

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034797.D
 Acq On : 30 May 2018 4:35
 Operator : SJ/JU
 Sample : J3178-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

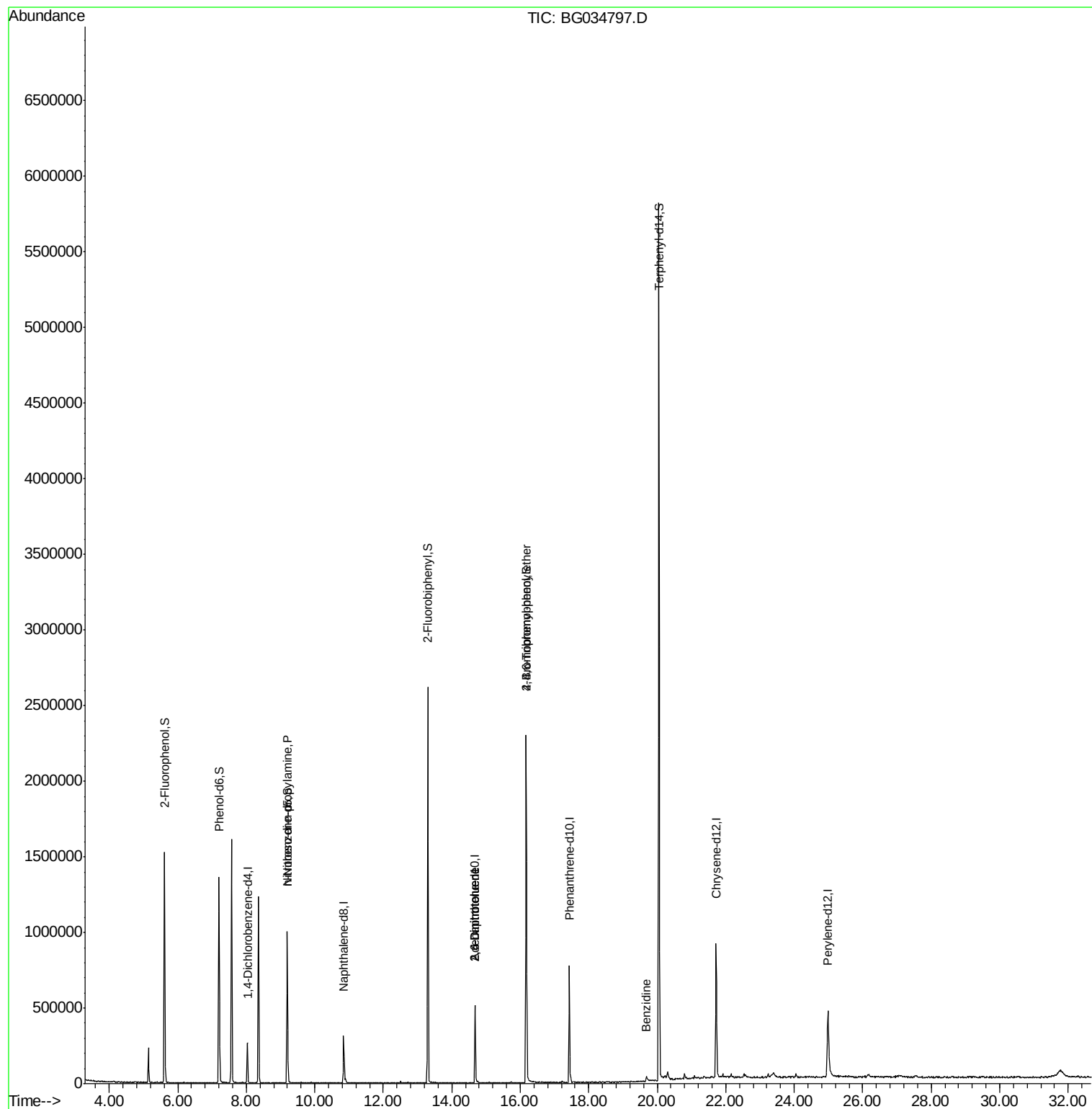
Quant Time: May 30 07:50:38 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

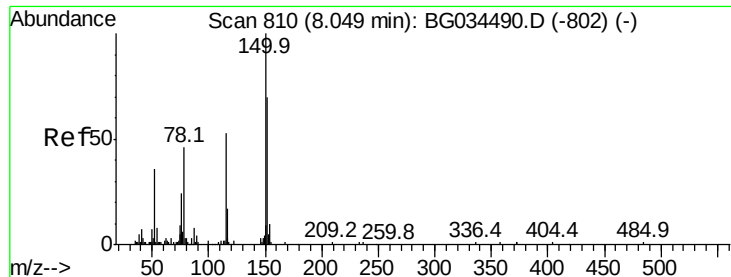
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	80253	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	277396	20.00	ng	-0.01
38) Acenaphthene-d10	14.68	164	187281	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	520414	20.00	ng	0.00
75) Chrysene-d12	21.72	240	625668	20.00	ng	-0.02
86) Perylene-d12	24.99	264	628624	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	707231	135.73	ng	0.00
7) Phenol-d6	7.20	99	914821	108.53	ng	0.00
23) Nitrobenzene-d5	9.20	82	688900	94.87	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	523978	162.45	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1443334	104.63	ng	0.00
78) Terphenyl-d14	20.05	244	2912600	102.09	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	91060	13.190	ng	# 69
50) 2,6-Dinitrotoluene	14.68	165	23604	7.120	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	23604	4.797	ng	# 17
66) 4-Bromophenyl-phenylether	16.17	248	38093	5.562	ng	# 1
76) Benzidine	19.69	184	32807	5.195	ng	# 89

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

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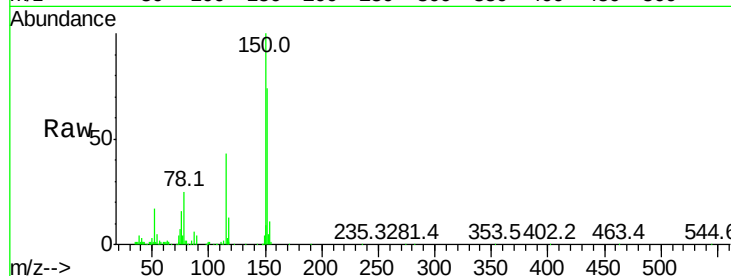




