

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034059.D
 Acq On : 28 Apr 2018 5:11
 Operator : SJ/JU
 Sample : J2571-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

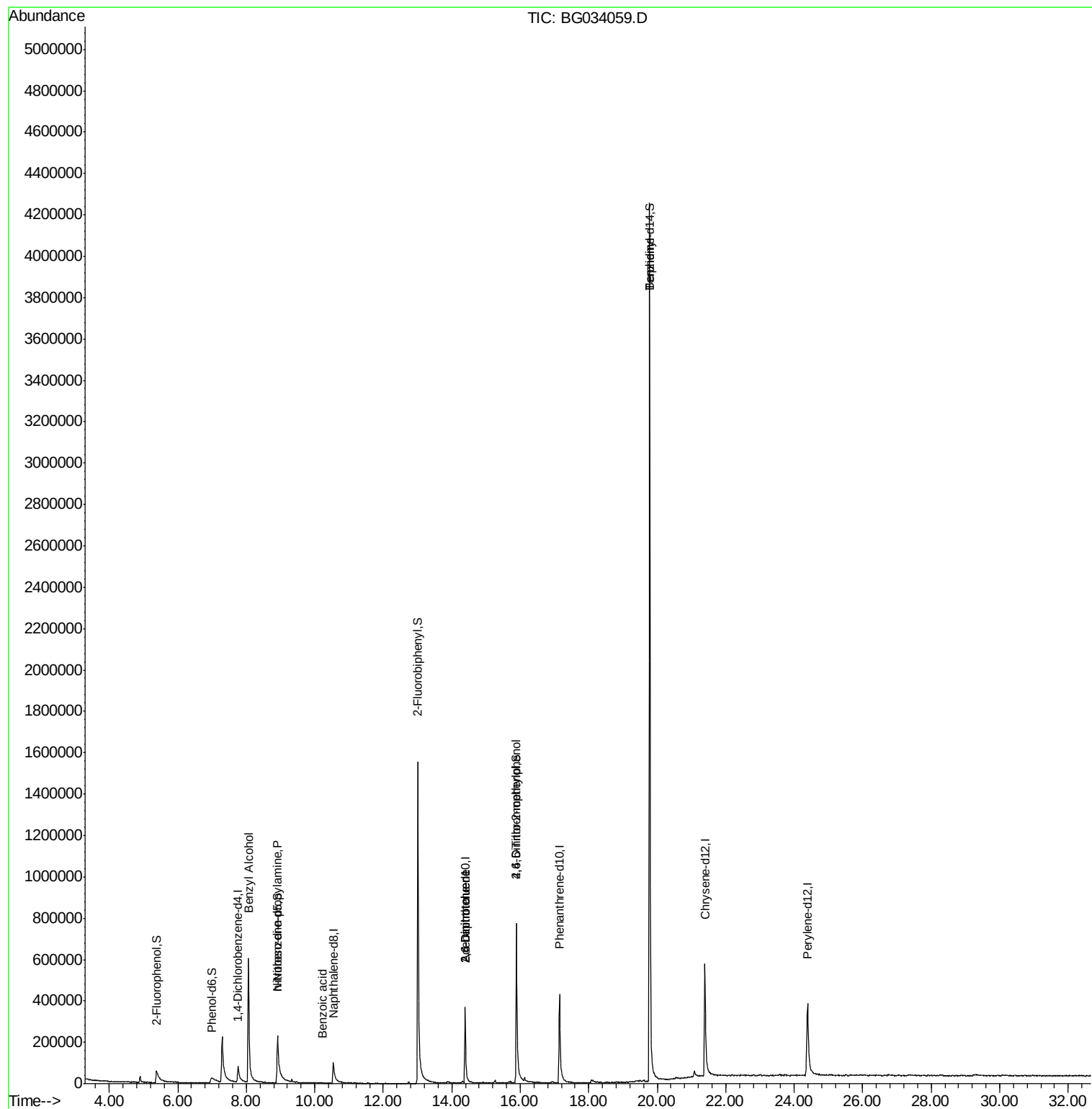
Quant Time: Apr 28 06:56:30 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

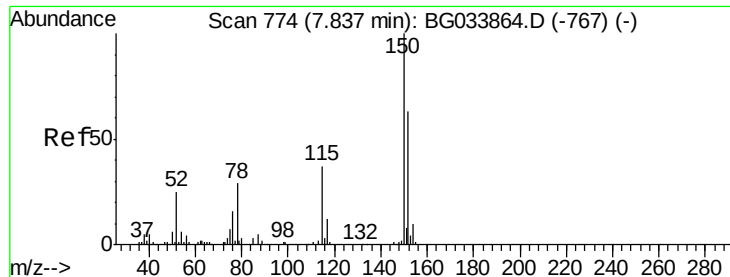
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	32886	20.00	ng	-0.08
21) Naphthalene-d8	10.54	136	221545	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	179959	20.00	ng	-0.09
63) Phenanthrene-d10	17.15	188	491688	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	537435	20.00	ng	-0.10
86) Perylene-d12	24.39	264	515303	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	87042	42.26	ng	-0.07
7) Phenol-d6	6.98	99	62077	20.66	ng	-0.02
23) Nitrobenzene-d5	8.91	82	309450	79.49	ng	-0.08
41) 2,4,6-Tribromophenol	15.88	330	245315	116.84	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1275855	104.15	ng	-0.09
78) Terphenyl-d14	19.78	244	2530466	105.78	ng	-0.08
Target Compounds						
9) Benzaldehyde	6.91	77	69	Below Cal	#	5
15) Benzyl Alcohol	8.06	79	6586	2.51	ng	# 49
19) n-Nitroso-di-n-propylamine	8.91	70	40872	15.96	ng	# 85
32) Benzoic acid	10.21	122	53	5.10	ng	# 1
50) 2,6-Dinitrotoluene	14.39	165	22768	7.59	ng	# 20
56) 2,4-Dinitrotoluene	14.39	165	23164	5.81	ng	# 17
64) 4,6-Dinitro-2-methylphenol	15.89	198	1781	7.14	ng	# 60
76) Benzydine	19.78	184	37267	2.57	ng	# 88

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

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Response via : Initial Calibration

