

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034792.D
 Acq On : 30 May 2018 00:44
 Operator : SJ/JU
 Sample : J3174-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

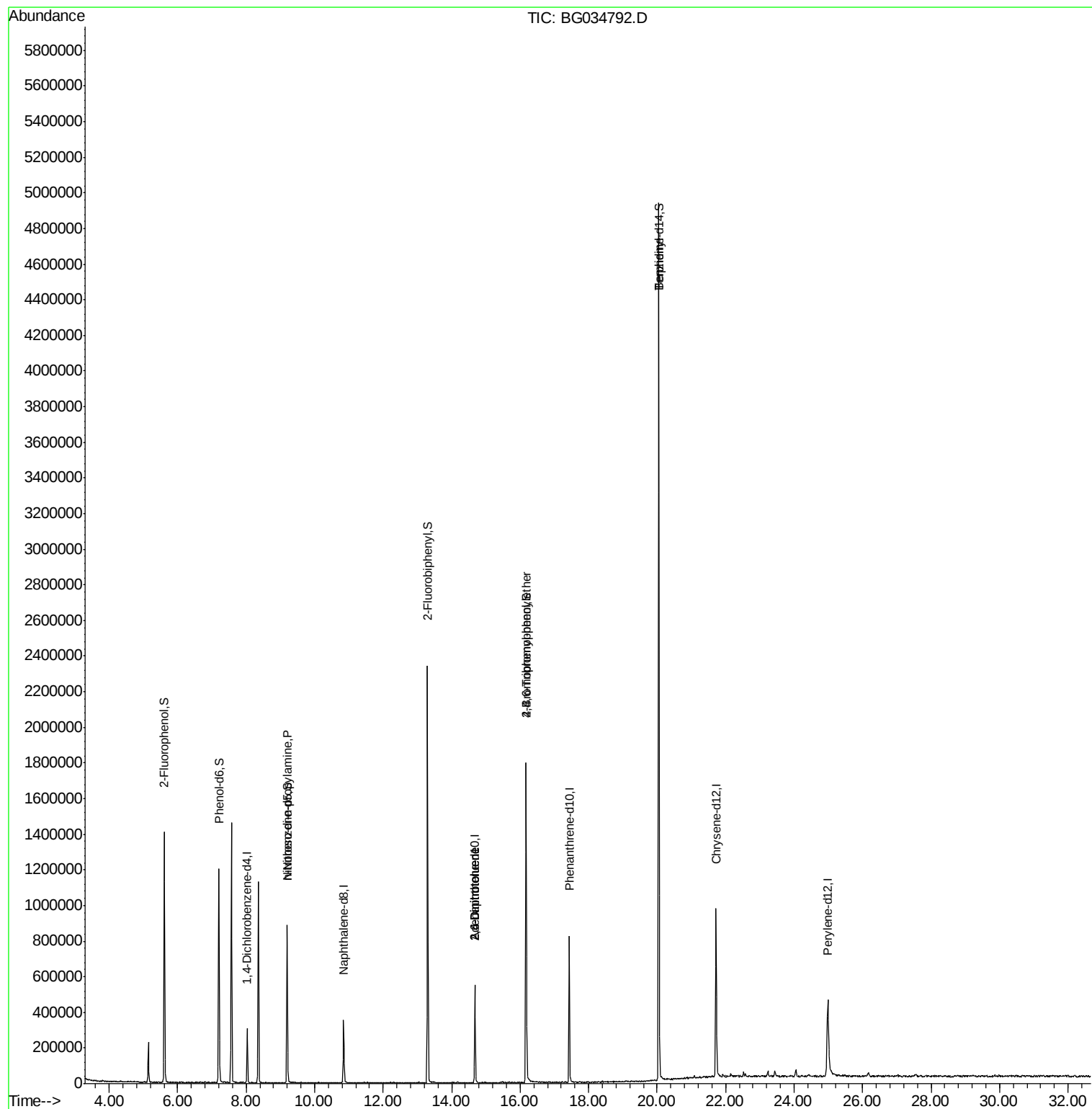
Quant Time: May 30 04:46:20 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

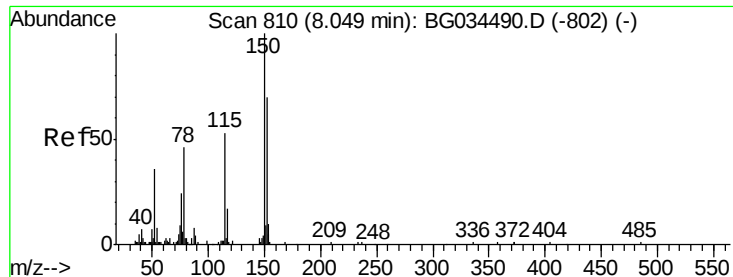
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	81161	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	303964	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	204049	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	548126	20.00	ng	0.00
75) Chrysene-d12	21.72	240	645469	20.00	ng	-0.01
86) Perylene-d12	24.98	264	636117	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	647899	122.95	ng	0.00
7) Phenol-d6	7.20	99	824005	96.67	ng	0.00
23) Nitrobenzene-d5	9.20	82	618289	77.70	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	419171	119.28	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1305271	86.85	ng	0.00
78) Terphenyl-d14	20.05	244	2556871	86.87	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	83247	11.92	ng	# 64
50) 2,6-Dinitrotoluene	14.68	165	25887	7.17	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	25887	4.83	ng	# 19
66) 4-Bromophenyl-phenylether	16.18	248	30689	4.25	ng	# 1
76) Benzidine	20.05	184	36358	5.33	ng	# 96

