

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034784.D
 Acq On : 29 May 2018 19:36
 Operator : SJ/JU
 Sample : PB109727TB
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

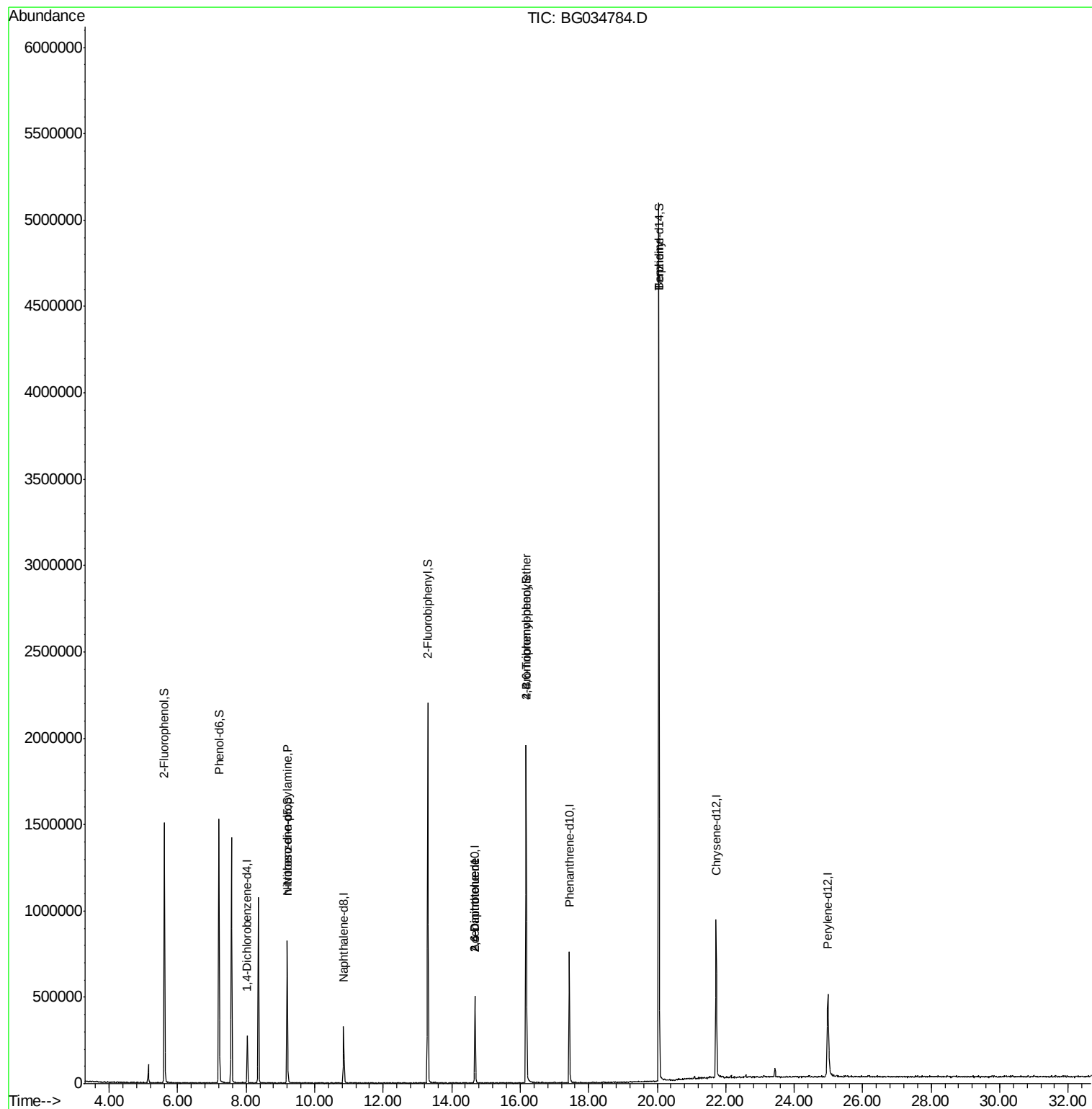
Quant Time: May 30 04:19:26 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

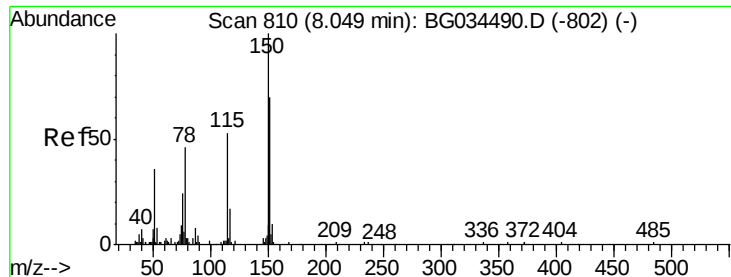
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	72821	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	284785	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	192670	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	515940	20.00	ng	0.00
75) Chrysene-d12	21.72	240	634348	20.00	ng	-0.02
86) Perylene-d12	24.98	264	644309	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	697743	147.58	ng	0.00
7) Phenol-d6	7.20	99	963075	125.92	ng	0.00
23) Nitrobenzene-d5	9.20	82	579587	77.74	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	444126	133.84	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1250761	88.13	ng	0.00
78) Terphenyl-d14	20.05	244	2564693	88.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	77555	12.38	ng	# 71
50) 2,6-Dinitrotoluene	14.68	165	26874	7.88	ng	# 19
56) 2,4-Dinitrotoluene	14.68	165	26874	5.31	ng	# 17
66) 4-Bromophenyl-phenylether	16.17	248	33229	4.89	ng	# 1
76) Benzidine	20.05	184	36968	5.39	ng	# 95

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

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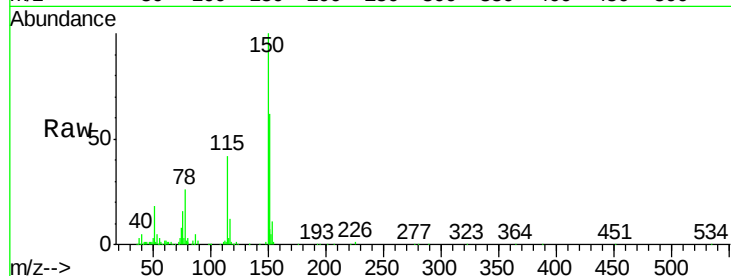




