

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034783.D
 Acq On : 29 May 2018 18:57
 Operator : SJ/JU
 Sample : PB109727BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

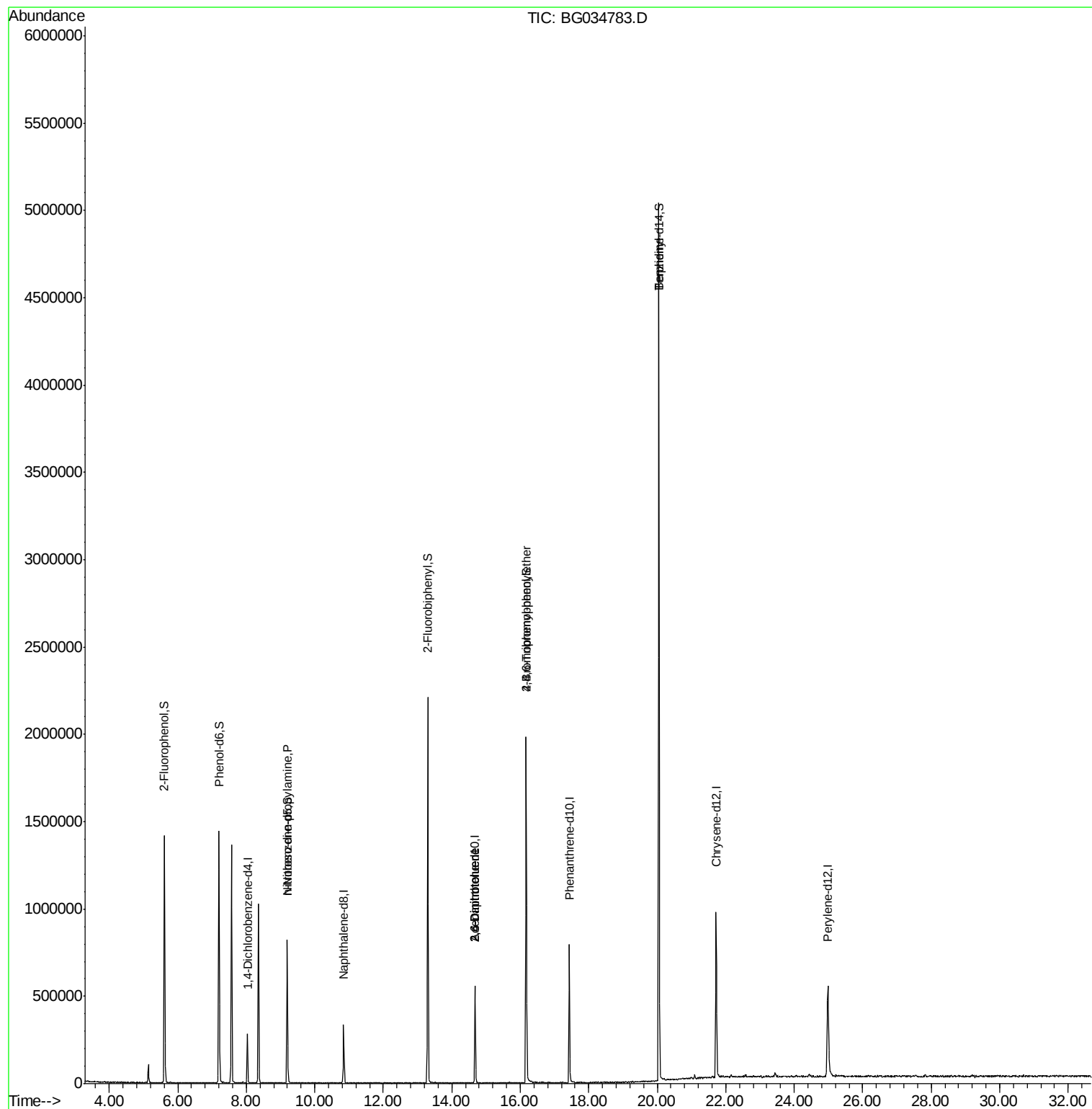
Quant Time: May 30 04:18:50 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	85085	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	291355	20.00	ng	-0.01
38) Acenaphthene-d10	14.68	164	198335	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	545716	20.00	ng	-0.01
75) Chrysene-d12	21.72	240	667744	20.00	ng	-0.02
86) Perylene-d12	24.98	264	689132	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	665560	120.48	ng	0.00
7) Phenol-d6	7.20	99	936955	104.85	ng	0.00
23) Nitrobenzene-d5	9.20	82	556306	72.94	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	437003	127.93	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	1229718	84.18	ng	0.00
78) Terphenyl-d14	20.05	244	2517110	82.67	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	74101	10.12	ng	# 70
50) 2,6-Dinitrotoluene	14.68	165	25543	7.28	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	25543	4.90	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	30500	4.25	ng	# 1
76) Benzidine	20.05	184	34735	5.18	ng	# 93

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

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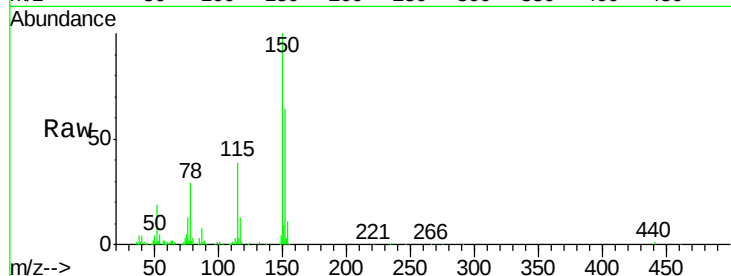




