

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034793.D
 Acq On : 30 May 2018 1:22
 Operator : SJ/JU
 Sample : J3177-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

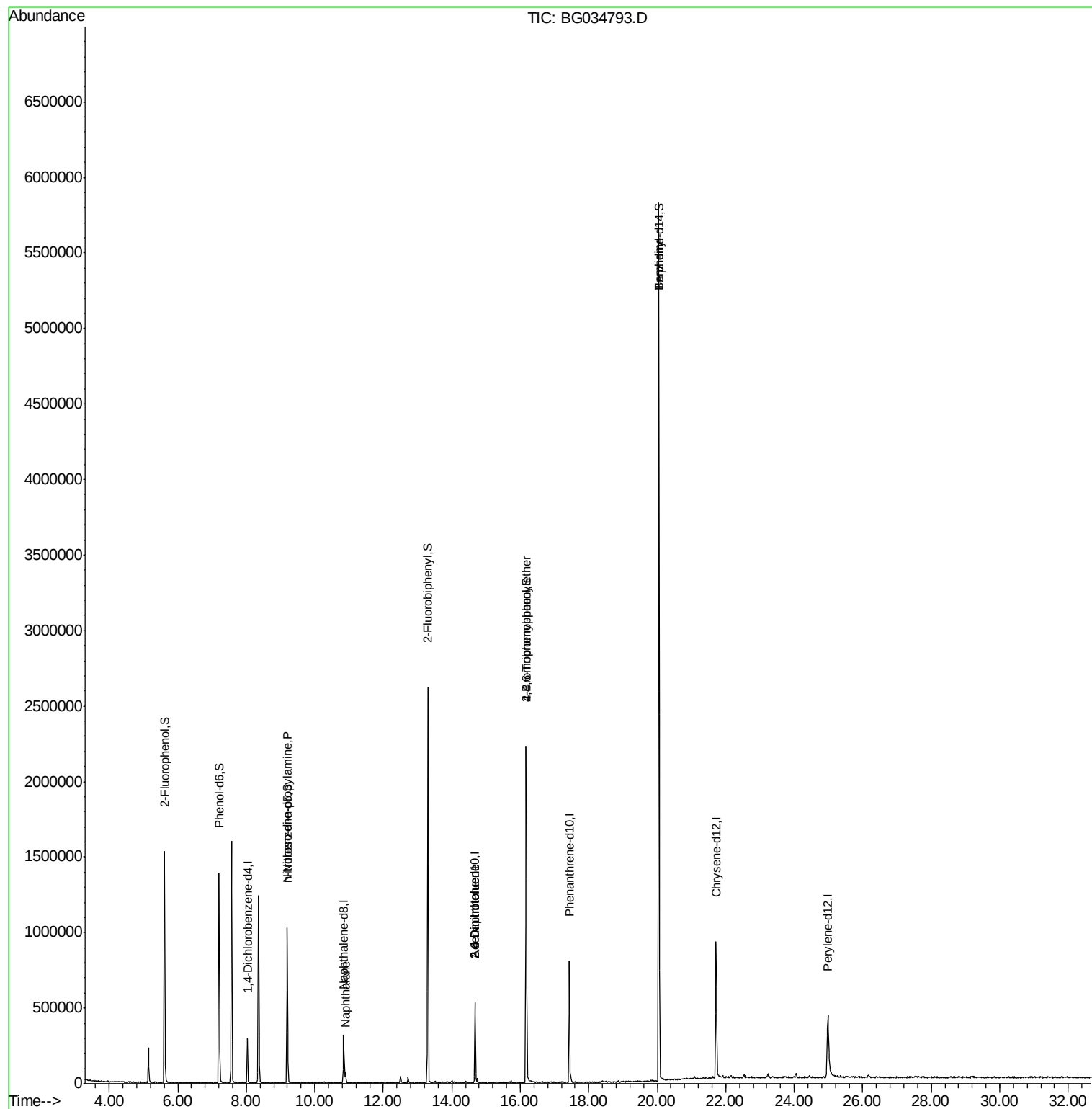
Quant Time: May 30 04:46:58 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

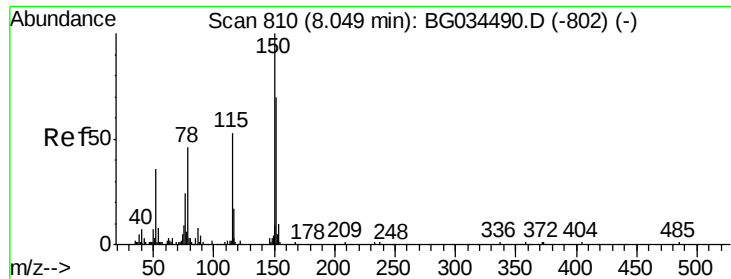
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	79431	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	286106	20.00	ng	-0.01
38) Acenaphthene-d10	14.68	164	192368	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	528340	20.00	ng	0.00
75) Chrysene-d12	21.72	240	635900	20.00	ng	-0.02
86) Perylene-d12	24.99	264	604768	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	717246	139.08	ng	0.00
7) Phenol-d6	7.20	99	891820	106.90	ng	0.00
23) Nitrobenzene-d5	9.20	82	683083	91.20	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	507683	153.24	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	1443614	101.88	ng	0.00
78) Terphenyl-d14	20.05	244	2891496	99.72	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	9.20	70	92560	13.55	ng	# 65
31) Naphthalene	10.90	128	59962	4.03	ng	99
50) 2,6-Dinitrotoluene	14.68	165	26375	7.75	ng	# 22
56) 2,4-Dinitrotoluene	14.68	165	26375	5.22	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	38873	5.59	ng	# 1
76) Benzidine	20.05	184	40837	5.59	ng	# 89