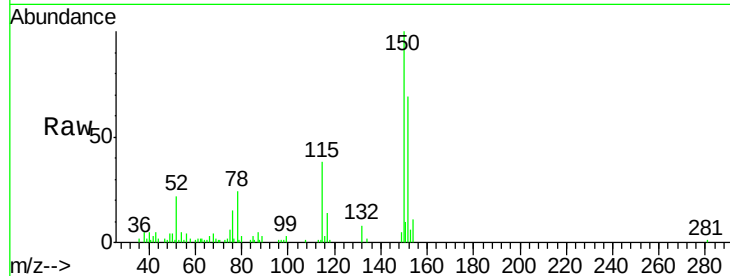




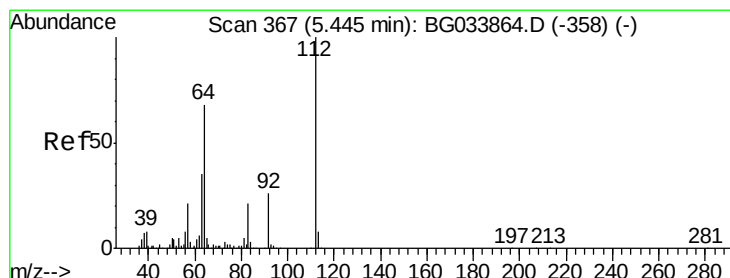
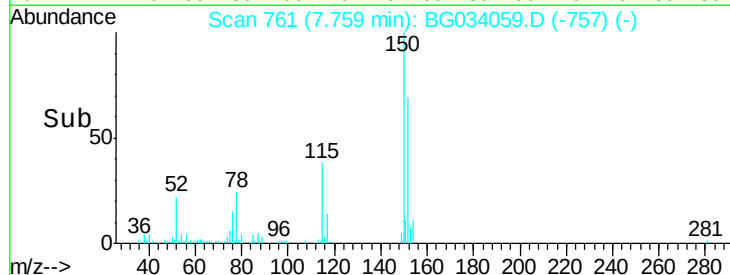
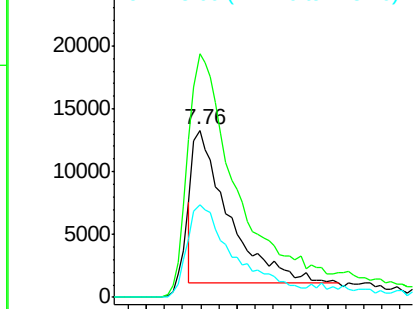
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 761
Delta R.T. -0.08 min
Lab File: BG034059.D
Acq: 28 Apr 2018 5:11

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.7	126.6	189.8
115	55.5	53.0	79.4



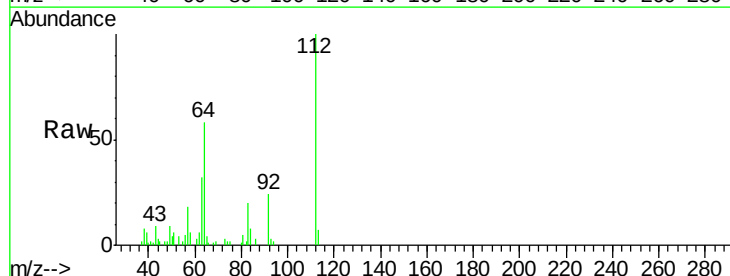
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



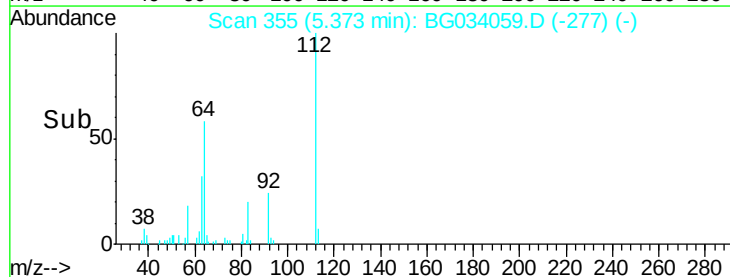
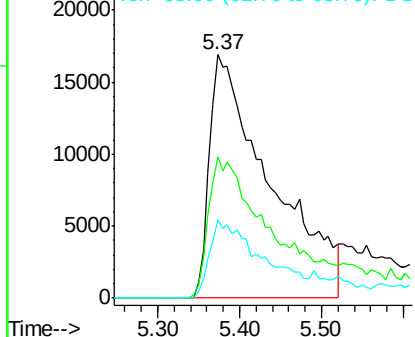
#5

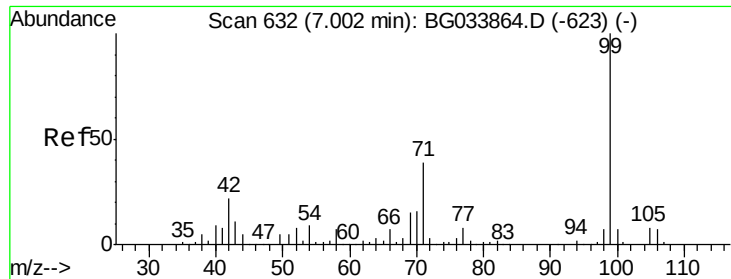
2-Fluorophenol
Concen: 42.26 ng
RT: 5.37 min Scan# 355
Delta R.T. -0.07 min
Lab File: BG034059.D
Acq: 28 Apr 2018 5:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	56.3	84.5
63	32.1	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: 20.66 ng

RT: 6.98 min Scan# 629

Delta R.T. -0.02 min

Lab File: BG034059.D

Acq: 28 Apr 2018 5:11

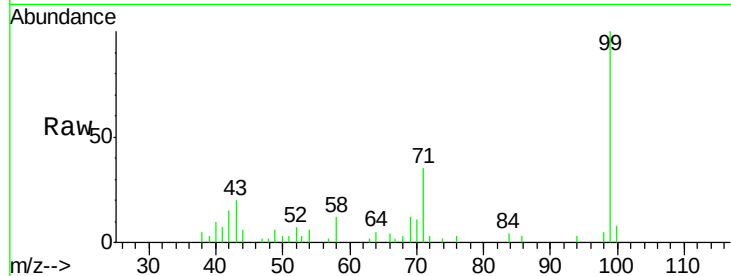
Tot Ion: 99 Resp: 62077

Ion Ratio Lower Upper

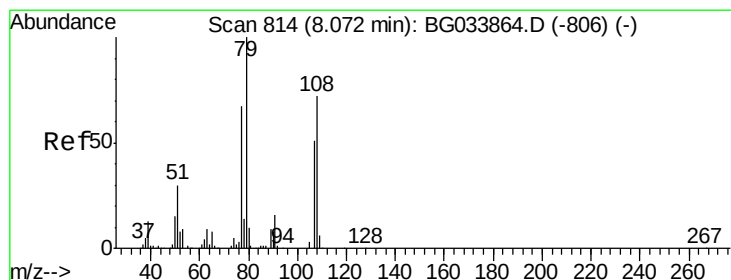
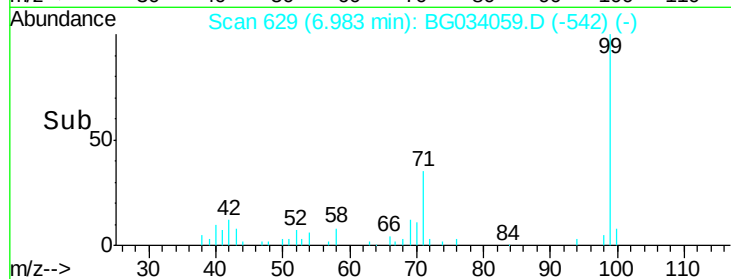
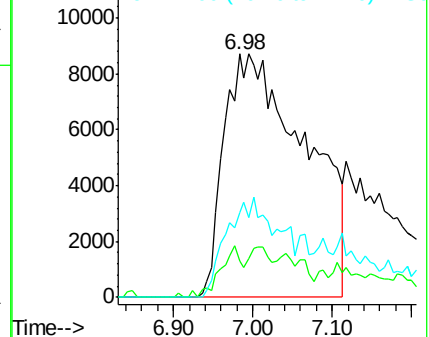
99 100

