

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062417\
 Data File : BG027653.D
 Acq On : 24 Jun 2017 10:52
 Operator : SJ/JU
 Sample : I3836-01DL 50X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 26 04:16:27 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

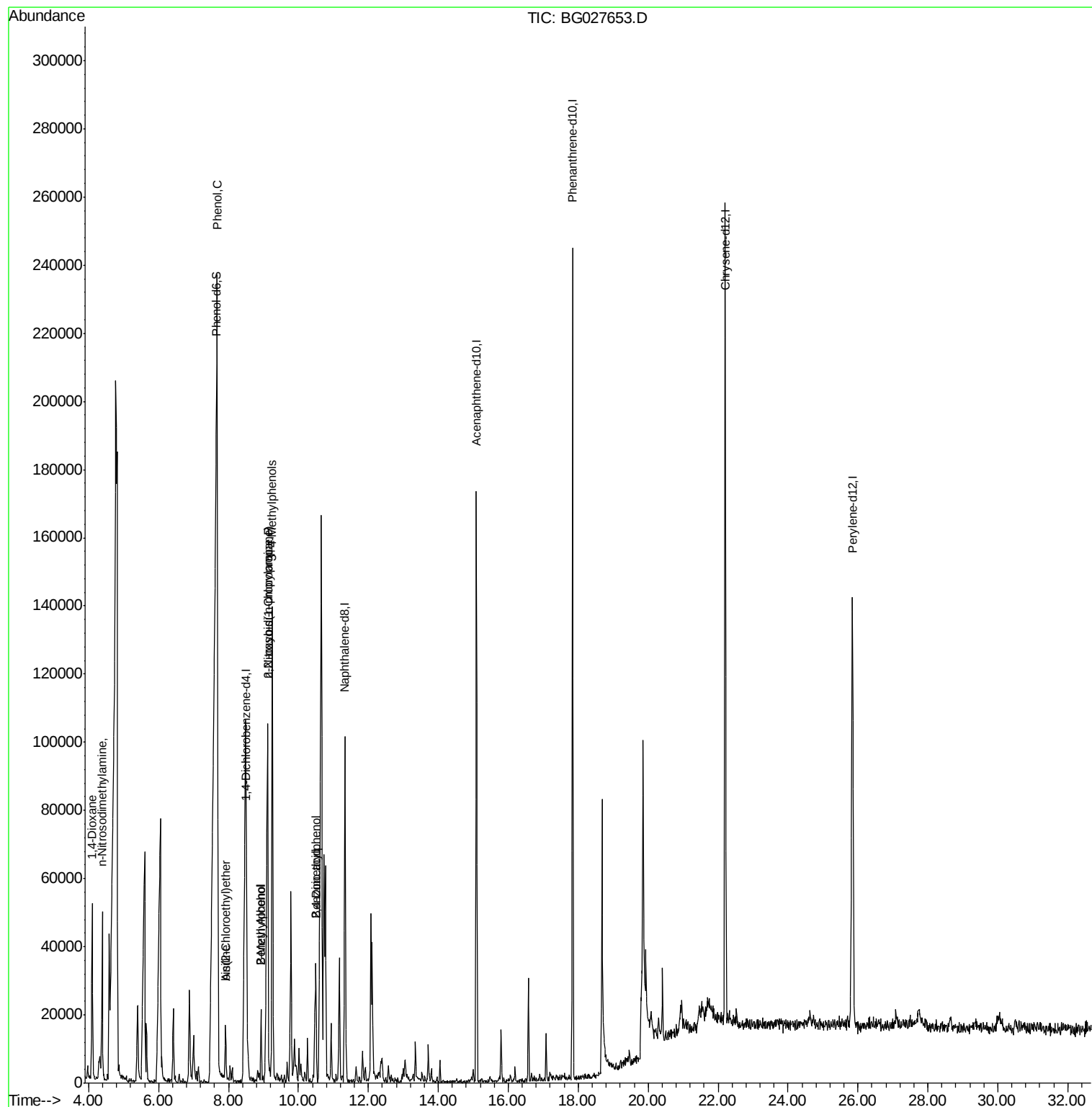
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.51	152	17534	20.00	ng	0.00
21) Naphthalene-d8	11.33	136	86078	20.00	ng	0.00
38) Acenaphthene-d10	15.09	164	56444	20.00	ng	0.00
63) Phenanthrene-d10	17.84	188	146715	20.00	ng	0.00
75) Chrysene-d12	22.20	240	160750	20.00	ng	-0.01
86) Perylene-d12	25.84	264	154220	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.09	112	983	0.80	ng	0.00
7) Phenol-d6	7.65	99	4588	2.52	ng	0.00
23) Nitrobenzene-d5	9.67	82	2455	1.35	ng	0.00
41) 2,4,6-Tribromophenol	16.57	330	1537	1.83	ng	0.00
44) 2-Fluorobiphenyl	13.71	172	5824	1.41	ng	-0.01
78) Terphenyl-d14	20.41	244	8270	1.21	ng	0.00
Target Compounds						
2) 1,4-Dioxane	4.10	88	27108	56.67	ng	Qvalue 87
4) n-Nitrosodimethylamine	4.38	42	3110	4.40	ng	# 5
6) Aniline	7.91	93	9048	4.07	ng	# 57
10) Phenol	7.67	94	7253	3.90	ng	98
11) bis(2-Chloroethyl)ether	7.91	93	9048	6.22	ng	86
15) Benzyl Alcohol	8.93	79	3468	2.38	ng	# 1
16) 2,2'-oxybis(1-Chloropropan	9.12	45	15150	6.28	ng	74
17) 2-Methylphenol	8.93	107	6193	4.74	ng	93
19) n-Nitroso-di-n-propylamine	9.12	70	8563	5.91	ng	# 45
20) 3+4-Methylphenols	9.25	107	61433	34.32	ng	90
27) 2,4-Dimethylphenol	10.49	122	14822	10.64	ng	# 90
32) Benzoic acid	10.49	122	14822	20.36	ng	# 11

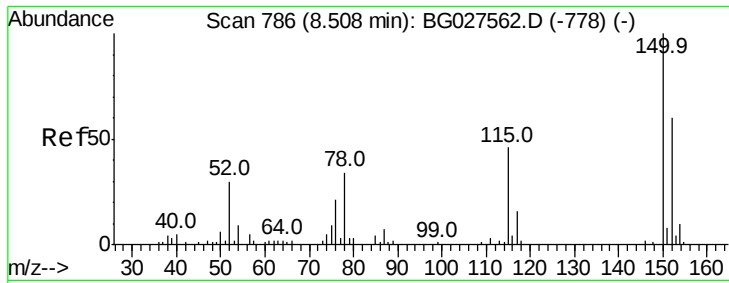
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.51 min Scan# 787

Delta R.T. 0.01 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

Instrument :

BNA_G

ClientSampleId :

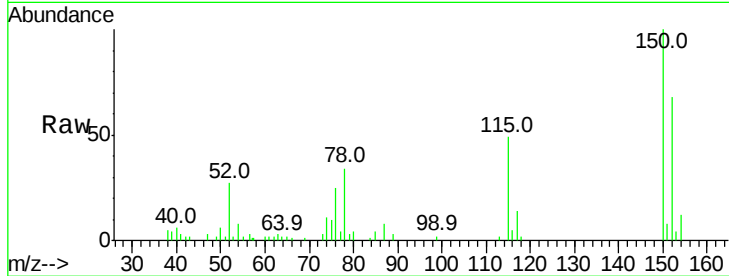
Tot Ion:152 Resp: 17534

Ion Ratio Lower Upper

152 100

150 146.6 114.0 171.0

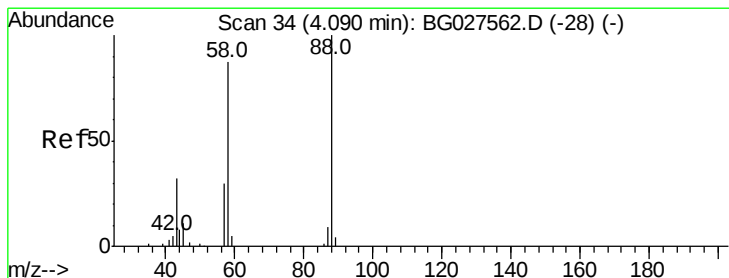
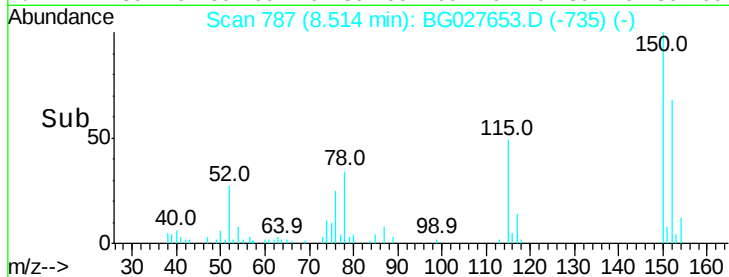
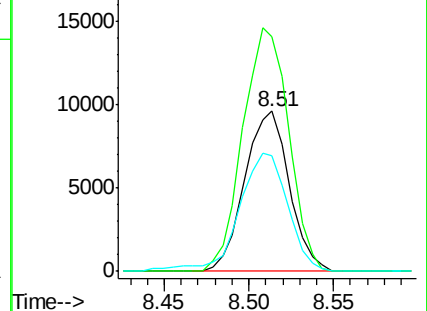
115 72.2 48.1 72.1#



