

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034060.D
 Acq On : 28 Apr 2018 5:48
 Operator : SJ/JU
 Sample : J2571-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 28 06:56:56 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	7.77	152	31959	20.00	ng	-0.07
21) Naphthalene-d8	10.54	136	234581	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	207551	20.00	ng	-0.09
63) Phenanthrene-d10	17.14	188	519453	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	545608	20.00	ng	-0.10
86) Perylene-d12	24.39	264	559474	20.00	ng	-0.17

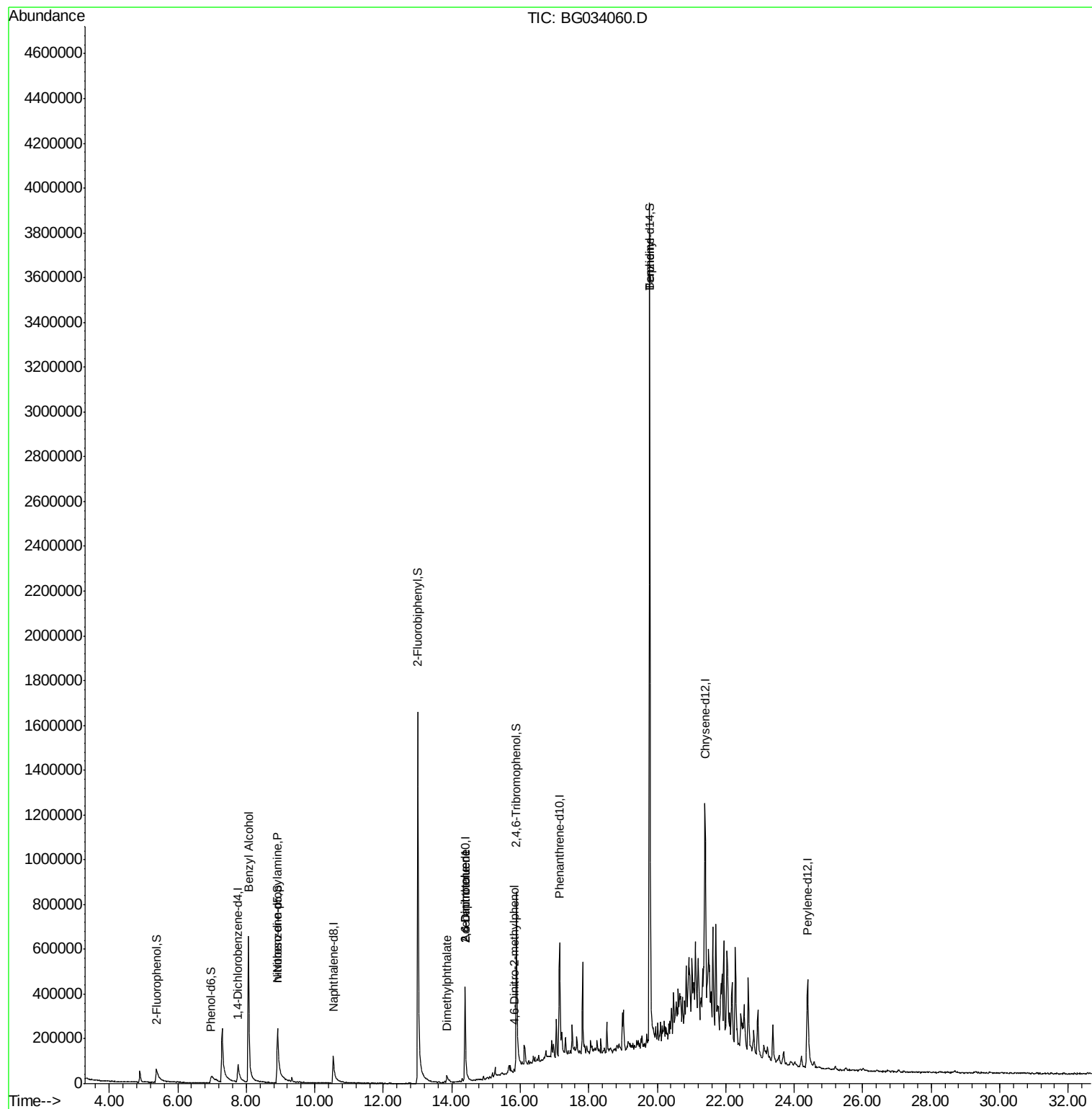
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	95739	47.83	ng	-0.07
7) Phenol-d6	6.98	99	54362	18.62	ng	-0.02
23) Nitrobenzene-d5	8.91	82	367227	89.09	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	245962	101.58	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1350997	95.62	ng	-0.09
78) Terphenyl-d14	19.78	244	2265976	93.30	ng	-0.08

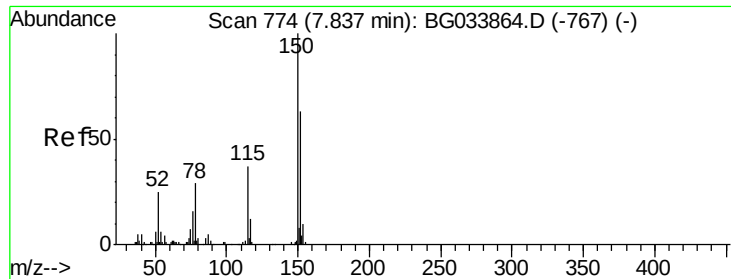
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.97	77	56	Below Cal	#	5
15) Benzyl Alcohol	8.07	79	6693	2.63	ng	38
19) n-Nitroso-di-n-propylamine	8.91	70	35884	14.42	ng	79
49) Dimethylphthalate	13.86	163	50298	2.75	ng	98
50) 2,6-Dinitrotoluene	14.39	165	26453	7.65	ng	19
56) 2,4-Dinitrotoluene	14.39	165	26800	5.82	ng	17
64) 4,6-Dinitro-2-methylphenol	15.83	198	68	6.51	ng	1
76) Benzydine	19.78	184	34410	2.34	ng	94

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

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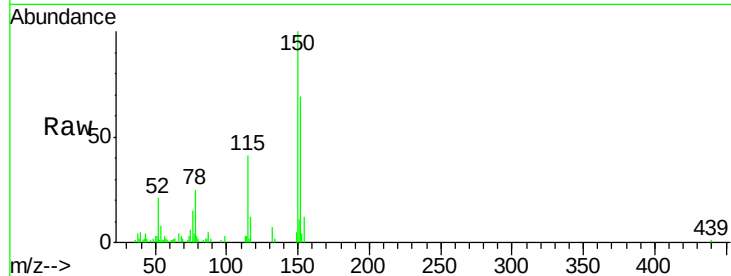




