

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034058.D
 Acq On : 28 Apr 2018 4:33
 Operator : SJ/JU
 Sample : J2571-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

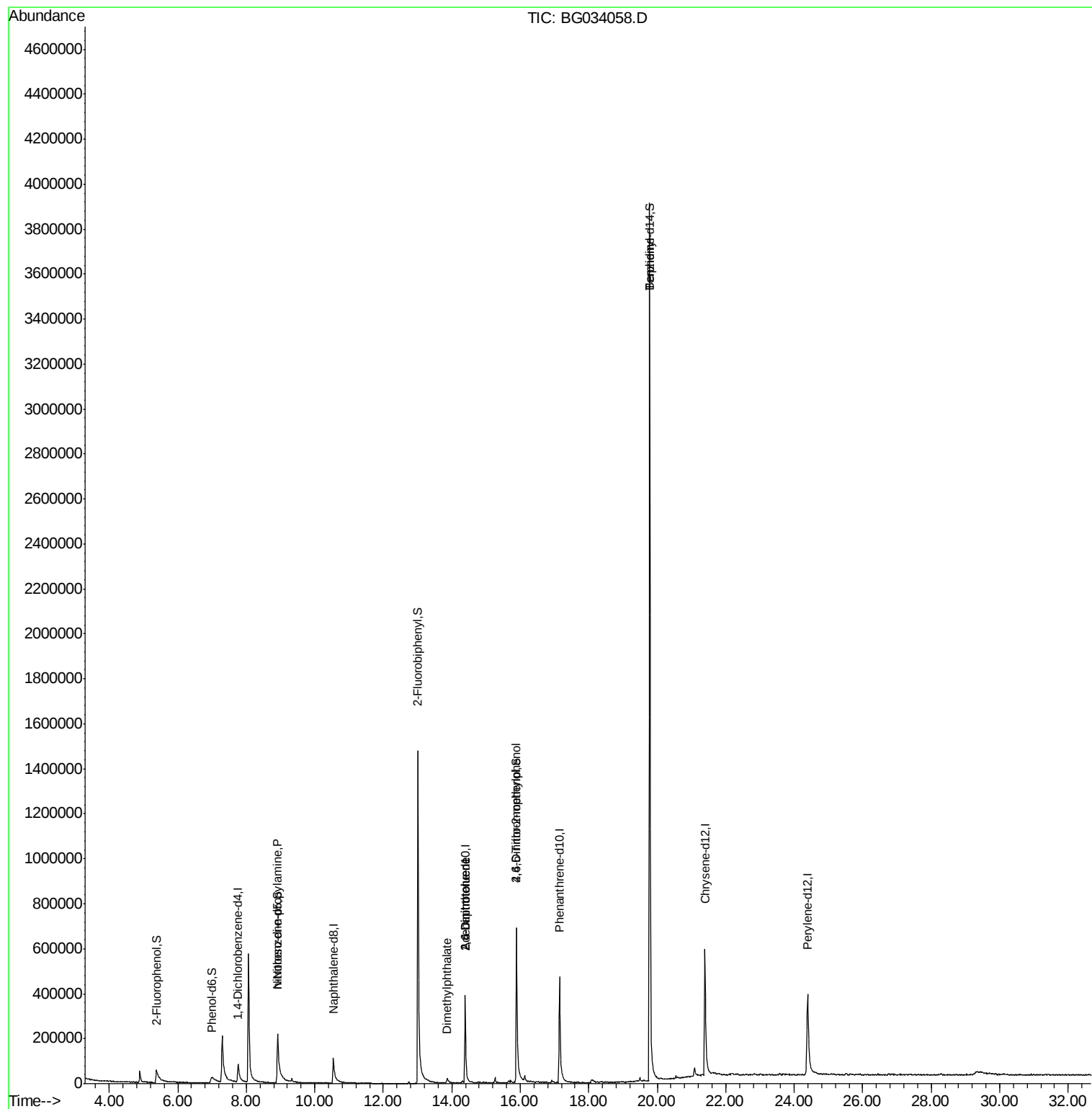
Quant Time: Apr 28 05:17:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

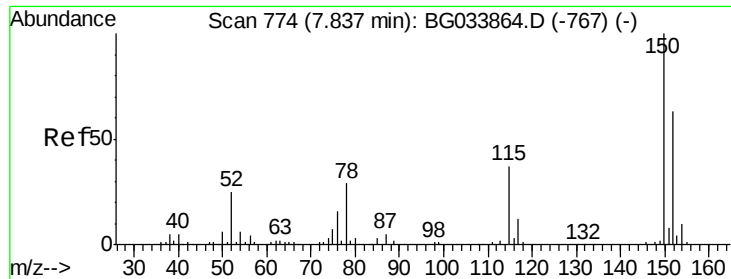
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	36432	20.00	ng	-0.07
21) Naphthalene-d8	10.54	136	210174	20.00	ng	-0.08
38) Acenaphthene-d10	14.39	164	187216	20.00	ng	-0.08
63) Phenanthrene-d10	17.15	188	515693	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	572882	20.00	ng	-0.10
86) Perylene-d12	24.39	264	549755	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	66252	29.03	ng	-0.07
7) Phenol-d6	6.99	99	46694	14.03	ng	-0.01
23) Nitrobenzene-d5	8.92	82	331722	89.82	ng	-0.07
41) 2,4,6-Tribromophenol	15.89	330	228025	104.40	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1213145	95.19	ng	-0.09
78) Terphenyl-d14	19.78	244	2403199	94.24	ng	-0.08
Target Compounds						
9) Benzaldehyde	6.99	77	63	Below Cal	#	5
19) n-Nitroso-di-n-propylamine	8.92	70	39024	13.75	ng	# 73
49) Dimethylphthalate	13.87	163	33006	2.00	ng	# 97
50) 2,6-Dinitrotoluene	14.39	165	23511	7.53	ng	# 19
56) 2,4-Dinitrotoluene	14.39	165	24031	5.79	ng	# 17
64) 4,6-Dinitro-2-methylphenol	15.89	198	1503	7.01	ng	# 65
76) Benzydine	19.78	184	34575	2.23	ng	# 88

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

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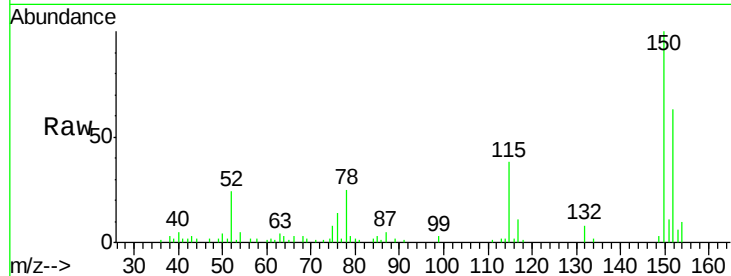




