

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG062417\
 Data File : BG027652.D
 Acq On : 24 Jun 2017 10:07
 Operator : SJ/JU
 Sample : I3836-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 KY032MW006-170619

Quant Time: Jun 29 14:39:24 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 21 18:52:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.51	152	28112	20.00	ng	0.00
21) Naphthalene-d8	11.34	136	111312	20.00	ng	0.01
38) Acenaphthene-d10	15.10	164	67818	20.00	ng	0.00
63) Phenanthrene-d10	17.84	188	157545	20.00	ng	0.00
75) Chrysene-d12	22.21	240	176413	20.00	ng	0.00
86) Perylene-d12	25.85	264	164189	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.12	112	84115	42.58	ng	0.03
7) Phenol-d6	7.73	99	102704	35.12	ng	0.08
23) Nitrobenzene-d5	9.70	82	172826	73.47	ng	0.02
41) 2,4,6-Tribromophenol	16.58	330	93548	92.52	ng	0.00
44) 2-Fluorobiphenyl	13.73	172	370383	74.60	ng	0.00
78) Terphenyl-d14	20.42	244	451260	60.27	ng	0.00

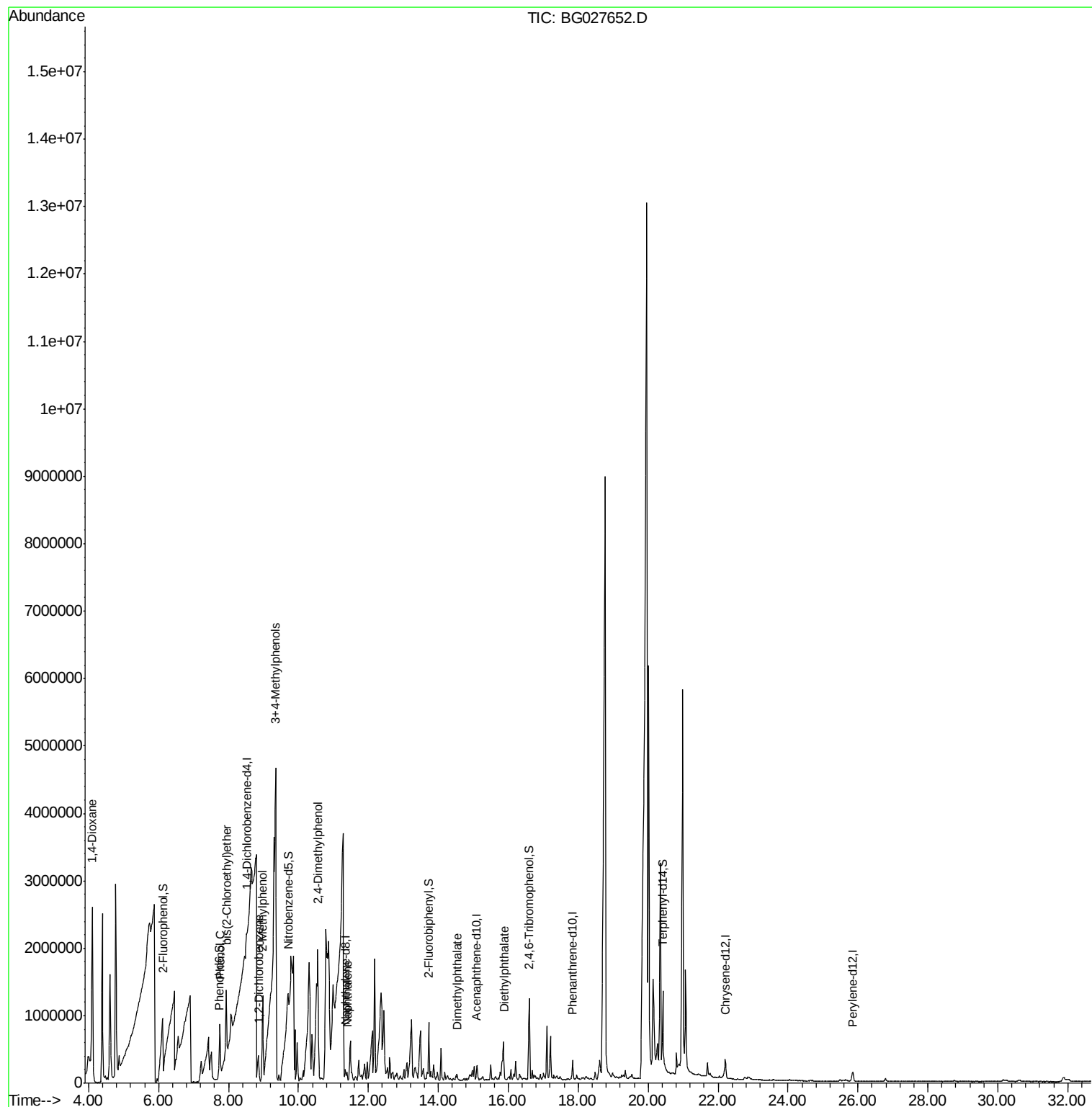
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	4.10	88	1659927	2164.514	ng	# 77
10) Phenol	7.76	94	451953	151.721	ng	92
11) bis(2-Chloroethyl)ether	7.93	93	623397	267.375	ng	85
14) 1,2-Dichlorobenzene	8.87	146	51528	23.542	ng	94
17) 2-Methylphenol	8.98	107	395420	188.643	ng	96
20) 3+4-Methylphenols	9.34	107	3364619	1172.365	ng	96
27) 2,4-Dimethylphenol	10.55	122	929311	515.946	ng	93
31) Naphthalene	11.39	128	24066	4.000	ng	95
49) Dimethylphthalate	14.54	163	52757	8.885	ng	98
59) Diethylphthalate	15.88	149	31826	4.912	ng	98

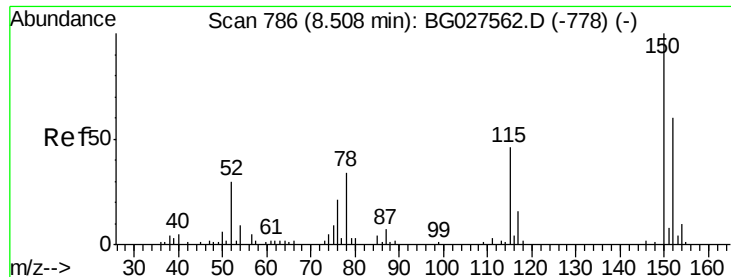
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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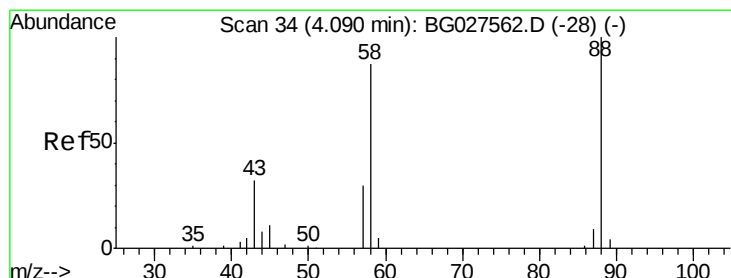
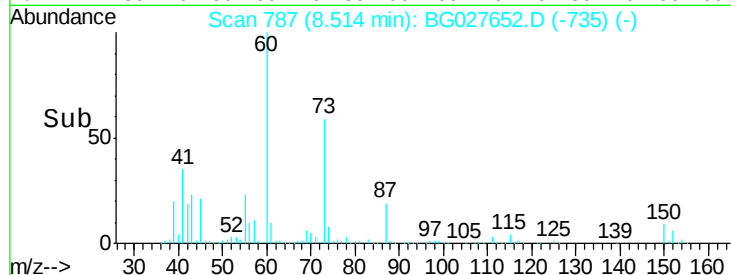
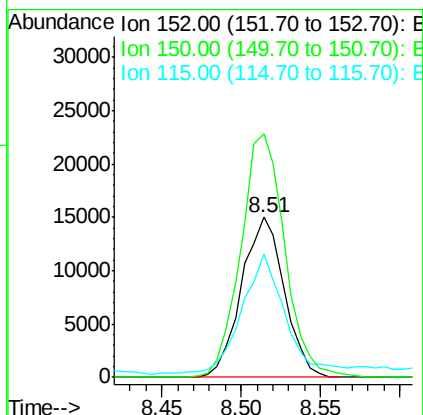
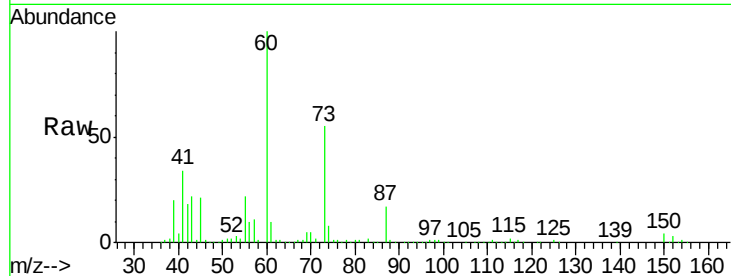


