

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034801.D
 Acq On : 30 May 2018 10:24
 Operator : SJ/JU
 Sample : J3124-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

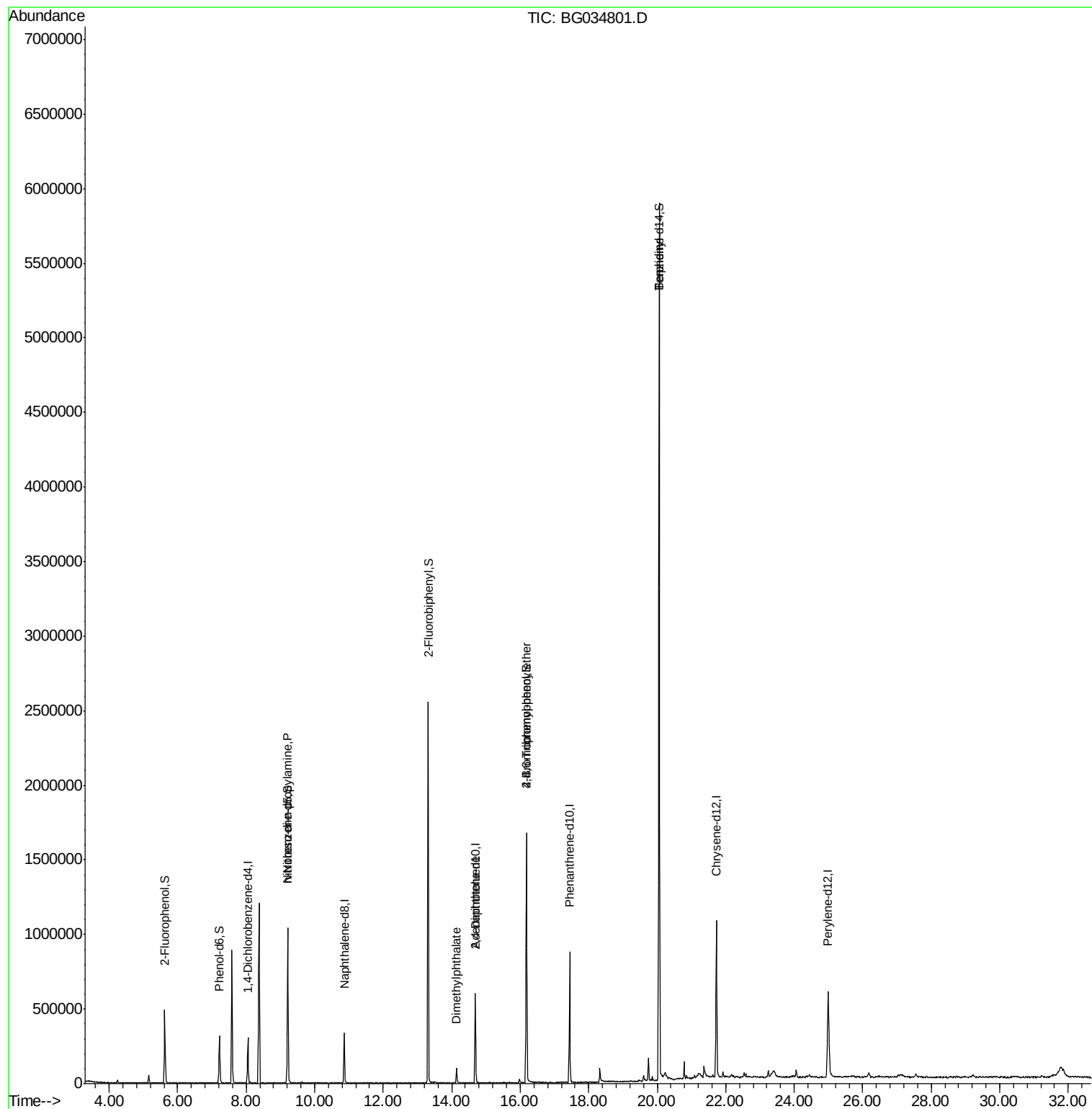
Quant Time: May 30 12:21:26 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

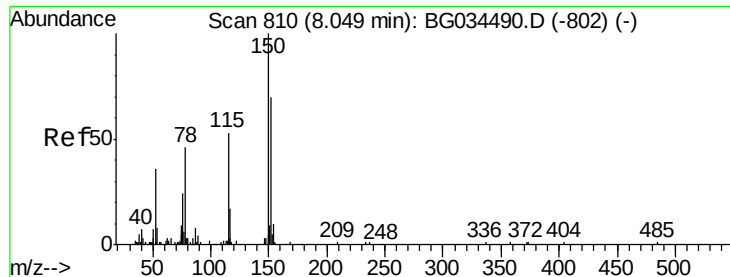
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	84627	20.00	ng	0.01
21) Naphthalene-d8	10.86	136	295702	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	210605	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	571133	20.00	ng	0.00
75) Chrysene-d12	21.73	240	693532	20.00	ng	0.00
86) Perylene-d12	24.99	264	730751	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	236819	43.10	ng	0.01
7) Phenol-d6	7.21	99	211234	23.77	ng	0.00
23) Nitrobenzene-d5	9.21	82	696249	89.95	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	368970	101.72	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1443795	93.07	ng	0.00
78) Terphenyl-d14	20.06	244	2909309	91.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	96459	13.250	ng	# 61
49) Dimethylphthalate	14.14	163	75885	4.174	ng	# 96
56) 2,4-Dinitrotoluene	14.69	165	27794	5.023	ng	# 18
66) 4-Bromophenyl-phenylether	16.18	248	26390	3.511	ng	# 1
76) Benzidine	20.06	184	38832	5.315	ng	# 90

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

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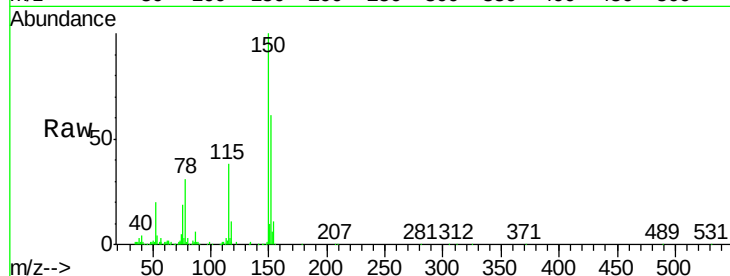




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.01 min
Lab File: BG034801.D
Acq: 30 May 2018 10:24

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.2	126.6	189.8
115	63.2	53.0	79.4