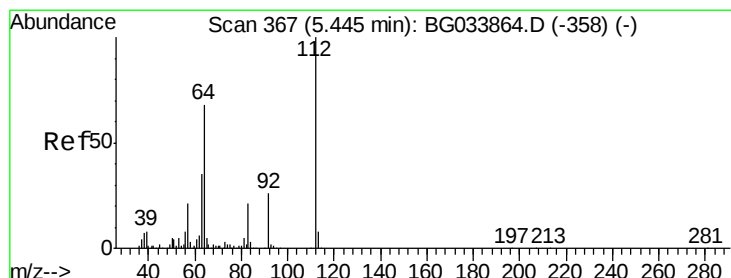
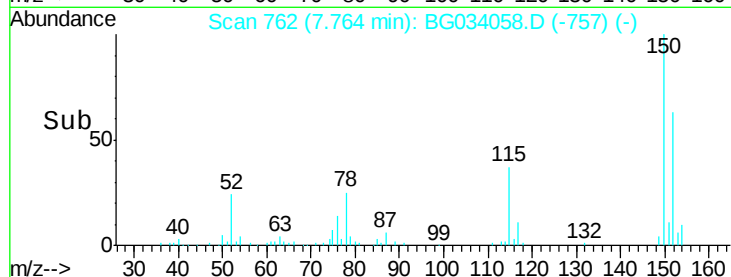
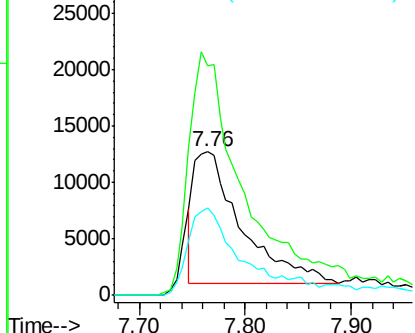
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 762
Delta R.T. -0.07 min
Lab File: BG034058.D
Acq: 28 Apr 2018 4:33

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.6	189.8
115	60.9	53.0	79.4



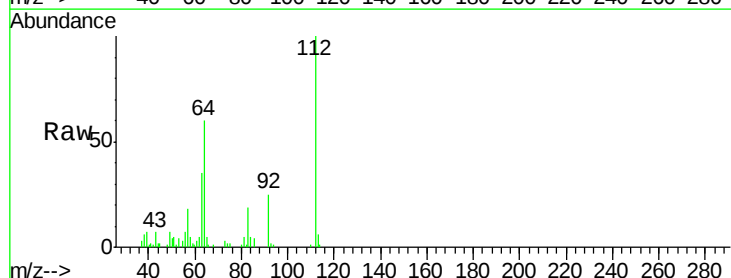
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



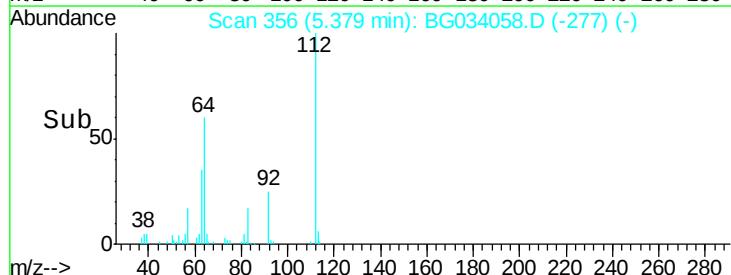
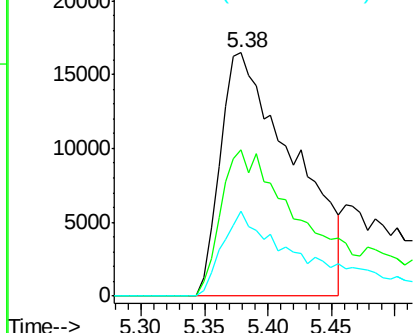
#5

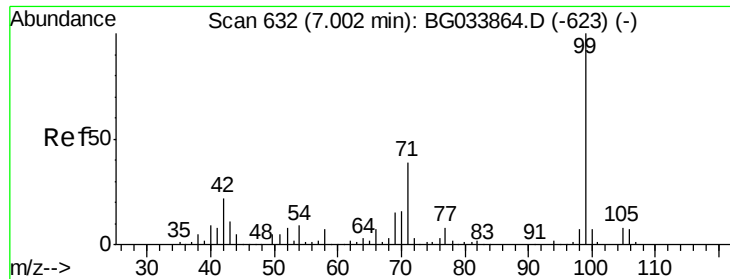
2-Fluorophenol
Concen: 29.03 ng
RT: 5.38 min Scan# 356
Delta R.T. -0.07 min
Lab File: BG034058.D
Acq: 28 Apr 2018 4:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	56.3	84.5
63	34.7	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: 14.03 ng

RT: 6.99 min Scan# 630

Delta R.T. -0.01 min

Lab File: BG034058.D

Acq: 28 Apr 2018 4:33

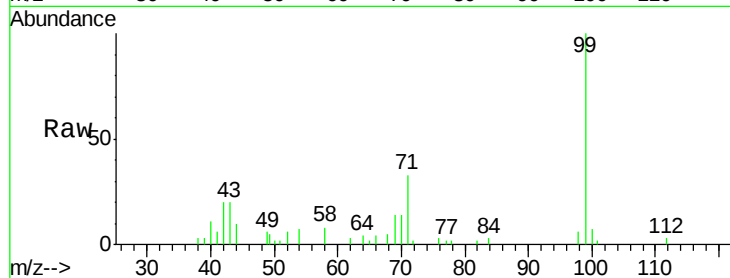
Tot Ion: 99 Resp: 46694

Ion Ratio Lower Upper

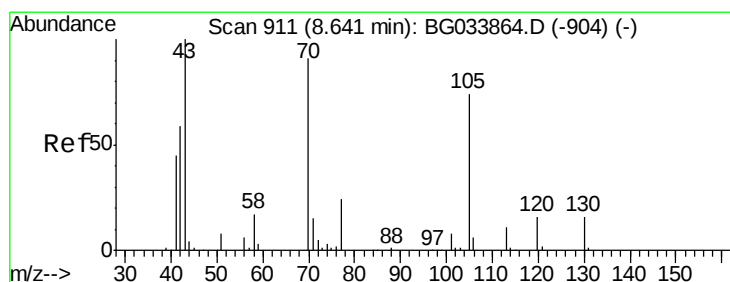
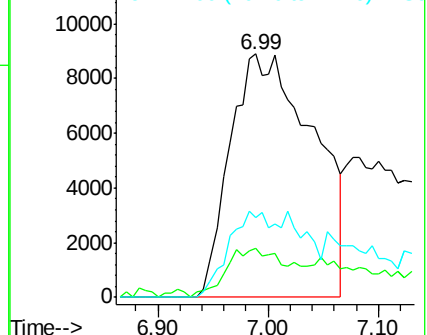
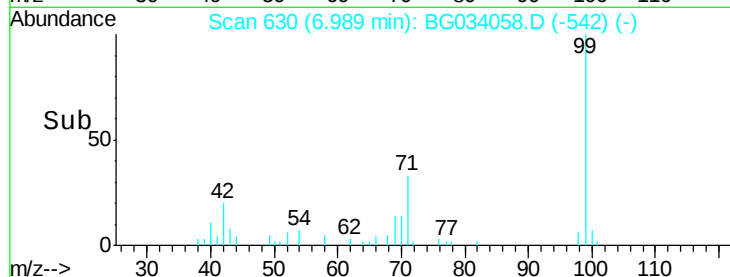
99 100

