

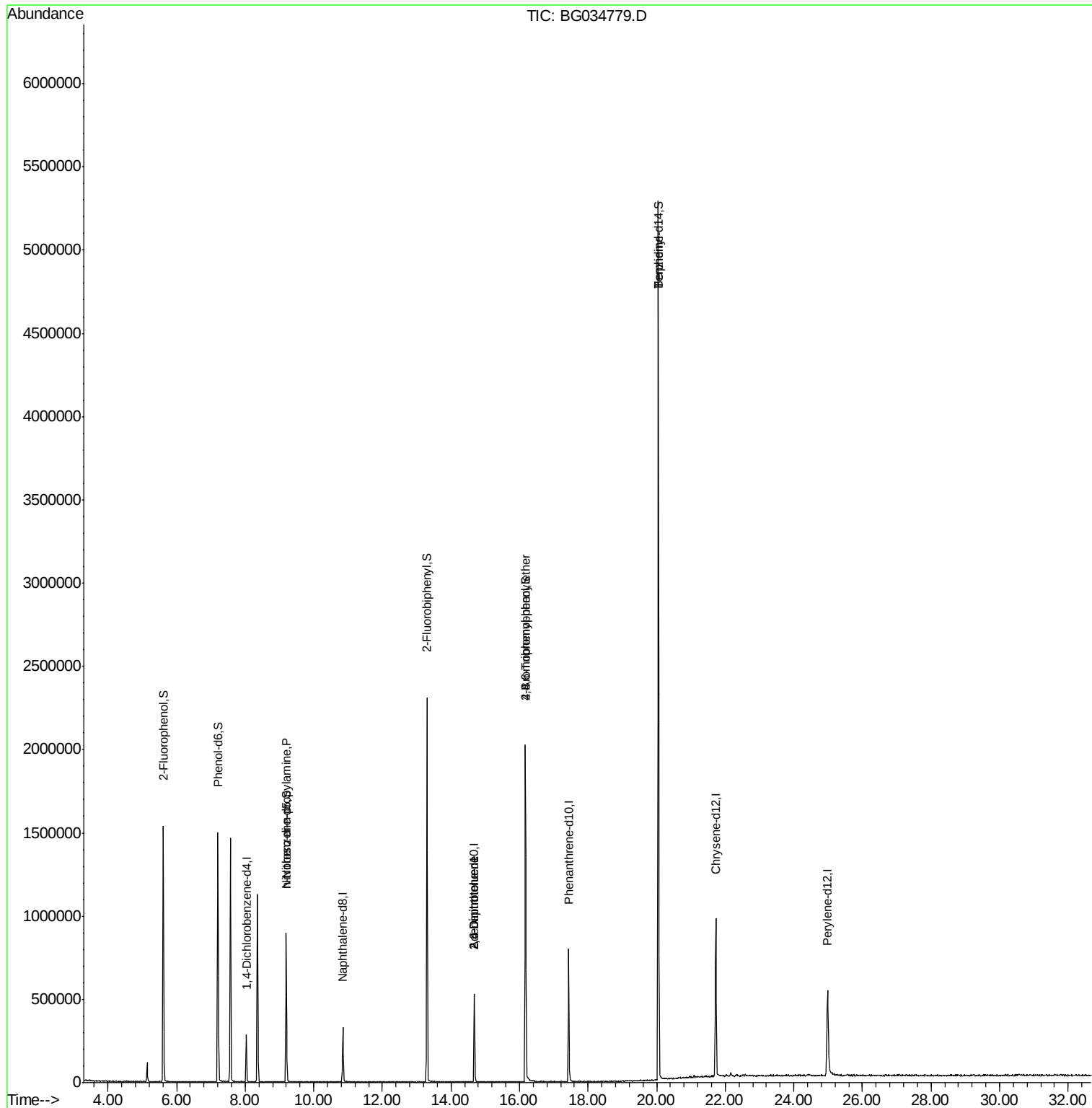
Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034779.D
 Acq On : 29 May 2018 16:23
 Operator : SJ/JU
 Sample : PB109739BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

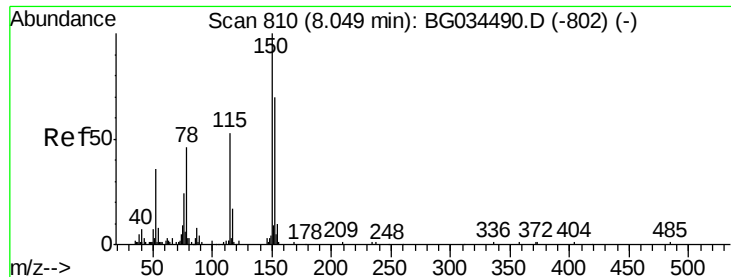
Quant Time: May 30 04:16:17 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	80467	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	287043	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	194772	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	536093	20.00	ng	0.00
75) Chrysene-d12	21.72	240	661151	20.00	ng	-0.01
86) Perylene-d12	24.99	264	680798	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	707420	135.41	ng	0.00
7) Phenol-d6	7.21	99	993369	117.54	ng	0.00
23) Nitrobenzene-d5	9.20	82	600981	79.98	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	472367	140.82	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1289104	89.85	ng	0.00
78) Terphenyl-d14	20.05	244	2648410	87.84	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	77946	11.26	ng	# 68