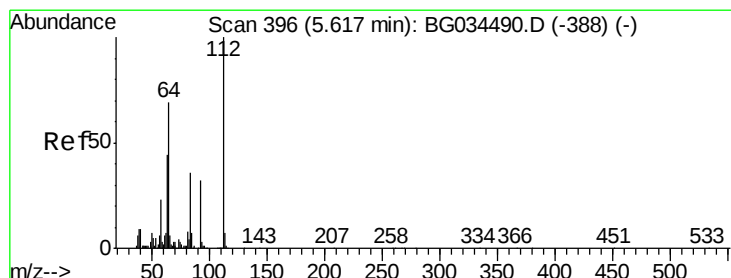
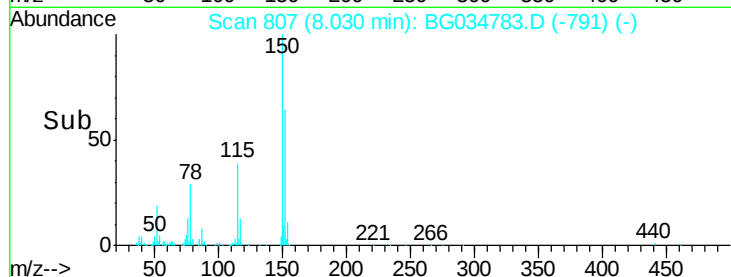
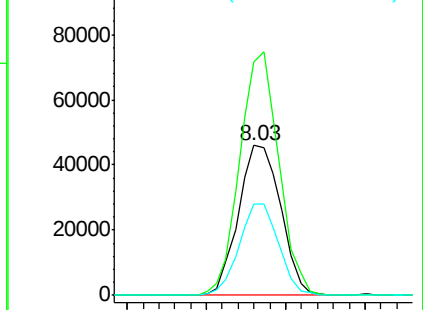
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.00 min
Lab File: BG034783.D
Acq: 29 May 2018 18:57

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.6	189.8
115	61.2	53.0	79.4



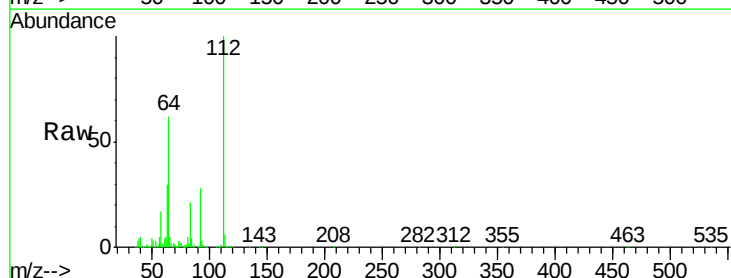
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



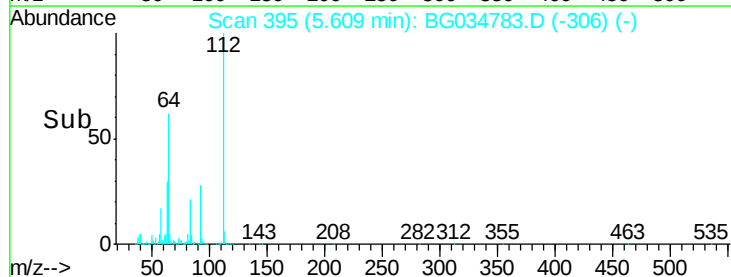
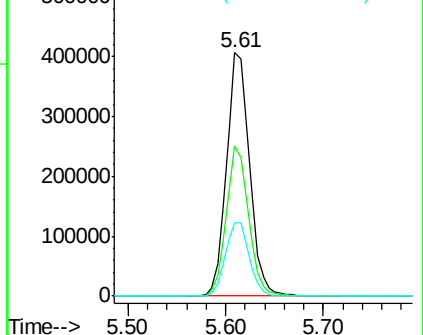
#5

2-Fluorophenol
Concen: 120.48 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG034783.D
Acq: 29 May 2018 18:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	56.3	84.5
63	30.2	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: 104.85 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.00 min

Lab File: BG034783.D

Acq: 29 May 2018 18:57

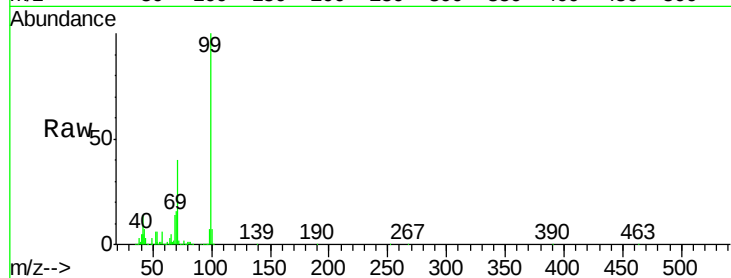
Tot Ion: 99 Resp: 936955

Ion Ratio Lower Upper

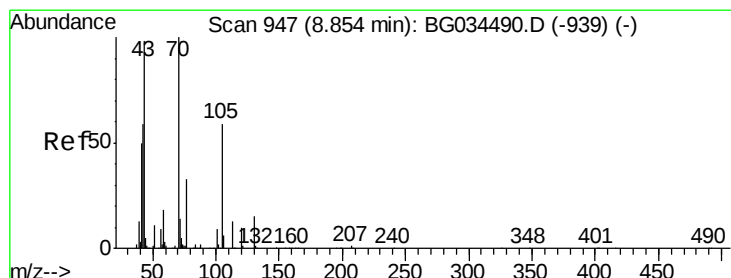
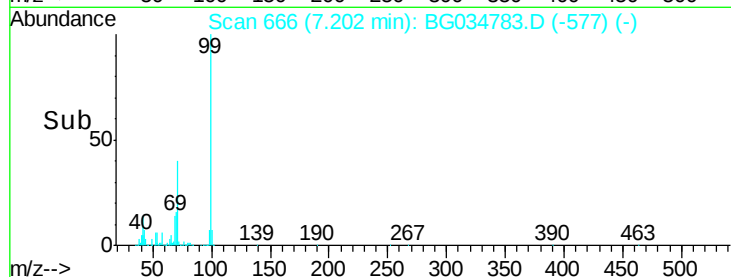
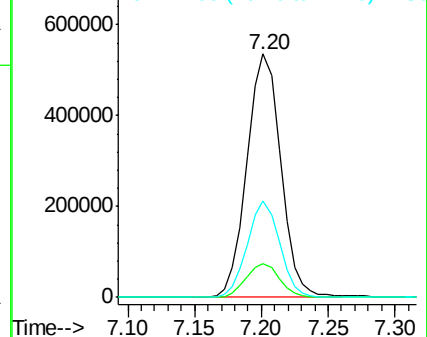
99 100