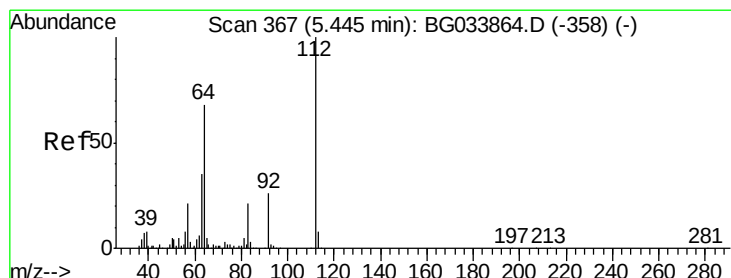
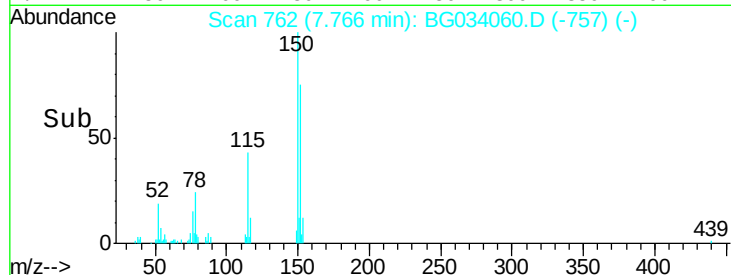
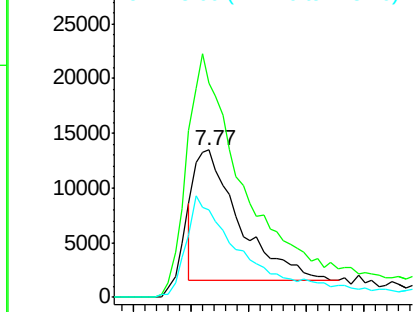
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 762
Delta R.T. -0.07 min
Lab File: BG034060.D
Acq: 28 Apr 2018 5:48

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.3	126.6	189.8
115	59.2	53.0	79.4



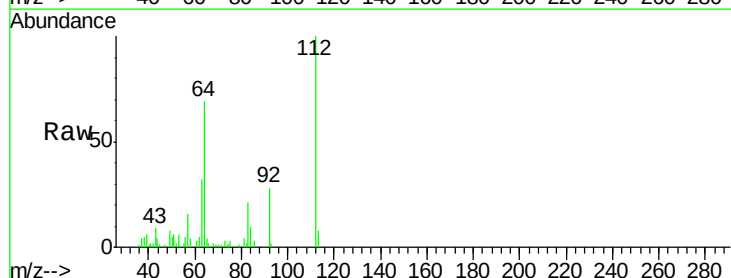
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



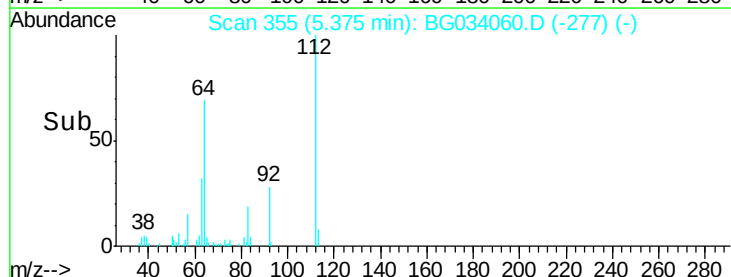
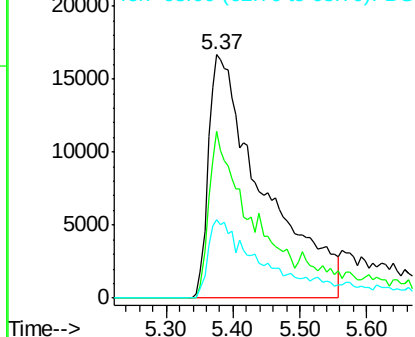
#5

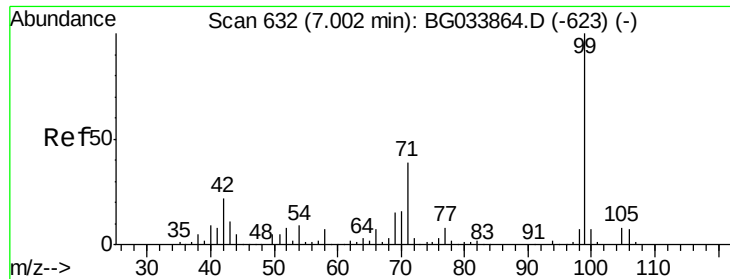
2-Fluorophenol
Concen: 47.83 ng
RT: 5.37 min Scan# 355
Delta R.T. -0.07 min
Lab File: BG034060.D
Acq: 28 Apr 2018 5:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	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: 18.62 ng

RT: 6.98 min Scan# 628

Delta R.T. -0.02 min

Lab File: BG034060.D

Acq: 28 Apr 2018 5:48

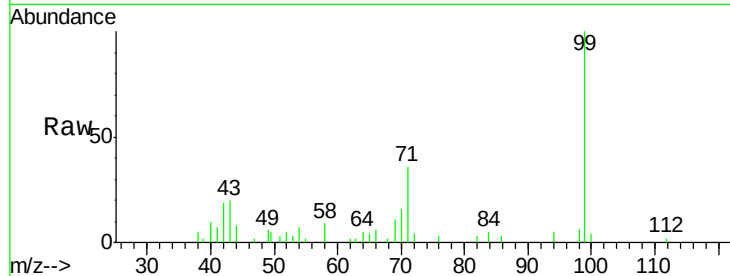
Tot Ion: 99 Resp: 54362

Ion Ratio Lower Upper

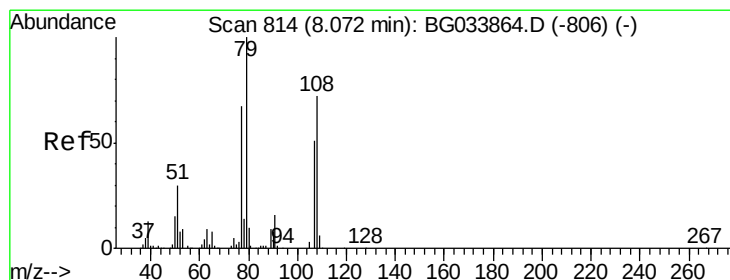
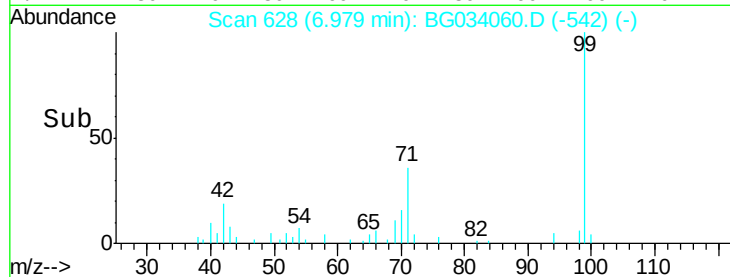
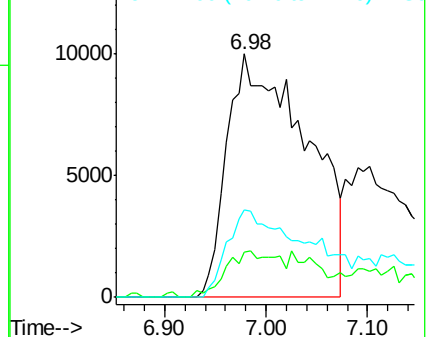
99 100

