

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034789.D
 Acq On : 29 May 2018 22:48
 Operator : SJ/JU
 Sample : J3157-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

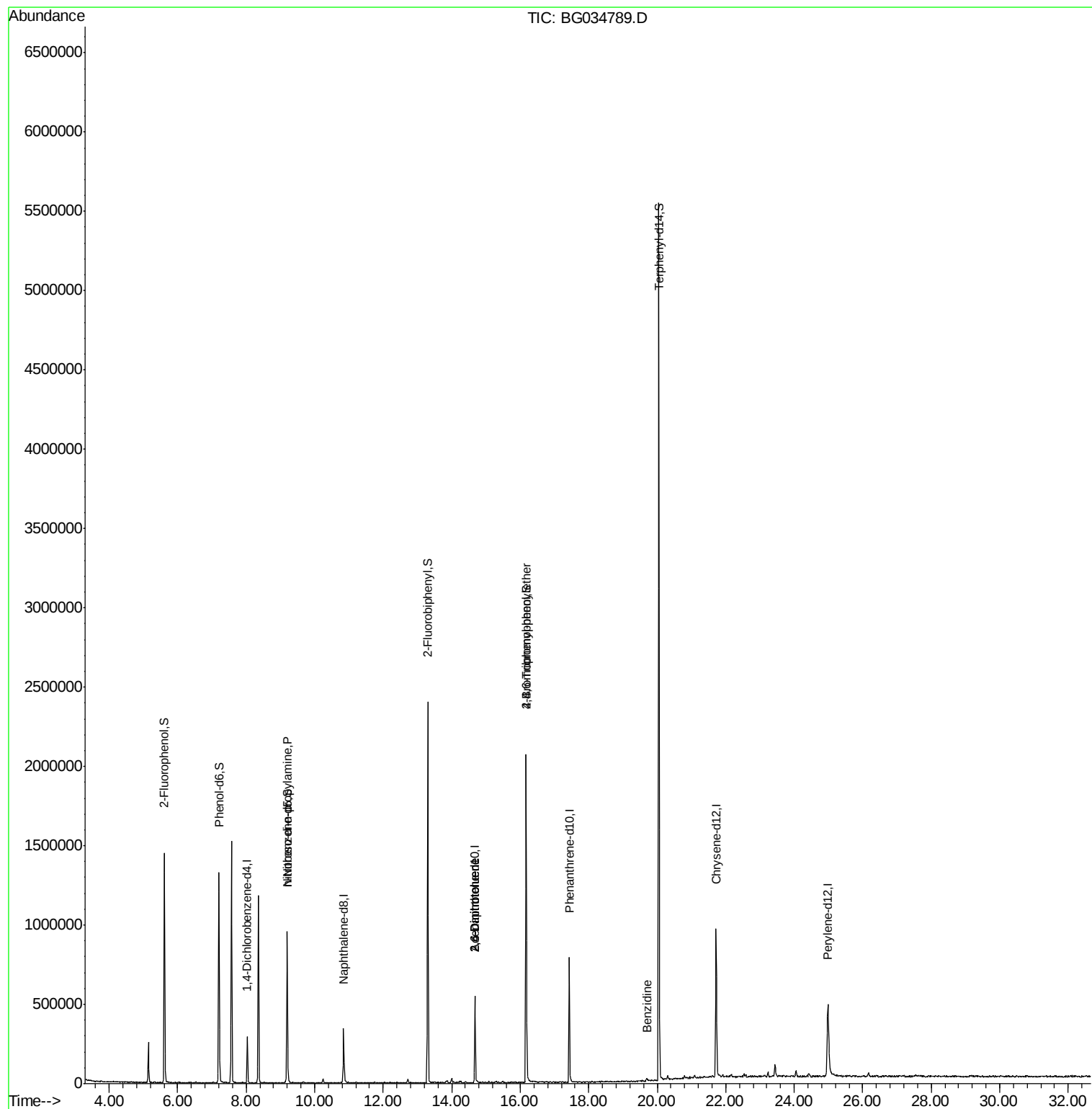
Quant Time: May 30 04:23:09 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

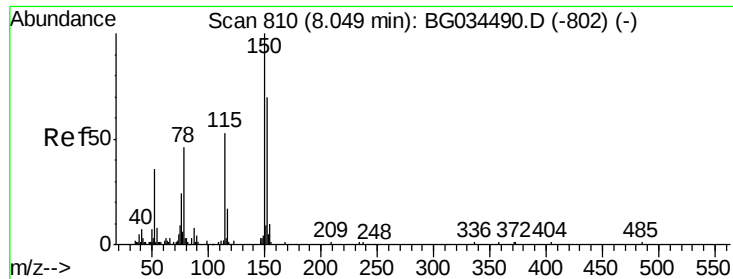
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	84054	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	301228	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	200569	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	540562	20.00	ng	0.00
75) Chrysene-d12	21.72	240	651842	20.00	ng	-0.02
86) Perylene-d12	24.98	264	647004	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	671502	123.05	ng	0.00
7) Phenol-d6	7.20	99	859820	97.40	ng	0.00
23) Nitrobenzene-d5	9.20	82	656393	83.24	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	461656	133.65	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1363220	92.27	ng	0.00
78) Terphenyl-d14	20.05	244	2749548	92.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	91112	12.60	ng	# 64
50) 2,6-Dinitrotoluene	14.68	165	24706	6.96	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	24706	4.69	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	32123	4.52	ng	# 1
76) Benzidine	19.69	184	15193	4.21	ng	# 95

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

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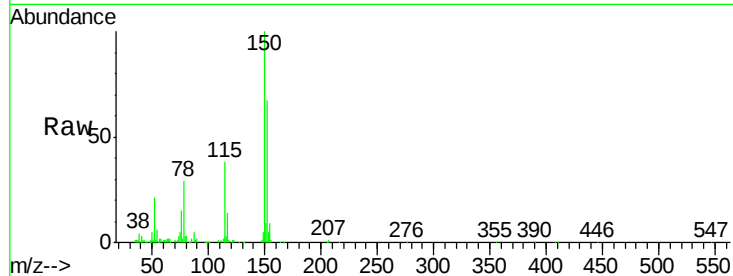