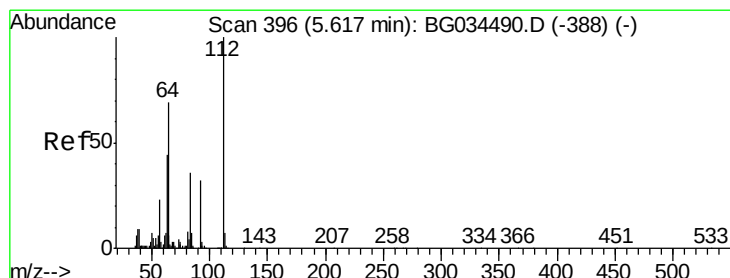
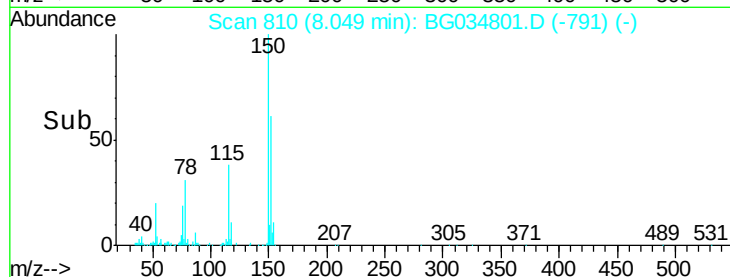
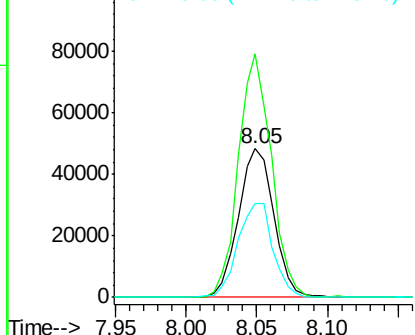


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

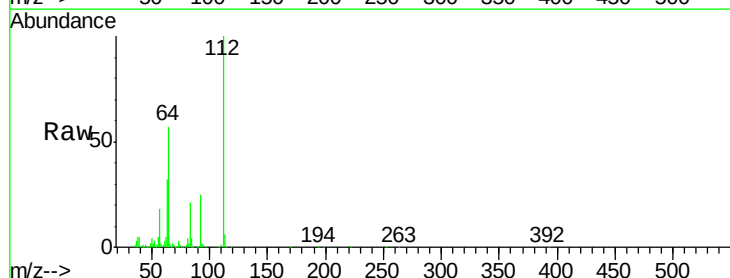
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 43.102 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.01 min
Lab File: BG034801.D
Acq: 30 May 2018 10:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	56.3	84.5
63	32.4	30.1	45.1

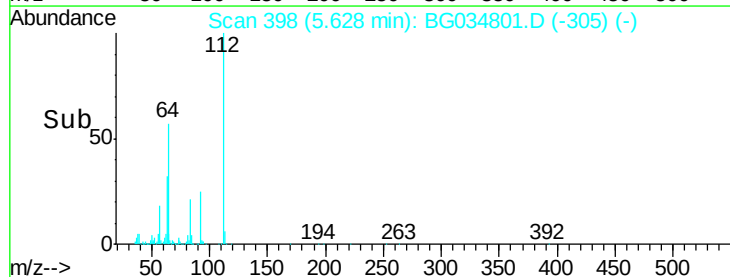
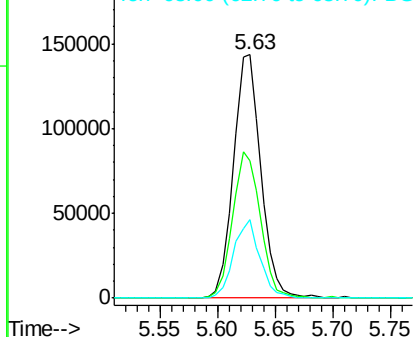


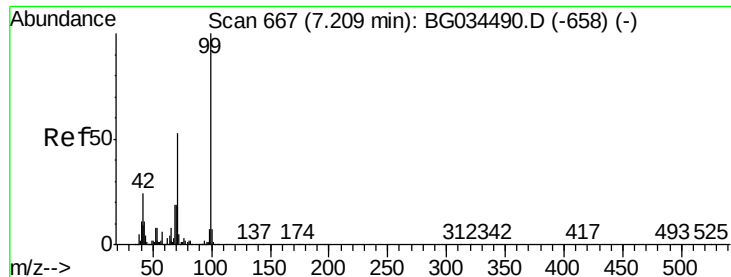
Abundance

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: 23.765 ng

RT: 7.21 min Scan# 668

Delta R.T. 0.01 min

Lab File: BG034801.D

Acq: 30 May 2018 10:24

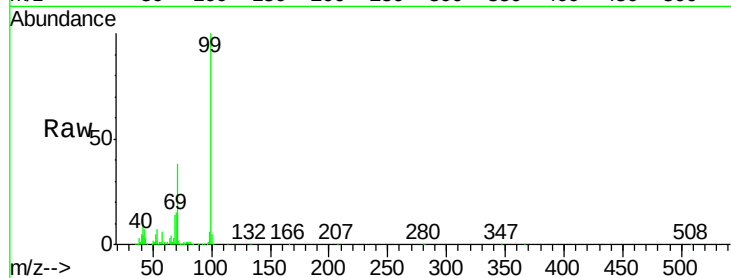
Tot Ion: 99 Resp: 211234

Ion Ratio Lower Upper

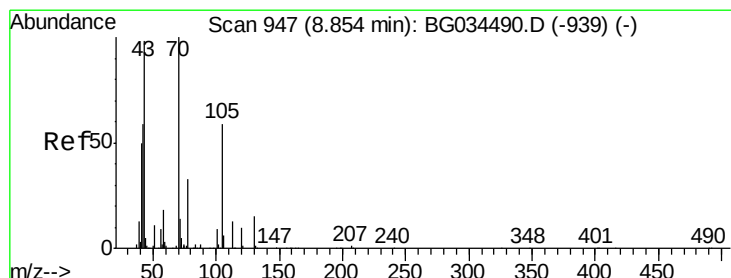
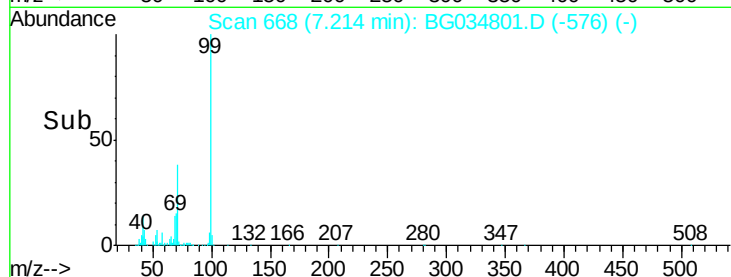
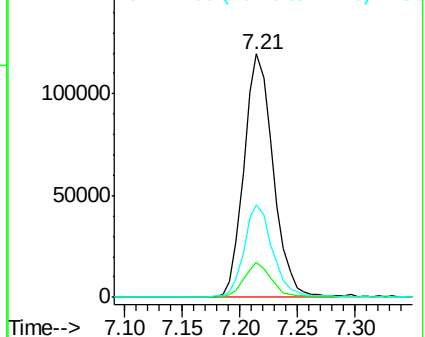
99 100