42 18.8 14.1 21.1

71 35.7 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: 2.63 ng

RT: 8.07 min Scan# 813

Delta R.T. -0.01 min

Lab File: BG034060.D

Acq: 28 Apr 2018 5:48

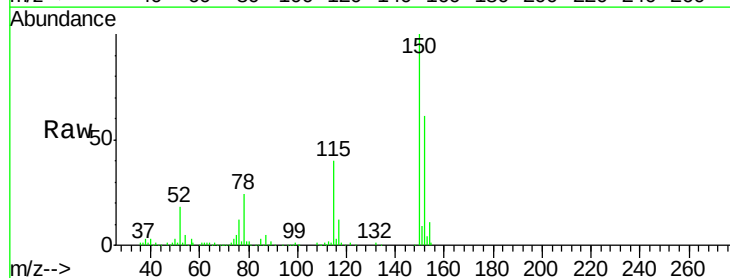
Tgt Ion: 79 Resp: 6693

Ion Ratio Lower Upper

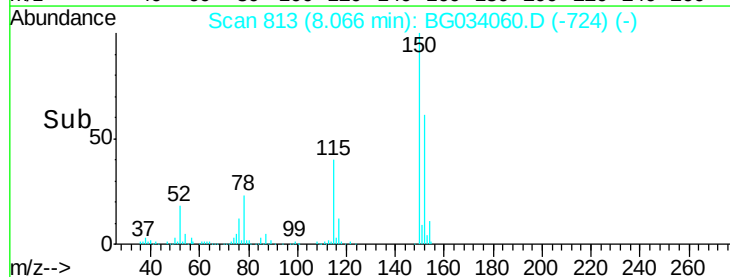
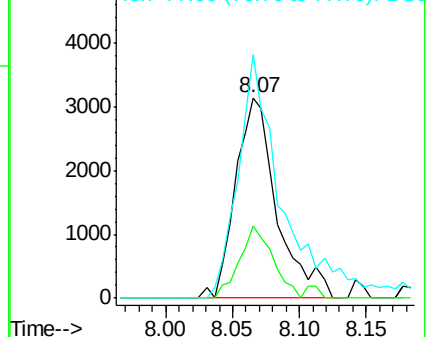
79 100

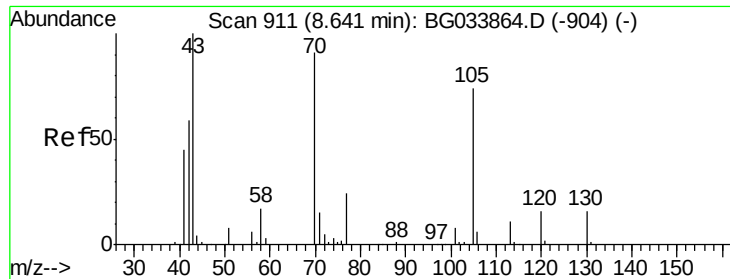
108 35.9 57.2 85.8#

77 121.4 46.1 69.1#



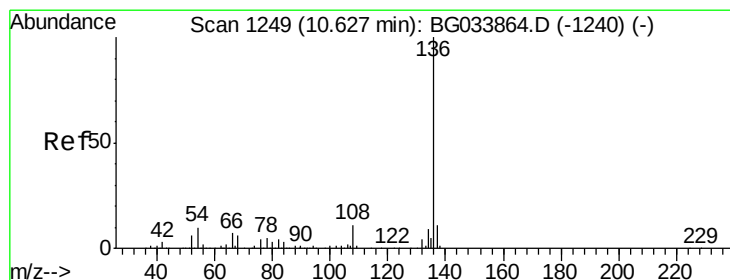
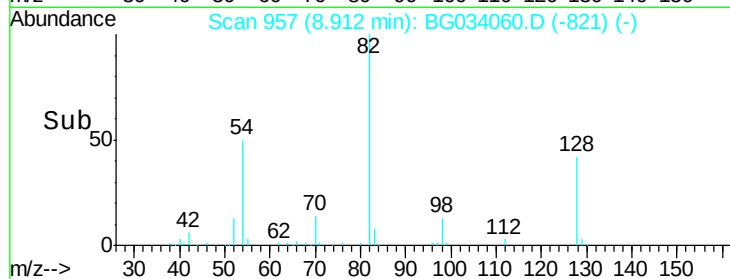
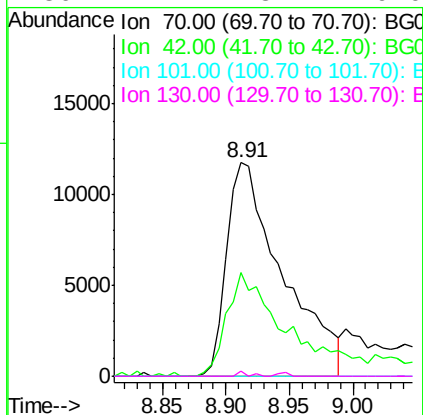
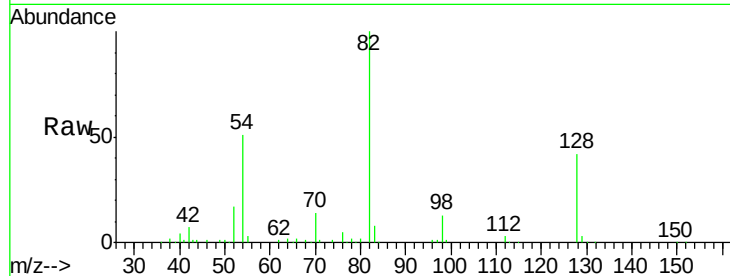
Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





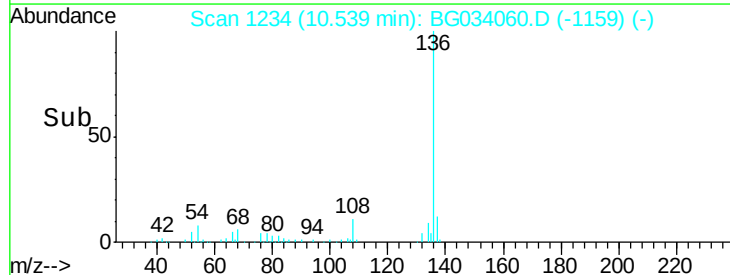
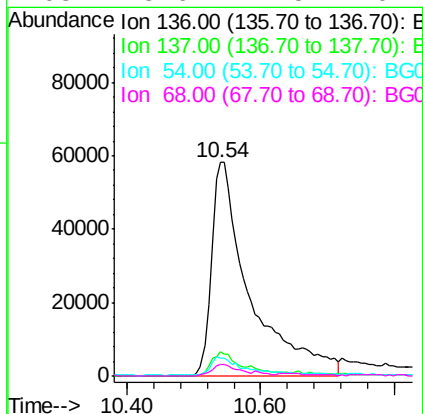
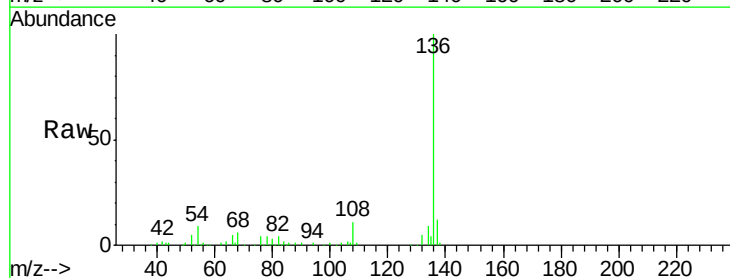
#19
n-Nitroso-di-n-propylamine
Concen: 14.42 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.27 min
Lab File: BG034060.D
Acq: 28 Apr 2018 5:48