42 14.7 14.1 21.1

71 34.8 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



#15

Benzyl Alcohol

Concen: 2.51 ng

RT: 8.06 min Scan# 812

Delta R.T. -0.01 min

Lab File: BG034059.D

Acq: 28 Apr 2018 5:11

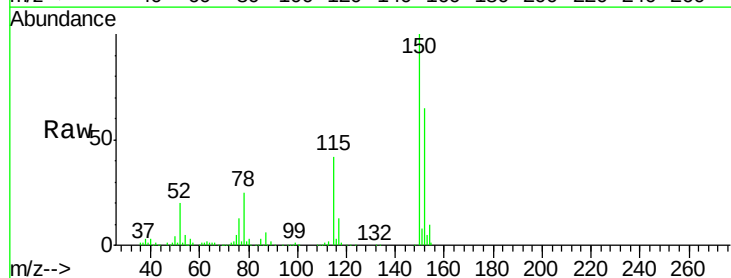
Tgt Ion: 79 Resp: 6586

Ion Ratio Lower Upper

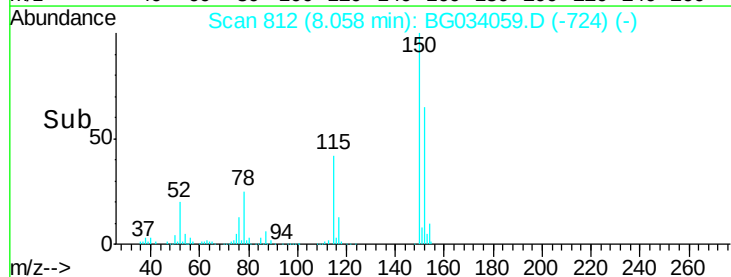
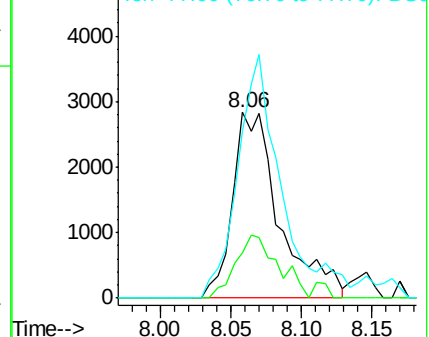
79 100

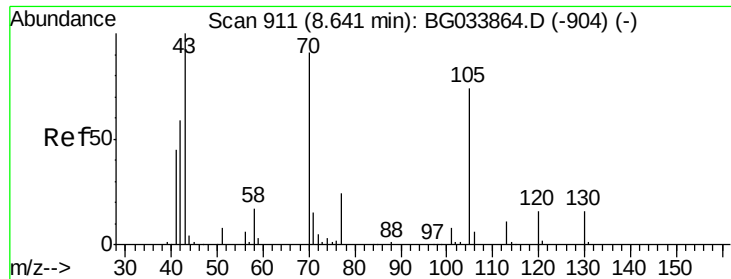
108 24.5 57.2 85.8#

77 89.9 46.1 69.1#



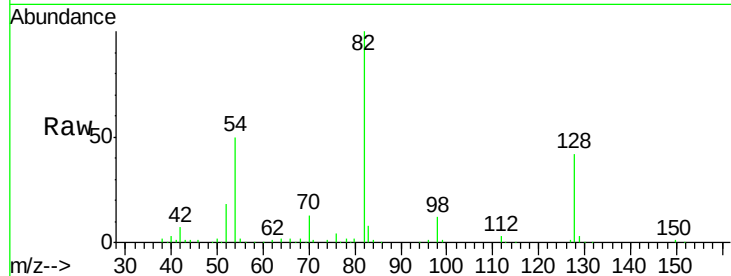
Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



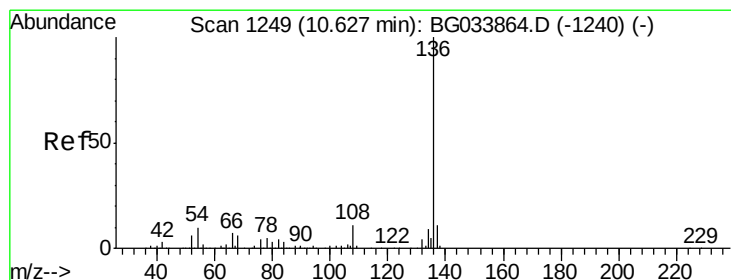
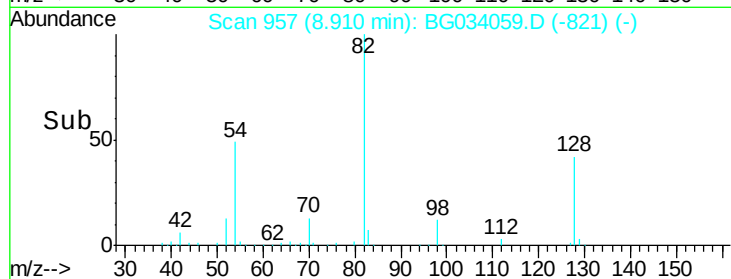
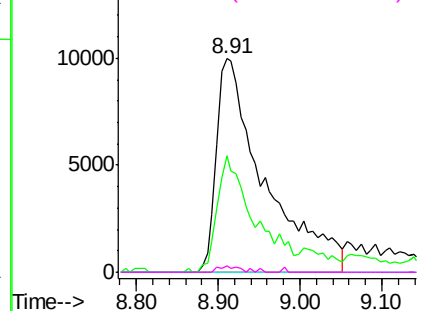


#19
n-Nitroso-di-n-propylamine
Concen: 15.96 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.27 min
Lab File: BG034059.D
Acq: 28 Apr 2018 5:11

Tot Ion: 70 Resp: 40872
Ion Ratio Lower Upper
70 100
42 54.8 49.1 73.7
101 0.0 8.5 12.7#
130 2.7 13.4 20.0#



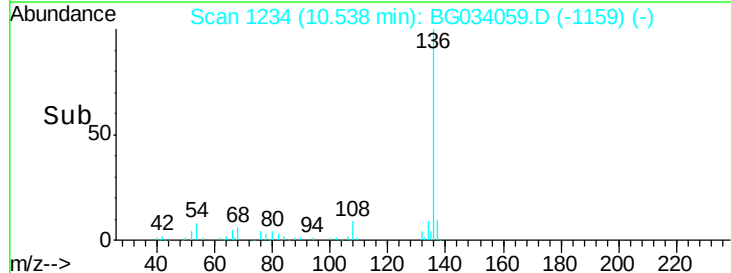
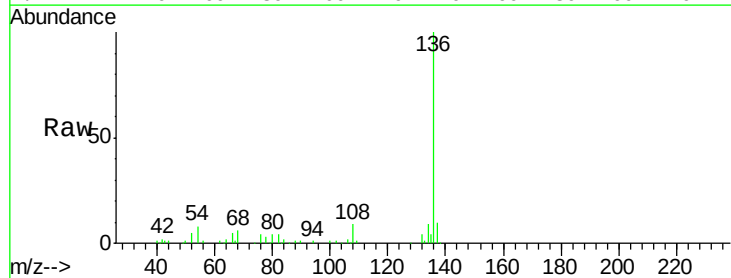
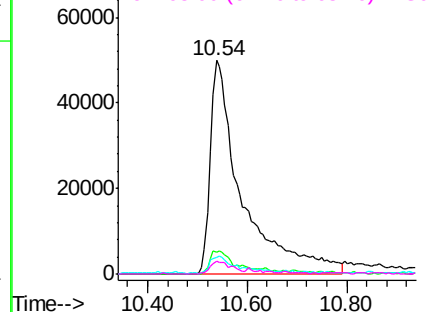
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