42 19.9 14.1 21.1

71 33.0 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: 13.75 ng

RT: 8.92 min Scan# 958

Delta R.T. 0.27 min

Lab File: BG034058.D

Acq: 28 Apr 2018 4:33

Tgt Ion: 70 Resp: 39024

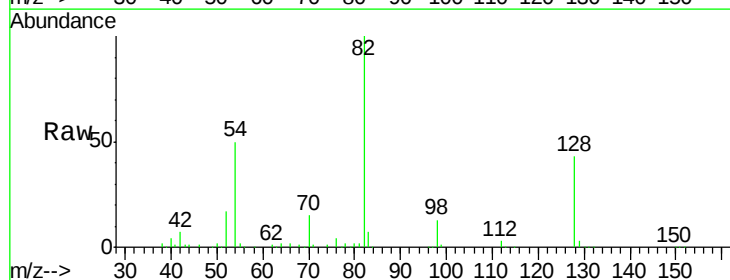
Ion Ratio Lower Upper

70 100

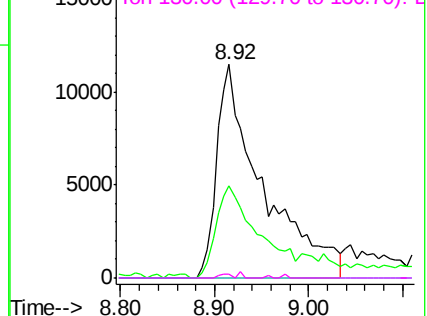
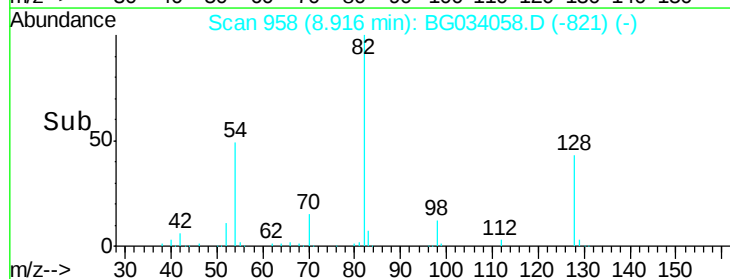
42 42.9 49.1 73.7#

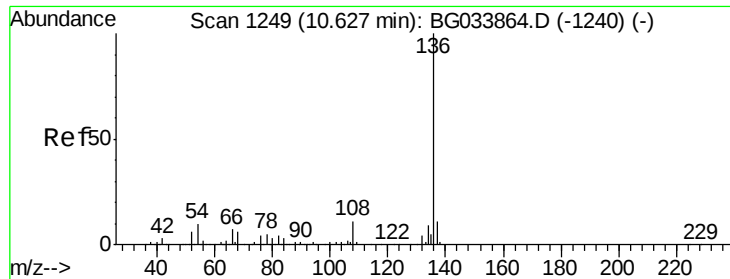
101 0.0 8.5 12.7#

130 1.9 13.4 20.0#



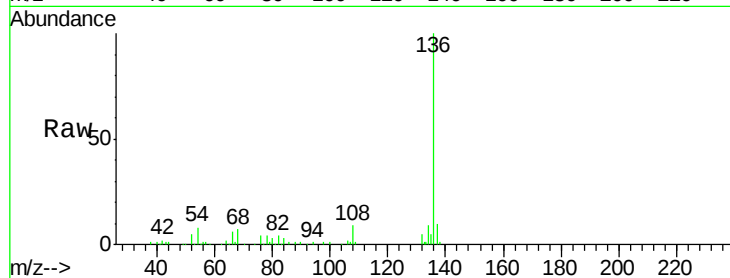
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



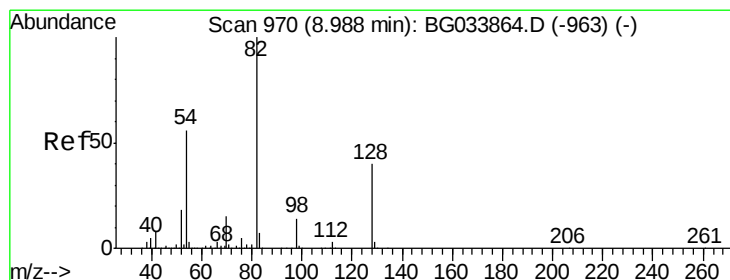
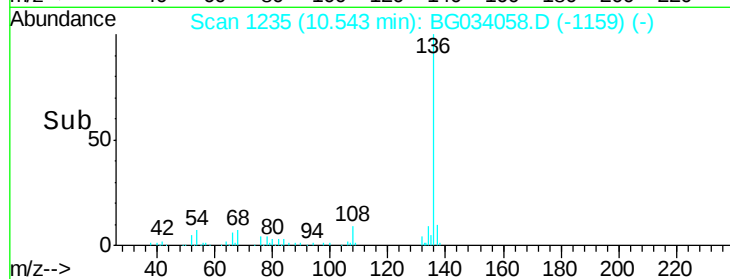
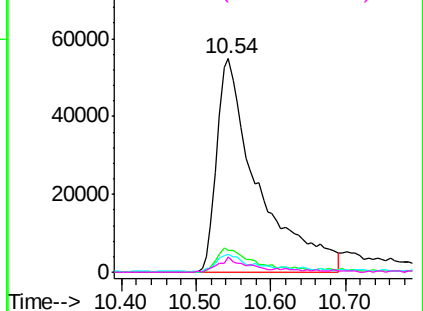


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.54 min Scan# 1235
Delta R.T. -0.08 min
Lab File: BG034058.D
Acq: 28 Apr 2018 4:33

Tot Ion:136	Resp: 210174
Ion Ratio	Lower Upper
136 100	
137 10.4	9.2 13.8
54 8.2	10.3 15.5#
68 7.1	4.5 6.7#