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



#2

1,4-Dioxane

Concen: 56.67 ng

RT: 4.10 min Scan# 35

Delta R.T. 0.01 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

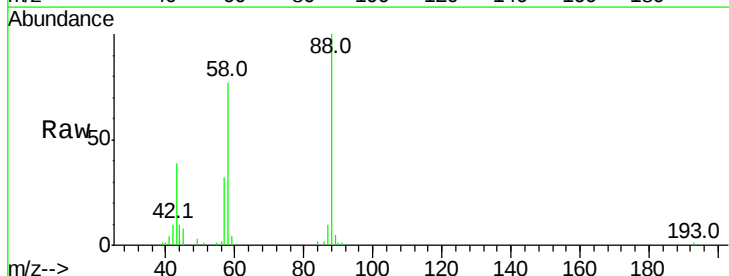
Tgt Ion: 88 Resp: 27108

Ion Ratio Lower Upper

88 100

58 82.5 79.4 119.2

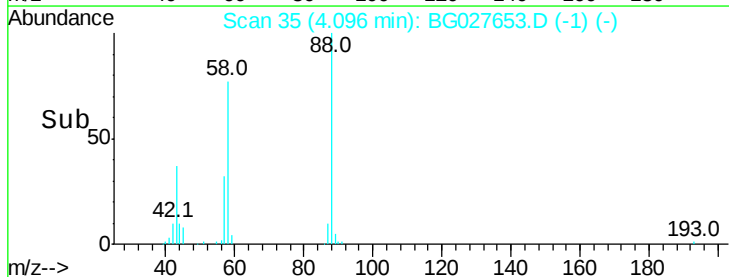
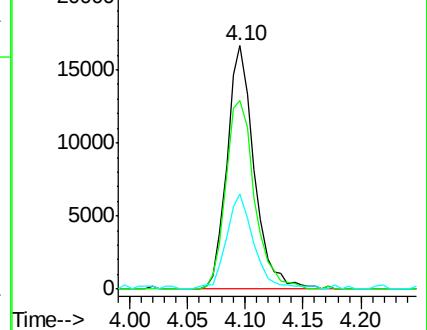
43 39.5 33.8 50.6

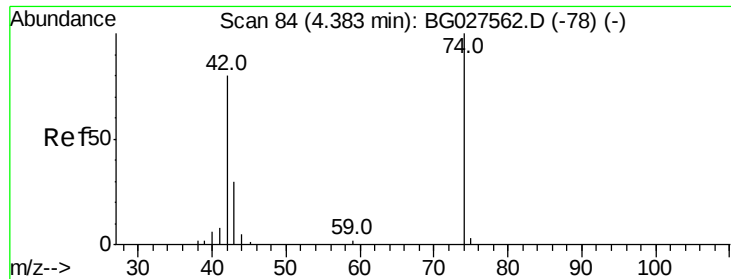


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 4.40 ng

RT: 4.38 min Scan# 84

Delta R.T. 0.00 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

Instrument :

BNA_G

ClientSampled :

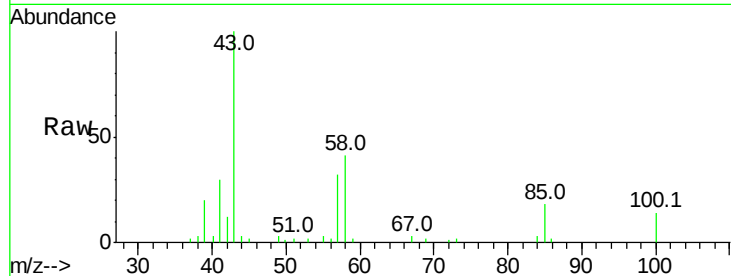
Tot Ion: 42 Resp: 3110

Ion Ratio Lower Upper

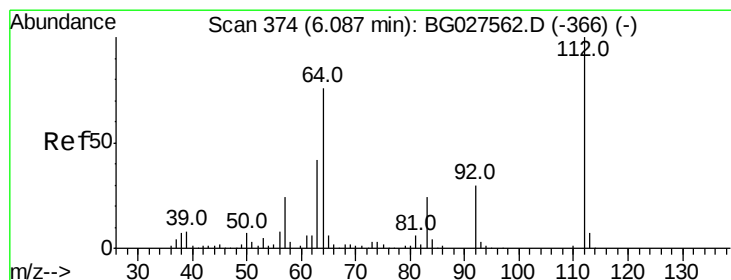
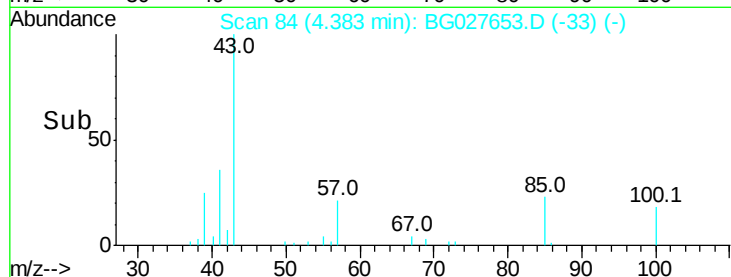
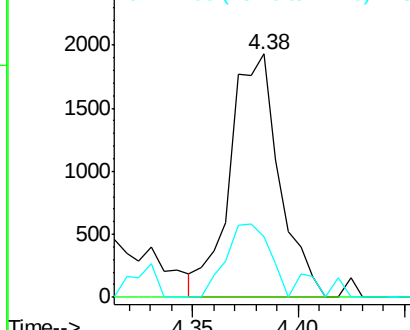
42 100

74 0.0 76.7 115.1#

44 25.0 6.1 9.1#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 0.80 ng

RT: 6.09 min Scan# 374

Delta R.T. 0.00 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

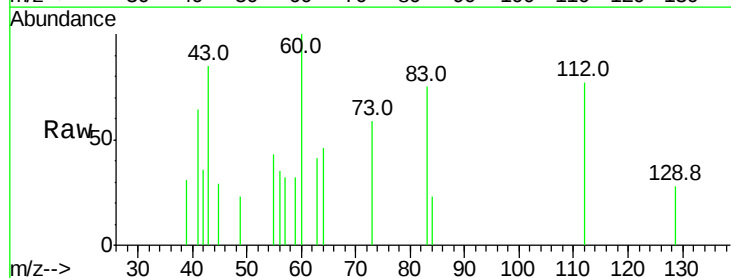
Tgt Ion: 112 Resp: 983

Ion Ratio Lower Upper

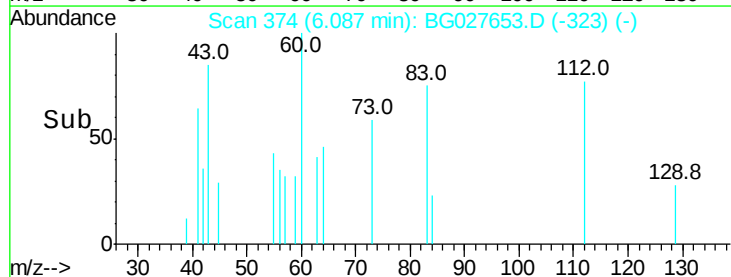
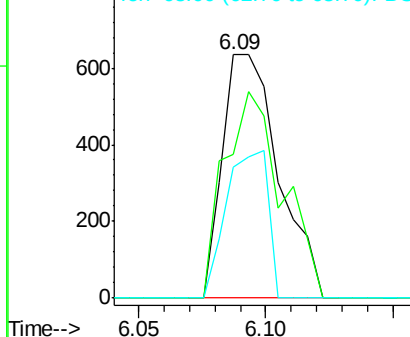
112 100

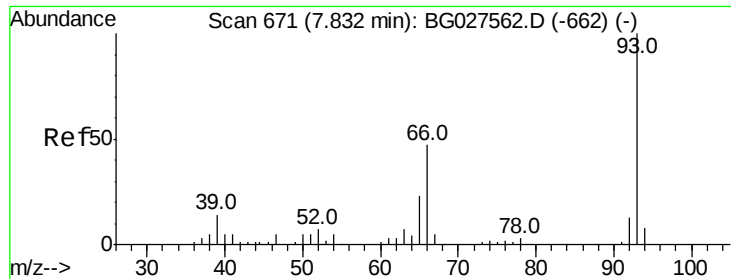
64 59.1 61.8 92.6#

63 53.5 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





#6

Aniline

Concen: 4.07 ng

RT: 7.91 min Scan# 685

Delta R.T. 0.08 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

Instrument :