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

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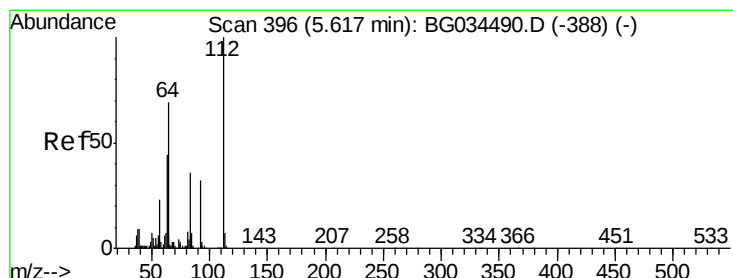
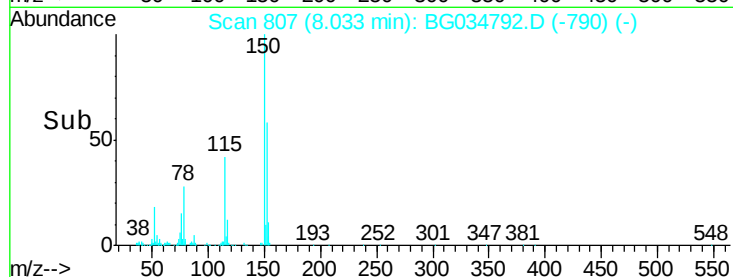
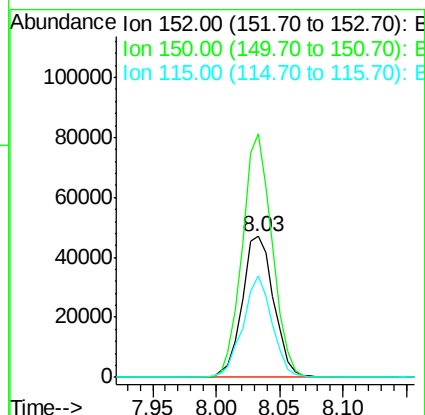
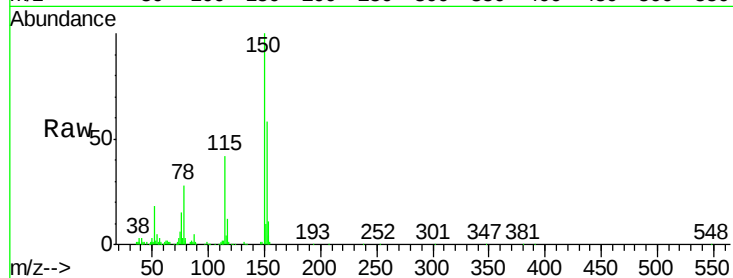




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.00 min
Lab File: BG034792.D
Acq: 30 May 2018 00:44

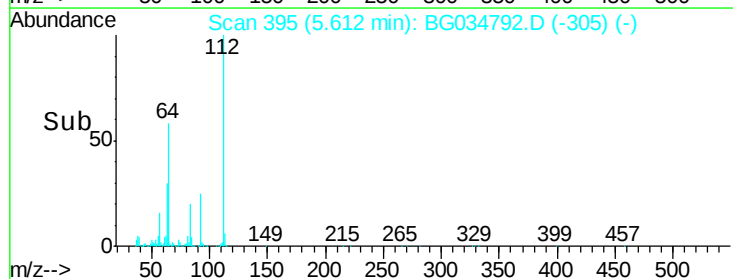
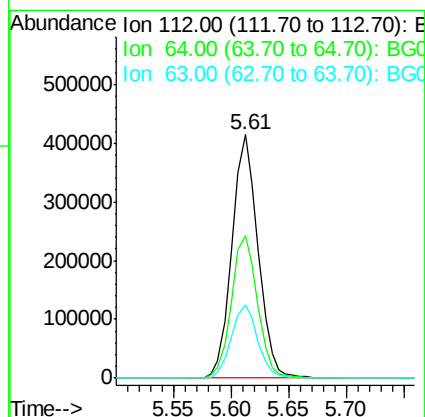
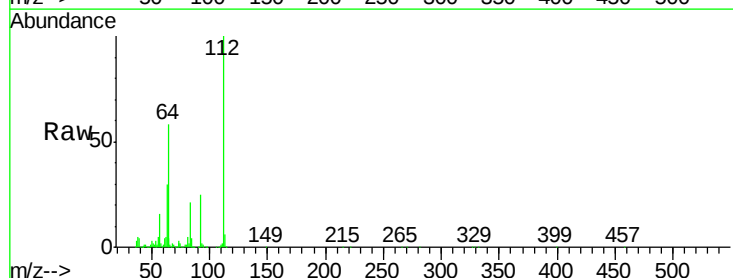
Tot Ion	Ratio	Lower	Upper
152	100		
150	172.9	126.6	189.8
115	72.3	53.0	79.4



#5

2-Fluorophenol
Concen: 122.95 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG034792.D
Acq: 30 May 2018 00:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	56.3	84.5
63	29.9	30.1	45.1





#7

Phenol-d6

Concen: 96.67 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG034792.D

Acq: 30 May 2018 00:44

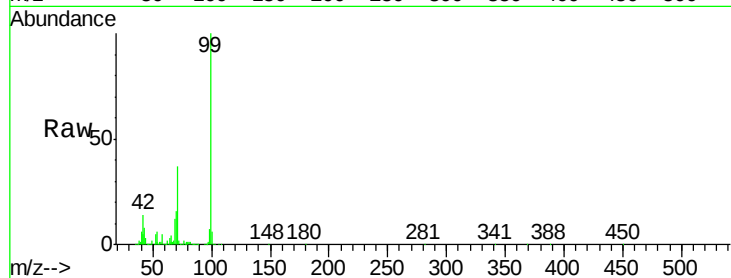
Tot Ion: 99 Resp: 824005

Ion	Ratio	Lower	Upper
99	100		
42	14.1	14.1	21.1
71	37.4	26.1	39.1

99 100

42 14.1 14.1 21.1

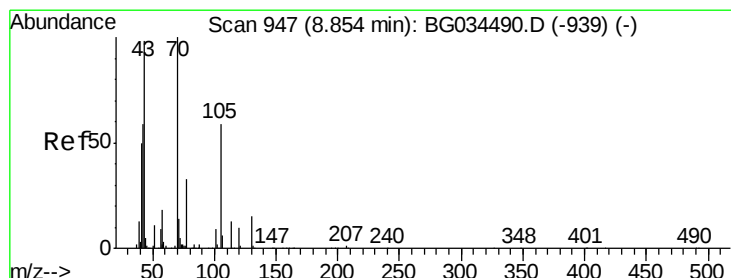
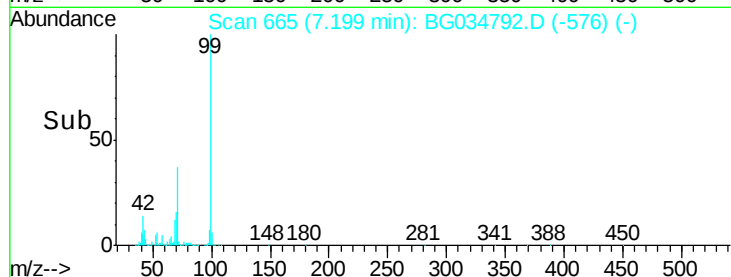
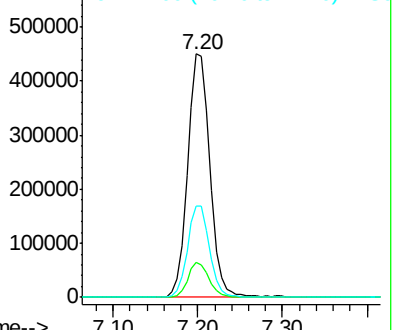
71 37.4 26.1 39.1



