

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034794.D
 Acq On : 30 May 2018 2:01
 Operator : SJ/JU
 Sample : J3177-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

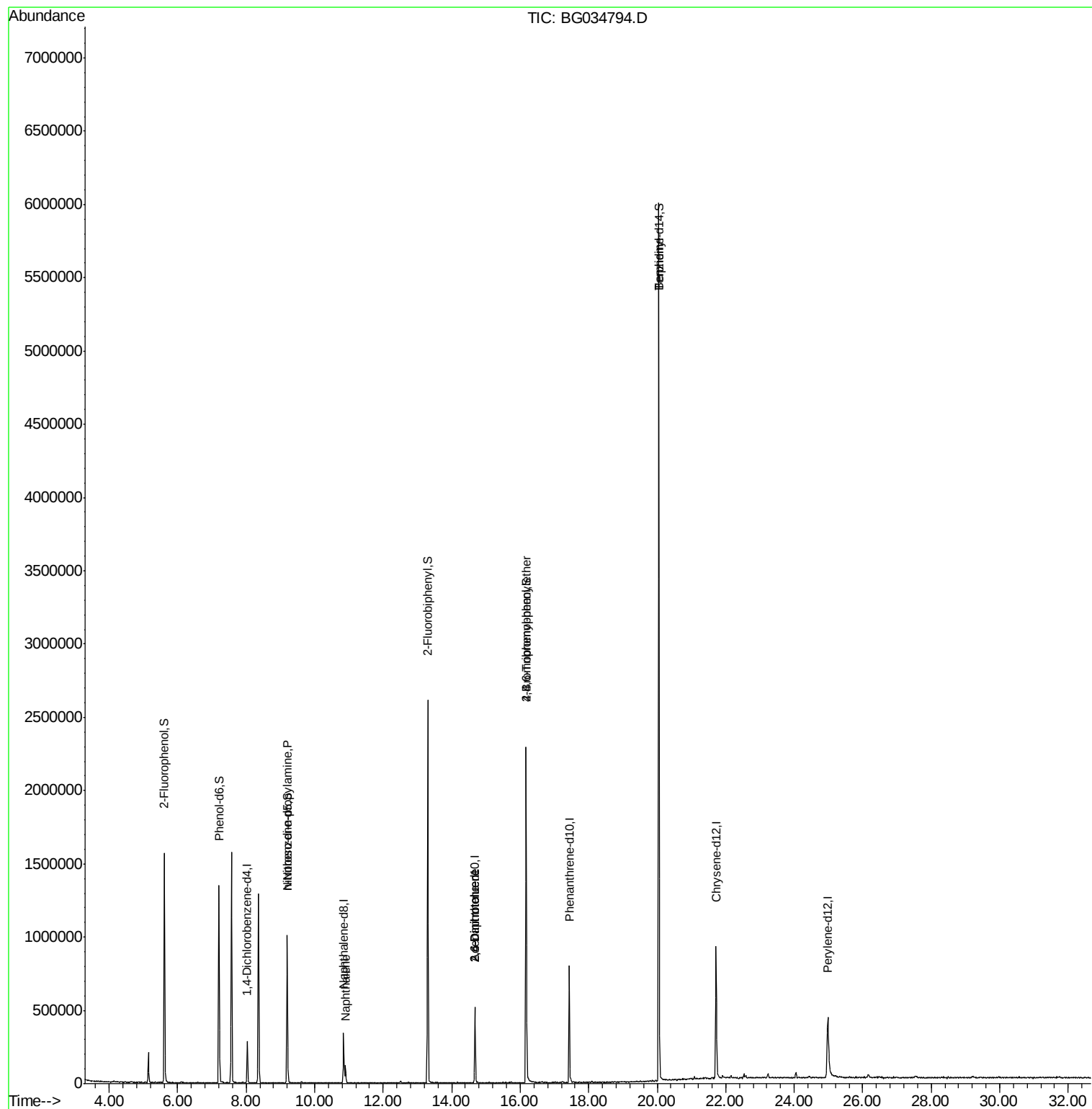
Quant Time: May 30 04:47:21 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

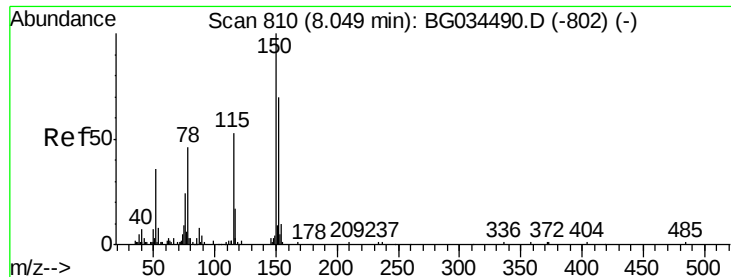
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	80564	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	283482	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	193682	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	515546	20.00	ng	0.00
75) Chrysene-d12	21.72	240	626514	20.00	ng	-0.02
86) Perylene-d12	24.98	264	596958	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	711154	135.96	ng	0.00
7) Phenol-d6	7.20	99	878145	103.78	ng	0.00
23) Nitrobenzene-d5	9.20	82	696728	93.89	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	508541	152.45	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1453998	101.92	ng	0.00
78) Terphenyl-d14	20.05	244	2880434	100.82	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	9.20	70	94447	13.63	ng	# 65
31) Naphthalene	10.89	128	97795	6.64	ng	# 94
50) 2,6-Dinitrotoluene	14.68	165	25913	7.56	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	25913	5.09	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	37384	5.51	ng	# 1
76) Benzidine	20.05	184	42915	5.74	ng	# 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 808