BNA_G

ClientSampleId :

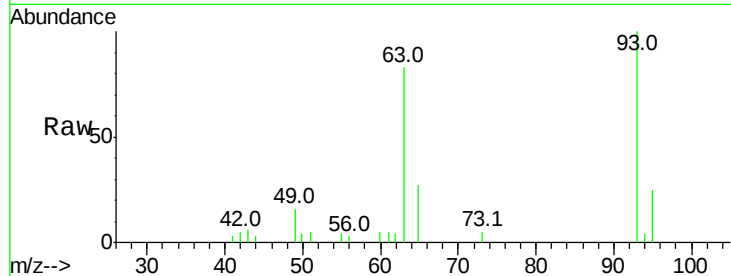
Tot Ion: 93 Resp: 9048

Ion Ratio Lower Upper

93 100

66 0.0 35.4 53.2#

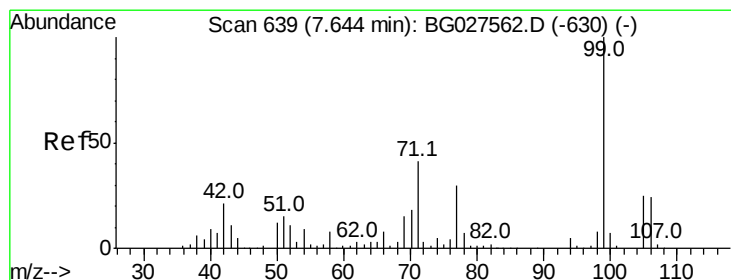
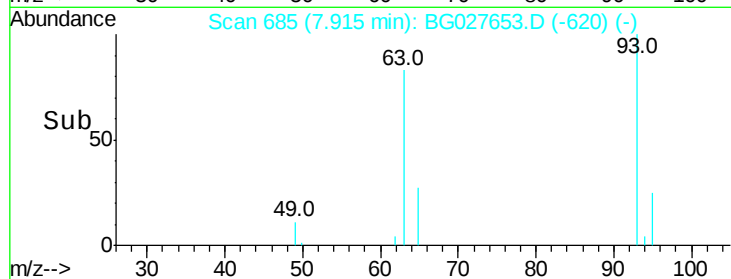
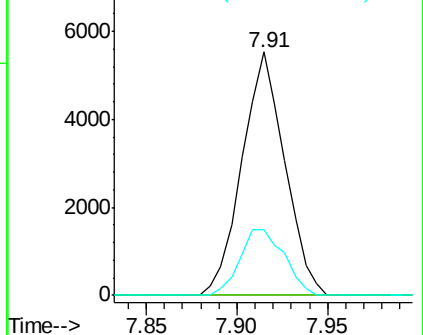
65 26.7 21.2 31.8



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 2.52 ng

RT: 7.65 min Scan# 640

Delta R.T. 0.01 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

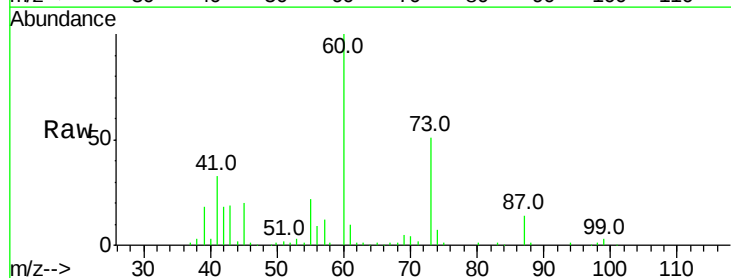
Tgt Ion: 99 Resp: 4588

Ion Ratio Lower Upper

99 100

42 563.6 20.5 30.7#

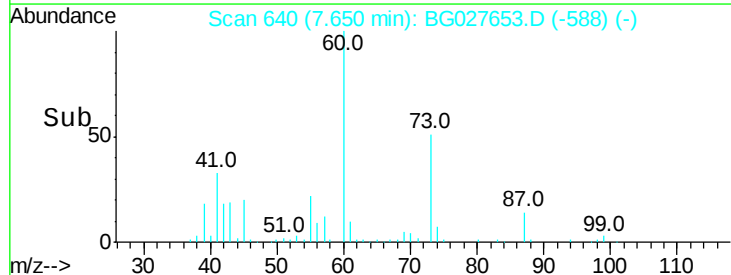
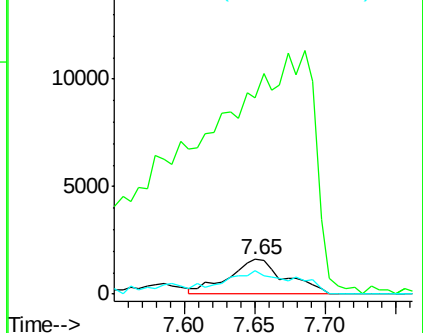
71 66.3 37.6 56.4#

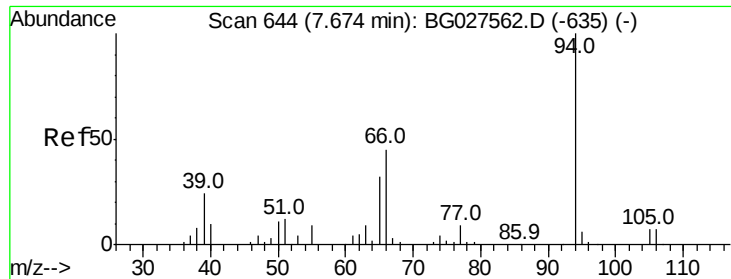


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 3.90 ng

RT: 7.67 min Scan# 644

Delta R.T. 0.00 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

Instrument :

BNA_G

ClientSampled :

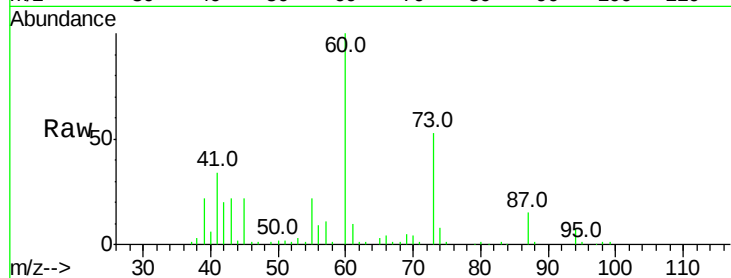
Tot Ion: 94 Resp: 7253

Ion Ratio Lower Upper

94 100

65 40.4 20.6 60.6

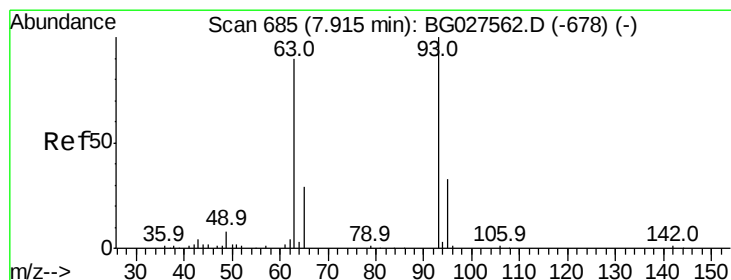
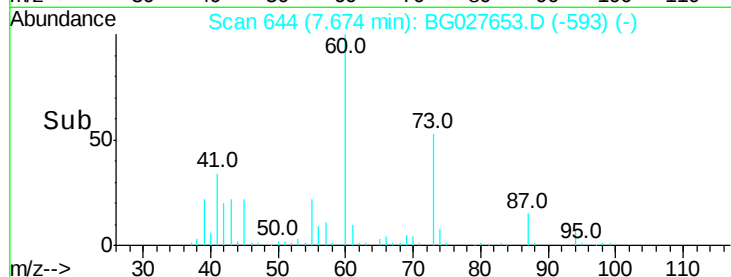
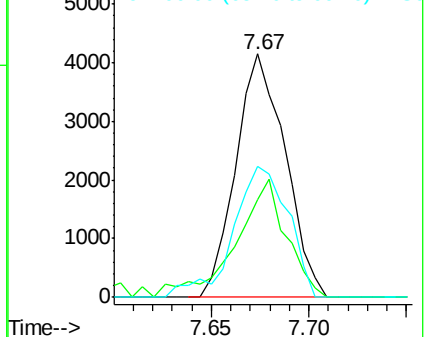
66 53.7 35.5 75.5