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: 11.92 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG034792.D

Acq: 30 May 2018 00:44

Tgt Ion: 70 Resp: 83247

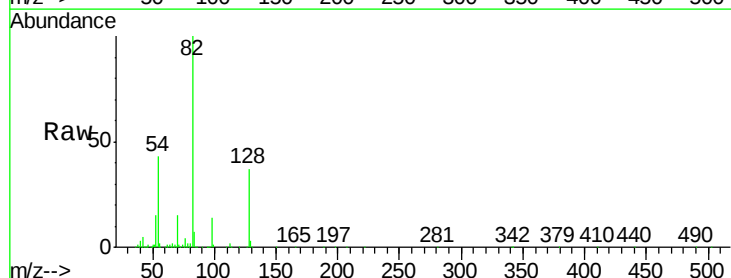
Ion	Ratio	Lower	Upper
70	100		
42	32.4	49.1	73.7#
101	0.0	8.5	12.7#
130	1.9	13.4	20.0#

70 100

42 32.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

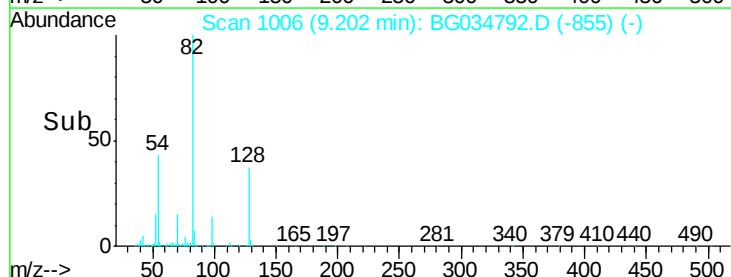
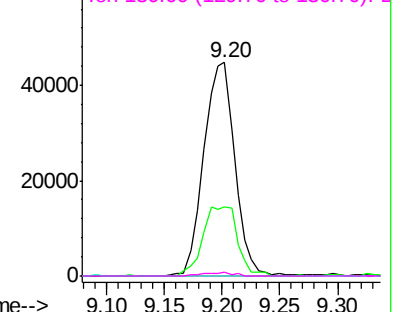


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

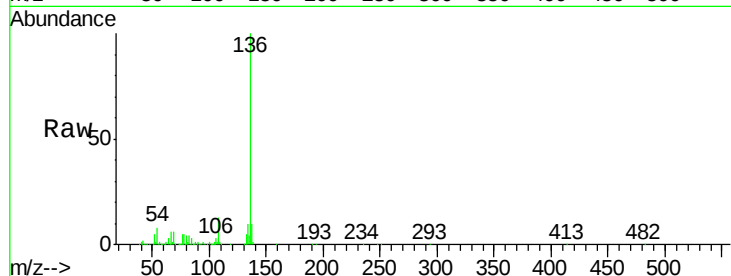
RT: 10.85 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG034792.D

Acq: 30 May 2018 00:44

Tot Ion:136	Resp:	303964
Ion Ratio	Lower	Upper
136 100		
137 9.5	9.2	13.8
54 7.9	10.3	15.5#
68 5.6	4.5	6.7

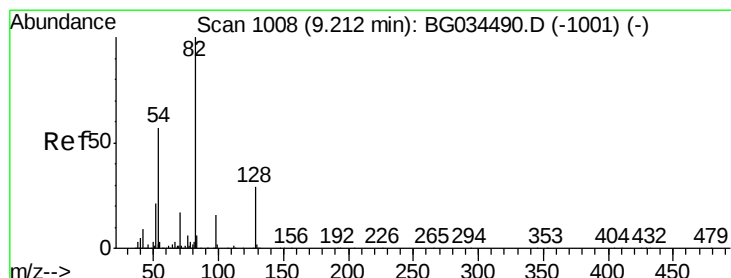
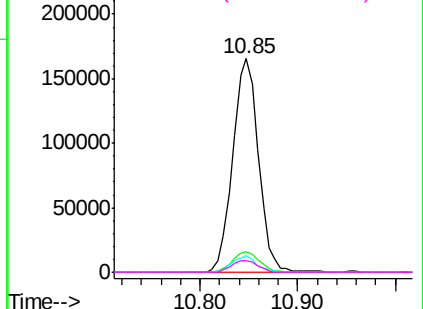
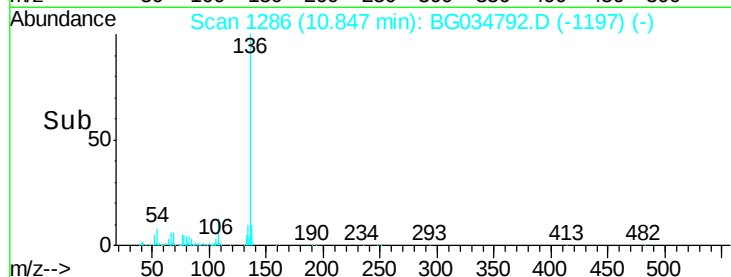


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 77.70 ng

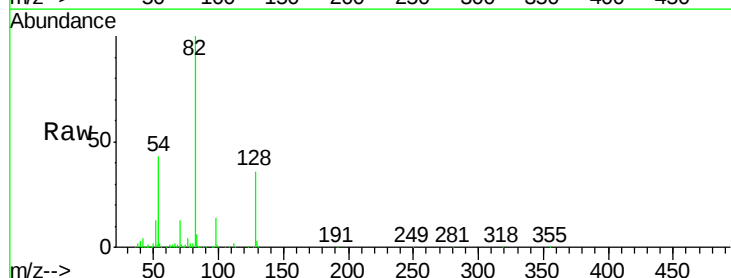
RT: 9.20 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BG034792.D