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 808
Delta R.T. -0.00 min
Lab File: BG034797.D
Acq: 30 May 2018 4:35

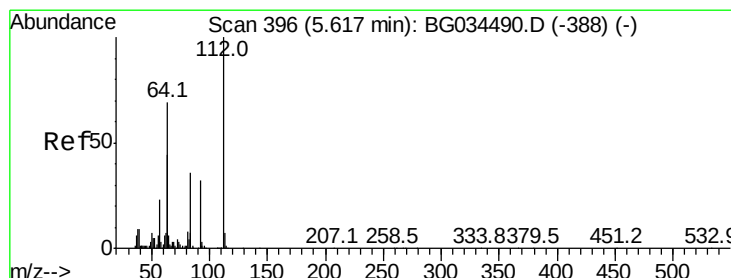
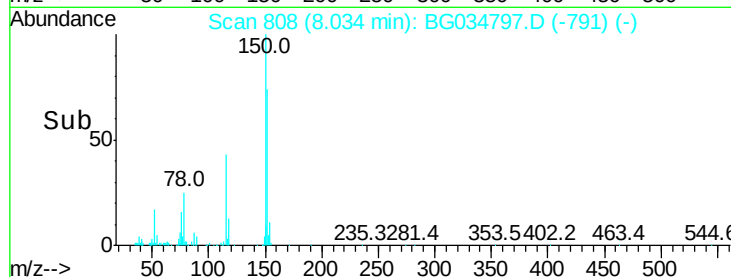
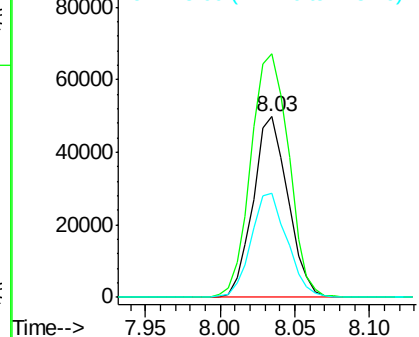
Tot Ion	Ratio	Lower	Upper
152	100		
150	135.1	126.6	189.8
115	57.7	53.0	79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

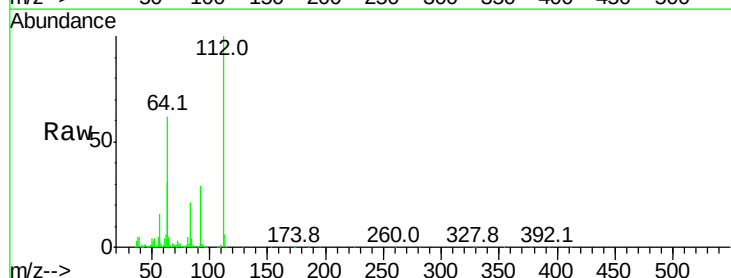
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 135.733 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG034797.D
Acq: 30 May 2018 4:35

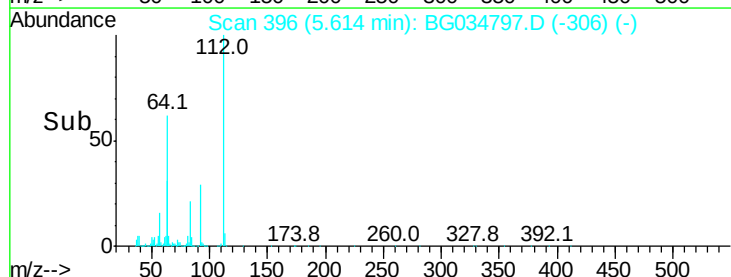
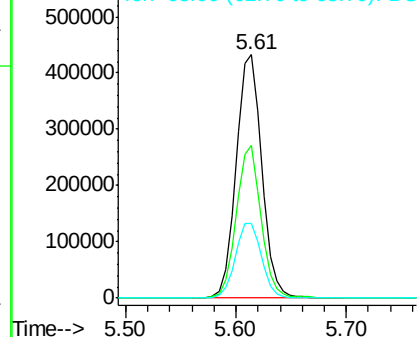
Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	56.3	84.5
63	30.7	30.1	45.1

