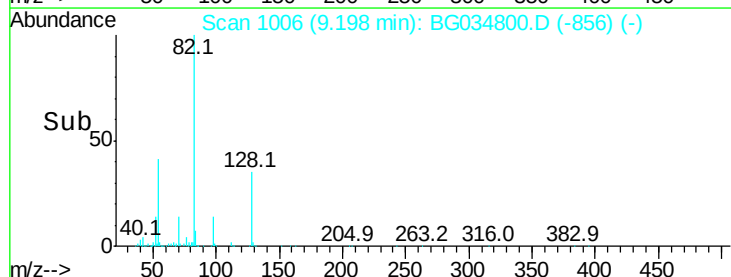


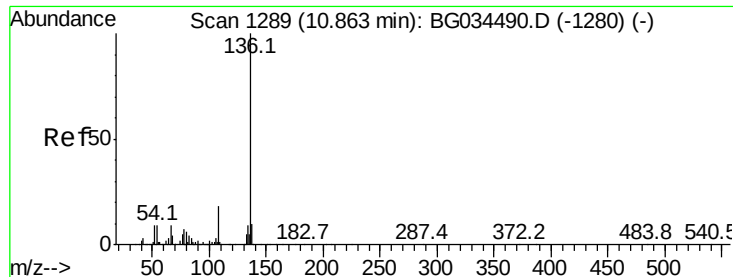
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

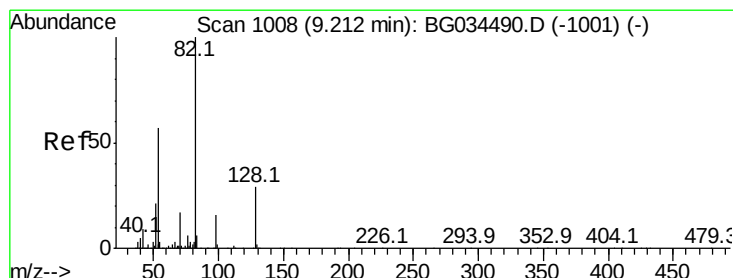
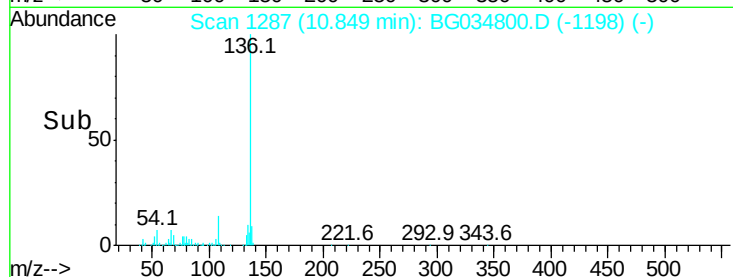
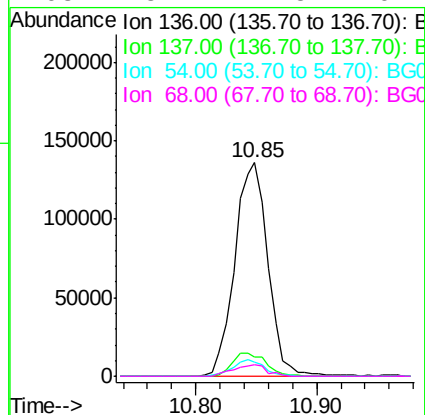
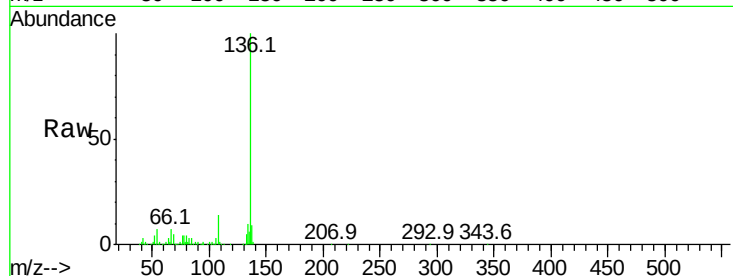
Ion 130.00 (129.70 to 130.70): BGC