Acq: 30 May 2018 00:44

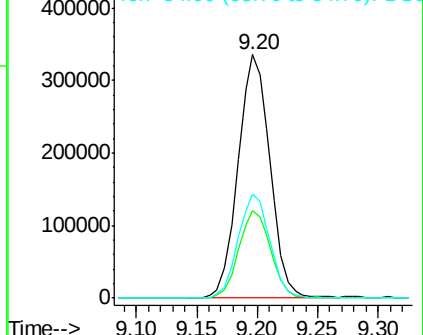
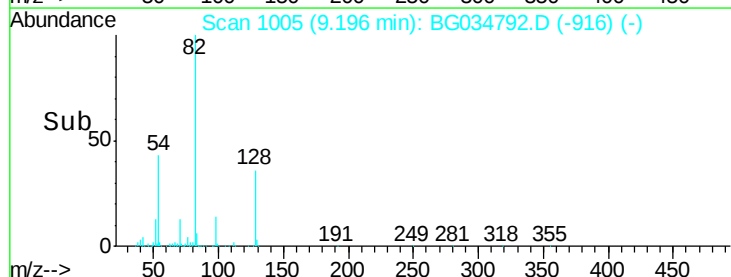
Tgt	Ion: 82	Resp:	618289
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.7	44.5
54	43.0	43.1	64.7#

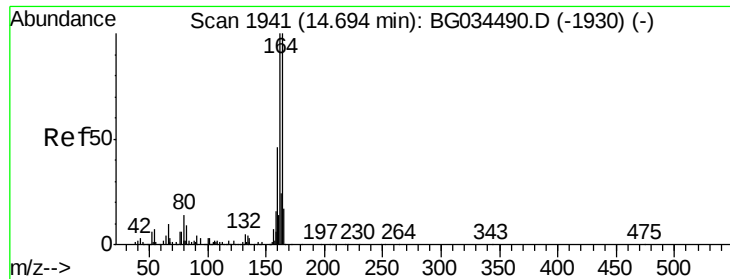


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

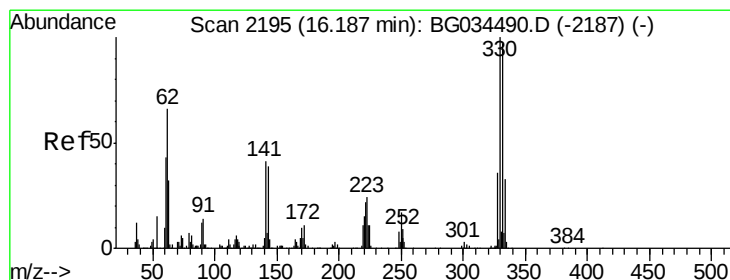
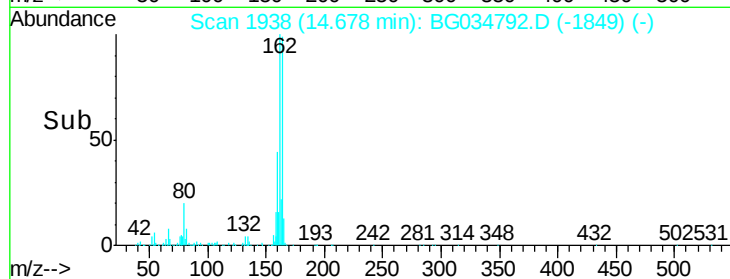
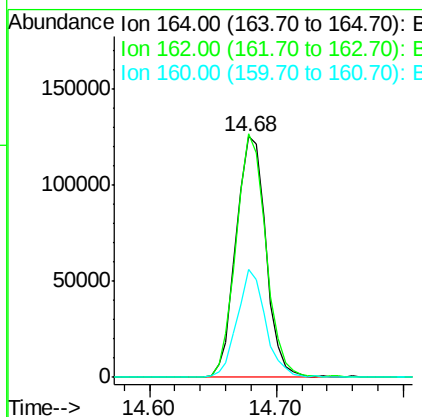
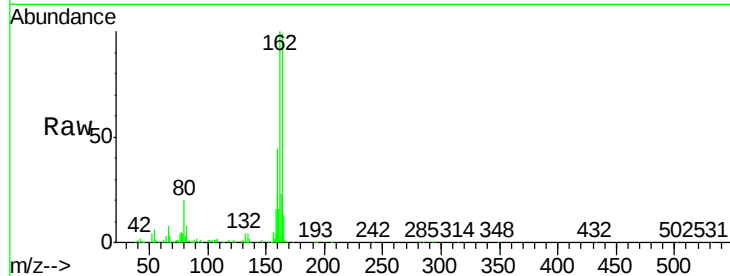
Ion 54.00 (53.70 to 54.70): BGC





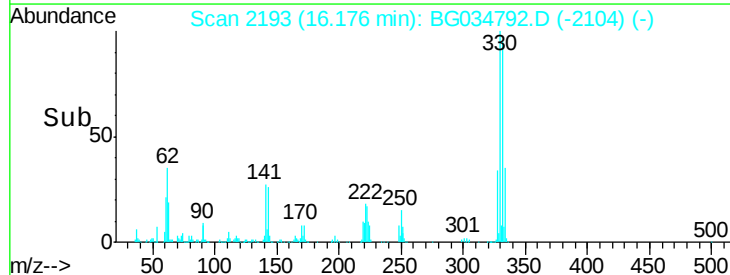
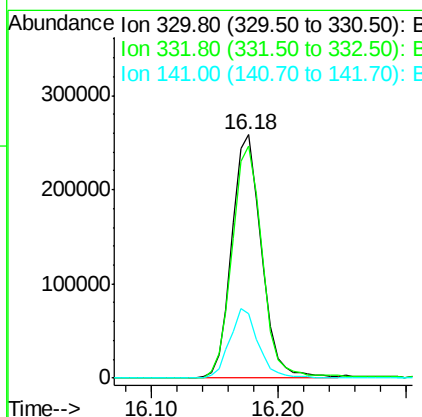
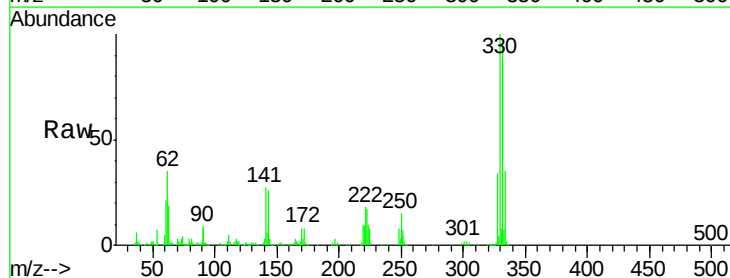
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.68 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG034792.D
Acq: 30 May 2018 00:44