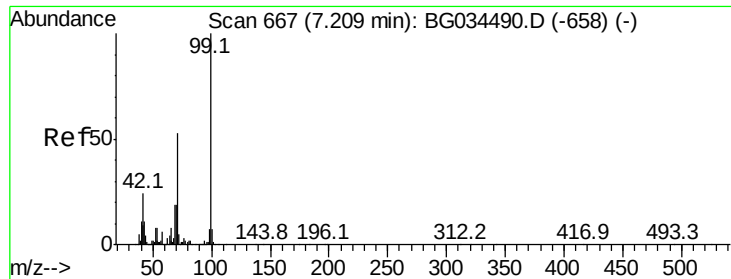


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 108.534 ng

RT: 7.20 min Scan# 666

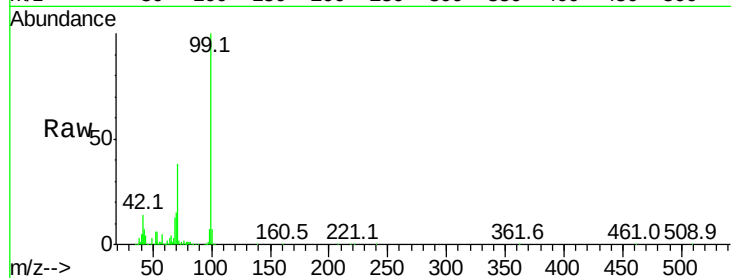
Delta R.T. -0.01 min

Lab File: BG034797.D

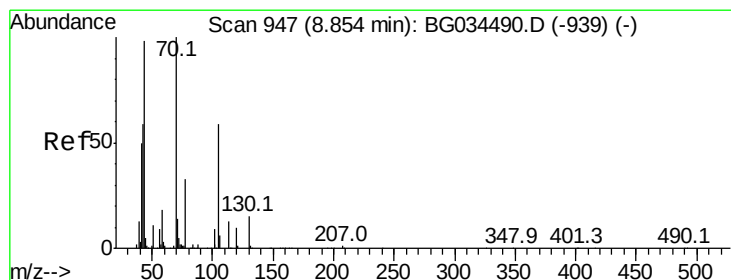
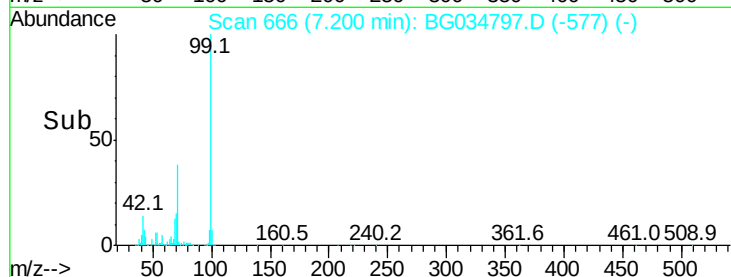
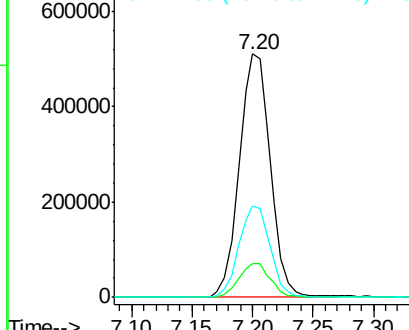
Acq: 30 May 2018 4:35

Tot Ion: 99 Resp: 914821

Ion	Ratio	Lower	Upper
99	100		
42	13.7	14.1	21.1#
71	37.6	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: 13.190 ng

RT: 9.20 min Scan# 1006

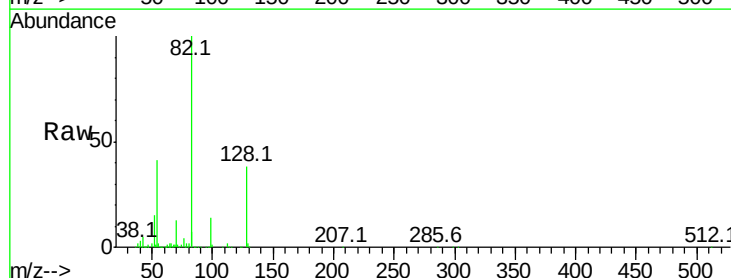
Delta R.T. 0.35 min

Lab File: BG034797.D

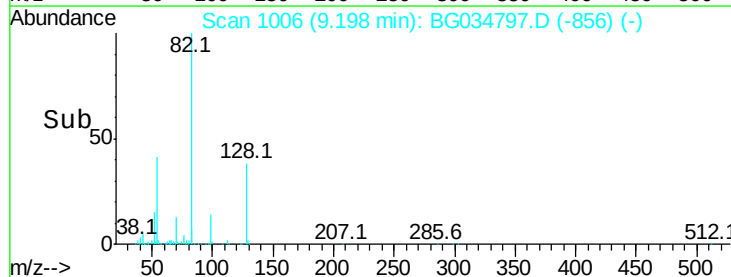
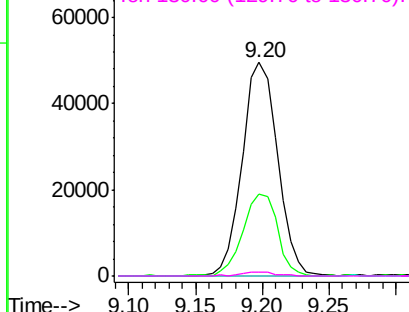
Acq: 30 May 2018 4:35

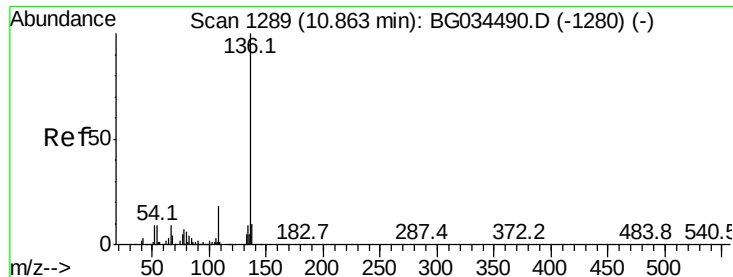
Tgt Ion: 70 Resp: 91060

Ion	Ratio	Lower	Upper
70	100		
42	38.3	49.1	73.7#
101	0.0	8.5	12.7#
130	1.6	13.4	20.0#



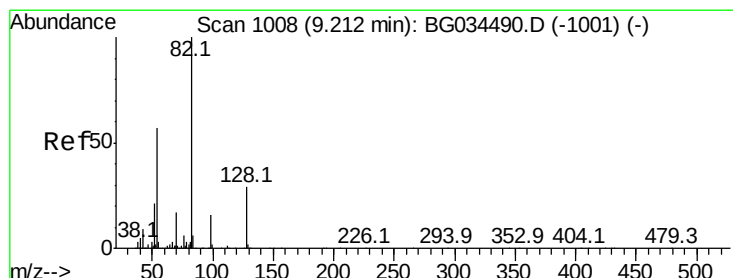
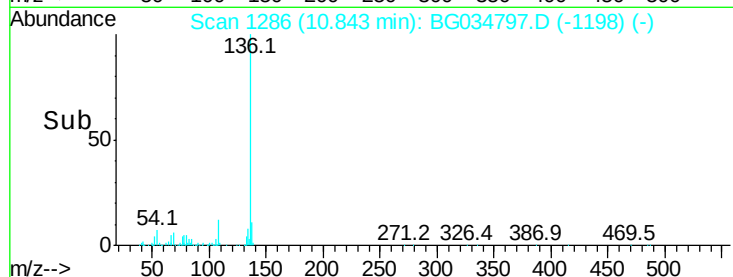
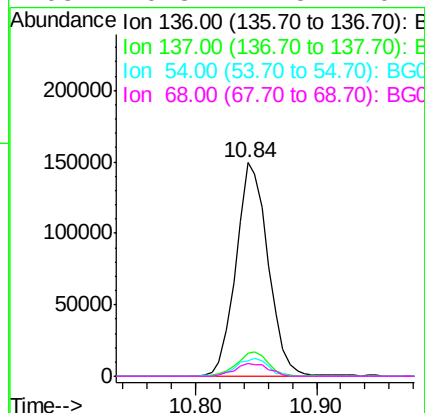
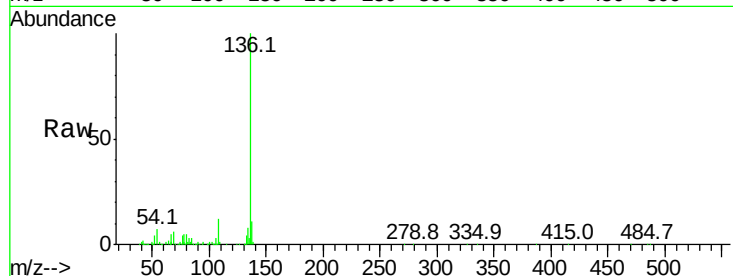
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