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.00 min
Lab File: BG034784.D
Acq: 29 May 2018 19:36

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	126.6	189.8
115	67.0	53.0	79.4

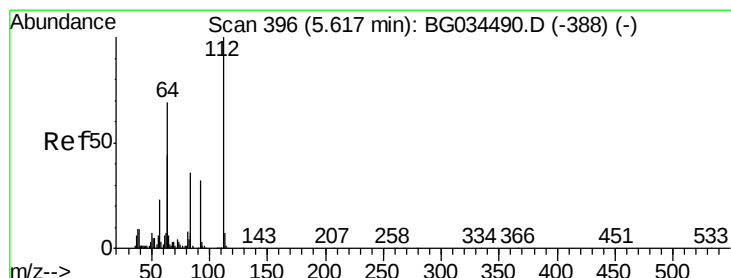
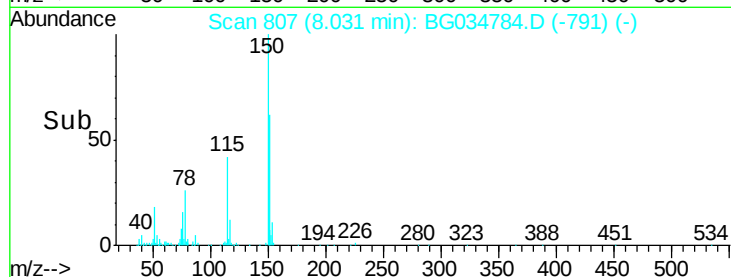
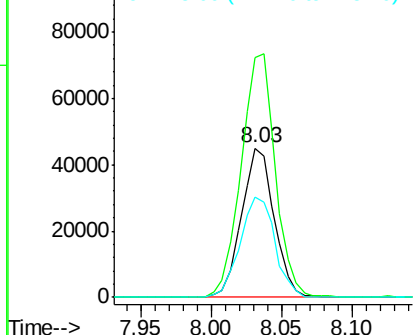


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

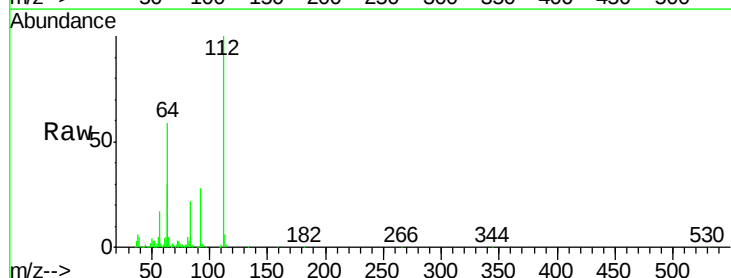
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 147.58 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG034784.D
Acq: 29 May 2018 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	56.3	84.5
63	29.8	30.1	45.1

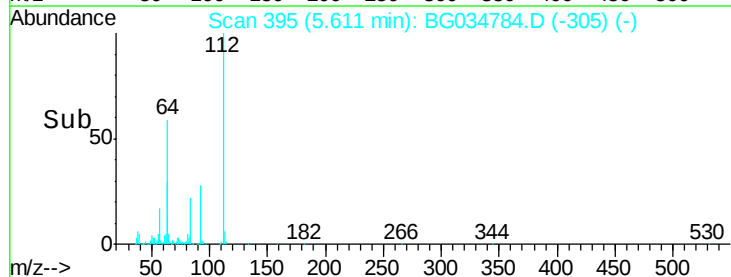
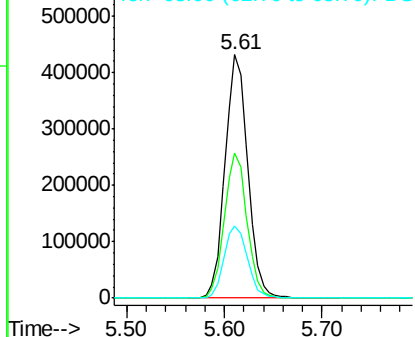