(#) = 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# 808

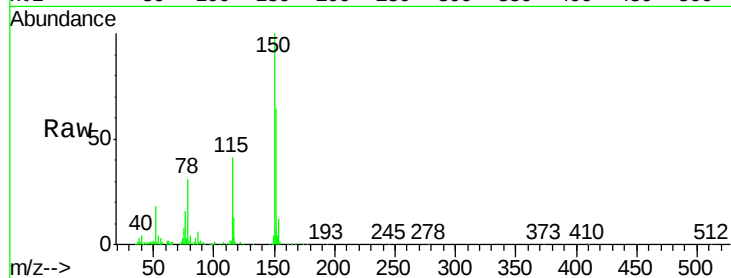
Delta R.T. 0.00 min

Lab File: BG034793.D

Acq: 30 May 2018 1:22

Tot Ion:152 Resp: 79431

Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.6	189.8
115	64.5	53.0	79.4

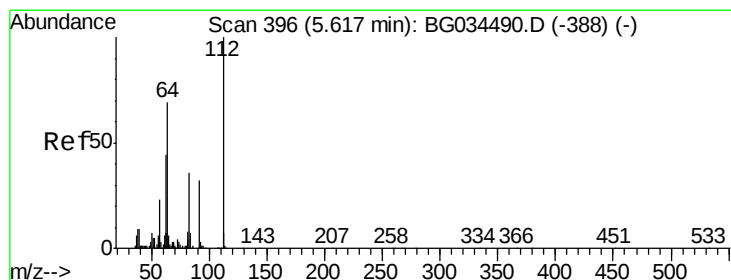
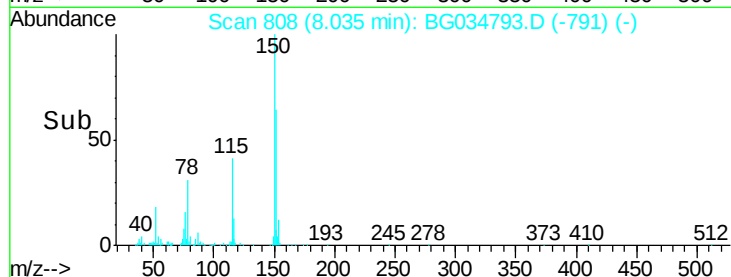
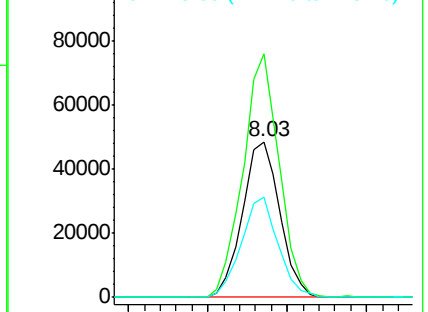


Abundance

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: 139.08 ng

RT: 5.61 min Scan# 396

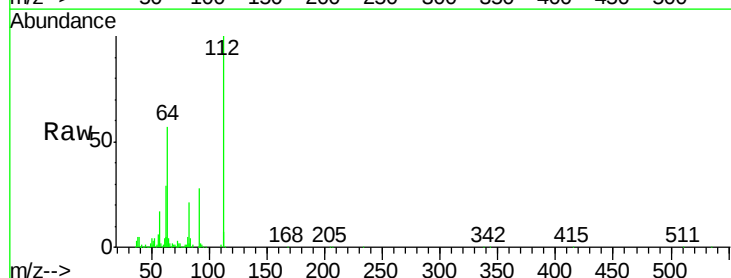
Delta R.T. 0.00 min

Lab File: BG034793.D

Acq: 30 May 2018 1:22

Tgt Ion:112 Resp: 717246

Ion	Ratio	Lower	Upper
112	100		
64	57.2	56.3	84.5
63	29.3	30.1	45.1

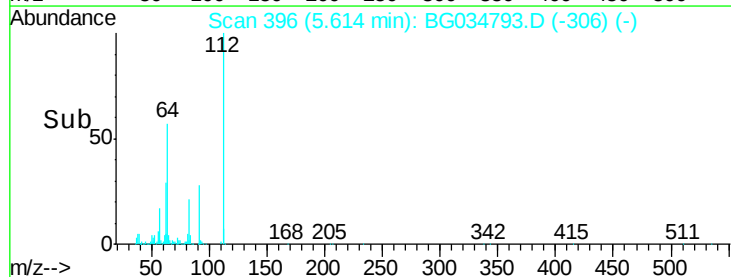
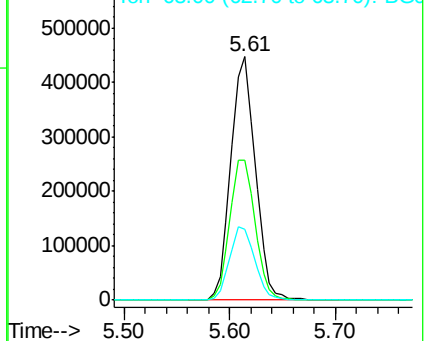


Abundance

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: 106.90 ng

RT: 7.20 min Scan# 666

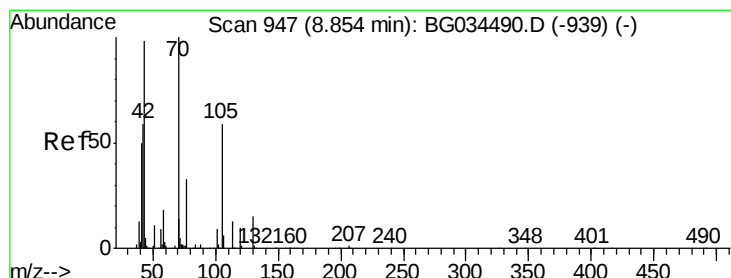
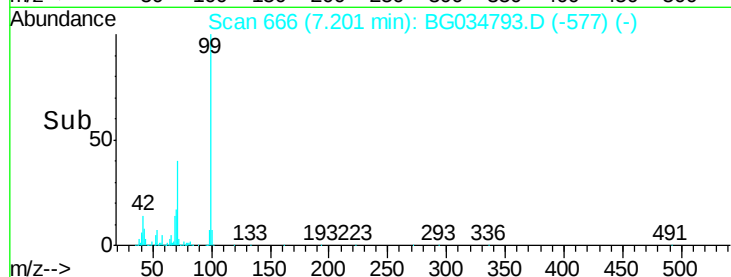
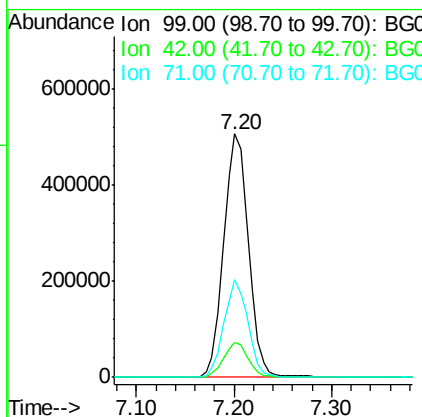
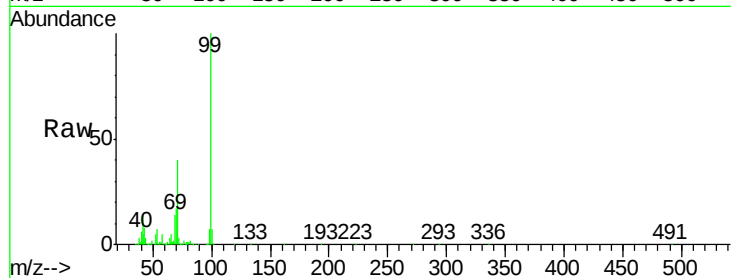
Delta R.T. -0.01 min