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: 6.22 ng

RT: 7.91 min Scan# 685

Delta R.T. 0.00 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

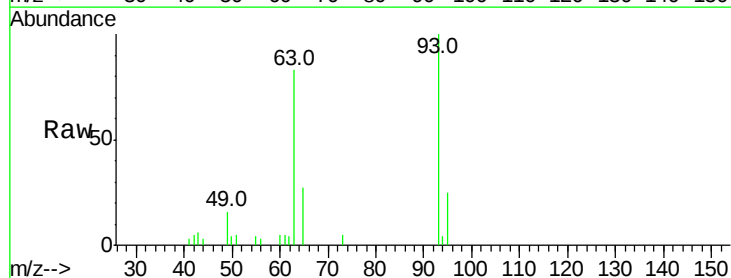
Tgt Ion: 93 Resp: 9048

Ion Ratio Lower Upper

93 100

63 83.1 78.5 118.5

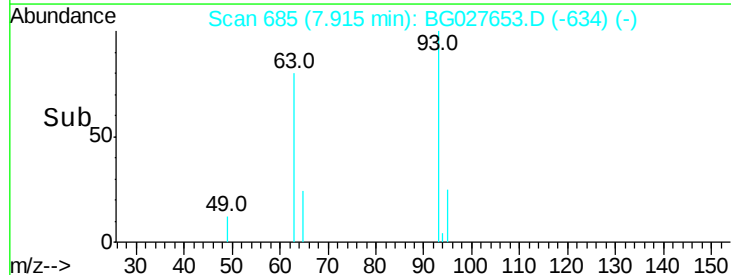
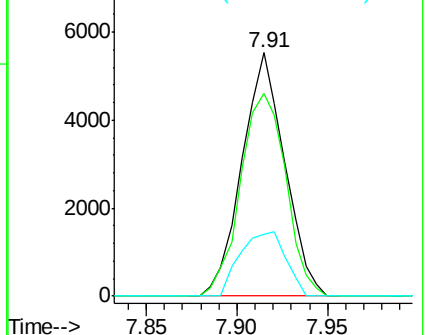
95 25.4 9.8 49.8

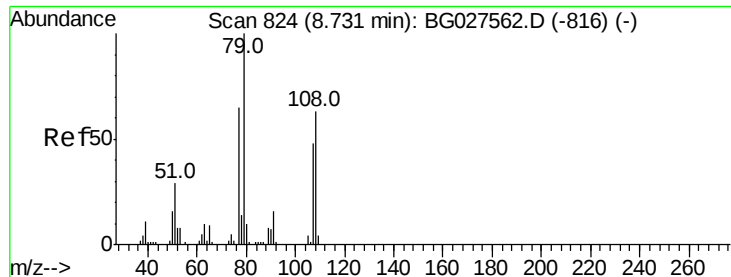


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 2.38 ng

RT: 8.93 min Scan# 857

Delta R.T. 0.19 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

Instrument :

BNA_G

ClientSampleId :

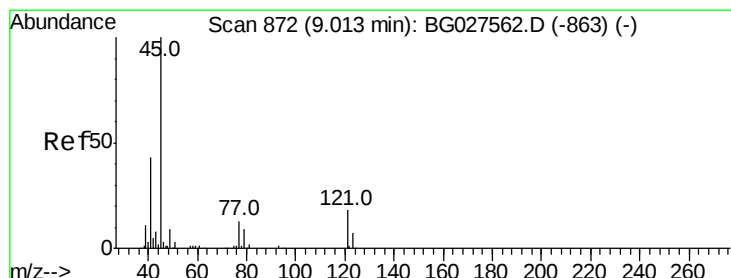
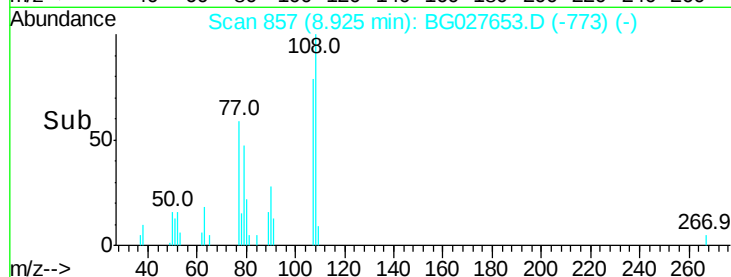
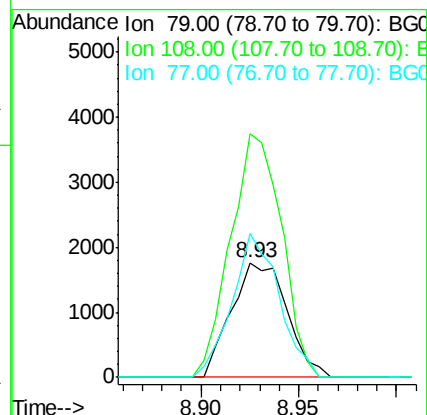
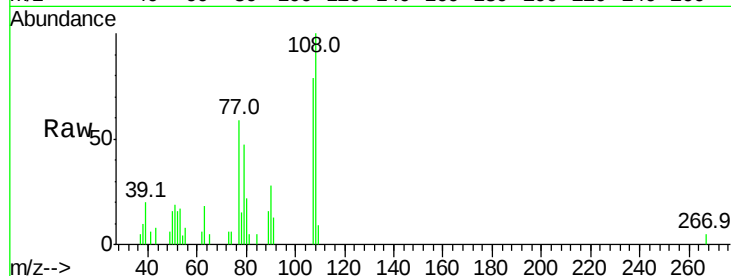
Tot Ion: 79 Resp: 3468

Ion Ratio Lower Upper

79 100

108 212.7 45.5 68.3#

77 126.0 54.3 81.5#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.28 ng

RT: 9.12 min Scan# 890

Delta R.T. 0.11 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

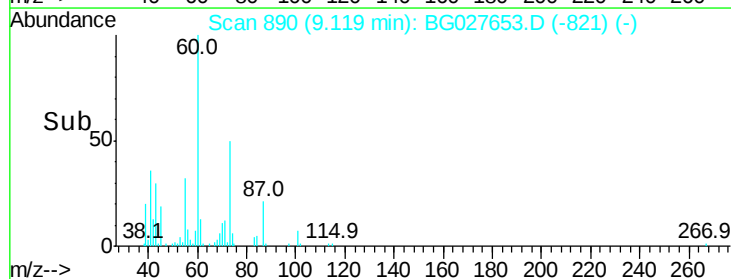
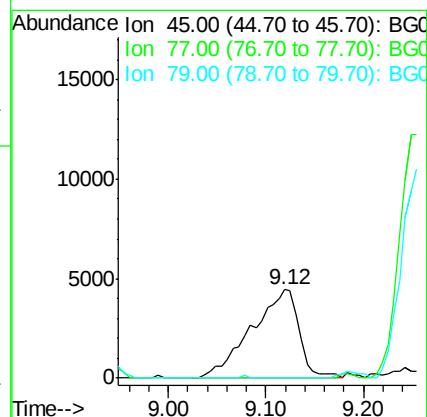
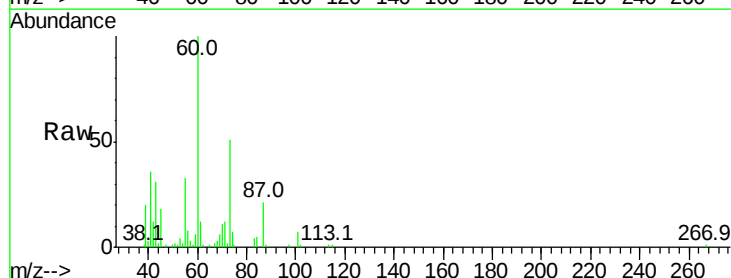
Tgt Ion: 45 Resp: 15150