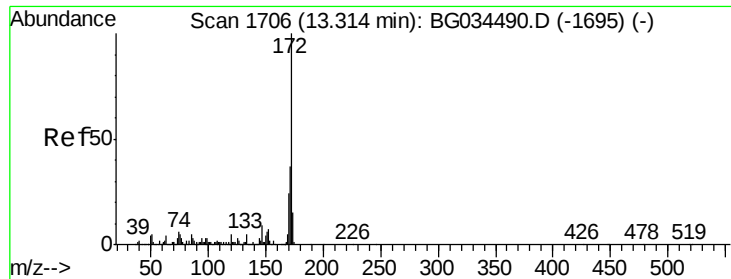
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	78.8	118.2
160	44.6	35.4	53.0



#41
2,4,6-Tribromophenol
Concen: 119.28 ng
RT: 16.18 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BG034792.D
Acq: 30 May 2018 00:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	27.7	25.2	37.8

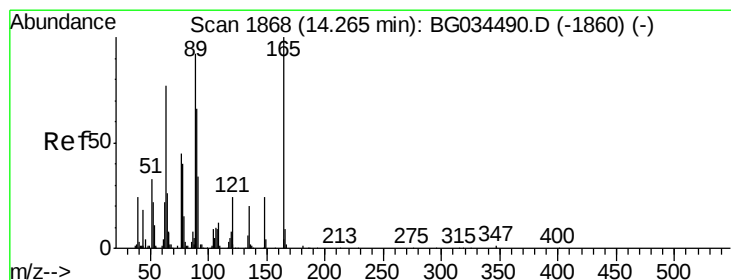
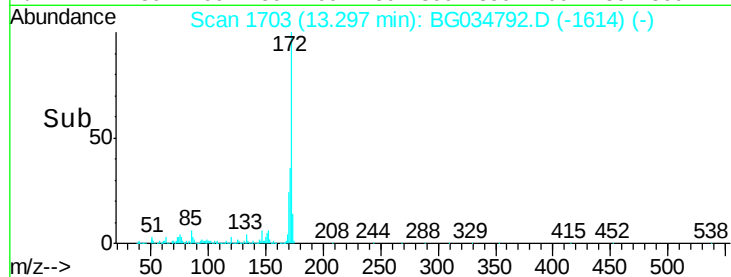
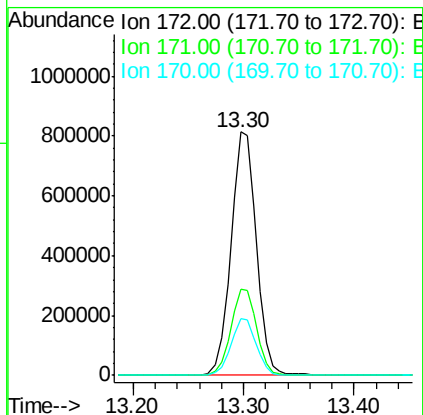
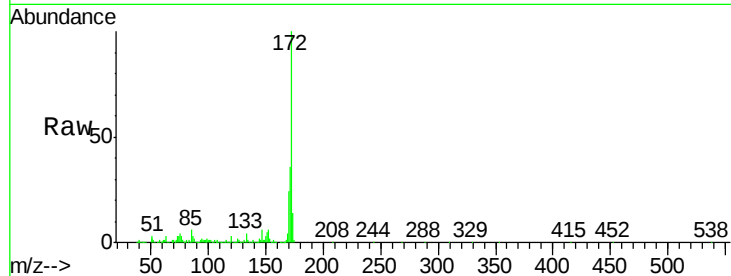




#44
2-Fluorobiphenyl
Concen: 86.85 ng
RT: 13.30 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BG034792.D
Acq: 30 May 2018 00:44

Tot Ion:172 Resp: 1305271

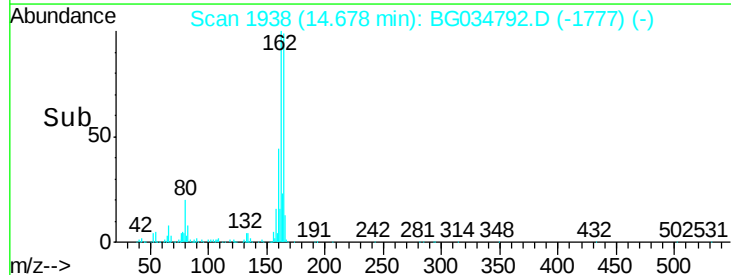
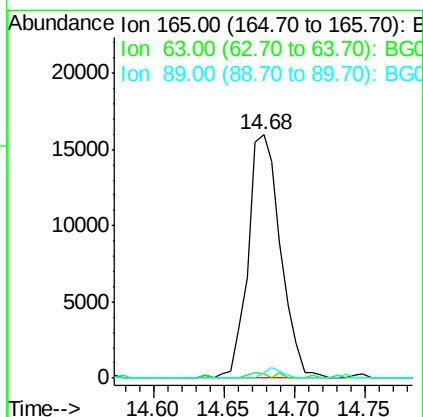
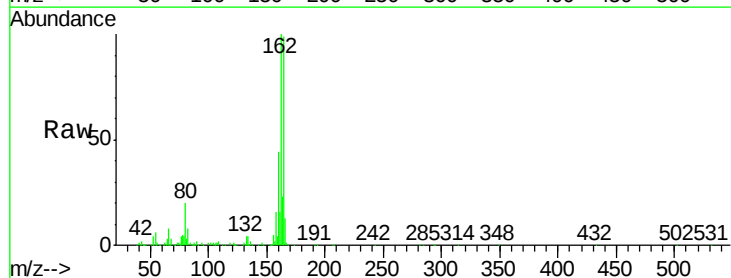
Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.0	45.0
170	23.5	19.5	29.3

