

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034788.D
 Acq On : 29 May 2018 22:10
 Operator : SJ/JU
 Sample : J3157-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

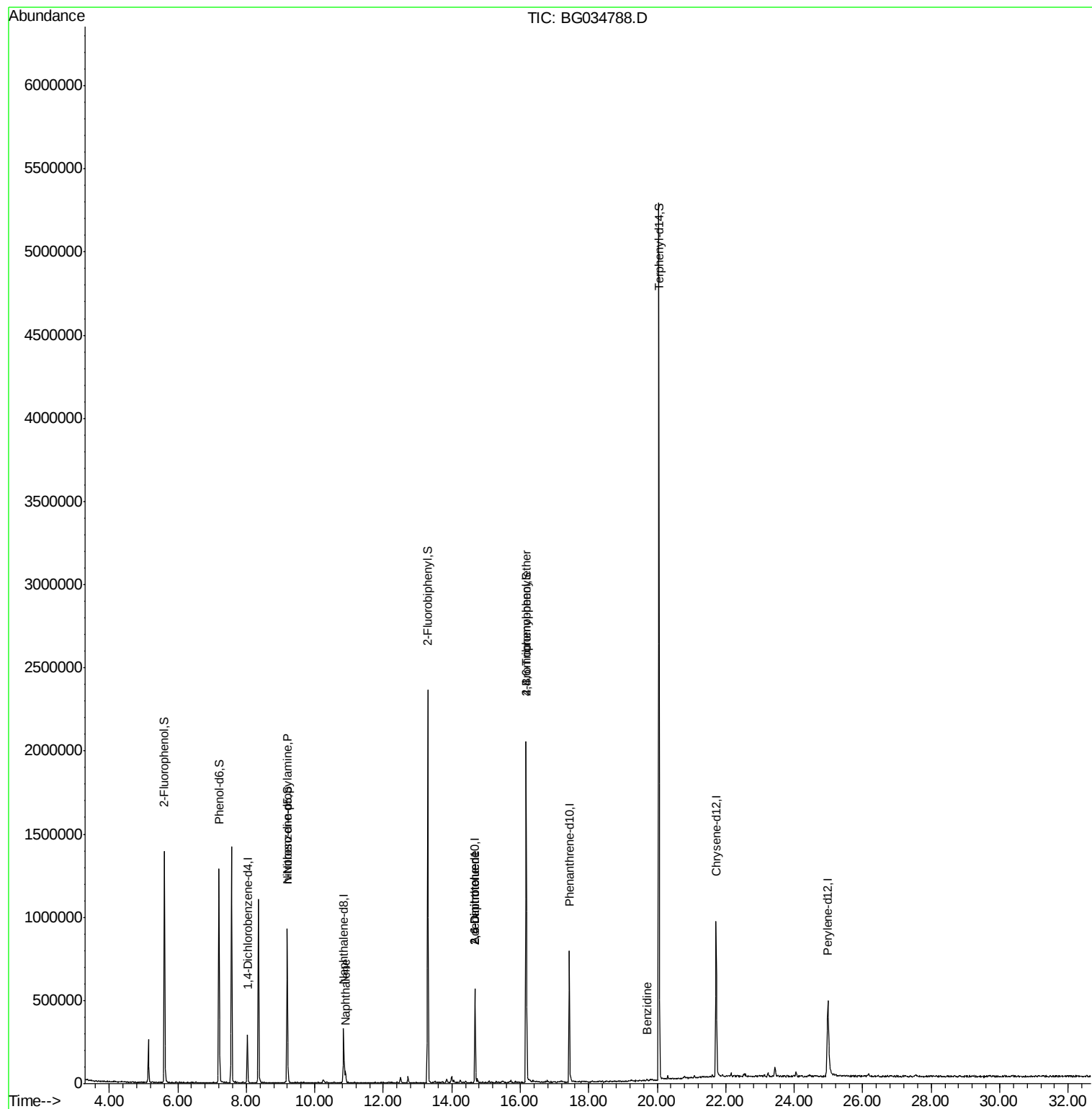
Quant Time: May 30 04:22:31 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

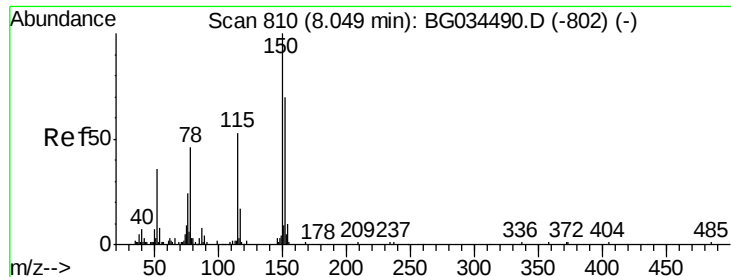
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	85627	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	294946	20.00	ng	-0.01
38) Acenaphthene-d10	14.68	164	200916	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	531168	20.00	ng	0.00
75) Chrysene-d12	21.72	240	657729	20.00	ng	-0.02
86) Perylene-d12	24.99	264	647469	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	638156	114.79	ng	0.00
7) Phenol-d6	7.20	99	820479	91.23	ng	0.00
23) Nitrobenzene-d5	9.20	82	619442	80.23	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	467313	135.05	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	1286058	86.90	ng	0.00
78) Terphenyl-d14	20.05	244	2634961	87.85	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	9.20	70	84870	11.52	ng	# 67
31) Naphthalene	10.89	128	61940	4.04	ng	97
50) 2,6-Dinitrotoluene	14.68	165	25050	7.04	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	25050	4.75	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	35061	5.02	ng	# 1
76) Benzidine	19.70	184	8846	3.88	ng	# 91

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

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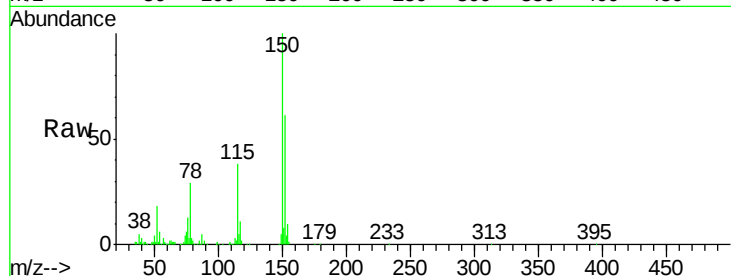




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 808
Delta R.T. 0.00 min
Lab File: BG034788.D
Acq: 29 May 2018 22:10

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.3	126.6	189.8
115	61.6	53.0	79.4