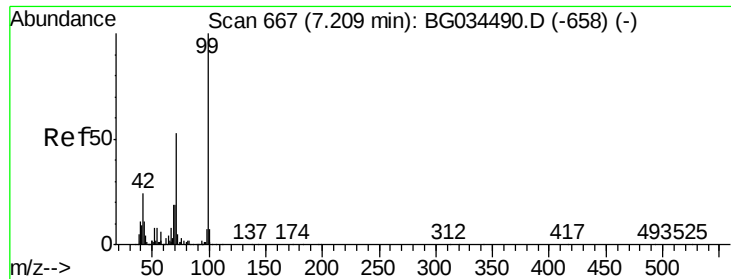
Abundance

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: 125.92 ng

RT: 7.20 min Scan# 666

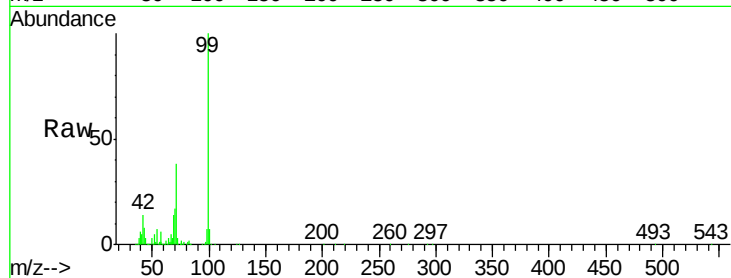
Delta R.T. -0.00 min

Lab File: BG034784.D

Acq: 29 May 2018 19:36

Tot Ion: 99 Resp: 963075

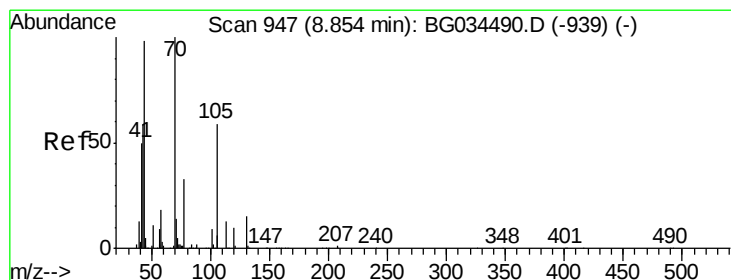
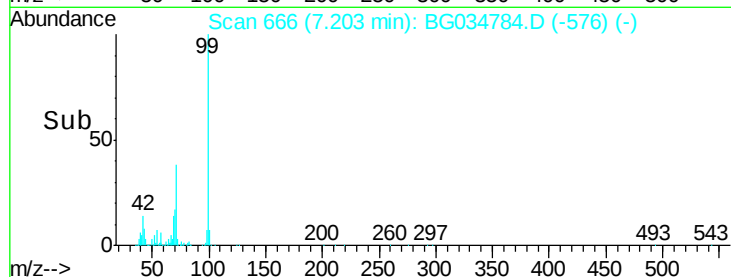
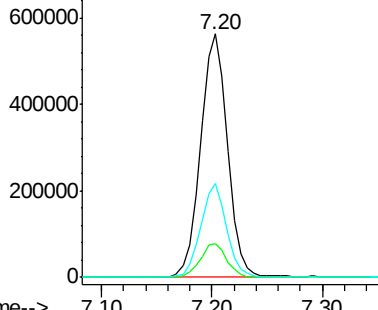
Ion	Ratio	Lower	Upper
99	100		
42	14.1	14.1	21.1
71	38.4	26.1	39.1



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: 12.38 ng

RT: 9.20 min Scan# 1006

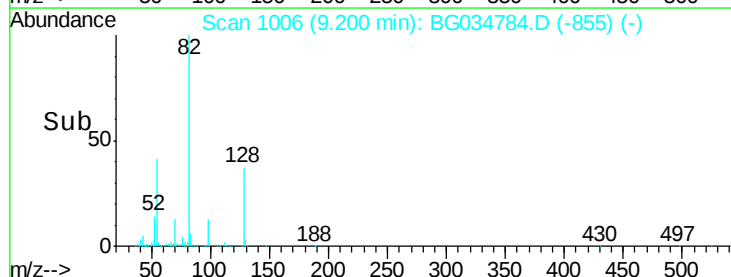
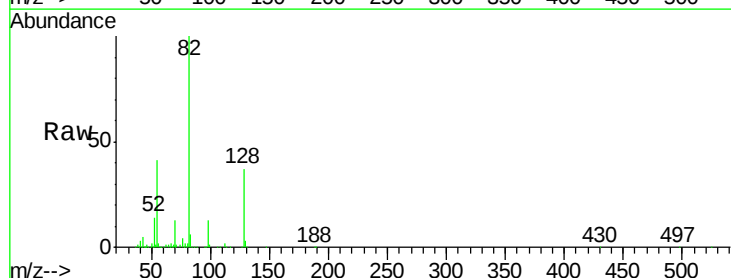
Delta R.T. 0.35 min

Lab File: BG034784.D

Acq: 29 May 2018 19:36

Tgt Ion: 70 Resp: 77555

Ion	Ratio	Lower	Upper
70	100		
42	40.4	49.1	73.7#
101	0.0	8.5	12.7#
130	1.5	13.4	20.0#

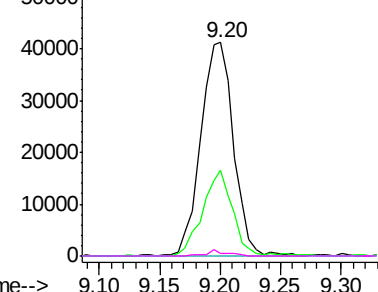


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 20.00 ng

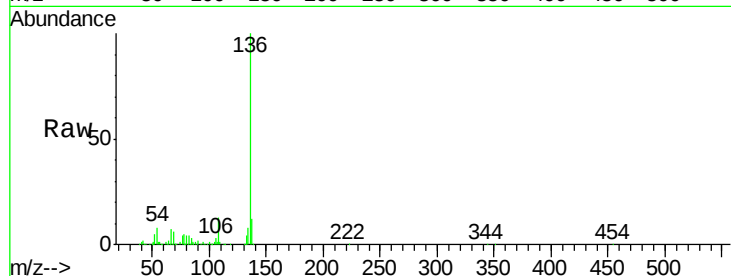
RT: 10.85 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG034784.D

Acq: 29 May 2018 19:36

Tot Ion:136	Resp:	284785	
Ion Ratio	Lower	Upper	
136 100			
137 11.7	9.2	13.8	
54 7.8	10.3	15.5#	
68 6.3	4.5	6.7	

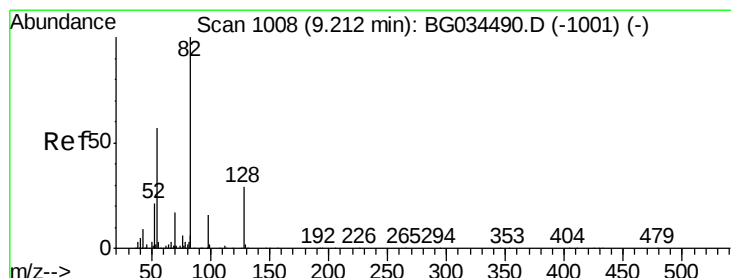
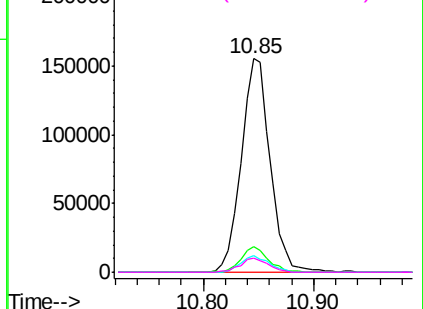
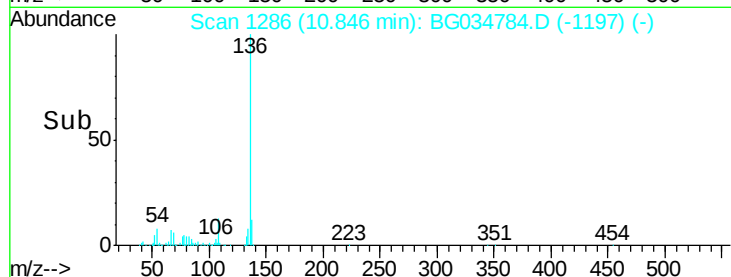