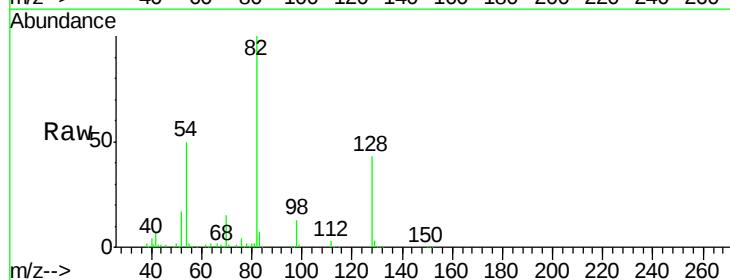


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

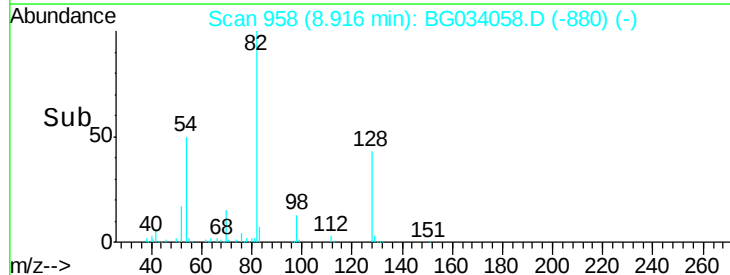
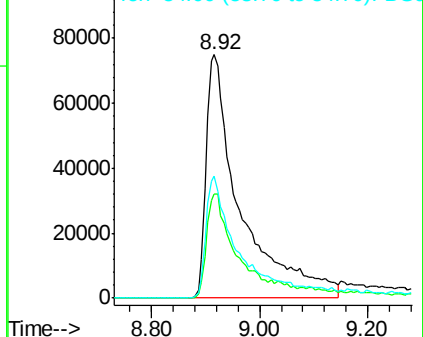


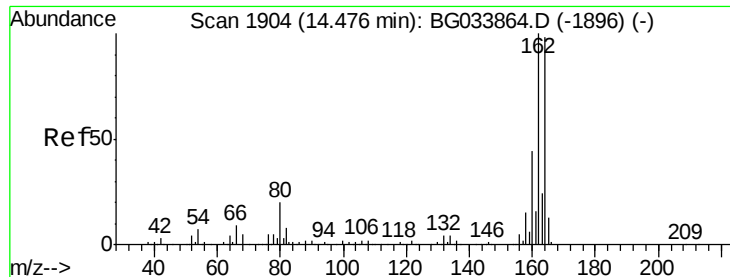
#23
Nitrobenzene-d5
Concen: 89.82 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.07 min
Lab File: BG034058.D
Acq: 28 Apr 2018 4:33

Tgt Ion: 82	Resp: 331722
Ion Ratio	Lower Upper
82 100	
128 42.9	29.7 44.5
54 50.2	43.1 64.7



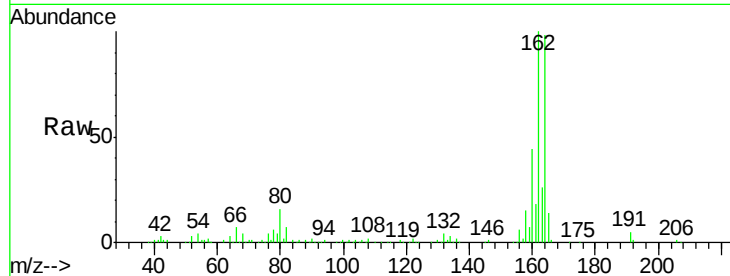
Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B



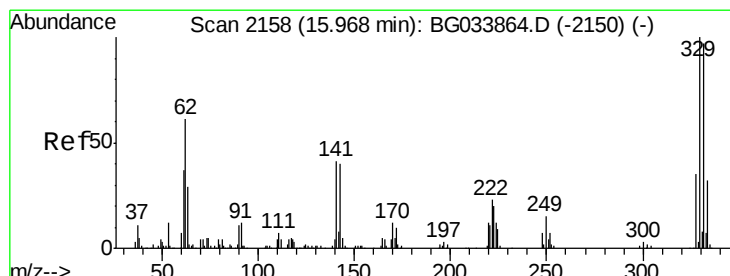
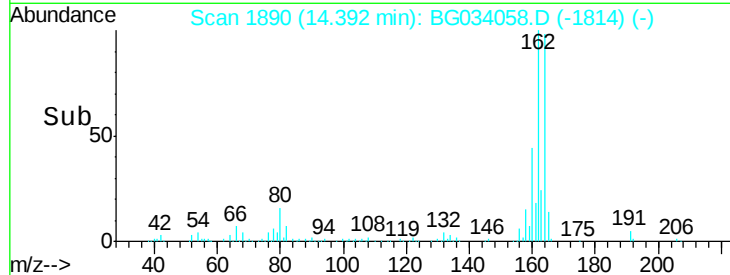
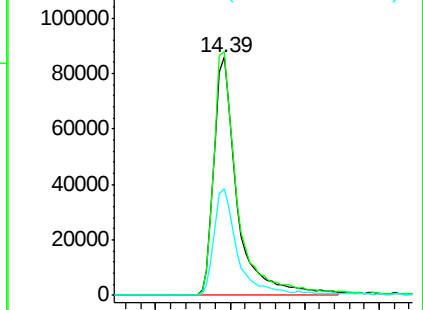


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.39 min Scan# 1890
 Delta R.T. -0.08 min
 Lab File: BG034058.D
 Acq: 28 Apr 2018 4:33

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	78.8	118.2
160	45.0	35.4	53.0

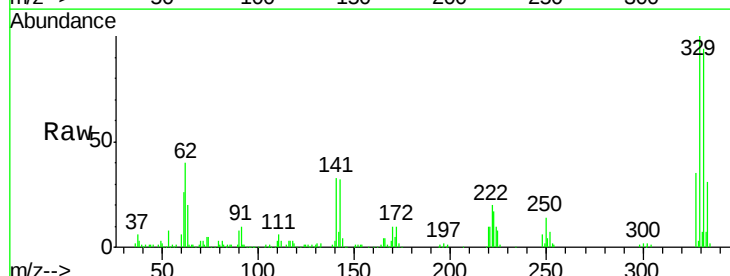


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

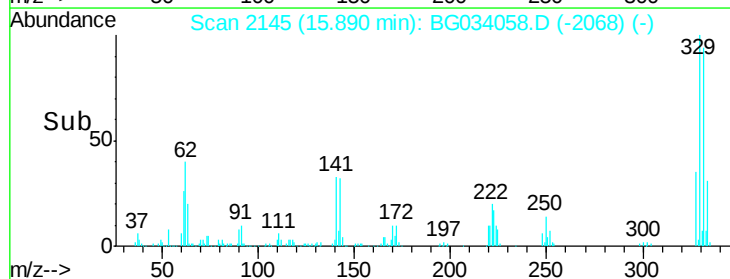
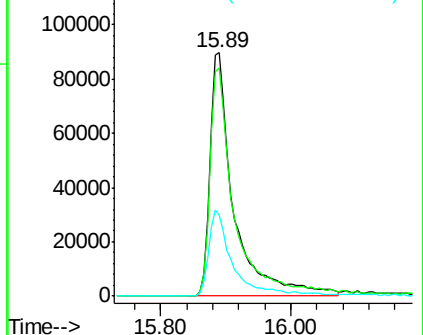