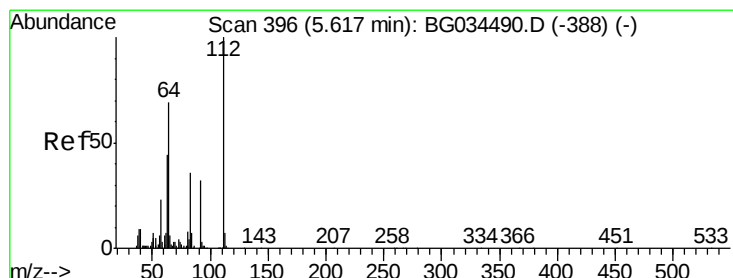
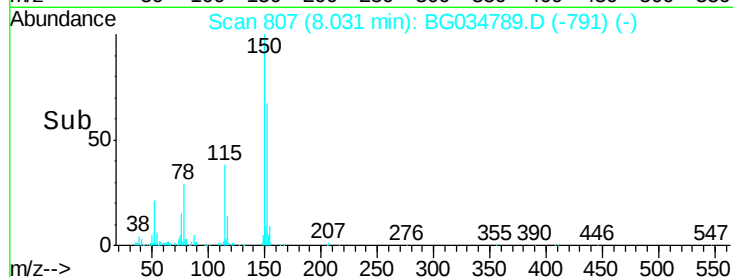
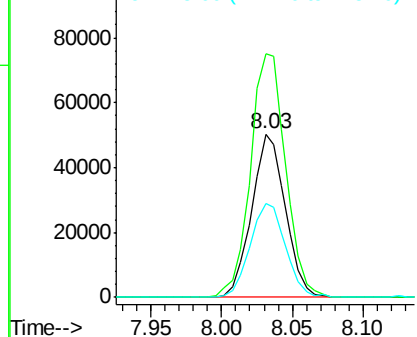
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.00 min
Lab File: BG034789.D
Acq: 29 May 2018 22:48

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.4	126.6	189.8
115	57.4	53.0	79.4



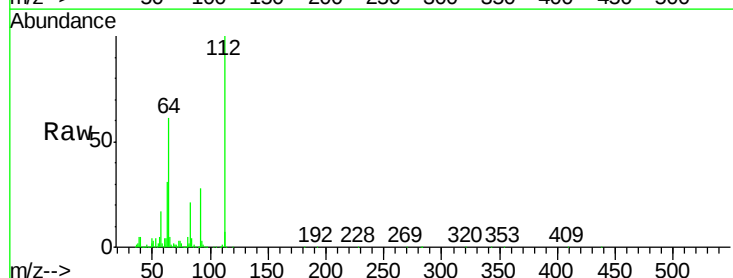
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



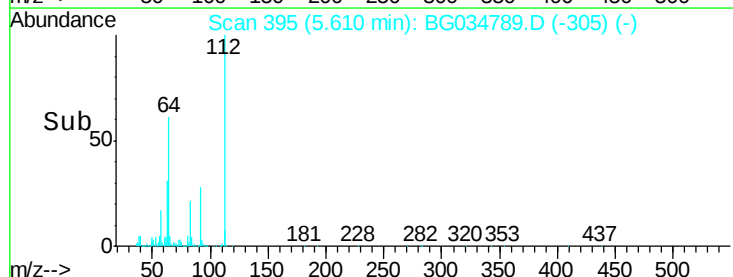
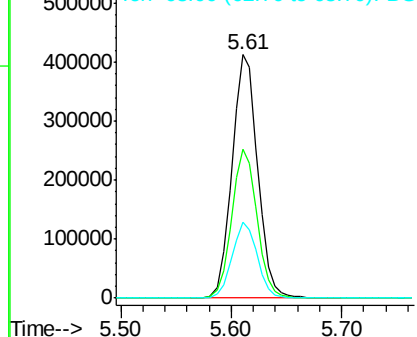
#5

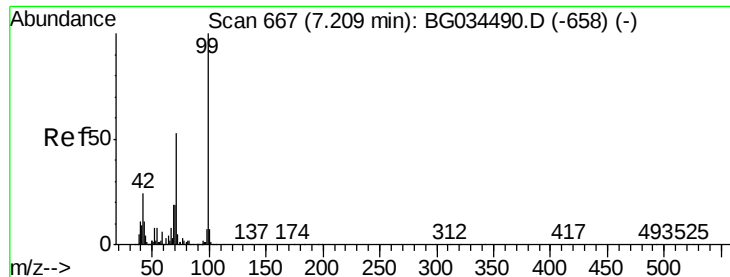
2-Fluorophenol
Concen: 123.05 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG034789.D
Acq: 29 May 2018 22:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	56.3	84.5
63	31.2	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: 97.40 ng

