

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034790.D
 Acq On : 29 May 2018 23:27
 Operator : SJ/JU
 Sample : J3166-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

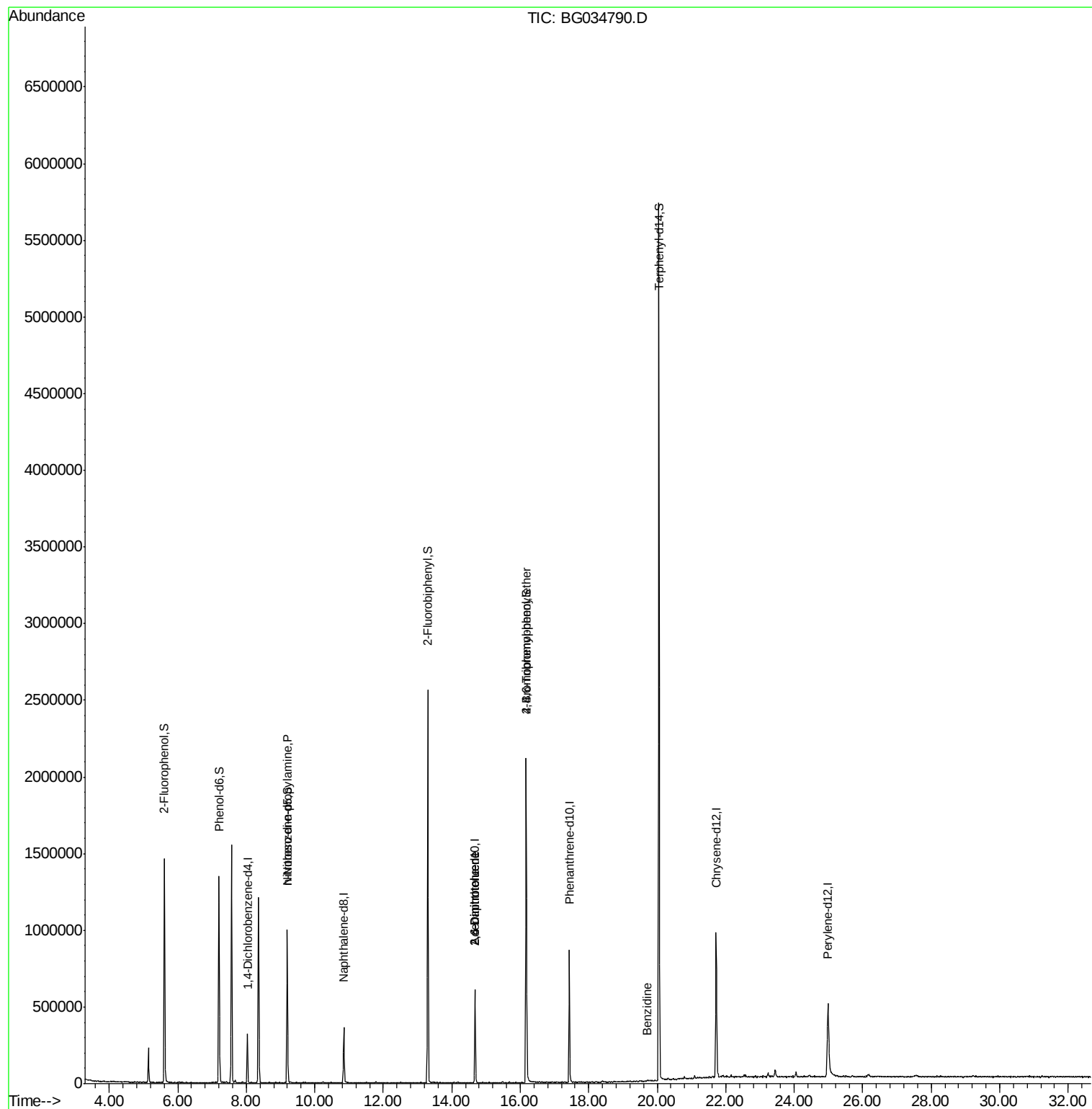
Quant Time: May 30 04:23:37 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	89569	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	312694	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	207451	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	560895	20.00	ng	0.00
75) Chrysene-d12	21.72	240	667701	20.00	ng	-0.02
86) Perylene-d12	24.99	264	668677	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	686104	117.98	ng	0.00
7) Phenol-d6	7.20	99	869928	92.47	ng	0.00
23) Nitrobenzene-d5	9.20	82	680815	83.17	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	472216	132.17	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	1408955	92.21	ng	0.00
78) Terphenyl-d14	20.05	244	2810565	92.31	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	88223	11.45	ng	# 69
50) 2,6-Dinitrotoluene	14.68	165	26065	7.10	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	26065	4.78	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	32968	4.47	ng	# 1
76) Benzidine	19.71	184	1445	3.50	ng	# 81

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

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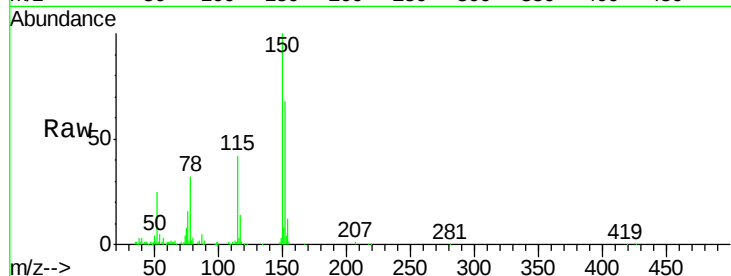