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.51 min Scan# 787
Delta R.T. 0.01 min
Lab File: BG027652.D
Acq: 24 Jun 2017 10:07

Instrument :
BNA_G
ClientSampleId :
KY032MW006-170619

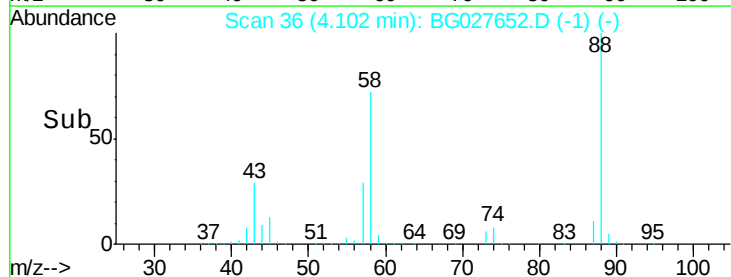
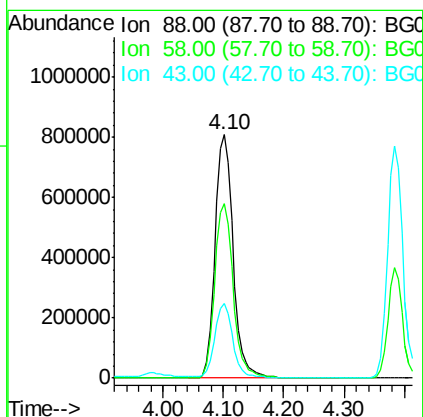
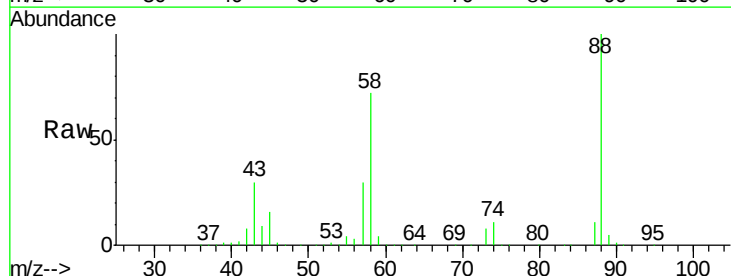
Tgt Ion:152 Resp: 28112
Ion Ratio Lower Upper
152 100
150 151.9 114.0 171.0
115 77.1 48.1 72.1#

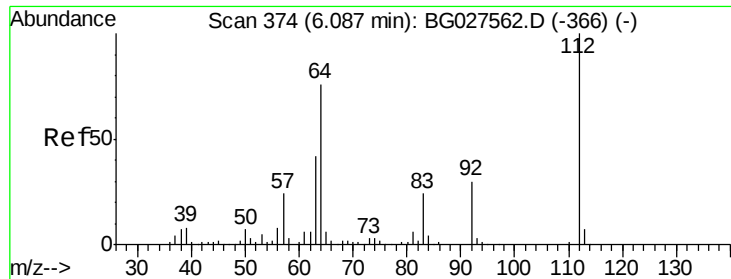


#2

1,4-Dioxane
Concen: 2164.514 ng
RT: 4.10 min Scan# 36
Delta R.T. 0.01 min
Lab File: BG027652.D
Acq: 24 Jun 2017 10:07

Tgt Ion: 88 Resp: 1659927
Ion Ratio Lower Upper
88 100
58 73.9 79.4 119.2#
43 30.8 33.8 50.6#





#5

2-Fluorophenol

Concen: 42.585 ng

RT: 6.12 min Scan# 379

Delta R.T. 0.03 min

Lab File: BG027652.D

Acq: 24 Jun 2017 10:07

Instrument :

BNA_G

ClientSampleId :

KY032MW006-170619

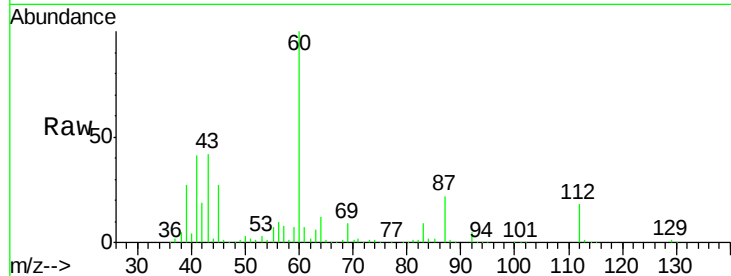
Tgt Ion: 112 Resp: 84115

Ion Ratio Lower Upper

112 100

64 67.4 61.8 92.6

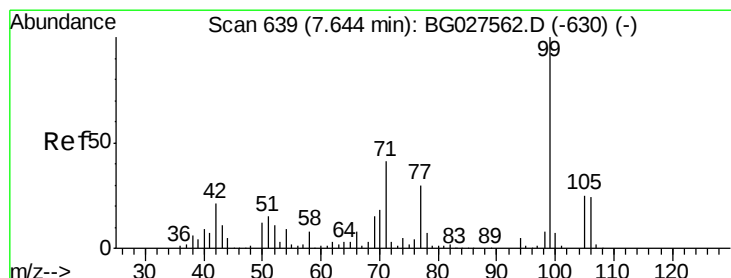
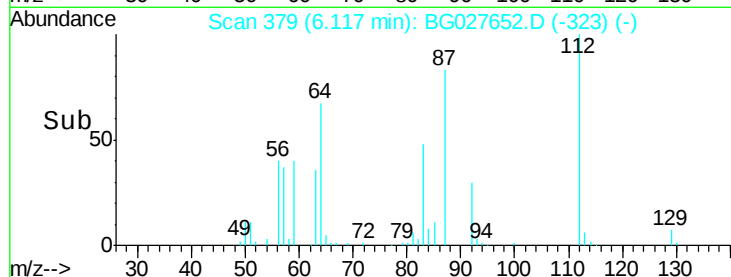
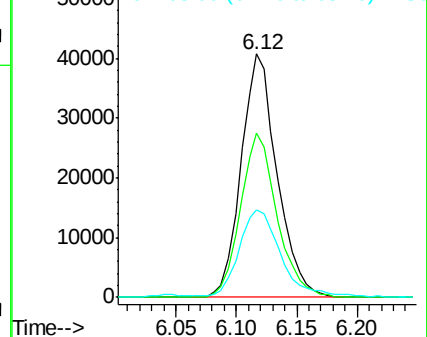
63 36.1 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 35.123 ng

RT: 7.73 min Scan# 653

Delta R.T. 0.08 min

Lab File: BG027652.D

Acq: 24 Jun 2017 10:07

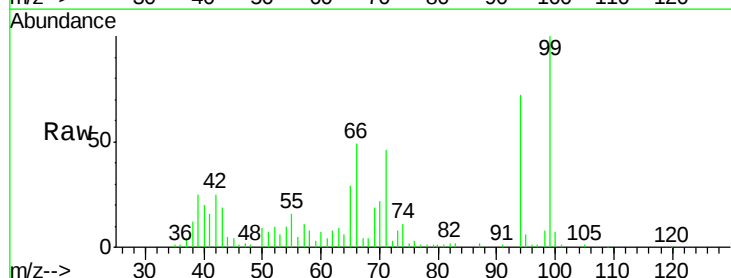
Tgt Ion: 99 Resp: 102704

Ion Ratio Lower Upper

99 100

42 24.8 20.5 30.7

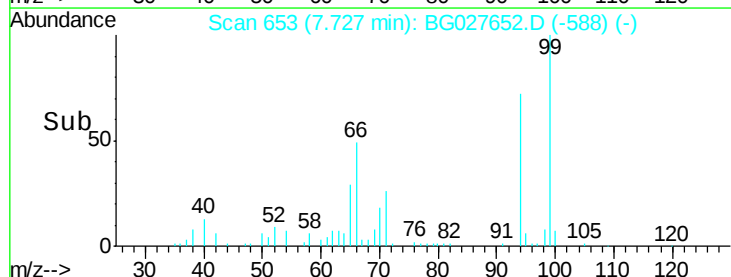
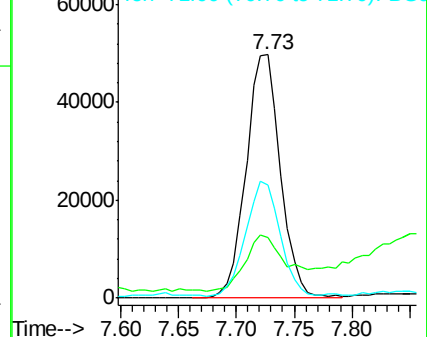
71 46.2 37.6 56.4