42 14.4 14.1 21.1

71 38.0 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: 13.250 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.37 min

Lab File: BG034801.D

Acq: 30 May 2018 10:24

Tgt Ion: 70 Resp: 96459

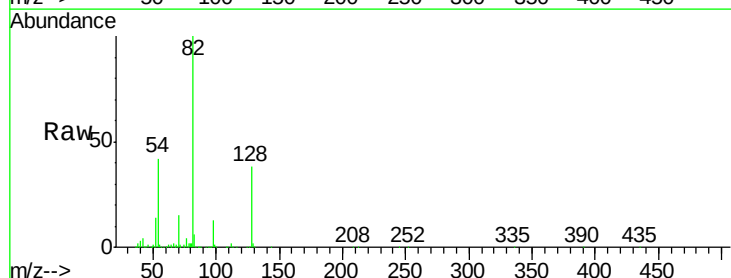
Ion Ratio Lower Upper

70 100

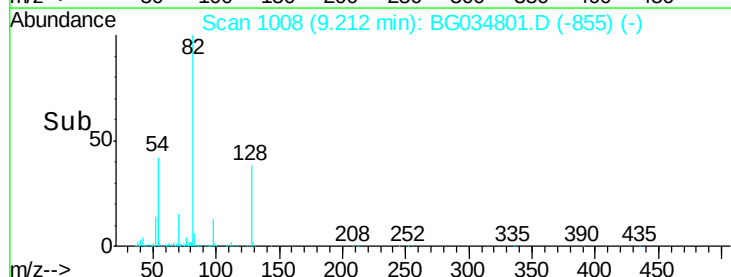
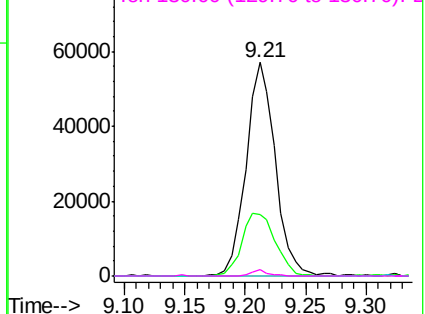
42 28.7 49.1 73.7#

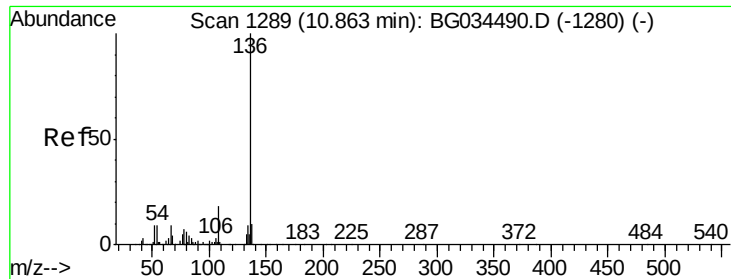
101 0.0 8.5 12.7#

130 3.1 13.4 20.0#



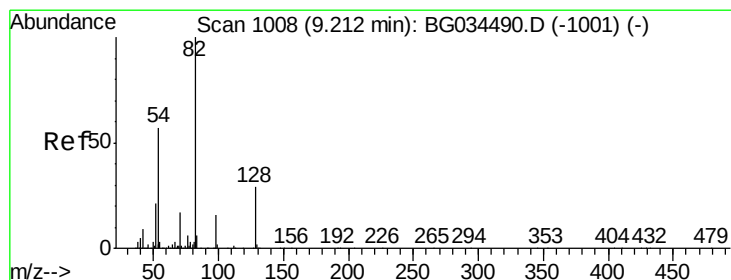
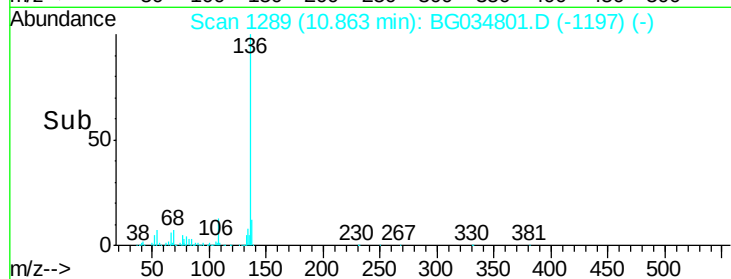
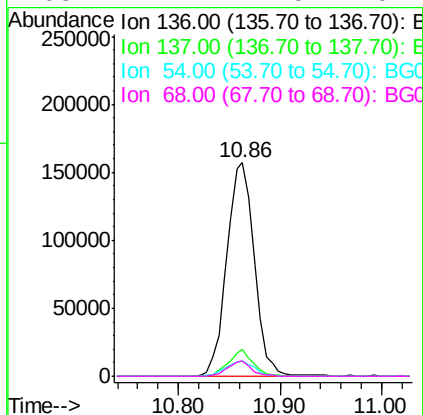
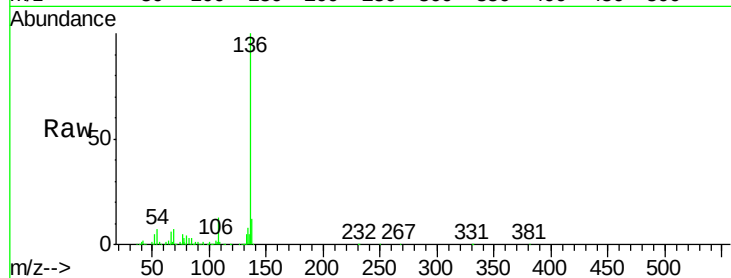
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