Lab File: BG034793.D

Acq: 30 May 2018 1:22

Tot Ion: 99 Resp: 891820

Ion	Ratio	Lower	Upper
99	100		
42	14.4	14.1	21.1
71	40.4	26.1	39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.55 ng

RT: 9.20 min Scan# 1006

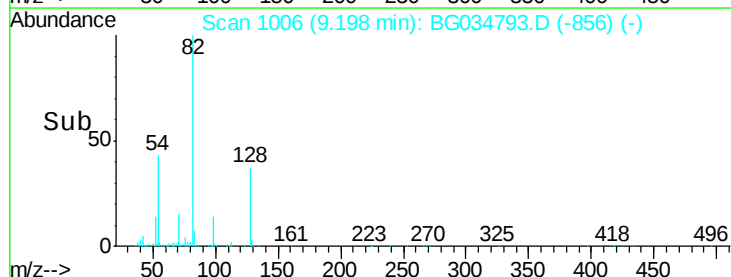
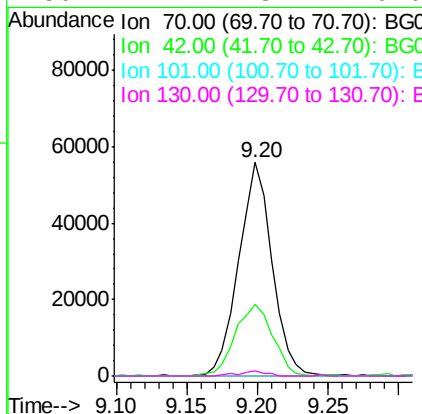
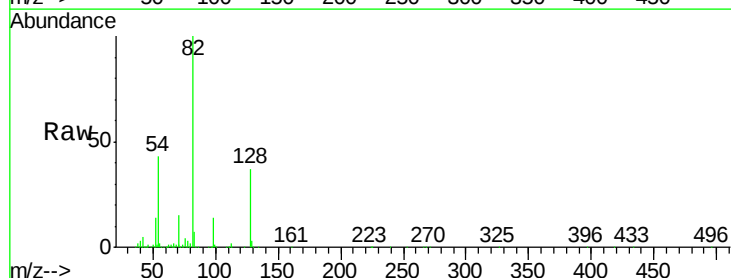
Delta R.T. 0.35 min

Lab File: BG034793.D

Acq: 30 May 2018 1:22

Tgt Ion: 70 Resp: 92560

Ion	Ratio	Lower	Upper
70	100		
42	33.5	49.1	73.7#
101	0.0	8.5	12.7#
130	2.7	13.4	20.0#





#21

Naphthalene-d8

Concen: 20.00 ng

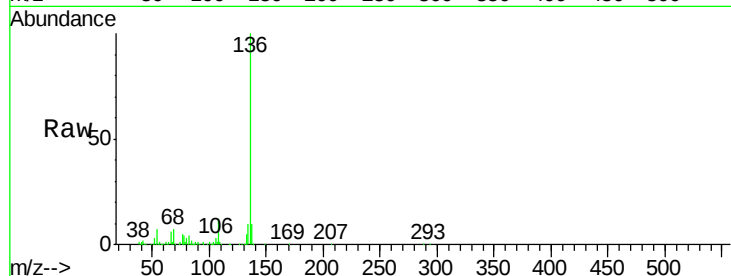
RT: 10.84 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG034793.D

Acq: 30 May 2018 1:22

Tot Ion:	136	Resp:	286106
Ion	Ratio	Lower	Upper
136	100		
137	9.5	9.2	13.8
54	7.5	10.3	15.5
68	6.5	4.5	6.7

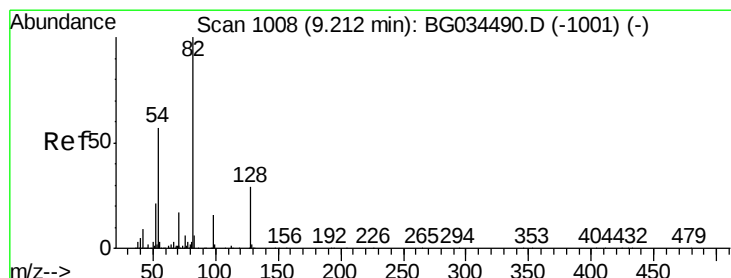
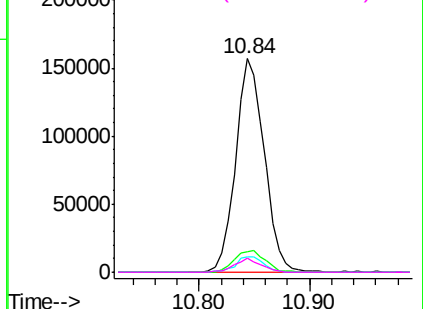
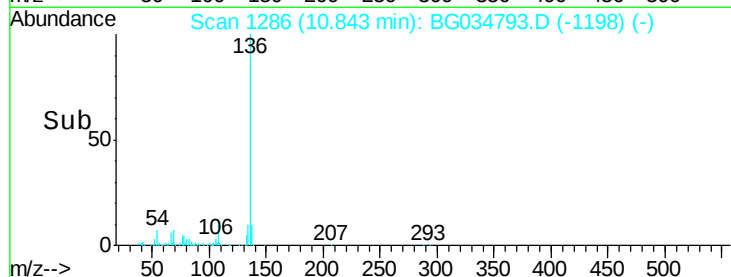


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23

Nitrobenzene-d5

Concen: 91.20 ng

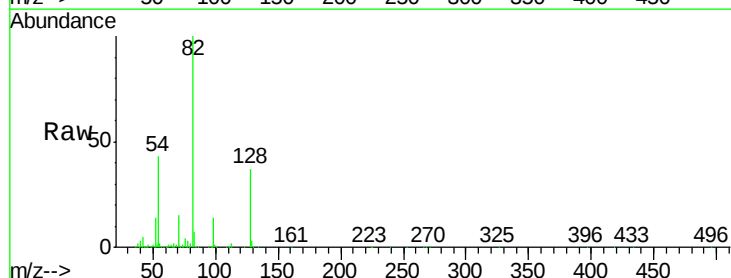
RT: 9.20 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BG034793.D