Abundance Ion 136.00 (135.70 to 136.70): B

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: 77.74 ng

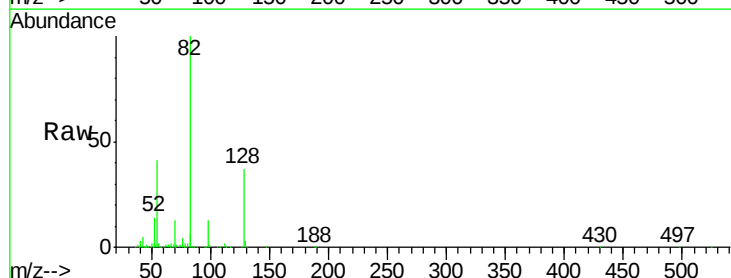
RT: 9.20 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BG034784.D

Acq: 29 May 2018 19:36

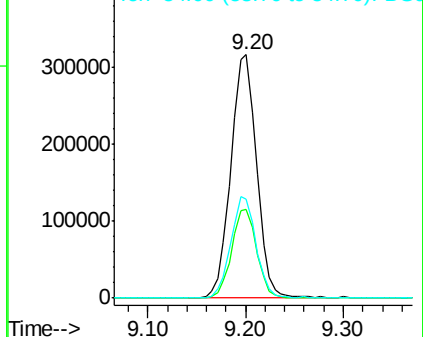
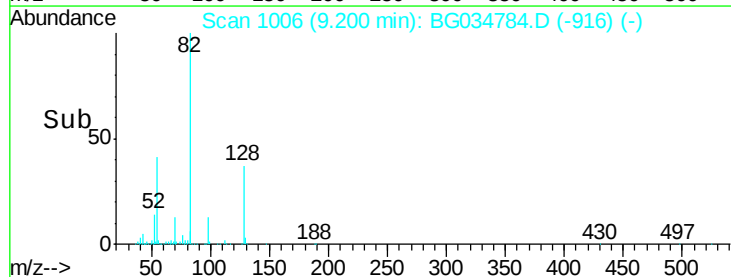
Tgt	Ion: 82	Resp:	579587
Ion	Ratio	Lower	Upper
82	100		
128	36.6	29.7	44.5
54	40.7	43.1	64.7#

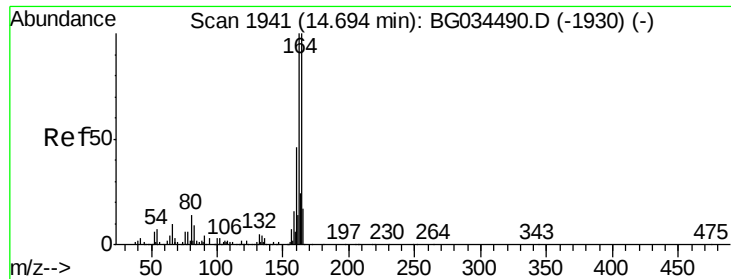


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG034784.D

Acq: 29 May 2018 19:36

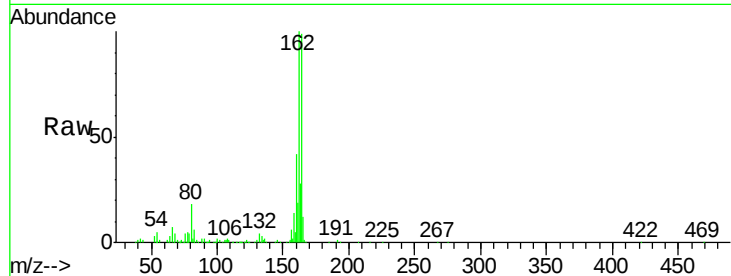
Tot Ion:164 Resp: 192670

Ion Ratio Lower Upper

164 100

162 101.1 78.8 118.2

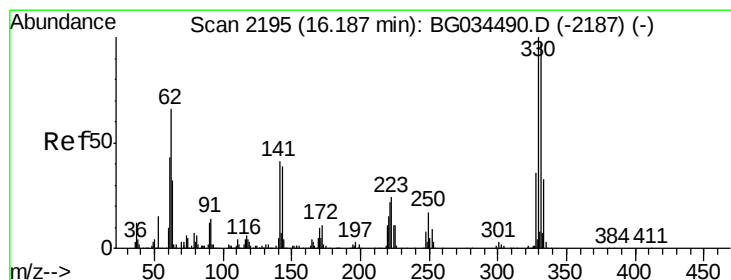
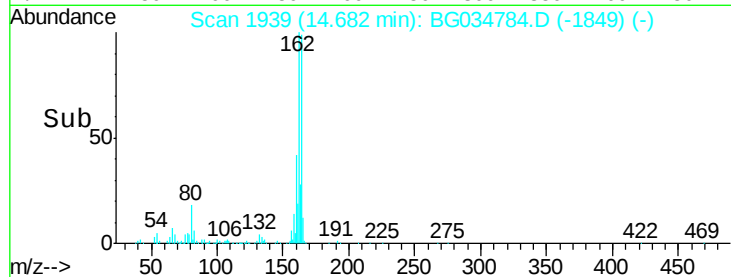
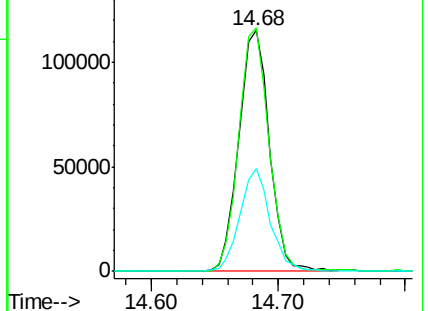
160 42.7 35.4 53.0



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: 133.84 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG034784.D