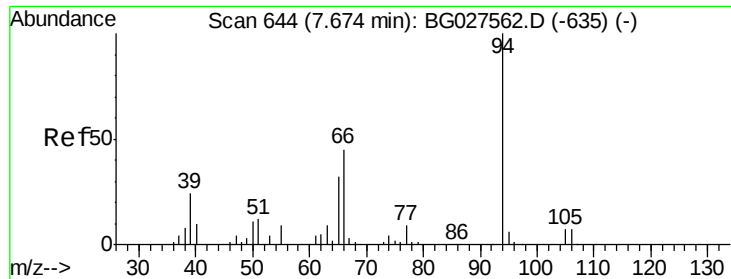


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 151.721 ng

RT: 7.76 min Scan# 658

Delta R.T. 0.08 min

Lab File: BG027652.D

Acq: 24 Jun 2017 10:07

Instrument :

BNA_G

ClientSampleId :

KY032MW006-170619

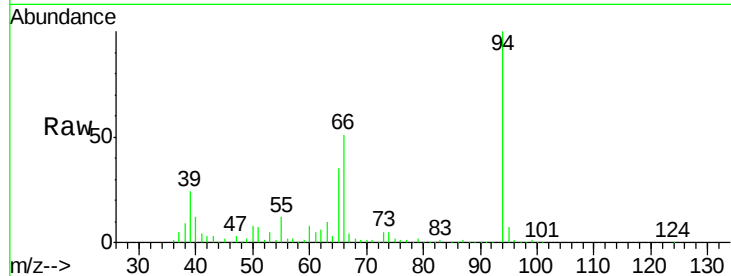
Tgt Ion: 94 Resp: 451953

Ion Ratio Lower Upper

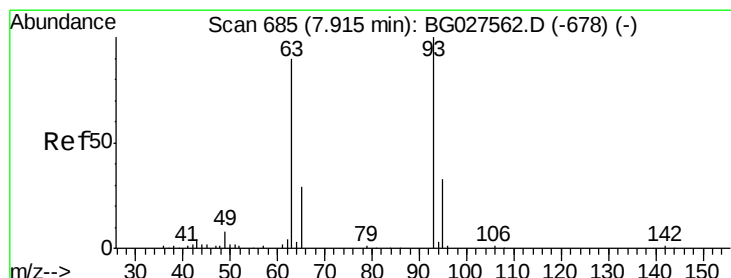
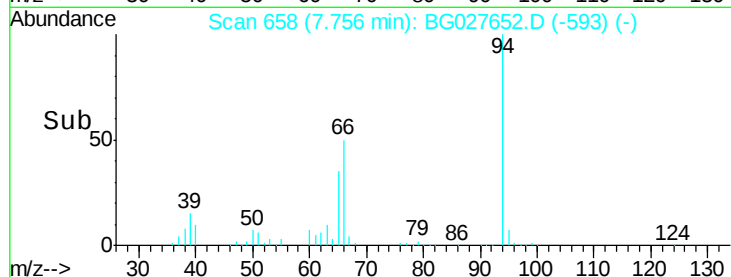
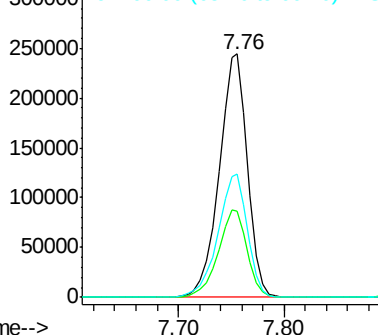
94 100

65 35.1 20.6 60.6

66 50.5 35.5 75.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 267.375 ng

RT: 7.93 min Scan# 688

Delta R.T. 0.02 min

Lab File: BG027652.D

Acq: 24 Jun 2017 10:07

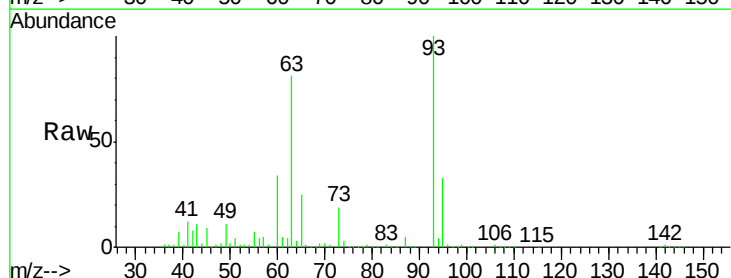
Tgt Ion: 93 Resp: 623397

Ion Ratio Lower Upper

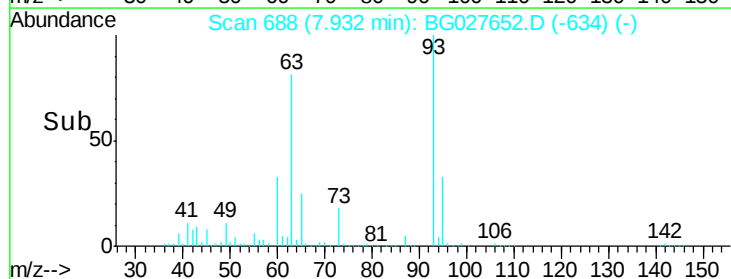
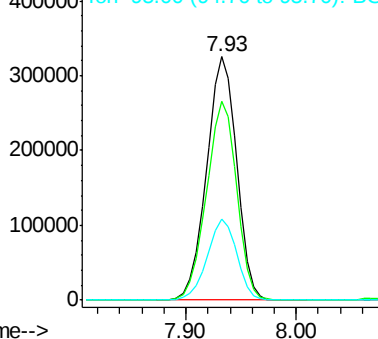
93 100

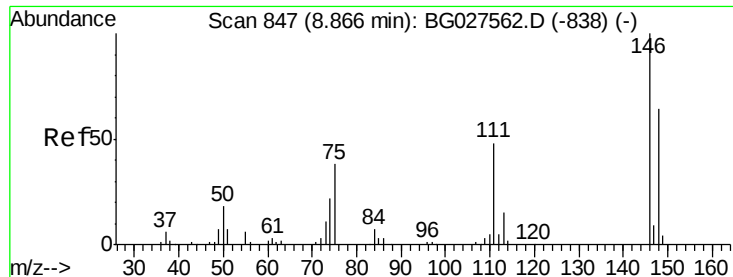
63 81.4 78.5 118.5

95 33.3 9.8 49.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

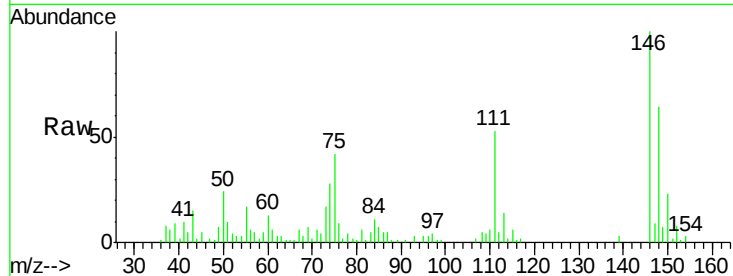




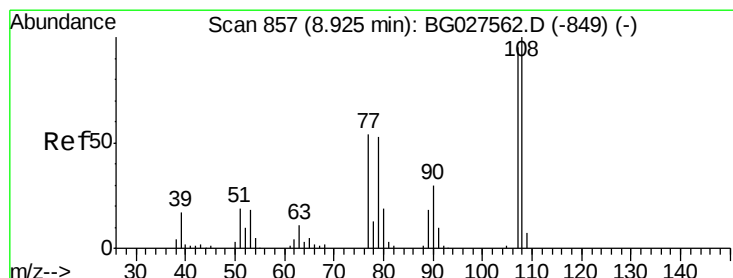
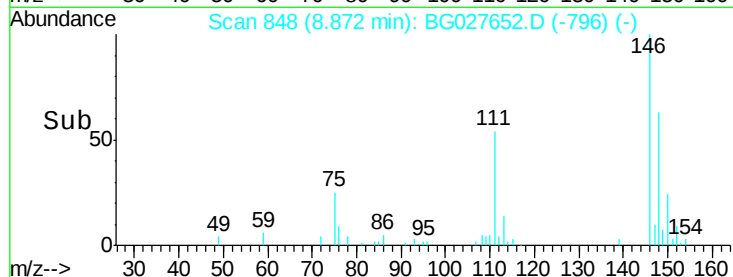
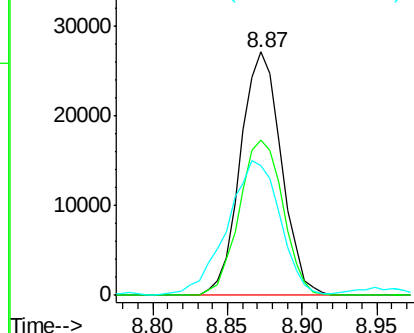
#14
1,2-Dichlorobenzene
Concen: 23.542 ng
RT: 8.87 min Scan# 848
Delta R.T. 0.01 min
Lab File: BG027652.D
Acq: 24 Jun 2017 10:07