RT: 7.20 min Scan# 666

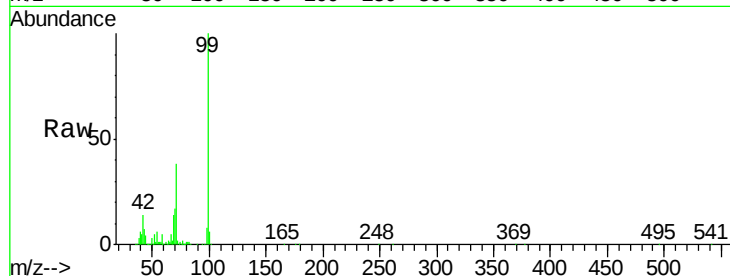
Delta R.T. -0.00 min

Lab File: BG034789.D

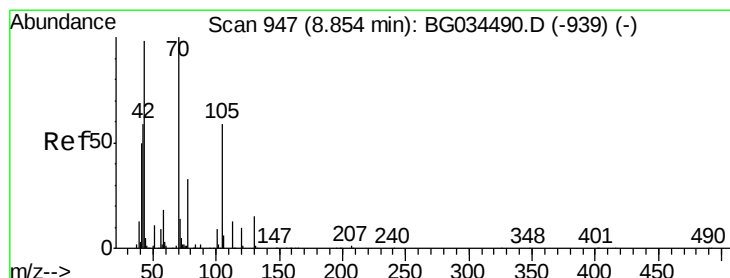
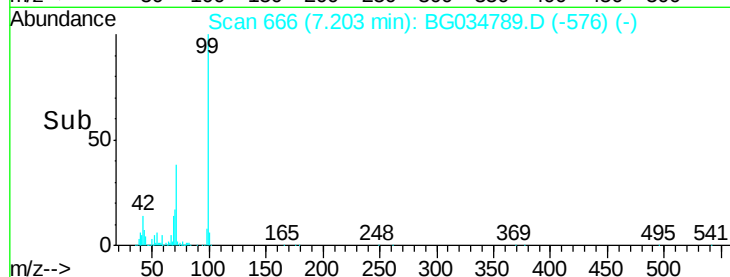
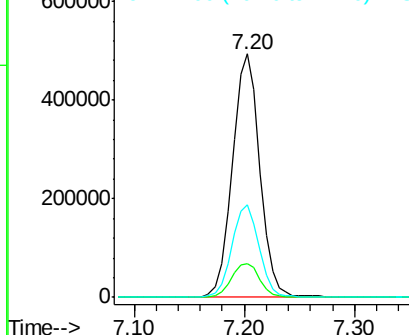
Acq: 29 May 2018 22:48

Tot Ion: 99 Resp: 859820

Ion	Ratio	Lower	Upper
99	100		
42	13.7	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: 12.60 ng

RT: 9.20 min Scan# 1006

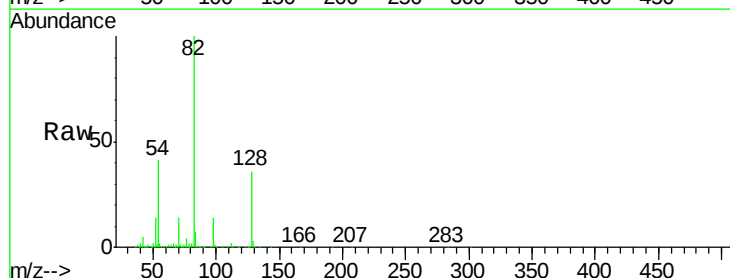
Delta R.T. 0.35 min

Lab File: BG034789.D

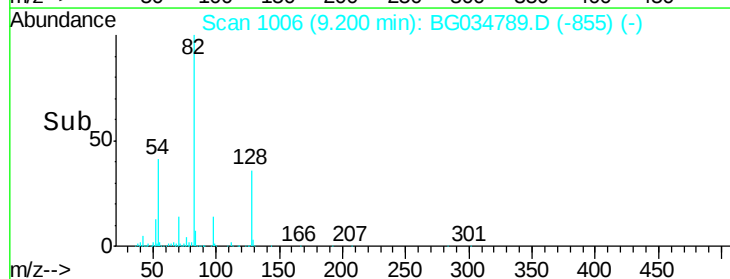
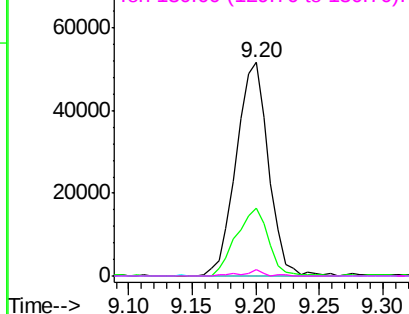
Acq: 29 May 2018 22:48

Tgt Ion: 70 Resp: 91112

Ion	Ratio	Lower	Upper
70	100		
42	32.1	49.1	73.7#
101	0.0	8.5	12.7#
130	3.2	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

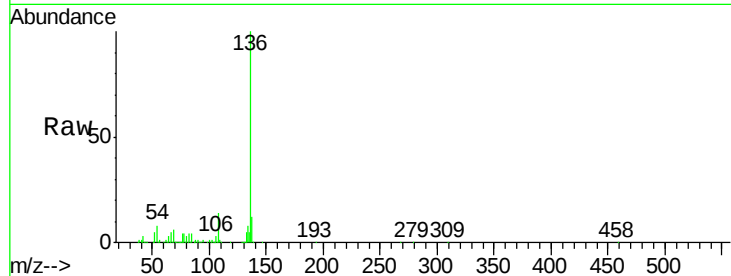
RT: 10.85 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG034789.D

Acq: 29 May 2018 22:48

Tot Ion:136	Resp:	301228
Ion	Ratio	Lower Upper
136	100	
137	12.1	9.2 13.8
54	7.9	10.3 15.5#
68	5.8	4.5 6.7

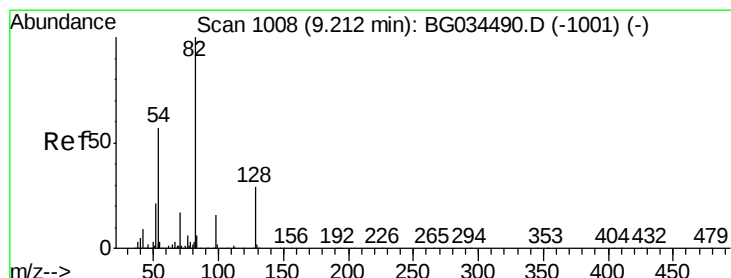
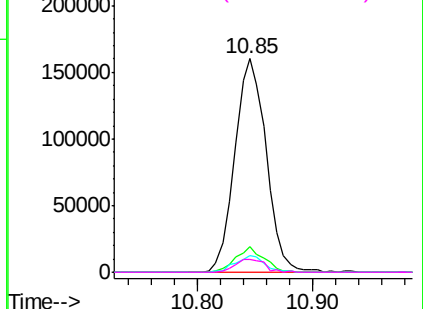
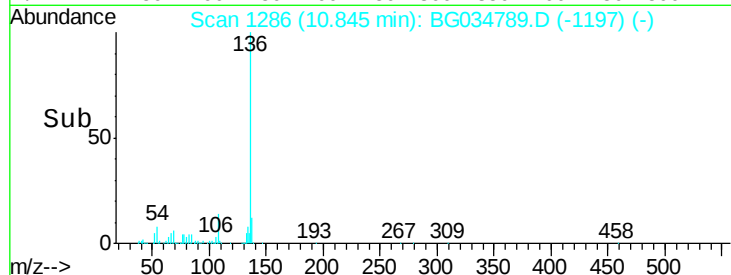


Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 83.24 ng

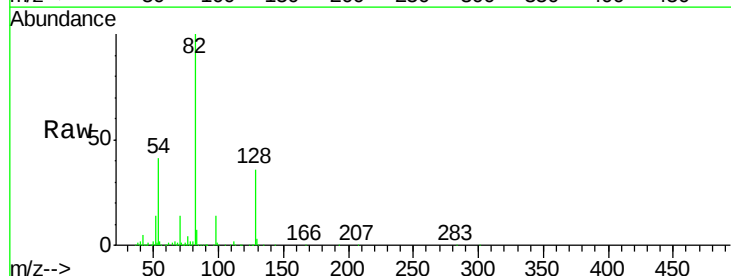
RT: 9.20 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BG034789.D

Acq: 29 May 2018 22:48

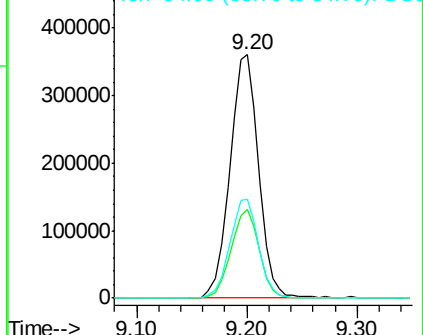
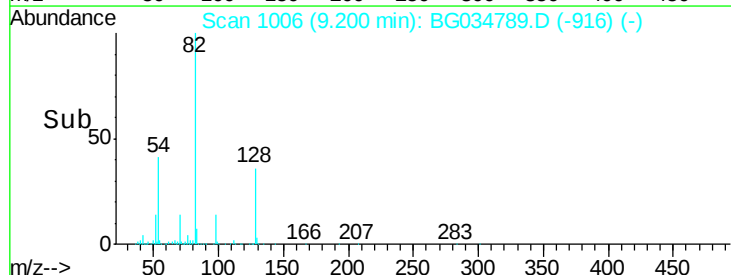
Tgt Ion: 82	Resp:	656393
Ion	Ratio	Lower Upper
82	100	
128	36.3	29.7 44.5
54	40.6	43.1 64.7#

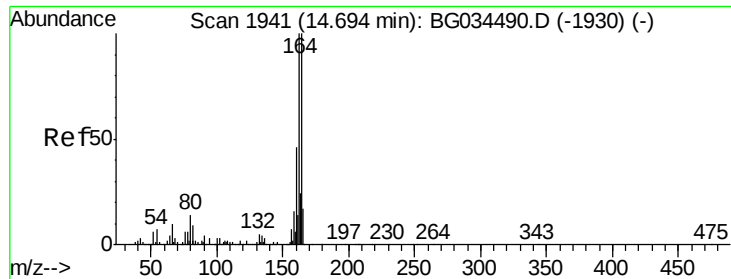


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

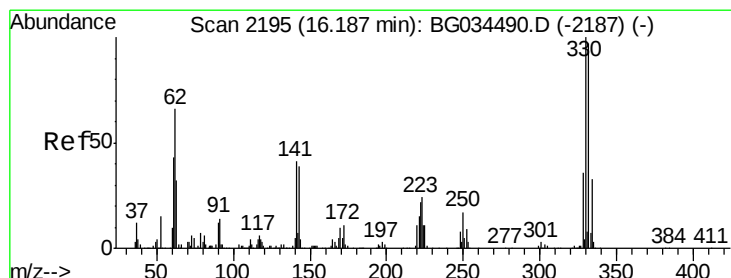
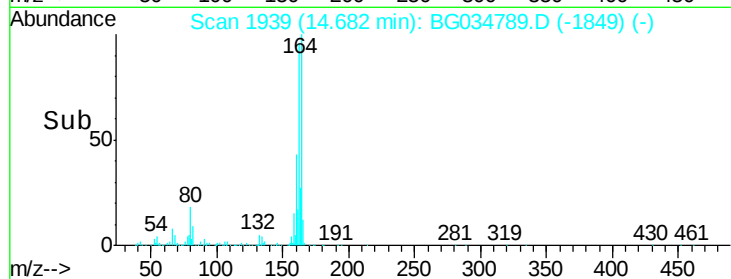
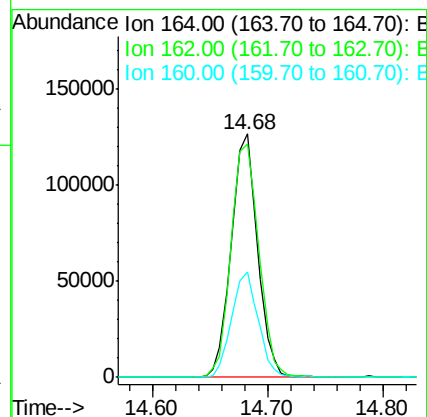
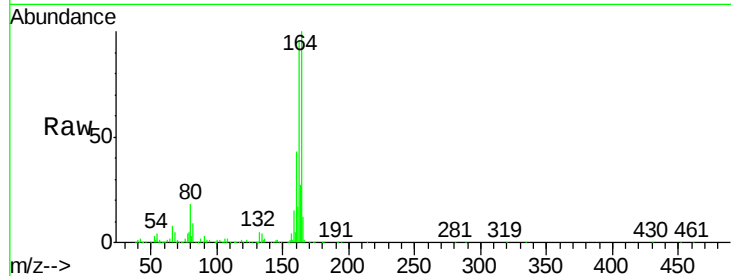
Ion 54.00 (53.70 to 54.70): BGC