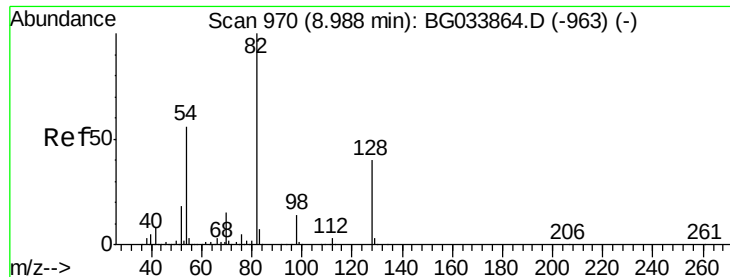
Tot Ion: 70 Resp: 35884
Ion Ratio Lower Upper
70 100
42 48.6 49.1 73.7#
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.54 min Scan# 1234
Delta R.T. -0.09 min
Lab File: BG034060.D
Acq: 28 Apr 2018 5:48

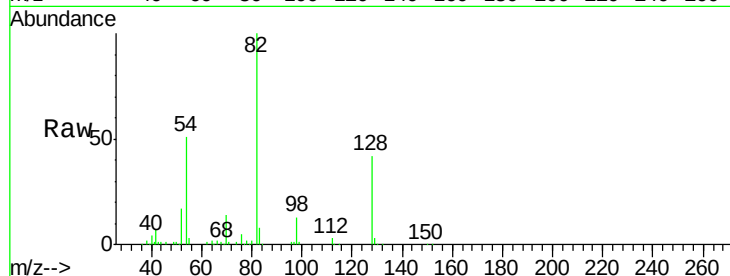
Tgt Ion: 136 Resp: 234581
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 8.6 10.3 15.5#
68 5.6 4.5 6.7



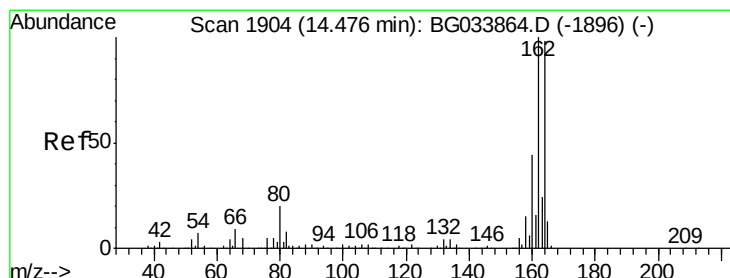
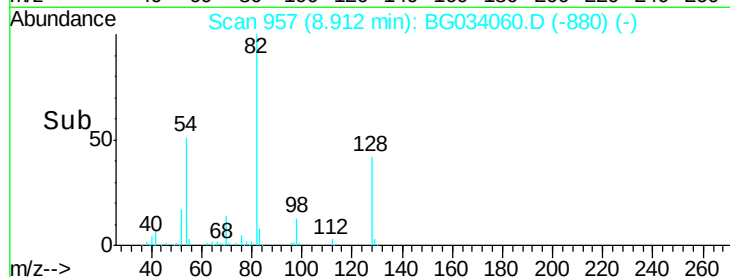
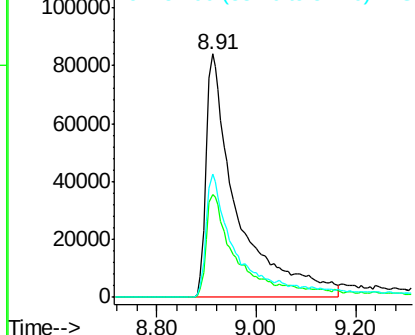


#23
Nitrobenzene-d5
Concen: 89.09 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.08 min
Lab File: BG034060.D
Acq: 28 Apr 2018 5:48

Tot Ion	82	Resp	367227
Ion Ratio	100	Lower	Upper
128	42.3	29.7	44.5
54	50.8	43.1	64.7

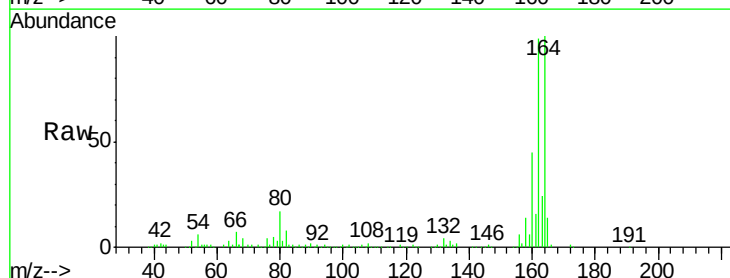


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

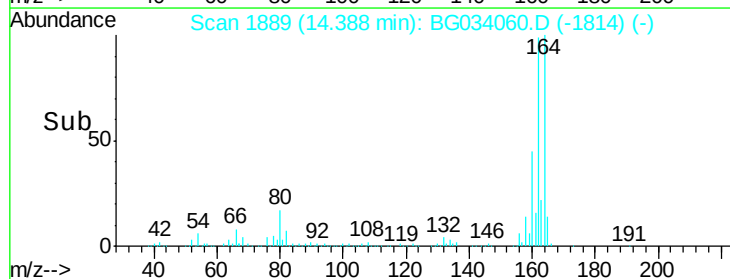
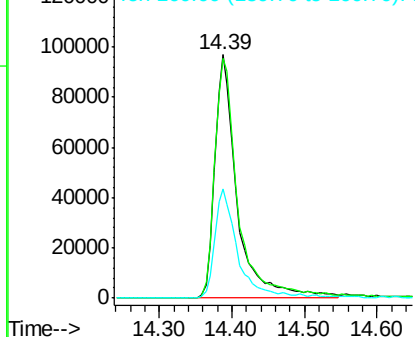


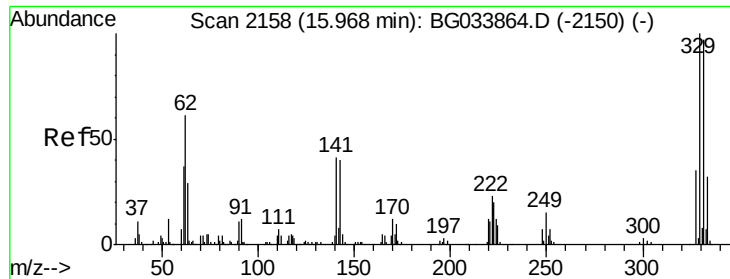
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.39 min Scan# 1889
Delta R.T. -0.09 min
Lab File: BG034060.D
Acq: 28 Apr 2018 5:48