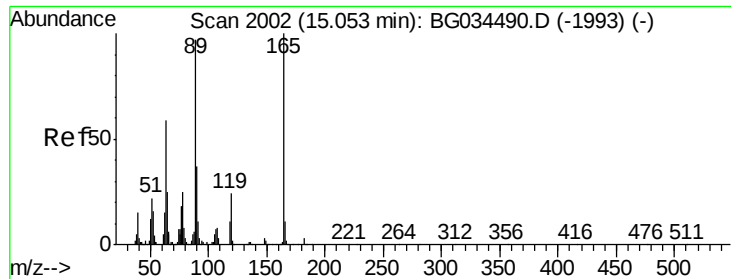


#50
2,6-Dinitrotoluene
Concen: 7.17 ng
RT: 14.68 min Scan# 1938
Delta R.T. 0.42 min
Lab File: BG034792.D
Acq: 30 May 2018 00:44

Tgt Ion:165 Resp: 25887

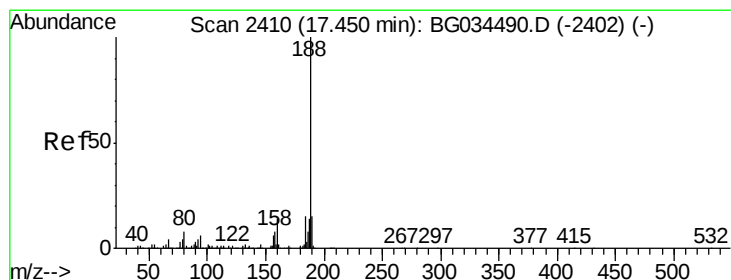
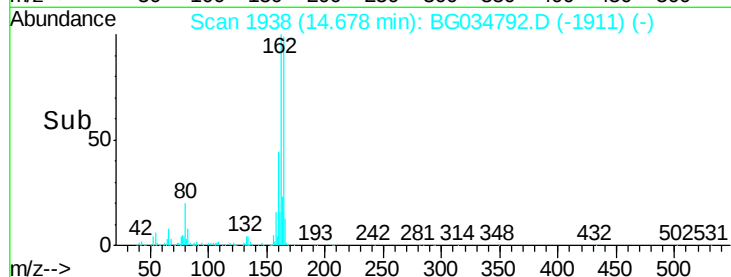
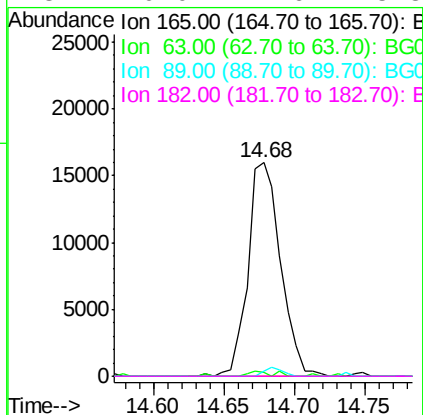
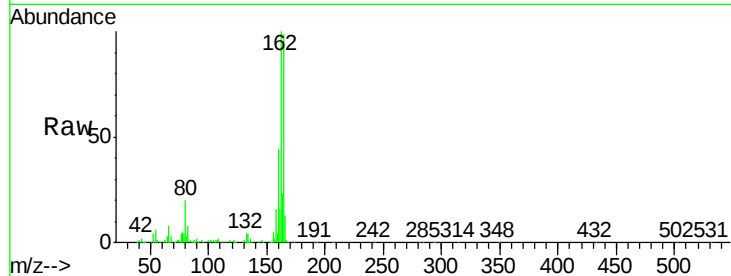
Ion	Ratio	Lower	Upper
165	100		
63	1.7	52.7	79.1#
89	2.2	49.2	73.8#





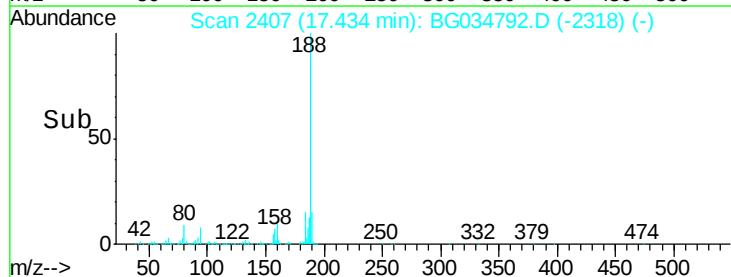
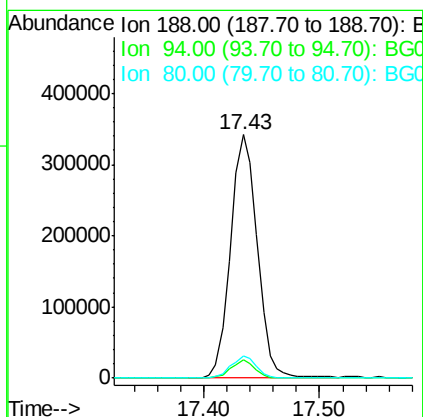
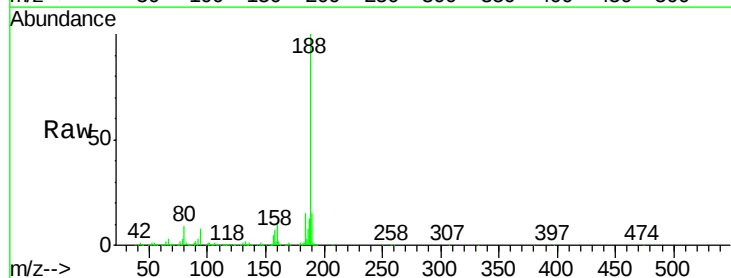
#56
2,4-Dinitrotoluene
Concen: 4.83 ng
RT: 14.68 min Scan# 1938
Delta R.T. -0.37 min
Lab File: BG034792.D
Acq: 30 May 2018 00:44

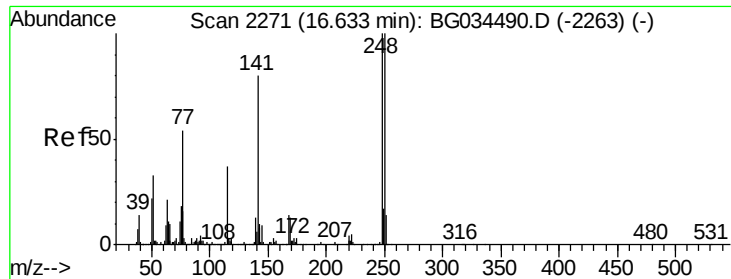
Tot Ion:165 Resp: 25887
Ion Ratio Lower Upper
165 100
63 1.7 42.0 63.0#
89 2.2 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BG034792.D
Acq: 30 May 2018 00:44