Instrument :
BNA_G
ClientSampleId :
KY032MW006-170619

Tgt Ion:146 Resp: 51528
Ion Ratio Lower Upper
146 100
148 63.6 54.6 81.8
111 53.4 39.7 59.5

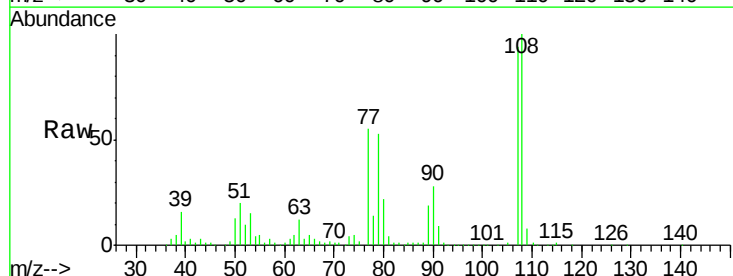


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

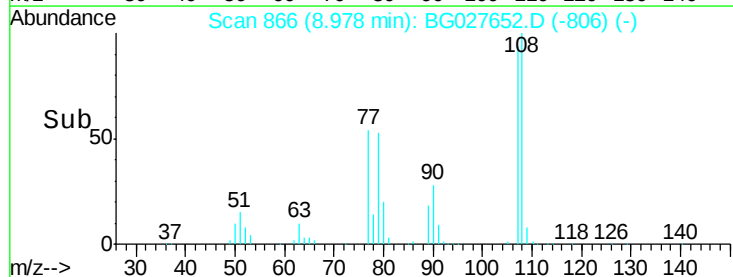
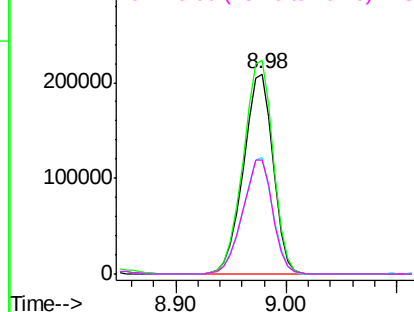


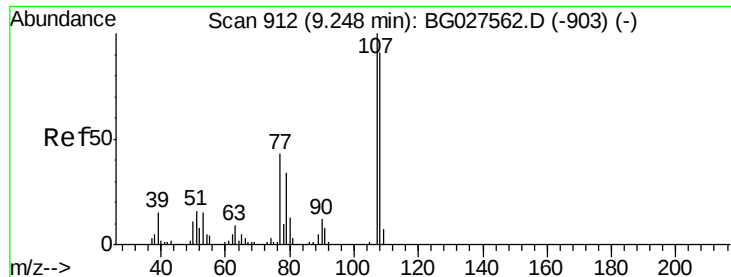
#17
2-Methylphenol
Concen: 188.643 ng
RT: 8.98 min Scan# 866
Delta R.T. 0.05 min
Lab File: BG027652.D
Acq: 24 Jun 2017 10:07

Tgt Ion:107 Resp: 395420
Ion Ratio Lower Upper
107 100
108 106.8 85.6 128.4
77 58.2 51.4 77.2
79 57.0 49.2 73.8



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

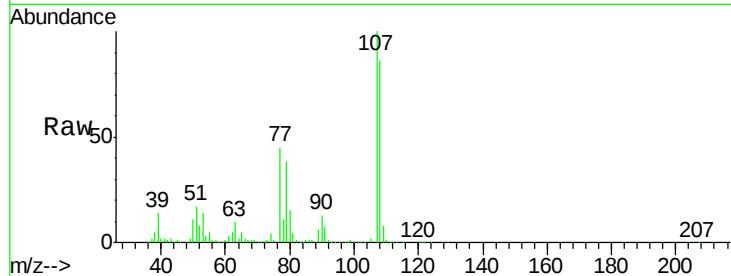




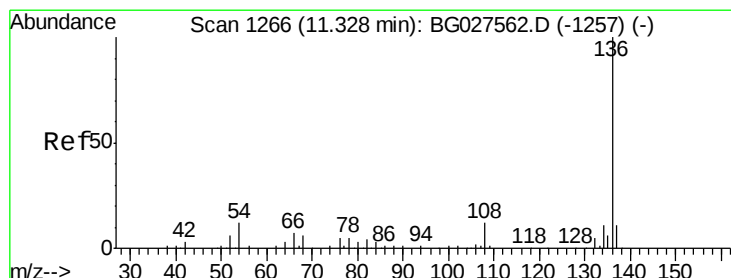
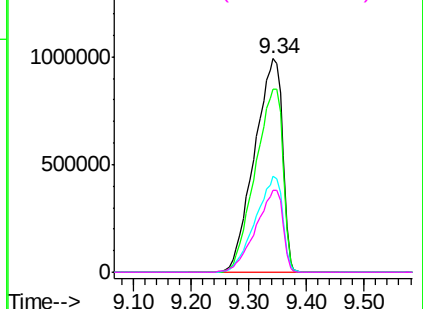
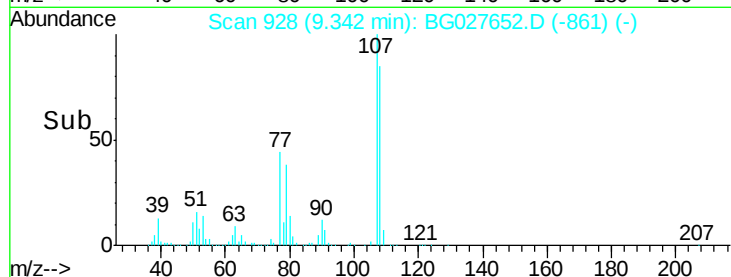
#20
3+4-Methylphenols
Concen: 1172.365 ng
RT: 9.34 min Scan# 928
Delta R.T. 0.09 min
Lab File: BG027652.D
Acq: 24 Jun 2017 10:07

Instrument :
BNA_G
ClientSampleId :
KY032MW006-170619

Tgt Ion:107 Resp: 3364619
Ion Ratio Lower Upper
107 100
108 86.0 70.8 110.8
77 44.8 25.8 65.8
79 38.4 20.1 60.1

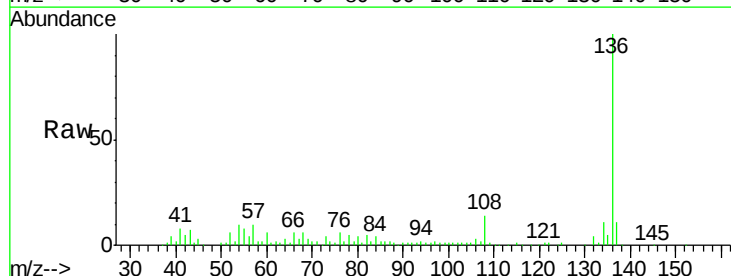


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

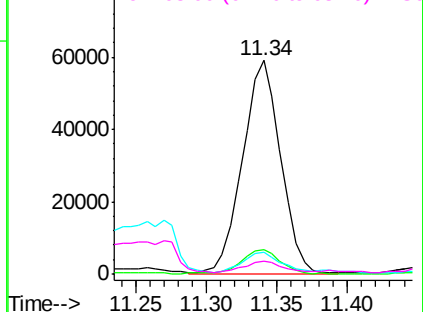
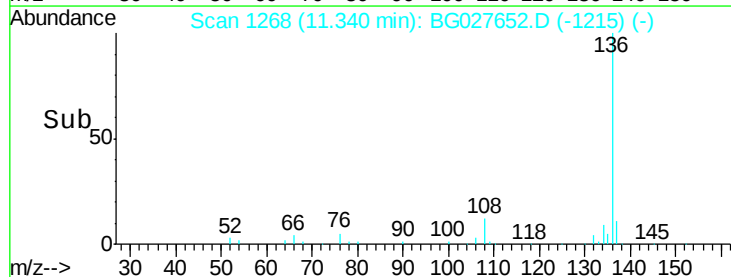