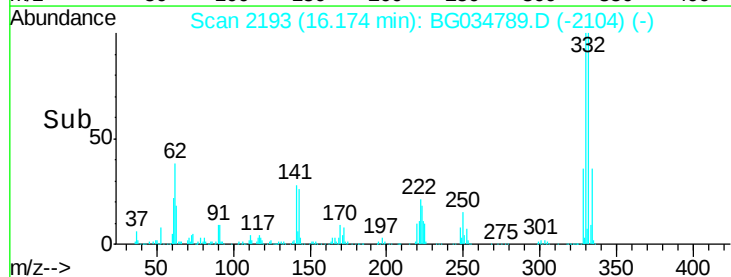
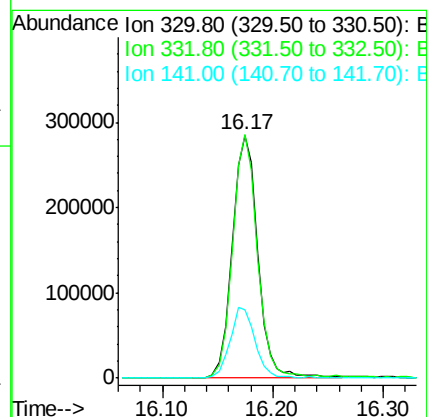
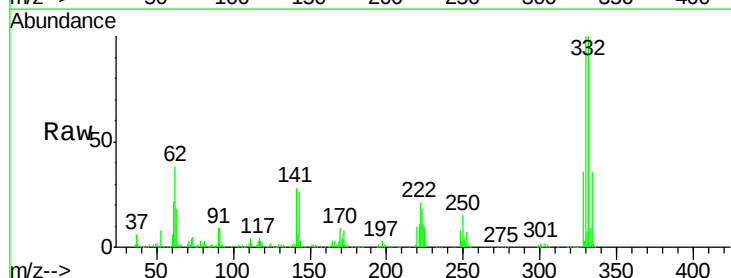
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BG034789.D
Acq: 29 May 2018 22:48

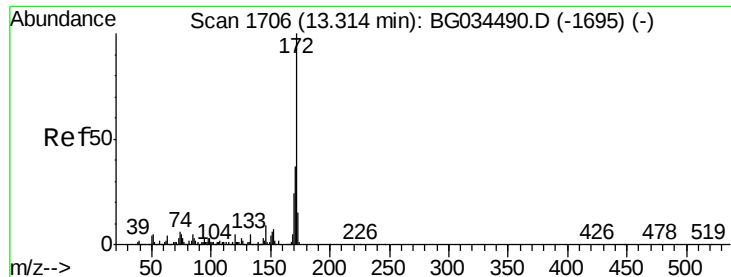
Tot Ion:164	Resp:	200569
Ion Ratio	Lower	Upper
164	100	
162	95.8	78.8 118.2
160	43.2	35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 133.65 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BG034789.D
Acq: 29 May 2018 22:48

Tgt Ion:330	Resp:	461656
Ion Ratio	Lower	Upper
330	100	
332	97.2	77.0 115.6
141	28.4	25.2 37.8

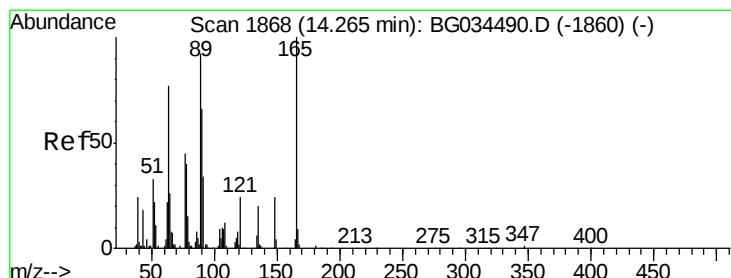
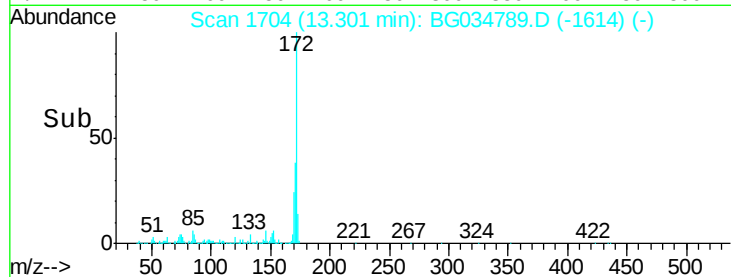
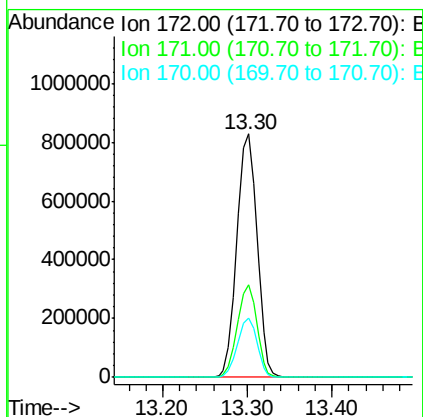
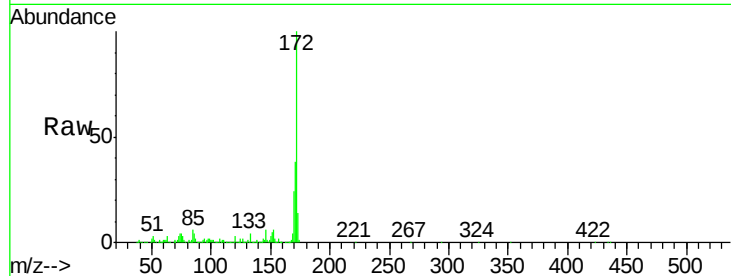




#44
 2-Fluorobiphenyl
 Concen: 92.27 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG034789.D
 Acq: 29 May 2018 22:48