Acq: 30 May 2018 1:22

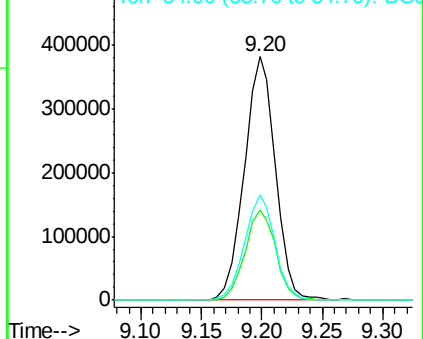
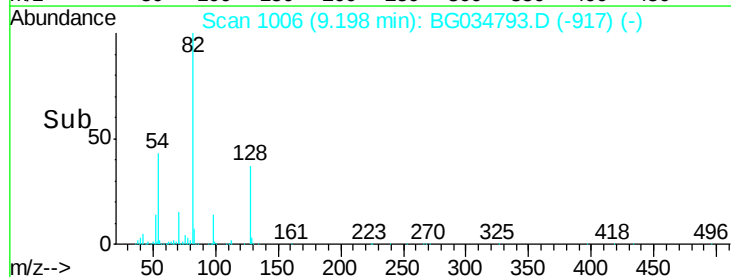
Tgt Ion:	82	Resp:	683083
Ion	Ratio	Lower	Upper
82	100		
128	37.1	29.7	44.5
54	43.2	43.1	64.7

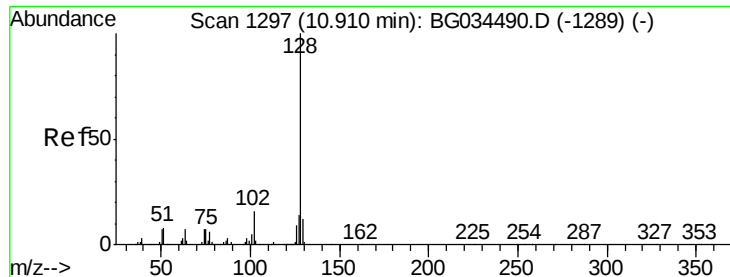


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

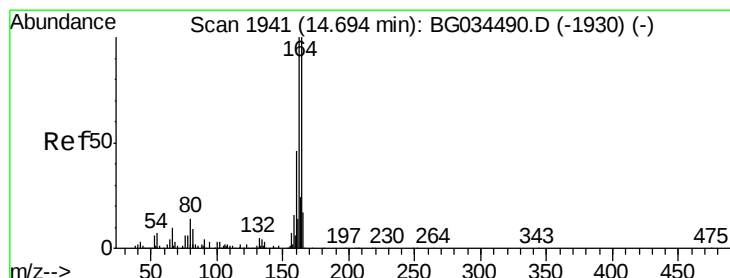
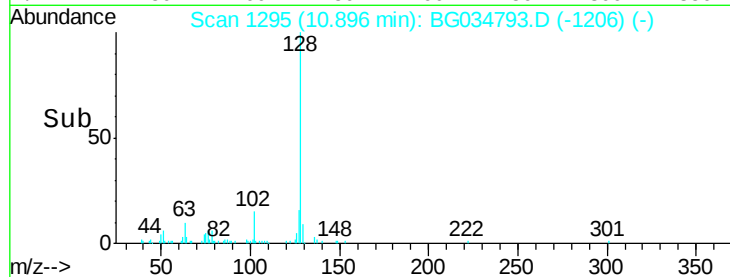
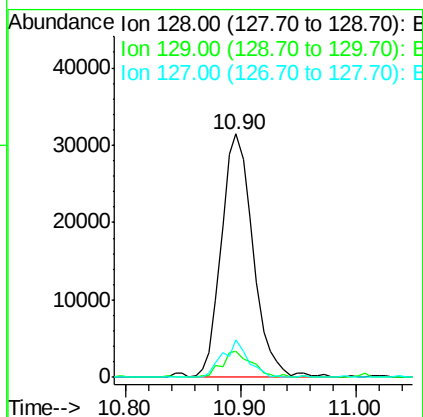
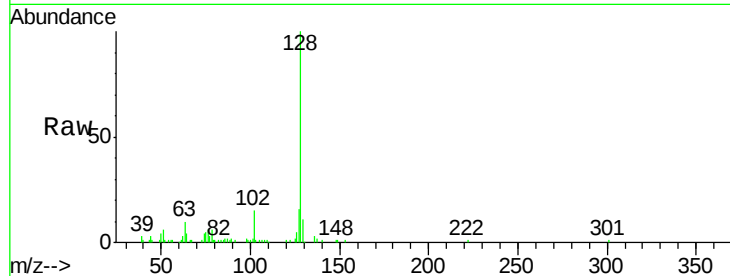
Ion 54.00 (53.70 to 54.70): B





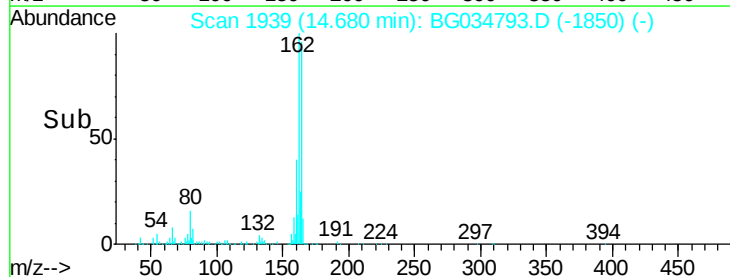
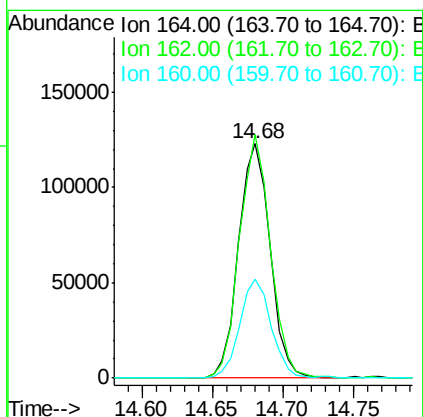
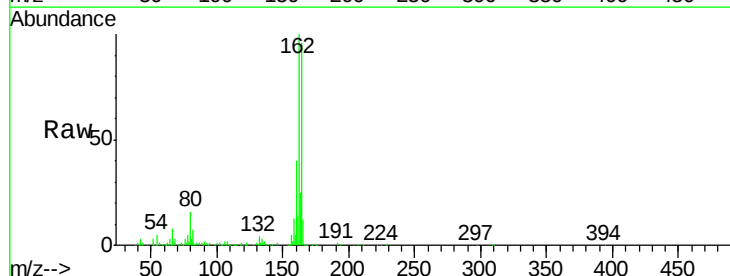
#31
Naphthalene
Concen: 4.03 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG034793.D
Acq: 30 May 2018 1:22