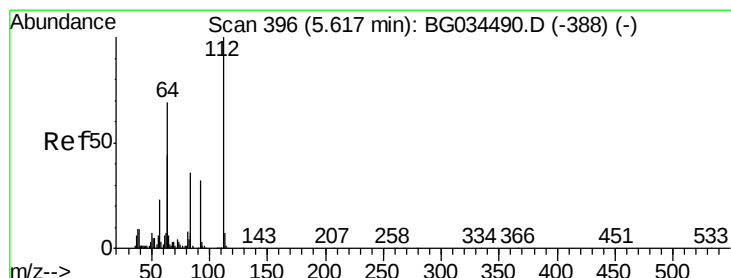
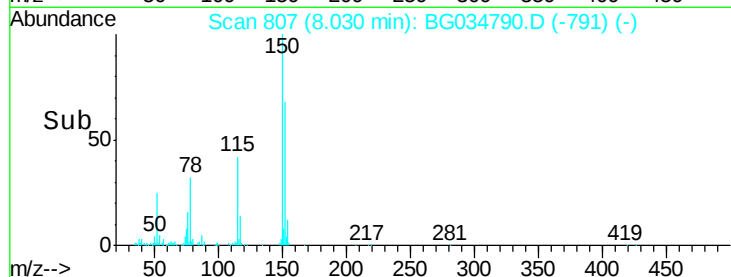
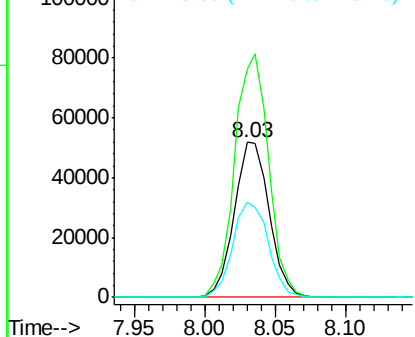
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG034790.D
Acq: 29 May 2018 23:27

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.8	126.6	189.8
115	61.4	53.0	79.4



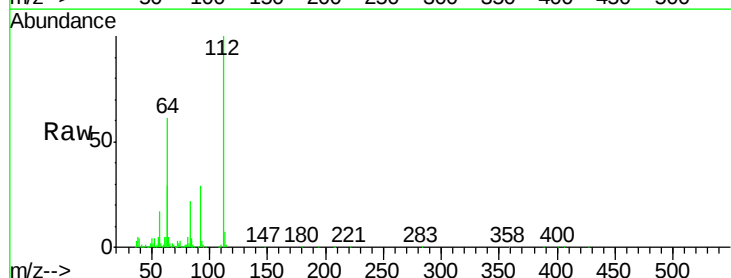
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



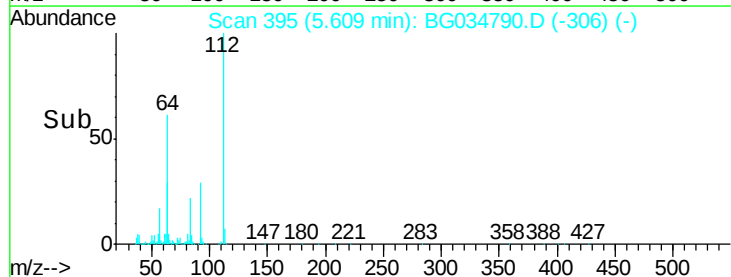
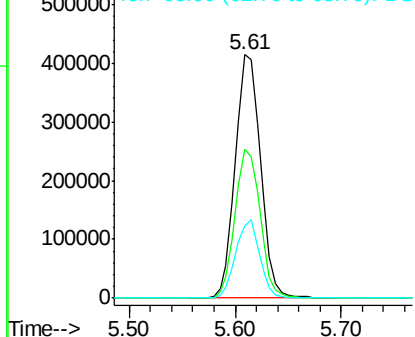
#5

2-Fluorophenol
Concen: 117.98 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.01 min
Lab File: BG034790.D
Acq: 29 May 2018 23:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	56.3	84.5
63	29.5	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: 92.47 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG034790.D

Acq: 29 May 2018 23:27

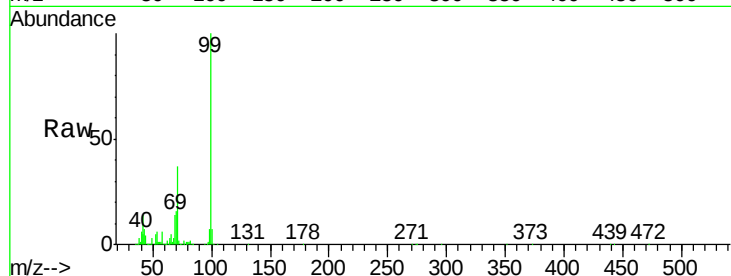
Tot Ion: 99 Resp: 869928

Ion Ratio Lower Upper

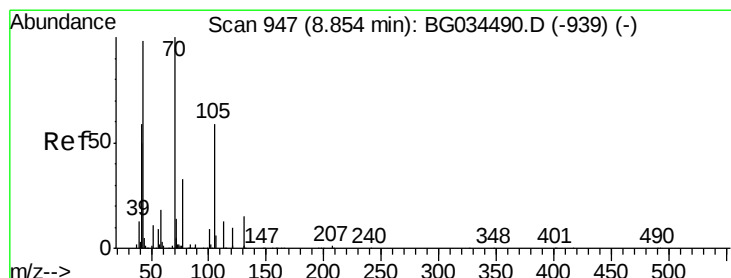
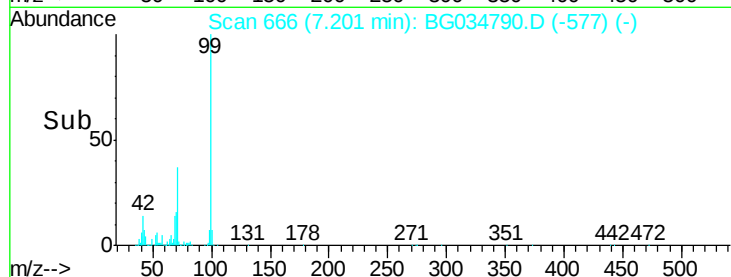
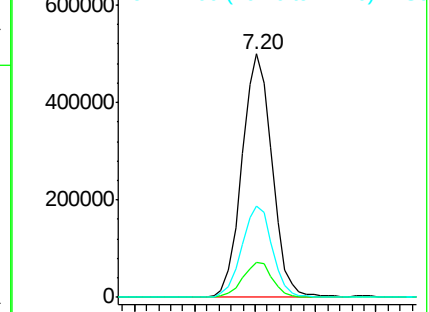
99 100