Delta R.T. 0.00 min

Lab File: BG034794.D

Acq: 30 May 2018 2:01

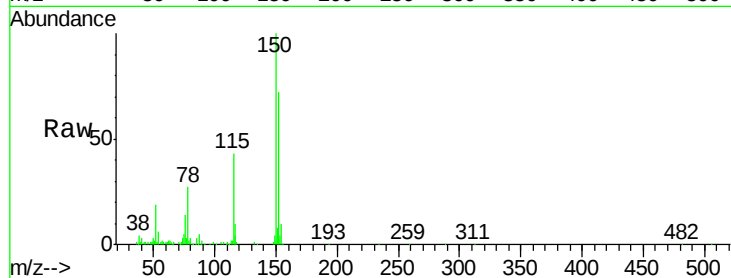
Tot Ion:152 Resp: 80564

Ion Ratio Lower Upper

152 100

150 139.3 126.6 189.8

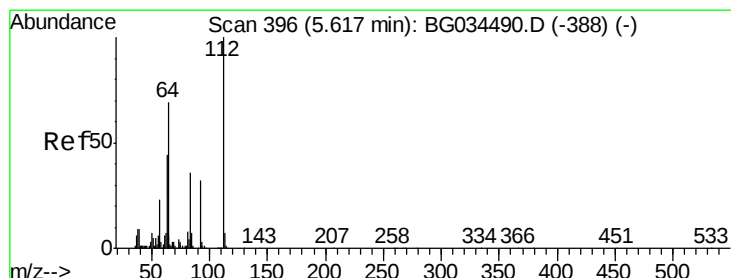
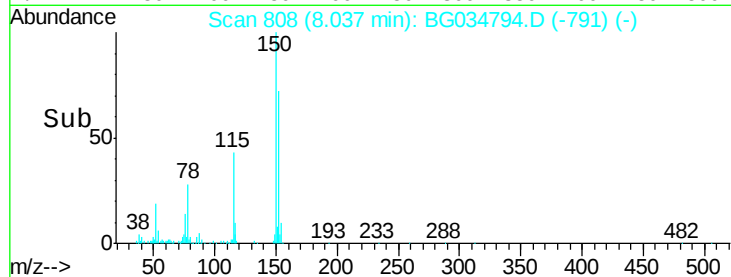
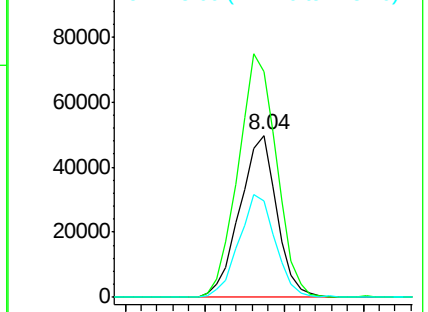
115 59.2 53.0 79.4



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: 135.96 ng

RT: 5.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: BG034794.D

Acq: 30 May 2018 2:01

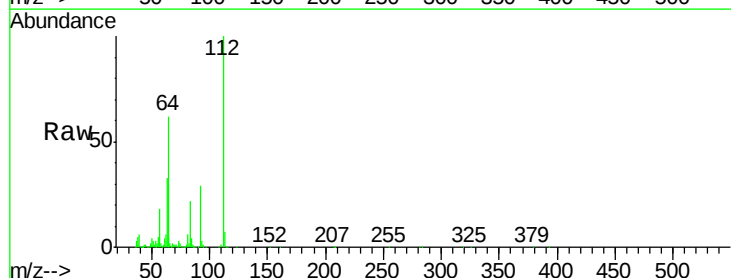
Tgt Ion:112 Resp: 711154

Ion Ratio Lower Upper

112 100

64 61.9 56.3 84.5

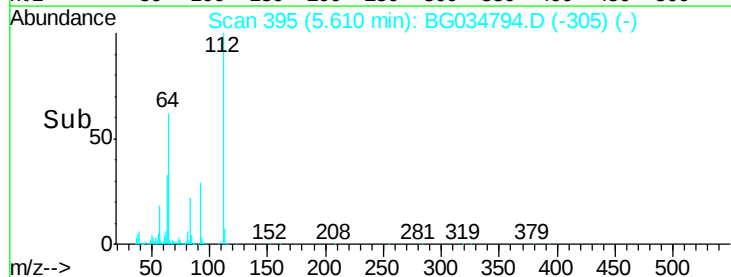
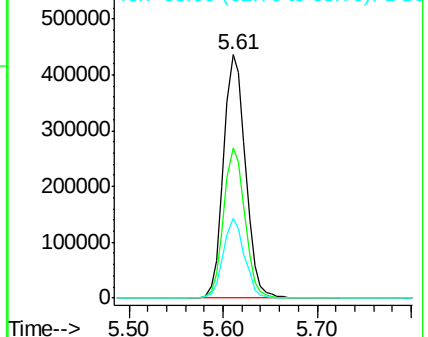
63 32.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 103.78 ng

RT: 7.20 min Scan# 666

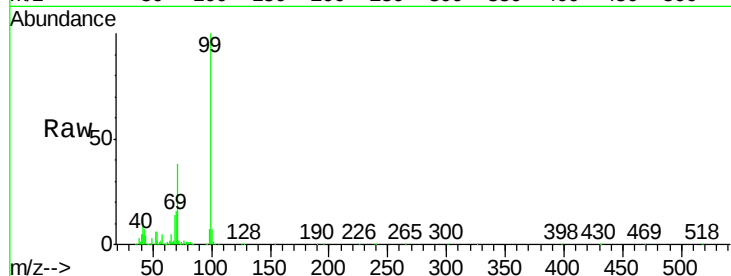
Delta R.T. -0.00 min

Lab File: BG034794.D

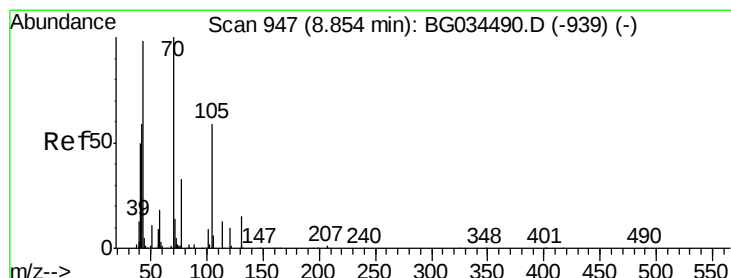
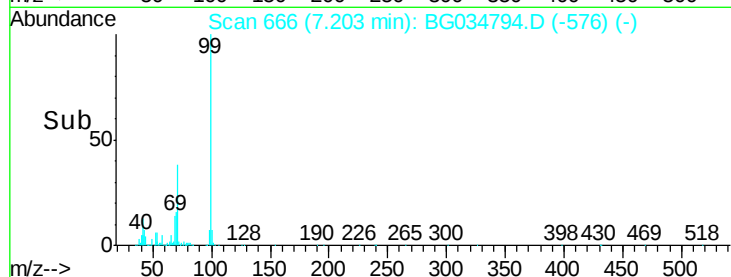
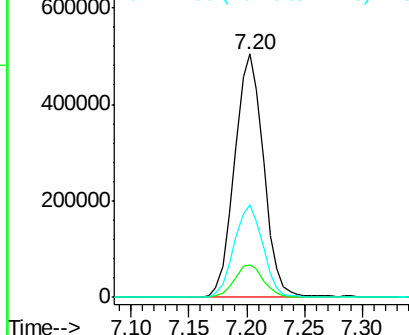
Acq: 30 May 2018 2:01