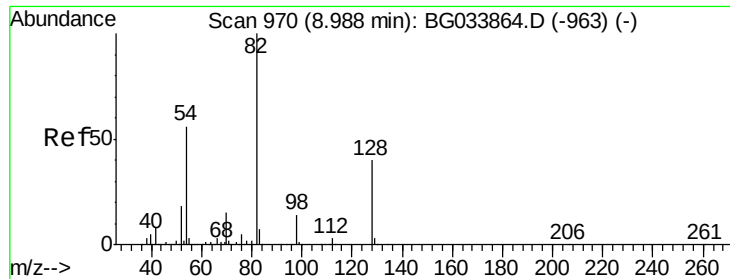


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.54 min Scan# 1234
Delta R.T. -0.09 min
Lab File: BG034059.D
Acq: 28 Apr 2018 5:11

Tgt Ion: 136 Resp: 221545
Ion Ratio Lower Upper
136 100
137 10.2 9.2 13.8
54 8.0 10.3 15.5#
68 5.8 4.5 6.7

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





#23

Nitrobenzene-d5

Concen: 79.49 ng

RT: 8.91 min Scan# 957

Delta R.T. -0.08 min

Lab File: BG034059.D

Acq: 28 Apr 2018 5:11

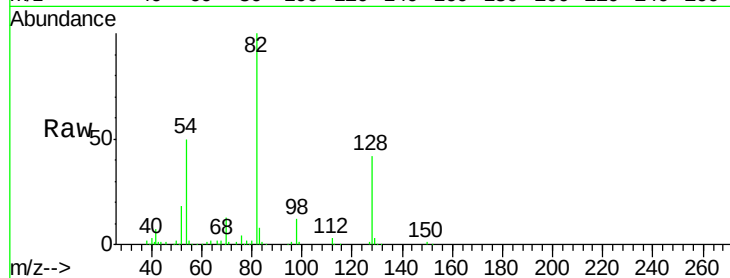
Tot Ion: 82 Resp: 309450

Ion Ratio Lower Upper

82 100

128 42.1 29.7 44.5

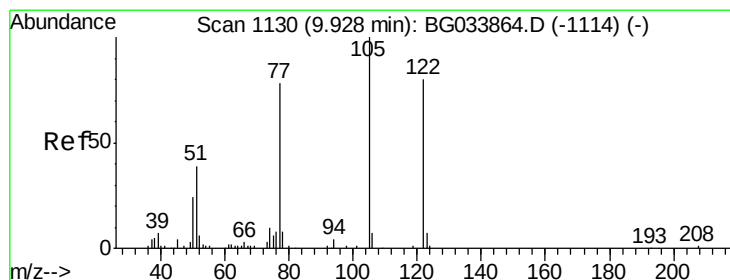
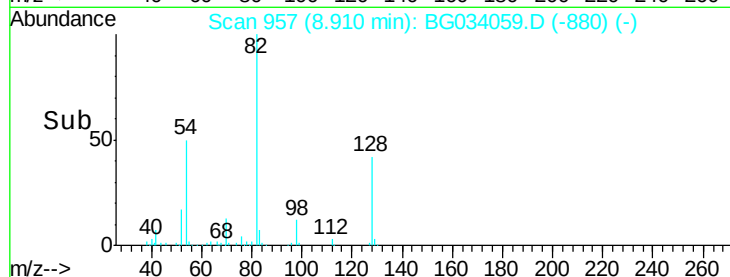
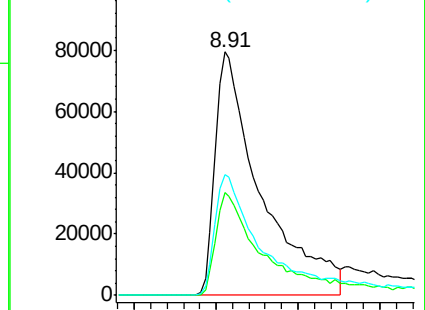
54 49.6 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#32

Benzoic acid

Concen: 5.10 ng

RT: 10.21 min Scan# 1179

Delta R.T. 0.29 min

Lab File: BG034059.D

Acq: 28 Apr 2018 5:11

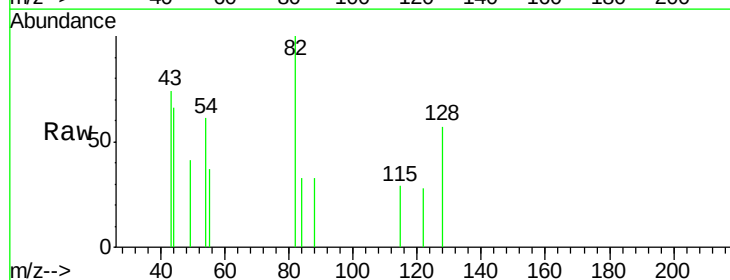
Tgt Ion: 122 Resp: 53

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

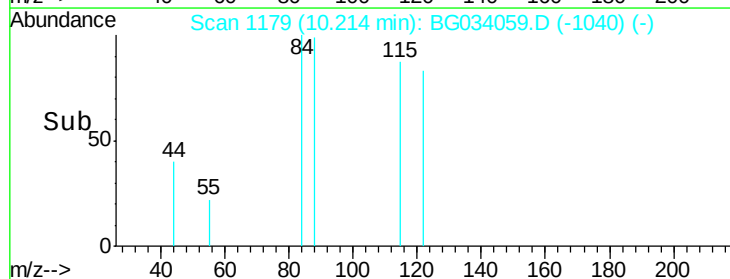
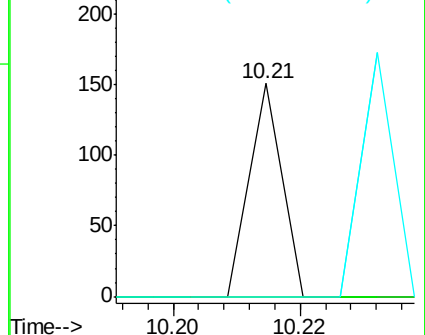
77 0.0 85.7 125.7#