42 14.3 14.1 21.1

71 37.5 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: 11.45 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG034790.D

Acq: 29 May 2018 23:27

Tgt Ion: 70 Resp: 88223

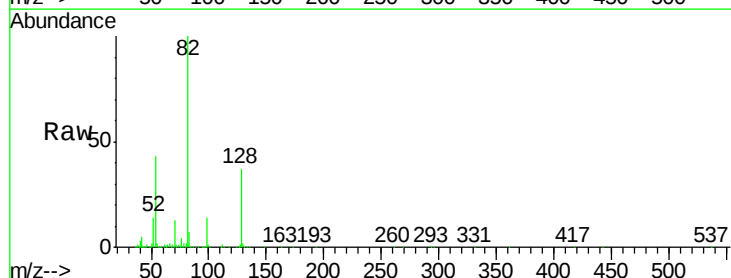
Ion Ratio Lower Upper

70 100

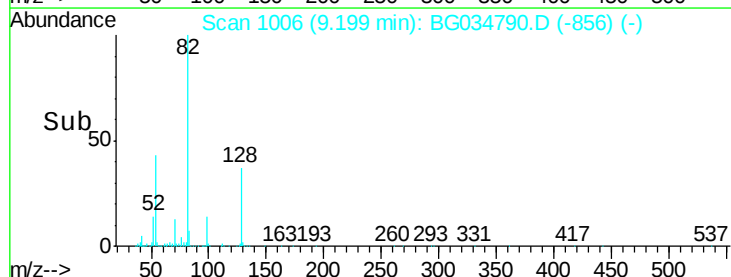
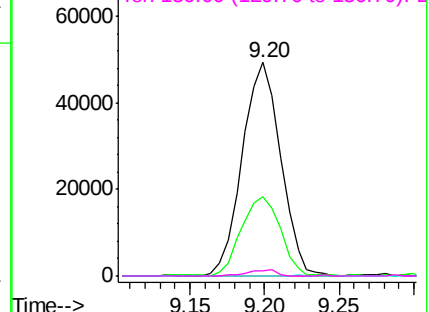
42 37.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 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# 1287

Delta R.T. -0.01 min

Lab File: BG034790.D

Acq: 29 May 2018 23:27

Tot Ion:136 Resp: 312694

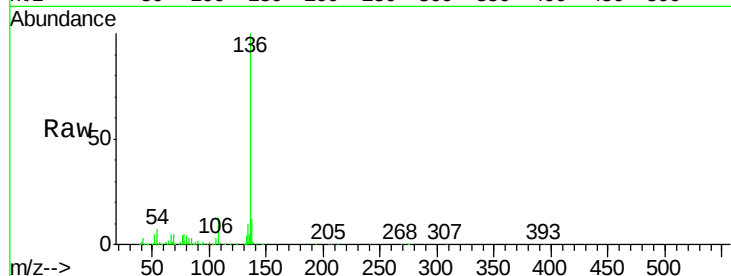
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	6.6	10.3	15.5
68	5.4	4.5	6.7

136 100

137 11.6 9.2 13.8

54 6.6 10.3 15.5

68 5.4 4.5 6.7

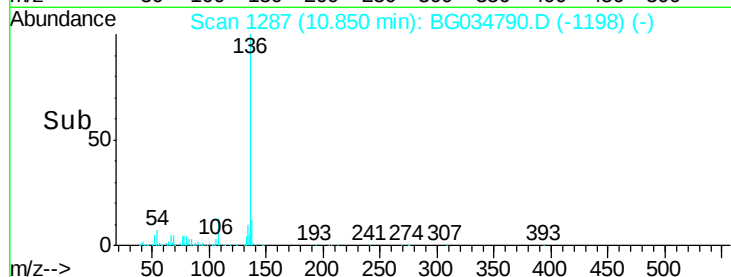


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->

10.85

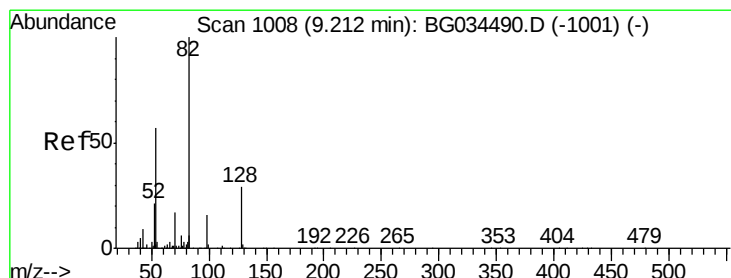
150000

100000

50000

0

10.80 10.90



#23

Nitrobenzene-d5

Concen: 83.17 ng

RT: 9.20 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BG034790.D

Acq: 29 May 2018 23:27

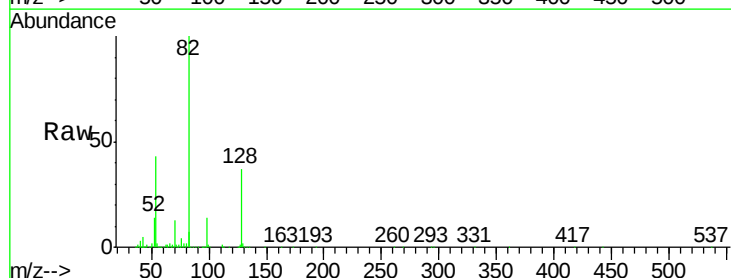
Tgt Ion: 82 Resp: 680815

Ion	Ratio	Lower	Upper
82	100		
128	37.4	29.7	44.5
54	43.0	43.1	64.7

82 100

128 37.4 29.7 44.5

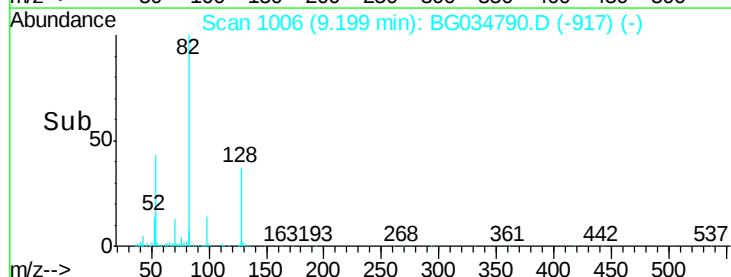
54 43.0 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC



Time-->

9.20

500000

400000

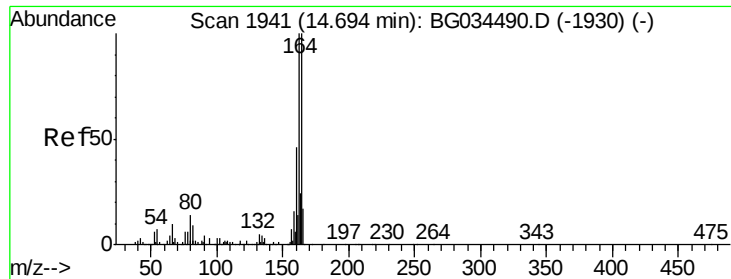
300000

200000

100000

0

9.10 9.20 9.30



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG034790.D

Acq: 29 May 2018 23:27

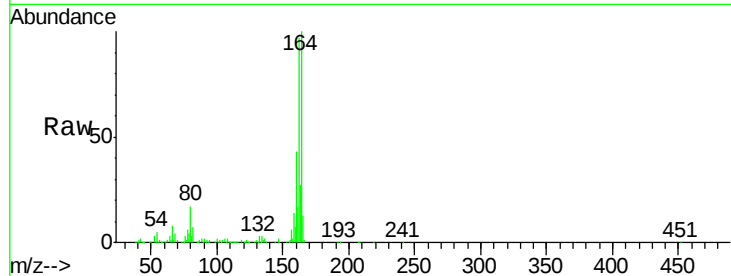
Tot Ion:164 Resp: 207451

Ion Ratio Lower Upper

164 100

162 97.3 78.8 118.2

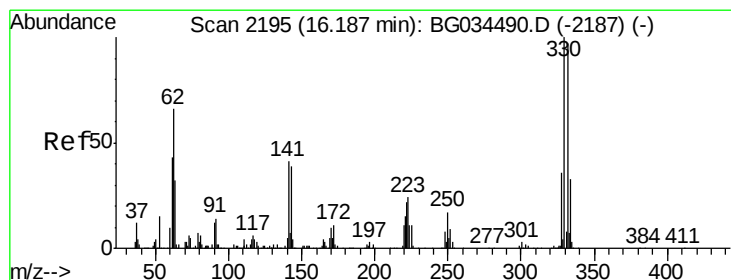
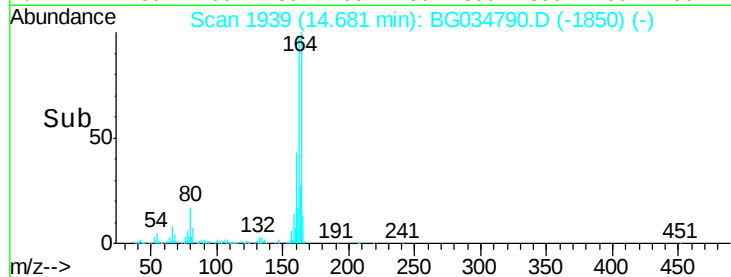
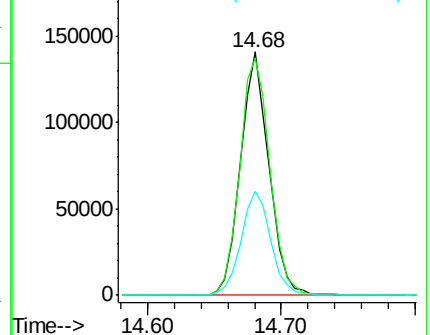
160 42.5 35.4 53.0



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: 132.17 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG034790.D

Acq: 29 May 2018 23:27

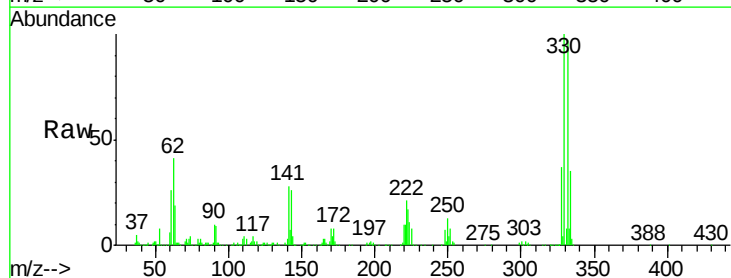
Tgt Ion:330 Resp: 472216

Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.6

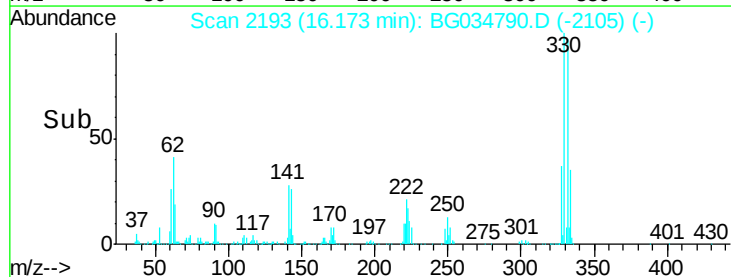
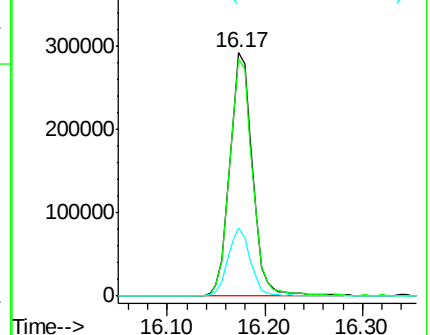
141 27.7 25.2 37.8