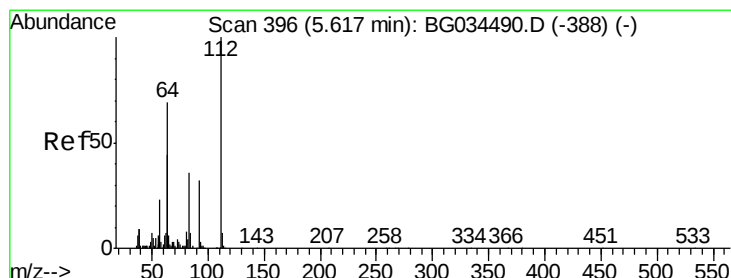
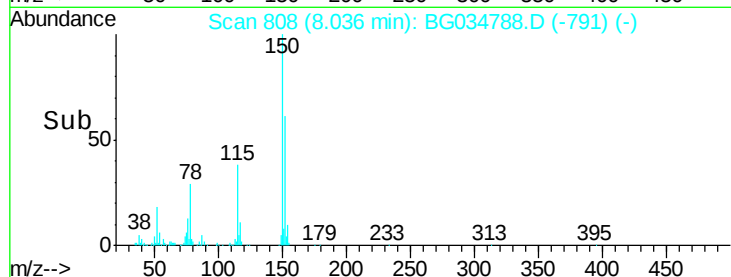
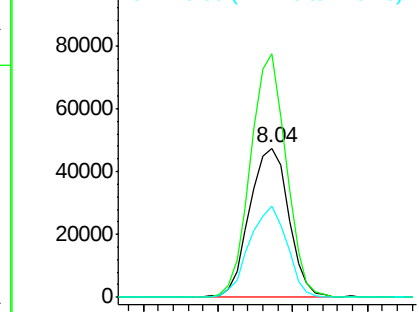


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

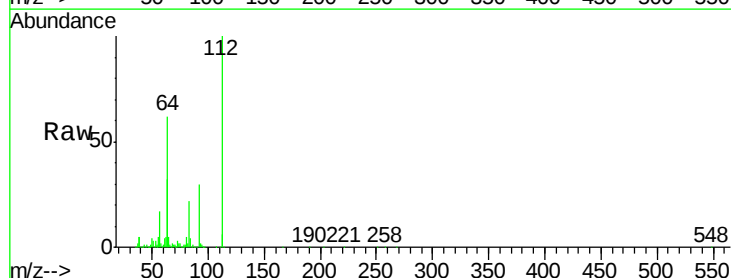
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 114.79 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG034788.D
Acq: 29 May 2018 22:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	56.3	84.5
63	32.3	30.1	45.1

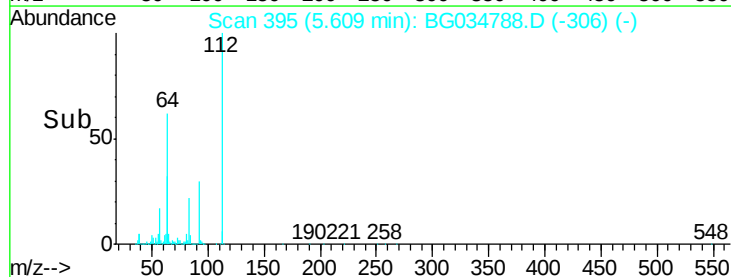
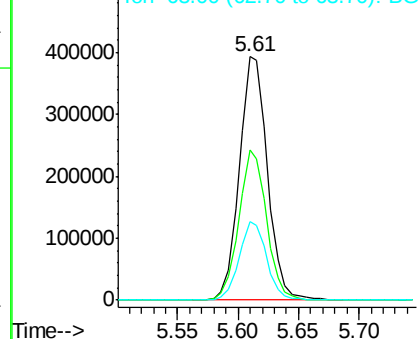


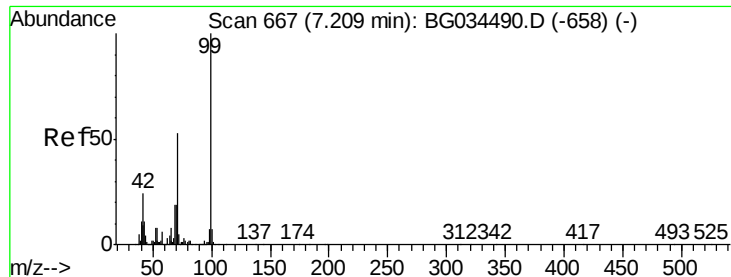
Abundance

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: 91.23 ng

RT: 7.20 min Scan# 666

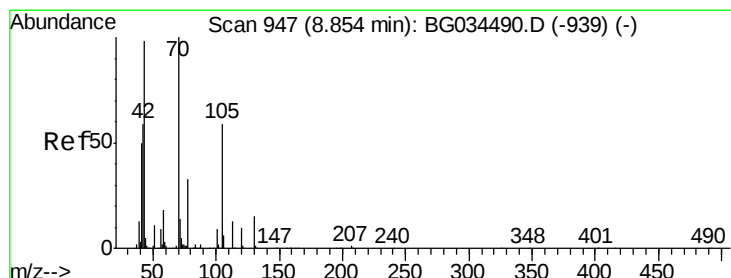
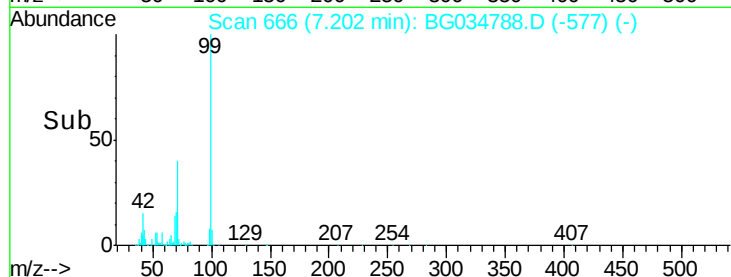
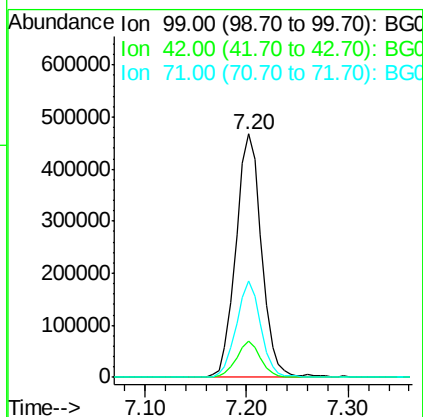
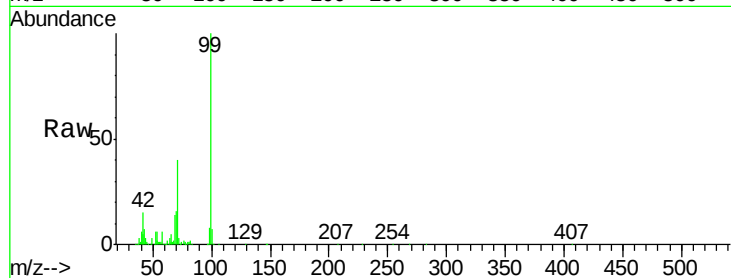
Delta R.T. -0.00 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