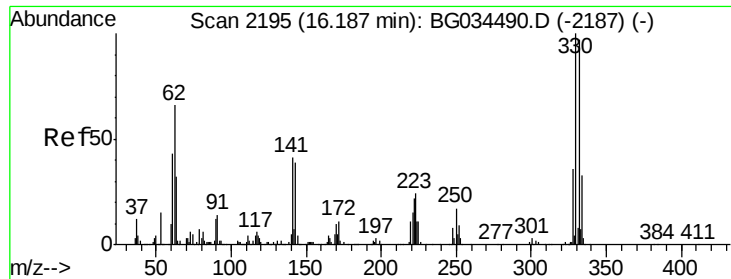
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	15.5	11.6	17.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BG034793.D
Acq: 30 May 2018 1:22

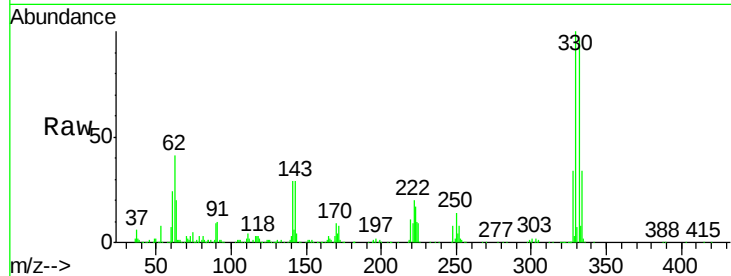
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	78.8	118.2
160	42.1	35.4	53.0



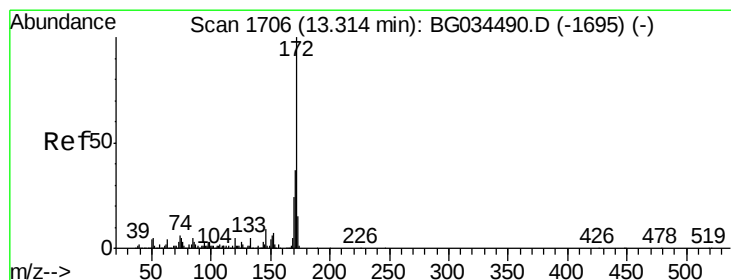
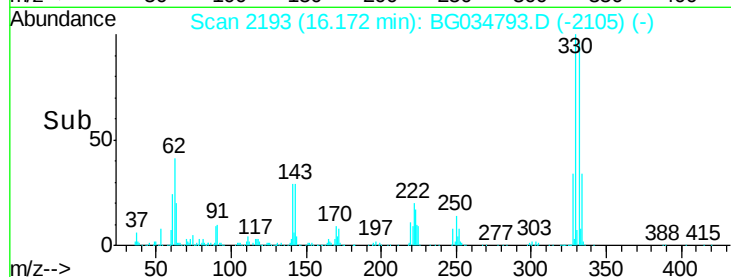
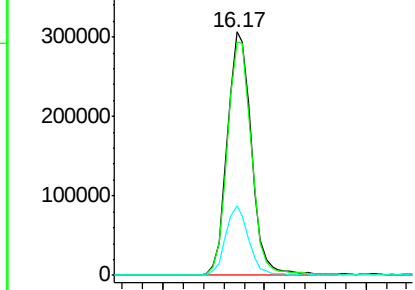


#41
 2,4,6-Tribromophenol
 Concen: 153.24 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG034793.D
 Acq: 30 May 2018 1:22

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	27.1	25.2	37.8

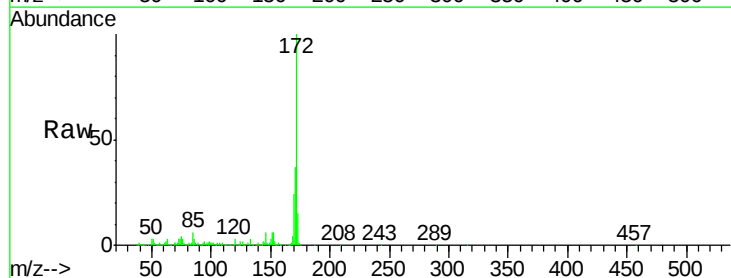


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

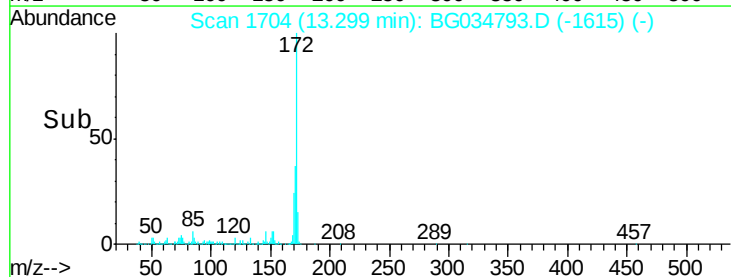
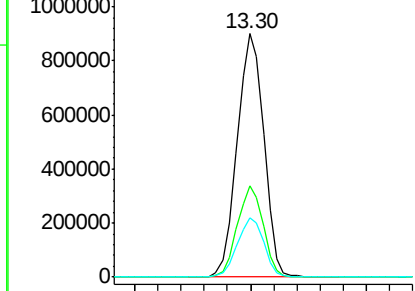


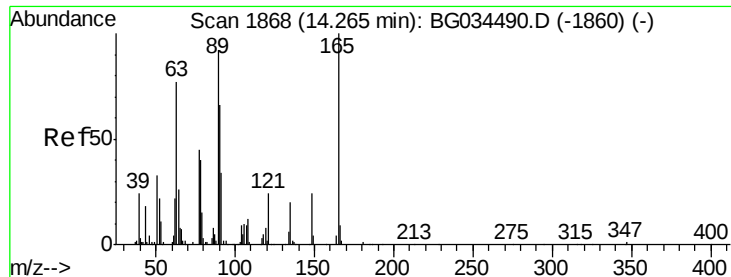
#44
 2-Fluorobiphenyl
 Concen: 101.88 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG034793.D
 Acq: 30 May 2018 1:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	24.3	19.5	29.3