Acq: 29 May 2018 19:36

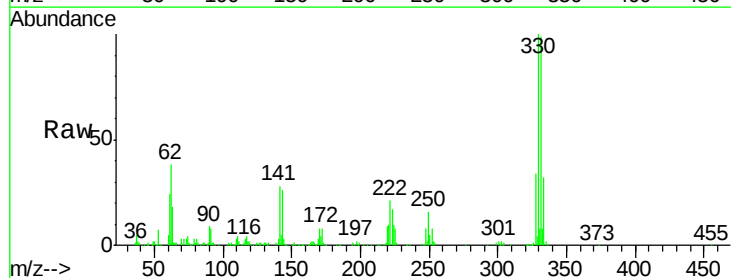
Tgt Ion:330 Resp: 444126

Ion Ratio Lower Upper

330 100

332 98.6 77.0 115.6

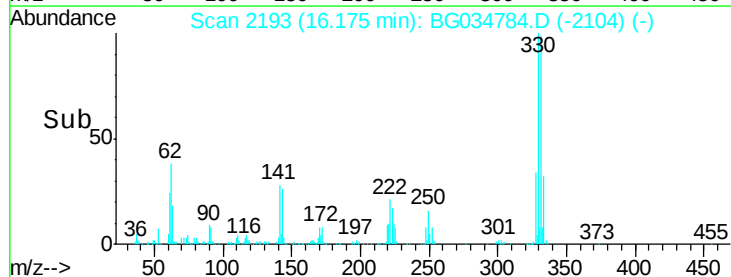
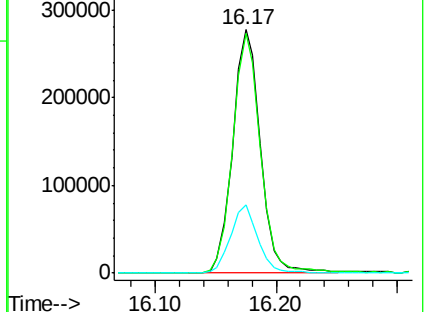
141 27.5 25.2 37.8

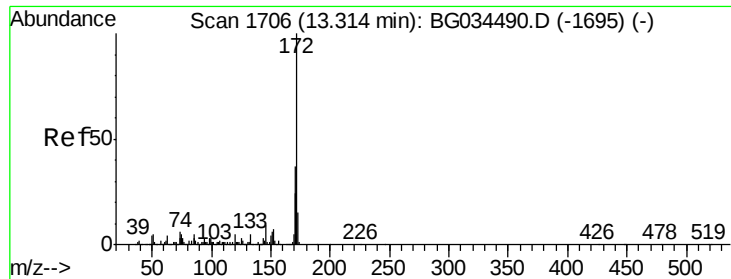


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

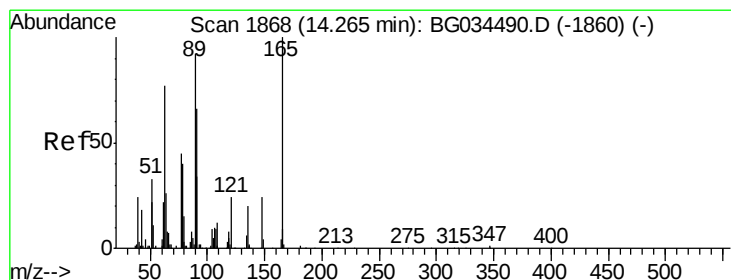
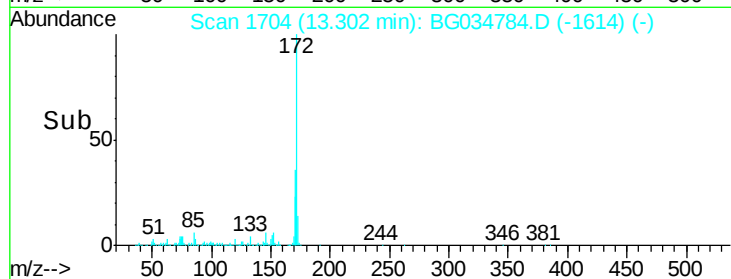
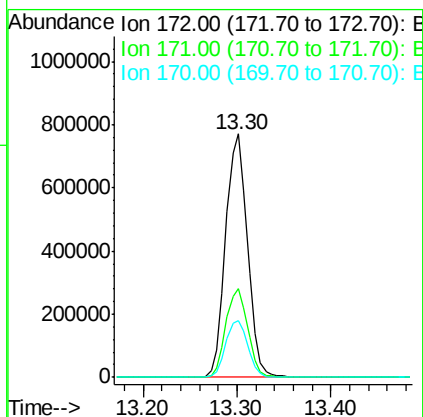
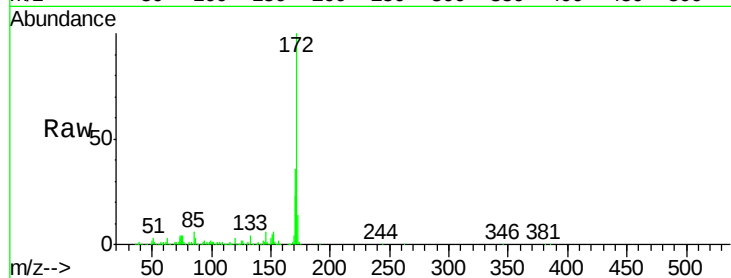




#44
2-Fluorobiphenyl
Concen: 88.13 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.00 min
Lab File: BG034784.D
Acq: 29 May 2018 19:36

Tot Ion:172 Resp: 1250761

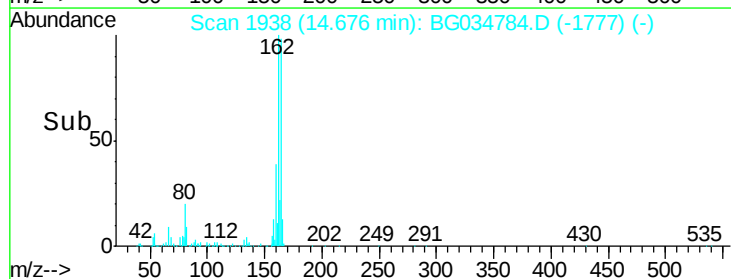
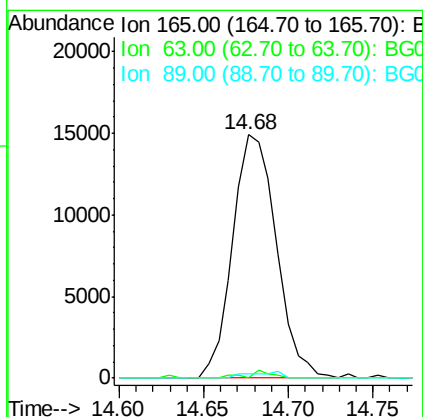
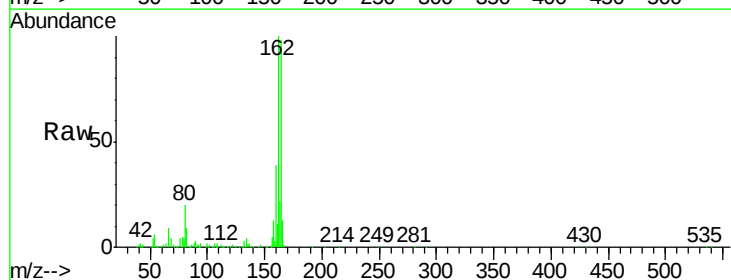
Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.0	45.0
170	23.2	19.5	29.3