42 14.0 14.1 21.1#

71 39.6 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: 10.12 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG034783.D

Acq: 29 May 2018 18:57

Tgt Ion: 70 Resp: 74101

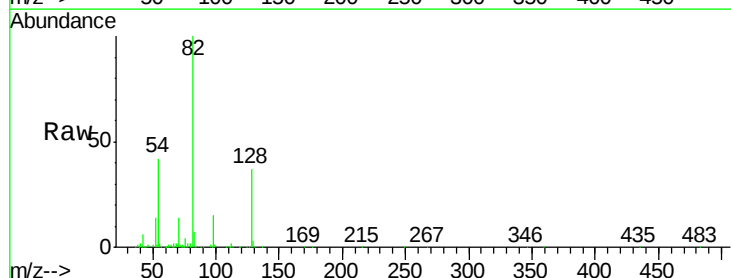
Ion Ratio Lower Upper

70 100

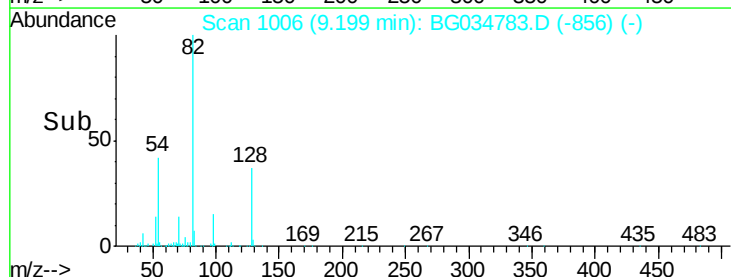
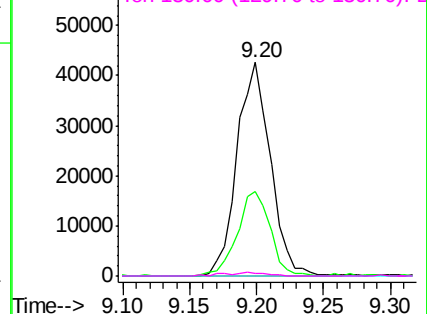
42 39.7 49.1 73.7#

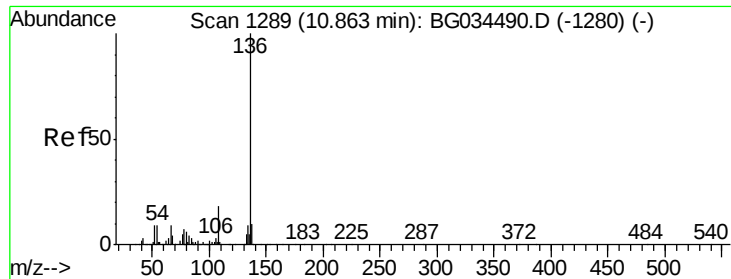
101 0.0 8.5 12.7#

130 1.3 13.4 20.0#



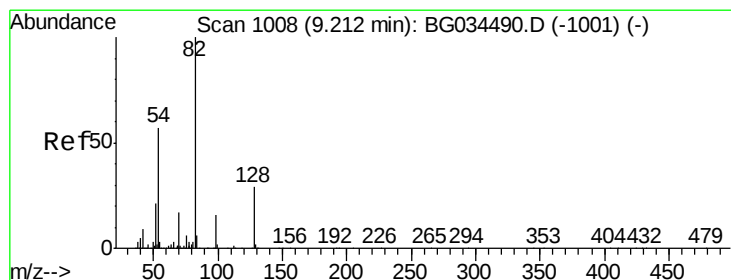
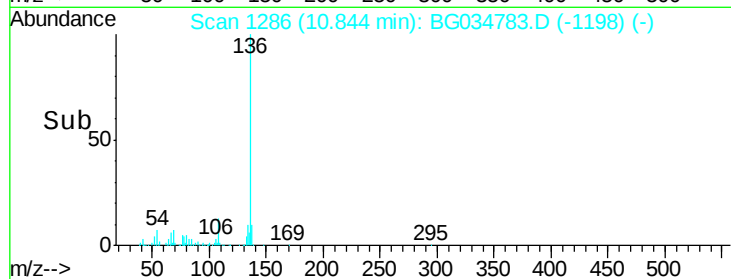
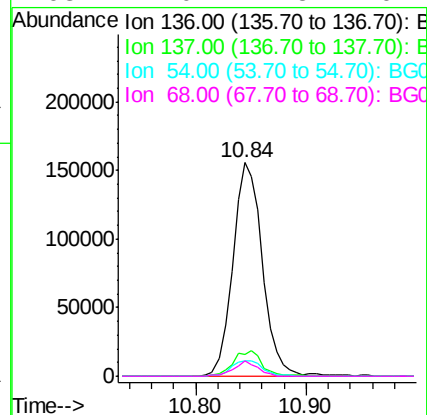
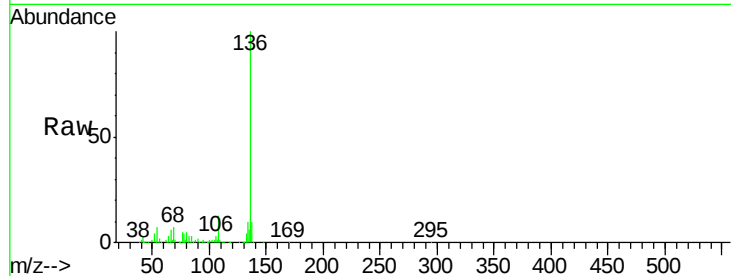
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