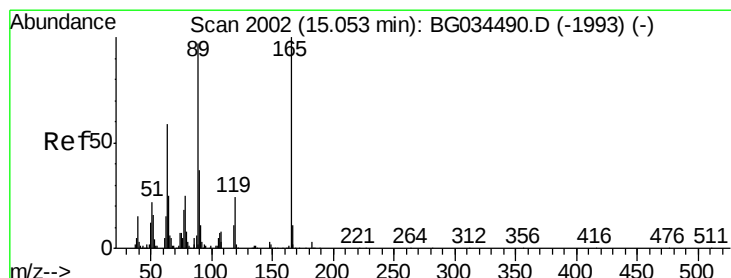
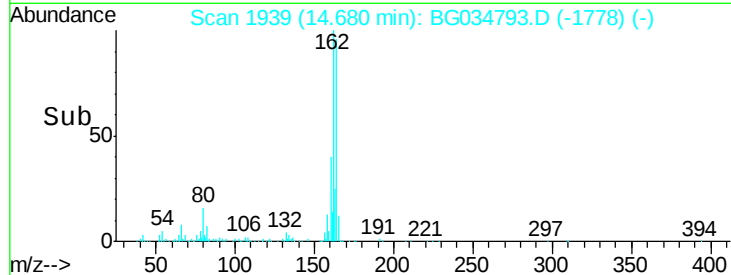
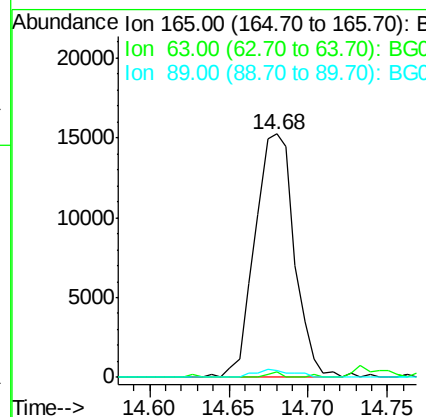
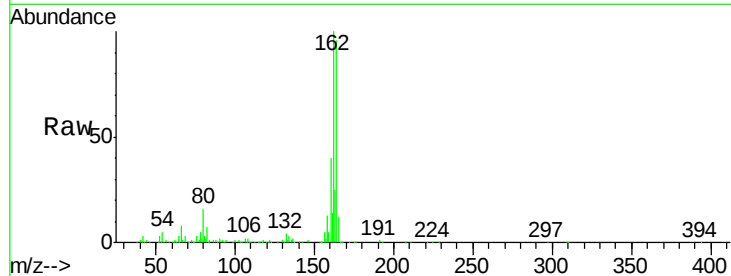
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





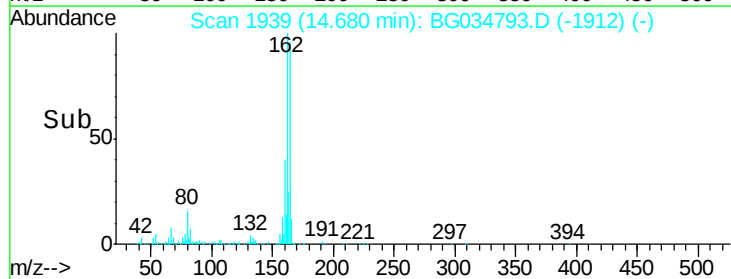
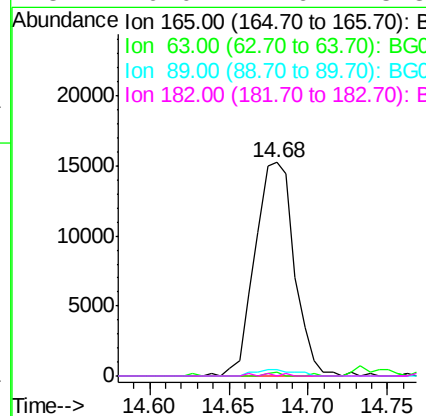
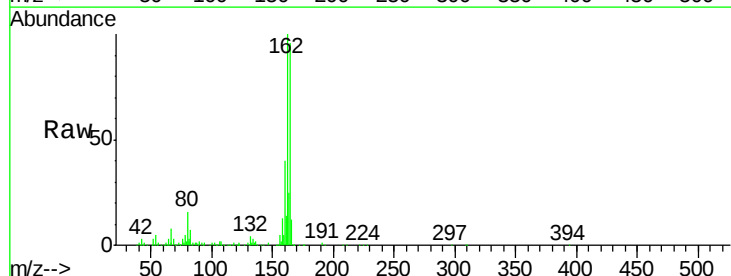
#50
 2,6-Dinitrotoluene
 Concen: 7.75 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.42 min
 Lab File: BG034793.D
 Acq: 30 May 2018 1:22

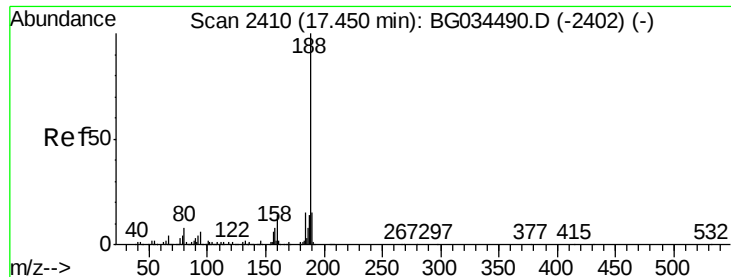
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	52.7	79.1#
89	3.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.22 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG034793.D
 Acq: 30 May 2018 1:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.0	63.0#
89	3.0	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: BG034793.D