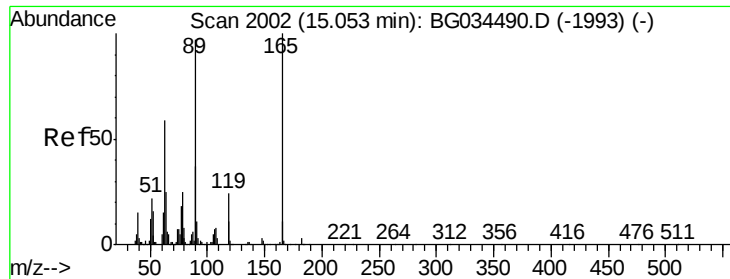


#50
2,6-Dinitrotoluene
Concen: 7.88 ng
RT: 14.68 min Scan# 1938
Delta R.T. 0.41 min
Lab File: BG034784.D
Acq: 29 May 2018 19:36

Tgt Ion:165 Resp: 26874

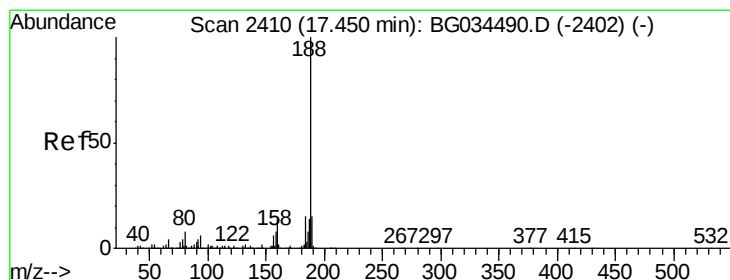
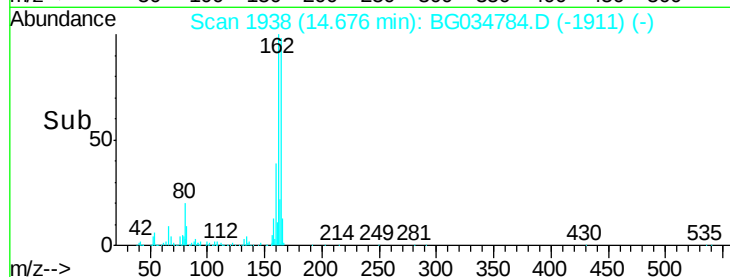
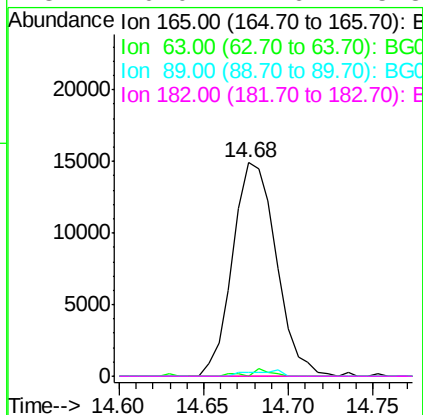
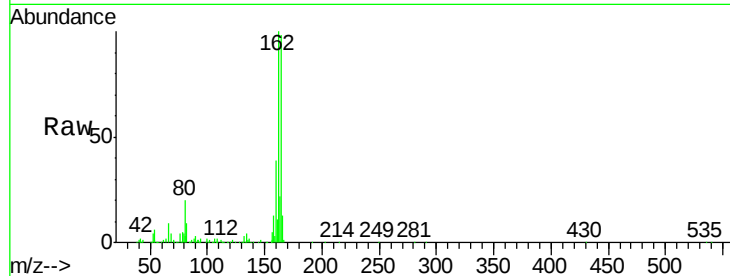
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.7	49.2	73.8#





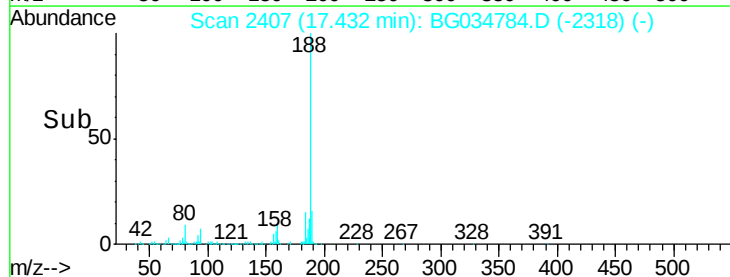
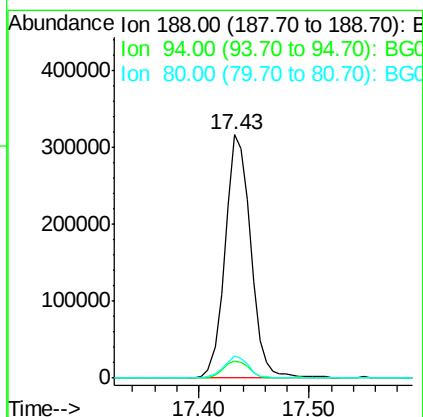
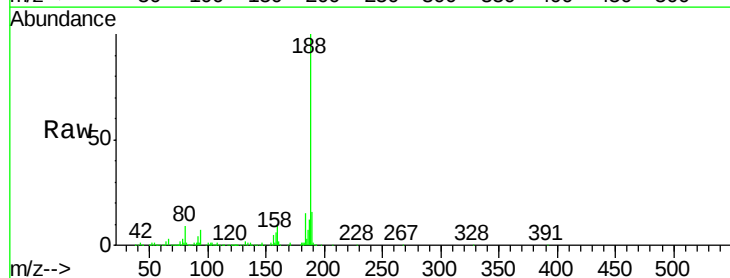
#56
 2,4-Dinitrotoluene
 Concen: 5.31 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. -0.37 min
 Lab File: BG034784.D
 Acq: 29 May 2018 19:36

Tot Ion:165 Resp: 26874
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 1.7 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG034784.D
 Acq: 29 May 2018 19:36