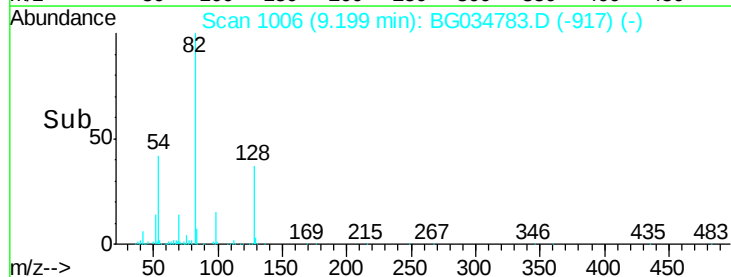
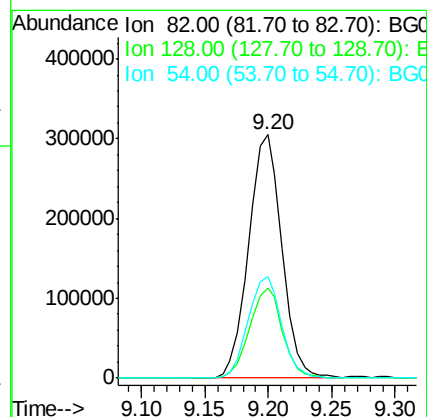
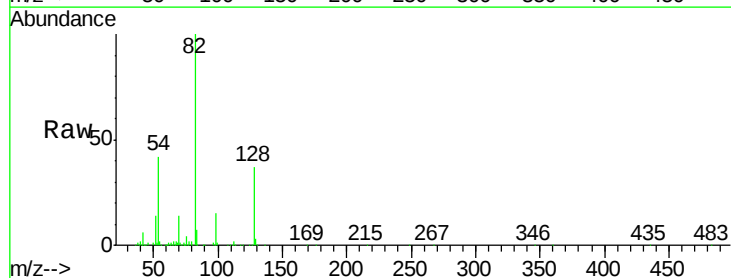
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG034783.D
Acq: 29 May 2018 18:57

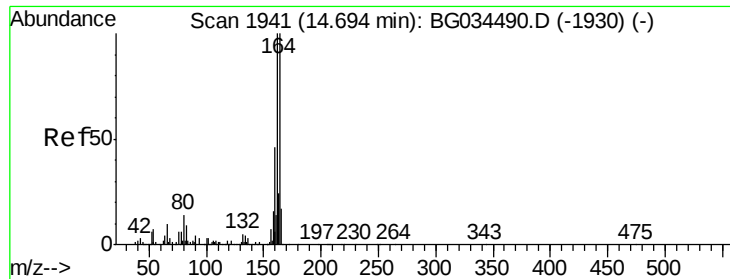
Tot Ion:136	Resp:	291355	
Ion Ratio	Lower	Upper	
136 100			
137 10.2	9.2	13.8	
54 7.3	10.3	15.5#	
68 7.0	4.5	6.7#	



#23
Nitrobenzene-d5
Concen: 72.94 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BG034783.D
Acq: 29 May 2018 18:57

Tgt Ion	82	Resp: Lower	556306 Upper
82	100		
128	36.8	29.7	44.5
54	41.6	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG034783.D

Acq: 29 May 2018 18:57

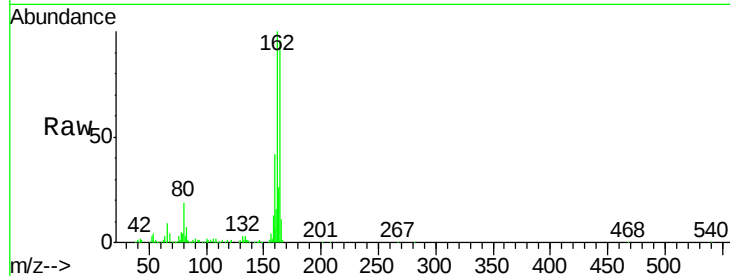
Tot Ion:164 Resp: 198335

Ion Ratio Lower Upper

164 100

162 104.0 78.8 118.2

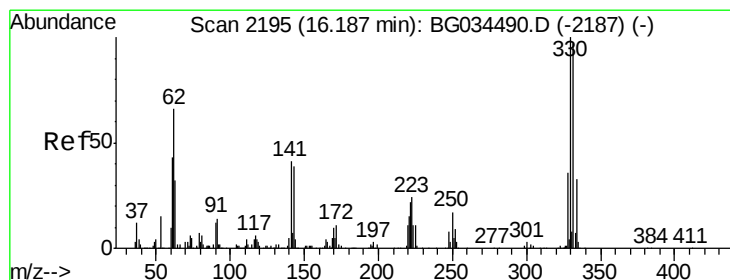
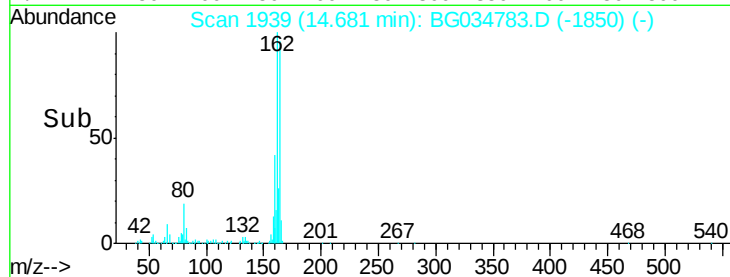
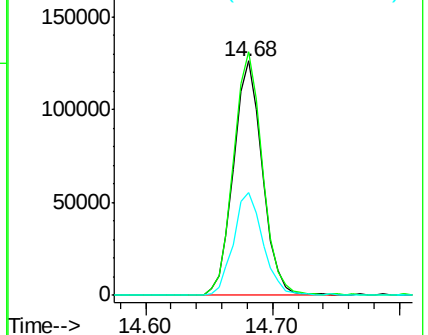
160 44.1 35.4 53.0



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: 127.93 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG034783.D