Tgt Ion	164	Resp	207551
Ion Ratio	100	Lower	Upper
162	98.7	78.8	118.2
160	45.1	35.4	53.0



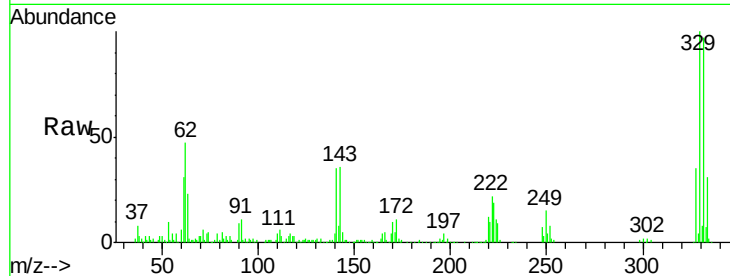
Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC



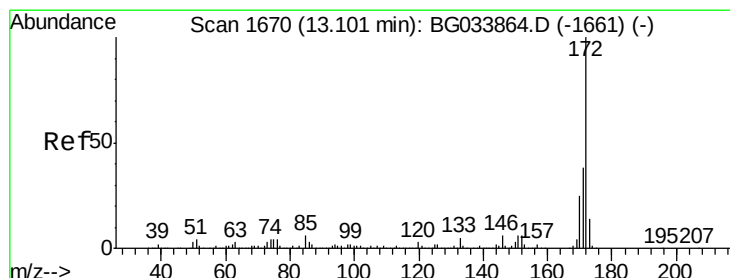
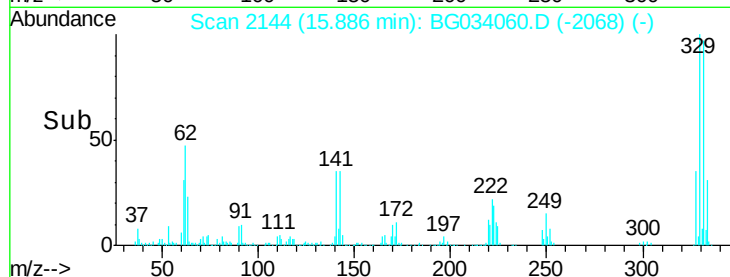
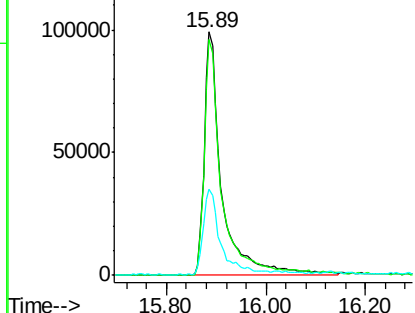


#41
 2,4,6-Tribromophenol
 Concen: 101.58 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. -0.08 min
 Lab File: BG034060.D
 Acq: 28 Apr 2018 5:48

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	33.8	25.2	37.8

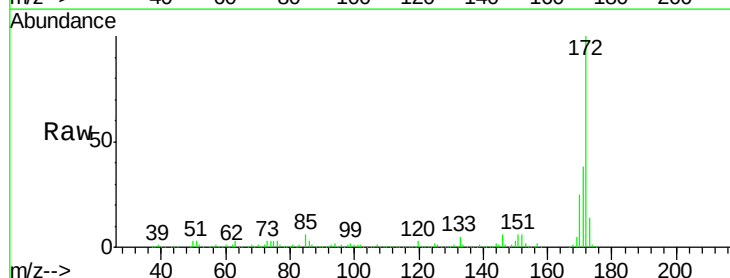


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

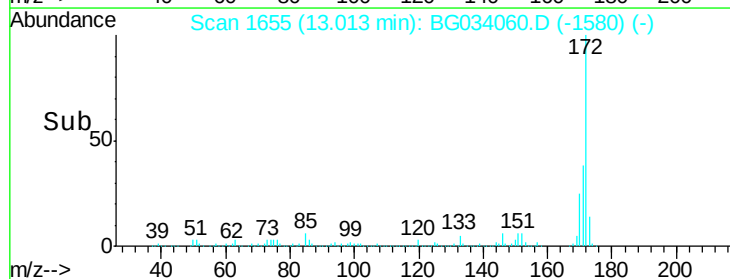
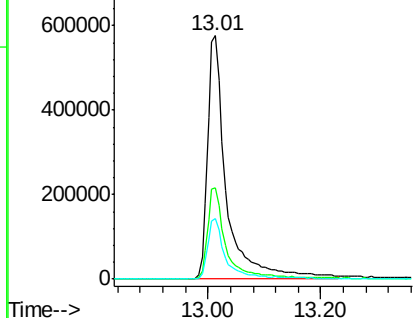


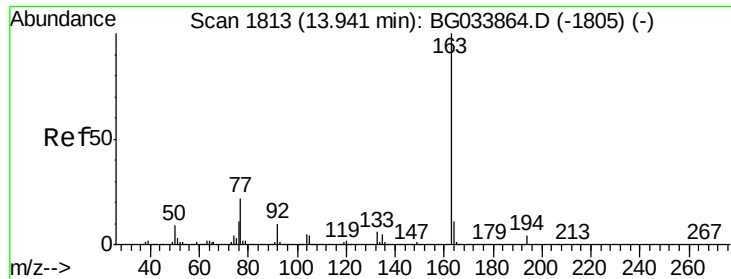
#44
 2-Fluorobiphenyl
 Concen: 95.62 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034060.D
 Acq: 28 Apr 2018 5:48

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



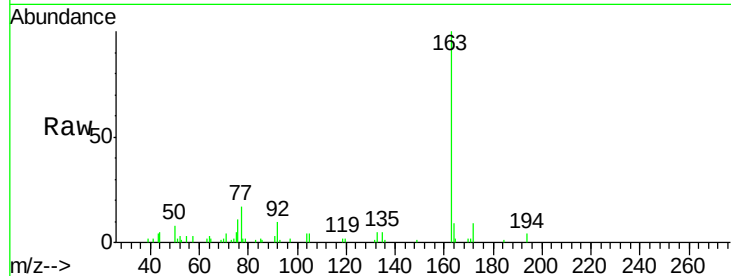
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