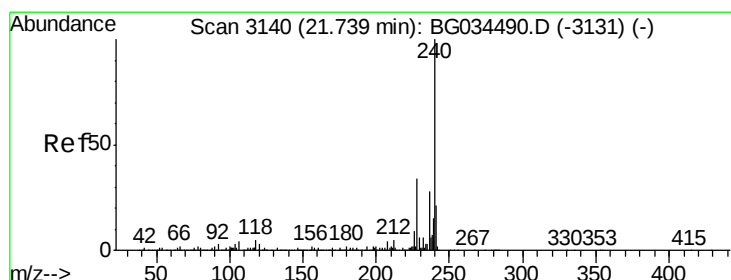
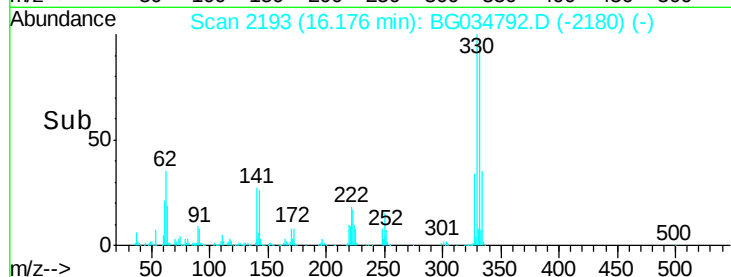
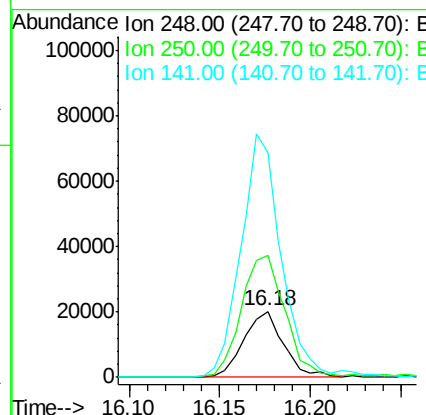
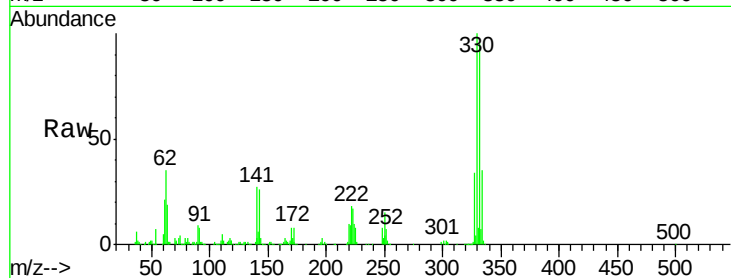
Tgt Ion:188 Resp: 548126
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 9.3 7.7 11.5





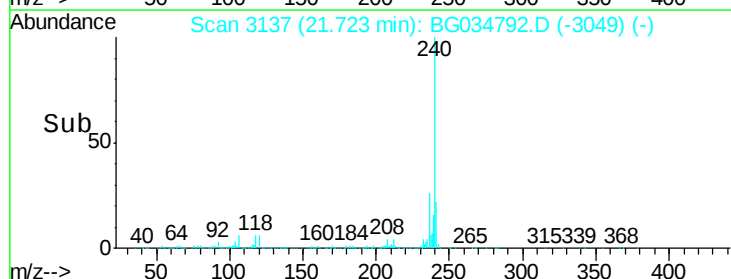
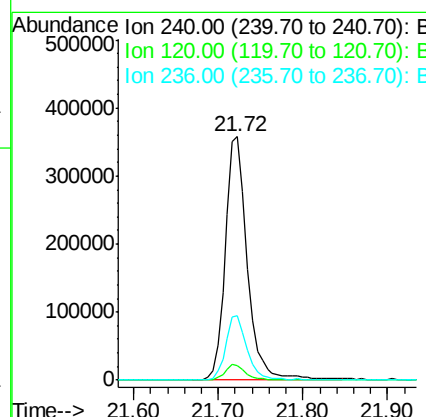
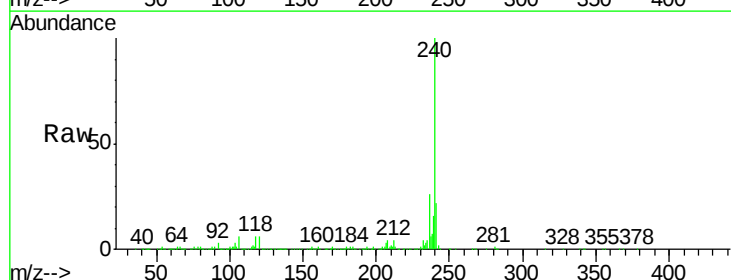
#66
4-Bromophenyl-phenylether
Concen: 4.25 ng
RT: 16.18 min Scan# 2193
Delta R.T. -0.45 min
Lab File: BG034792.D
Acq: 30 May 2018 00:44

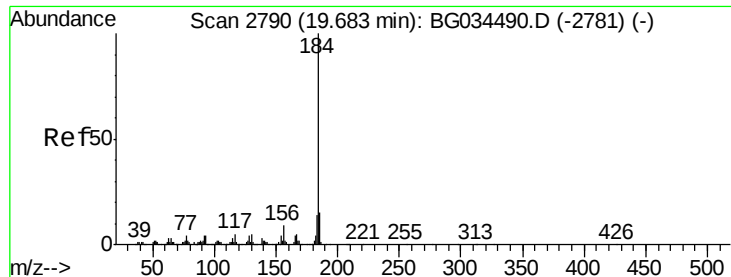
Tot Ion:248 Resp: 30689
Ion Ratio Lower Upper
248 100
250 184.8 77.1 115.7#
141 337.9 50.8 76.2#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.72 min Scan# 3137
Delta R.T. -0.01 min
Lab File: BG034792.D
Acq: 30 May 2018 00:44

Tgt Ion:240 Resp: 645469
Ion Ratio Lower Upper
240 100
120 6.1 6.8 10.2#
236 26.3 20.9 31.3