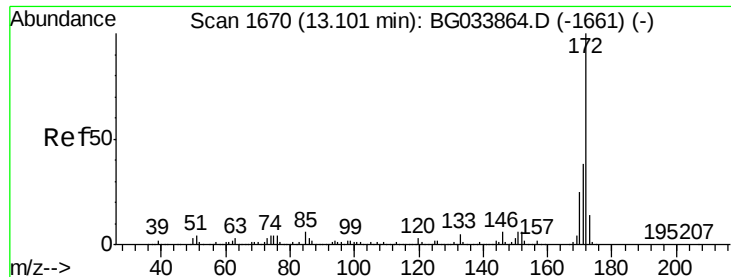
#41
 2,4,6-Tribromophenol
 Concen: 104.40 ng
 RT: 15.89 min Scan# 2145
 Delta R.T. -0.08 min
 Lab File: BG034058.D
 Acq: 28 Apr 2018 4:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	35.9	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

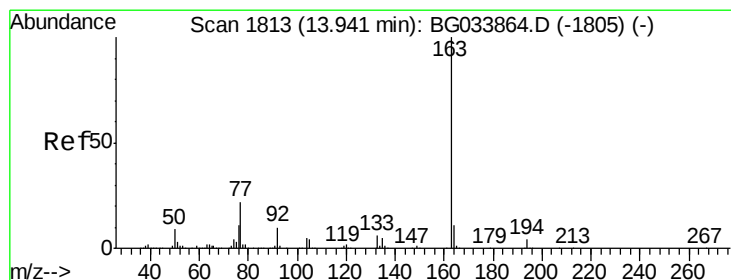
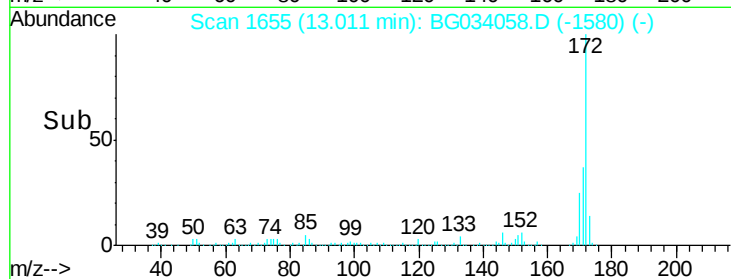
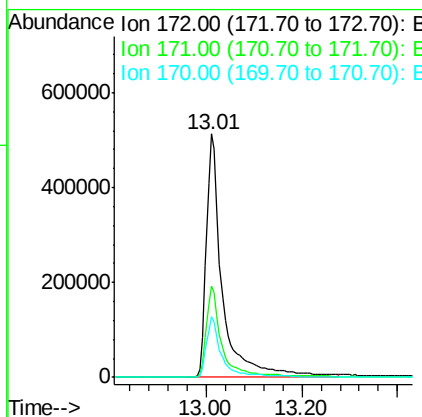
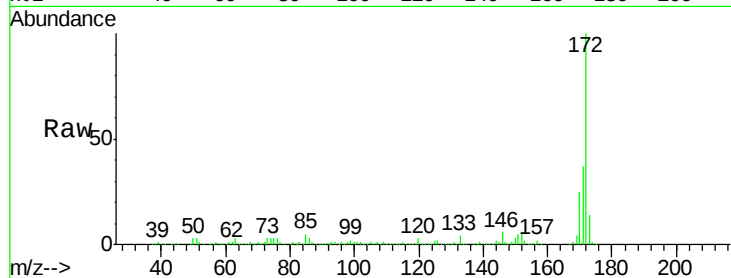




#44
 2-Fluorobiphenyl
 Concen: 95.19 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034058.D
 Acq: 28 Apr 2018 4:33

Tot Ion:172 Resp: 1213145

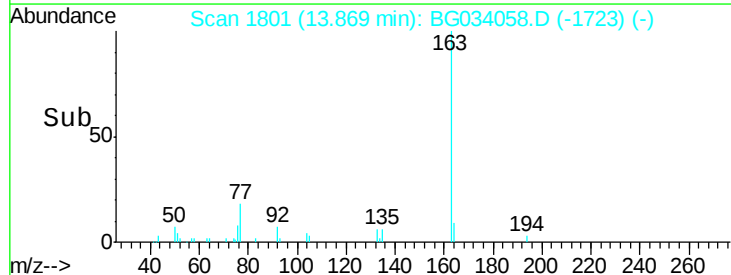
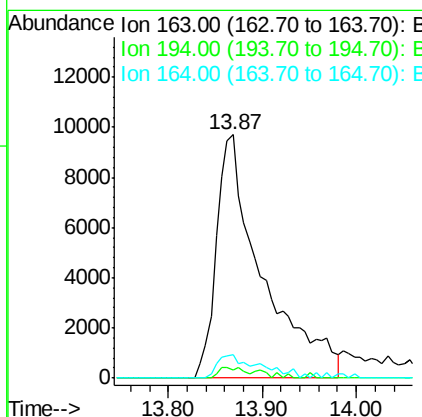
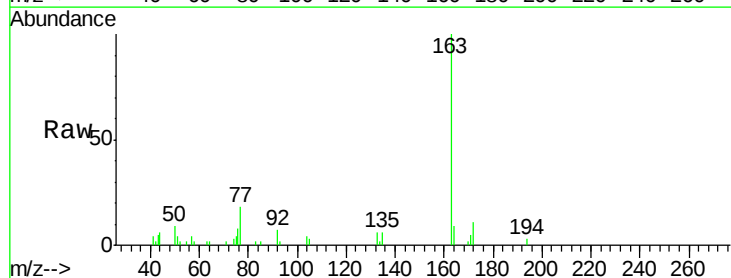
Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	25.0	19.5	29.3

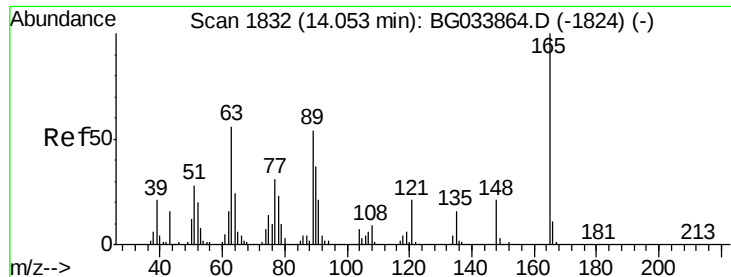


#49
 Dimethylphthalate
 Concen: 2.00 ng
 RT: 13.87 min Scan# 1801
 Delta R.T. -0.07 min
 Lab File: BG034058.D
 Acq: 28 Apr 2018 4:33