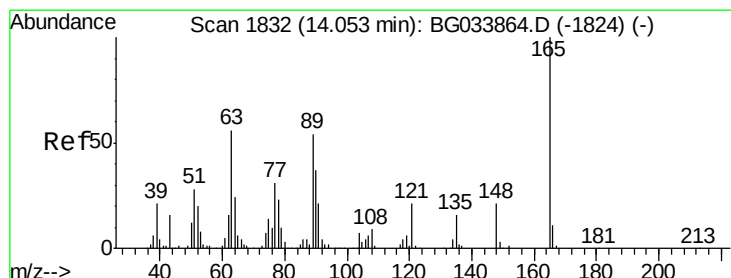
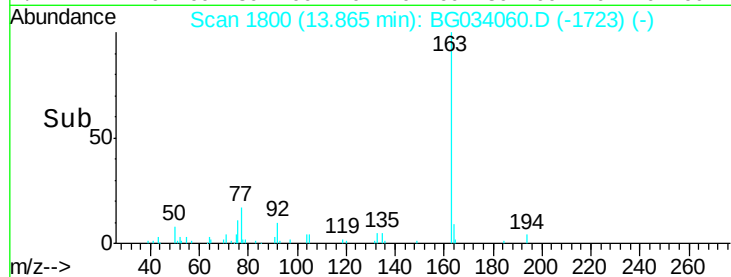
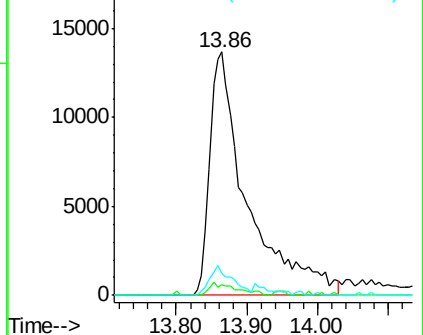


#49
Dimethylphthalate
Concen: 2.75 ng
RT: 13.86 min Scan# 1800
Delta R.T. -0.08 min
Lab File: BG034060.D
Acq: 28 Apr 2018 5:48

Tot Ion:163 Resp: 50298
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 9.1 8.2 12.4

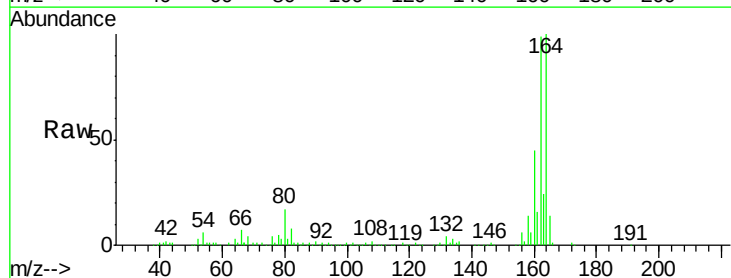


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

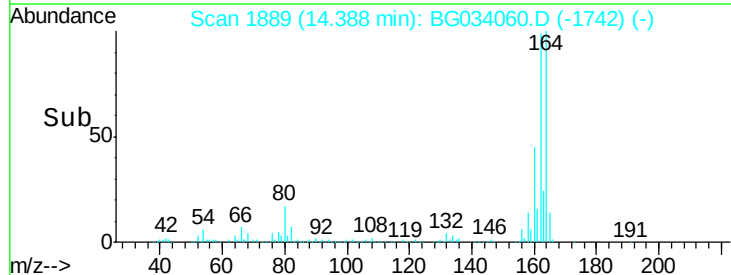
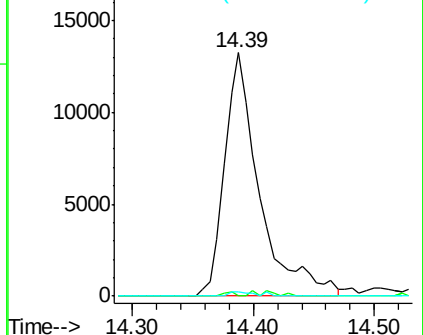


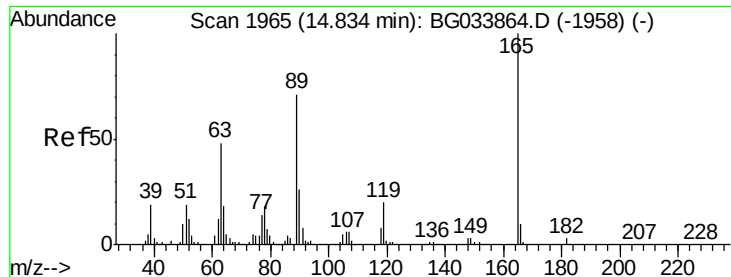
#50
2,6-Dinitrotoluene
Concen: 7.65 ng
RT: 14.39 min Scan# 1889
Delta R.T. 0.33 min
Lab File: BG034060.D
Acq: 28 Apr 2018 5:48

Tgt Ion:165 Resp: 26453
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.7 49.2 73.8#



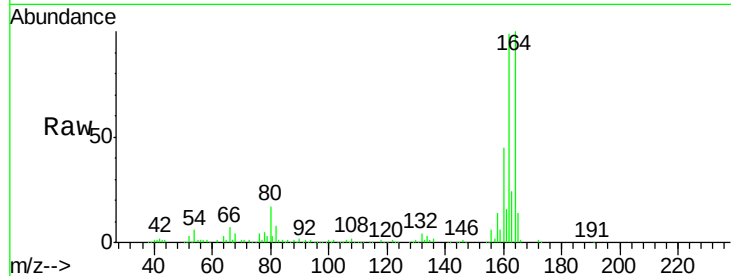
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0





#56
 2,4-Dinitrotoluene
 Concen: 5.82 ng
 RT: 14.39 min Scan# 1889
 Delta R.T. -0.45 min
 Lab File: BG034060.D
 Acq: 28 Apr 2018 5:48

Tot Ion:165	Resp:	26800
Ion Ratio	Lower	Upper
165 100		
63 0.0	42.0	63.0#
89 1.7	66.9	100.3#
182 0.0	2.6	3.8#

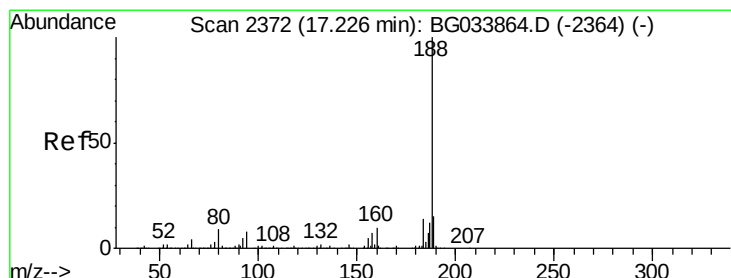
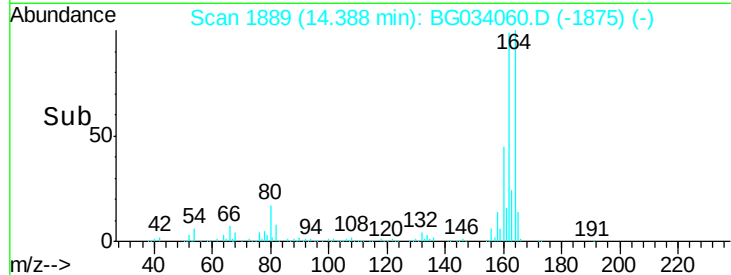
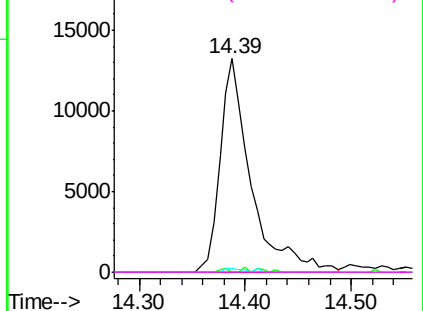