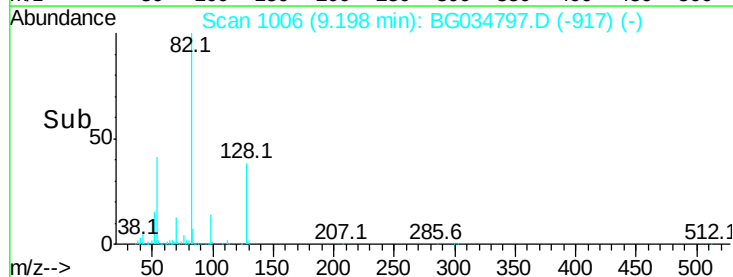
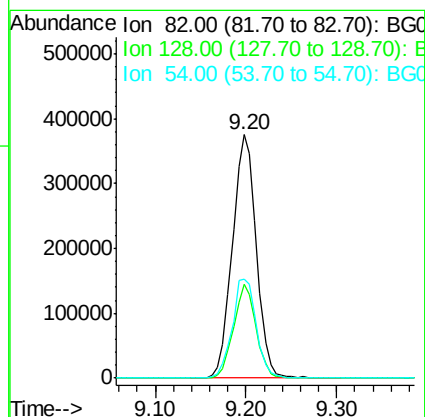
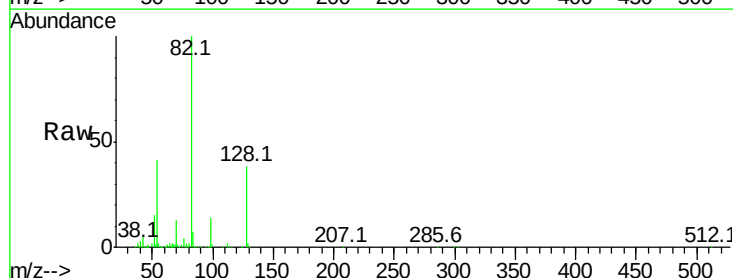
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG034797.D
Acq: 30 May 2018 4:35

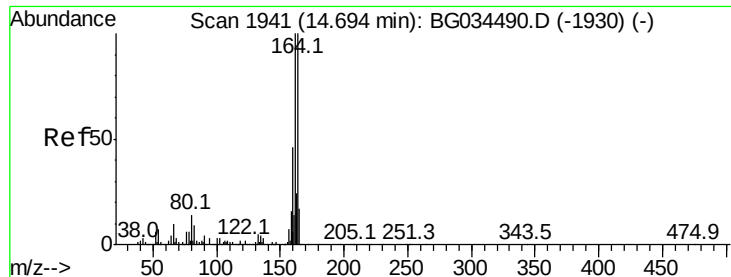
Tot Ion:136	Resp:	277396
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	7.4	10.3 15.5#
68	6.3	4.5 6.7



#23
Nitrobenzene-d5
Concen: 94.869 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG034797.D
Acq: 30 May 2018 4:35

Tgt Ion: 82	Resp:	688900
Ion Ratio	Lower	Upper
82	100	
128	38.3	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: BG034797.D

Acq: 30 May 2018 4:35

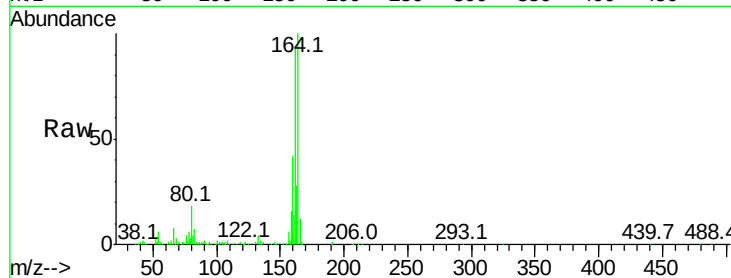
Tot Ion:164 Resp: 187281

Ion Ratio Lower Upper

164 100

162 93.8 78.8 118.2

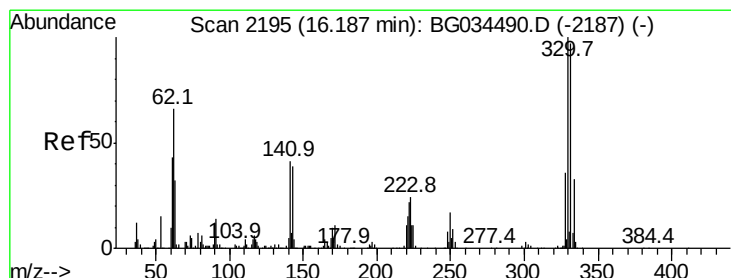
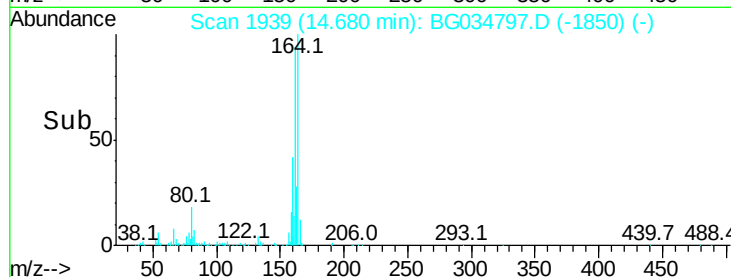
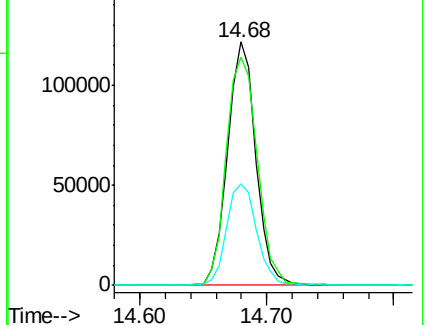
160 41.7 35.4 53.0