Tgt Ion:163 Resp: 33006

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.4	5.2#
164	9.4	8.2	12.4





#50

2,6-Dinitrotoluene

Concen: 7.53 ng

RT: 14.39 min Scan# 1890

Delta R.T. 0.34 min

Lab File: BG034058.D

Acq: 28 Apr 2018 4:33

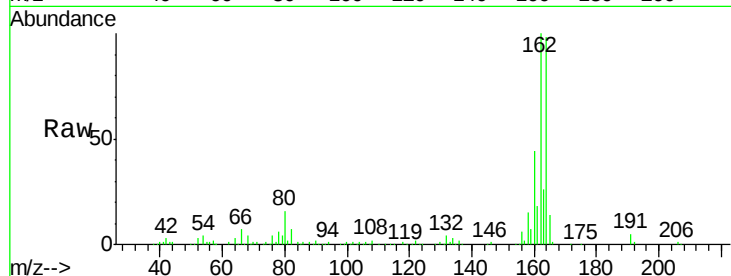
Tot Ion:165 Resp: 23511

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

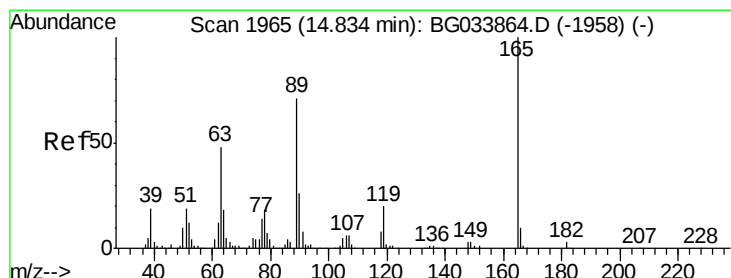
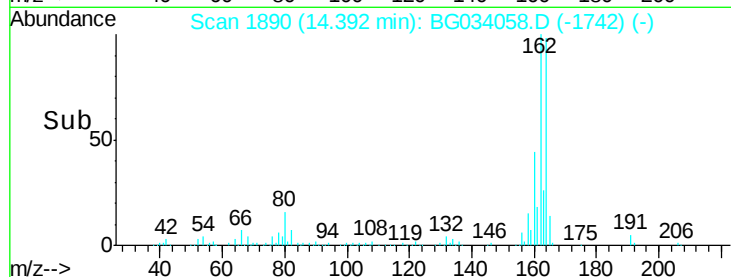
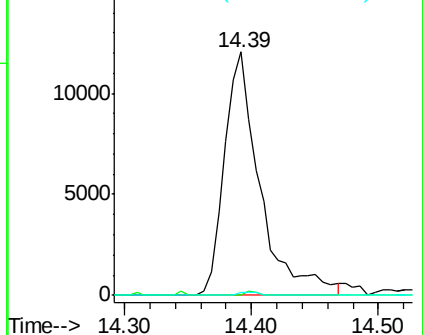
89 1.4 49.2 73.8#



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: 5.79 ng

RT: 14.39 min Scan# 1890

Delta R.T. -0.44 min

Lab File: BG034058.D

Acq: 28 Apr 2018 4:33

Tgt Ion:165 Resp: 24031

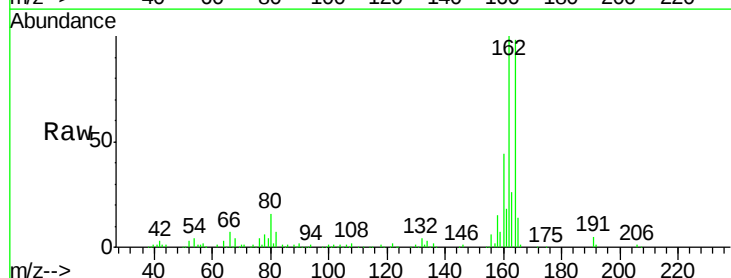
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.4 66.9 100.3#

182 0.0 2.6 3.8#

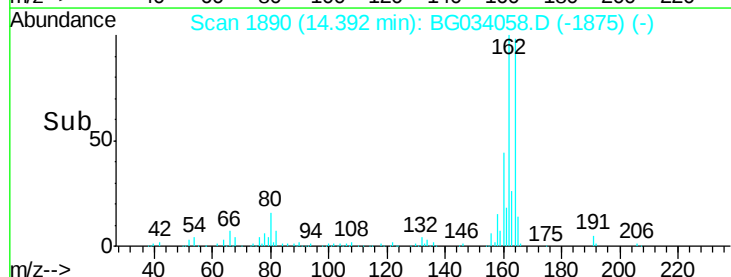
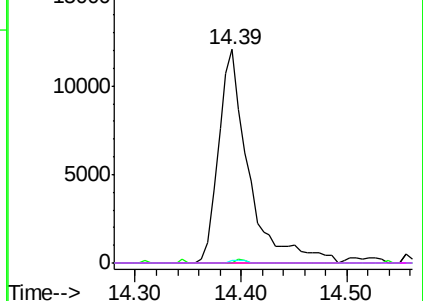


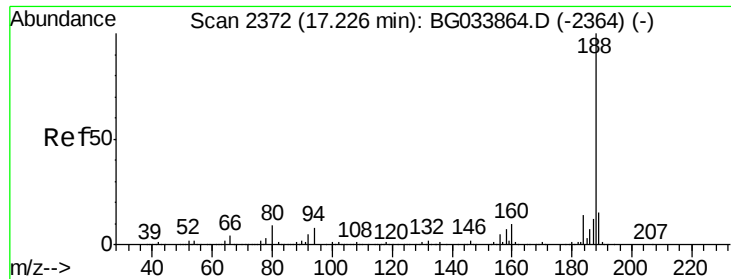
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