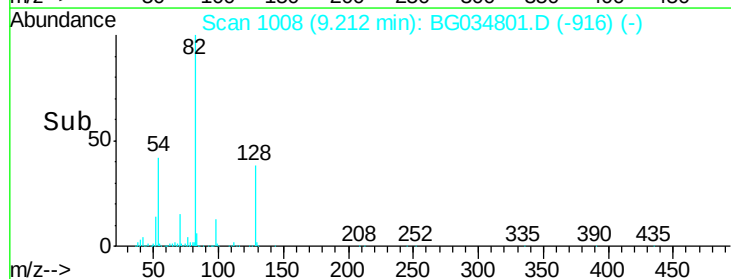
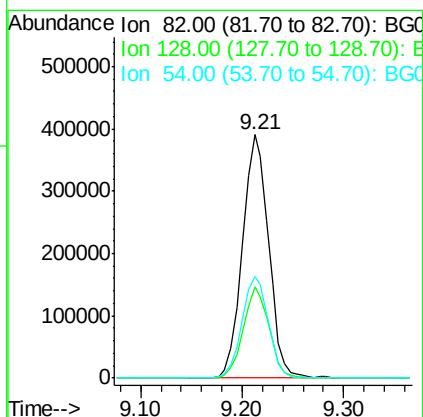
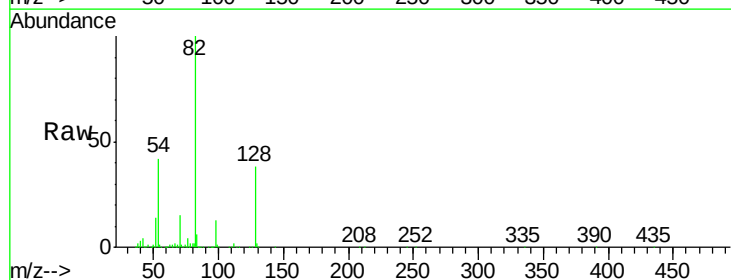
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BG034801.D
Acq: 30 May 2018 10:24

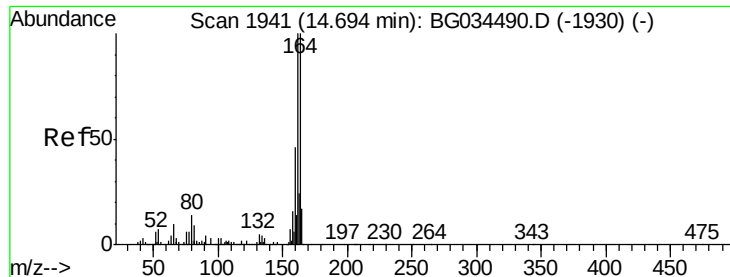
Tot Ion:136	Resp:	295702
Ion Ratio	Lower	Upper
136 100		
137 12.4	9.2	13.8
54 7.0	10.3	15.5#
68 7.1	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 89.945 ng
RT: 9.21 min Scan# 1008
Delta R.T. 0.01 min
Lab File: BG034801.D
Acq: 30 May 2018 10:24

Tgt Ion: 82	Resp: 696249
Ion Ratio	Lower Upper
82 100	
128 37.6	29.7 44.5
54 41.6	43.1 64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1940

Delta R.T. 0.00 min

Lab File: BG034801.D

Acq: 30 May 2018 10:24

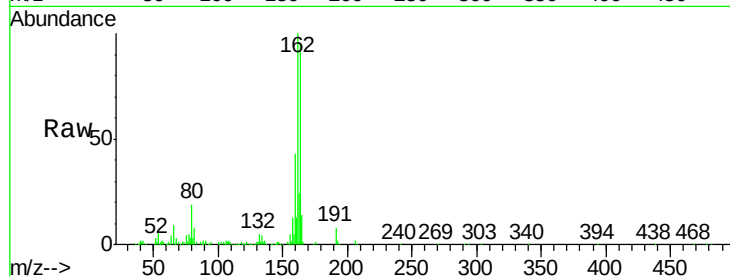
Tot Ion:164 Resp: 210605

Ion Ratio Lower Upper

164 100

162 105.3 78.8 118.2

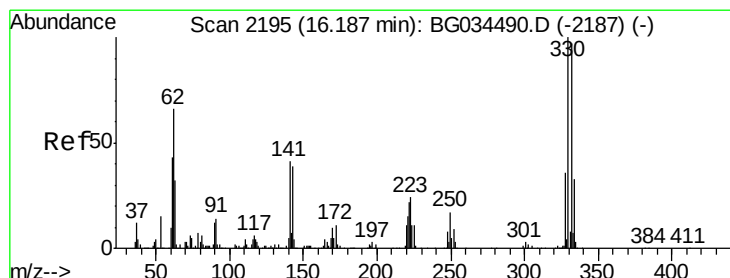
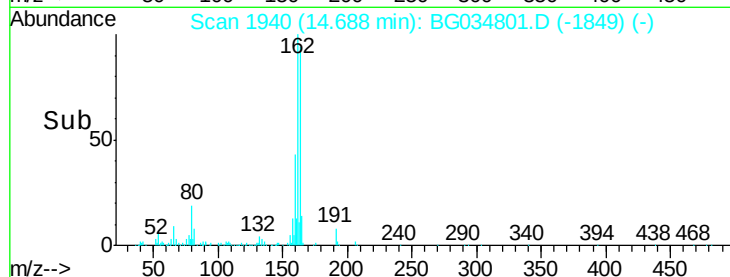
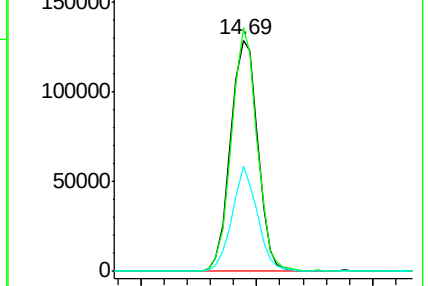
160 45.4 35.4 53.0