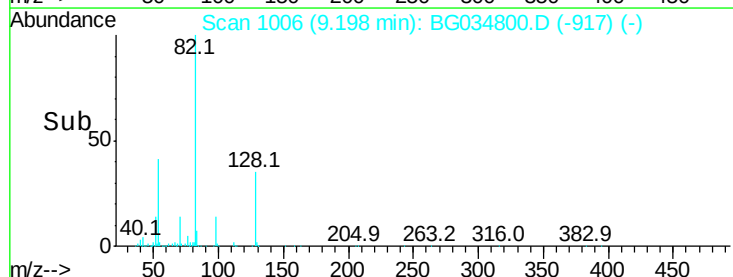
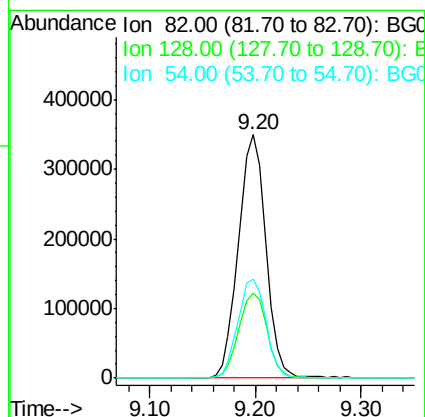
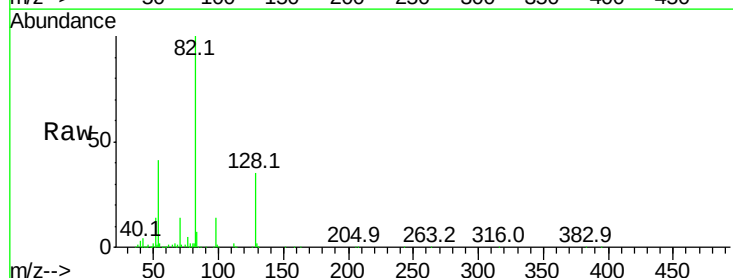
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG034800.D
Acq: 30 May 2018 6:30

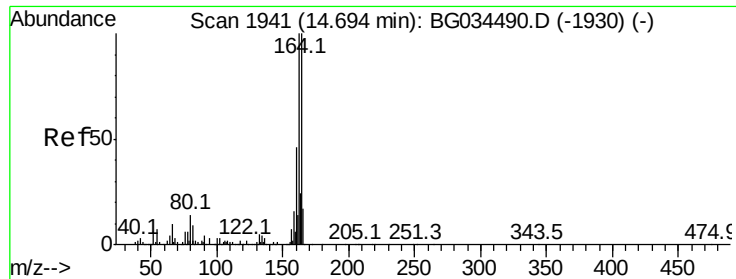
Tot Ion:136	Resp:	259816
Ion Ratio	Lower	Upper
136 100		
137 9.2	9.2	13.8#
54 6.8	10.3	15.5#
68 5.2	4.5	6.7



#23
Nitrobenzene-d5
Concen: 92.455 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG034800.D
Acq: 30 May 2018 6:30

Tgt Ion: 82	Resp:	628824
Ion Ratio	Lower	Upper
82 100		
128 35.1	29.7	44.5
54 40.9	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