Acq: 29 May 2018 18:57

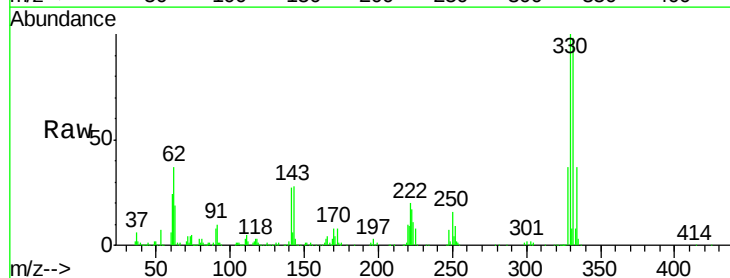
Tgt Ion:330 Resp: 437003

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

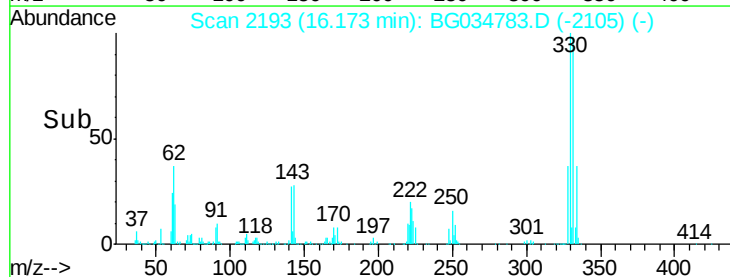
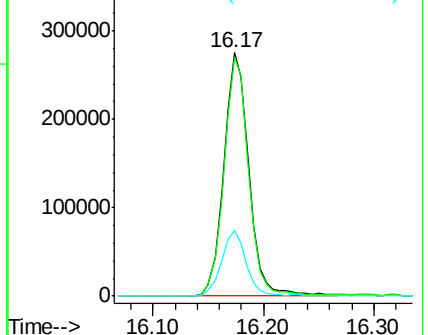
141 26.1 25.2 37.8

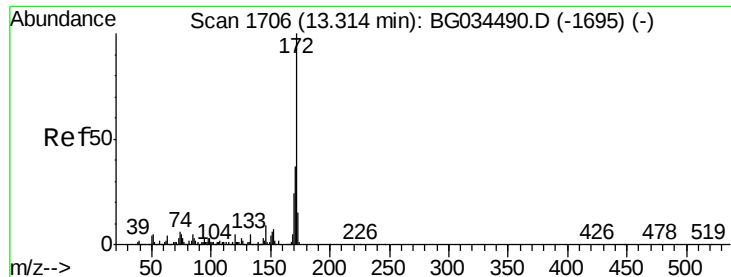


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

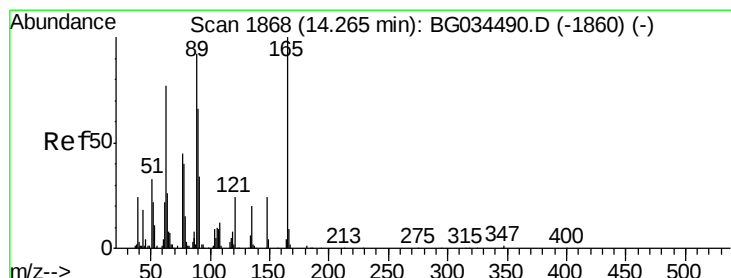
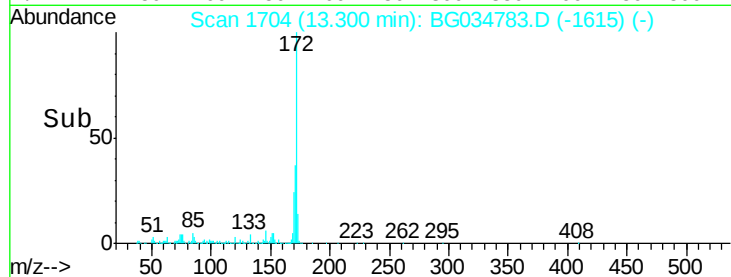
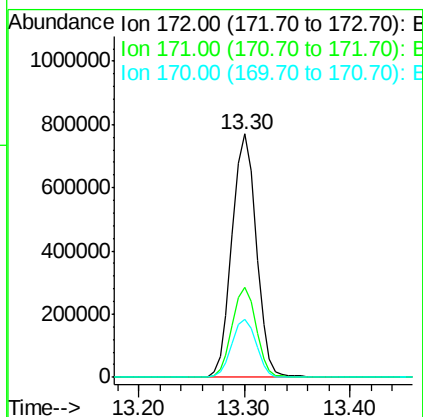
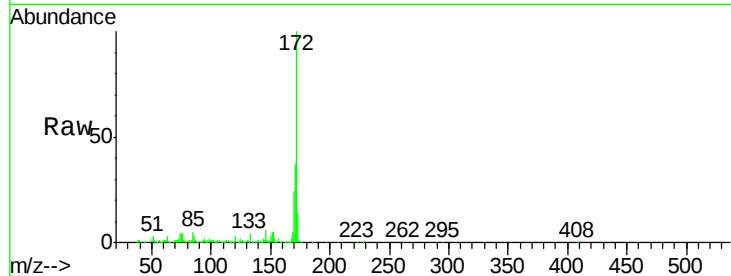




#44
2-Fluorobiphenyl
Concen: 84.18 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.00 min
Lab File: BG034783.D
Acq: 29 May 2018 18:57

Tot Ion:172 Resp: 1229718

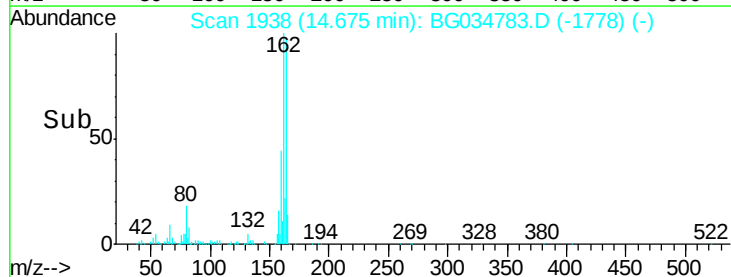
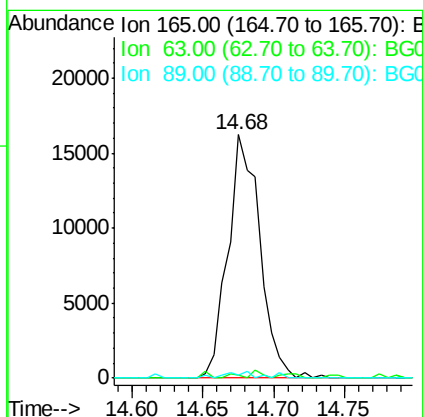
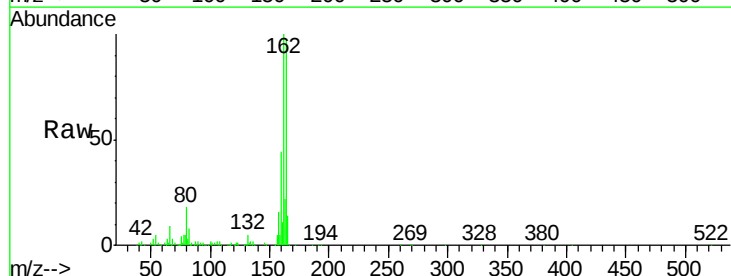
Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	24.0	19.5	29.3