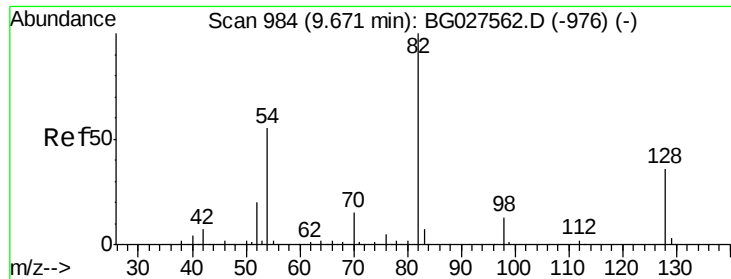
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.34 min Scan# 1268
Delta R.T. 0.01 min
Lab File: BG027652.D
Acq: 24 Jun 2017 10:07

Tgt Ion:136 Resp: 111312
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 10.4 9.3 13.9
68 6.1 5.1 7.7



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

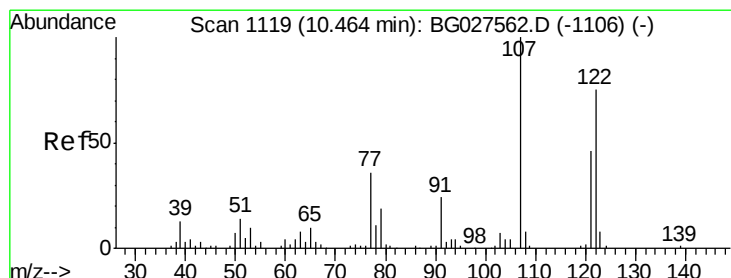
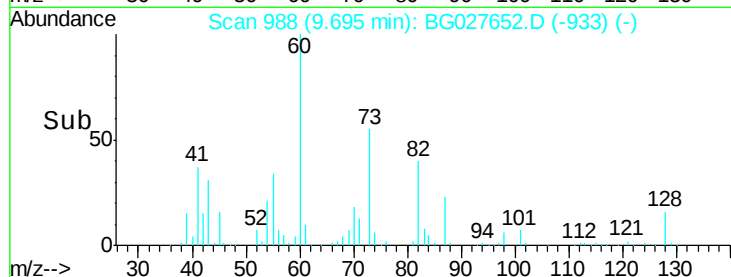
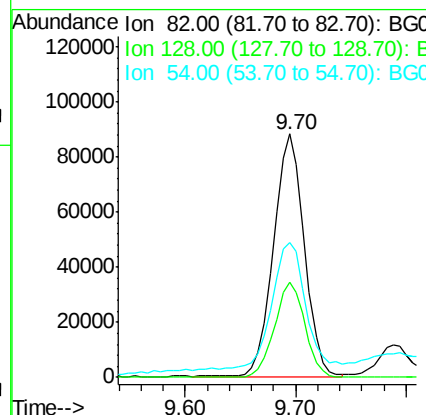
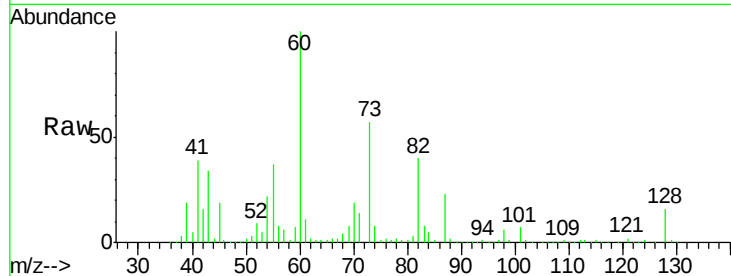




#23
 Nitrobenzene-d5
 Concen: 73.468 ng
 RT: 9.70 min Scan# 988
 Delta R.T. 0.02 min
 Lab File: BG027652.D
 Acq: 24 Jun 2017 10:07

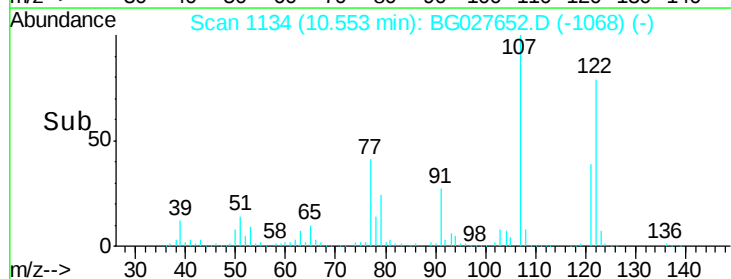
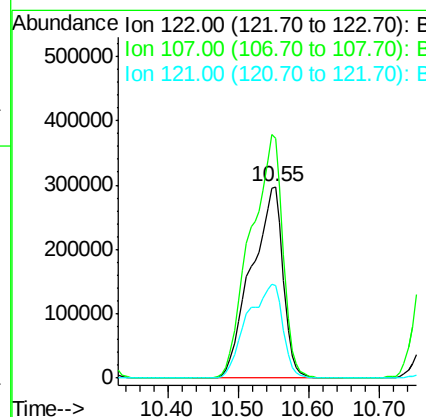
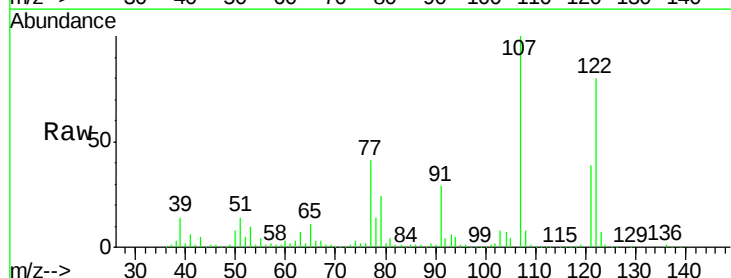
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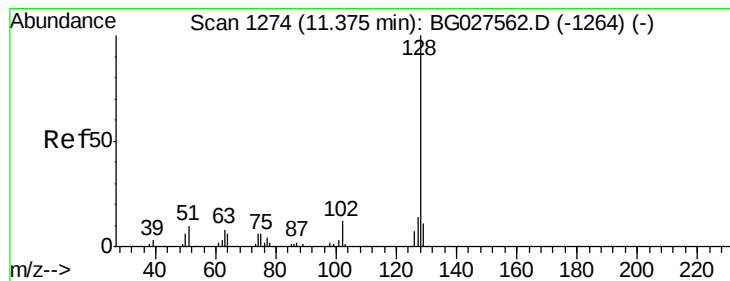
Tgt Ion: 82 Resp: 172826
 Ion Ratio Lower Upper
 82 100
 128 38.9 26.4 39.6
 54 55.3 49.4 74.2



#27
 2,4-Dimethylphenol
 Concen: 515.946 ng
 RT: 10.55 min Scan# 1134
 Delta R.T. 0.09 min
 Lab File: BG027652.D
 Acq: 24 Jun 2017 10:07

Tgt Ion: 122 Resp: 929311
 Ion Ratio Lower Upper
 122 100
 107 125.3 104.2 156.4
 121 48.7 46.0 69.0

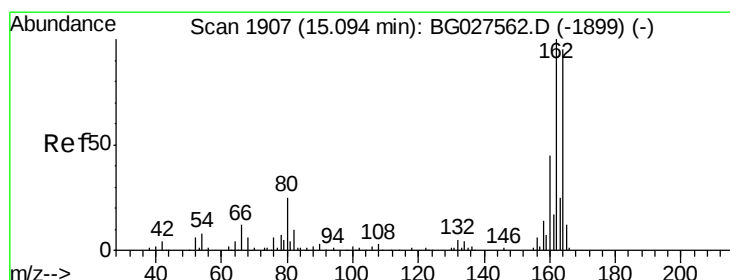
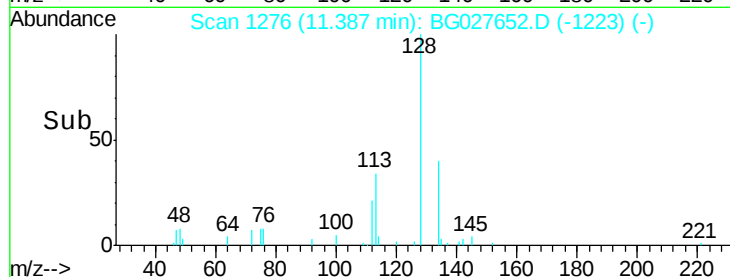
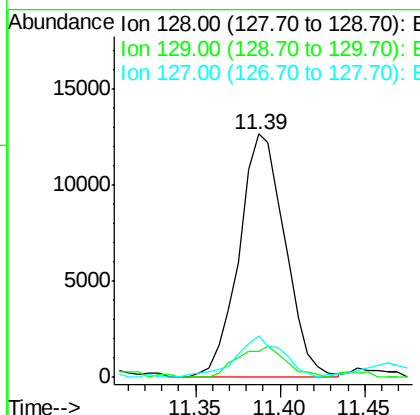
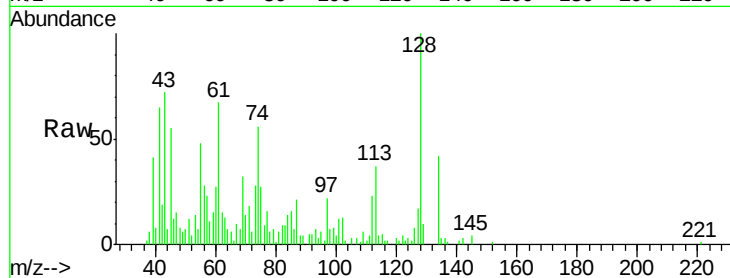