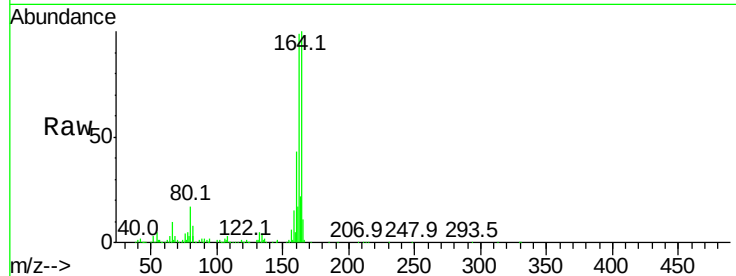
Tot Ion:164 Resp: 183961

Ion Ratio Lower Upper

164 100

162 98.6 78.8 118.2

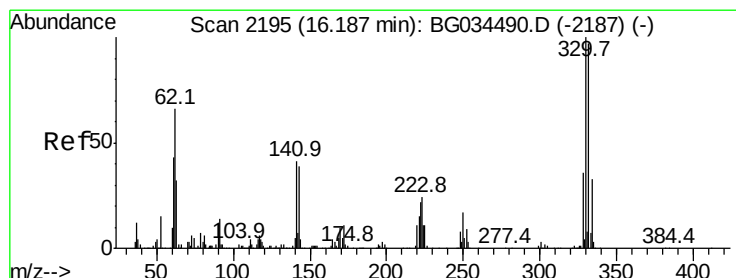
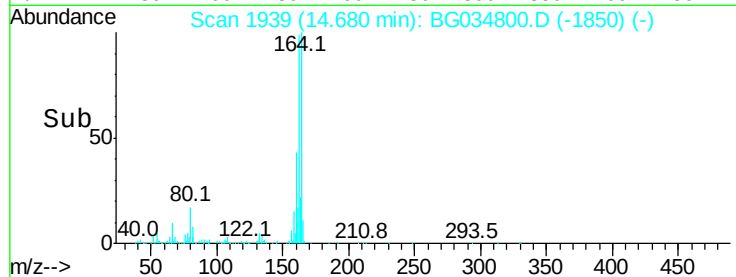
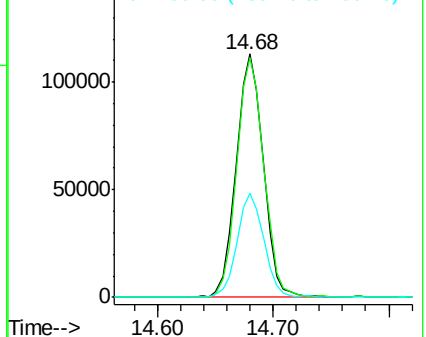
160 42.8 35.4 53.0



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: 143.943 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

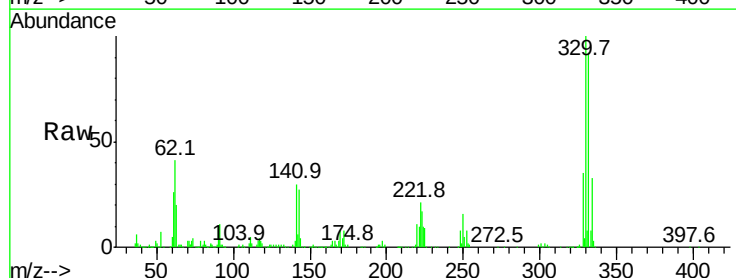
Tgt Ion:330 Resp: 456054

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

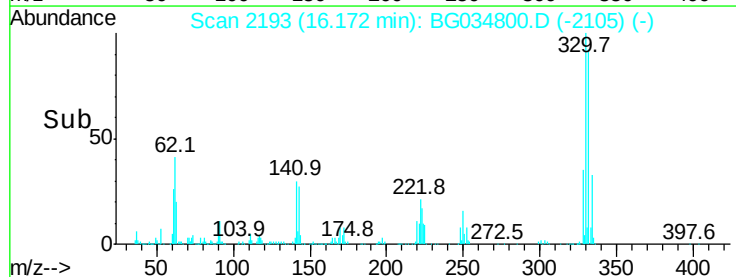
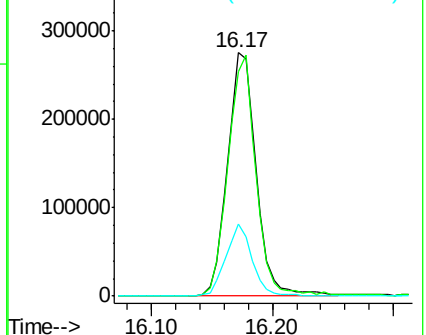
141 26.9 25.2 37.8