Tot Ion: 99 Resp: 820479

Ion	Ratio	Lower	Upper
99	100		
42	14.9	14.1	21.1
71	39.8	26.1	39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 11.52 ng

RT: 9.20 min Scan# 1006

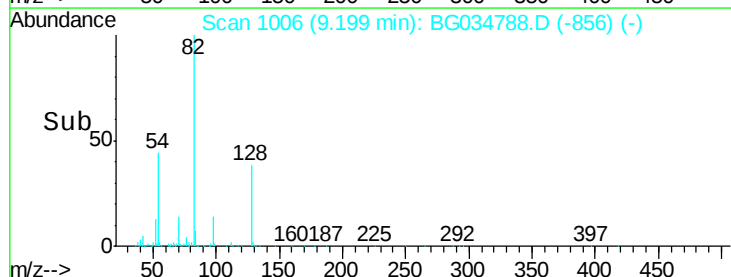
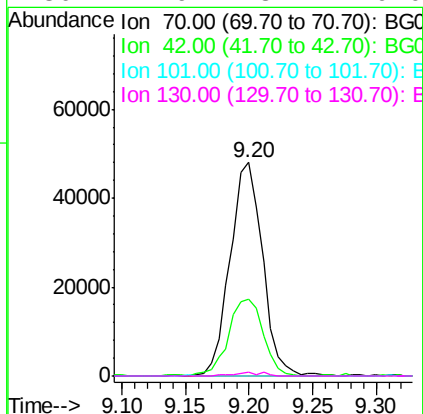
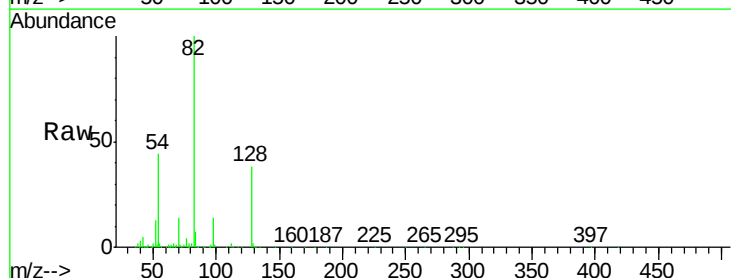
Delta R.T. 0.35 min

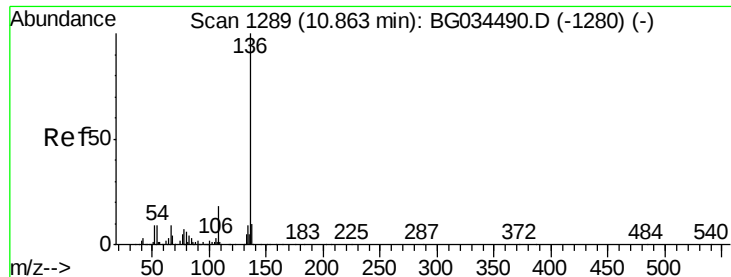
Lab File: BG034788.D

Acq: 29 May 2018 22:10

Tgt Ion: 70 Resp: 84870

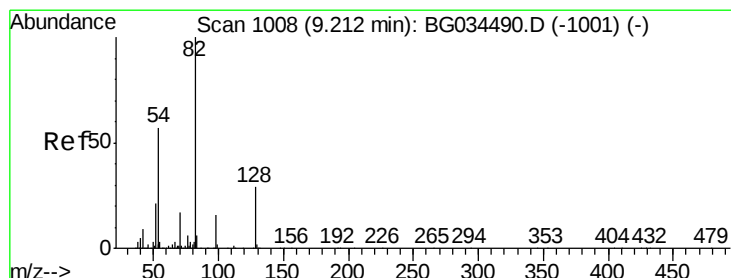
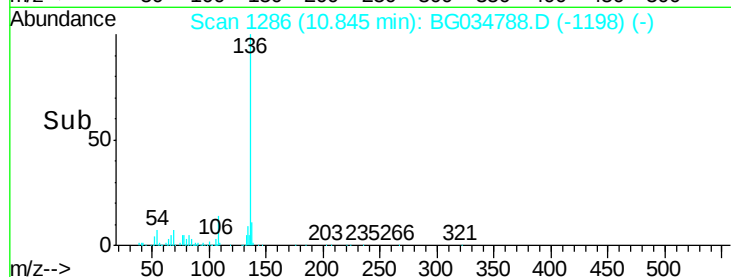
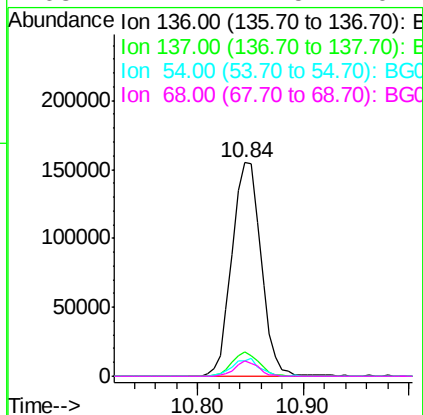
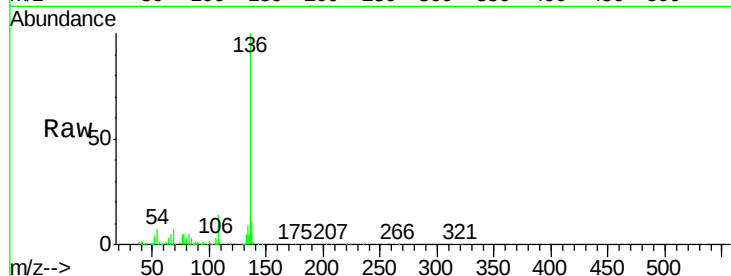
Ion	Ratio	Lower	Upper
70	100		
42	36.2	49.1	73.7#
101	0.0	8.5	12.7#
130	1.9	13.4	20.0#