Acq: 30 May 2018 1:22

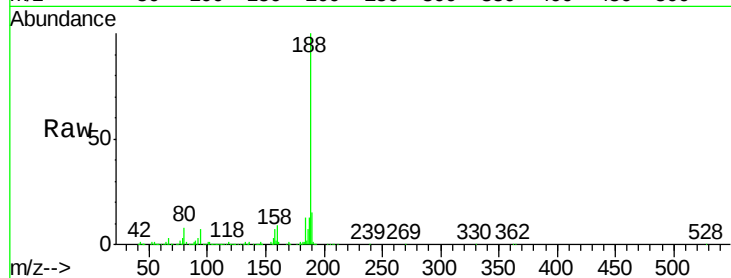
Tot Ion:188 Resp: 528340

Ion Ratio Lower Upper

188 100

94 6.8 6.9 10.3#

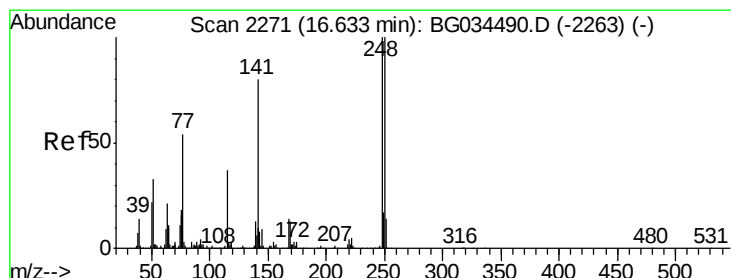
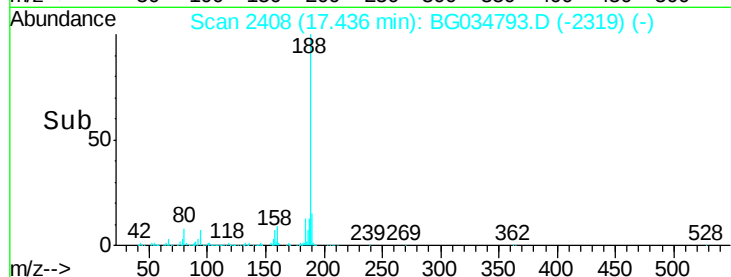
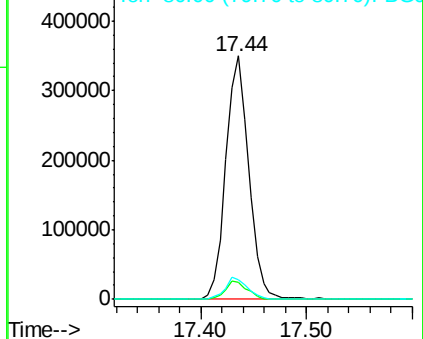
80 8.0 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#66

4-Bromophenyl-phenylether

Concen: 5.59 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG034793.D

Acq: 30 May 2018 1:22

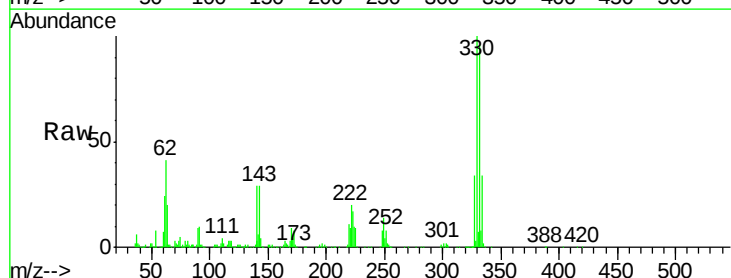
Tgt Ion:248 Resp: 38873

Ion Ratio Lower Upper

248 100

250 167.6 77.1 115.7#

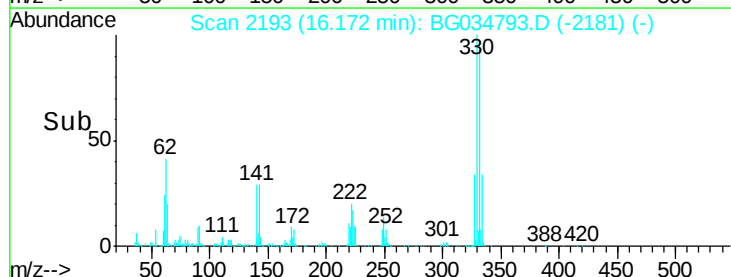
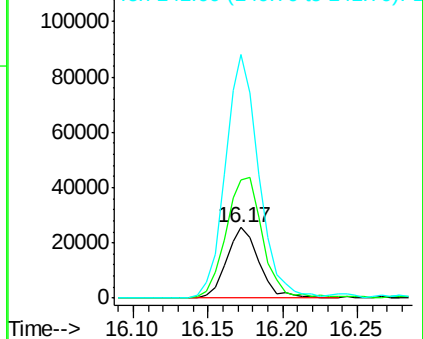
141 344.6 50.8 76.2#

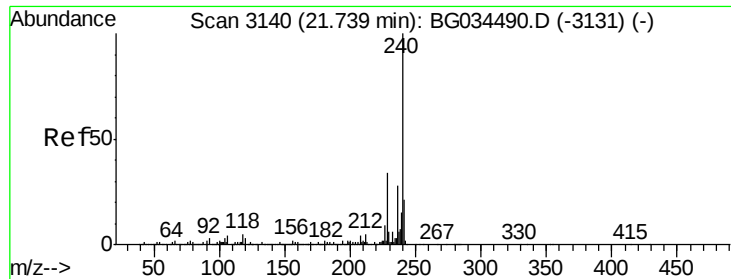


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG034793.D

Acq: 30 May 2018 1:22

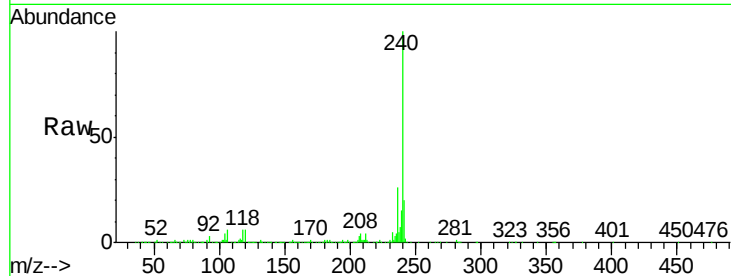
Tot Ion:240 Resp: 635900

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

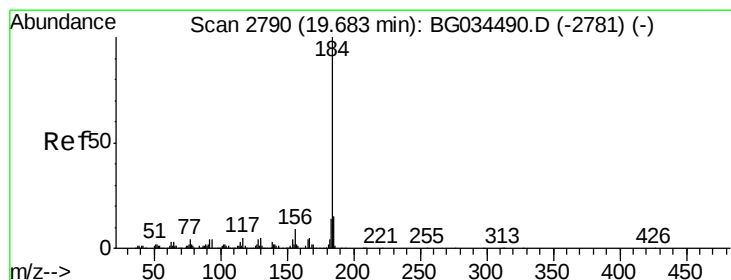
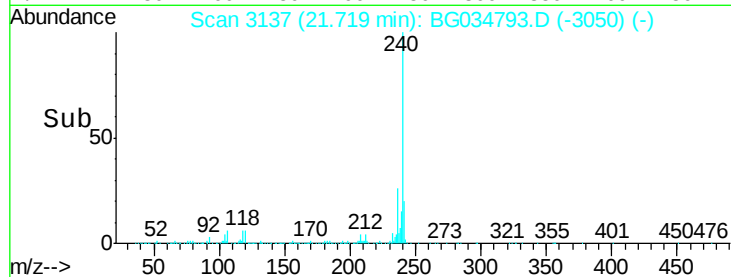
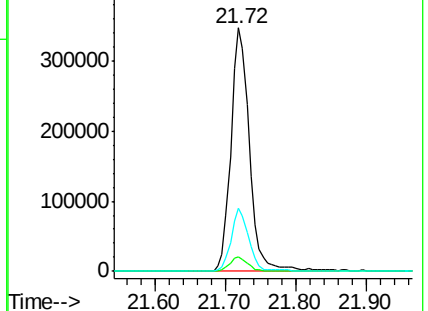
236 25.8 20.9 31.3