Tot Ion: 99 Resp: 878145

Ion	Ratio	Lower	Upper
99	100		
42	13.3	14.1	21.1#
71	38.1	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: 13.63 ng

RT: 9.20 min Scan# 1006

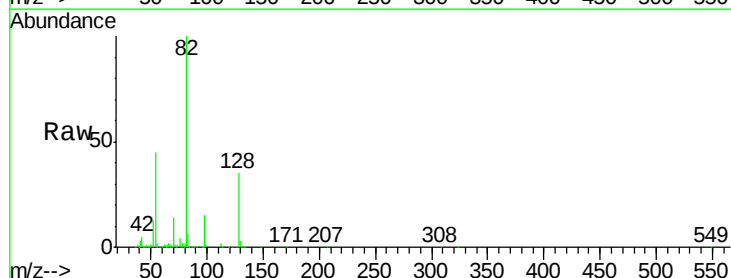
Delta R.T. 0.35 min

Lab File: BG034794.D

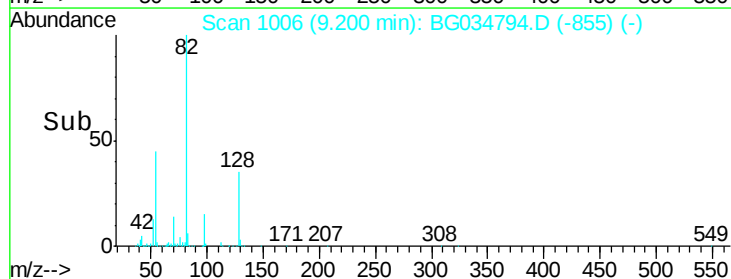
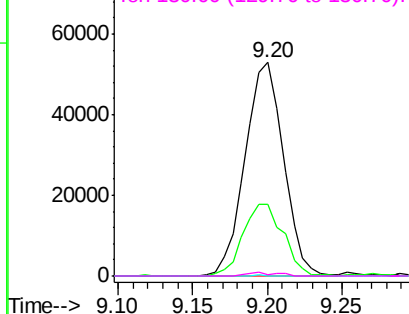
Acq: 30 May 2018 2:01

Tgt Ion: 70 Resp: 94447

Ion	Ratio	Lower	Upper
70	100		
42	33.7	49.1	73.7#
101	0.0	8.5	12.7#
130	0.8	13.4	20.0#



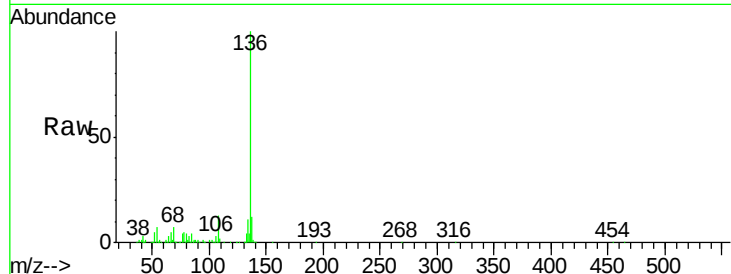
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



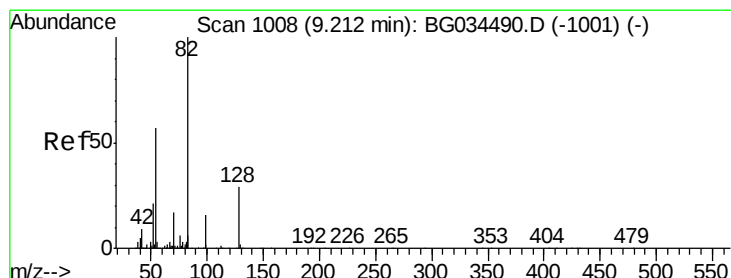
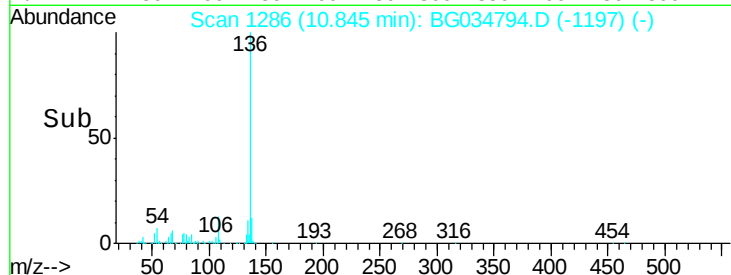
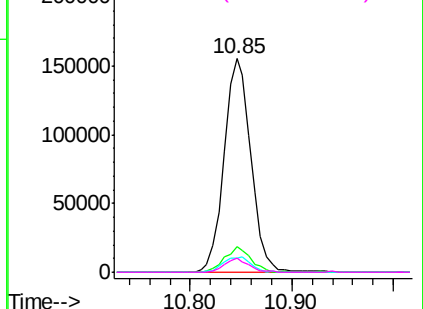


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG034794.D
Acq: 30 May 2018 2:01

Tot Ion:136	Resp:	283482
Ion Ratio	Lower	Upper
136	100	
137	12.1	9.2 13.8
54	6.9	10.3 15.5#
68	6.6	4.5 6.7

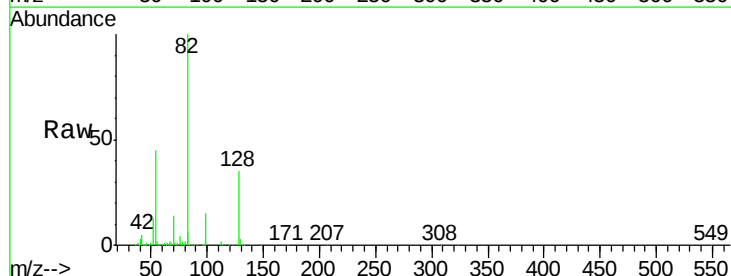


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

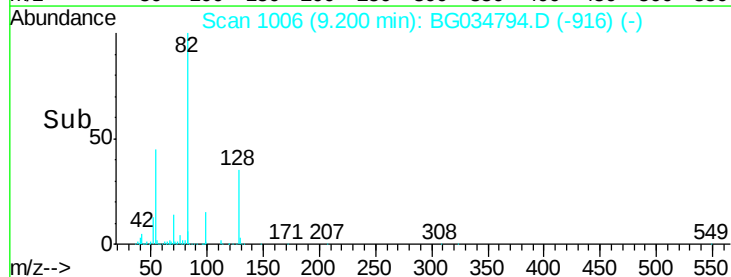
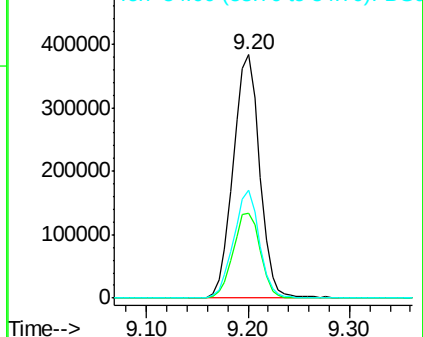