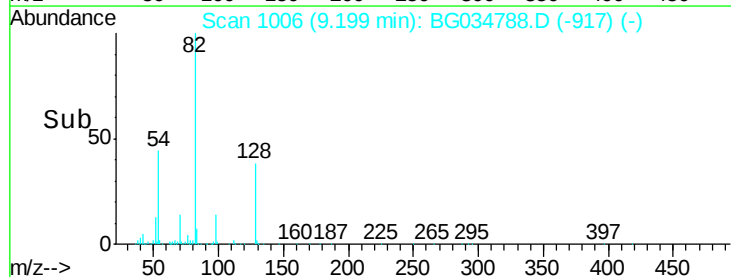
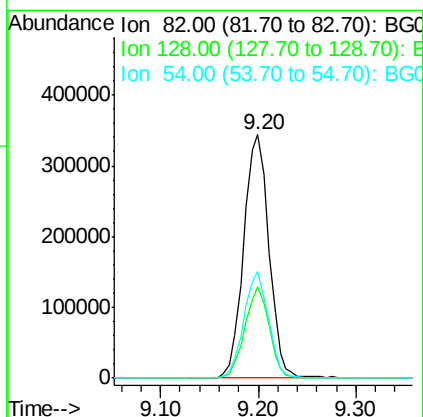
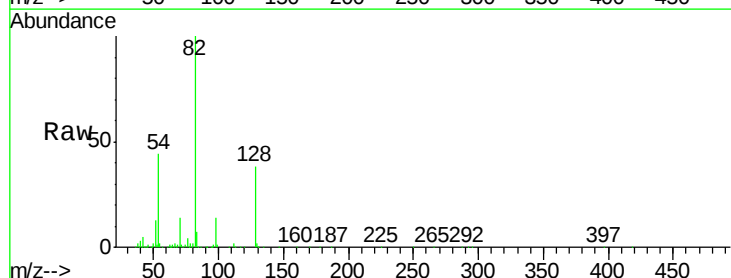
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG034788.D
Acq: 29 May 2018 22:10

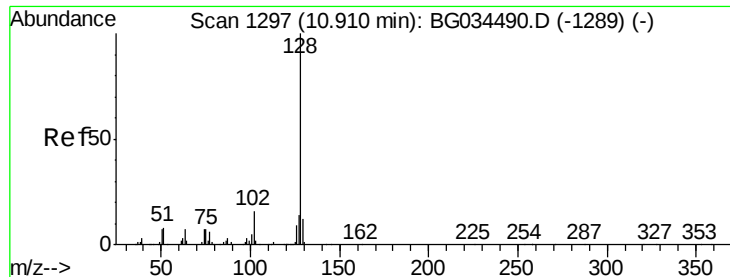
Tot Ion:136	Resp:	294946
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.2 13.8
54	7.0	10.3 15.5#
68	7.1	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 80.23 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BG034788.D
Acq: 29 May 2018 22:10

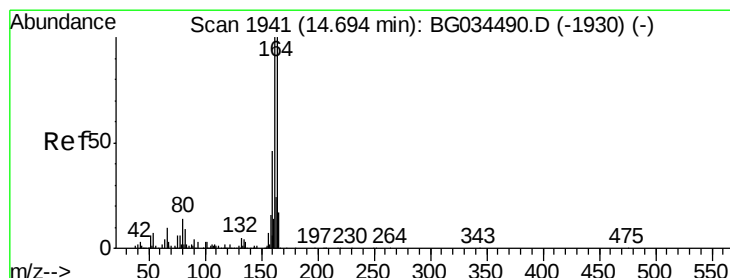
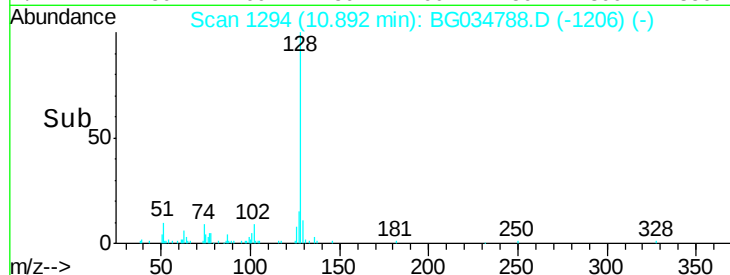
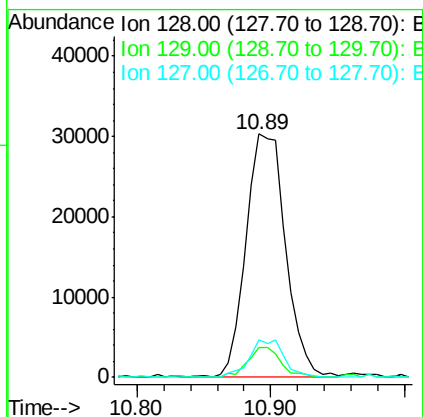
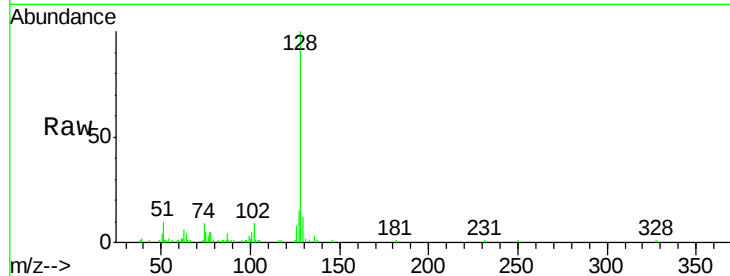
Tgt Ion: 82	Resp:	619442
Ion Ratio	Lower	Upper
82	100	
128	37.6	29.7 44.5
54	43.8	43.1 64.7





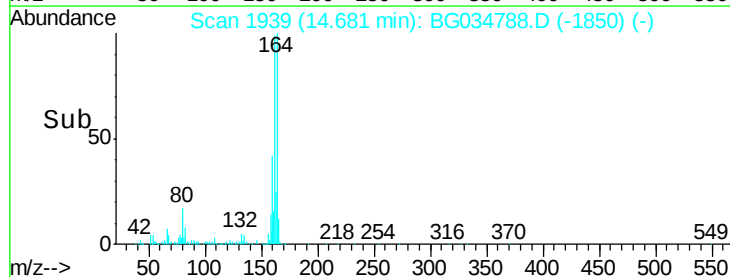
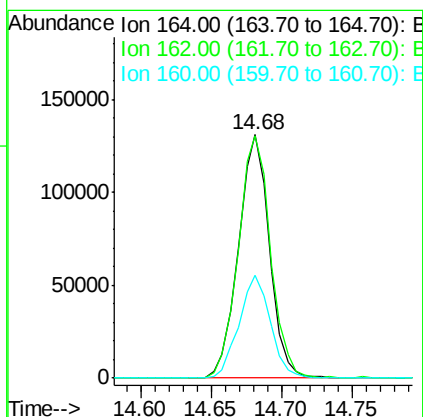
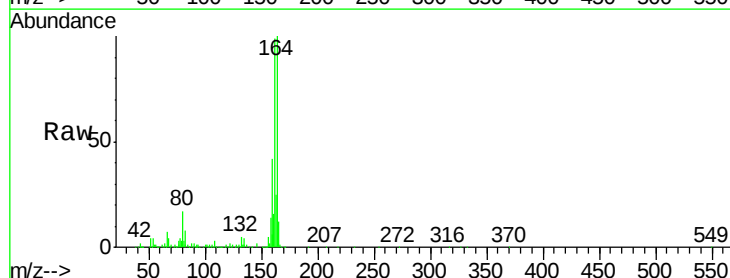
#31
Naphthalene
Concen: 4.04 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG034788.D
Acq: 29 May 2018 22:10