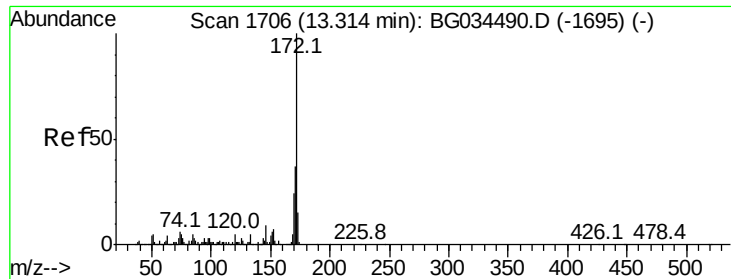


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

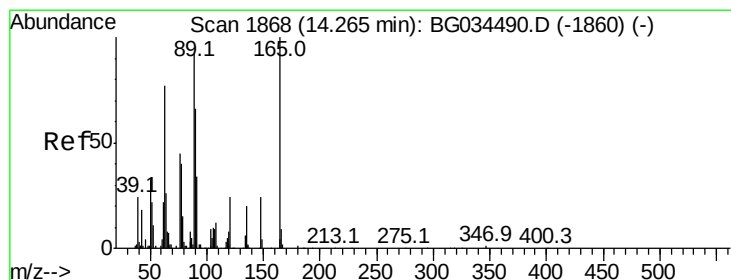
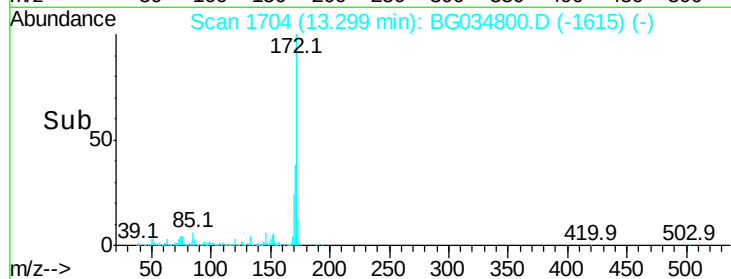
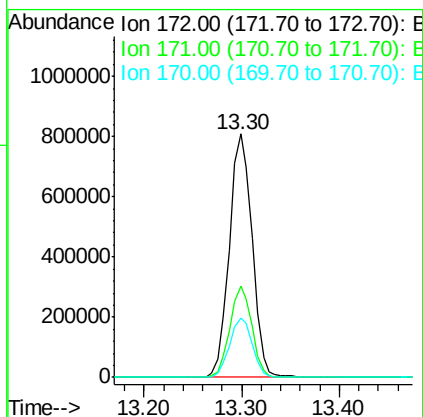
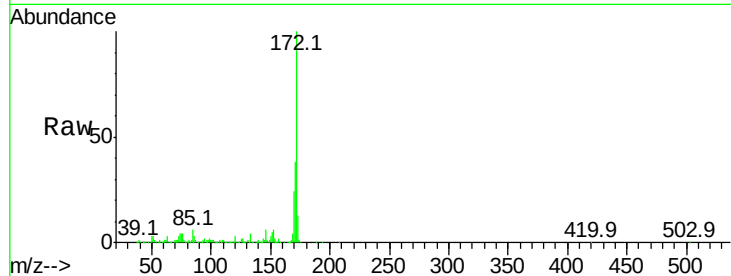




#44
 2-Fluorobiphenyl
 Concen: 96.648 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG034800.D
 Acq: 30 May 2018 6:30

Tot Ion:172 Resp: 1309598

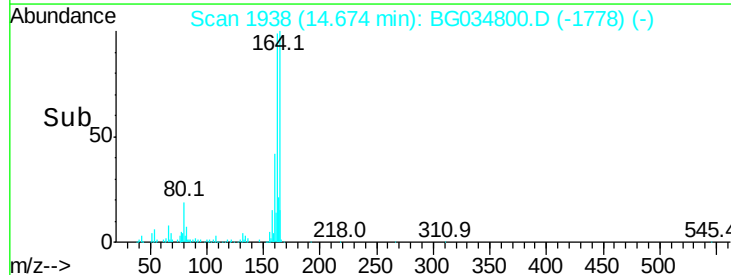
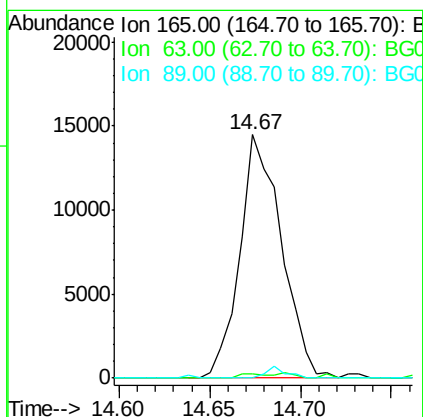
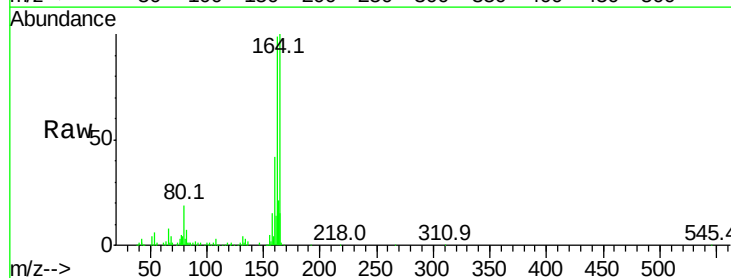
Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	24.2	19.5	29.3

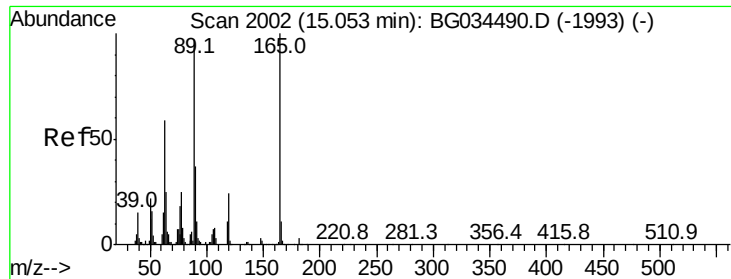


#50
 2,6-Dinitrotoluene
 Concen: 7.102 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.41 min
 Lab File: BG034800.D
 Acq: 30 May 2018 6:30