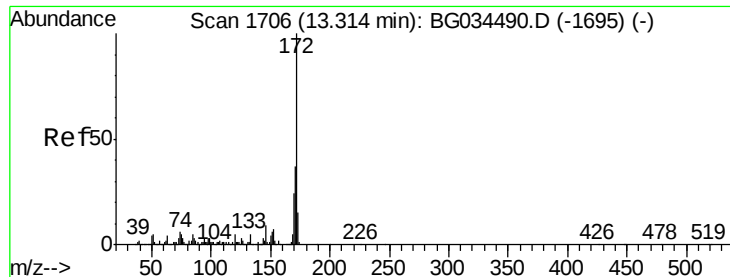


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

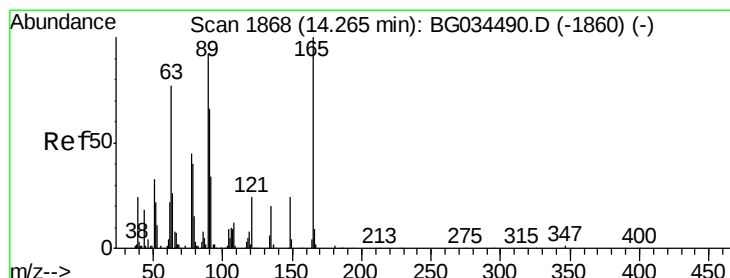
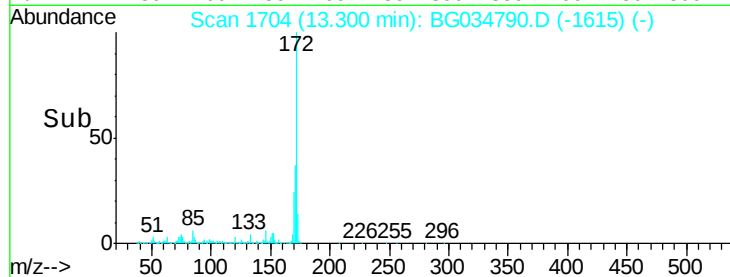
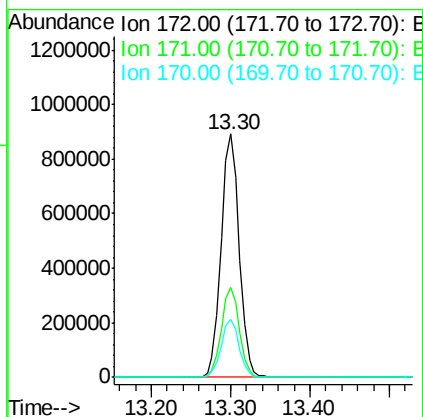
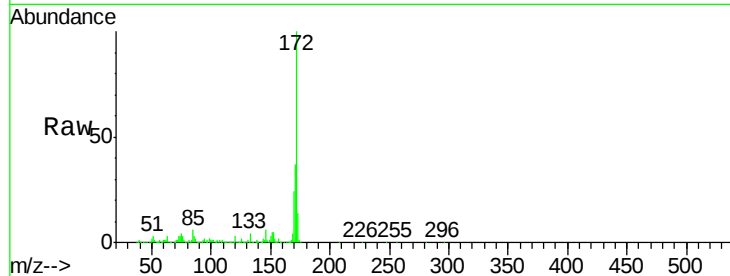




#44
2-Fluorobiphenyl
Concen: 92.21 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BG034790.D
Acq: 29 May 2018 23:27

Tot Ion:172 Resp: 1408955

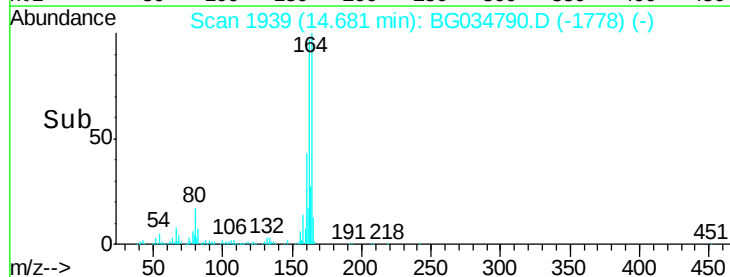
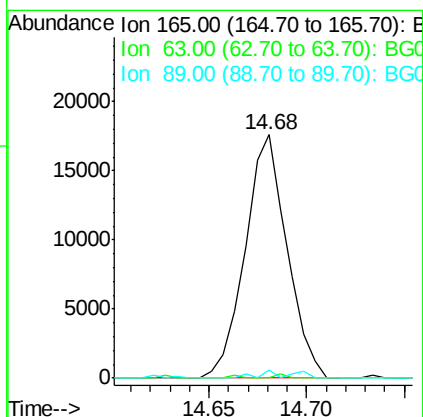
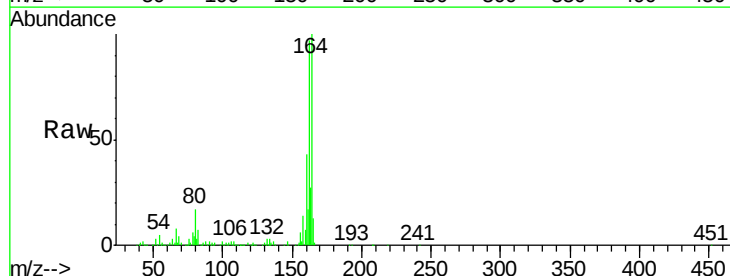
Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	23.8	19.5	29.3