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: 162.449 ng

RT: 16.18 min Scan# 2194

Delta R.T. -0.01 min

Lab File: BG034797.D

Acq: 30 May 2018 4:35

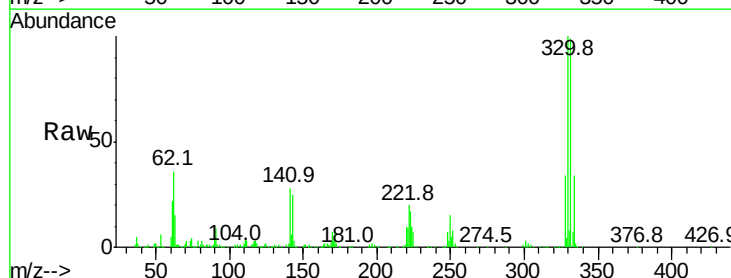
Tgt Ion:330 Resp: 523978

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

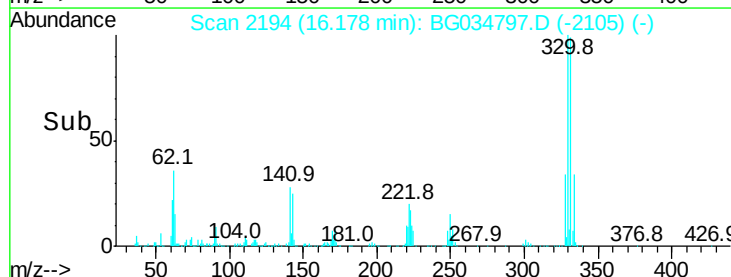
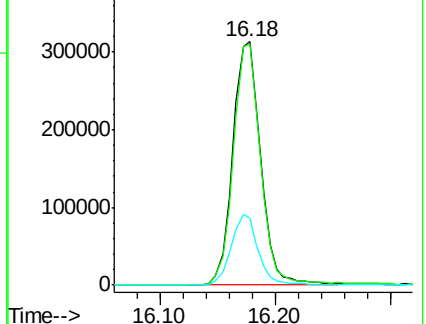
141 28.0 25.2 37.8

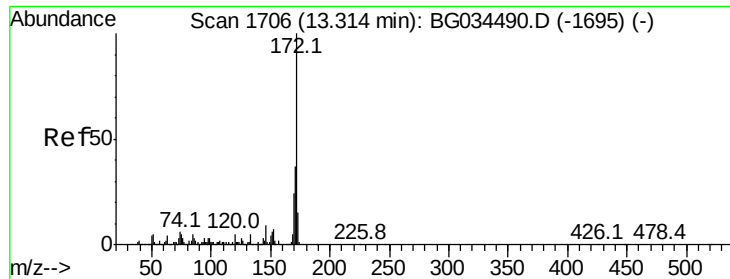


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

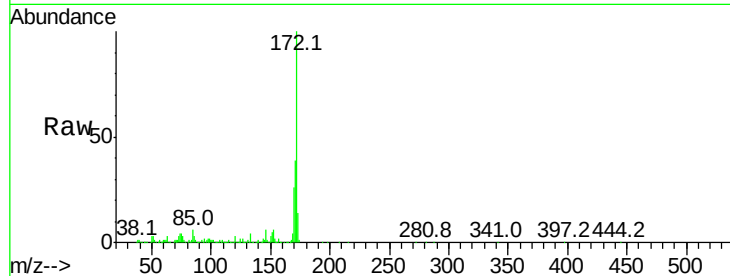




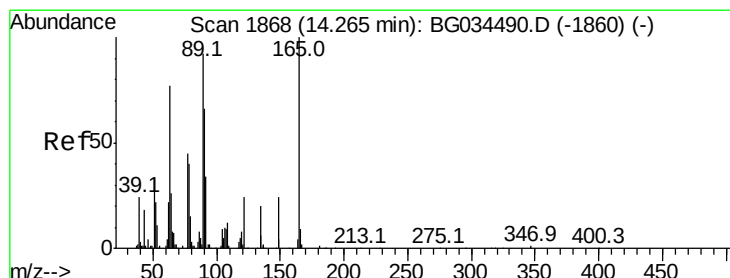
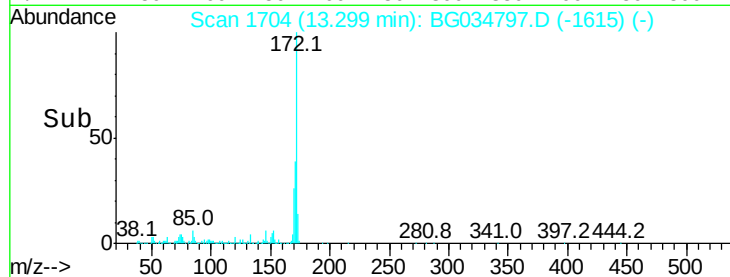
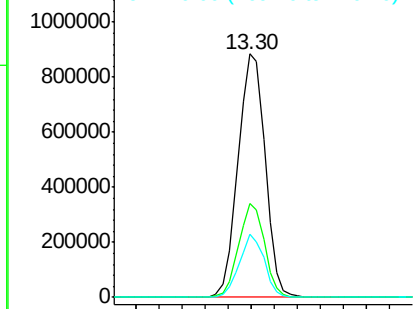
#44
 2-Fluorobiphenyl
 Concen: 104.629 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG034797.D
 Acq: 30 May 2018 4:35

Tot Ion:172 Resp: 1443334

Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.0	45.0
170	26.0	19.5	29.3



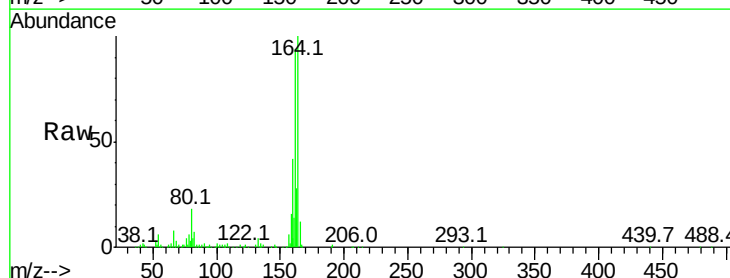
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