Tgt Ion:165 Resp: 23126

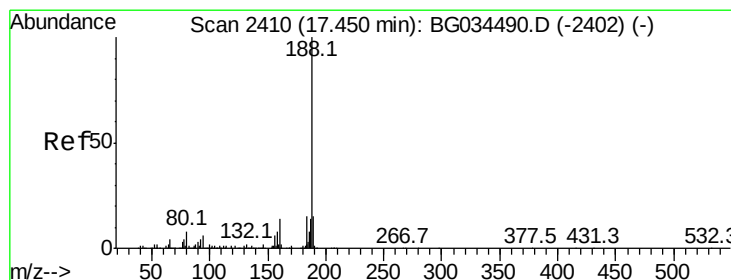
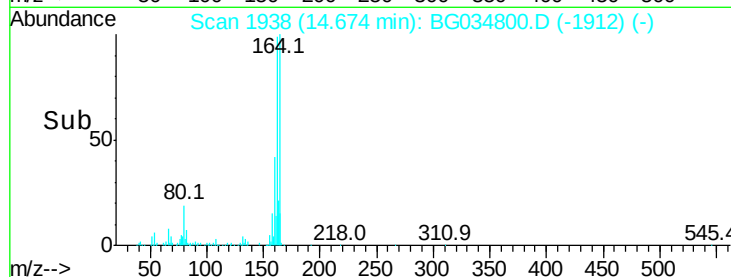
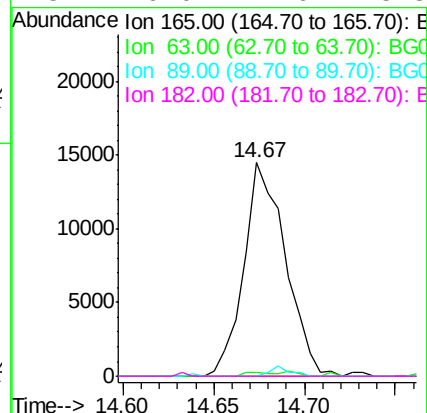
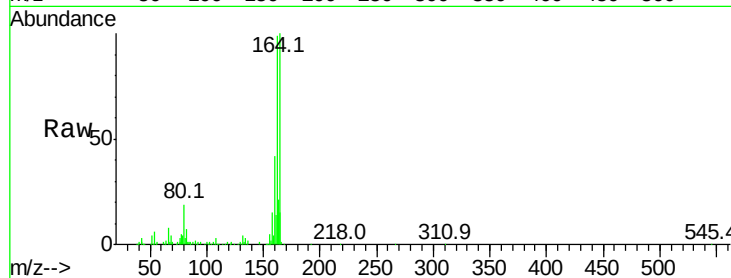
Ion	Ratio	Lower	Upper
165	100		
63	1.5	52.7	79.1#
89	0.0	49.2	73.8#





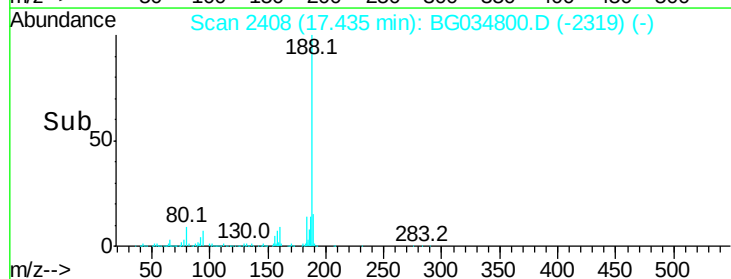
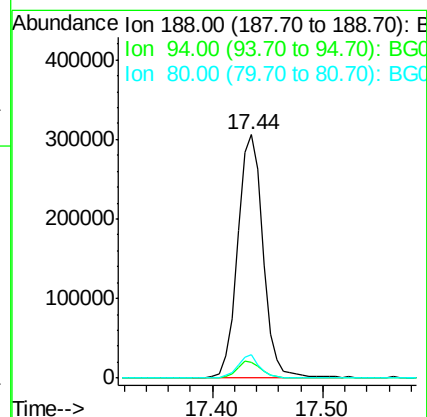
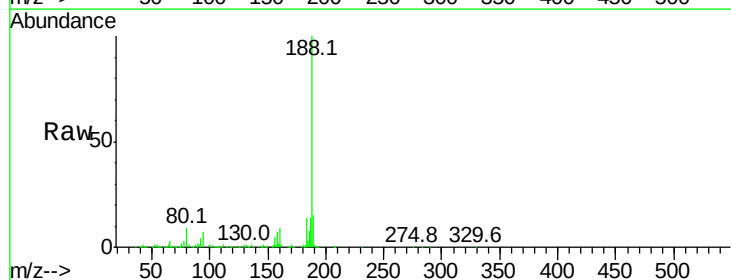
#56
 2,4-Dinitrotoluene
 Concen: 4.784 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.38 min
 Lab File: BG034800.D
 Acq: 30 May 2018 6:30