50) 2,6-Dinitrotoluene	14.68	165	24636	7.15	ng	# 19
56) 2,4-Dinitrotoluene	14.68	165	24636	4.81	ng	# 17
66) 4-Bromophenyl-phenylether	16.17	248	34665	4.91	ng	# 1
76) Benzidine	20.05	184	35072	5.22	ng	96

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

```
Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\  
Data File : BG034779.D  
Acq On    : 29 May 2018  16:23  
Operator  : SJ/JU  
Sample    : PB109739BL  
Misc      :  
ALS Vial  : 4      Sample Multiplier: 1
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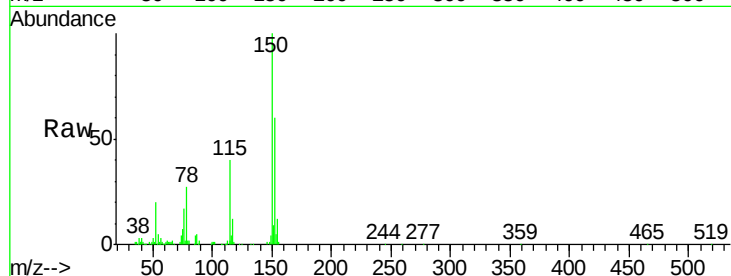




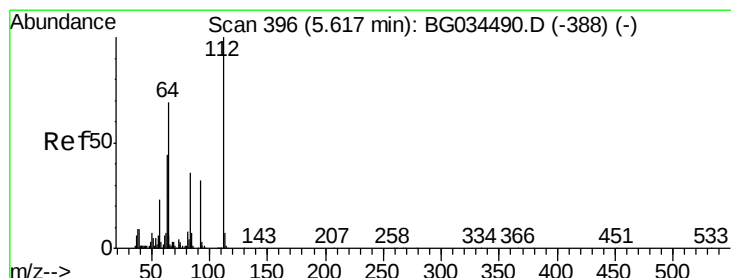
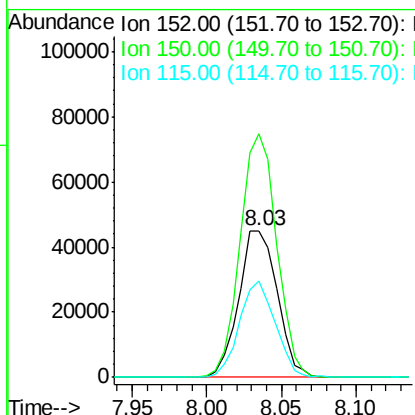
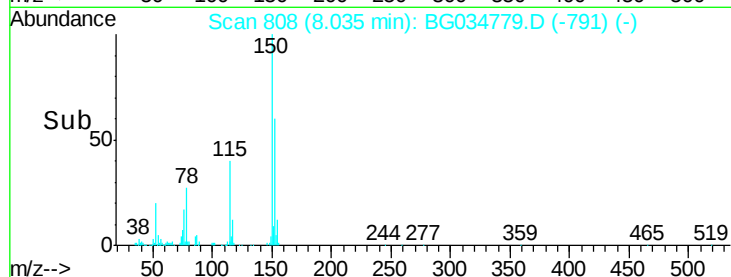
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 808
Delta R.T. 0.00 min
Lab File: BG034779.D
Acq: 29 May 2018 16:23

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.8	126.6	189.8
115	65.7	53.0	79.4



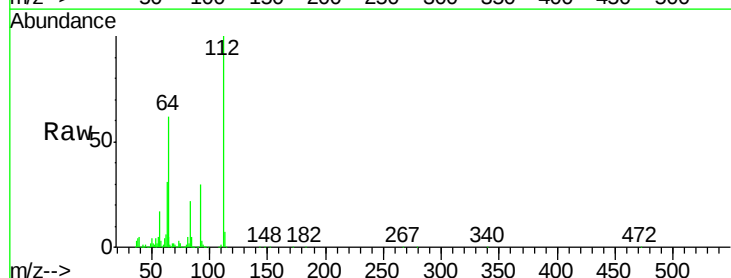
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



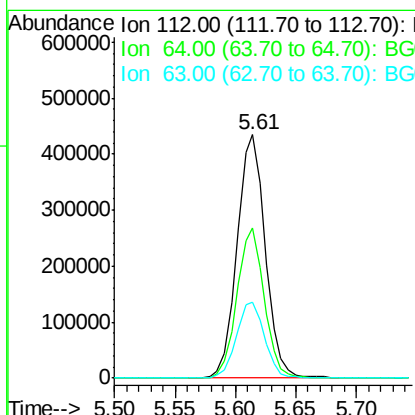