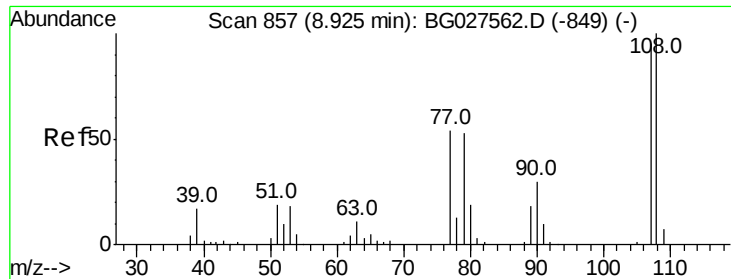
Ion Ratio Lower Upper

45 100

77 0.0 0.0 30.6

79 0.0 0.0 28.5

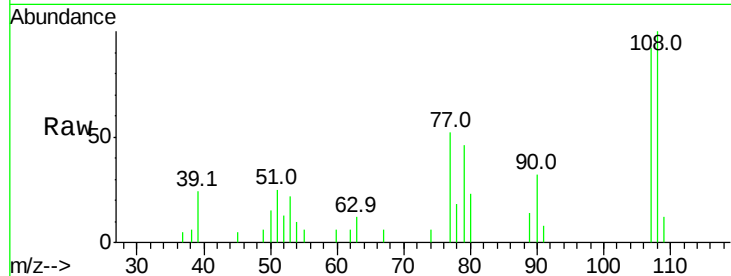




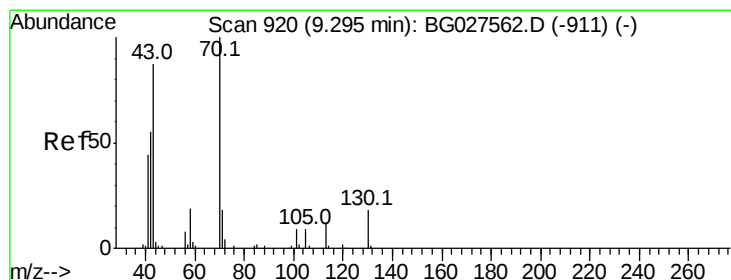
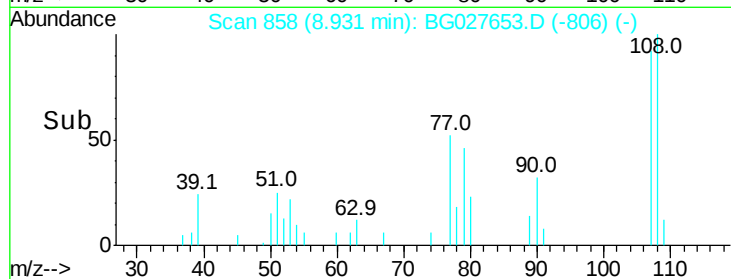
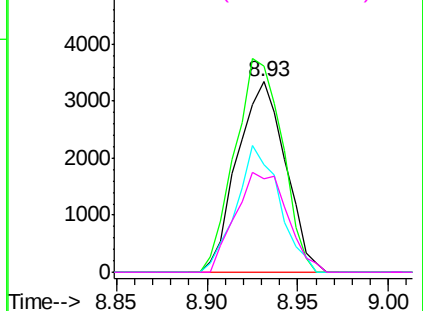
#17
2-Methylphenol
Concen: 4.74 ng
RT: 8.93 min Scan# 858
Delta R.T. 0.01 min
Lab File: BG027653.D
Acq: 24 Jun 2017 10:52

Instrument :
BNA_G
ClientSampled :

Tot Ion: 107 Resp: 6193
Ion Ratio Lower Upper
107 100
108 108.1 85.6 128.4
77 56.6 51.4 77.2
79 49.3 49.2 73.8

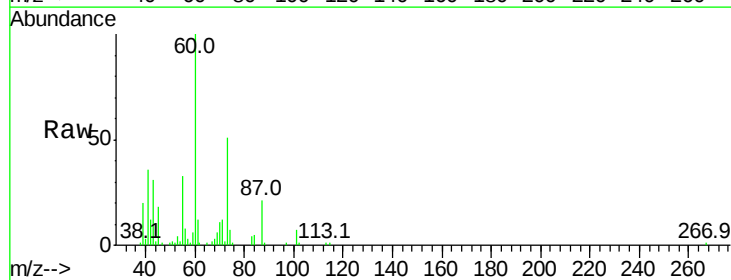


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

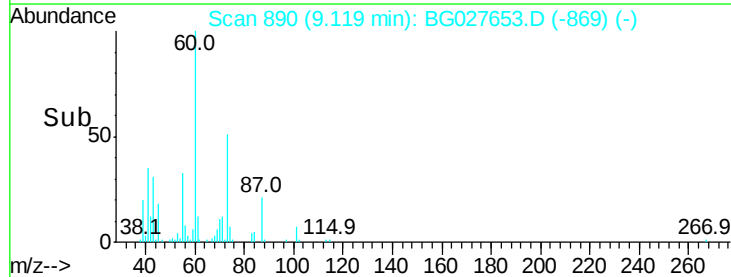
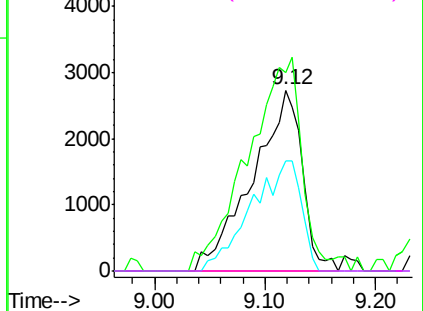


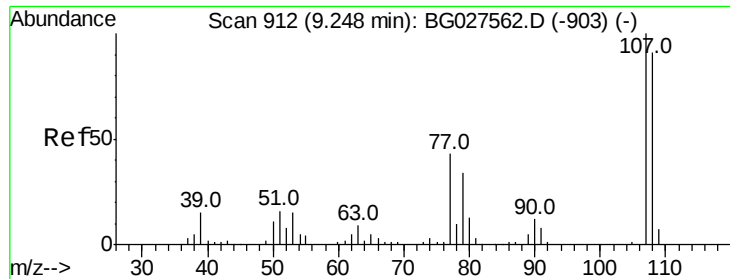
#19
n-Nitroso-di-n-propylamine
Concen: 5.91 ng
RT: 9.12 min Scan# 890
Delta R.T. -0.18 min
Lab File: BG027653.D
Acq: 24 Jun 2017 10:52

Tgt Ion: 70 Resp: 8563
Ion Ratio Lower Upper
70 100
42 109.3 56.1 84.1#
101 60.8 7.5 11.3#
130 0.0 14.6 21.8#



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): E
Ion 130.00 (129.70 to 130.70): E

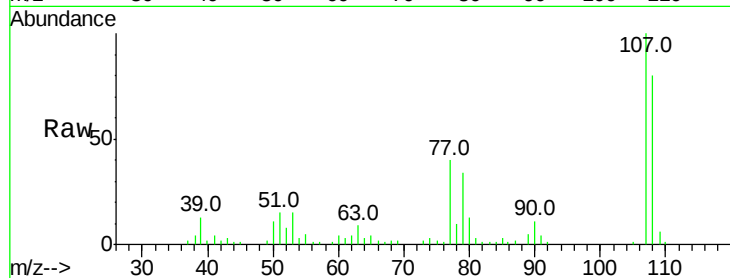




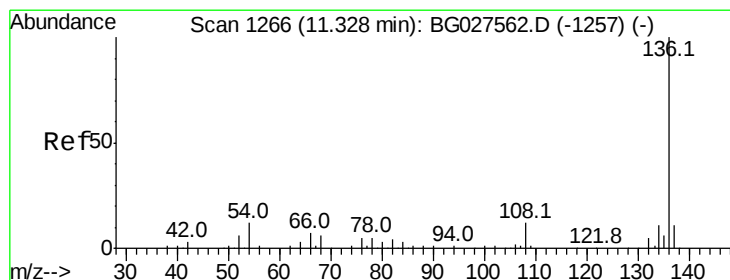
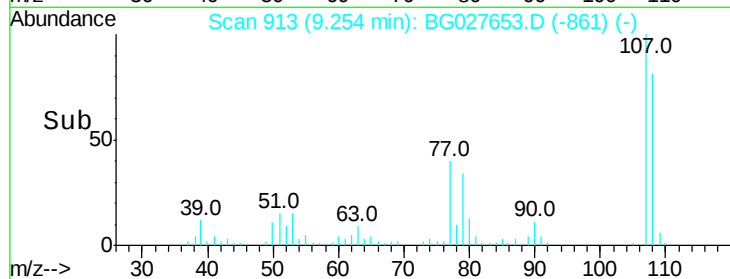
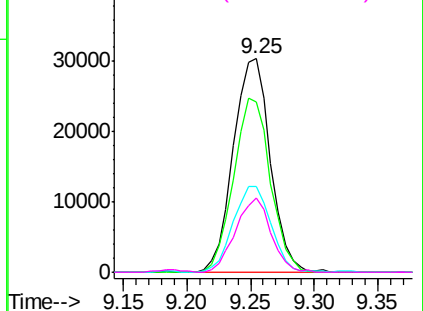
#20
3+4-Methylphenols
Concen: 34.32 ng
RT: 9.25 min Scan# 913
Delta R.T. 0.01 min
Lab File: BG027653.D
Acq: 24 Jun 2017 10:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	107	Resp:	61433
Ion	Ratio	Lower	Upper
107	100		
108	80.0	70.8	110.8
77	40.2	25.8	65.8
79	34.5	20.1	60.1

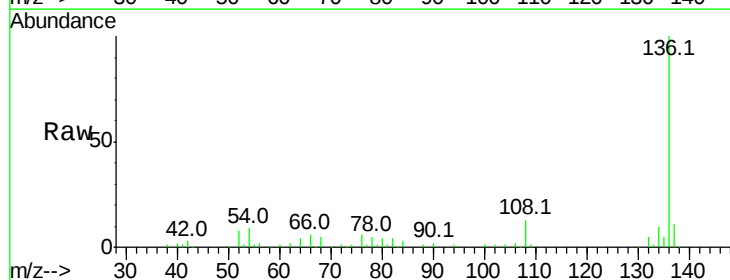


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

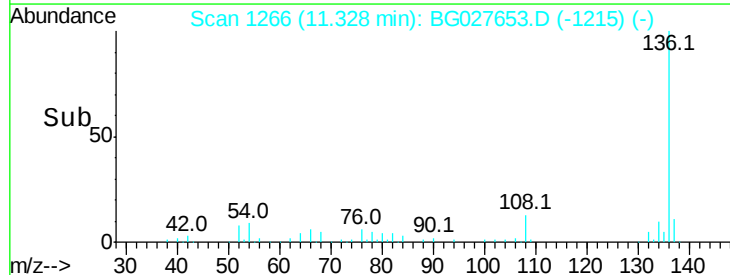
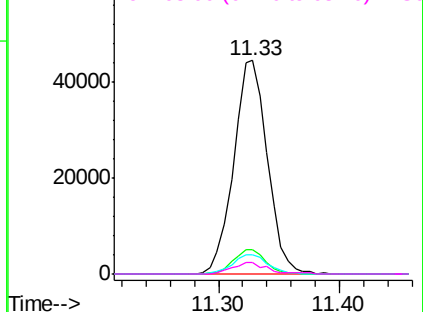