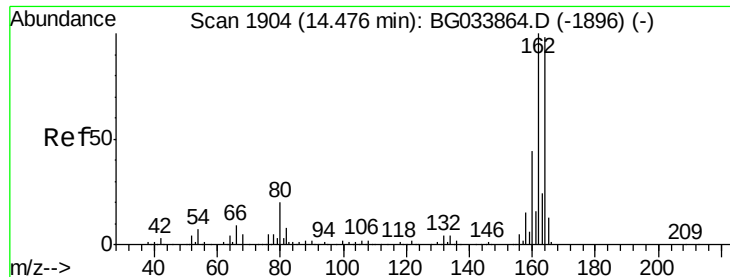


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

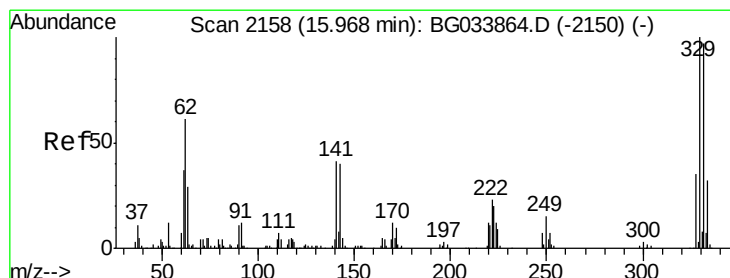
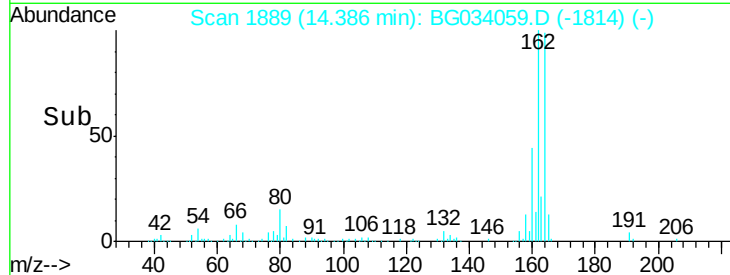
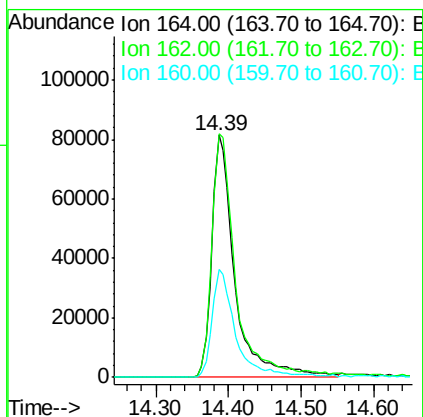
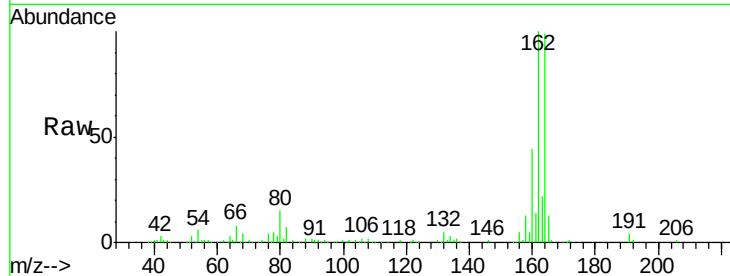
Ion 77.00 (76.70 to 77.70): BGC





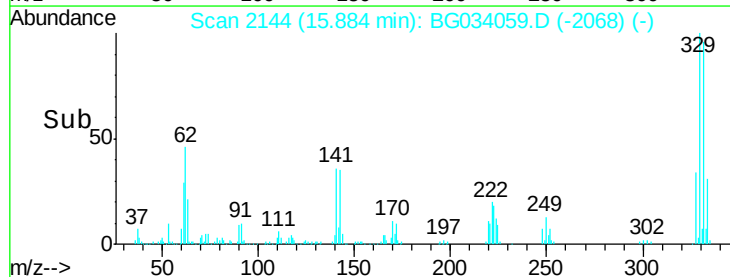
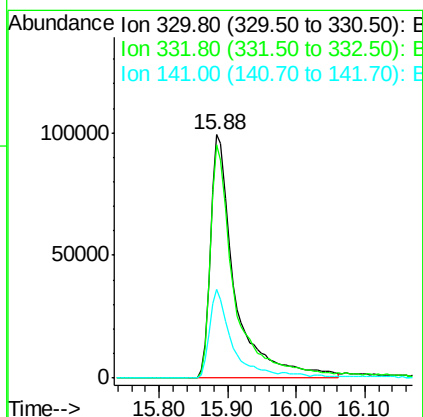
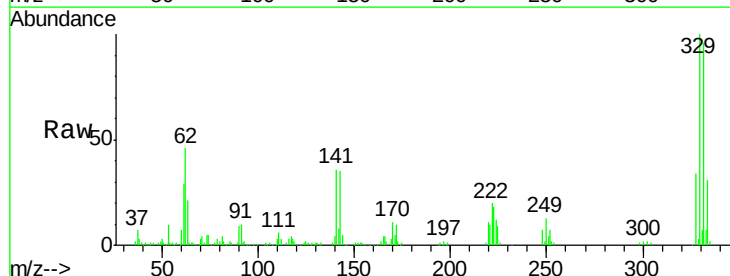
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.39 min Scan# 1889
 Delta R.T. -0.09 min
 Lab File: BG034059.D
 Acq: 28 Apr 2018 5:11

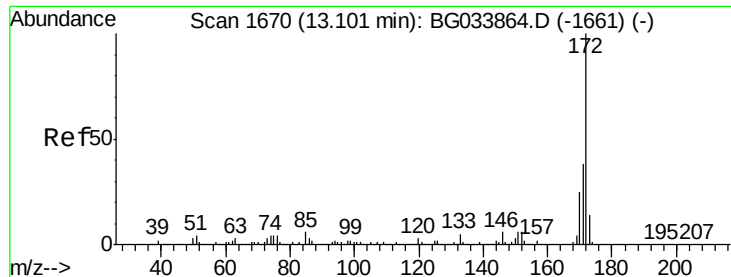
Tot Ion:164 Resp: 179959
 Ion Ratio Lower Upper
 164 100
 162 100.7 78.8 118.2
 160 44.8 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 116.84 ng
 RT: 15.88 min Scan# 2144
 Delta R.T. -0.08 min
 Lab File: BG034059.D
 Acq: 28 Apr 2018 5:11

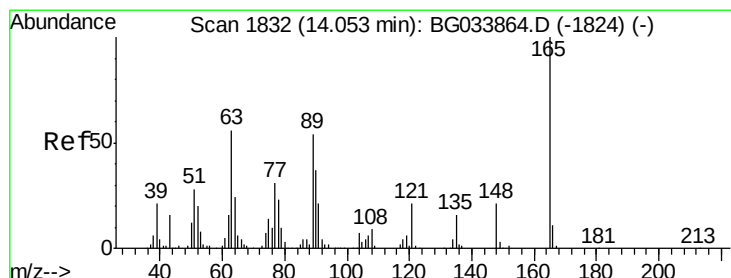
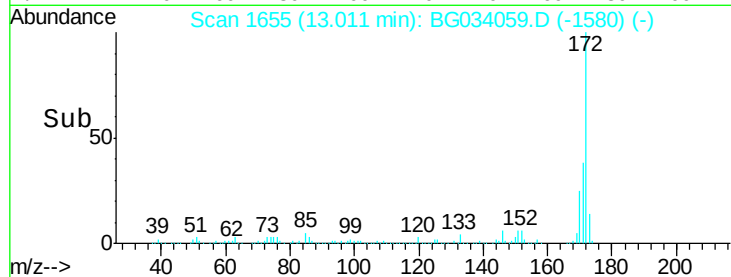
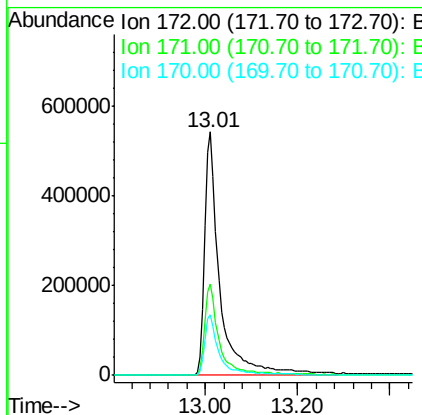
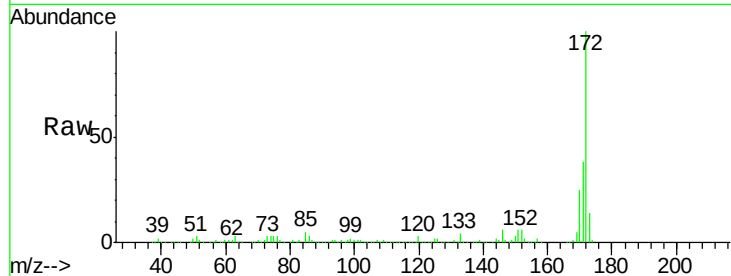
Tgt Ion:330 Resp: 245315
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 35.6 25.2 37.8