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: 101.723 ng

RT: 16.18 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BG034801.D

Acq: 30 May 2018 10:24

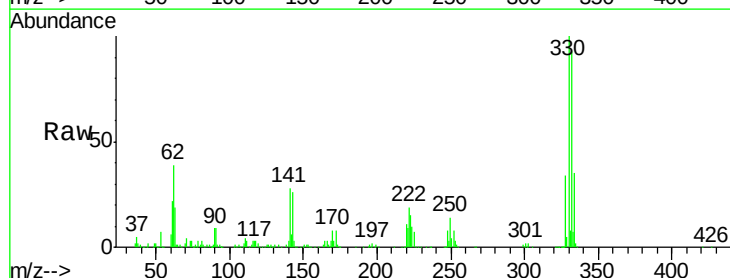
Tgt Ion:330 Resp: 368970

Ion Ratio Lower Upper

330 100

332 100.1 77.0 115.6

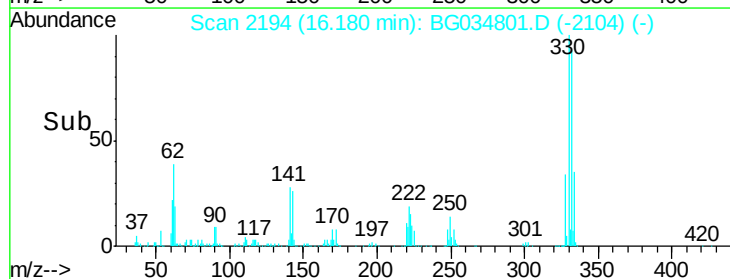
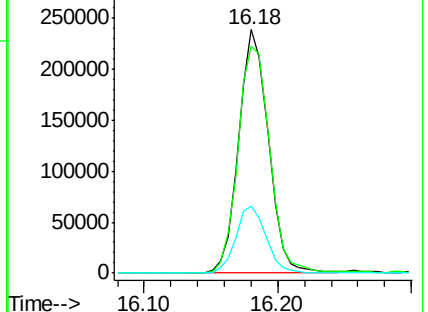
141 28.2 25.2 37.8

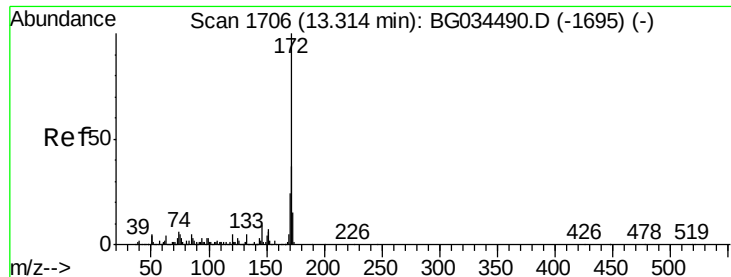


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 93.071 ng

RT: 13.31 min Scan# 1706

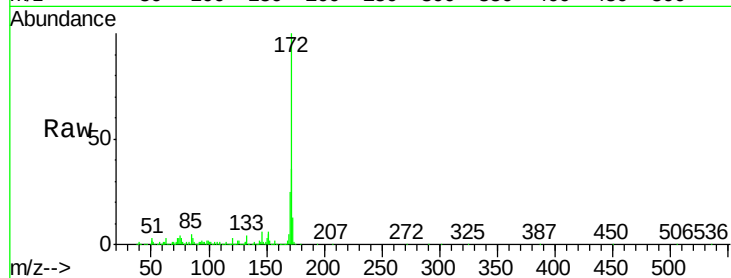
Delta R.T. 0.01 min

Lab File: BG034801.D

Acq: 30 May 2018 10:24

Tot Ion:172 Resp: 1443795

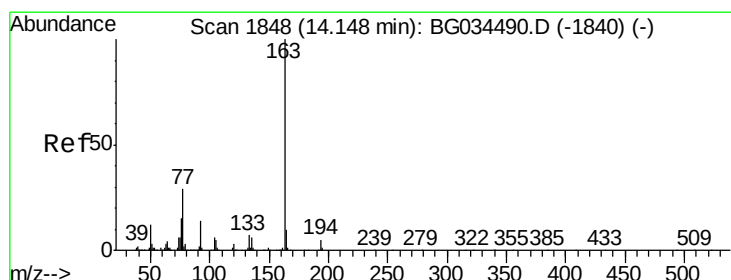
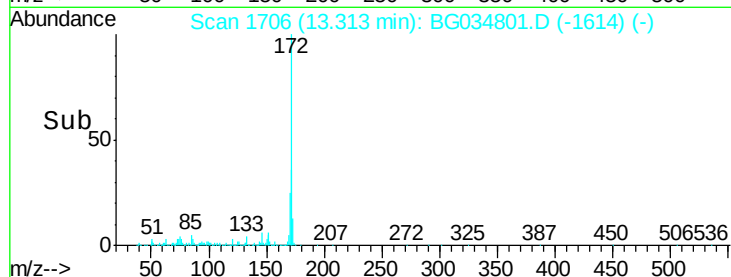
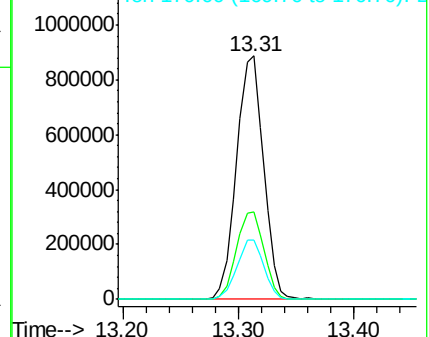
Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.0	45.0
170	24.5	19.5	29.3



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



#49

Dimethylphthalate

Concen: 4.174 ng

RT: 14.14 min Scan# 1847

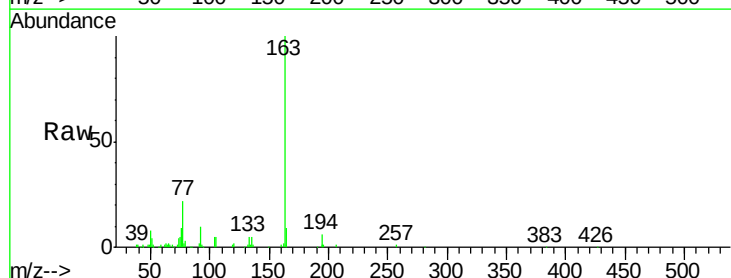
Delta R.T. 0.00 min

Lab File: BG034801.D

Acq: 30 May 2018 10:24

Tgt Ion:163 Resp: 75885

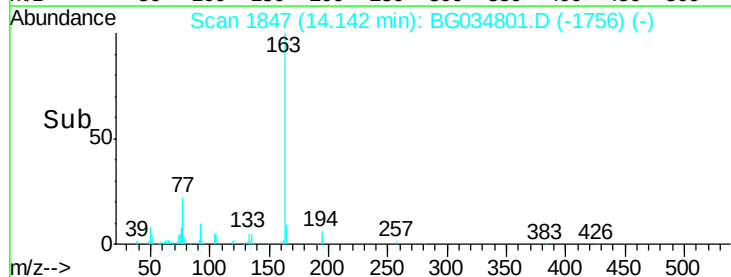
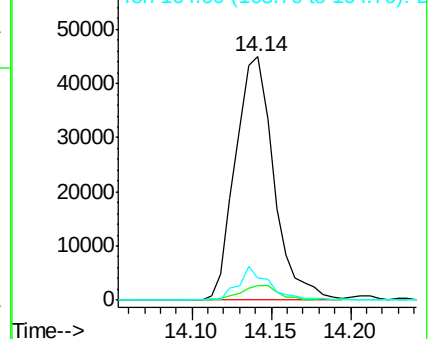
Ion	Ratio	Lower	Upper
163	100		
194	6.1	3.4	5.2#
164	9.3	8.2	12.4