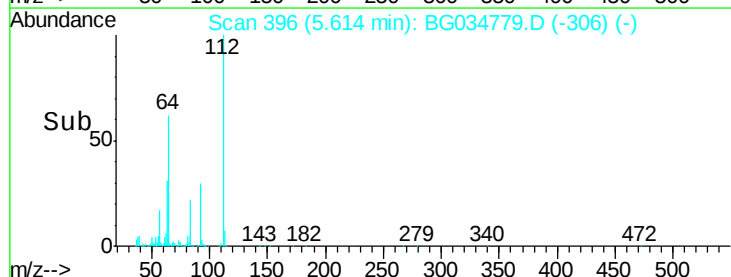
#5

2-Fluorophenol
Concen: 135.41 ng
RT: 5.61 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG034779.D
Acq: 29 May 2018 16:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	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: 117.54 ng

RT: 7.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BG034779.D

Acq: 29 May 2018 16:23

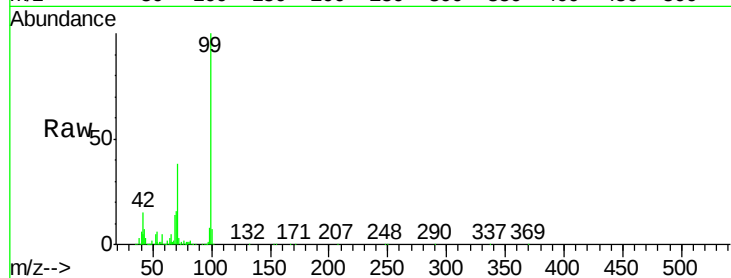
Tot Ion: 99 Resp: 993369

Ion Ratio Lower Upper

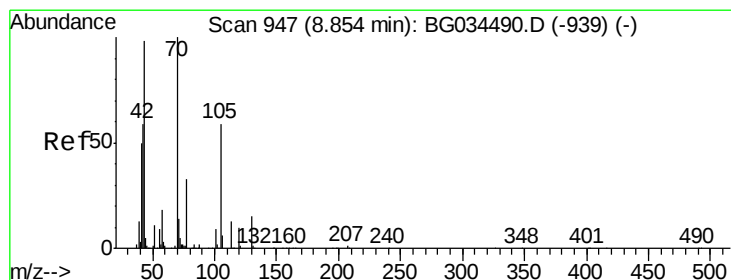
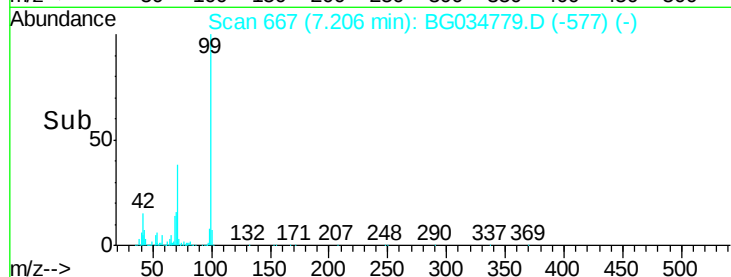
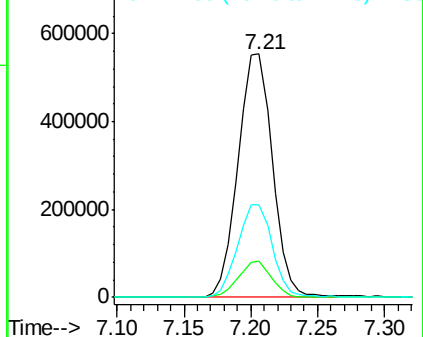
99 100

42 15.0 14.1 21.1

71 38.3 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: 11.26 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG034779.D

Acq: 29 May 2018 16:23

Tgt Ion: 70 Resp: 77946

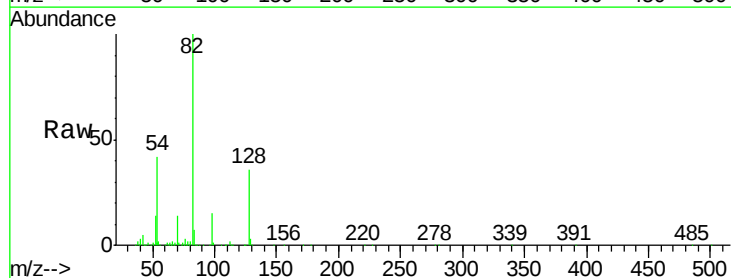
Ion Ratio Lower Upper

70 100

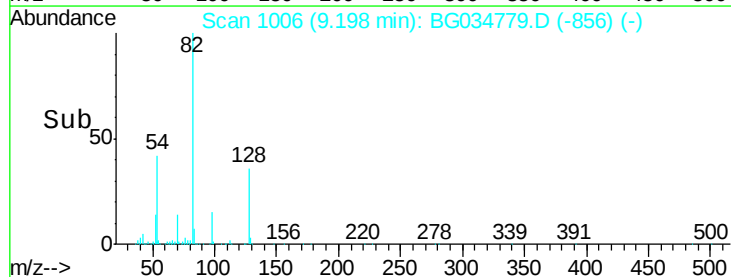
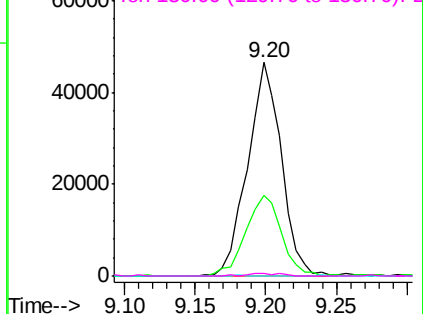
42 37.5 49.1 73.7#

101 0.0 8.5 12.7#

130 1.2 13.4 20.0#