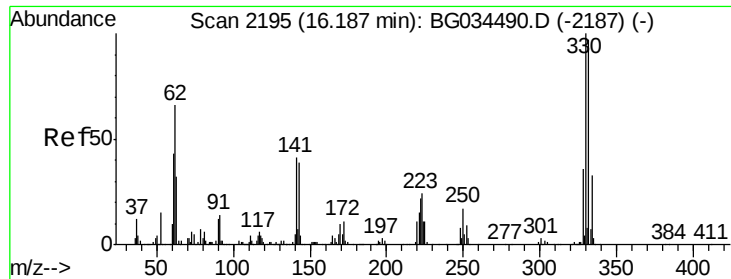
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.6	12.8
127	15.4	11.6	17.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BG034788.D
Acq: 29 May 2018 22:10

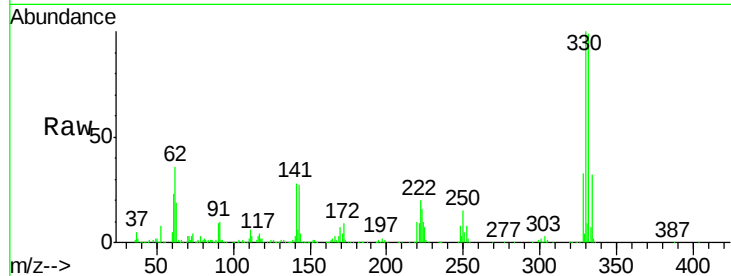
Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	78.8	118.2
160	42.4	35.4	53.0



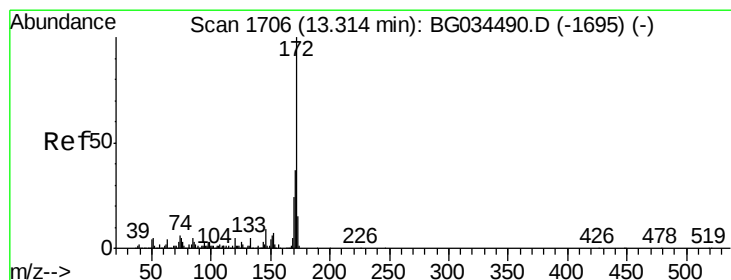
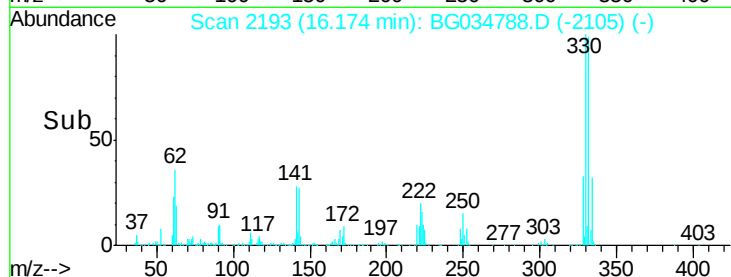
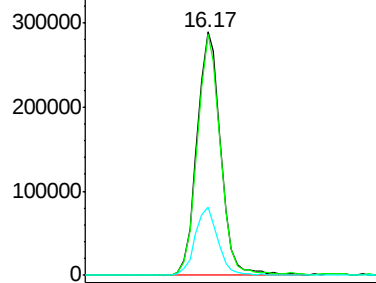


#41
 2,4,6-Tribromophenol
 Concen: 135.05 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG034788.D
 Acq: 29 May 2018 22:10

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	26.8	25.2	37.8

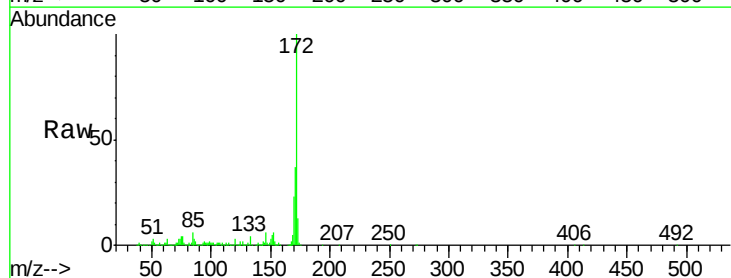


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

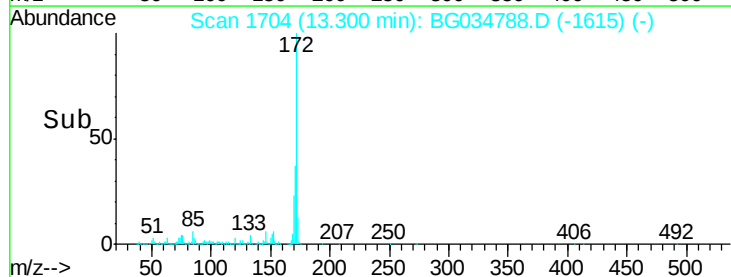
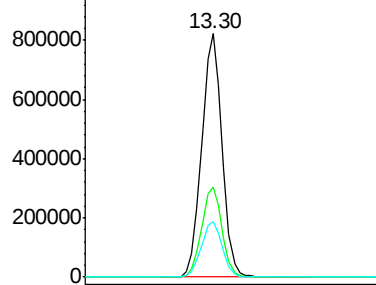


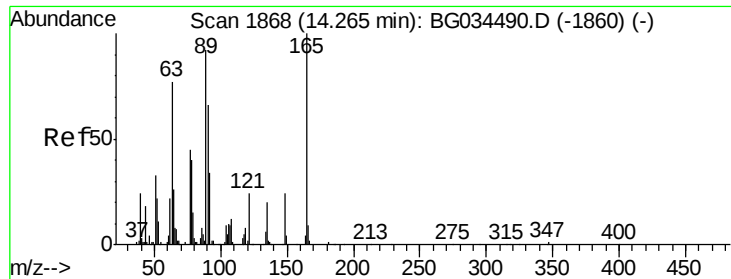
#44
 2-Fluorobiphenyl
 Concen: 86.90 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG034788.D
 Acq: 29 May 2018 22:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	23.0	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: 7.04 ng