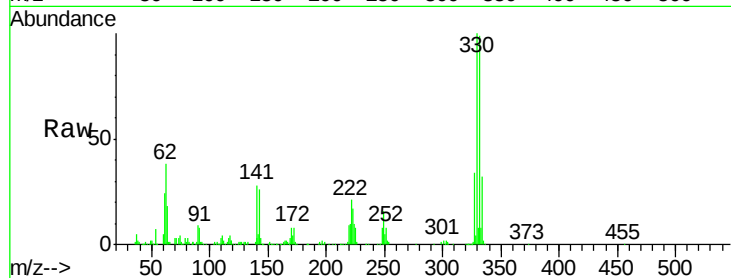
Tgt Ion:188 Resp: 515940
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 9.4 7.7 11.5





#66
4-Bromophenyl-phenylether
Concen: 4.89 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG034784.D
Acq: 29 May 2018 19:36

Tot Ion	Ratio	Lower	Upper
248	100		
250	196.5	77.1	115.7#
141	353.2	50.8	76.2#

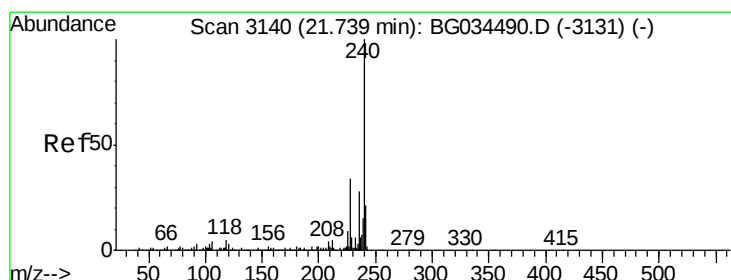
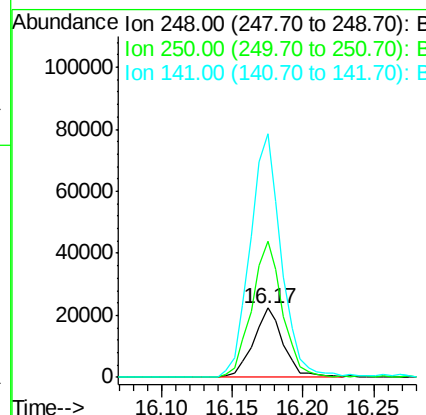
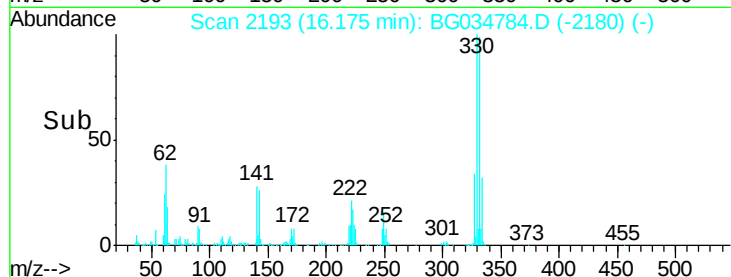


Abundance

Ion 248.00 (247.70 to 248.70): E

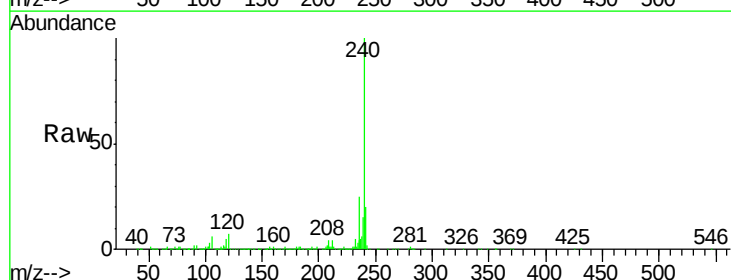
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.72 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG034784.D
Acq: 29 May 2018 19:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.8	10.2#
236	24.7	20.9	31.3

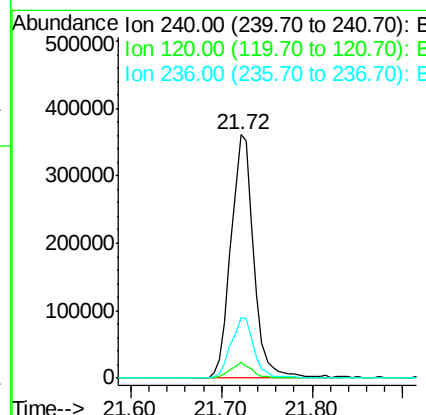
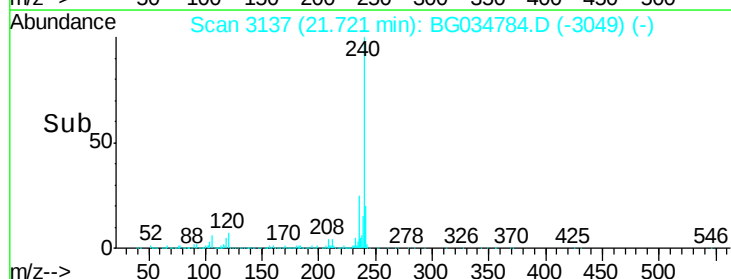


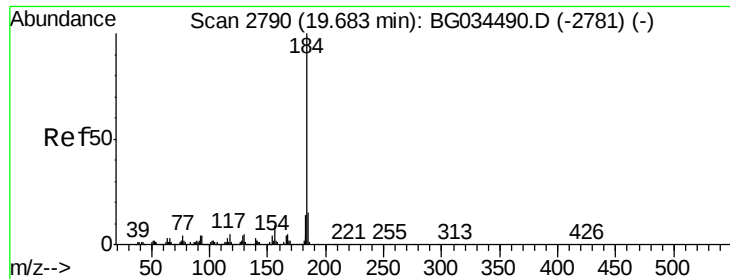
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