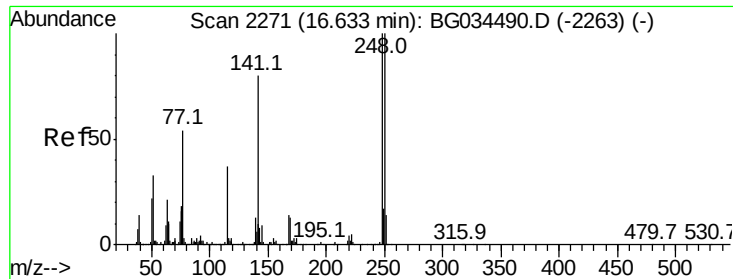
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2408
 Delta R.T. -0.01 min
 Lab File: BG034800.D
 Acq: 30 May 2018 6:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	6.9	10.3#
80	9.5	7.7	11.5





#66

4-Bromophenyl-phenylether

Concen: 5.262 ng

RT: 16.18 min Scan# 2194

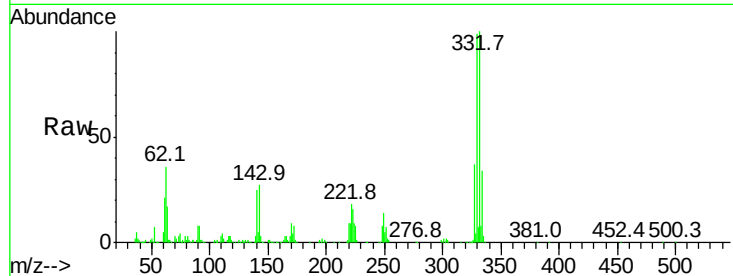
Delta R.T. -0.45 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

Tot Ion:248 Resp: 34317

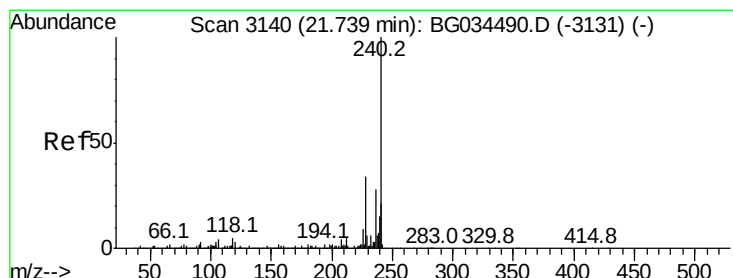
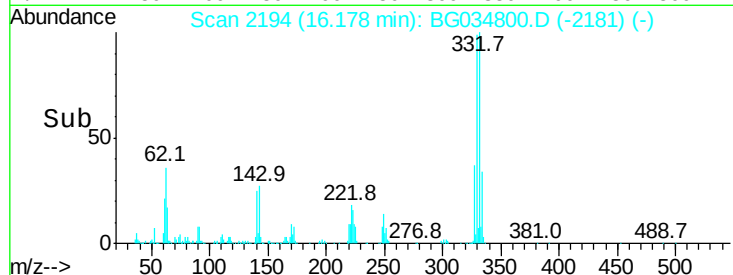
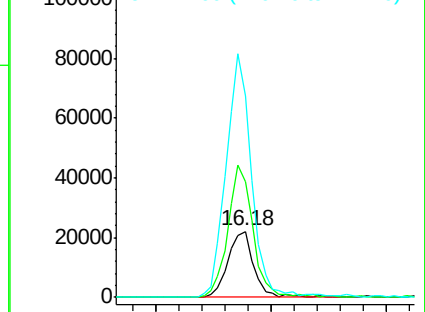
Ion	Ratio	Lower	Upper
248	100		
250	173.9	77.1	115.7#
141	304.4	50.8	76.2#