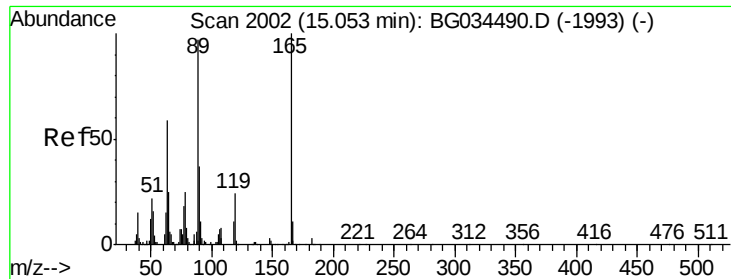


#50
2,6-Dinitrotoluene
Concen: 7.10 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.42 min
Lab File: BG034790.D
Acq: 29 May 2018 23:27

Tgt Ion:165 Resp: 26065

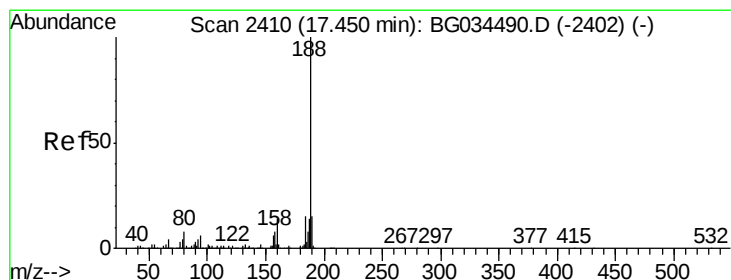
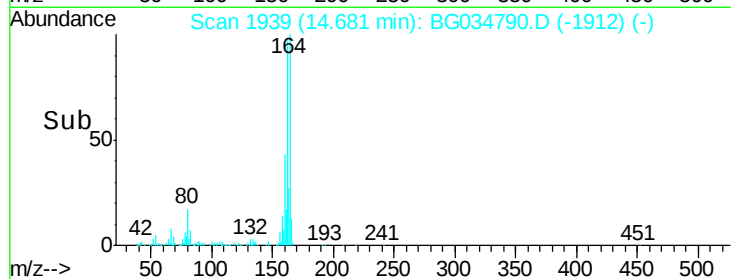
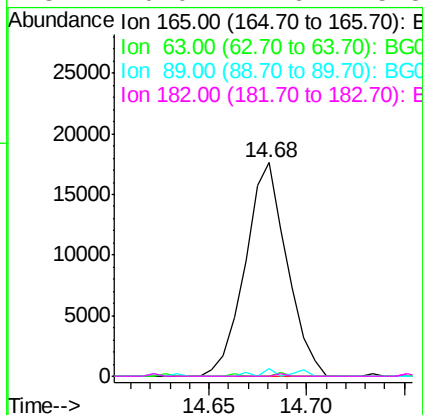
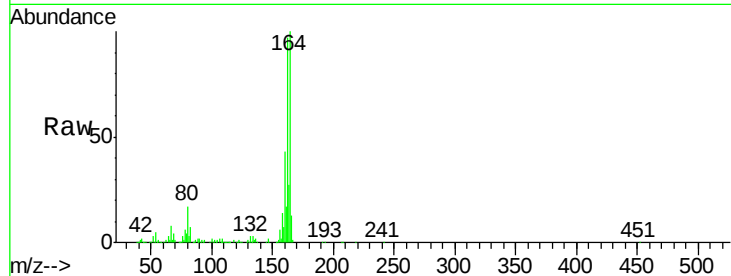
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.6	49.2	73.8#





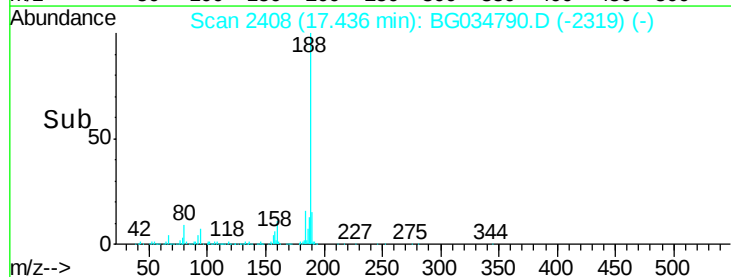
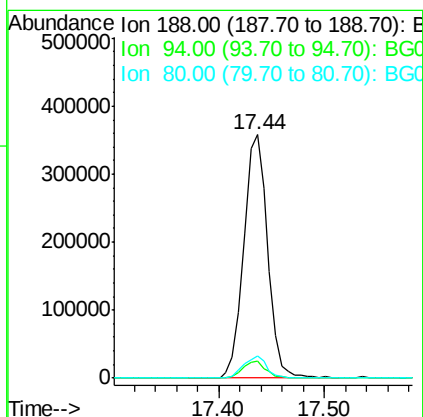
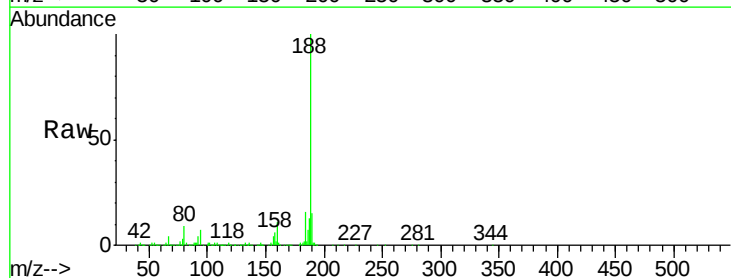
#56
2,4-Dinitrotoluene
Concen: 4.78 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.37 min
Lab File: BG034790.D
Acq: 29 May 2018 23:27

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.6	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: BG034790.D
Acq: 29 May 2018 23:27