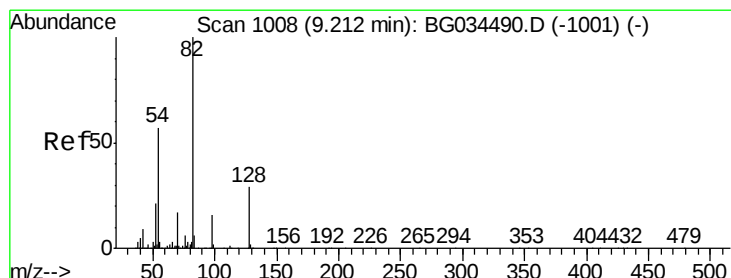
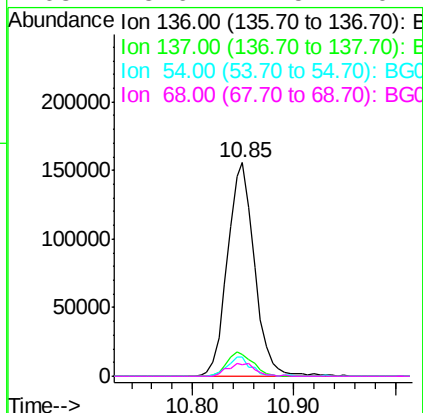
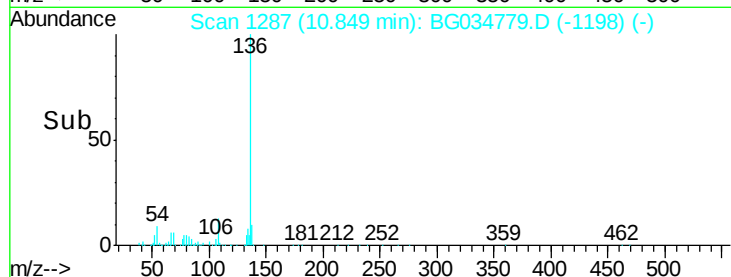
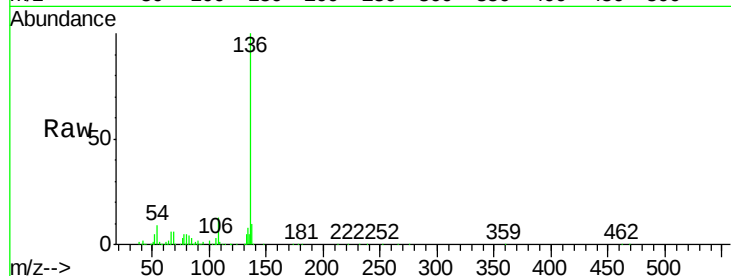
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





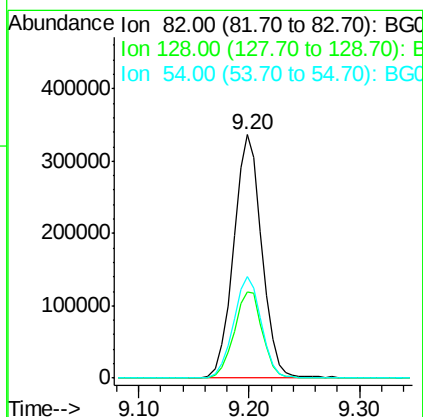
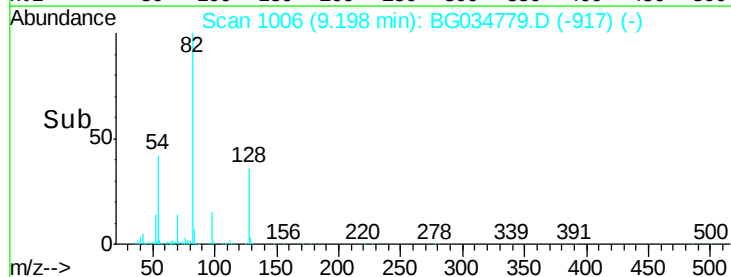
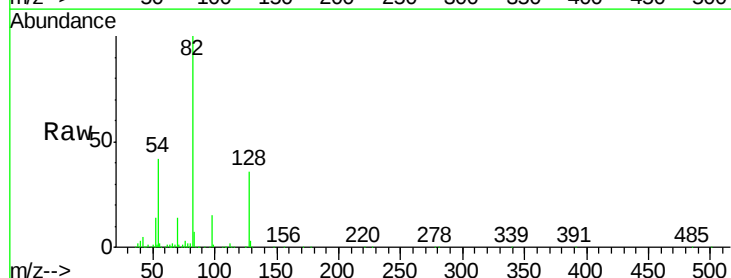
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG034779.D
Acq: 29 May 2018 16:23

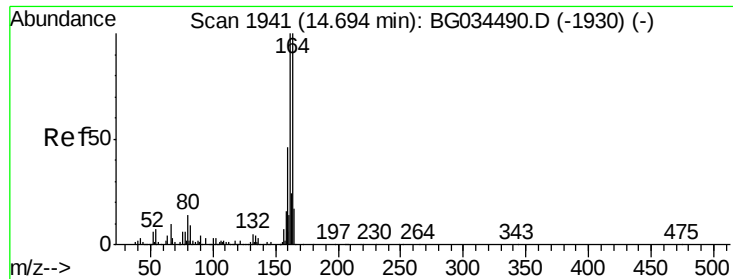
Tot Ion:136	Resp:	287043	
Ion Ratio	Lower	Upper	
136 100			
137 10.4	9.2	13.8	
54 9.1	10.3	15.5#	
68 5.6	4.5	6.7	



#23
Nitrobenzene-d5
Concen: 79.98 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG034779.D
Acq: 29 May 2018 16:23

Tgt Ion: 82	Resp: 600981
Ion Ratio	Lower Upper
82 100	
128 35.6	29.7 44.5
54 42.0	43.1 64.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG034779.D

Acq: 29 May 2018 16:23

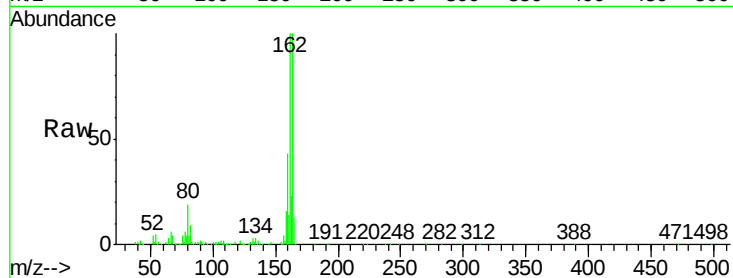
Tot Ion:164 Resp: 194772

Ion Ratio Lower Upper

164 100

162 100.3 78.8 118.2

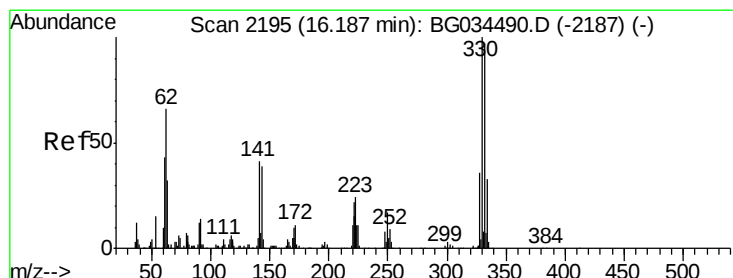