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

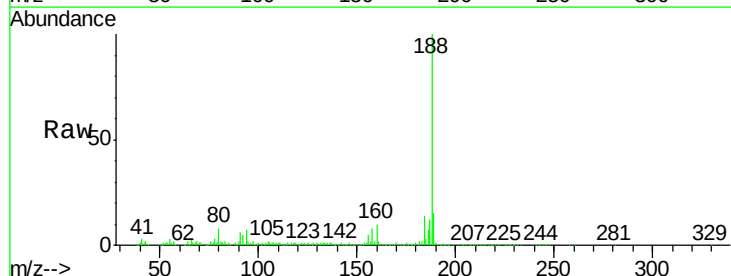
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.14 min Scan# 2358
 Delta R.T. -0.08 min
 Lab File: BG034060.D
 Acq: 28 Apr 2018 5:48

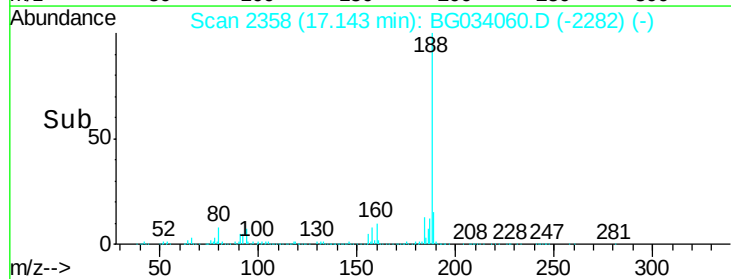
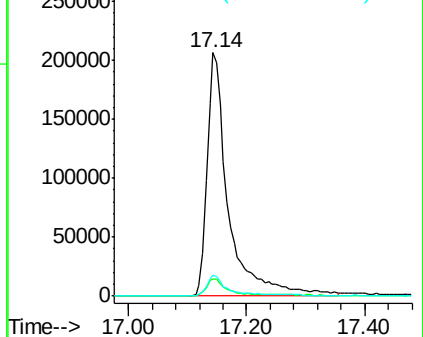
Tgt	Ion:188	Resp:	519453
Ion	Ratio	Lower	Upper
188	100		
94	6.9	6.9	10.3
80	8.5	7.7	11.5

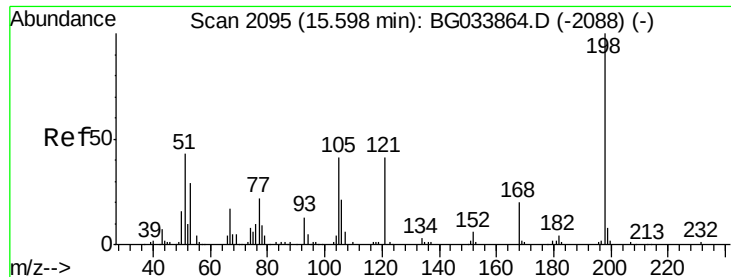


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.51 ng

RT: 15.83 min Scan# 2134

Delta R.T. 0.23 min

Lab File: BG034060.D

Acq: 28 Apr 2018 5:48

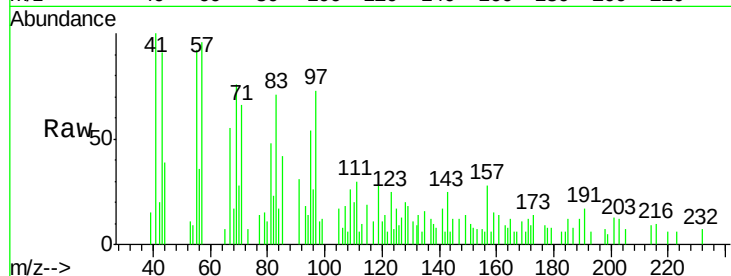
Tot Ion:198 Resp: 68

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

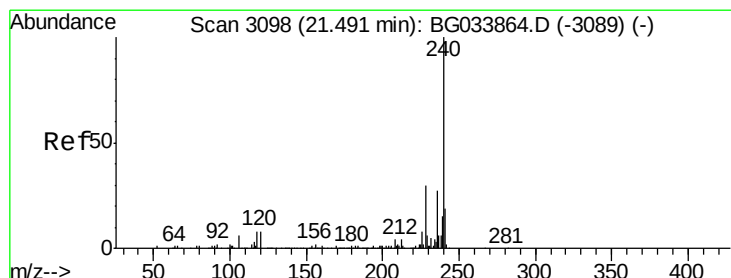
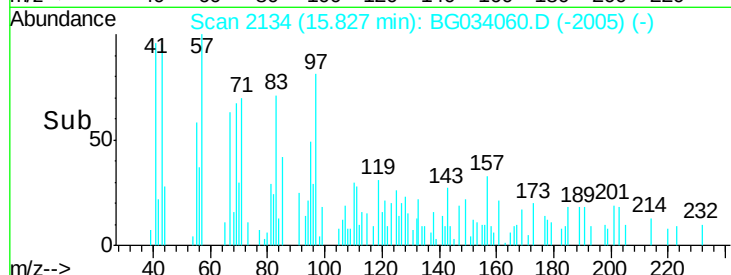
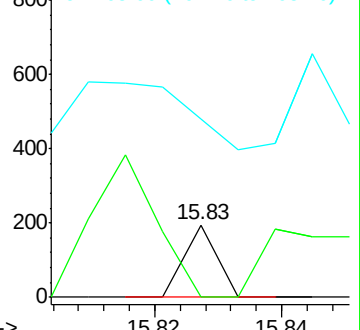
105 247.4 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG033864.D (-2088) (-)

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: BG034060.D

Acq: 28 Apr 2018 5:48

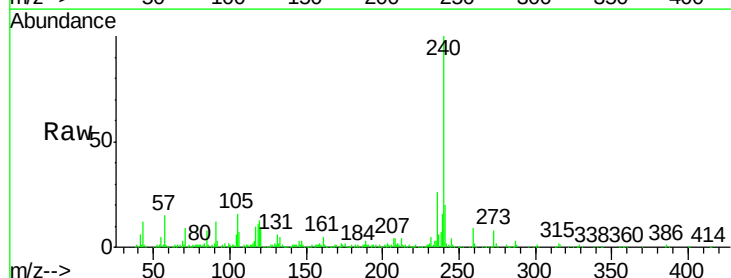
Tgt Ion:240 Resp: 545608

Ion Ratio Lower Upper

240 100

120 8.8 6.8 10.2

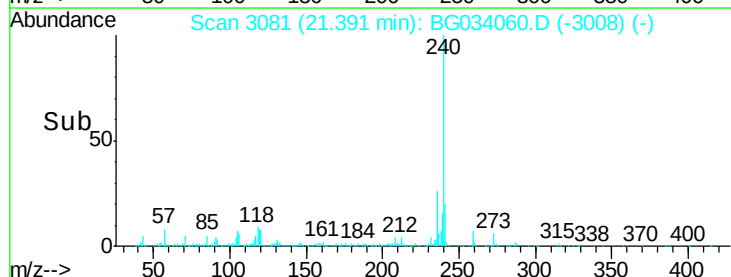
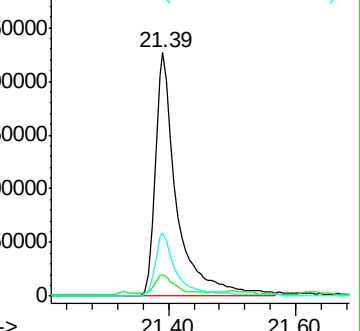
236 25.7 20.9 31.3