#31
Naphthalene
Concen: 4.000 ng
RT: 11.39 min Scan# 1276
Delta R.T. 0.01 min
Lab File: BG027652.D
Acq: 24 Jun 2017 10:07

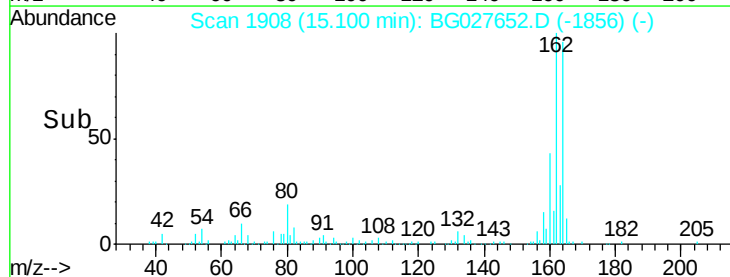
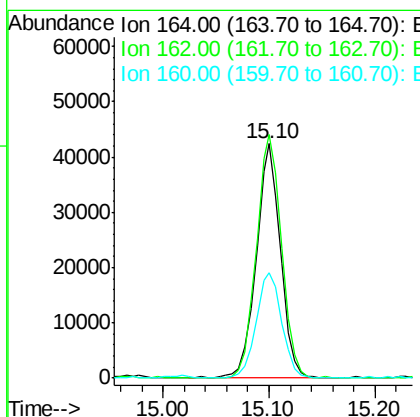
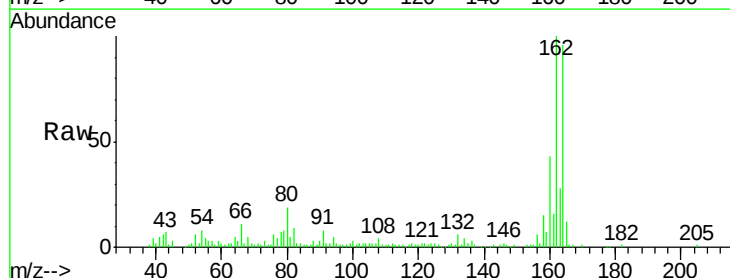
Instrument :
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ClientSampleId :
KY032MW006-170619

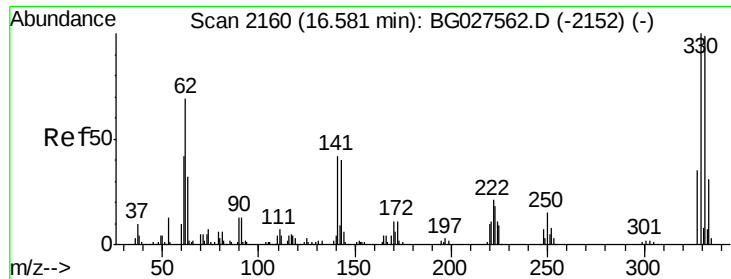
Tgt Ion:128 Resp: 24066
Ion Ratio Lower Upper
128 100
129 10.5 9.3 13.9
127 16.9 11.4 17.0



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.10 min Scan# 1908
Delta R.T. 0.01 min
Lab File: BG027652.D
Acq: 24 Jun 2017 10:07

Tgt Ion:164 Resp: 67818
Ion Ratio Lower Upper
164 100
162 103.9 85.1 127.7
160 45.1 34.7 52.1

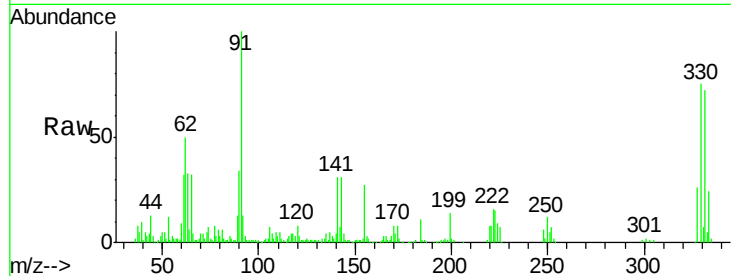




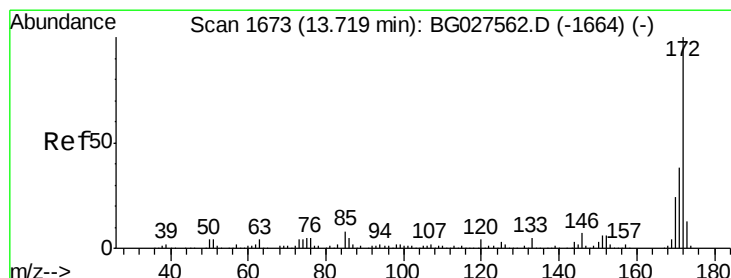
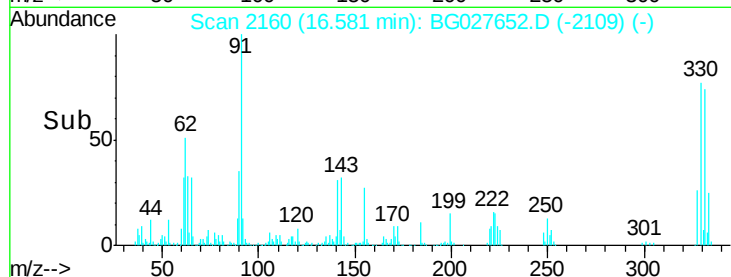
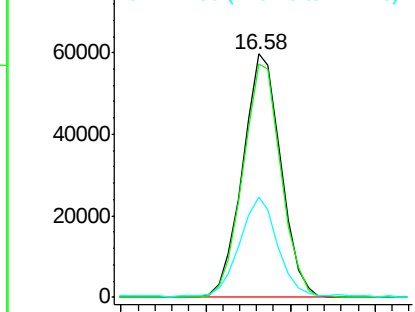
#41
 2,4,6-Tribromophenol
 Concen: 92.525 ng
 RT: 16.58 min Scan# 2160
 Delta R.T. 0.00 min
 Lab File: BG027652.D
 Acq: 24 Jun 2017 10:07

Instrument :
 BNA_G
 ClientSampleId :
 KY032MW006-170619

Tgt Ion:330 Resp: 93548
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.3 115.9
 141 42.8 32.1 48.1

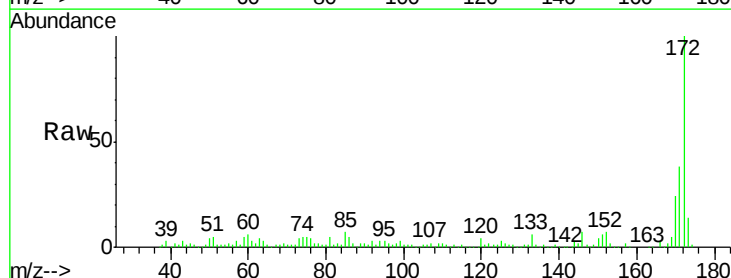


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

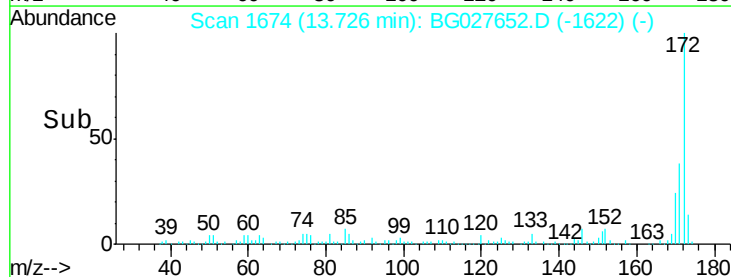
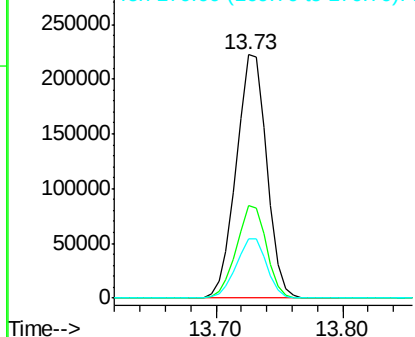