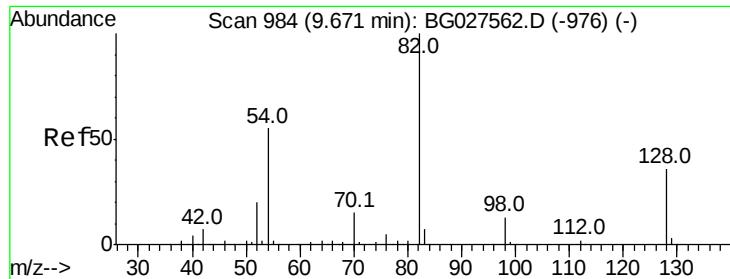
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.33 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BG027653.D
Acq: 24 Jun 2017 10:52

Tgt Ion:	136	Resp:	86078
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.1	9.3	13.9#
68	5.5	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): BG
Ion 68.00 (67.70 to 68.70): BG

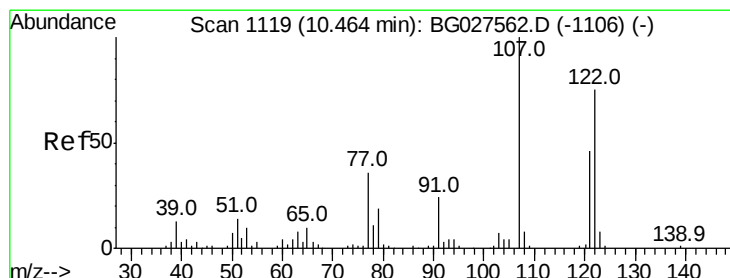
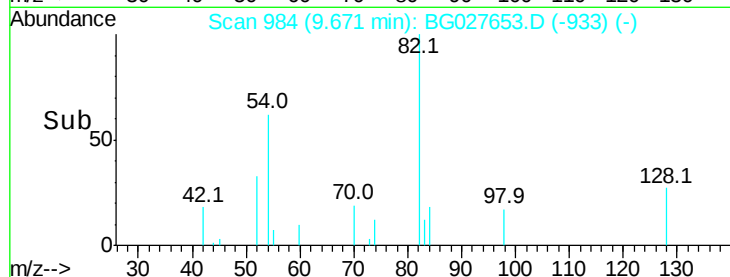
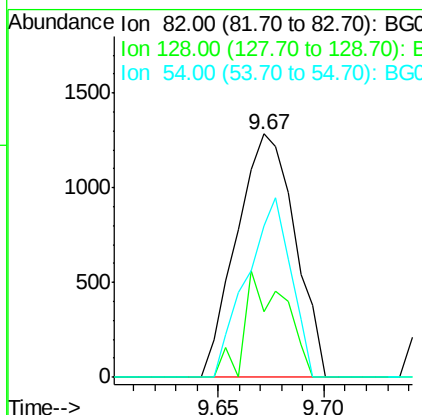
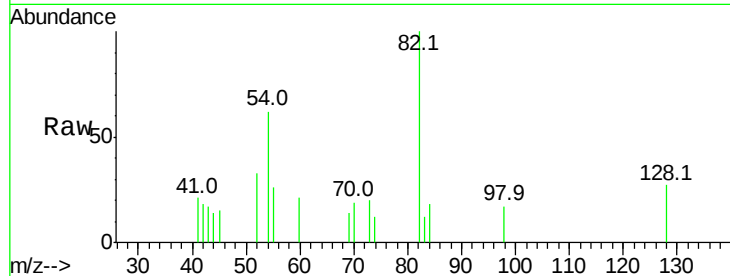




#23
 Nitrobenzene-d5
 Concen: 1.35 ng
 RT: 9.67 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: BG027653.D
 Acq: 24 Jun 2017 10:52

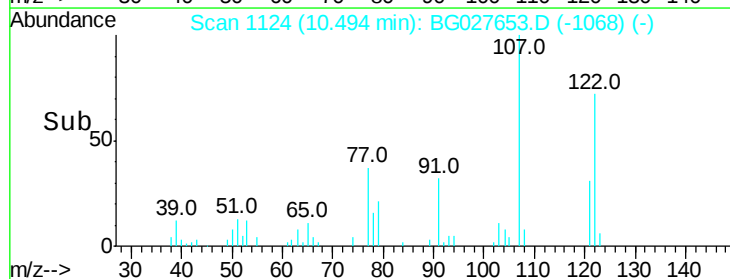
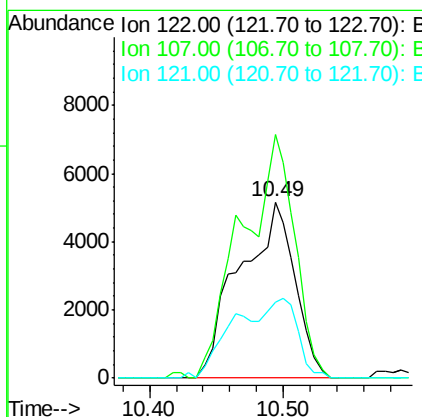
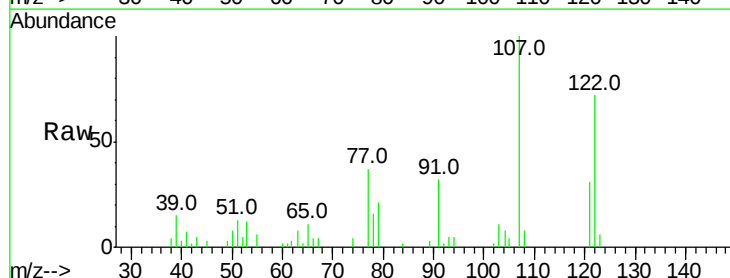
Instrument :
 BNA_G
 ClientSampleID :

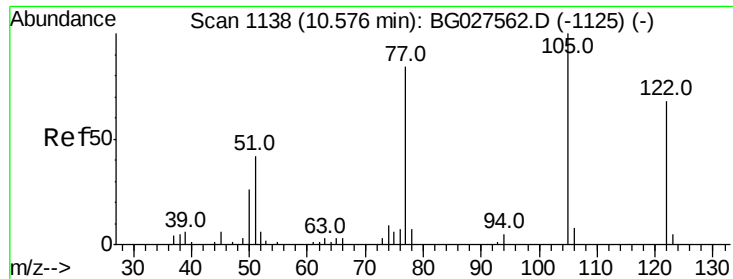
Tot Ion	Ratio	Lower	Upper
82	100		
128	26.9	26.4	39.6
54	62.4	49.4	74.2



#27
 2,4-Dimethylphenol
 Concen: 10.64 ng
 RT: 10.49 min Scan# 1124
 Delta R.T. 0.03 min
 Lab File: BG027653.D
 Acq: 24 Jun 2017 10:52