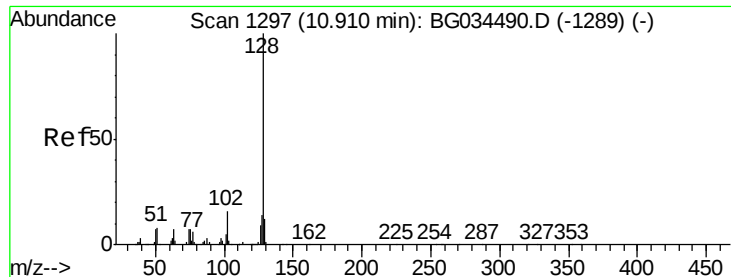
#23
Nitrobenzene-d5
Concen: 93.89 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BG034794.D
Acq: 30 May 2018 2:01

Tgt Ion: 82	Resp:	696728
Ion Ratio	Lower	Upper
82	100	
128	34.8	29.7 44.5
54	44.5	43.1 64.7



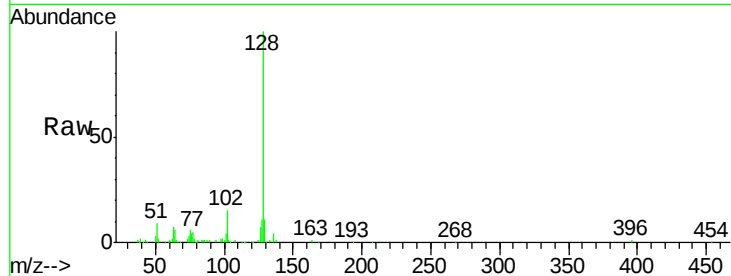
Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B



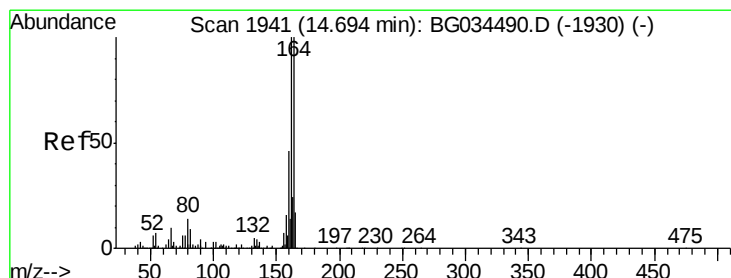
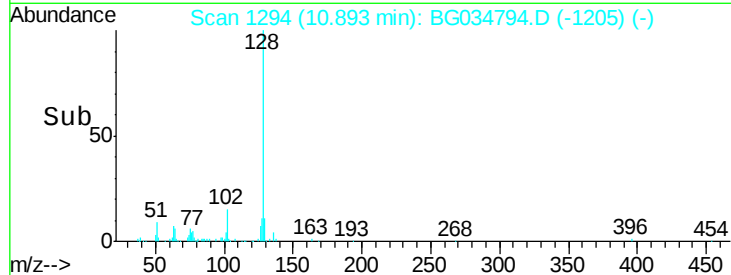
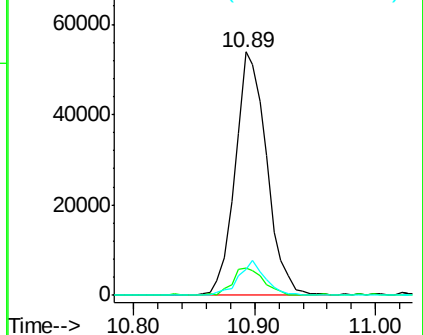


#31
Naphthalene
Concen: 6.64 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG034794.D
Acq: 30 May 2018 2:01

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	10.8	11.6	17.4

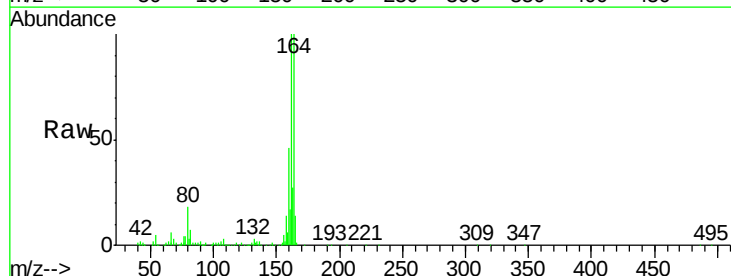


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

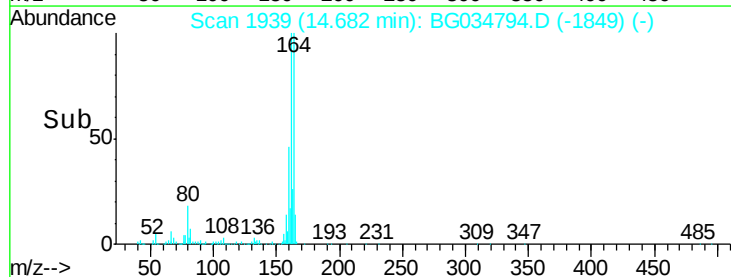
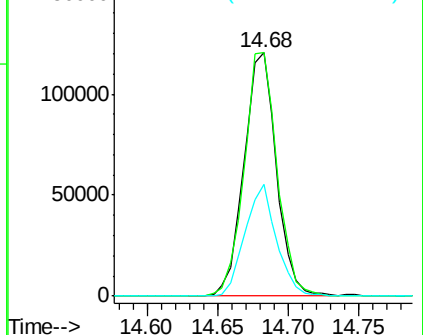


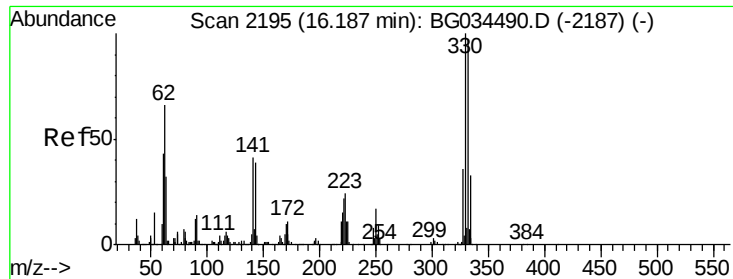
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BG034794.D
Acq: 30 May 2018 2:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	78.8	118.2
160	46.0	35.4	53.0