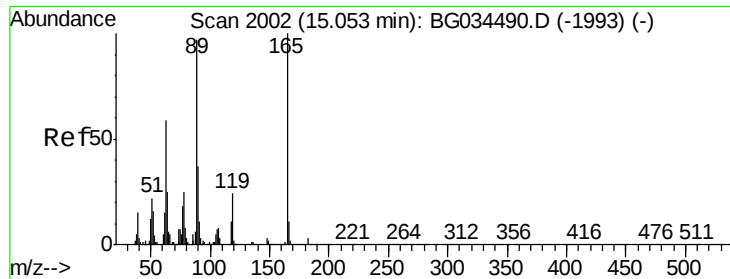


#50
2,6-Dinitrotoluene
Concen: 7.28 ng
RT: 14.68 min Scan# 1938
Delta R.T. 0.41 min
Lab File: BG034783.D
Acq: 29 May 2018 18:57

Tgt Ion:165 Resp: 25543

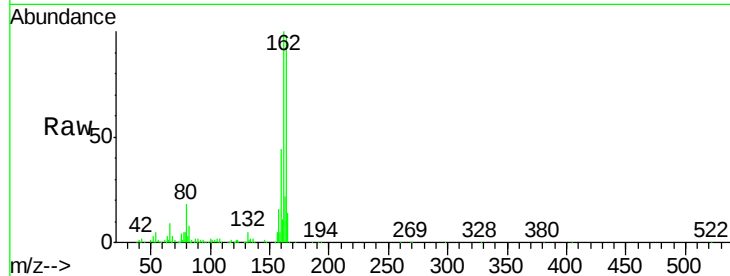
Ion	Ratio	Lower	Upper
165	100		
63	1.0	52.7	79.1#
89	1.1	49.2	73.8#





#56
 2,4-Dinitrotoluene
 Concen: 4.90 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. -0.37 min
 Lab File: BG034783.D
 Acq: 29 May 2018 18:57

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	42.0	63.0#
89	1.1	66.9	100.3#
182	0.0	2.6	3.8#

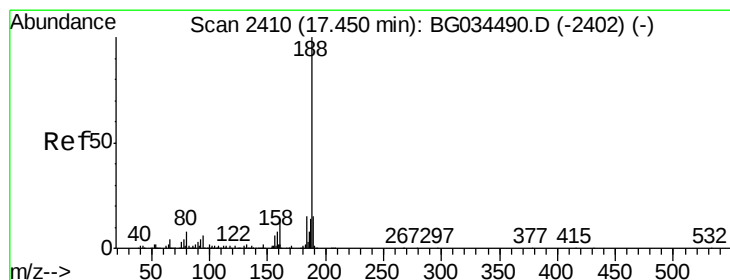
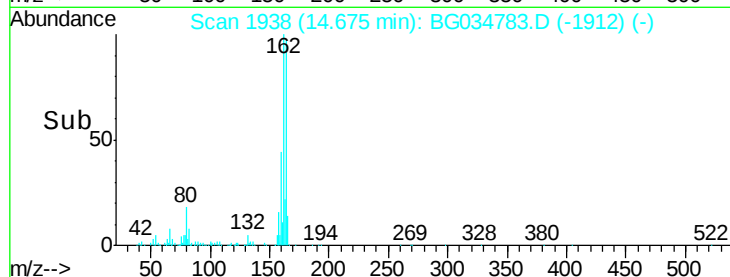
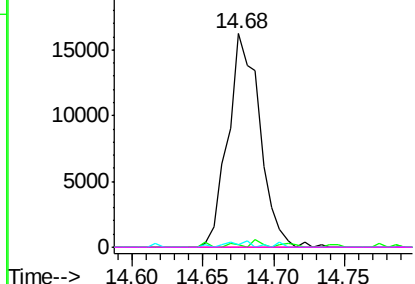


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

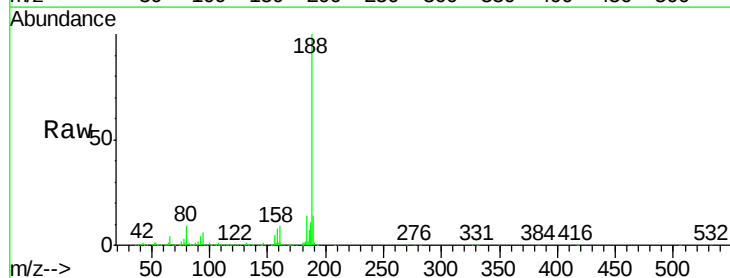
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG034783.D
 Acq: 29 May 2018 18:57

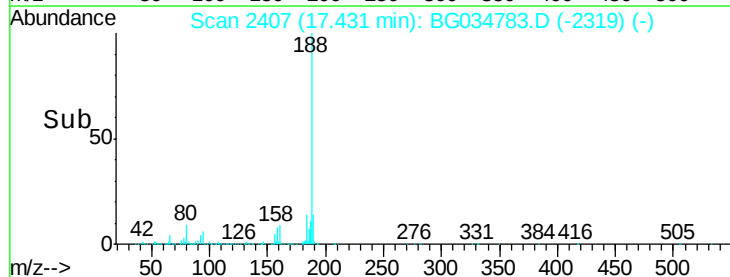
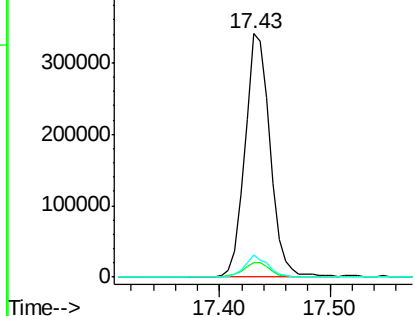
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	6.9	10.3#
80	9.0	7.7	11.5