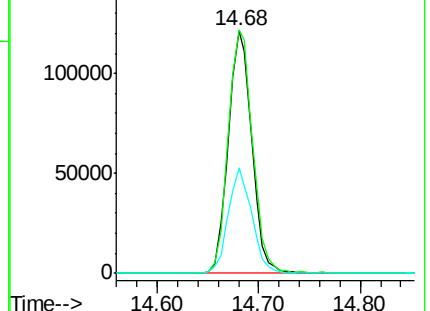
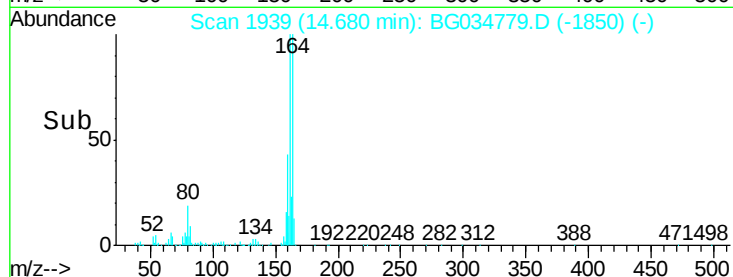
160 43.5 35.4 53.0



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: 140.82 ng

RT: 16.18 min Scan# 2194

Delta R.T. -0.01 min

Lab File: BG034779.D

Acq: 29 May 2018 16:23

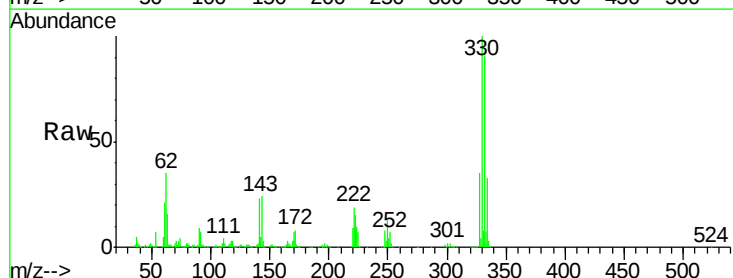
Tgt Ion:330 Resp: 472367

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

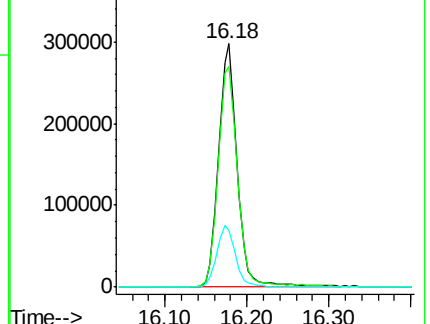
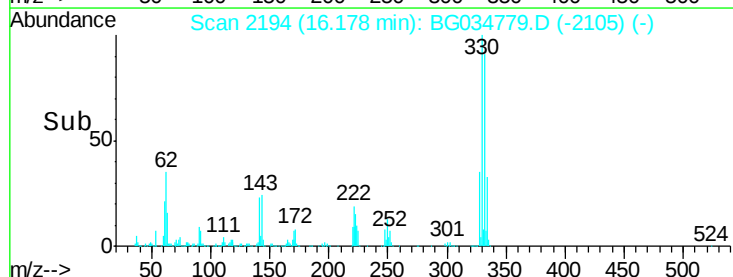
141 25.6 25.2 37.8

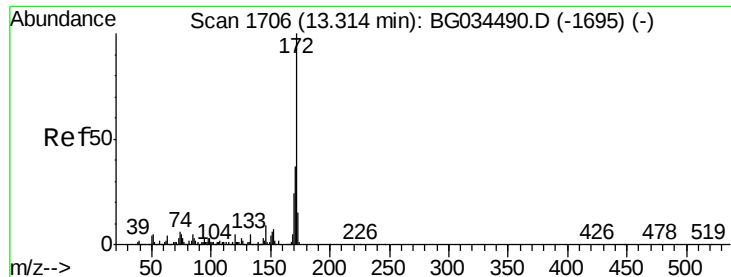


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

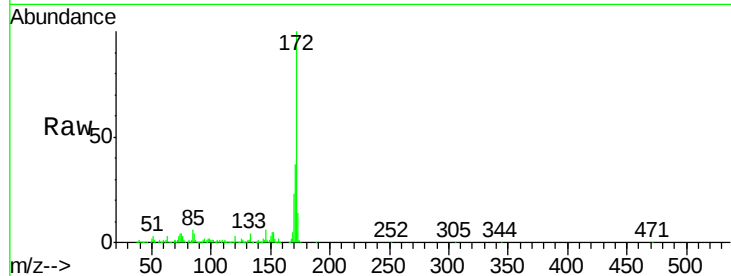




#44
 2-Fluorobiphenyl
 Concen: 89.85 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG034779.D
 Acq: 29 May 2018 16:23

Tot Ion:172 Resp: 1289104

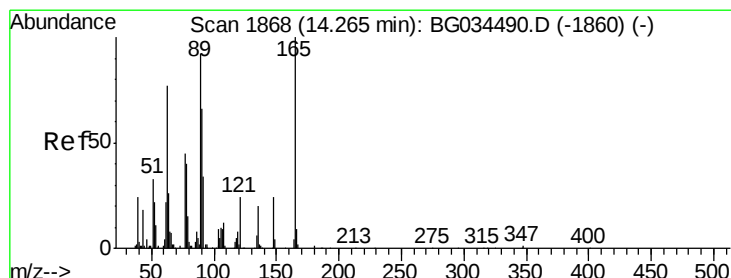
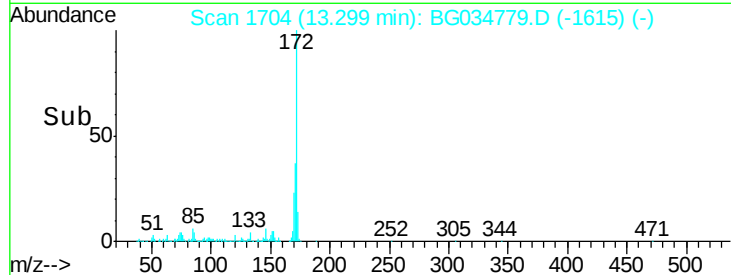
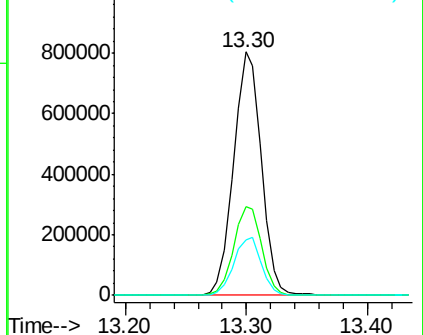
Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.0	45.0
170	23.0	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