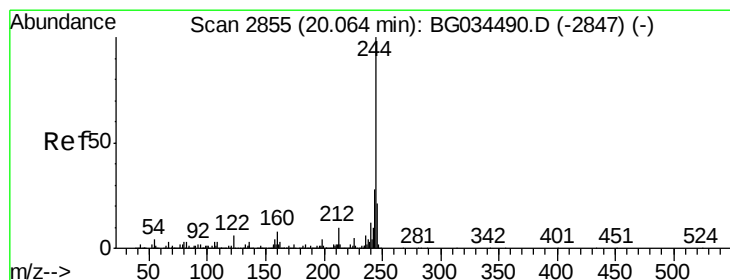
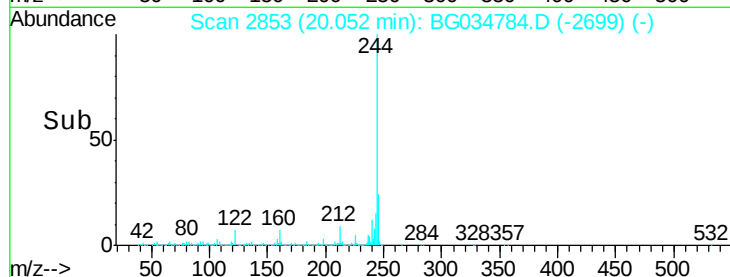
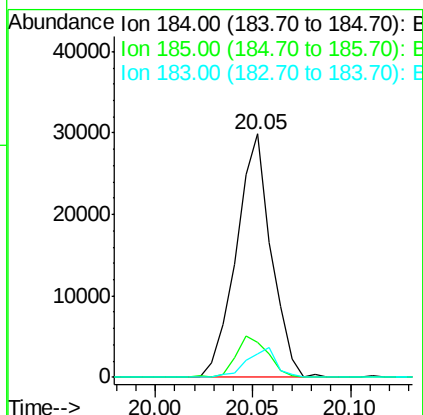
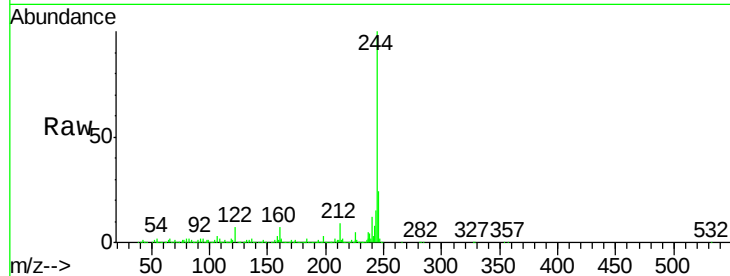
Ion 236.00 (235.70 to 236.70): E





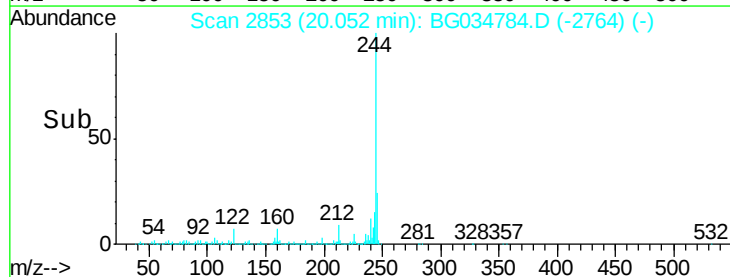
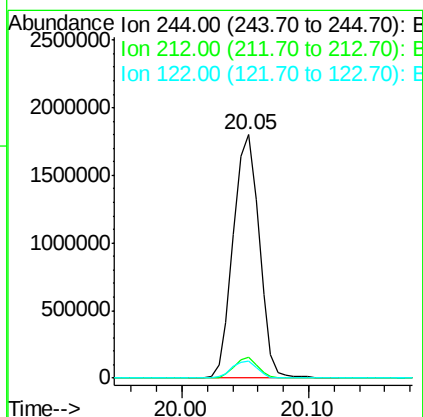
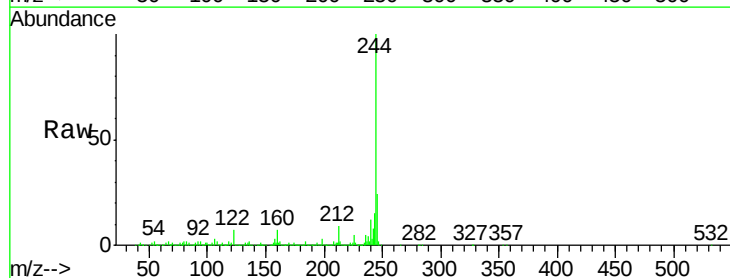
#76
Benzidine
Concen: 5.39 ng
RT: 20.05 min Scan# 2853
Delta R.T. 0.37 min
Lab File: BG034784.D
Acq: 29 May 2018 19:36

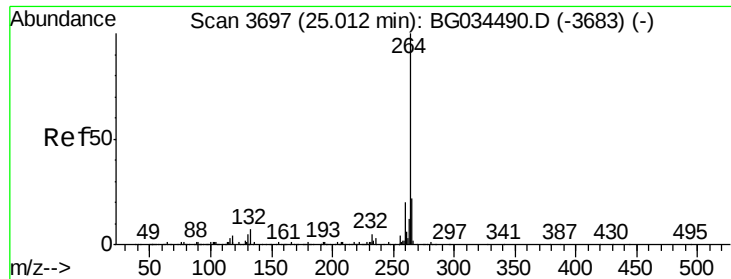
Tot Ion:184 Resp: 36968
Ion Ratio Lower Upper
184 100
185 14.3 11.1 16.7
183 9.7 10.6 16.0#



#78
Terphenyl-d14
Concen: 88.66 ng
RT: 20.05 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BG034784.D
Acq: 29 May 2018 19:36

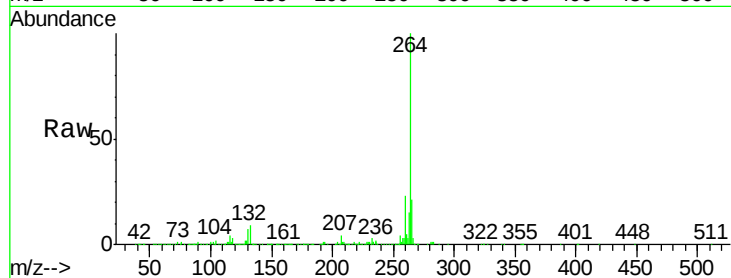
Tgt Ion:244 Resp: 2564693
Ion Ratio Lower Upper
244 100
212 8.6 5.8 8.8
122 7.1 7.0 10.4





#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.98 min Scan# 3692
Delta R.T. -0.02 min
Lab File: BG034784.D
Acq: 29 May 2018 19:36

Tot Ion:	264	Resp:	644309
Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	20.6	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