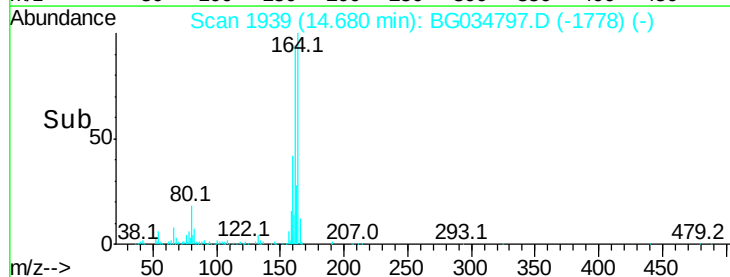
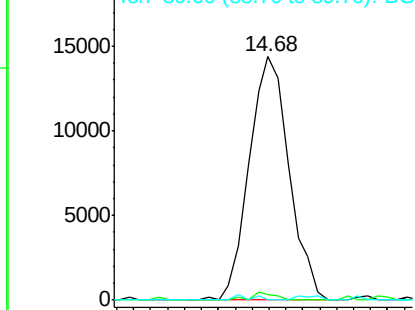
#50
 2,6-Dinitrotoluene
 Concen: 7.120 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.42 min
 Lab File: BG034797.D
 Acq: 30 May 2018 4:35

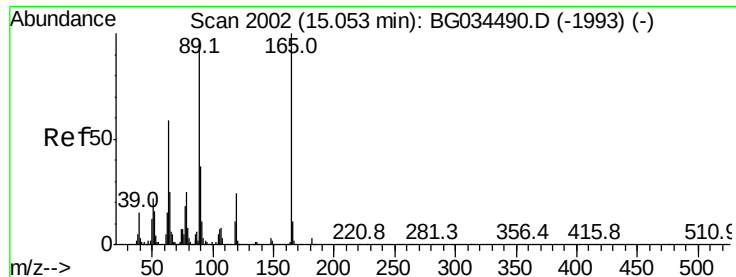
Tgt Ion:165 Resp: 23604

Ion	Ratio	Lower	Upper
165	100		
63	2.1	52.7	79.1#
89	0.0	49.2	73.8#



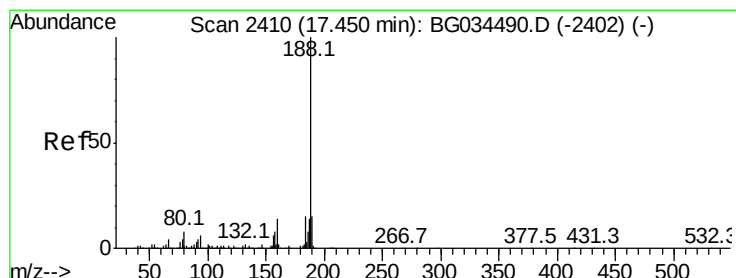
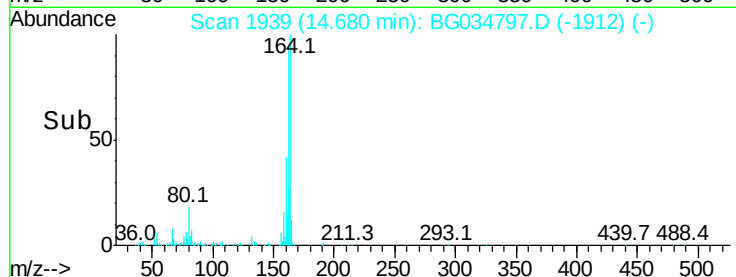
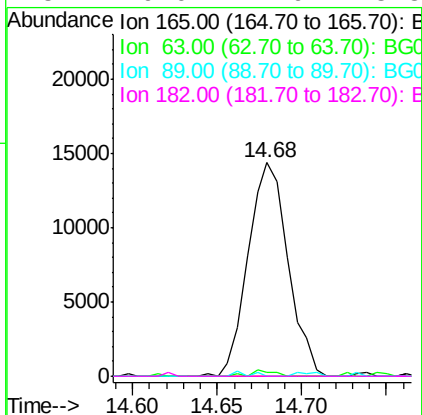
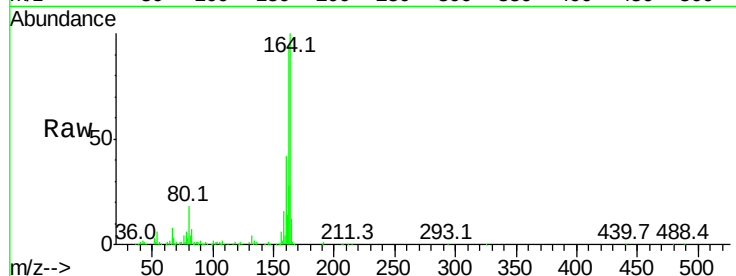
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0





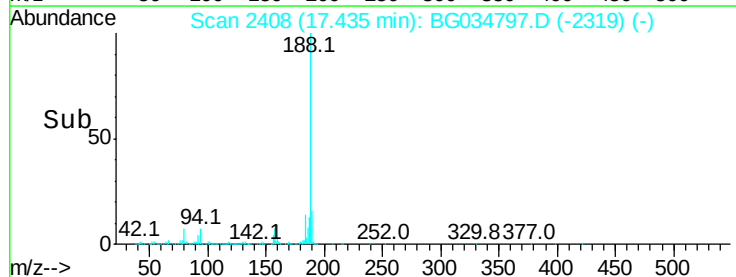
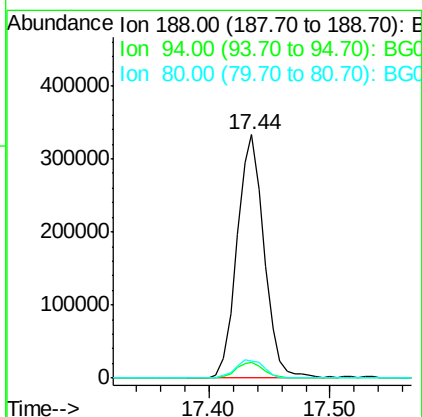
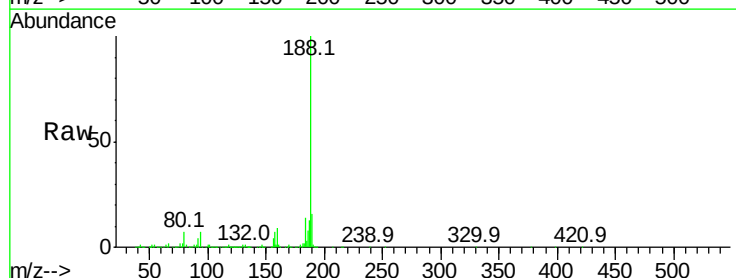
#56
2,4-Dinitrotoluene
Concen: 4.797 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.37 min
Lab File: BG034797.D
Acq: 30 May 2018 4:35