Tgt Ion	Ratio	Lower	Upper
122	100		
107	138.1	104.2	156.4
121	43.4	46.0	69.0#

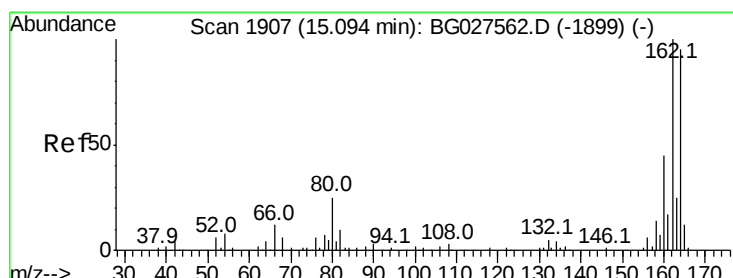
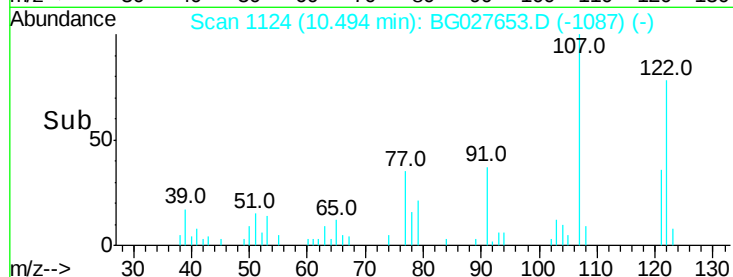
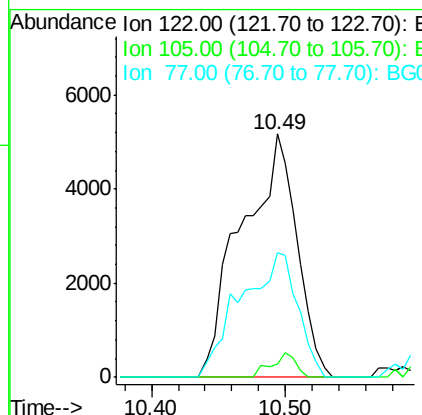
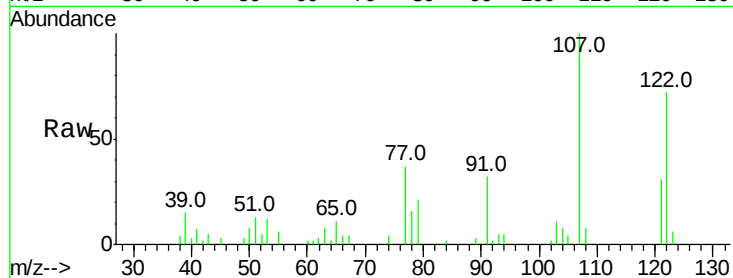




#32
Benzoic acid
Concen: 20.36 ng
RT: 10.49 min Scan# 1124
Delta R.T. -0.08 min
Lab File: BG027653.D
Acq: 24 Jun 2017 10:52

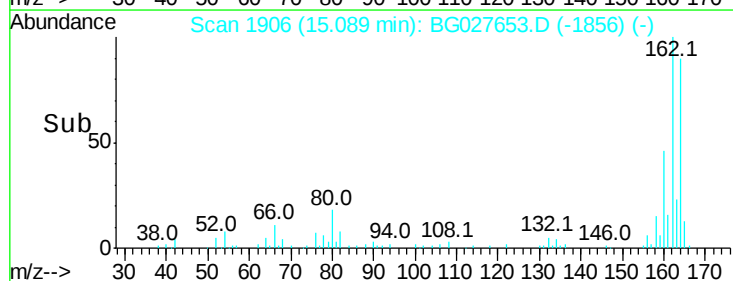
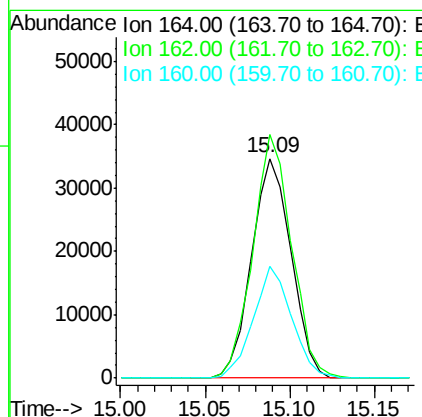
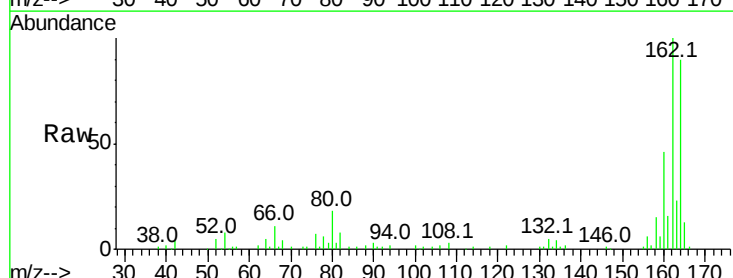
Instrument :
BNA_G
ClientSampleId :

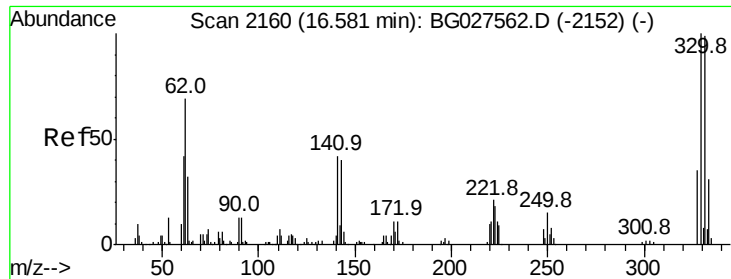
Tot Ion:122 Resp: 14822
Ion Ratio Lower Upper
122 100
105 5.5 120.1 160.1#
77 50.9 104.6 144.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.09 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BG027653.D
Acq: 24 Jun 2017 10:52

Tgt Ion:164 Resp: 56444
Ion Ratio Lower Upper
164 100
162 110.9 85.1 127.7
160 50.7 34.7 52.1





#41

2,4,6-Tribromophenol

Concen: 1.83 ng

RT: 16.57 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

Instrument :

BNA_G

ClientSampleId :

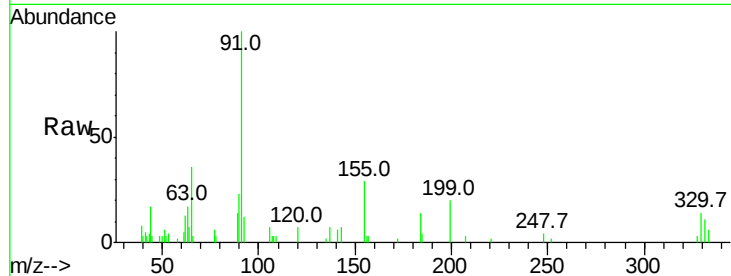
Tot Ion:330 Resp: 1537

Ion Ratio Lower Upper

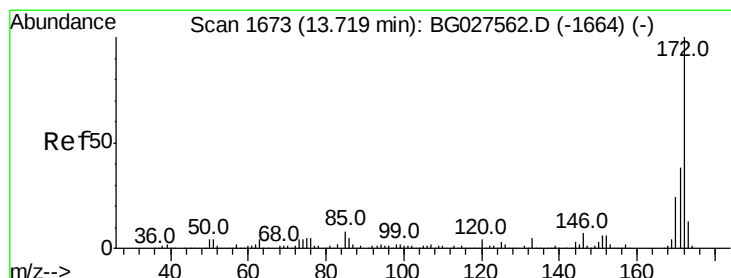
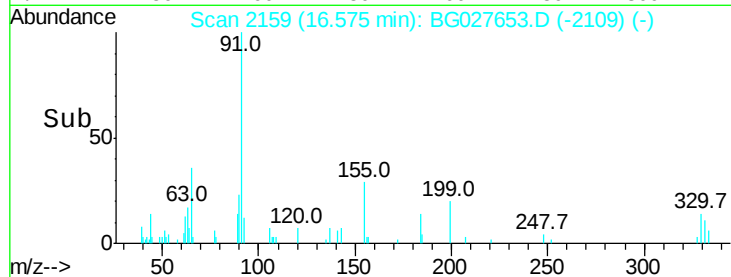
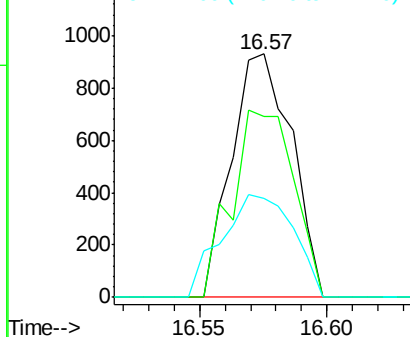
330 100

332 79.3 77.3 115.9

141 50.4 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: 1.41 ng

RT: 13.71 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

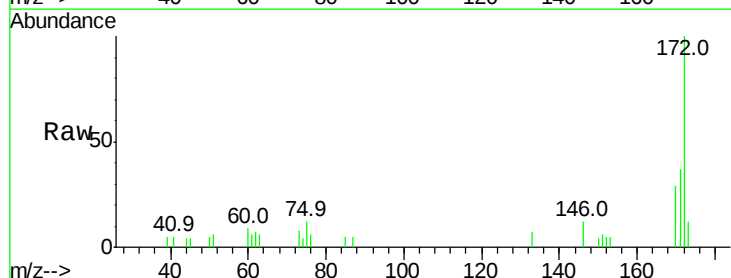
Tgt Ion:172 Resp: 5824

Ion Ratio Lower Upper

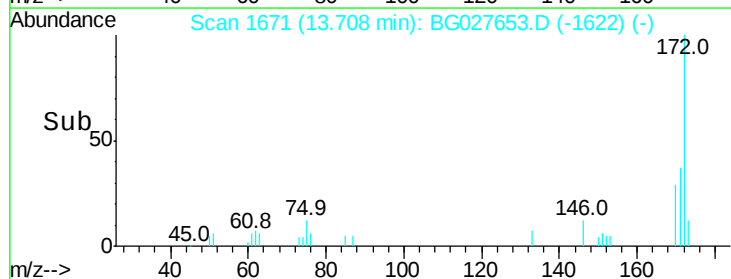
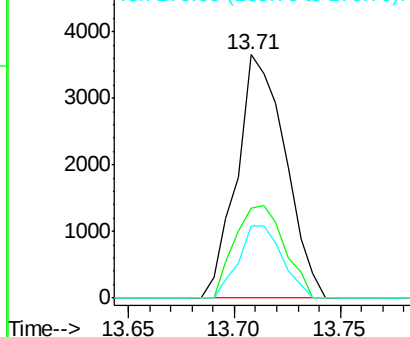
172 100