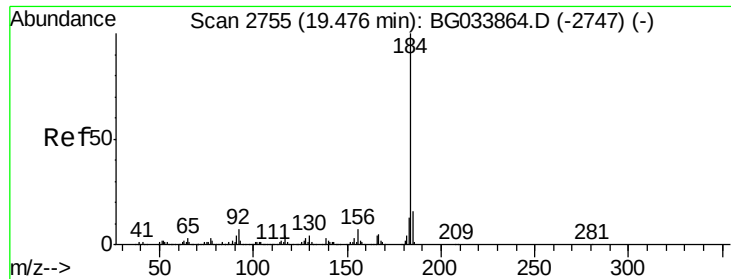


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.34 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.31 min

Lab File: BG034060.D

Acq: 28 Apr 2018 5:48

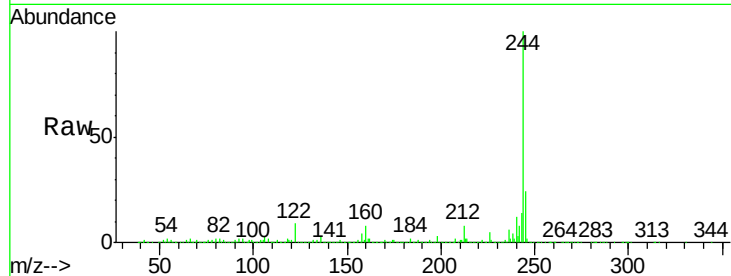
Tot Ion:184 Resp: 34410

Ion Ratio Lower Upper

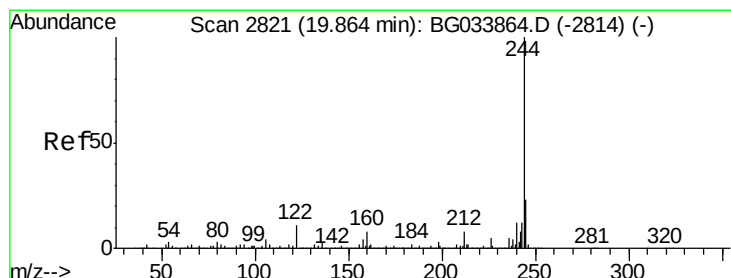
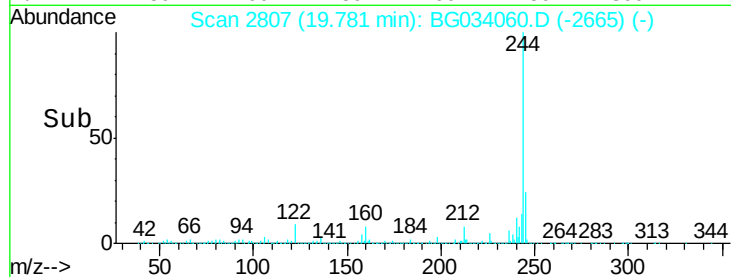
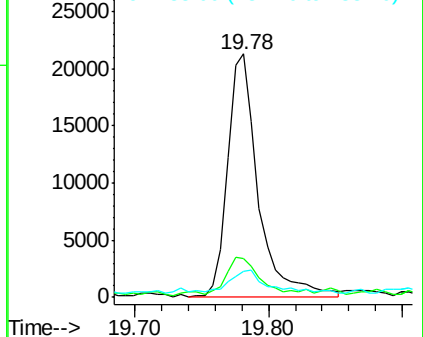
184 100

185 16.0 11.1 16.7

183 10.5 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: 93.30 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034060.D

Acq: 28 Apr 2018 5:48

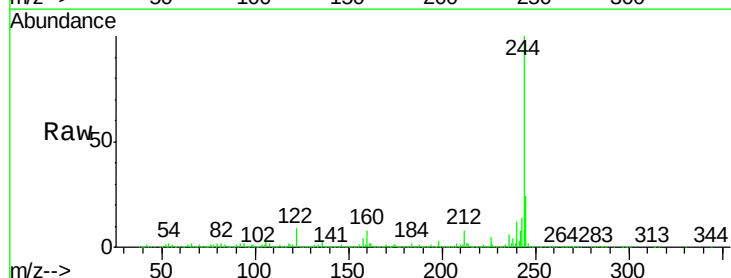
Tgt Ion:244 Resp: 2265976

Ion Ratio Lower Upper

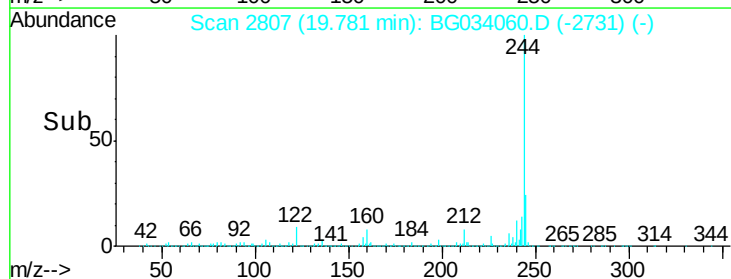
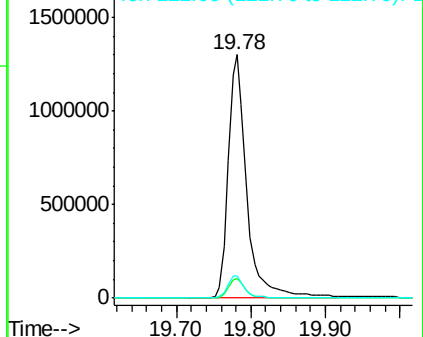
244 100

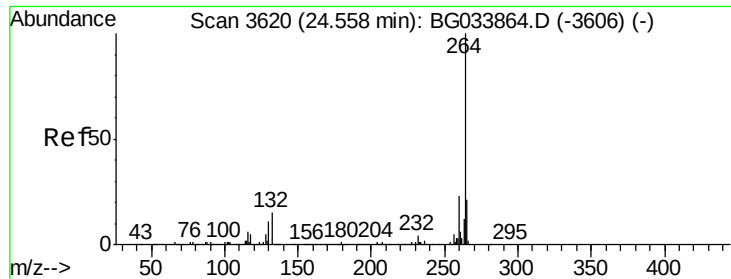
212 8.3 5.8 8.8

122 9.3 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: BG034060.D
Acq: 28 Apr 2018 5:48

Tot Ion:	264	Resp:	559474
Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	21.3	17.7	26.5