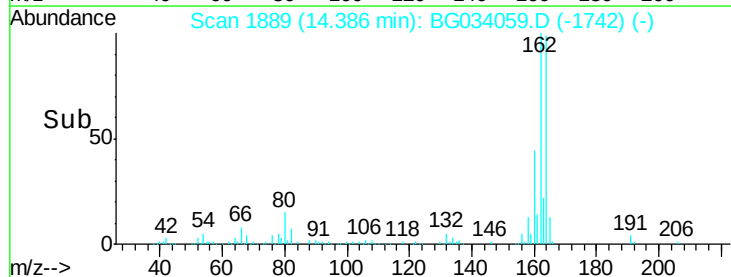
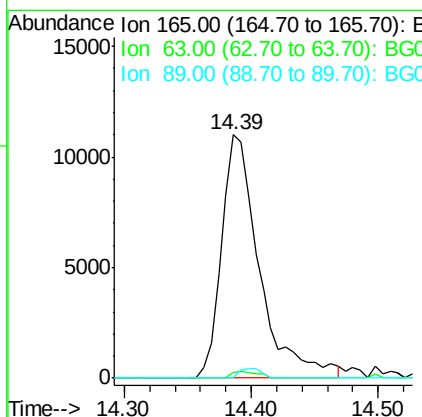
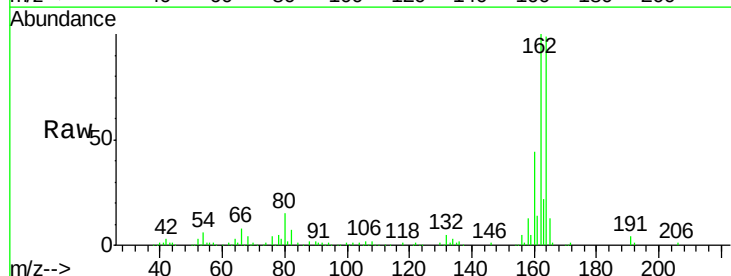
#44
 2-Fluorobiphenyl
 Concen: 104.15 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034059.D
 Acq: 28 Apr 2018 5:11

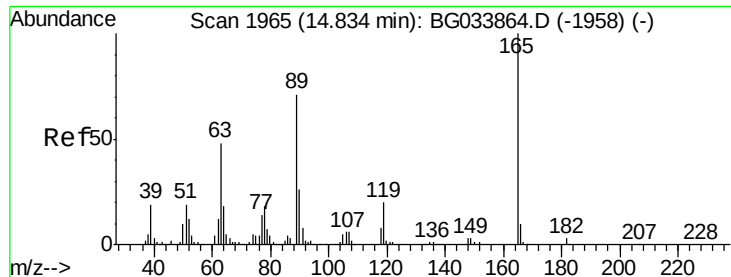
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	24.9	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.59 ng
 RT: 14.39 min Scan# 1889
 Delta R.T. 0.33 min
 Lab File: BG034059.D
 Acq: 28 Apr 2018 5:11

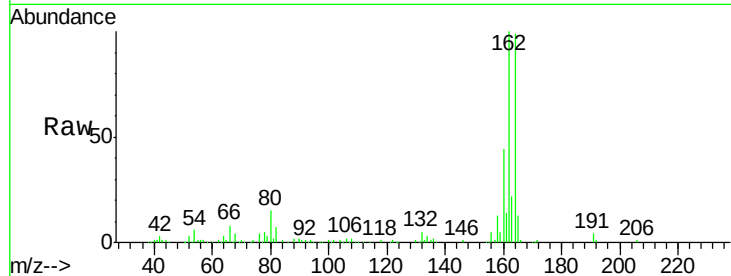
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	52.7	79.1#
89	0.0	49.2	73.8#





#56
2,4-Dinitrotoluene
Concen: 5.81 ng
RT: 14.39 min Scan# 1889
Delta R.T. -0.45 min
Lab File: BG034059.D
Acq: 28 Apr 2018 5:11

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

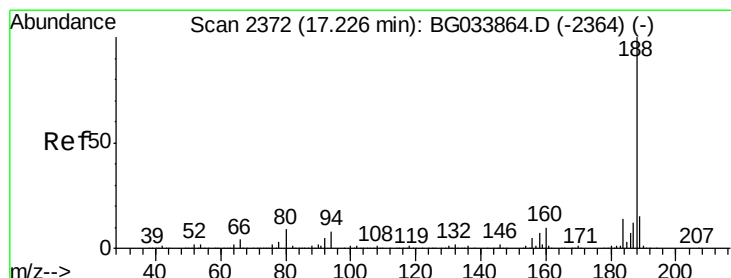
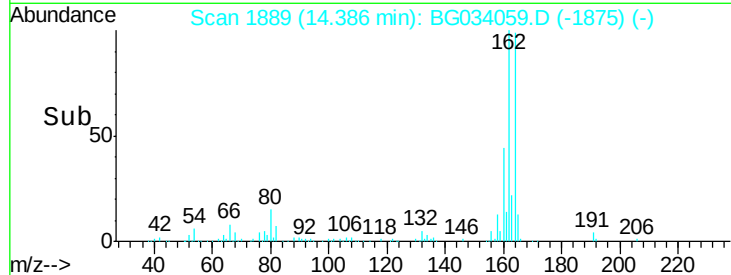
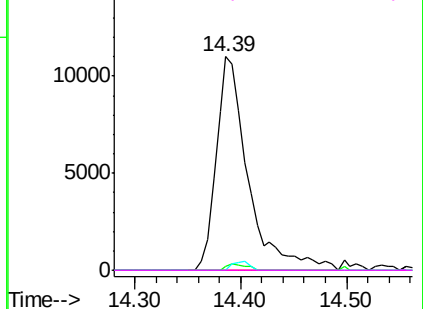