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: 5.59 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.37 min

Lab File: BG034793.D

Acq: 30 May 2018 1:22

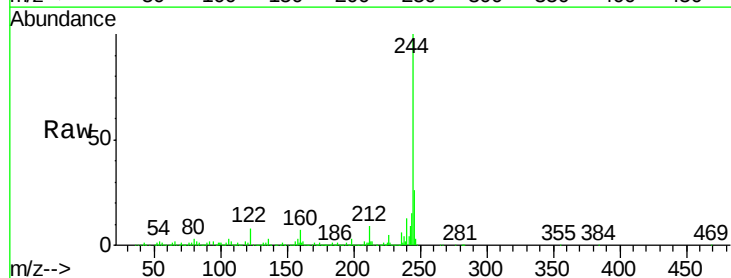
Tgt Ion:184 Resp: 40837

Ion Ratio Lower Upper

184 100

185 19.1 11.1 16.7#

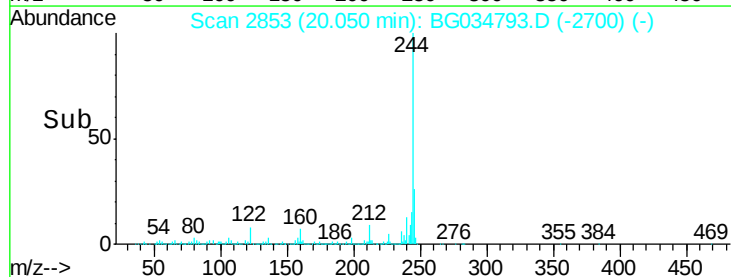
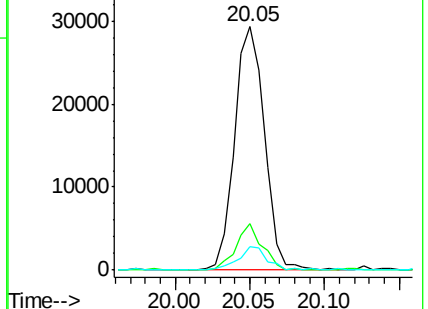
183 9.4 10.6 16.0#

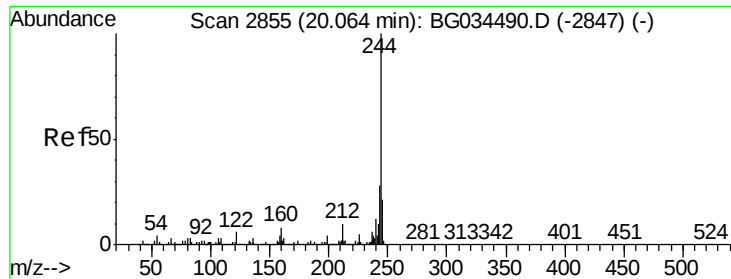


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.72 ng

RT: 20.05 min Scan# 2853

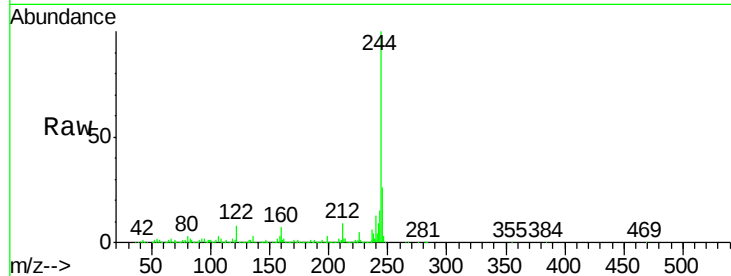
Delta R.T. -0.01 min

Lab File: BG034793.D

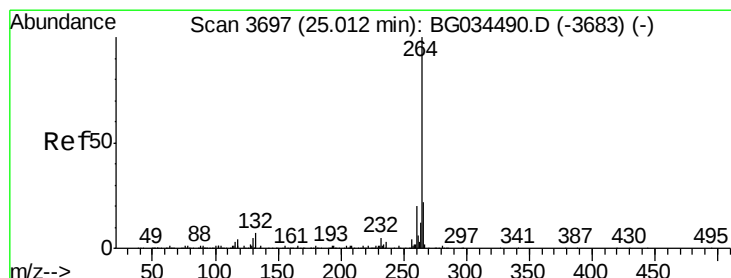
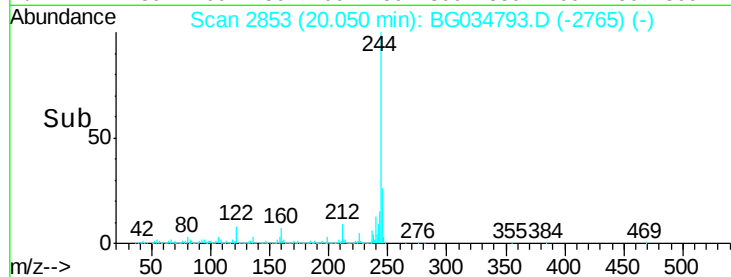
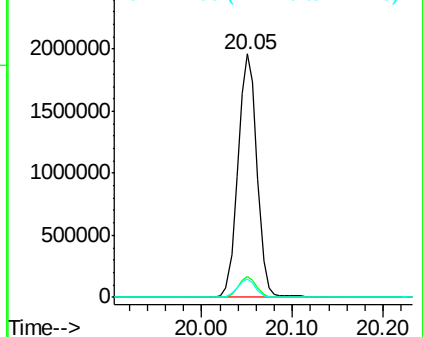
Acq: 30 May 2018 1:22

Tot Ion:244 Resp: 2891496

Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.8#
122	7.7	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

Perylene-d12

Concen: 20.00 ng

RT: 24.99 min Scan# 3693

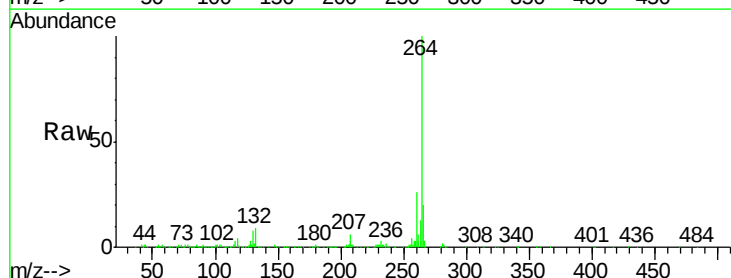
Delta R.T. -0.02 min

Lab File: BG034793.D

Acq: 30 May 2018 1:22

Tgt Ion:264 Resp: 604768

Ion	Ratio	Lower	Upper
264	100		
260	26.4	17.4	26.0#
265	20.0	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