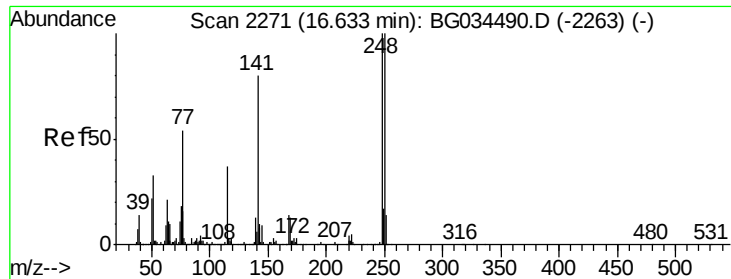


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

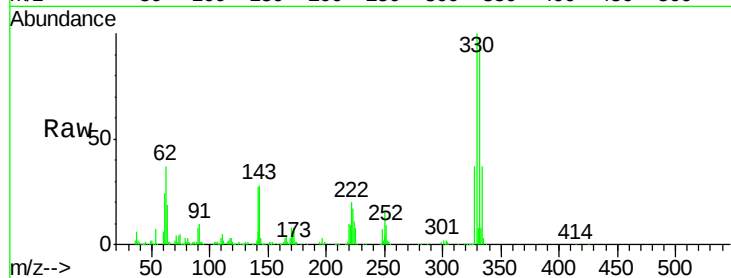
Ion 80.00 (79.70 to 80.70): BGC



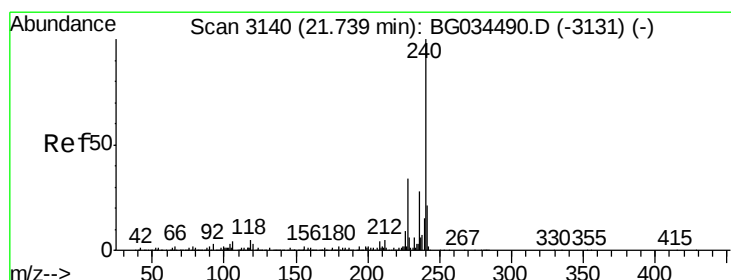
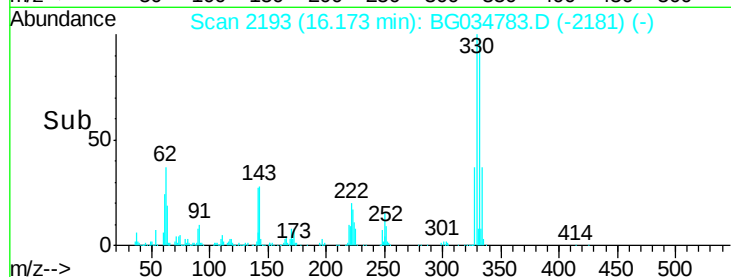
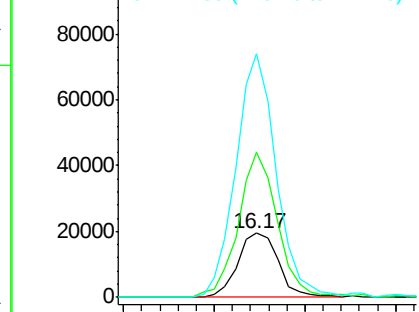


#66
4-Bromophenyl-phenylether
Concen: 4.25 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG034783.D
Acq: 29 May 2018 18:57

Tot Ion	Ratio	Lower	Upper
248	100		
250	225.8	77.1	115.7#
141	378.4	50.8	76.2#

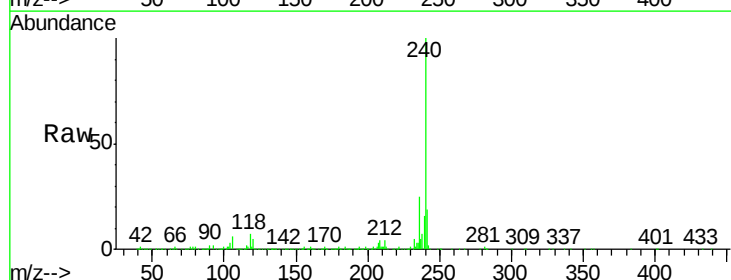


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

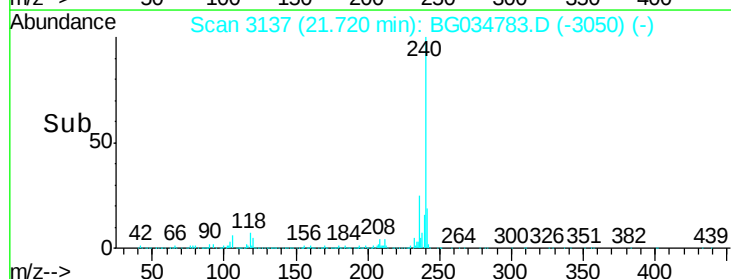
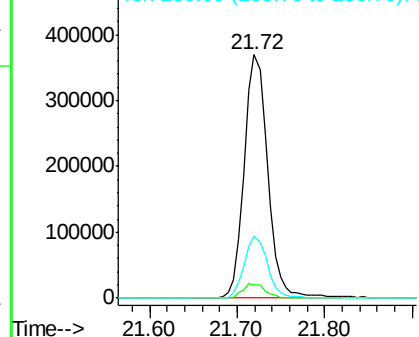