RT: 14.68 min Scan# 1938

Delta R.T. 0.41 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

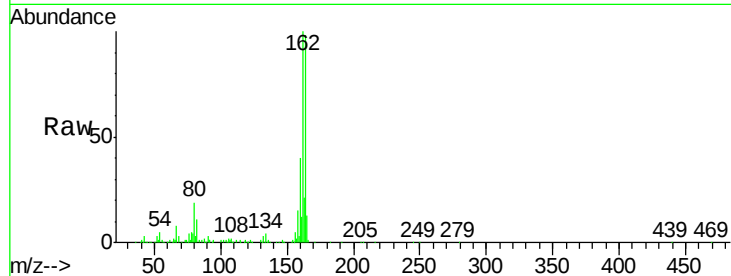
Tot Ion:165 Resp: 25050

Ion Ratio Lower Upper

165 100

63 1.3 52.7 79.1#

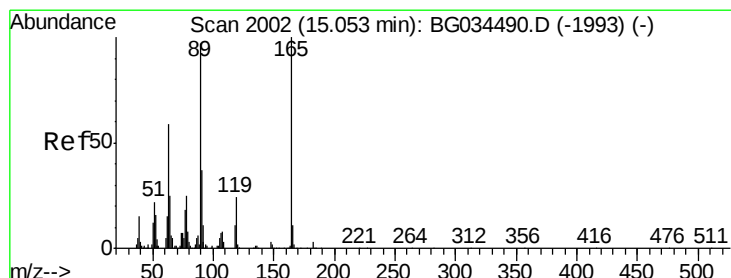
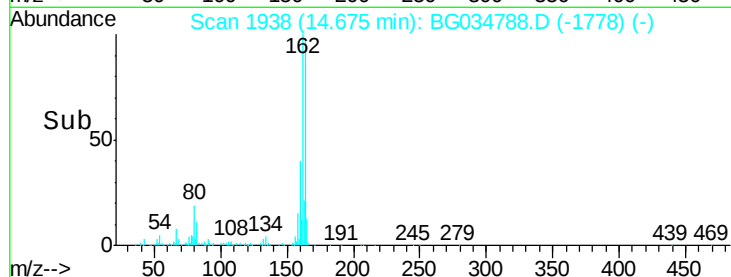
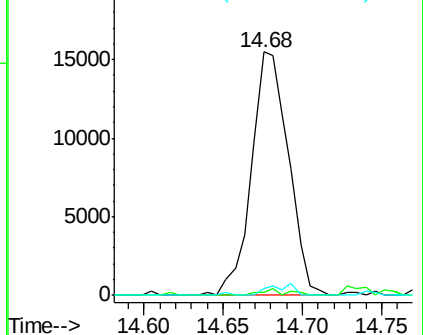
89 2.8 49.2 73.8#



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: 4.75 ng

RT: 14.68 min Scan# 1938

Delta R.T. -0.37 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

Tgt Ion:165 Resp: 25050

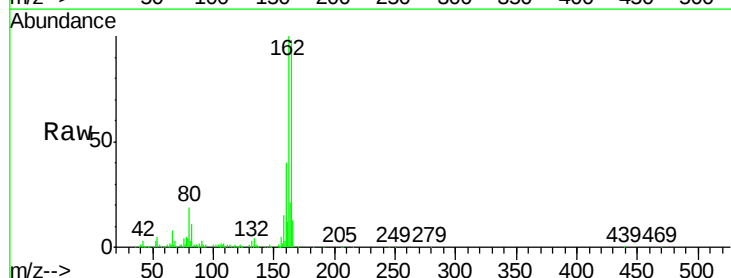
Ion Ratio Lower Upper

165 100

63 1.3 42.0 63.0#

89 2.8 66.9 100.3#

182 1.3 2.6 3.8#

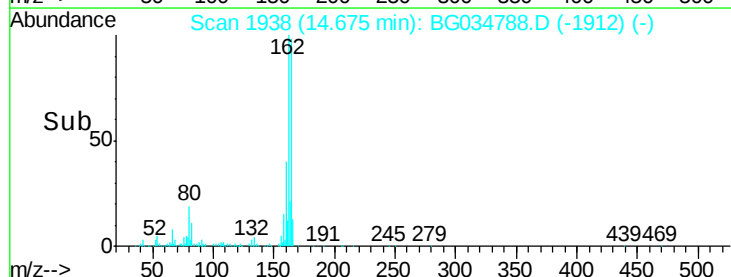
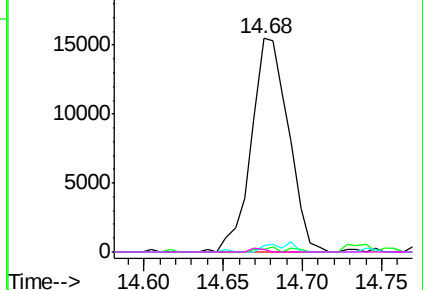


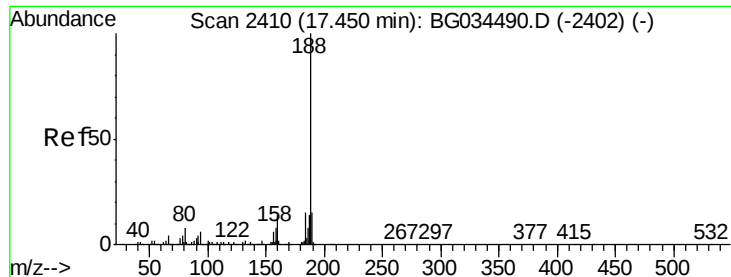
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.44 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