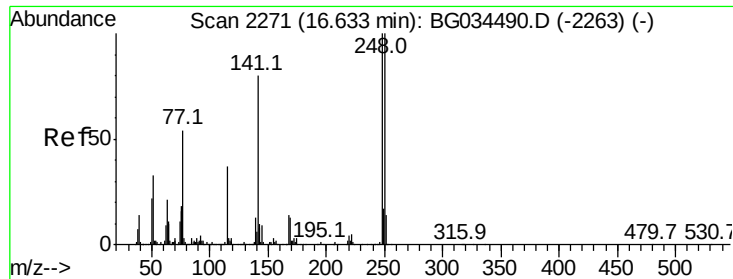
Tot Ion:	165	Resp:	23604
Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BG034797.D
Acq: 30 May 2018 4:35

Tgt Ion:	188	Resp:	520414
Ion	Ratio	Lower	Upper
188	100		
94	6.6	6.9	10.3#
80	6.8	7.7	11.5#





#66

4-Bromophenyl-phenylether

Concen: 5.562 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG034797.D

Acq: 30 May 2018 4:35

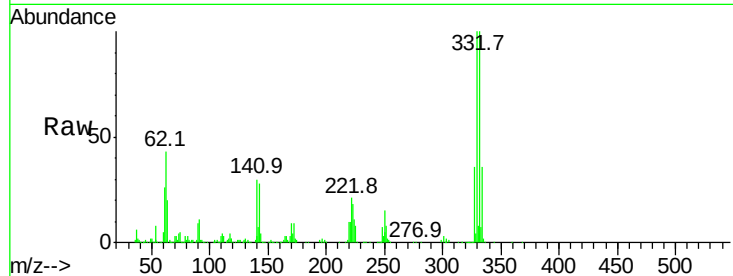
Tot Ion:248 Resp: 38093

Ion Ratio Lower Upper

248 100

250 212.0 77.1 115.7#

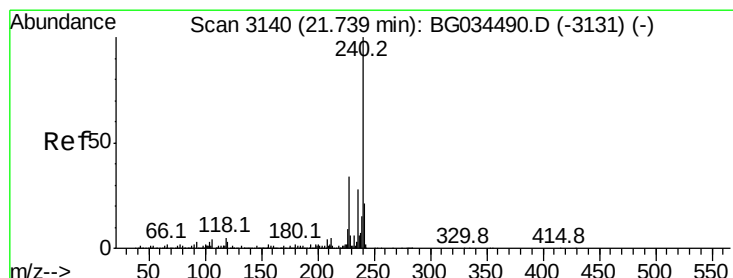
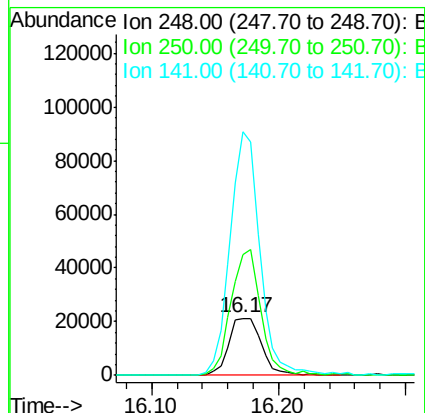
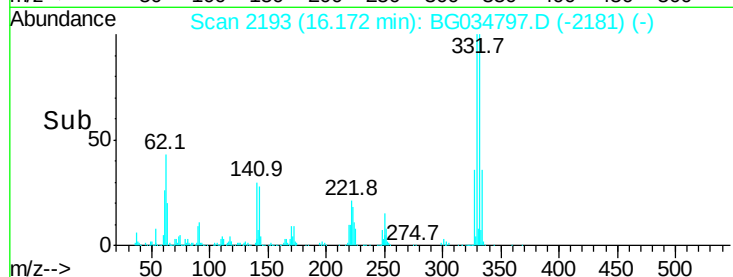
141 428.0 50.8 76.2#



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: BG034797.D

Acq: 30 May 2018 4:35

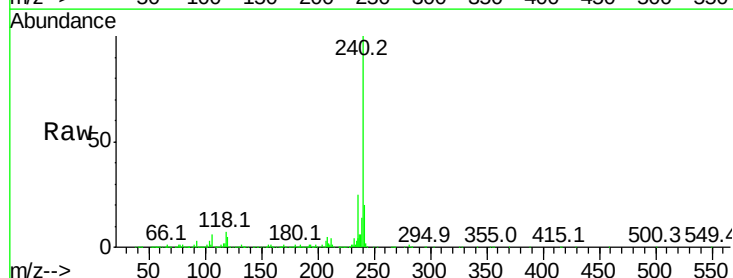
Tgt Ion:240 Resp: 625668

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

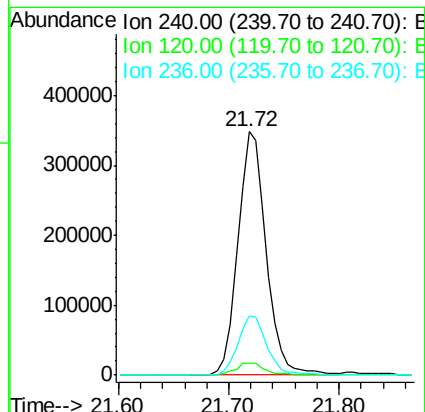
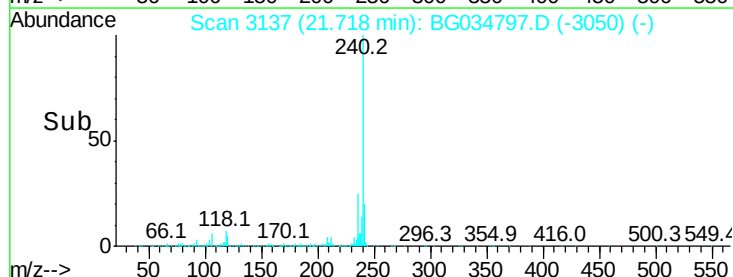
236 24.6 20.9 31.3