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

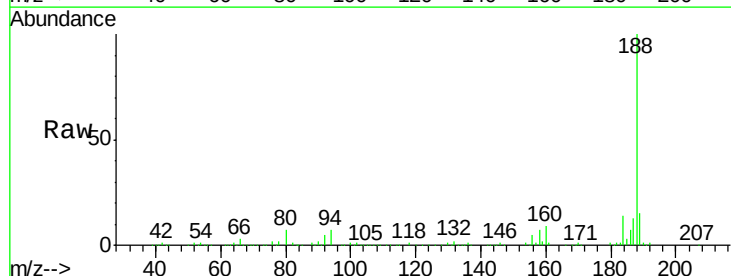
Ion 89.00 (88.70 to 89.70): BGC

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: BG034059.D
Acq: 28 Apr 2018 5:11

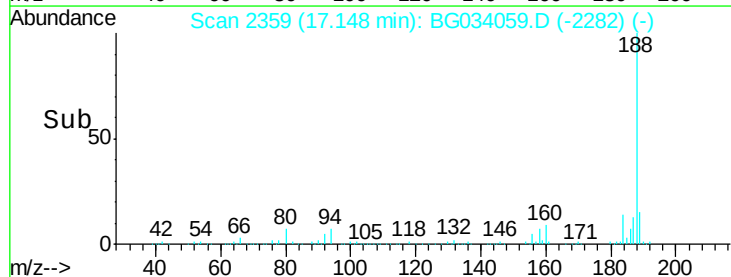
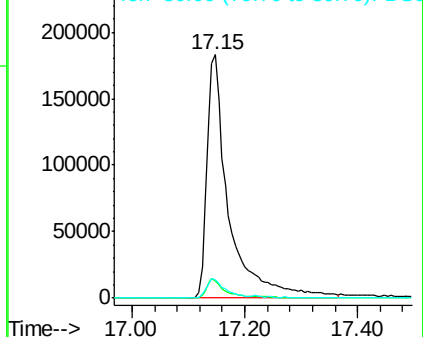
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	6.9	10.3
80	7.5	7.7	11.5#

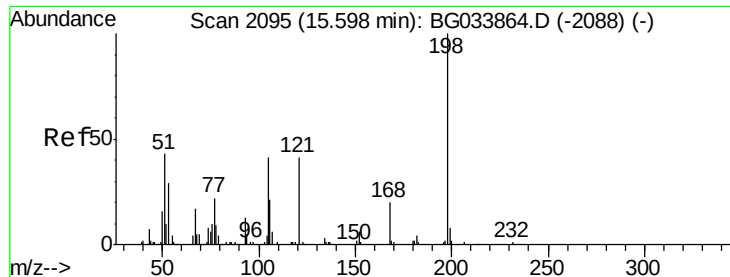


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

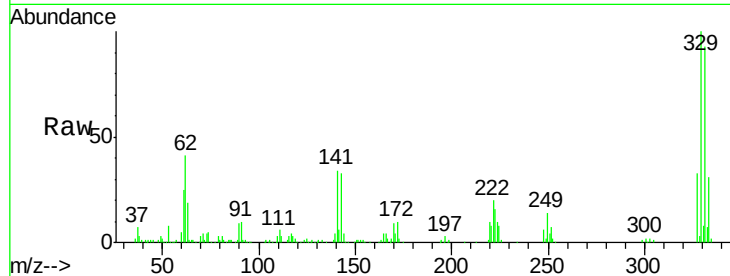
Ion 80.00 (79.70 to 80.70): BGC



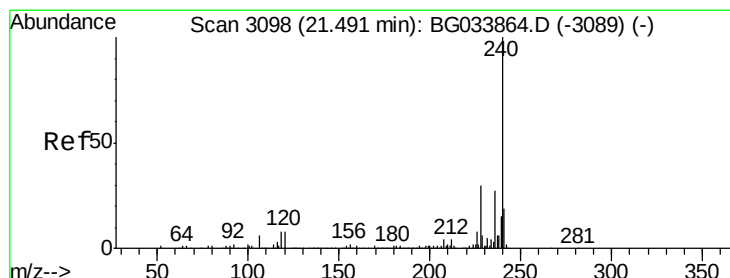
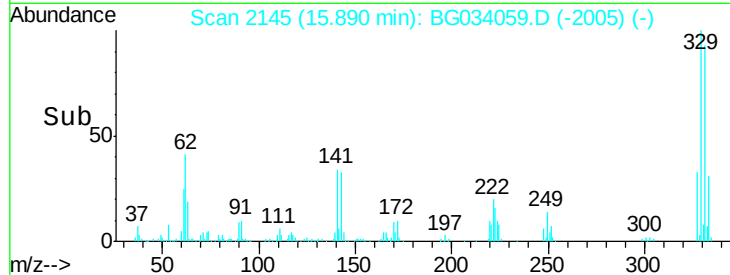
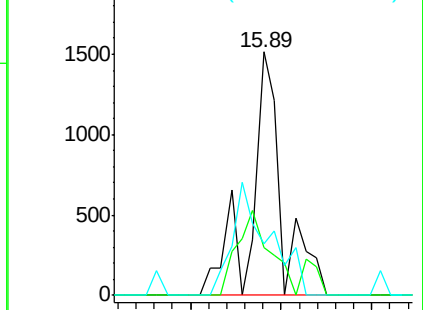


#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.14 ng
 RT: 15.89 min Scan# 2145
 Delta R.T. 0.29 min
 Lab File: BG034059.D
 Acq: 28 Apr 2018 5:11

Tot Ion	Ratio	Lower	Upper
198	100		
51	19.5	30.6	70.6#
105	21.3	23.8	63.8#

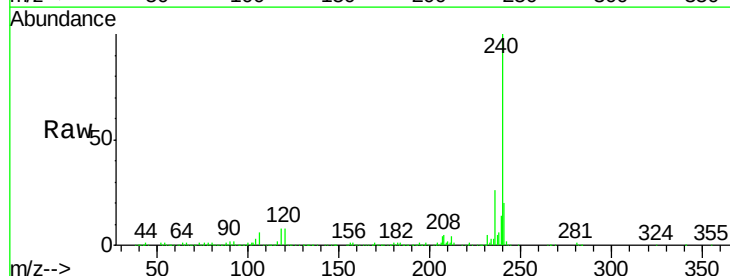


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

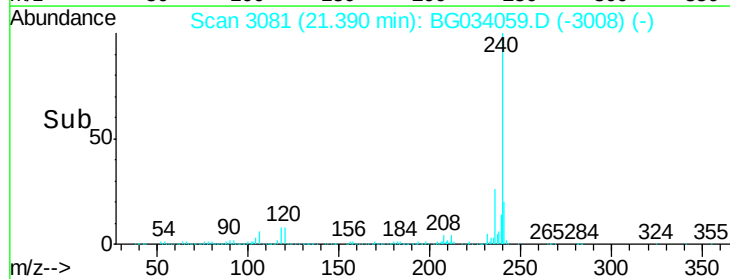
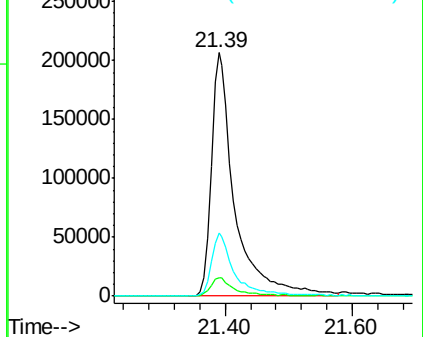