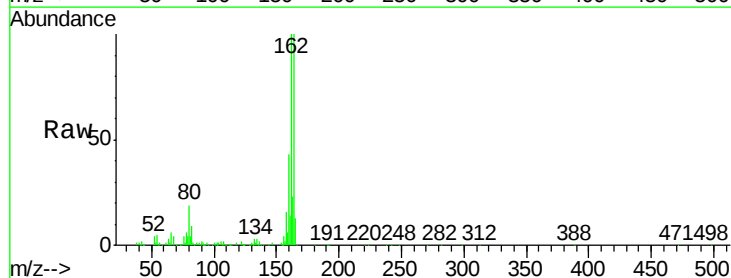
Ion 170.00 (169.70 to 170.70): E



#50
 2,6-Dinitrotoluene
 Concen: 7.15 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.42 min
 Lab File: BG034779.D
 Acq: 29 May 2018 16:23

Tgt Ion:165 Resp: 24636

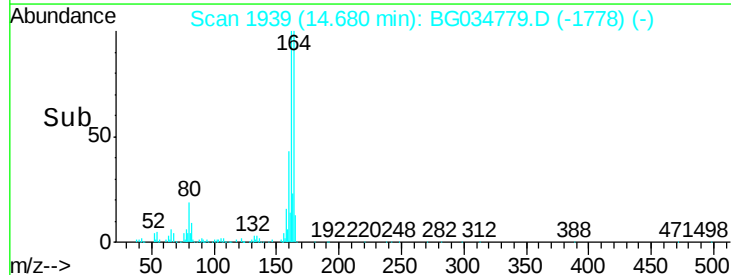
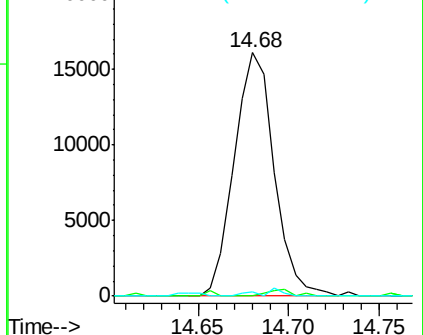
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.8	49.2	73.8#

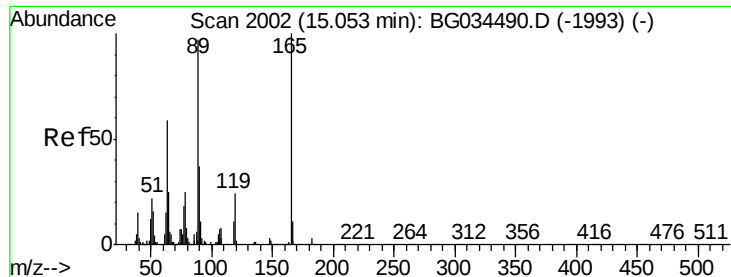


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

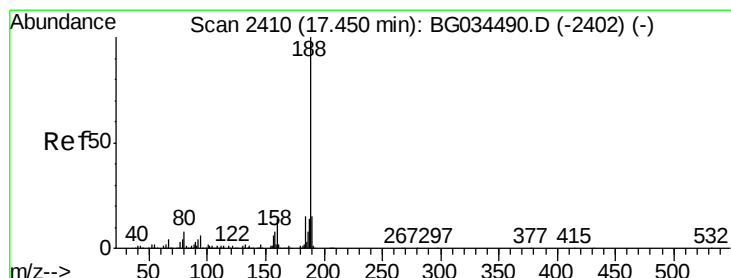
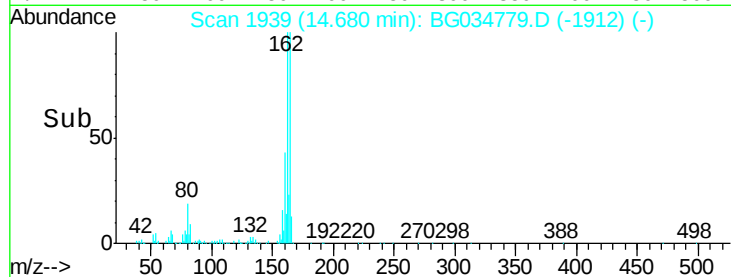
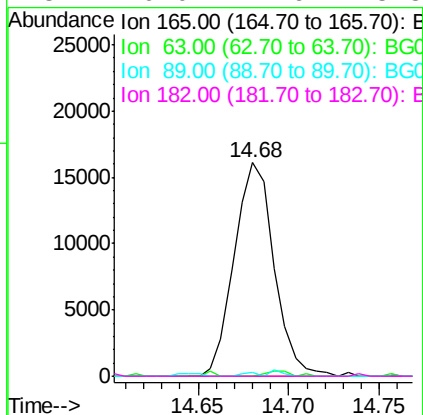
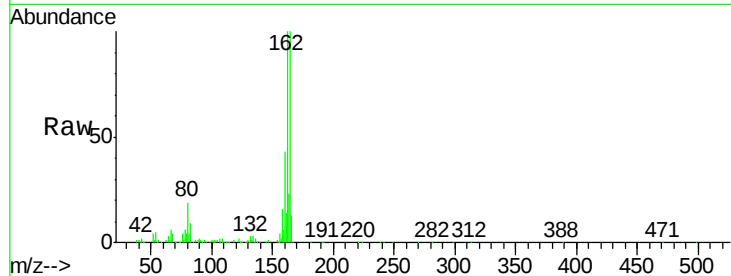
Ion 89.00 (88.70 to 89.70): BG0





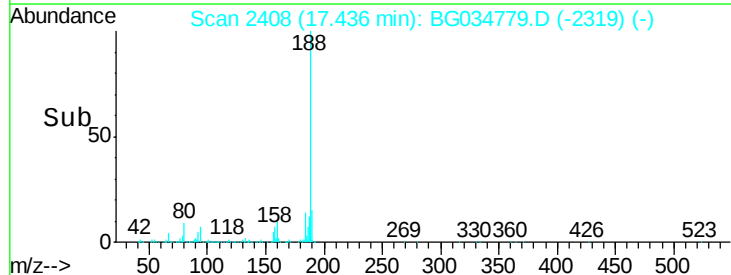
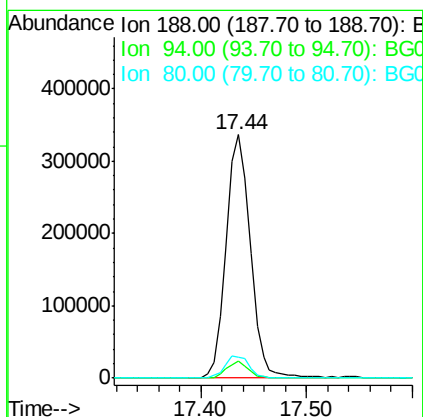
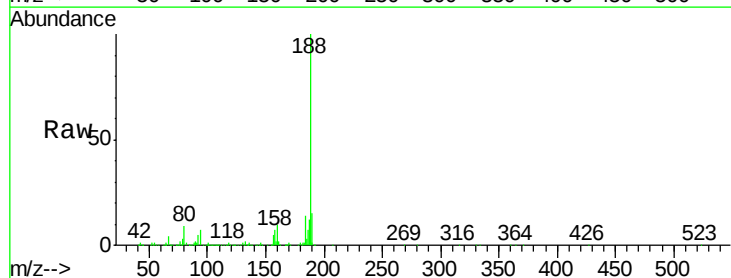
#56
2,4-Dinitrotoluene
Concen: 4.81 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.37 min
Lab File: BG034779.D
Acq: 29 May 2018 16:23