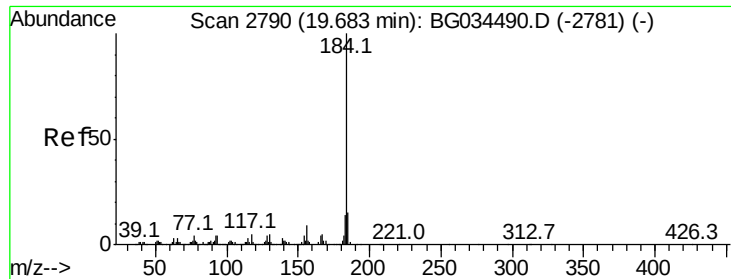


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 5.195 ng

RT: 19.69 min Scan# 2792

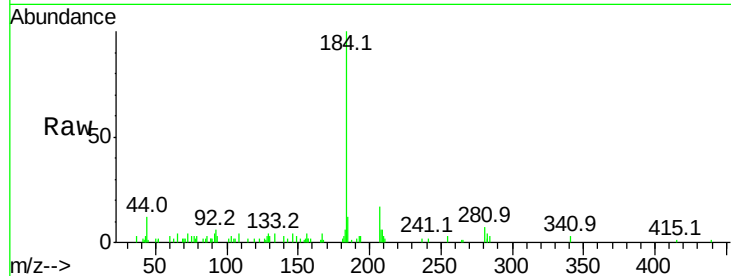
Delta R.T. 0.01 min

Lab File: BG034797.D

Acq: 30 May 2018 4:35

Tot Ion:184 Resp: 32807

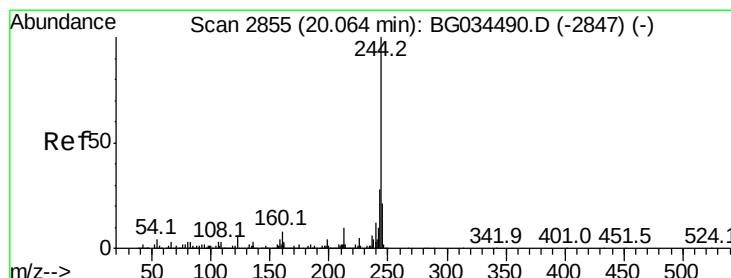
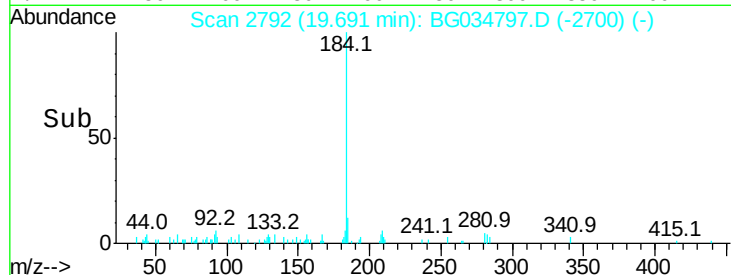
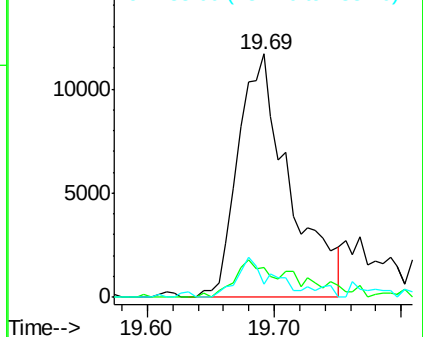
Ion	Ratio	Lower	Upper
184	100		
185	12.4	11.1	16.7
183	5.6	10.6	16.0



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: 102.086 ng

RT: 20.05 min Scan# 2853

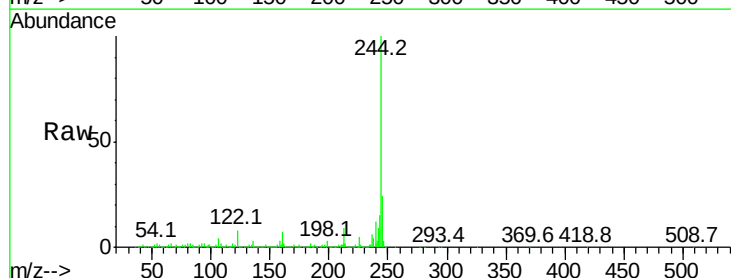
Delta R.T. -0.01 min

Lab File: BG034797.D

Acq: 30 May 2018 4:35

Tgt Ion:244 Resp: 2912600

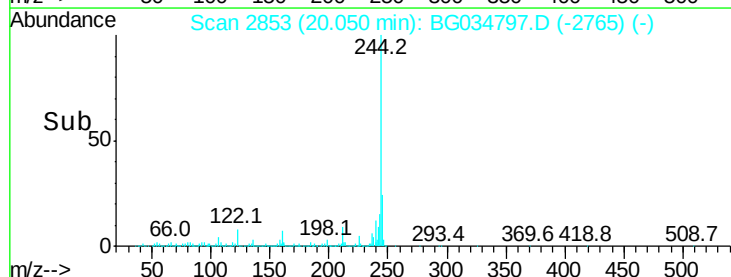
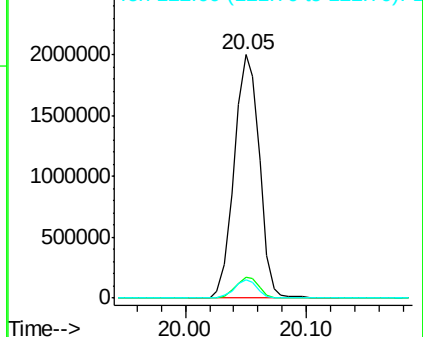
Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.8	8.8
122	7.6	7.0	10.4

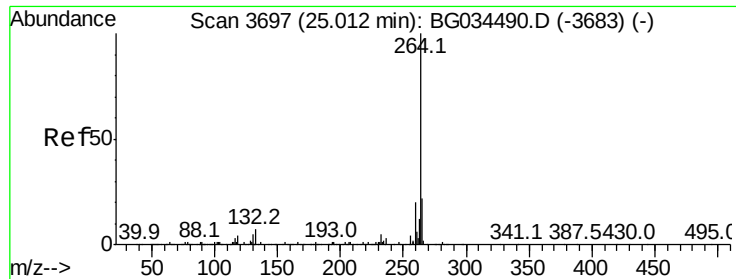


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.99 min Scan# 3693
Delta R.T. -0.02 min
Lab File: BG034797.D
Acq: 30 May 2018 4:35

Tot Ion:	264	Resp:	628624
Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	21.5	17.7	26.5