Tot Ion:172 Resp: 1363220

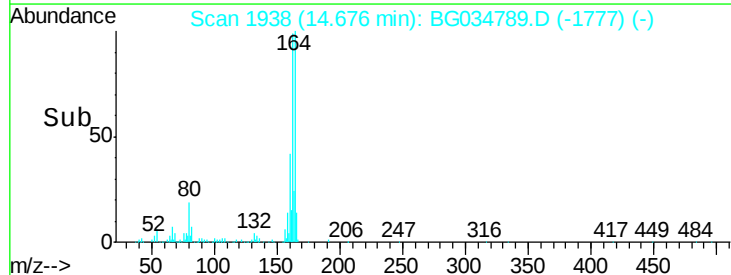
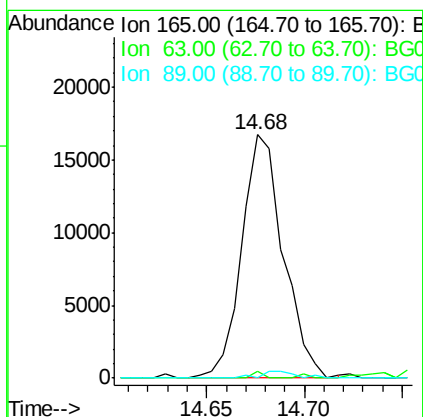
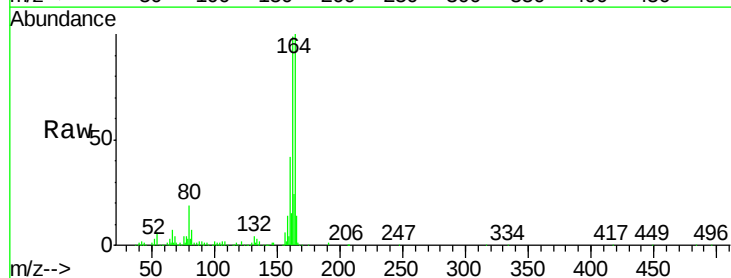
Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	24.2	19.5	29.3

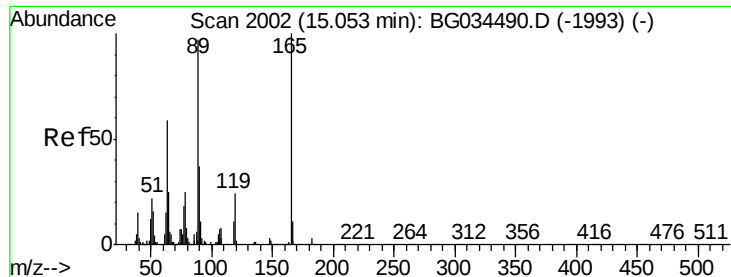


#50
 2,6-Dinitrotoluene
 Concen: 6.96 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. 0.41 min
 Lab File: BG034789.D
 Acq: 29 May 2018 22:48

Tgt Ion:165 Resp: 24706

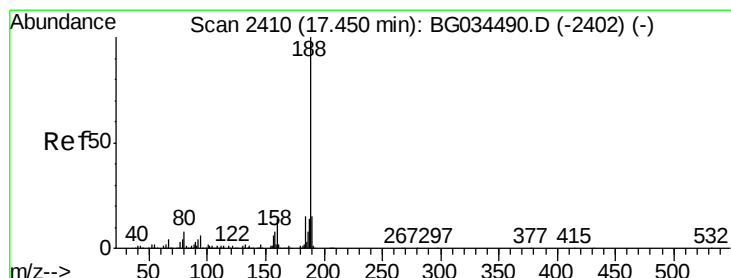
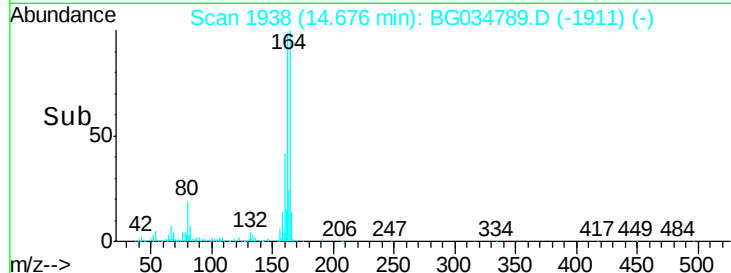
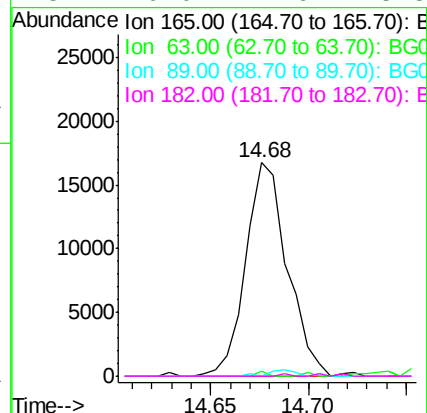
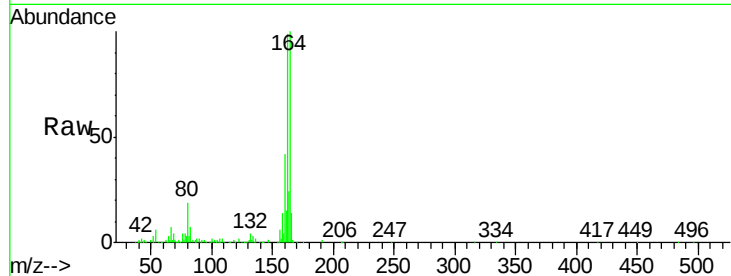
Ion	Ratio	Lower	Upper
165	100		
63	2.7	52.7	79.1#
89	0.0	49.2	73.8#





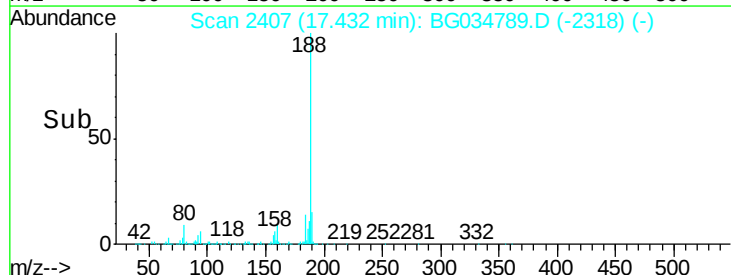
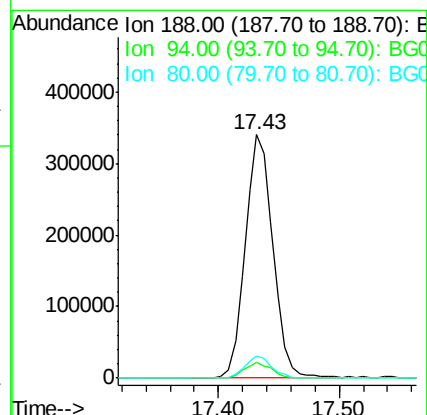
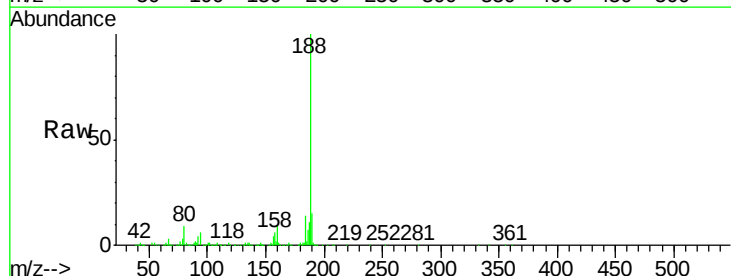
#56
2,4-Dinitrotoluene
Concen: 4.69 ng
RT: 14.68 min Scan# 1938
Delta R.T. -0.37 min
Lab File: BG034789.D
Acq: 29 May 2018 22:48