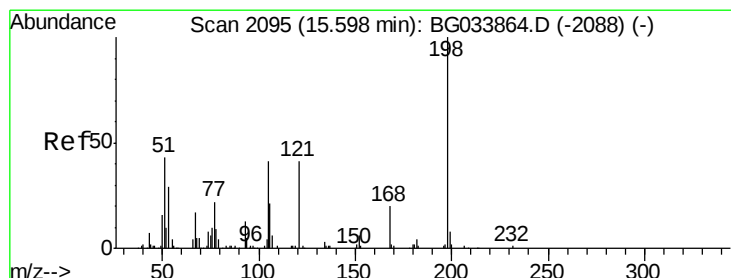
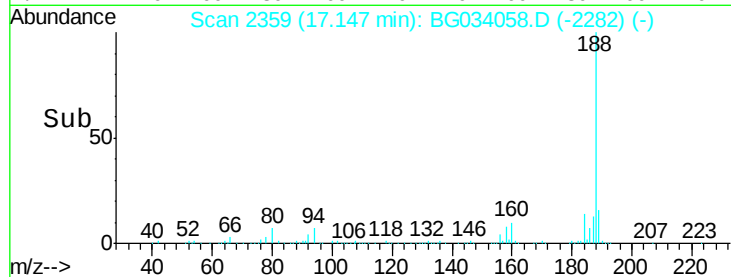
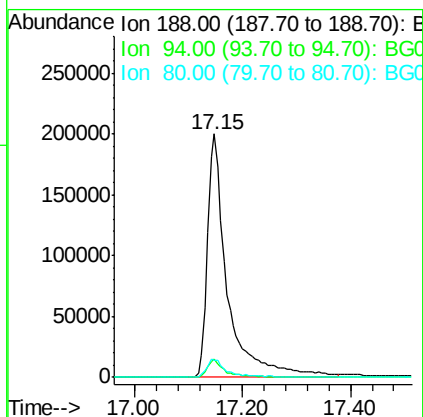
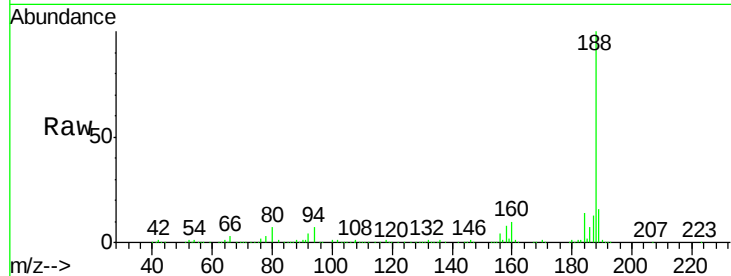
Ion 182.00 (181.70 to 182.70): E





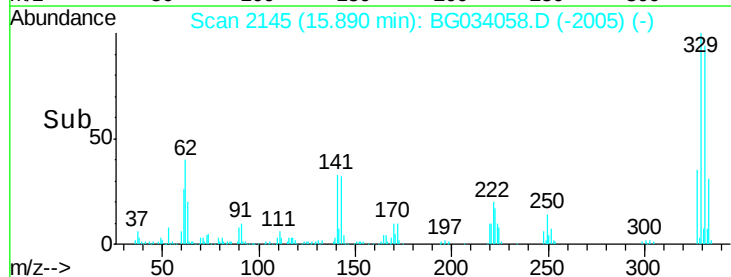
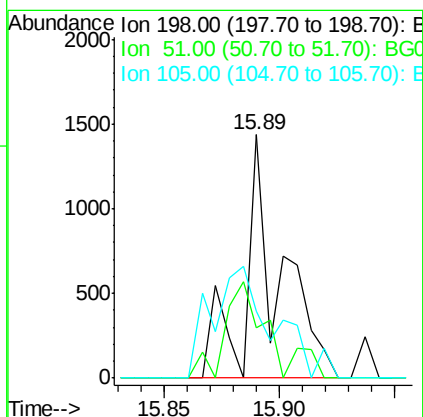
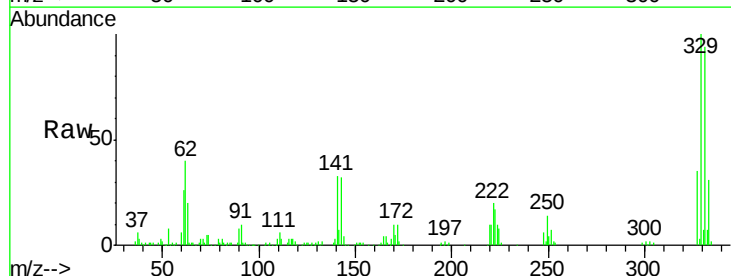
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.15 min Scan# 2359
Delta R.T. -0.08 min
Lab File: BG034058.D
Acq: 28 Apr 2018 4:33

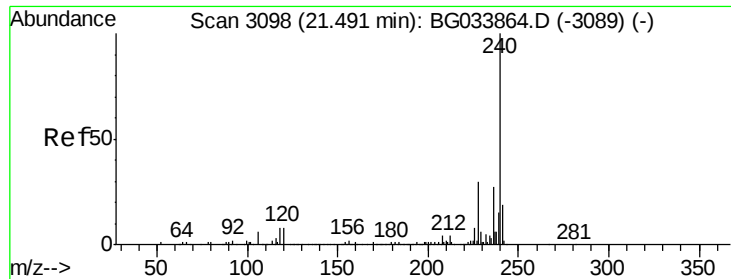
Tot Ion:188 Resp: 515693
Ion Ratio Lower Upper
188 100
94 7.3 6.9 10.3
80 7.0 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 7.01 ng
RT: 15.89 min Scan# 2145
Delta R.T. 0.29 min
Lab File: BG034058.D
Acq: 28 Apr 2018 4:33

Tgt Ion:198 Resp: 1503
Ion Ratio Lower Upper
198 100
51 20.5 30.6 70.6#
105 27.6 23.8 63.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034058.D

Acq: 28 Apr 2018 4:33

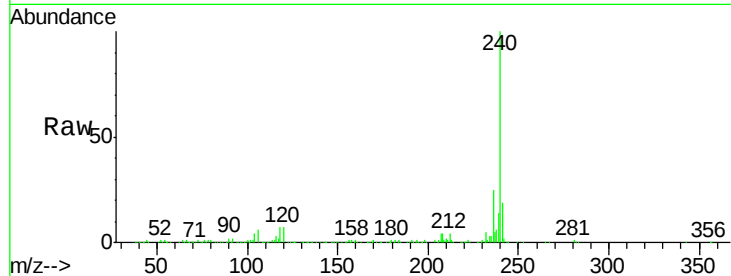
Tot Ion:240 Resp: 572882

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

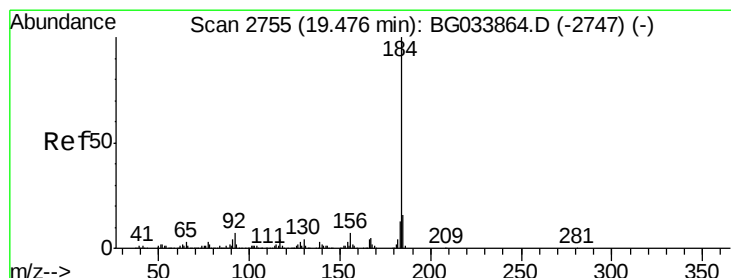
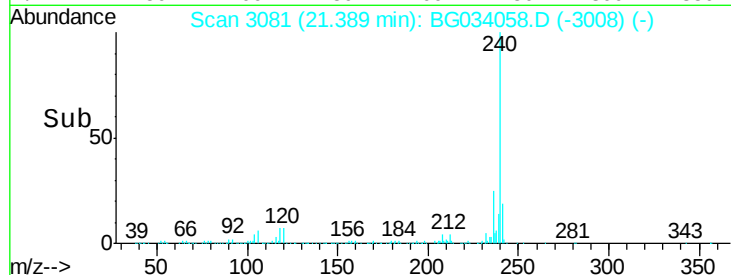
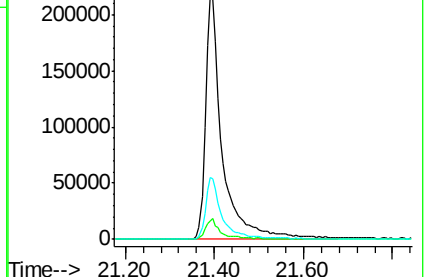
236 25.4 20.9 31.3