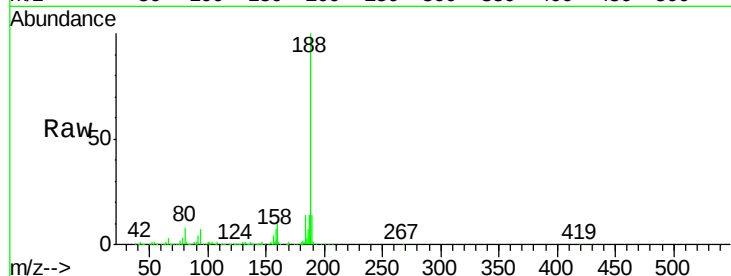
Tot Ion:188 Resp: 531168

Ion Ratio Lower Upper

188 100

94 6.8 6.9 10.3#

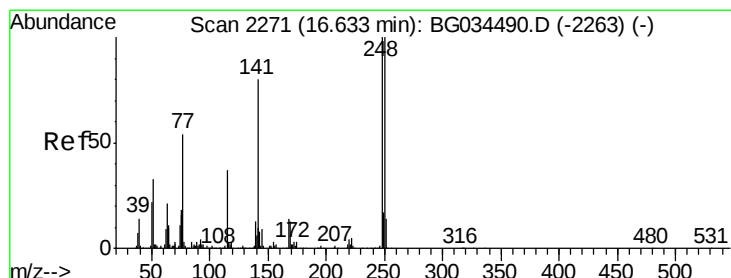
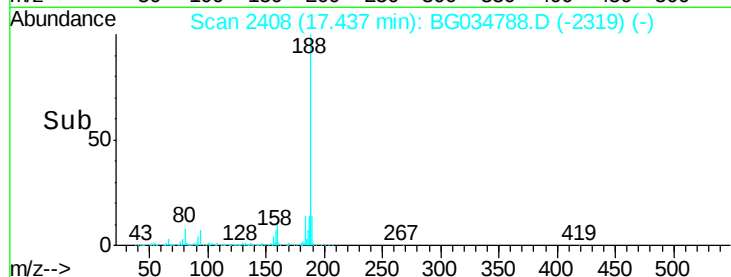
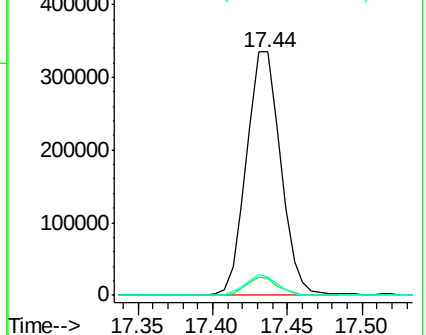
80 7.7 7.7 11.5



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: 5.02 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

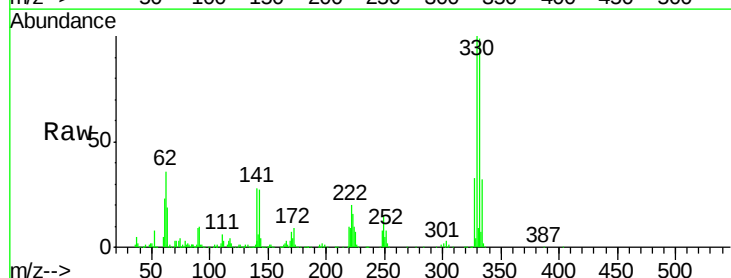
Tgt Ion:248 Resp: 35061

Ion Ratio Lower Upper

248 100

250 180.6 77.1 115.7#

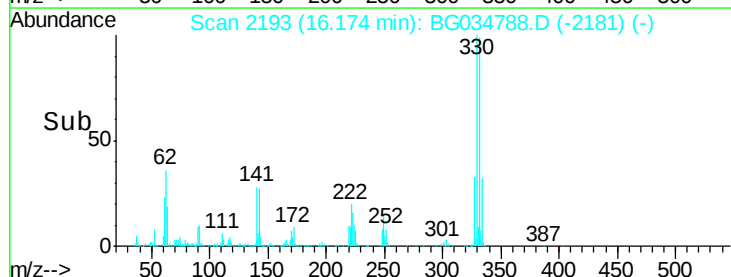
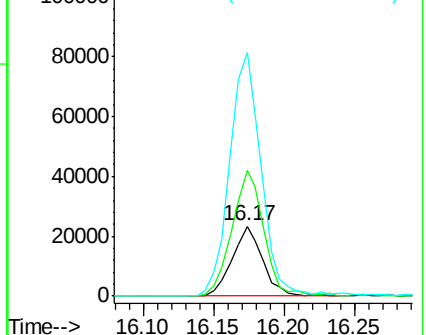
141 347.8 50.8 76.2#

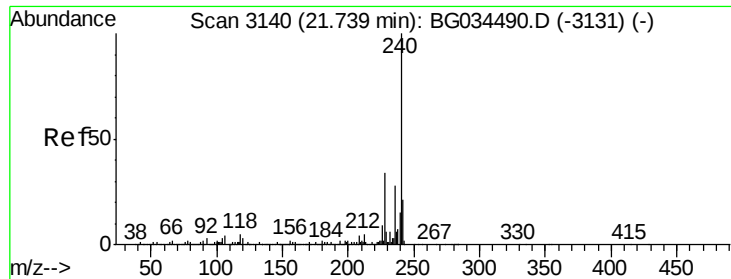


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG034788.D

Acq: 29 May 2018 22:10

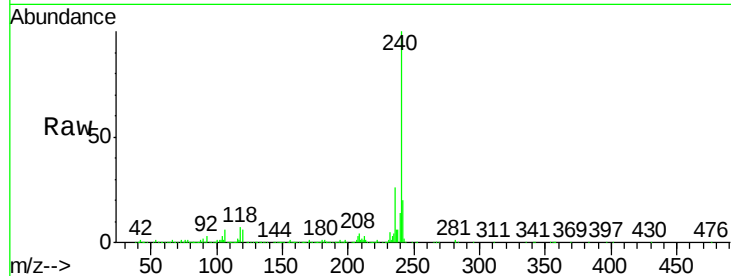
Tot Ion:240 Resp: 657729

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

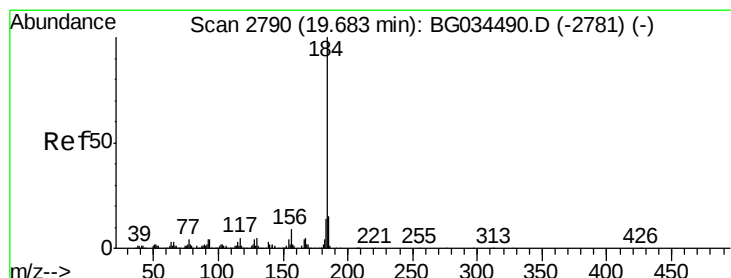
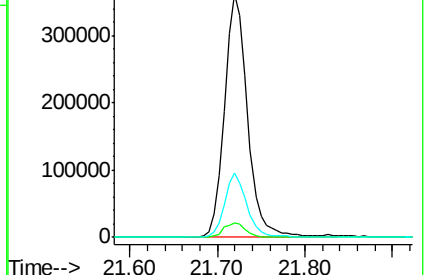
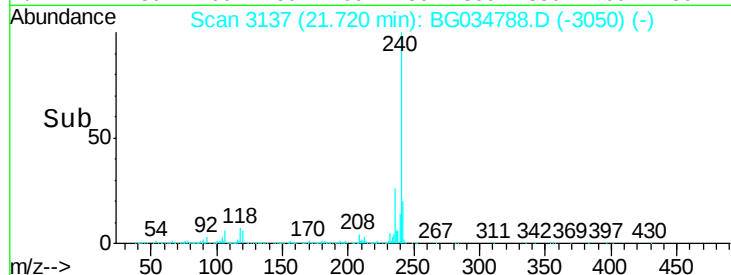
236 26.5 20.9 31.3