#76

Benzidine

Concen: 5.33 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.37 min

Lab File: BG034792.D

Acq: 30 May 2018 00:44

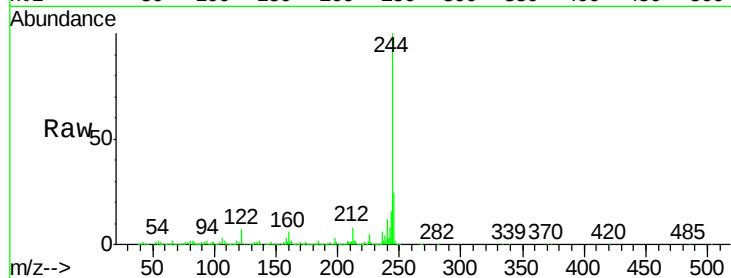
Tot Ion:184 Resp: 36358

Ion Ratio Lower Upper

184 100

185 13.9 11.1 16.7

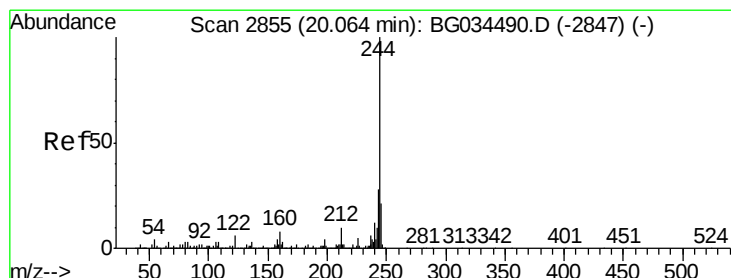
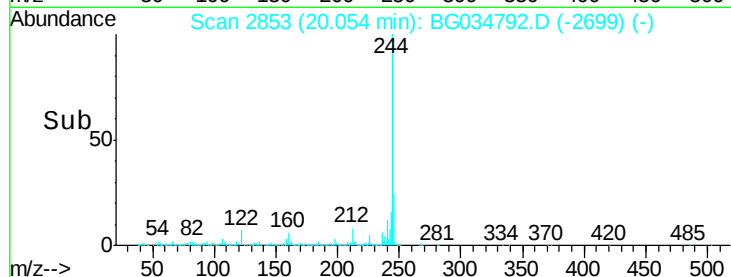
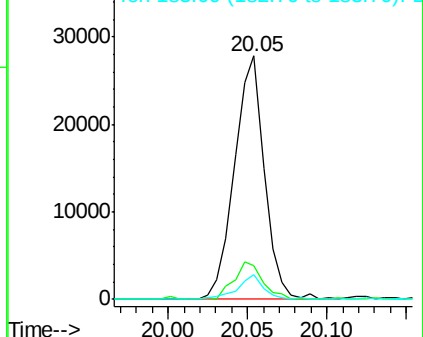
183 10.1 10.6 16.0#



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: 86.87 ng

RT: 20.05 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG034792.D

Acq: 30 May 2018 00:44

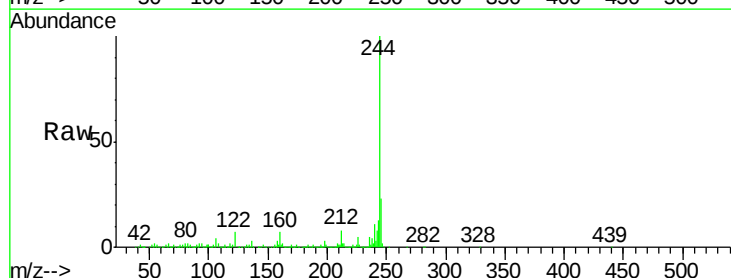
Tgt Ion:244 Resp: 2556871

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

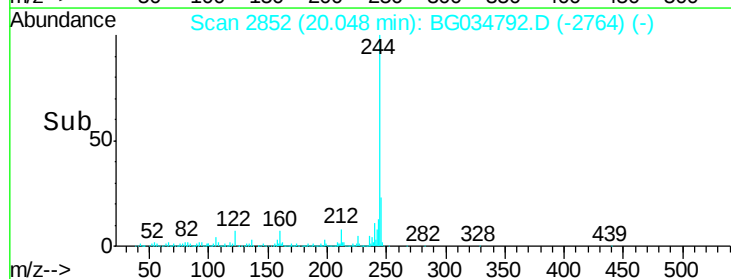
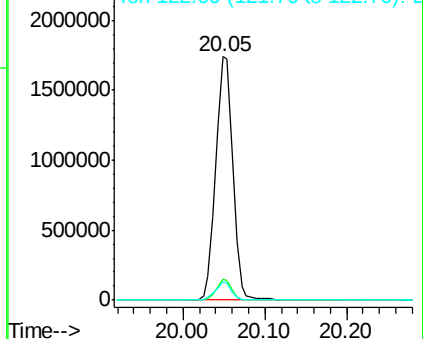
122 7.4 7.0 10.4

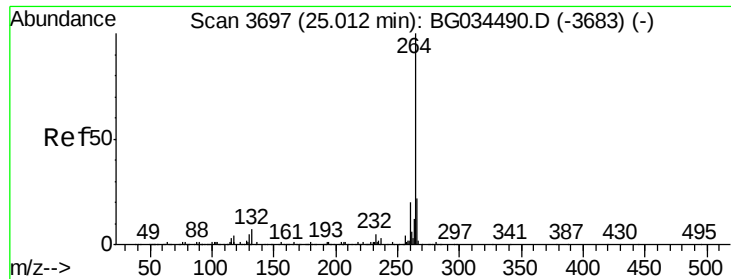


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

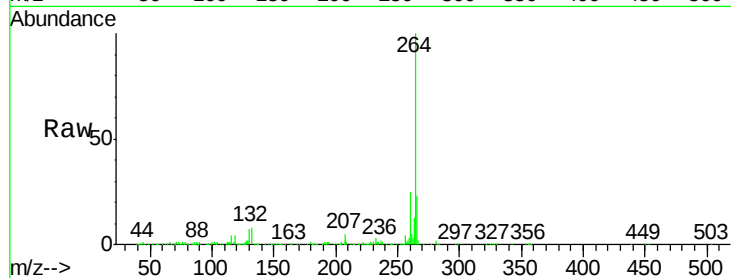
Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.98 min Scan# 3691
 Delta R.T. -0.03 min
 Lab File: BG034792.D
 Acq: 30 May 2018 00:44

Tot Ion:	264	Resp:	636117
Ion	Ratio	Lower	Upper
264	100		
260	25.1	17.4	26.0
265	22.8	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