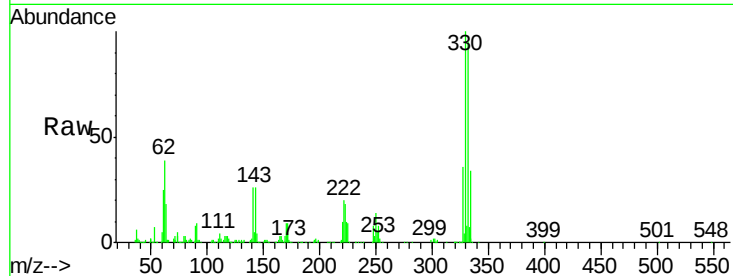
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



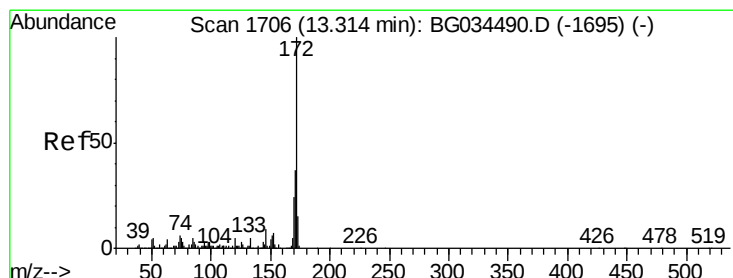
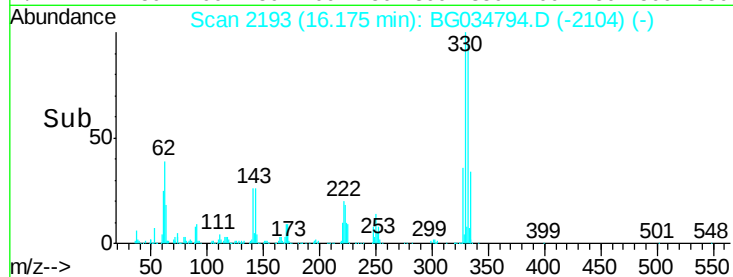
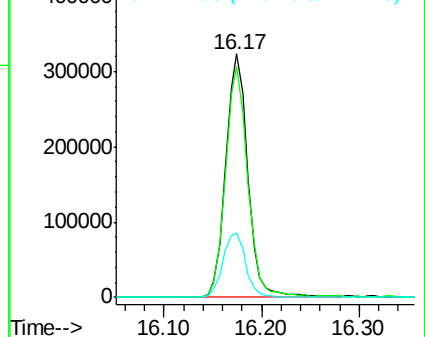


#41
2,4,6-Tribromophenol
Concen: 152.45 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BG034794.D
Acq: 30 May 2018 2:01

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	27.3	25.2	37.8

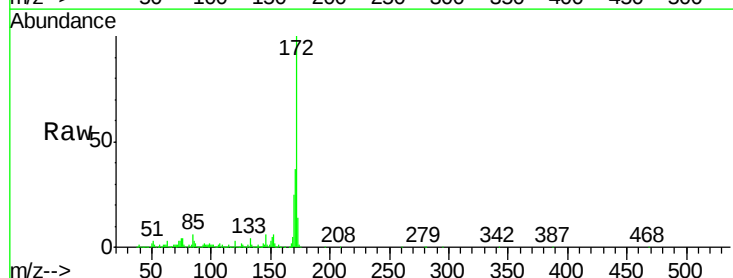


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

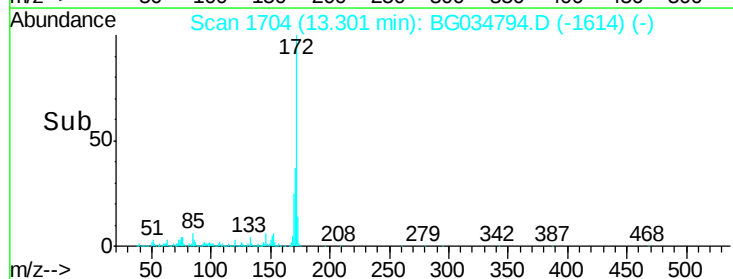
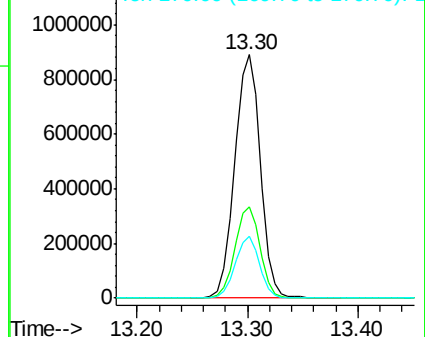


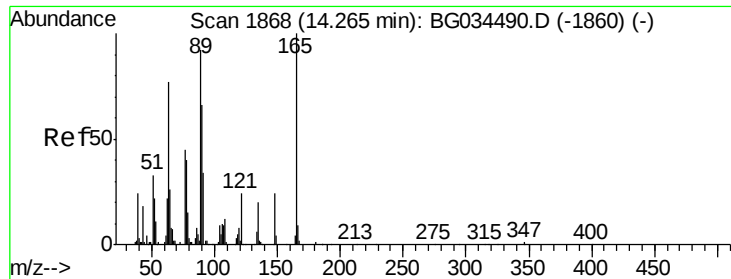
#44
2-Fluorobiphenyl
Concen: 101.92 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.00 min
Lab File: BG034794.D
Acq: 30 May 2018 2:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	25.3	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: 7.56 ng