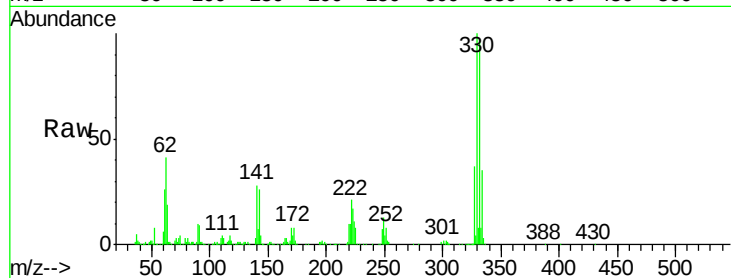
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	6.9	10.3
80	8.9	7.7	11.5



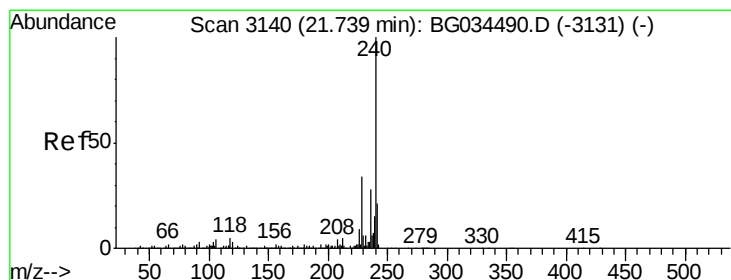
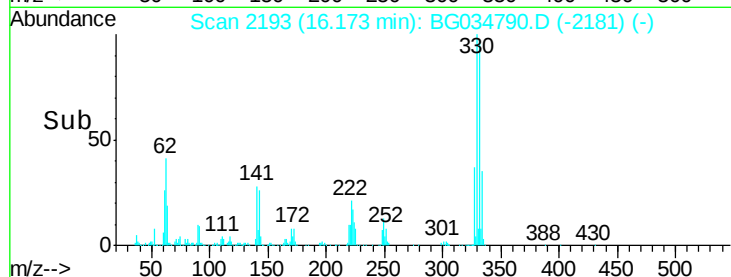
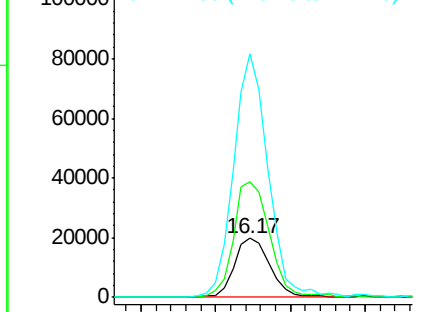


#66
4-Bromophenyl-phenylether
Concen: 4.47 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG034790.D
Acq: 29 May 2018 23:27

Tot Ion	Ratio	Lower	Upper
248	100		
250	194.7	77.1	115.7#
141	411.4	50.8	76.2#

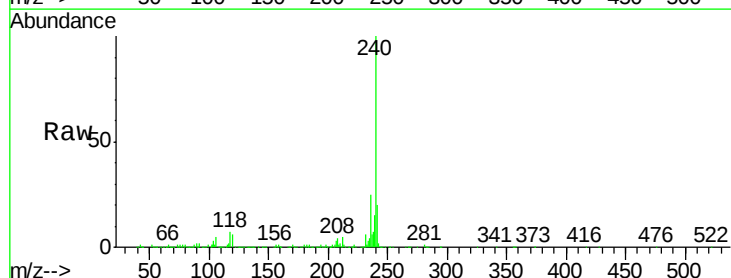


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

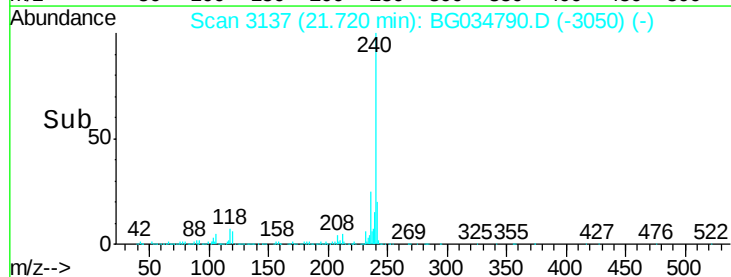
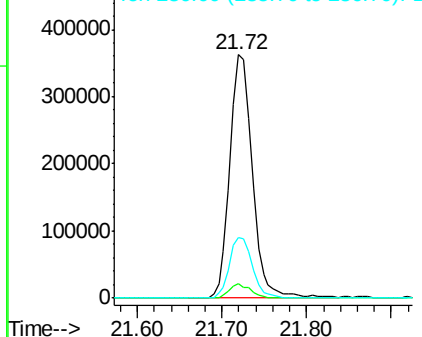


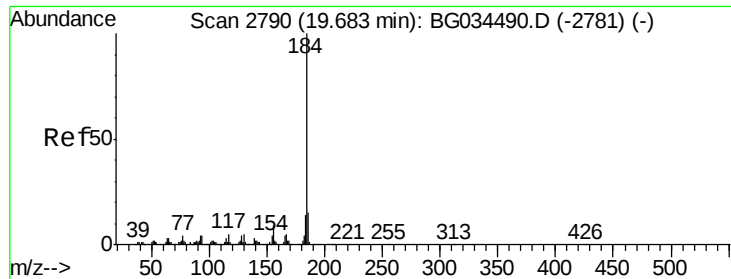
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.72 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG034790.D
Acq: 29 May 2018 23:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.9	6.8	10.2#
236	25.1	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: 3.50 ng