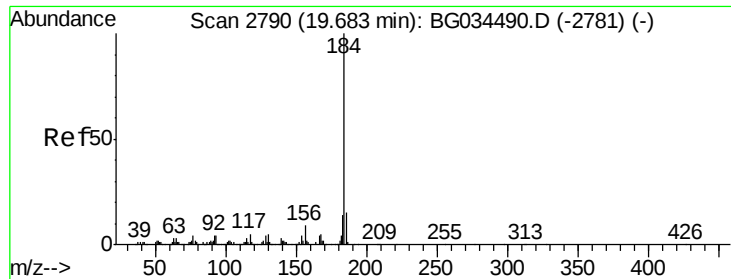
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.72 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG034783.D
Acq: 29 May 2018 18:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.3	6.8	10.2#
236	25.3	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: 5.18 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.37 min

Lab File: BG034783.D

Acq: 29 May 2018 18:57

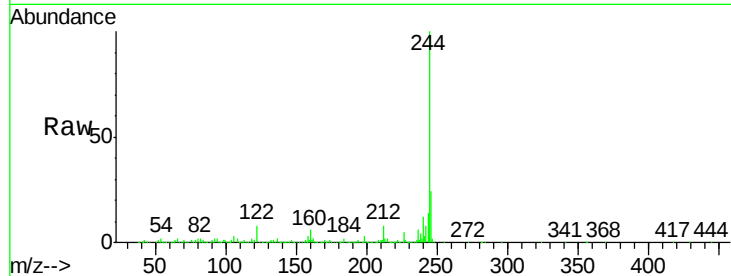
Tot Ion:184 Resp: 34735

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

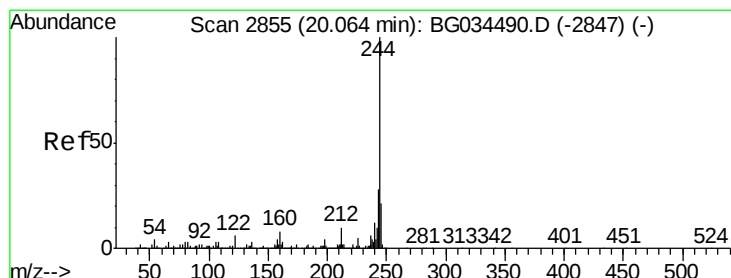
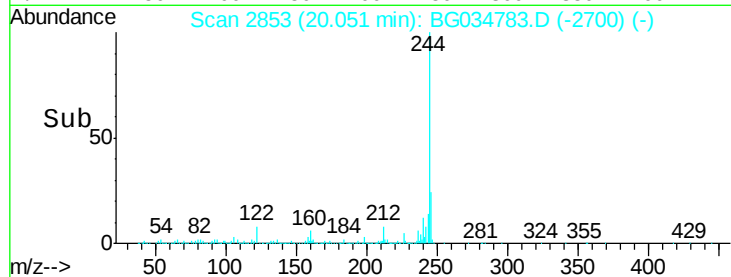
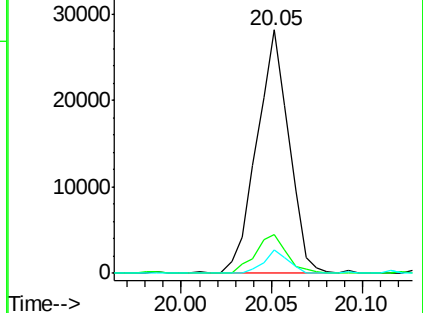
183 9.7 10.6 16.0#



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: 82.67 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG034783.D

Acq: 29 May 2018 18:57

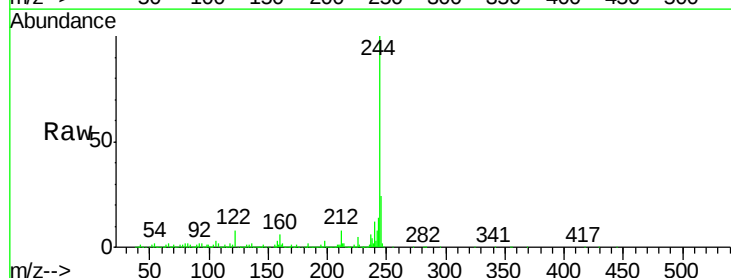
Tgt Ion:244 Resp: 2517110

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

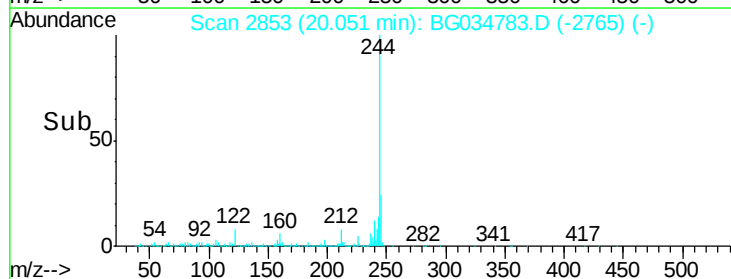
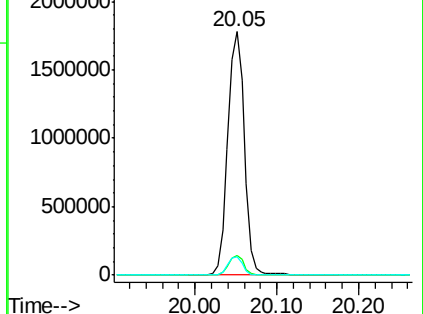
122 7.6 7.0 10.4

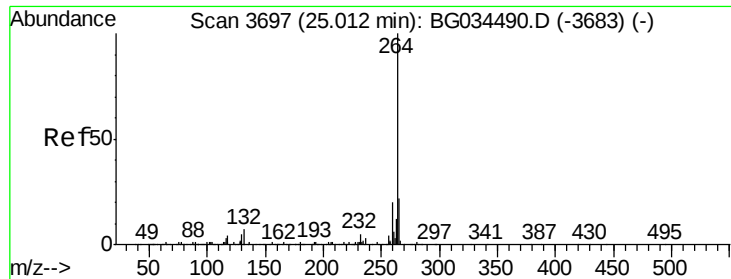


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.98 min Scan# 3692
Delta R.T. -0.02 min
Lab File: BG034783.D
Acq: 29 May 2018 18:57

Tot Ion:	264	Resp:	689132
Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	21.1	17.7	26.5