RT: 14.68 min Scan# 1939

Delta R.T. 0.42 min

Lab File: BG034794.D

Acq: 30 May 2018 2:01

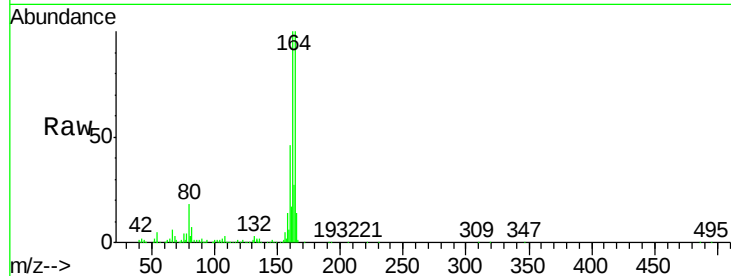
Tot Ion:165 Resp: 25913

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

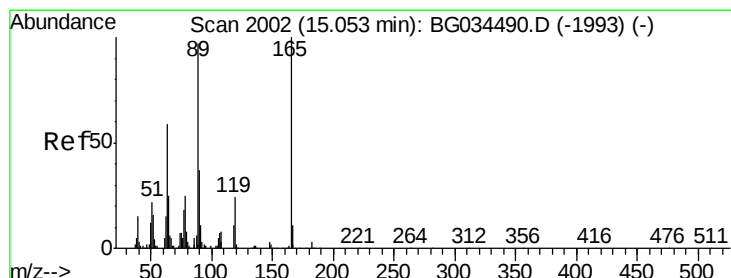
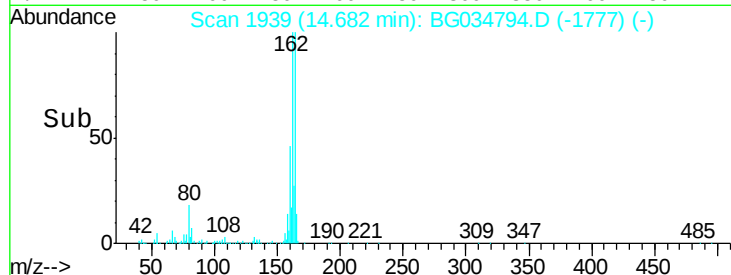
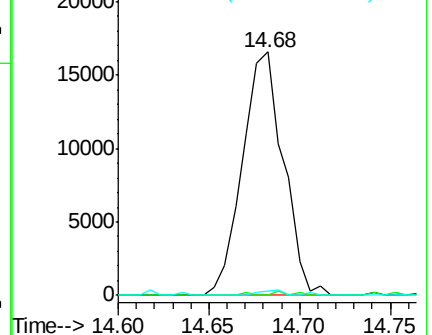
89 1.9 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56

2,4-Dinitrotoluene

Concen: 5.09 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.37 min

Lab File: BG034794.D

Acq: 30 May 2018 2:01

Tgt Ion:165 Resp: 25913

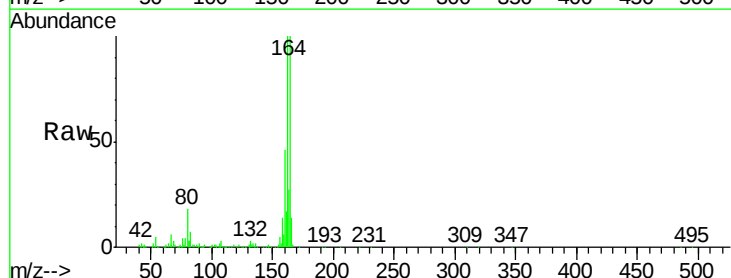
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.9 66.9 100.3#

182 0.0 2.6 3.8#

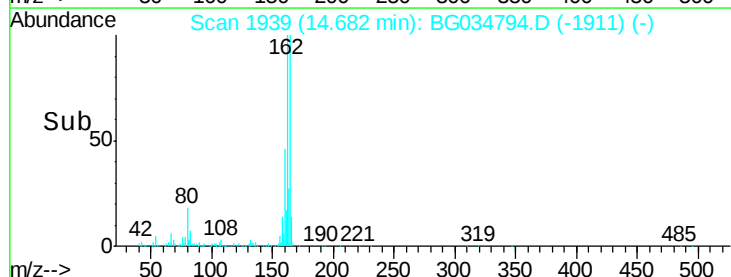
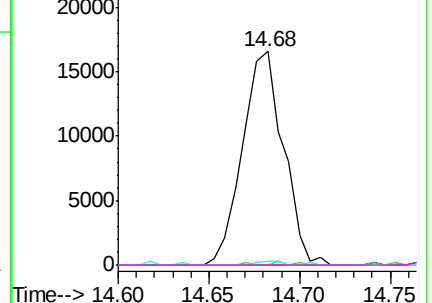


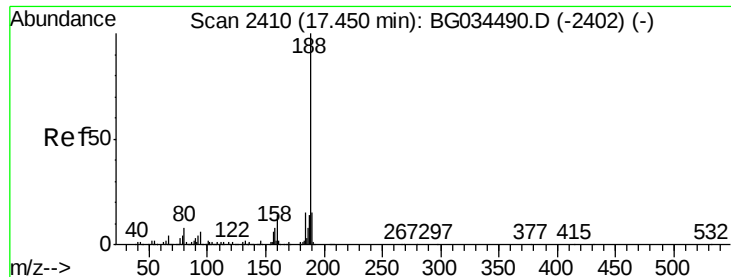
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

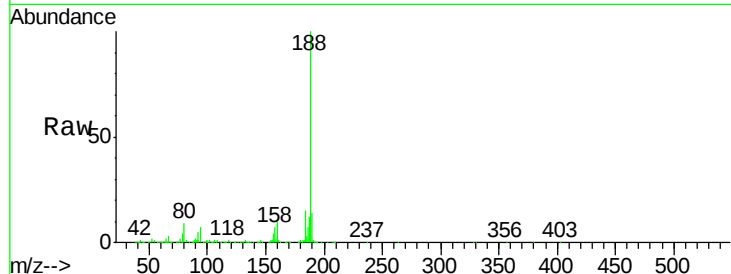
Ion 182.00 (181.70 to 182.70): E





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BG034794.D
Acq: 30 May 2018 2:01

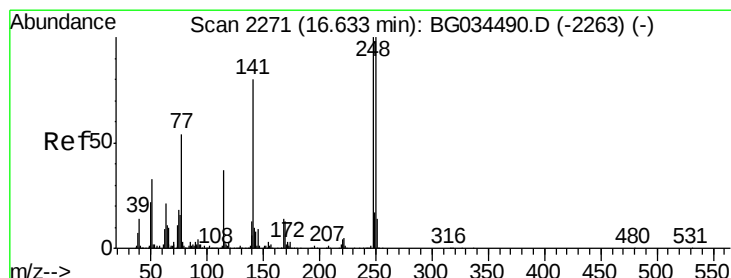
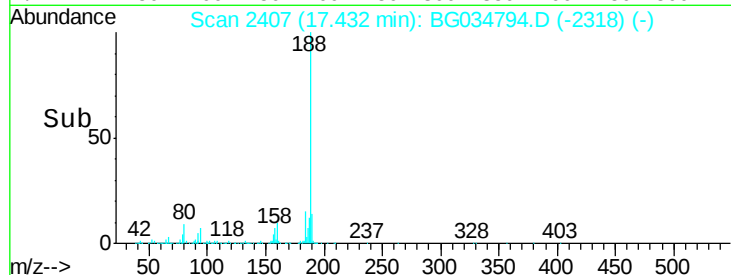
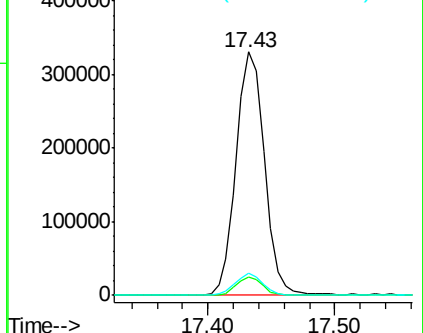
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.9	10.3
80	8.9	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): E