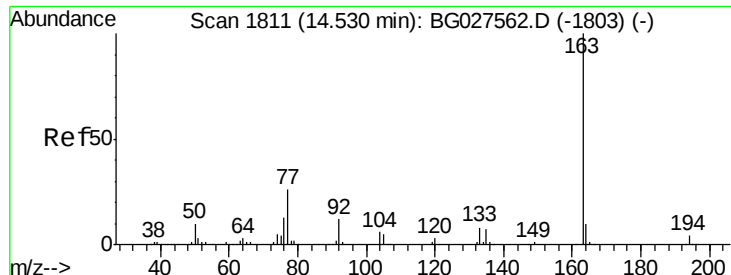
#44
 2-Fluorobiphenyl
 Concen: 74.603 ng
 RT: 13.73 min Scan# 1674
 Delta R.T. 0.01 min
 Lab File: BG027652.D
 Acq: 24 Jun 2017 10:07

Tgt Ion:172 Resp: 370383
 Ion Ratio Lower Upper
 172 100
 171 38.0 32.2 48.2
 170 24.4 21.8 32.6



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: 8.885 ng

RT: 14.54 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BG027652.D

Acq: 24 Jun 2017 10:07

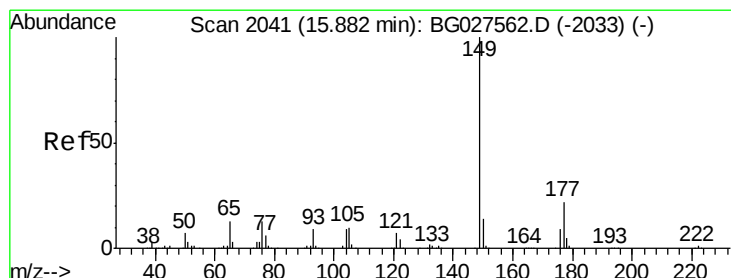
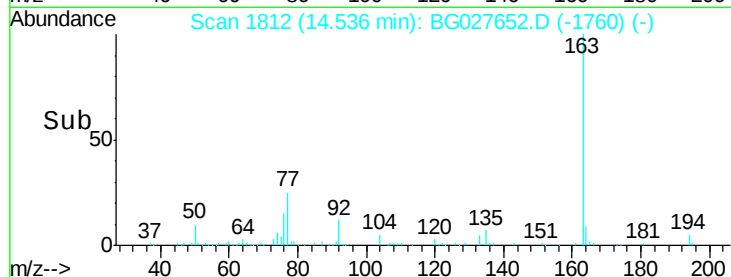
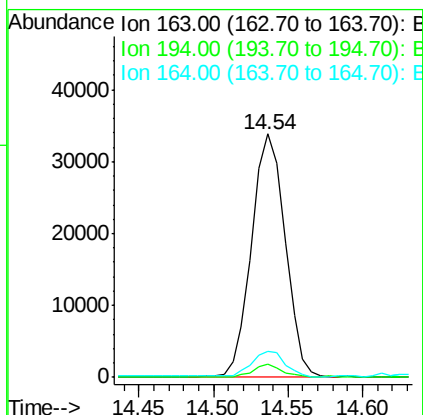
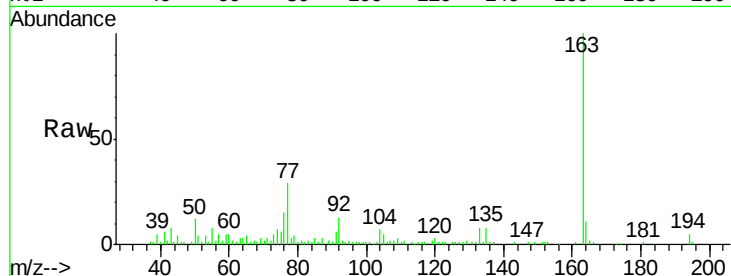
Instrument :

BNA_G

ClientSampleId :

KY032MW006-170619

Tgt Ion:163	Resp:	52757
Ion Ratio	Lower	Upper
163	100	
194	5.4	3.8 5.6
164	10.6	9.3 13.9



#59

Diethylphthalate

Concen: 4.912 ng

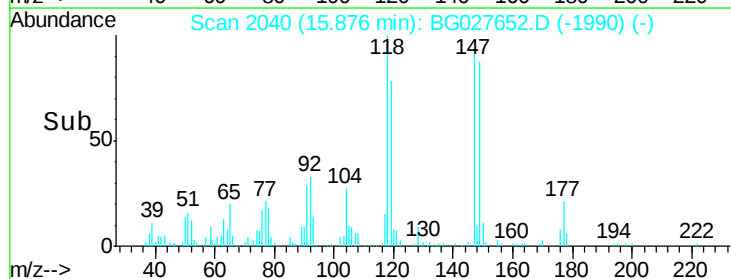
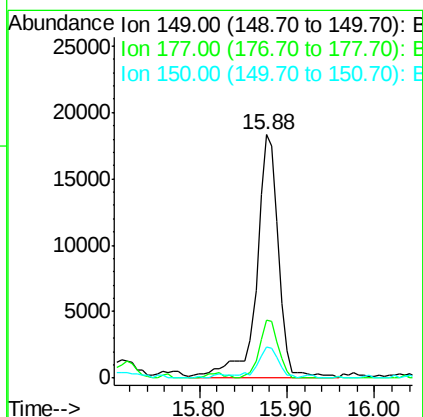
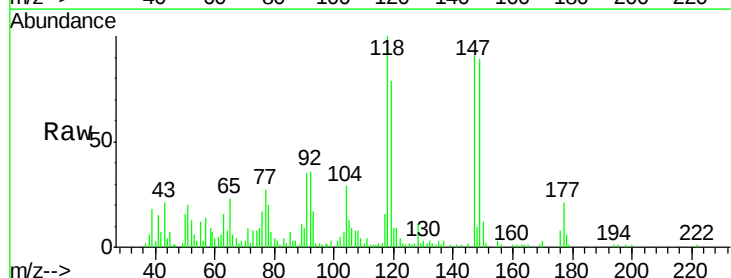
RT: 15.88 min Scan# 2040

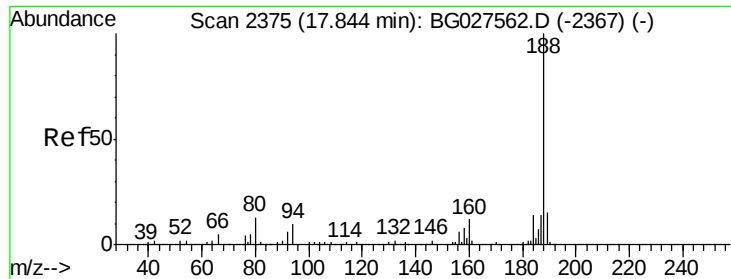
Delta R.T. -0.01 min

Lab File: BG027652.D

Acq: 24 Jun 2017 10:07

Tgt Ion:149	Resp:	31826
Ion Ratio	Lower	Upper
149	100	
177	24.0	20.1 30.1
150	12.9	10.2 15.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.84 min Scan# 2374

Delta R.T. -0.01 min

Lab File: BG027652.D

Acq: 24 Jun 2017 10:07

Instrument :

BNA_G

ClientSampleId :