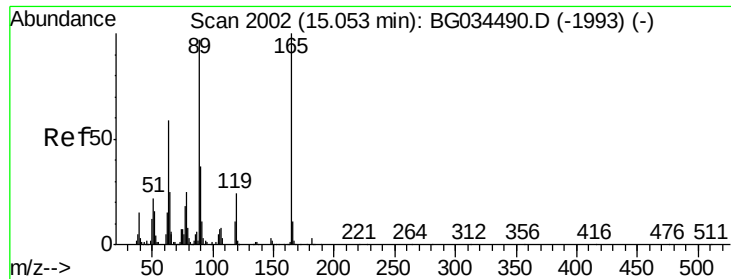


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

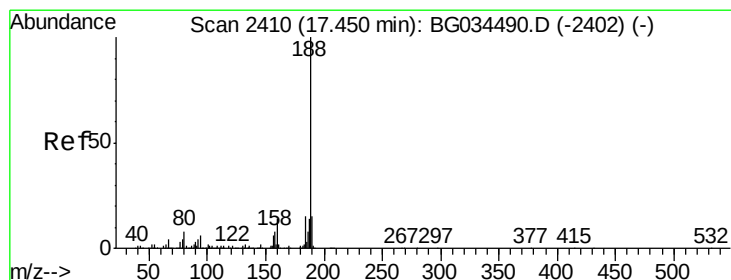
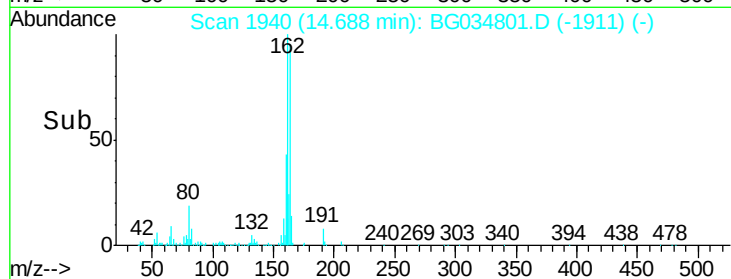
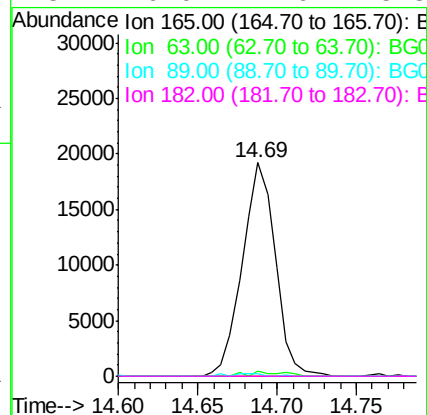
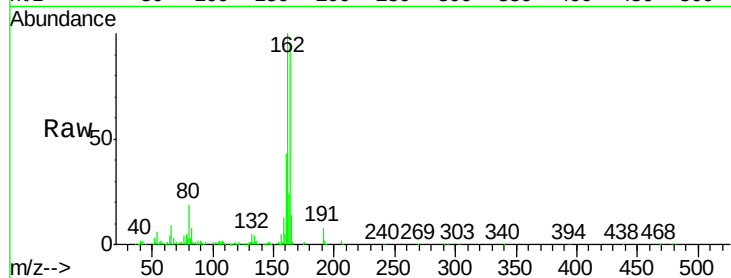
Ion 164.00 (163.70 to 164.70): E





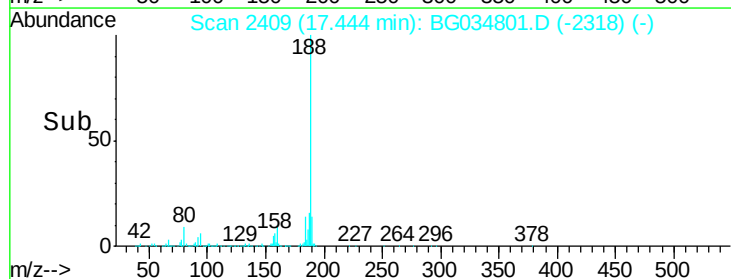
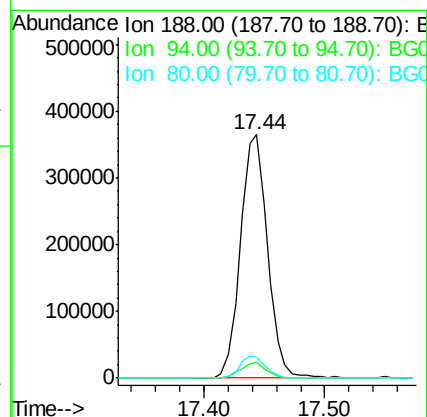
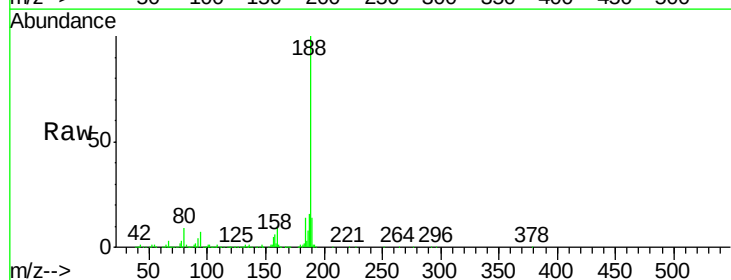
#56
2,4-Dinitrotoluene
Concen: 5.023 ng
RT: 14.69 min Scan# 1940
Delta R.T. -0.36 min
Lab File: BG034801.D
Acq: 30 May 2018 10:24