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# 3138

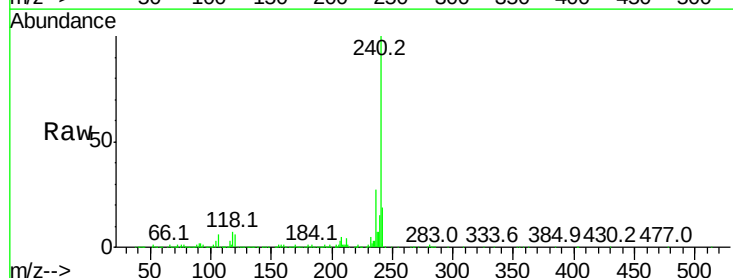
Delta R.T. -0.01 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

Tgt Ion:240 Resp: 598651

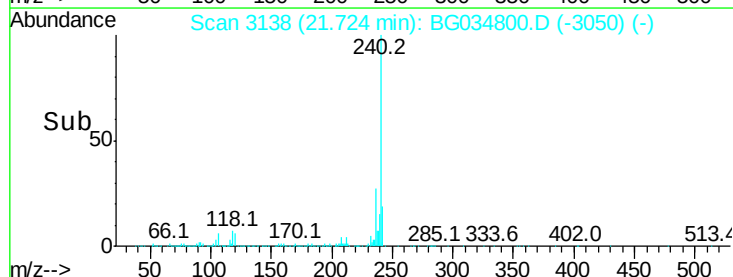
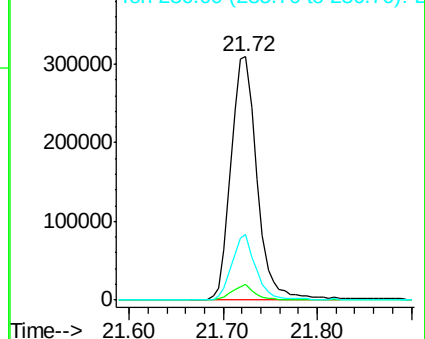
Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.8	10.2#
236	26.9	20.9	31.3

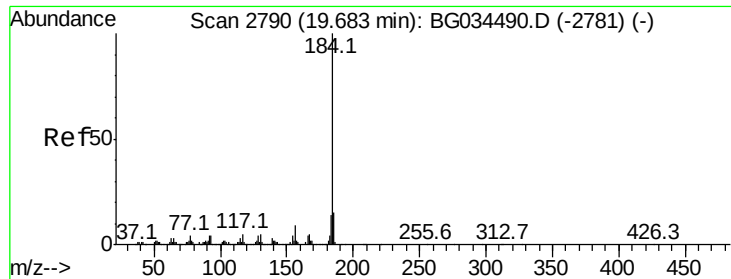


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 5.574 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.37 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

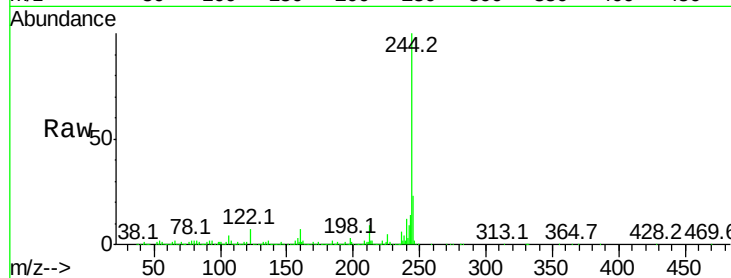
Tot Ion:184 Resp: 38131

Ion Ratio Lower Upper

184 100

185 12.5 11.1 16.7

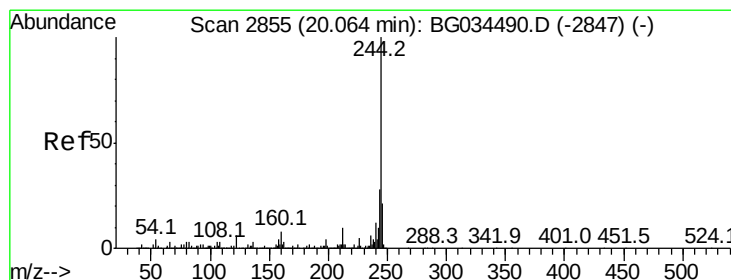
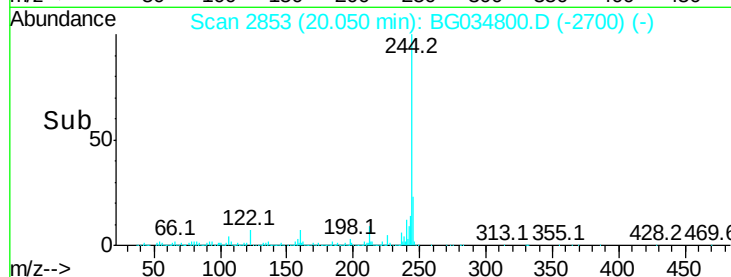
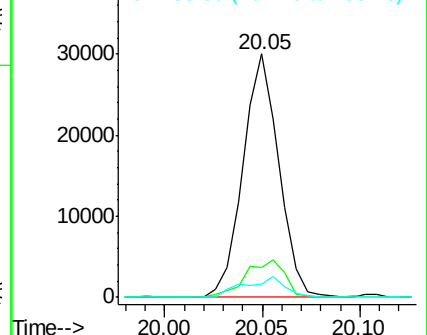
183 5.2 10.6 16.0#