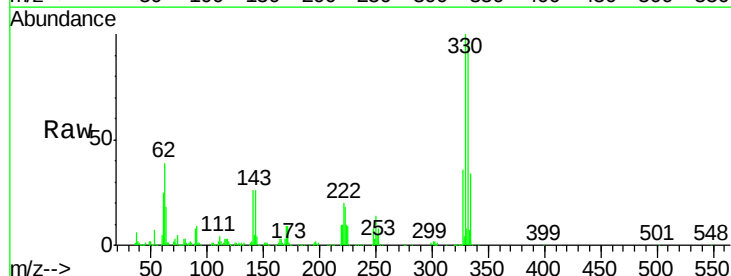
Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#66
4-Bromophenyl-phenylether
Concen: 5.51 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG034794.D
Acq: 30 May 2018 2:01

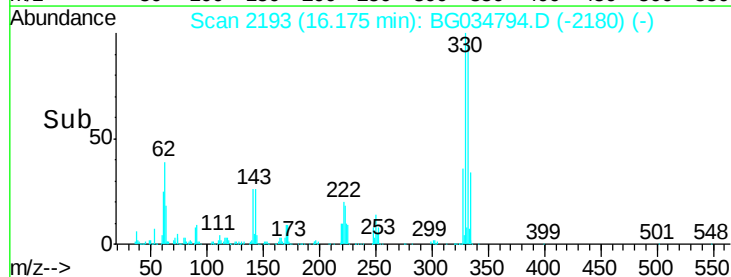
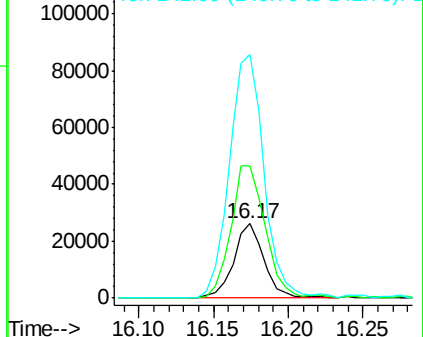
Tgt Ion	Ratio	Lower	Upper
248	100		
250	179.2	77.1	115.7#
141	328.5	50.8	76.2#

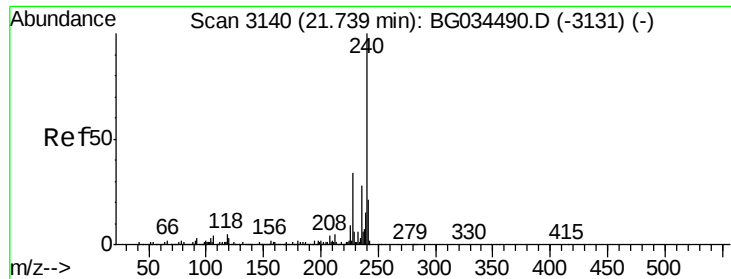


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

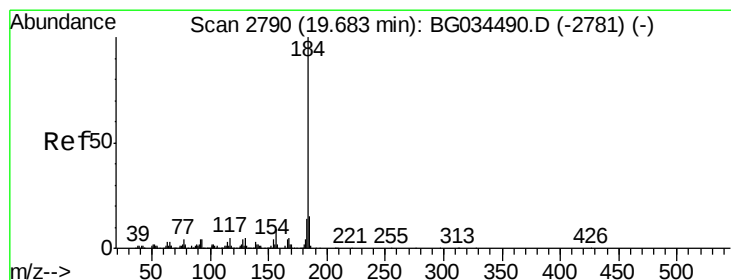
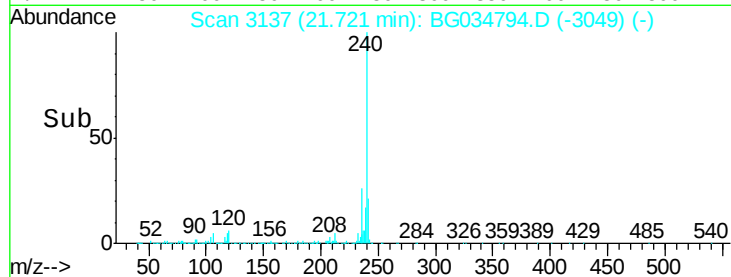
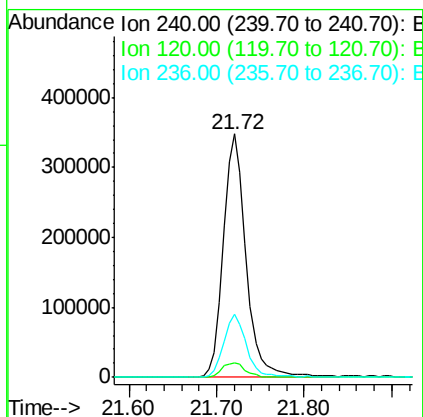
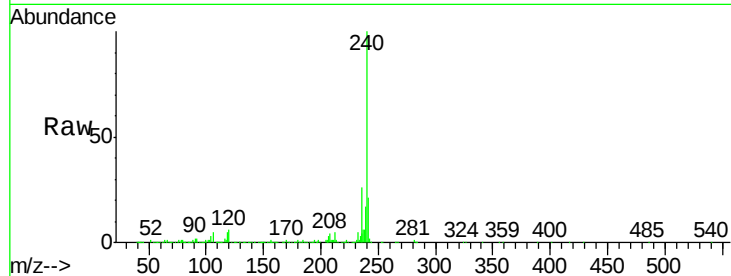
Ion 141.00 (140.70 to 141.70): E