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.8	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.44 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BG034779.D
Acq: 29 May 2018 16:23

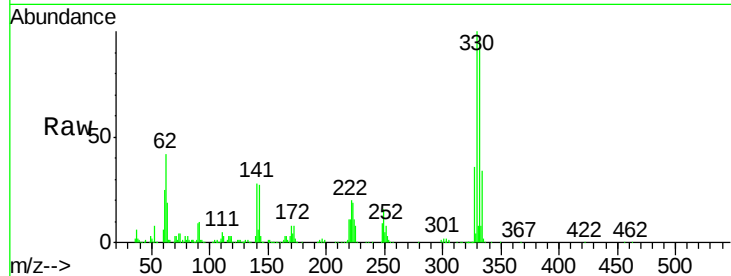
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	8.6	7.7	11.5



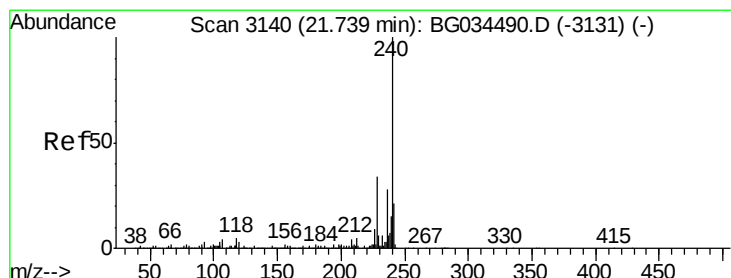
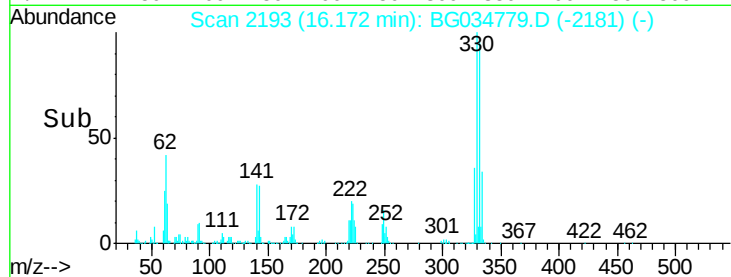
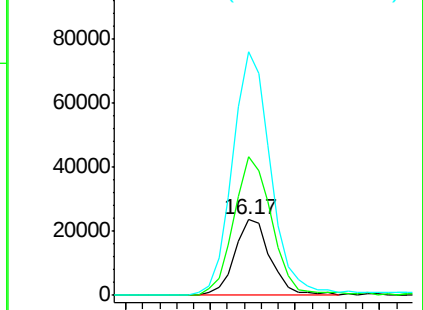


#66
4-Bromophenyl-phenylether
Concen: 4.91 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG034779.D
Acq: 29 May 2018 16:23

Tot Ion	Ratio	Lower	Upper
248	100		
250	183.2	77.1	115.7#
141	323.1	50.8	76.2#

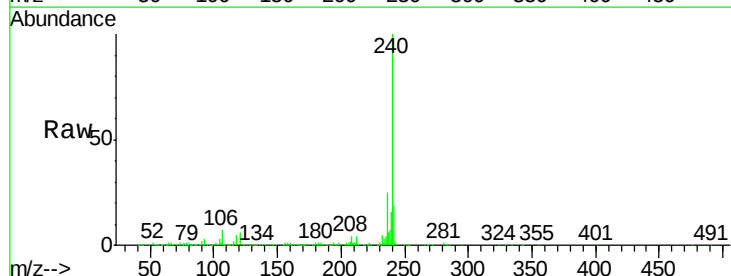


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

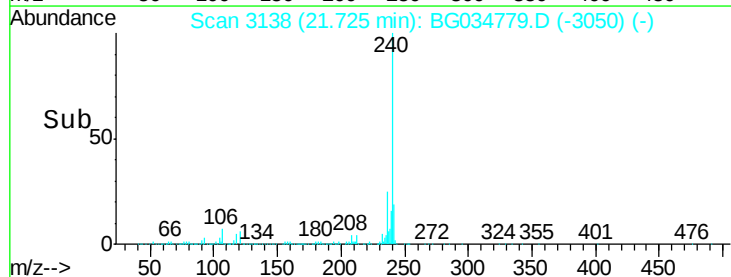
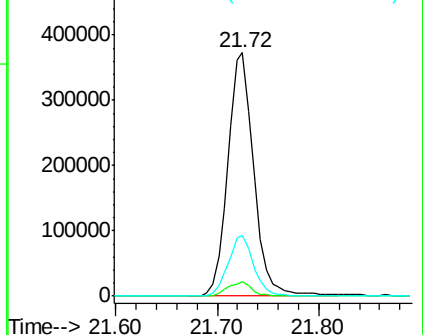


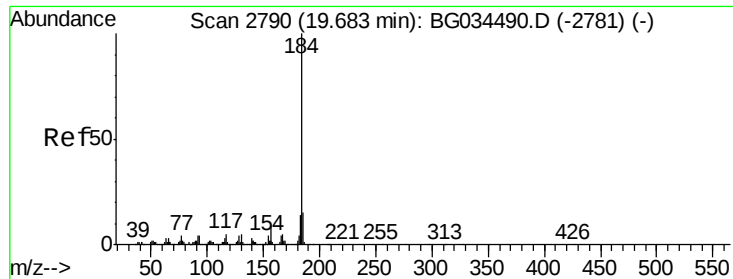
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.72 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG034779.D
Acq: 29 May 2018 16:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.0	6.8	10.2#