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	42.0	63.0#
89	0.0	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: BG034789.D
Acq: 29 May 2018 22:48

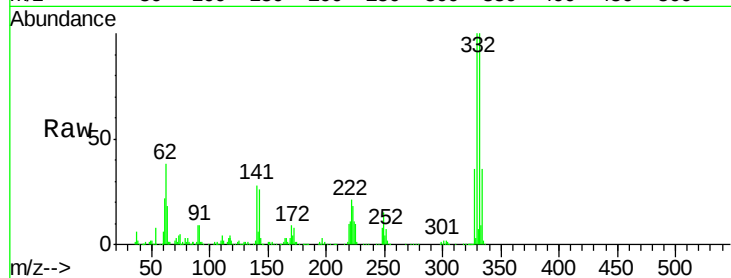
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	6.9	10.3#
80	8.9	7.7	11.5



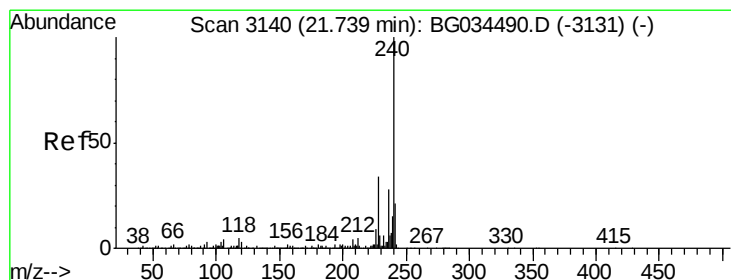
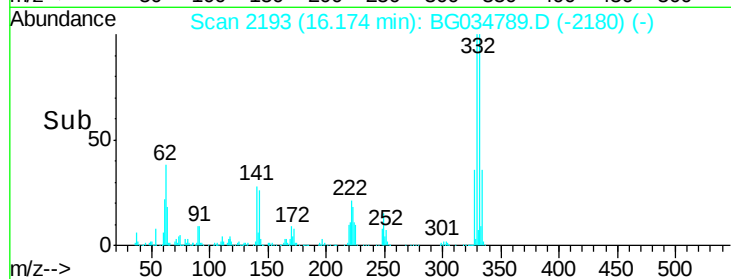
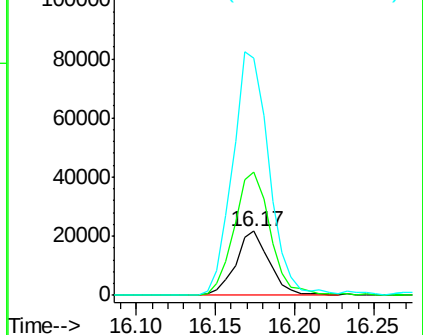


#66
 4-Bromophenyl-phenylether
 Concen: 4.52 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.46 min
 Lab File: BG034789.D
 Acq: 29 May 2018 22:48

Tot Ion	Ratio	Lower	Upper
248	100		
250	191.3	77.1	115.7#
141	369.6	50.8	76.2#

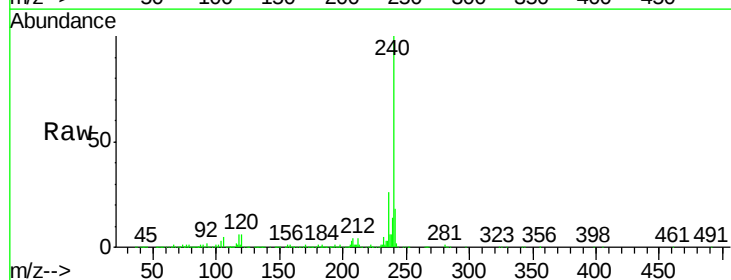


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

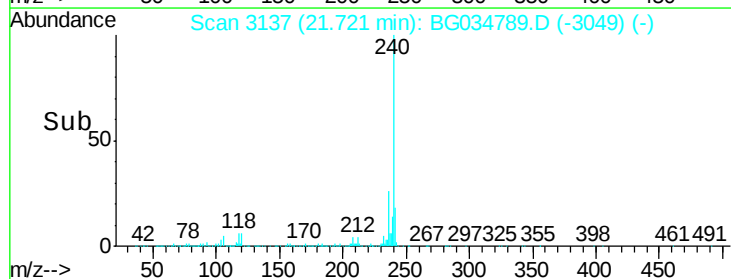
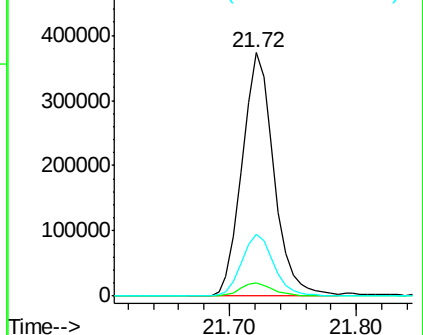