KY032MW006-170619

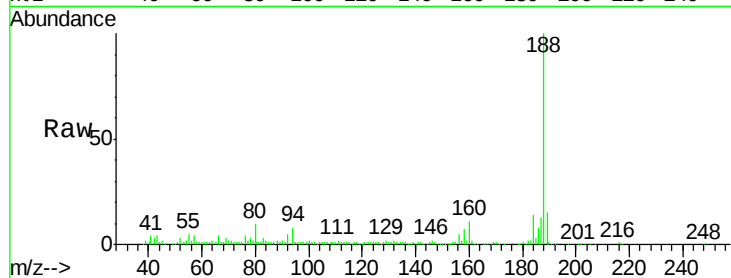
Tgt Ion:188 Resp: 157545

Ion Ratio Lower Upper

188 100

94 7.8 5.8 8.8

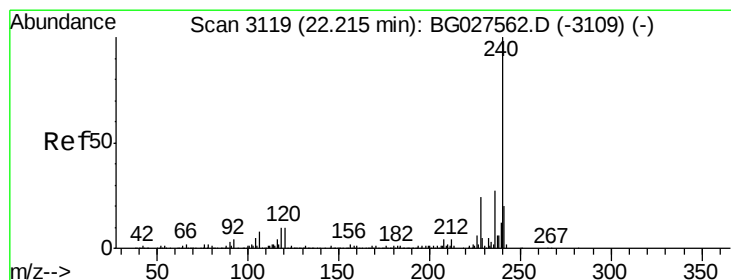
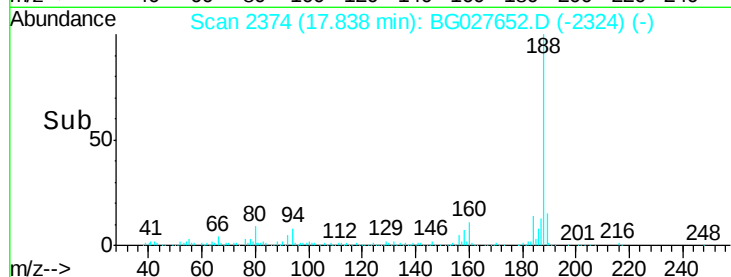
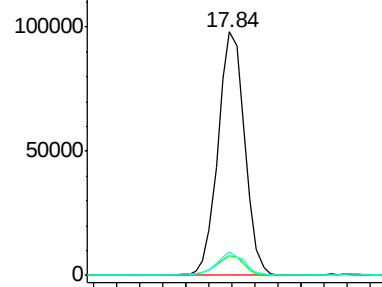
80 10.9 7.5 11.3



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.21 min Scan# 3118

Delta R.T. -0.01 min

Lab File: BG027652.D

Acq: 24 Jun 2017 10:07

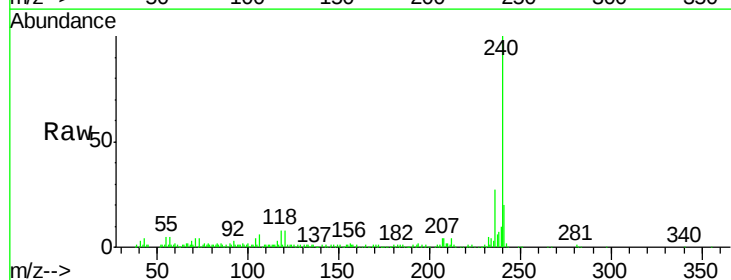
Tgt Ion:240 Resp: 176413

Ion Ratio Lower Upper

240 100

120 7.8 5.7 8.5

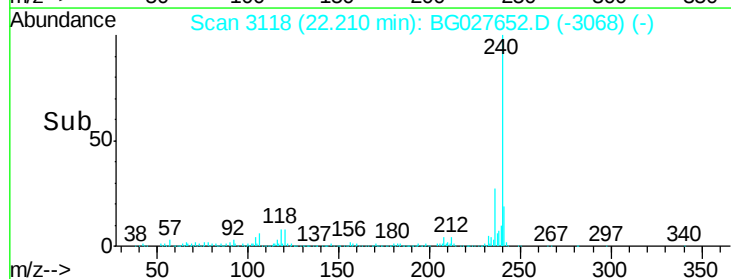
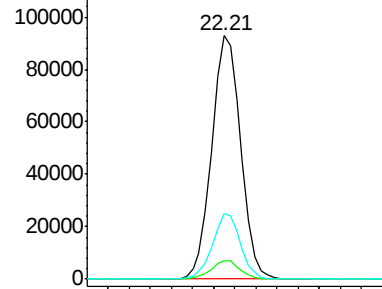
236 27.1 22.2 33.4

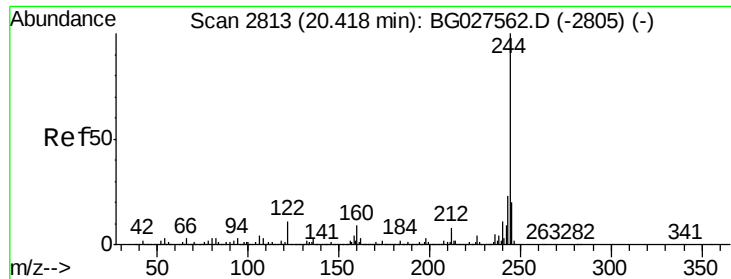


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 60.268 ng

RT: 20.42 min Scan# 2813

Delta R.T. 0.00 min

Lab File: BG027652.D

Acq: 24 Jun 2017 10:07

Instrument :

BNA_G

ClientSampleId :

KY032MW006-170619

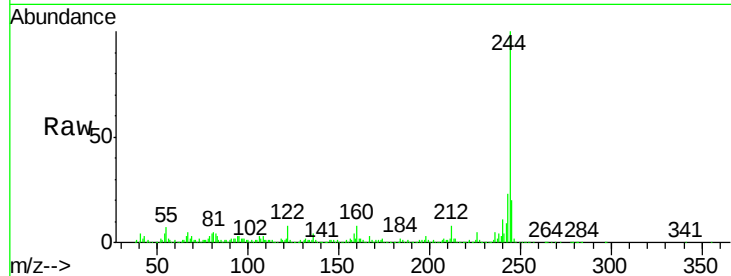
Tgt Ion:244 Resp: 451260

Ion Ratio Lower Upper

244 100

212 7.6 10.0 15.0#

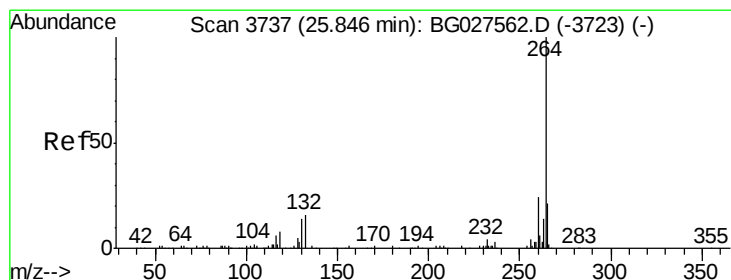
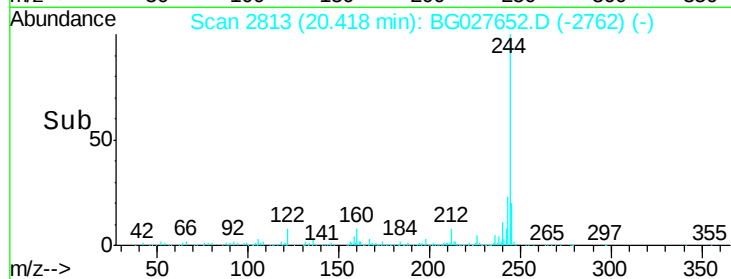
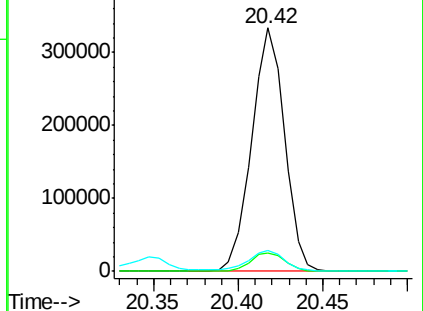
122 8.4 8.6 12.8#



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: 20.000 ng

RT: 25.85 min Scan# 3738

Delta R.T. 0.01 min

Lab File: BG027652.D

Acq: 24 Jun 2017 10:07

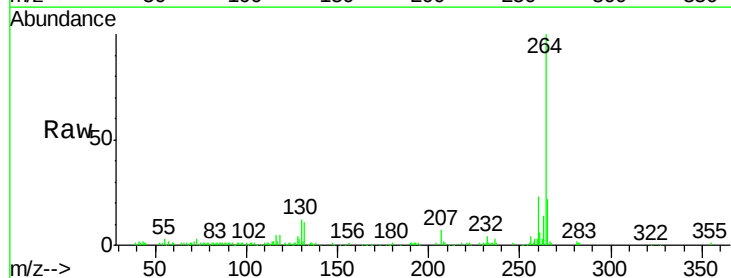
Tgt Ion:264 Resp: 164189

Ion Ratio Lower Upper

264 100

260 22.8 21.8 32.8

265 21.5 18.2 27.4



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