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: 100.487 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

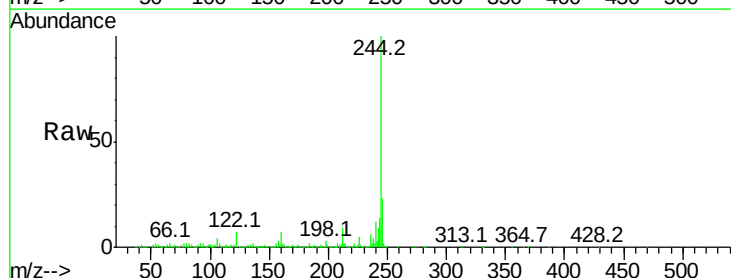
Tgt Ion:244 Resp: 2743168

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

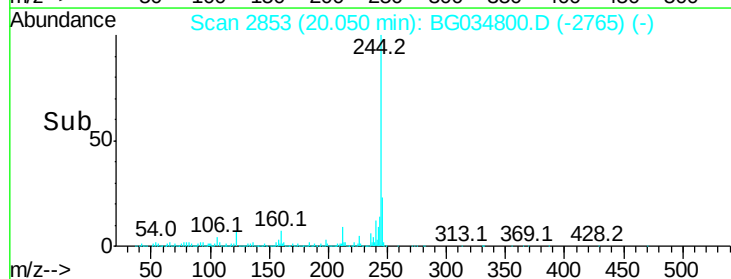
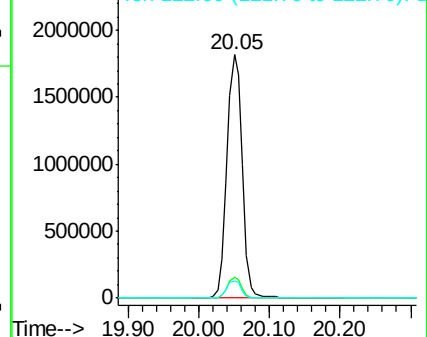
122 7.1 7.0 10.4

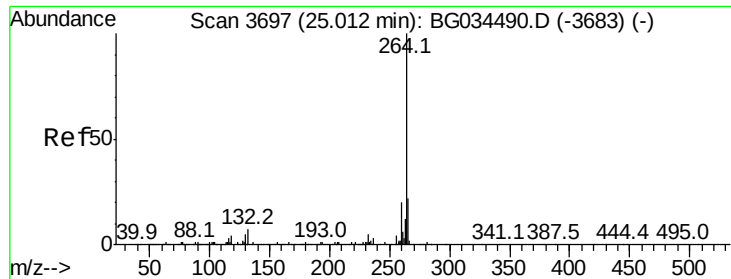


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

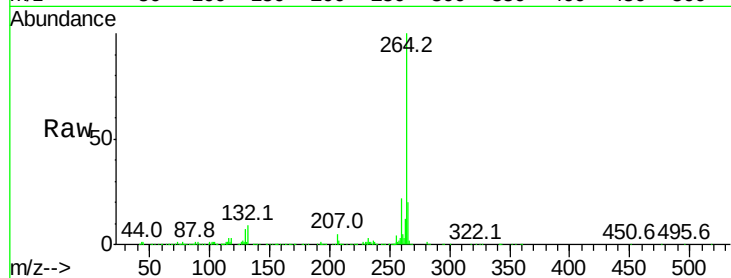
Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.99 min Scan# 3693
Delta R.T. -0.02 min
Lab File: BG034800.D
Acq: 30 May 2018 6:30

Tot Ion:	264	Resp:	596103
Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.4	26.0
265	19.5	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