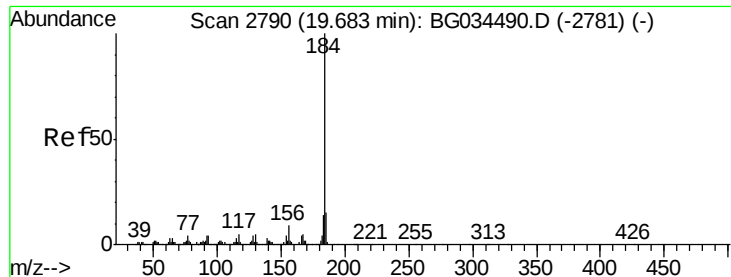
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.72 min Scan# 3137
 Delta R.T. -0.02 min
 Lab File: BG034789.D
 Acq: 29 May 2018 22:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	6.8	10.2#
236	25.6	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: 4.21 ng

RT: 19.69 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BG034789.D

Acq: 29 May 2018 22:48

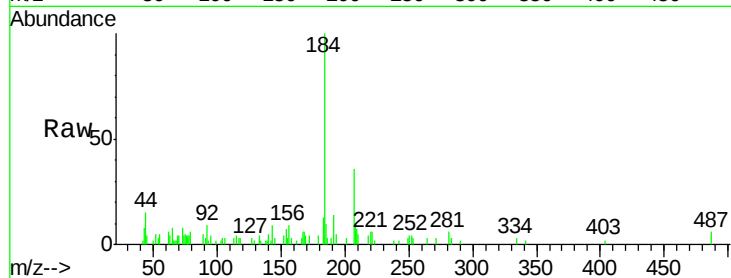
Tot Ion:184 Resp: 15193

Ion Ratio Lower Upper

184 100

185 10.3 11.1 16.7#

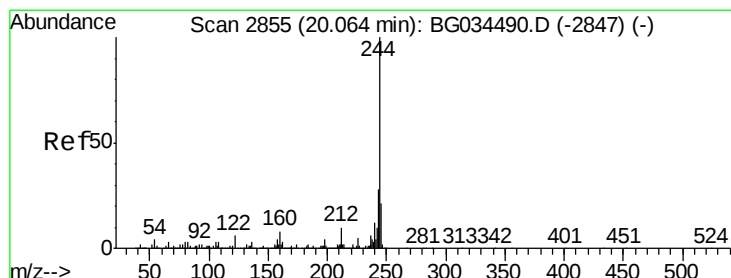
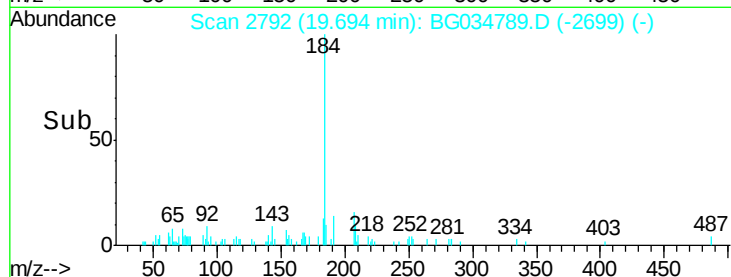
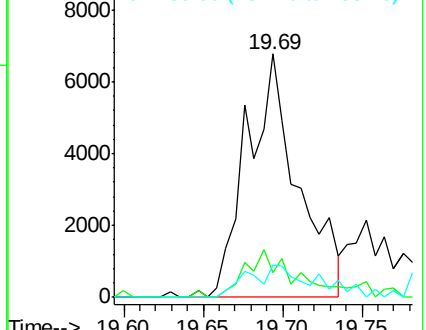
183 13.5 10.6 16.0



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: 92.50 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG034789.D

Acq: 29 May 2018 22:48

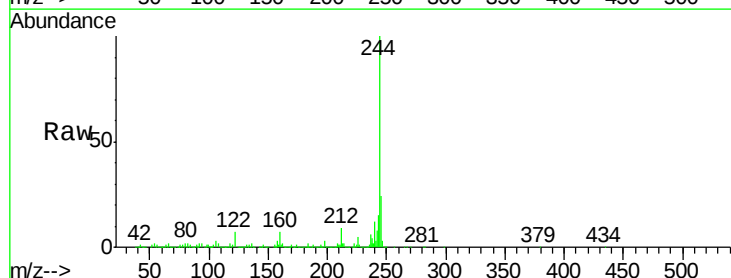
Tgt Ion:244 Resp: 2749548

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

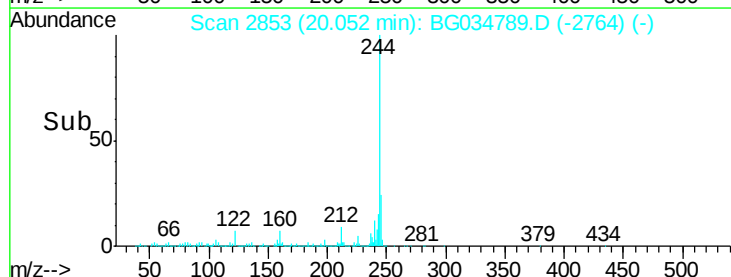
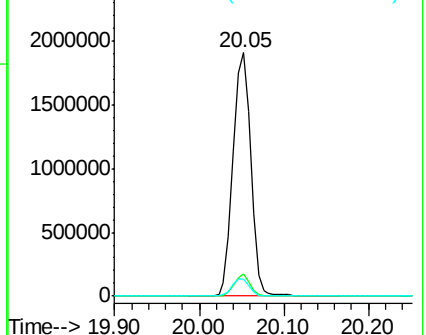
122 7.2 7.0 10.4

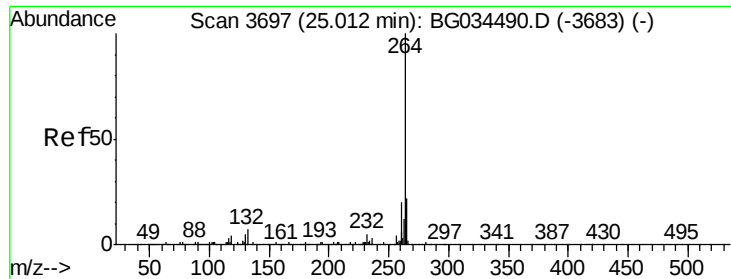


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG034789.D
 Acq: 29 May 2018 22:48

Tot	Ion:264	Resp:	647004
Ion	Ratio	Lower	Upper
264	100		
260	20.4	17.4	26.0
265	21.8	17.7	26.5