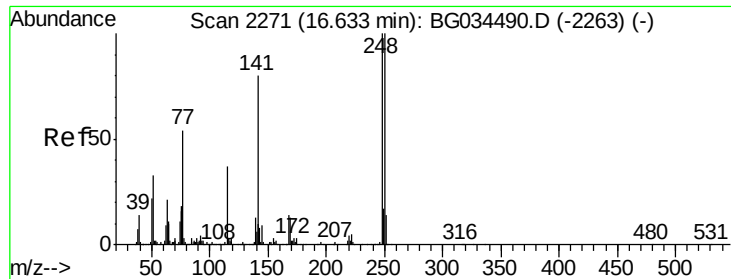
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	42.0	63.0#
89	1.1	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2409
Delta R.T. 0.00 min
Lab File: BG034801.D
Acq: 30 May 2018 10:24

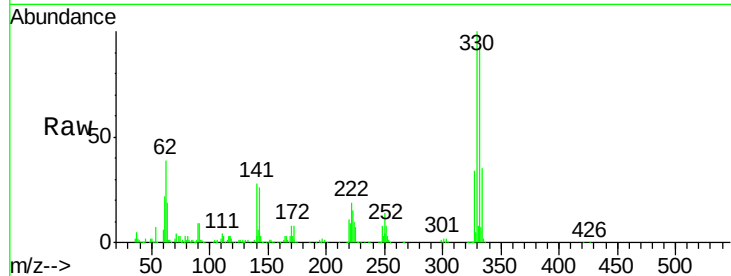
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.5	6.9	10.3#
80	8.7	7.7	11.5



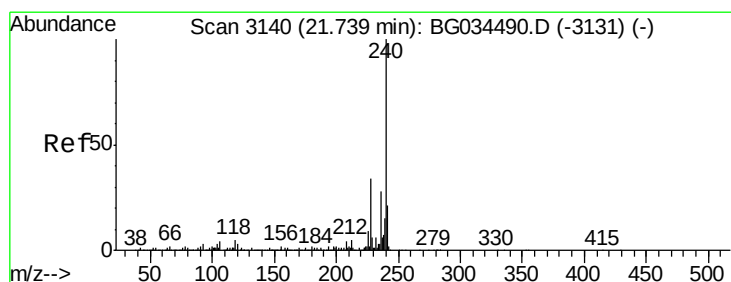
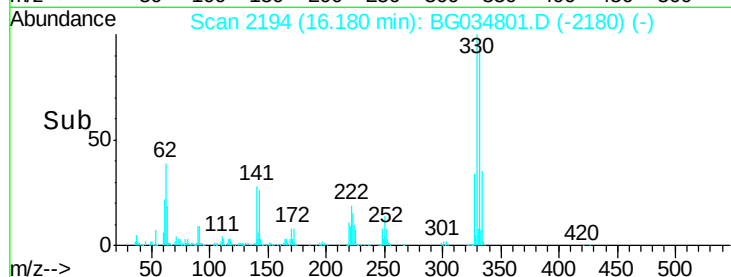
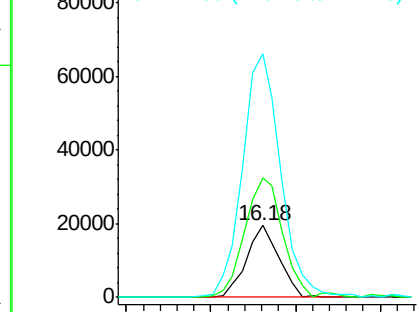


#66
 4-Bromophenyl-phenylether
 Concen: 3.511 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.45 min
 Lab File: BG034801.D
 Acq: 30 May 2018 10:24

Tot Ion:248 Resp: 26390
 Ion Ratio Lower Upper
 248 100
 250 166.5 77.1 115.7#
 141 338.6 50.8 76.2#

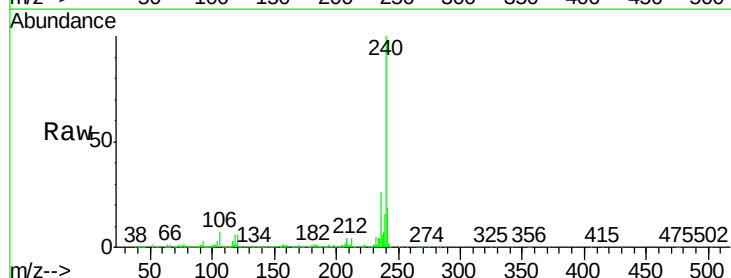


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

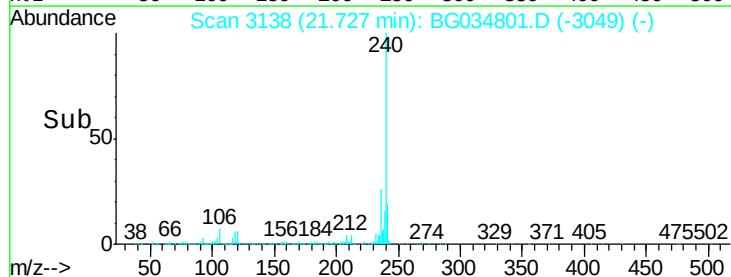
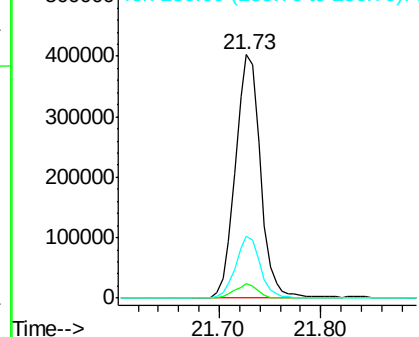


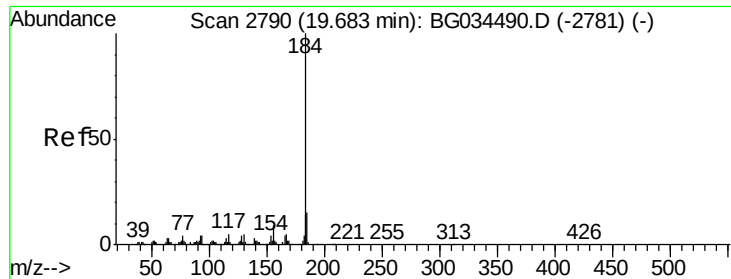
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3138
 Delta R.T. -0.01 min
 Lab File: BG034801.D
 Acq: 30 May 2018 10:24

Tgt Ion:240 Resp: 693532
 Ion Ratio Lower Upper
 240 100
 120 5.9 6.8 10.2#
 236 25.5 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: 5.315 ng