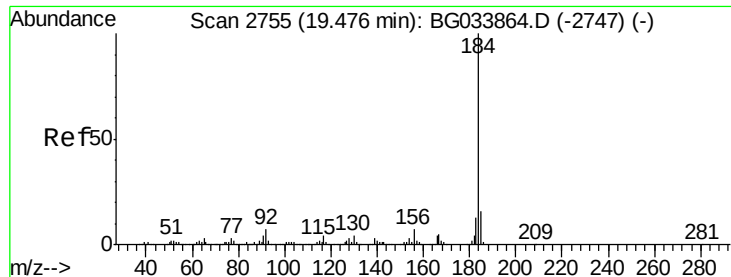
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.39 min Scan# 3081
 Delta R.T. -0.10 min
 Lab File: BG034059.D
 Acq: 28 Apr 2018 5:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.8	10.2
236	26.0	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: 2.57 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.30 min

Lab File: BG034059.D

Acq: 28 Apr 2018 5:11

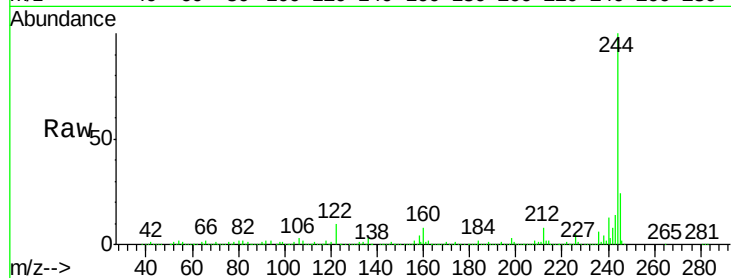
Tot Ion:184 Resp: 37267

Ion Ratio Lower Upper

184 100

185 19.3 11.1 16.7#

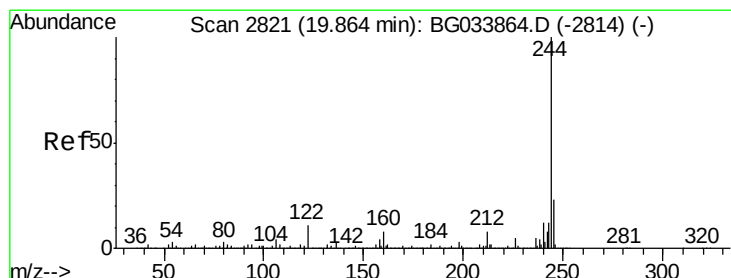
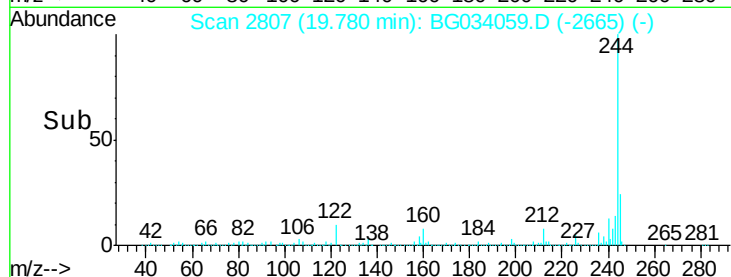
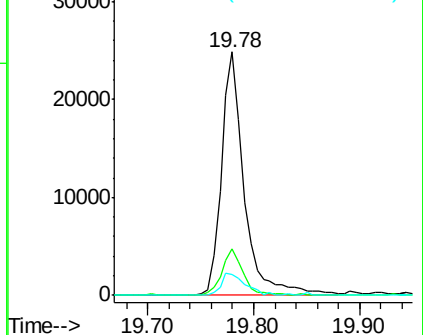
183 8.6 10.6 16.0#



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: 105.78 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034059.D

Acq: 28 Apr 2018 5:11

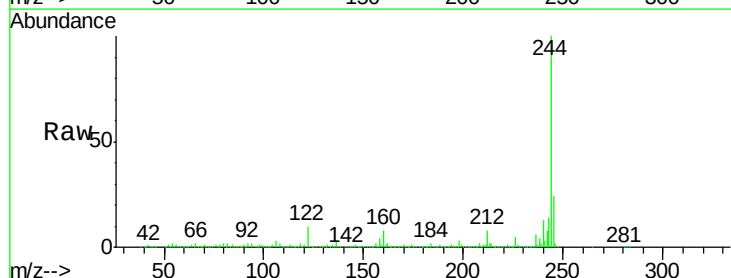
Tgt Ion:244 Resp: 2530466

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

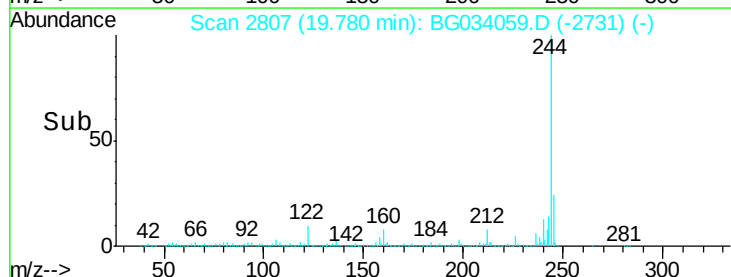
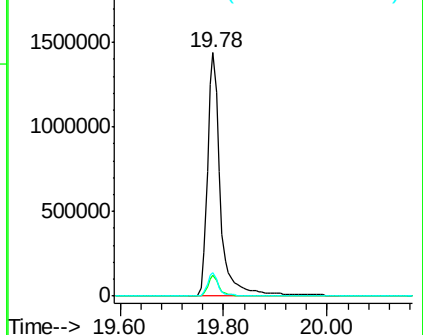
122 9.6 7.0 10.4

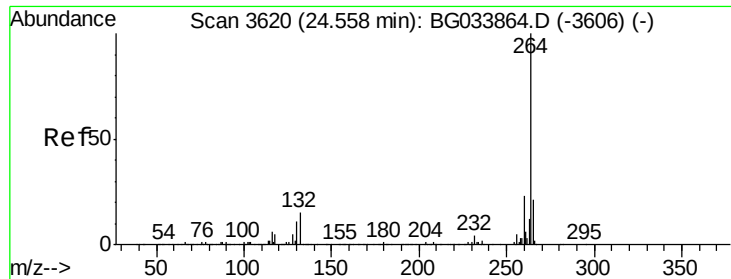


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

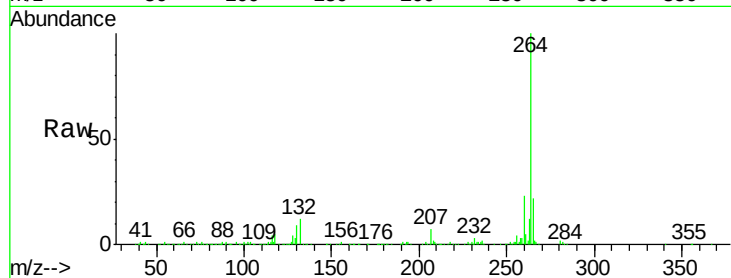
Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.39 min Scan# 3591
Delta R.T. -0.17 min
Lab File: BG034059.D
Acq: 28 Apr 2018 5:11

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	22.1	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