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: 2.23 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.30 min

Lab File: BG034058.D

Acq: 28 Apr 2018 4:33

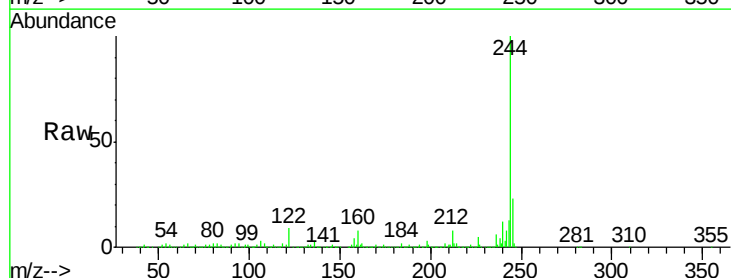
Tgt Ion:184 Resp: 34575

Ion Ratio Lower Upper

184 100

185 18.2 11.1 16.7#

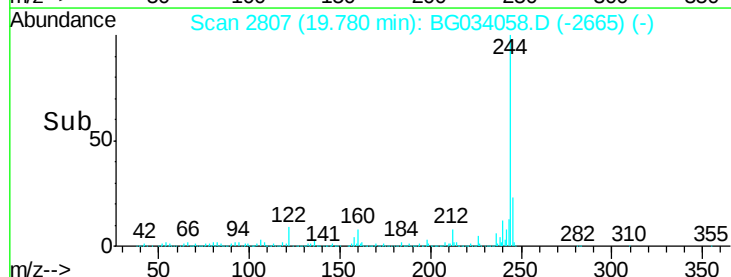
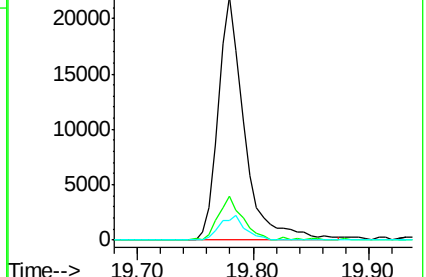
183 7.9 10.6 16.0#

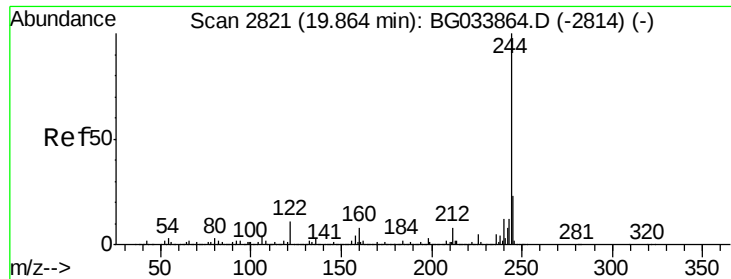


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.24 ng

RT: 19.78 min Scan# 2807

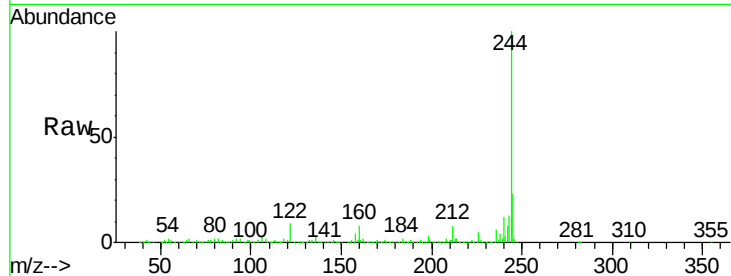
Delta R.T. -0.08 min

Lab File: BG034058.D

Acq: 28 Apr 2018 4:33

Tot Ion:244 Resp: 2403199

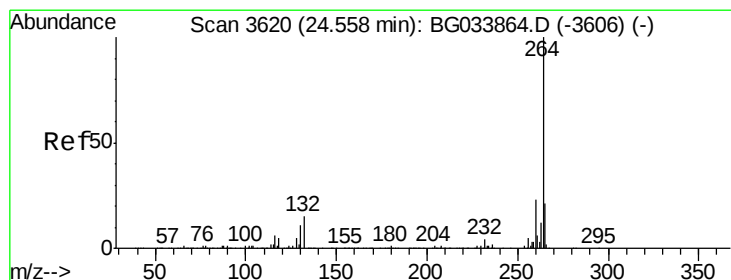
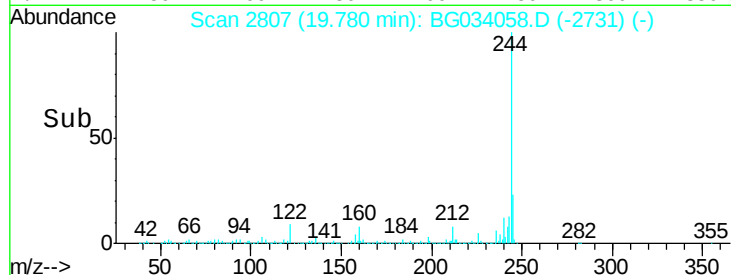
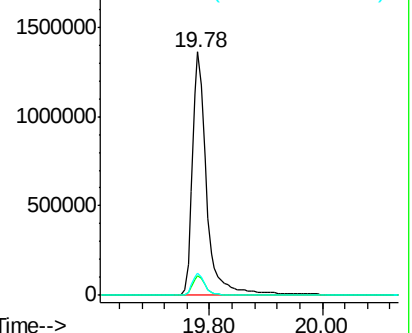
Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.8
122	9.2	7.0	10.4



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: 24.39 min Scan# 3592

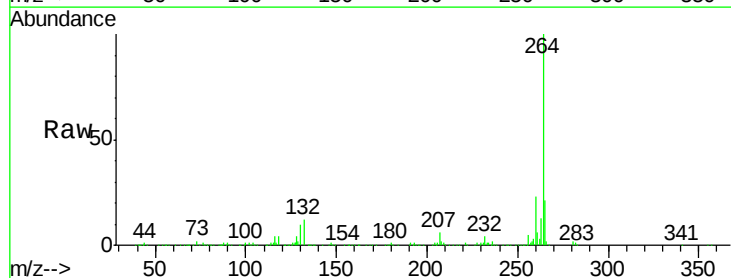
Delta R.T. -0.17 min

Lab File: BG034058.D

Acq: 28 Apr 2018 4:33

Tgt Ion:264 Resp: 549755

Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	21.4	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