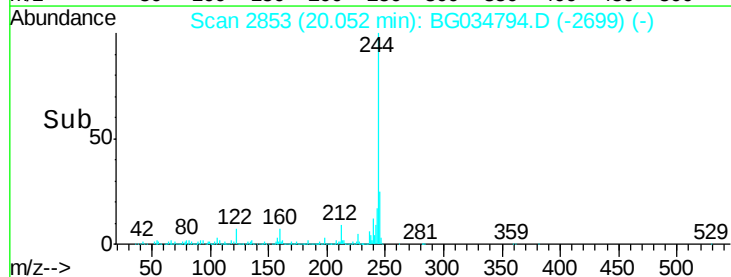
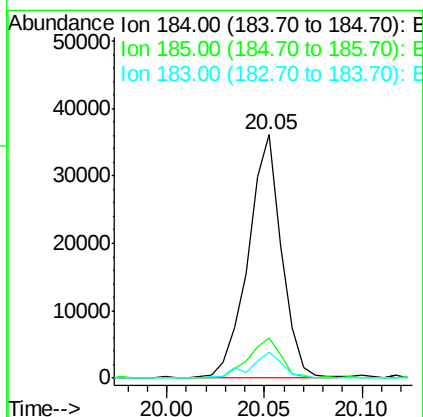
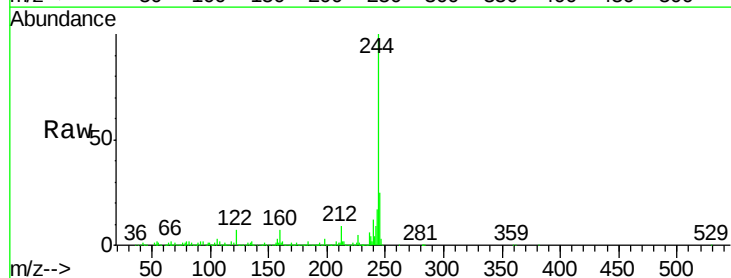
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.72 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG034794.D
Acq: 30 May 2018 2:01

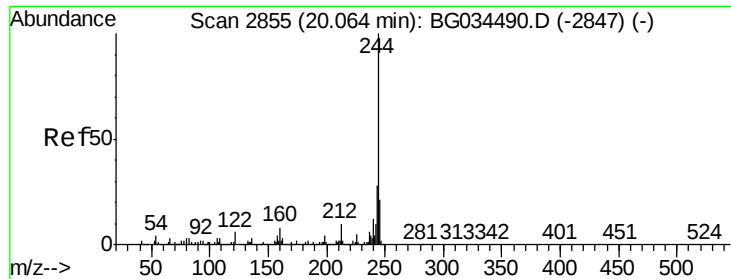
Tot Ion:240 Resp: 626514
Ion Ratio Lower Upper
240 100
120 6.0 6.8 10.2#
236 25.7 20.9 31.3



#76
Benzidine
Concen: 5.74 ng
RT: 20.05 min Scan# 2853
Delta R.T. 0.37 min
Lab File: BG034794.D
Acq: 30 May 2018 2:01

Tgt Ion:184 Resp: 42915
Ion Ratio Lower Upper
184 100
185 16.2 11.1 16.7
183 10.4 10.6 16.0#





#78

Terphenyl-d14

Concen: 100.82 ng

RT: 20.05 min Scan# 2853

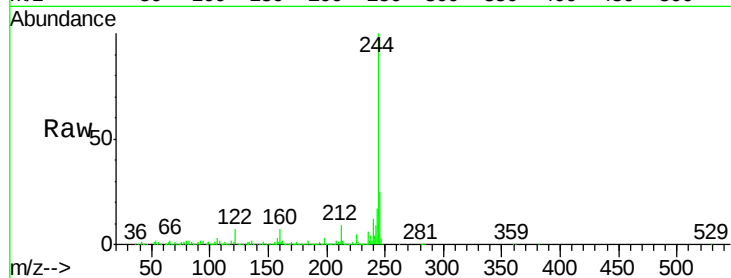
Delta R.T. -0.01 min

Lab File: BG034794.D

Acq: 30 May 2018 2:01

Tot Ion:244 Resp: 2880434

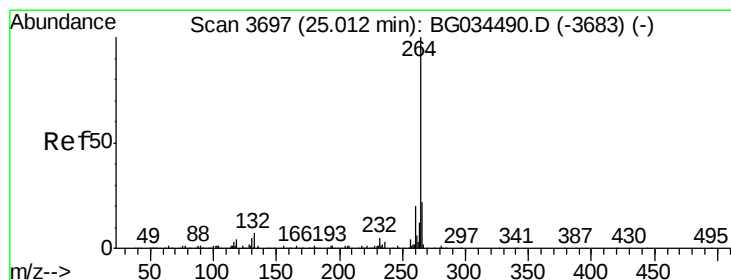
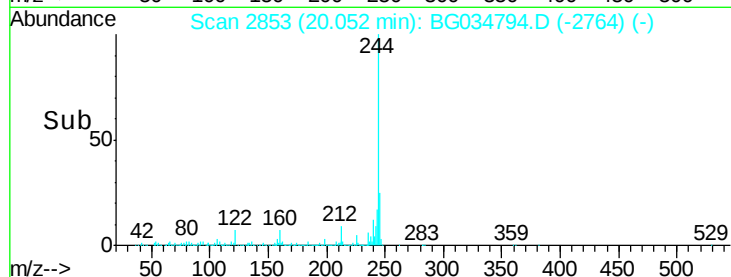
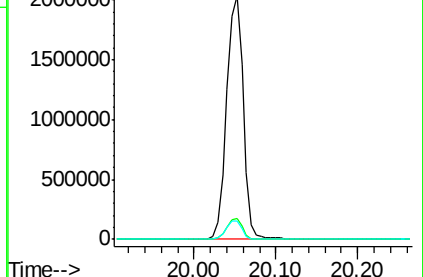
Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.8#
122	7.4	7.0	10.4



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

Perylene-d12

Concen: 20.00 ng

RT: 24.98 min Scan# 3692

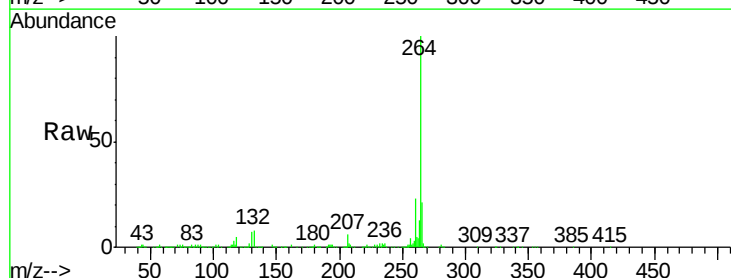
Delta R.T. -0.02 min

Lab File: BG034794.D

Acq: 30 May 2018 2:01

Tgt Ion:264 Resp: 596958

Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.0
265	20.8	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