RT: 19.71 min Scan# 2795

Delta R.T. 0.03 min

Lab File: BG034790.D

Acq: 29 May 2018 23:27

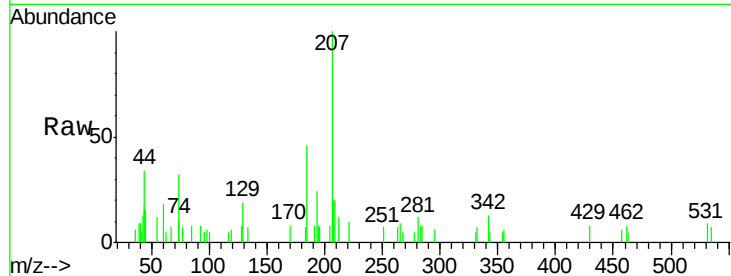
Tot Ion:184 Resp: 1445

Ion Ratio Lower Upper

184 100

185 0.0 11.1 16.7#

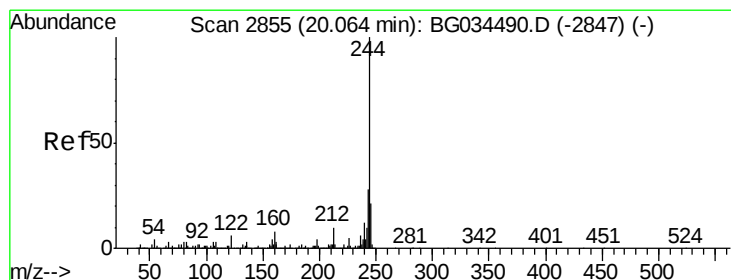
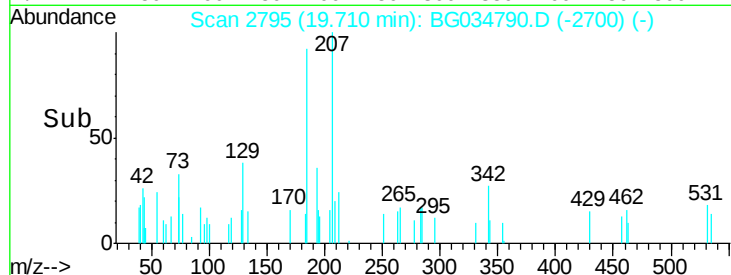
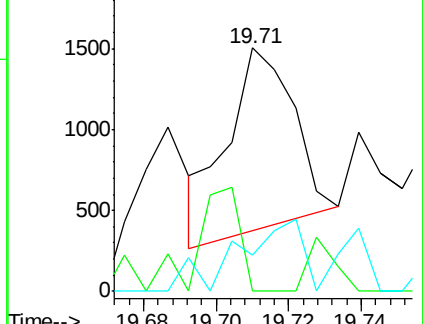
183 14.7 10.6 16.0



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: 92.31 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG034790.D

Acq: 29 May 2018 23:27

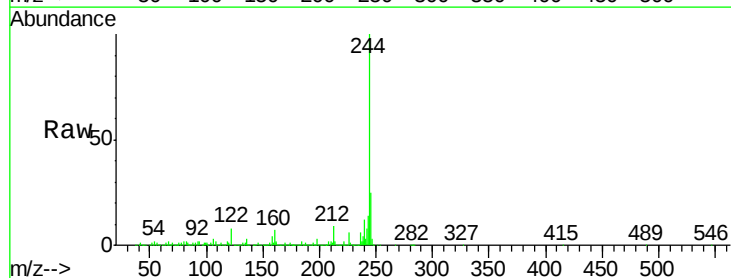
Tgt Ion:244 Resp: 2810565

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

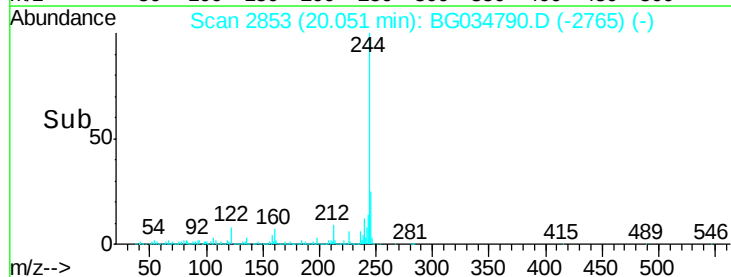
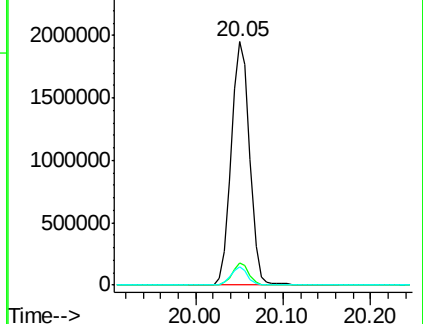
122 7.6 7.0 10.4

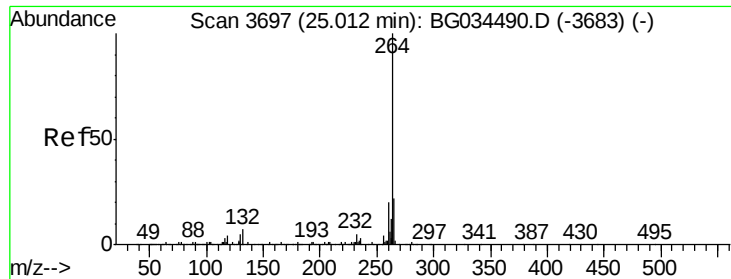


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

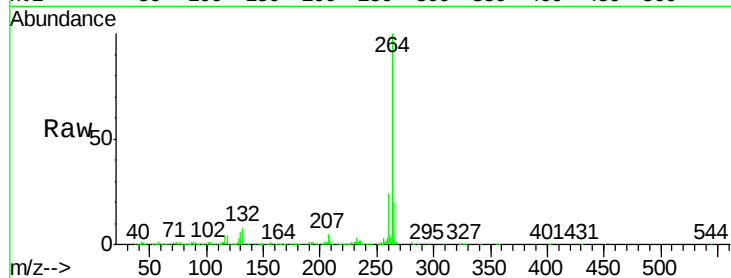
Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.99 min Scan# 3694
 Delta R.T. -0.01 min
 Lab File: BG034790.D
 Acq: 29 May 2018 23:27

Tot Ion:	264	Resp:	668677
Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	19.6	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