236	24.9	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: 5.22 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.37 min

Lab File: BG034779.D

Acq: 29 May 2018 16:23

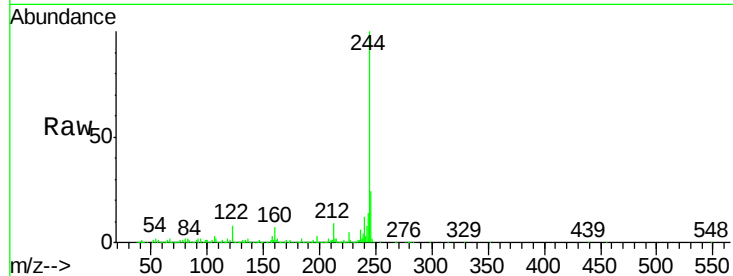
Tot Ion:184 Resp: 35072

Ion Ratio Lower Upper

184 100

185 12.0 11.1 16.7

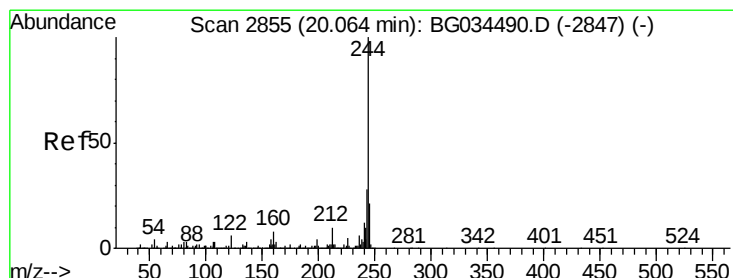
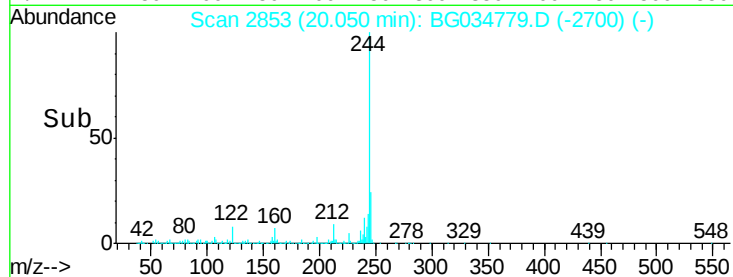
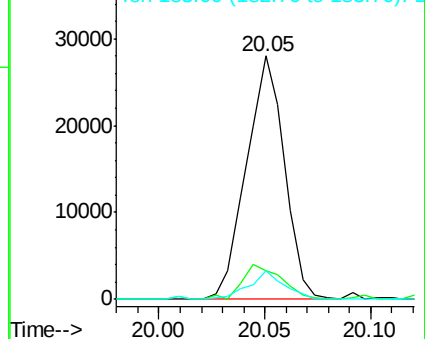
183 11.9 10.6 16.0



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: 87.84 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG034779.D

Acq: 29 May 2018 16:23

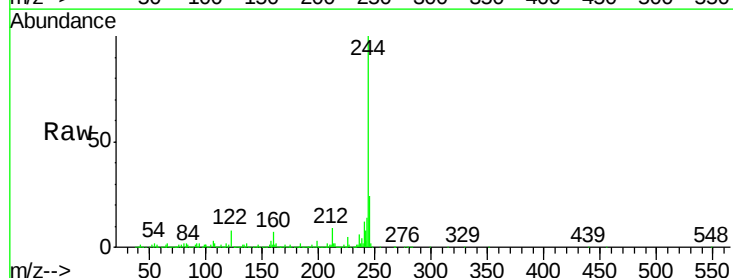
Tgt Ion:244 Resp: 2648410

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

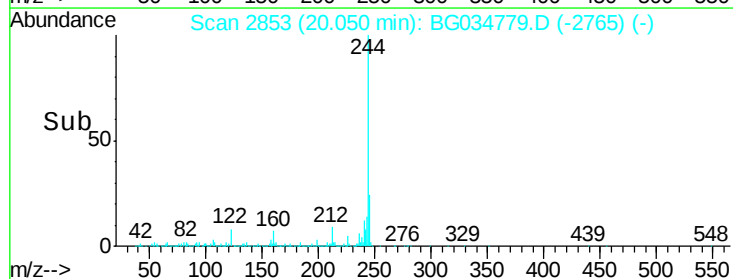
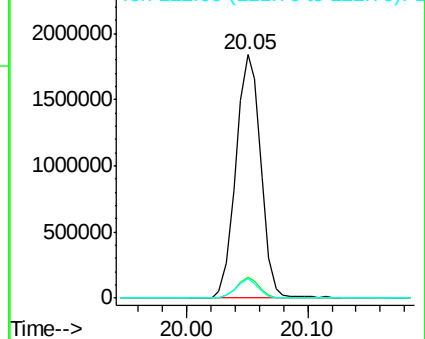
122 7.8 7.0 10.4

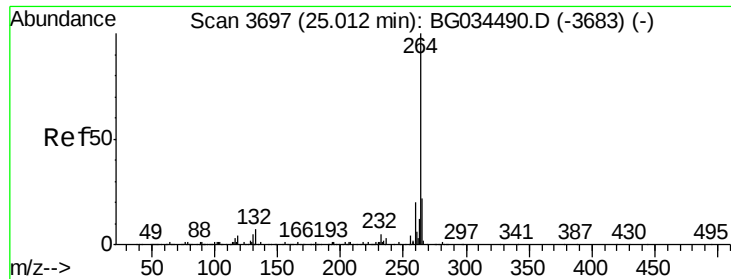


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.99 min Scan# 3693
Delta R.T. -0.02 min
Lab File: BG034779.D
Acq: 29 May 2018 16:23

Tot Ion:	264	Resp:	680798
Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	19.5	17.7	26.5