RT: 20.06 min Scan# 2854

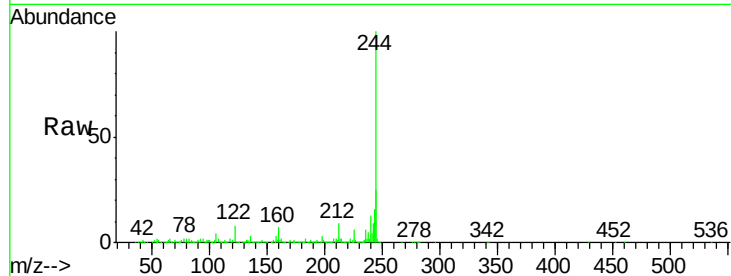
Delta R.T. 0.38 min

Lab File: BG034801.D

Acq: 30 May 2018 10:24

Tot Ion:184 Resp: 38832

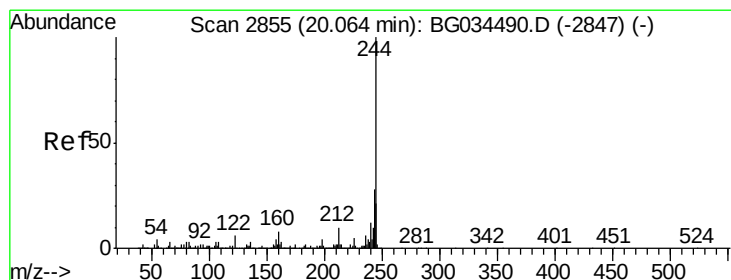
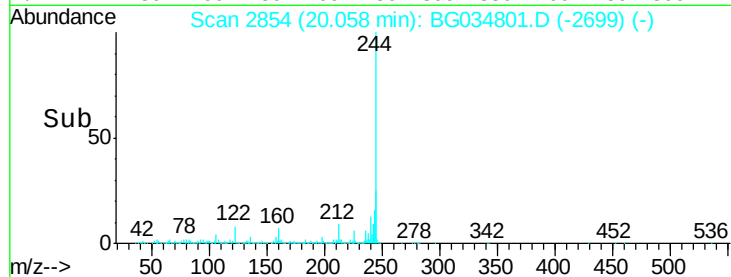
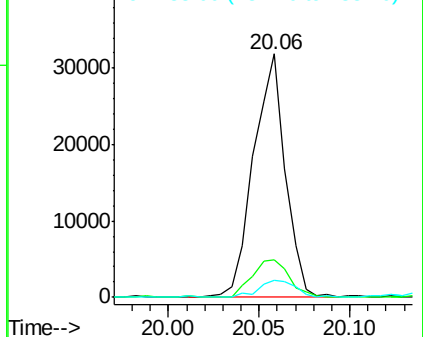
Ion	Ratio	Lower	Upper
184	100		
185	15.4	11.1	16.7
183	7.0	10.6	16.0#



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: 91.993 ng

RT: 20.06 min Scan# 2854

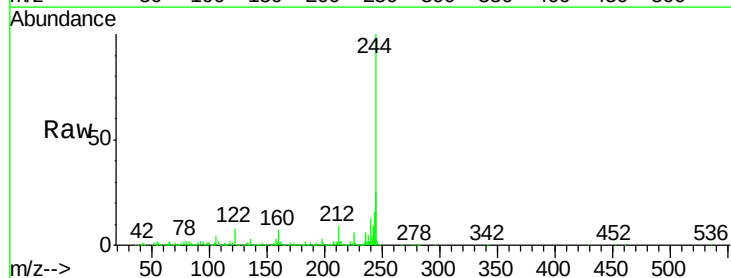
Delta R.T. -0.00 min

Lab File: BG034801.D

Acq: 30 May 2018 10:24

Tgt Ion:244 Resp: 2909309

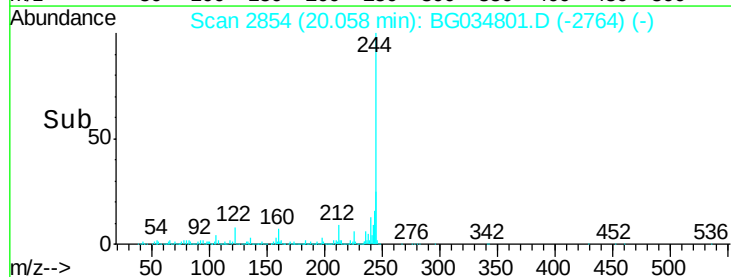
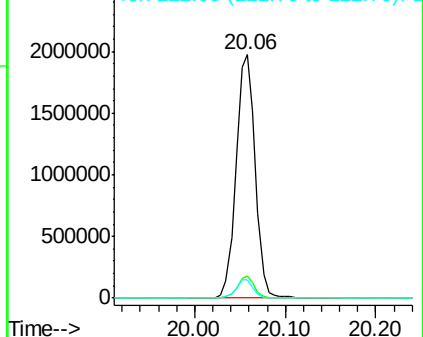
Ion	Ratio	Lower	Upper
244	100		
212	9.0	5.8	8.8#
122	7.6	7.0	10.4

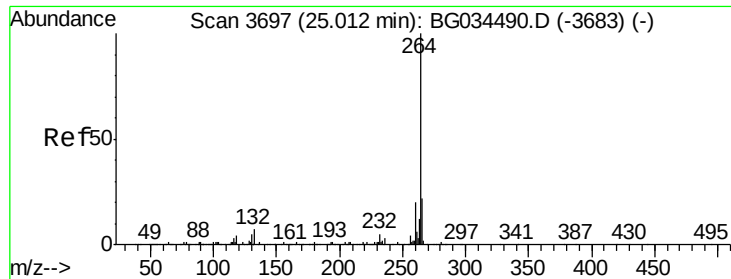


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

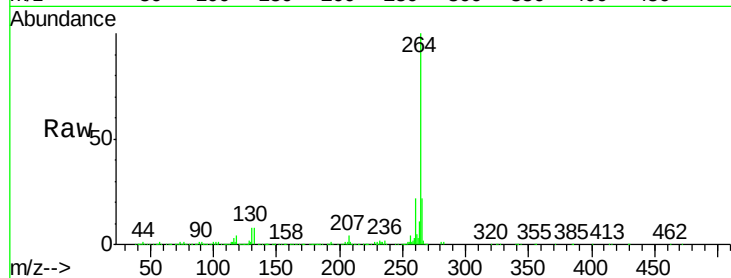
Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.99 min Scan# 3693
 Delta R.T. -0.02 min
 Lab File: BG034801.D
 Acq: 30 May 2018 10:24

Tot Ion:	264	Resp:	730751
Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.4	26.0
265	21.8	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