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: 3.88 ng

RT: 19.70 min Scan# 2793

Delta R.T. 0.02 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

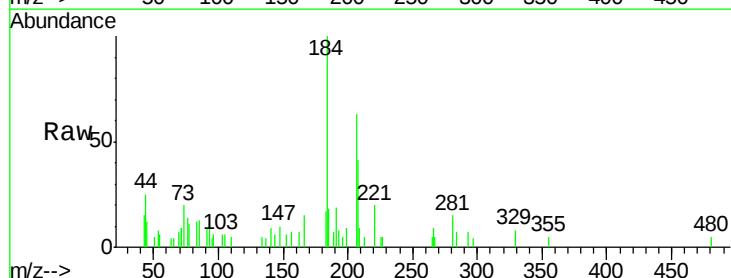
Tgt Ion:184 Resp: 8846

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

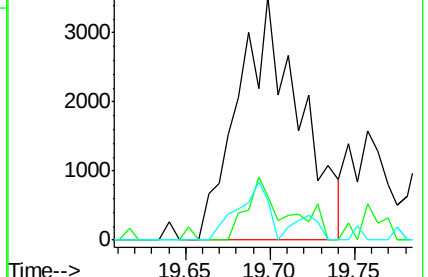
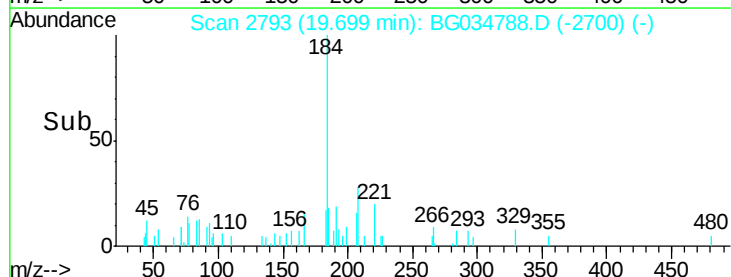
183 16.7 10.6 16.0#

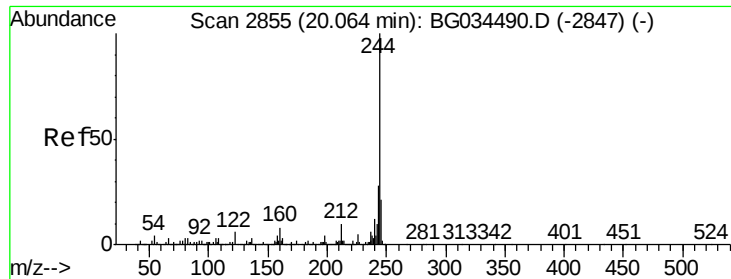


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 87.85 ng

RT: 20.05 min Scan# 2853

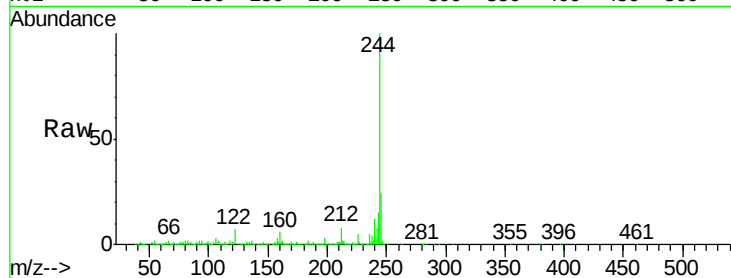
Delta R.T. -0.01 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

Tot Ion:244 Resp: 2634961

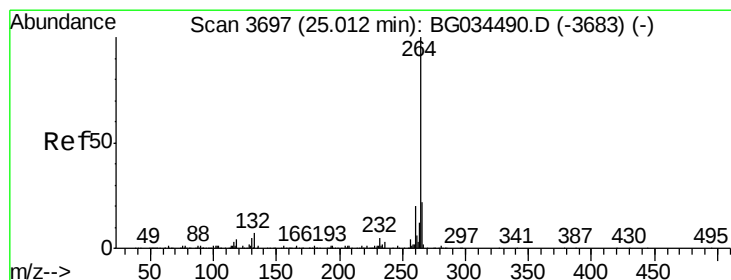
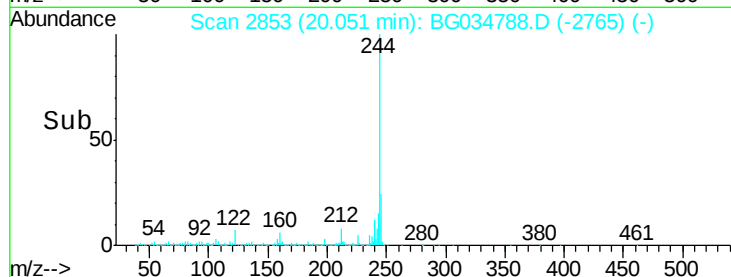
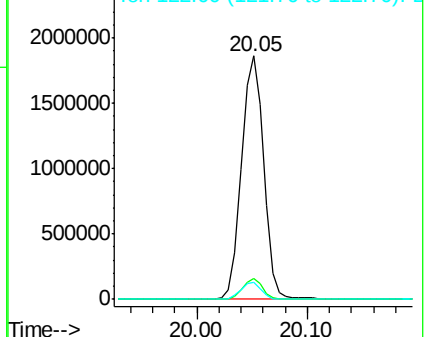
Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.8	8.8
122	7.1	7.0	10.4



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

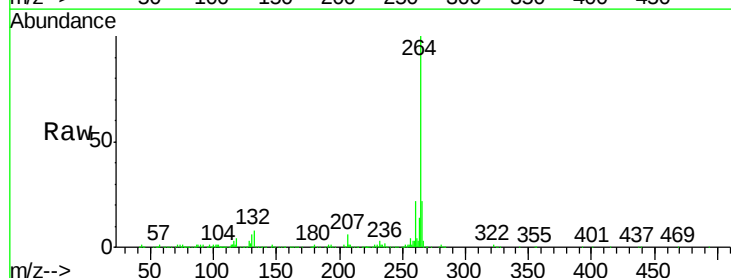
Delta R.T. -0.02 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

Tgt Ion:264 Resp: 647469

Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.4	26.0
265	22.3	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