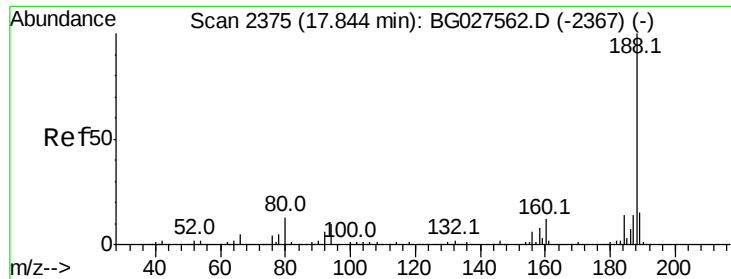
171 36.8 32.2 48.2

170 29.4 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

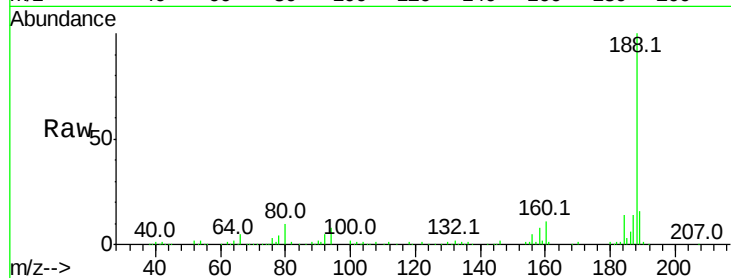




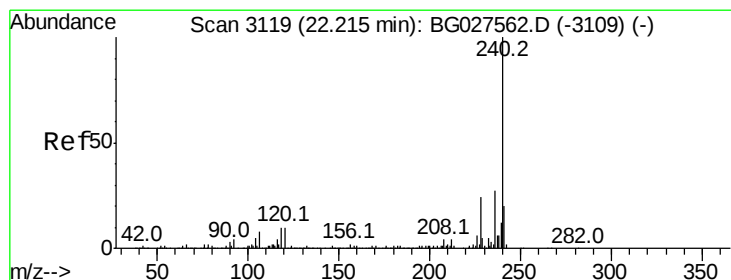
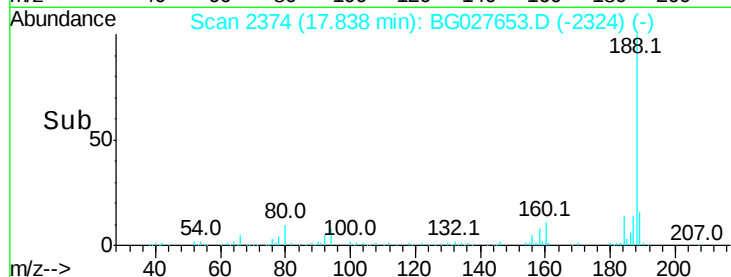
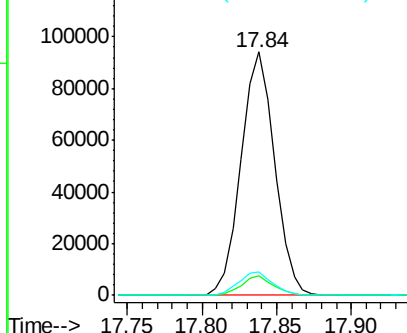
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.84 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BG027653.D
Acq: 24 Jun 2017 10:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 146715
Ion Ratio Lower Upper
188 100
94 8.3 5.8 8.8
80 9.9 7.5 11.3

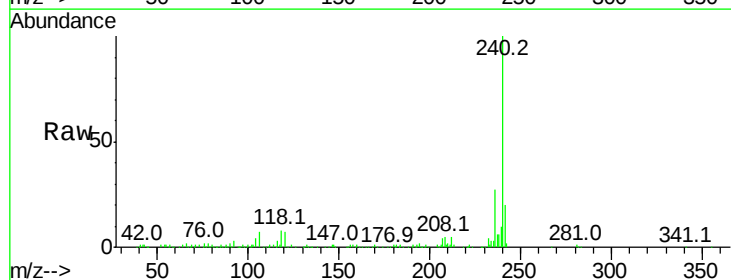


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

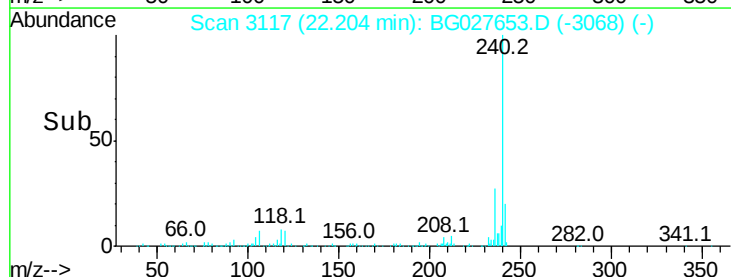
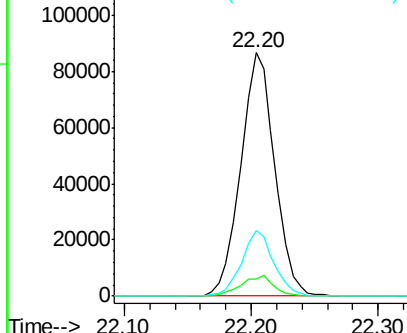


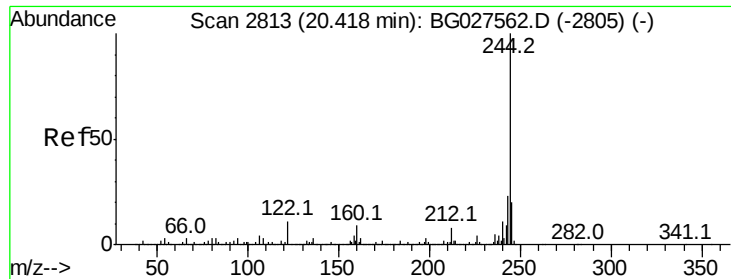
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.20 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BG027653.D
Acq: 24 Jun 2017 10:52

Tgt Ion:240 Resp: 160750
Ion Ratio Lower Upper
240 100
120 7.1 5.7 8.5
236 27.0 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: 1.21 ng

RT: 20.41 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

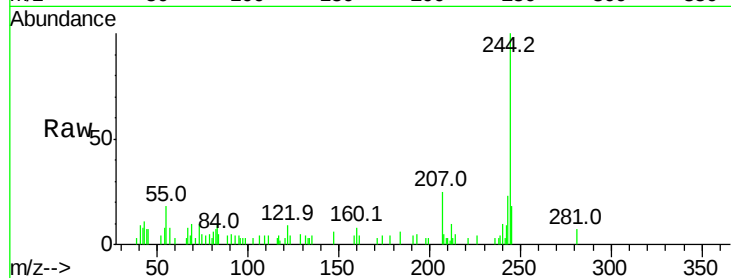
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 8270

Ion	Ratio	Lower	Upper
244	100		
212	10.2	10.0	15.0
122	9.1	8.6	12.8

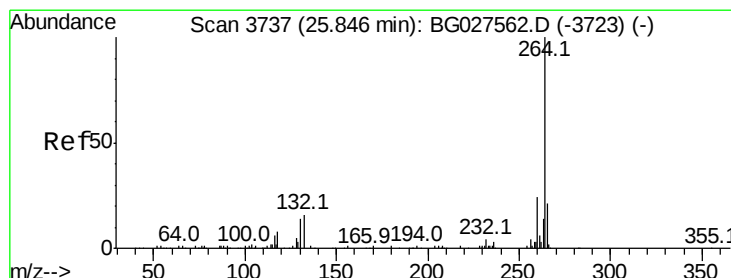
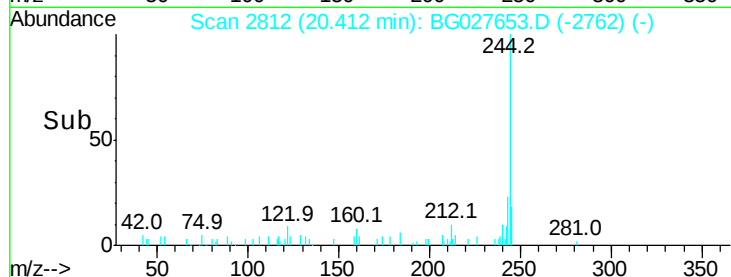


Abundance

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: 20.00 ng

RT: 25.84 min Scan# 3736

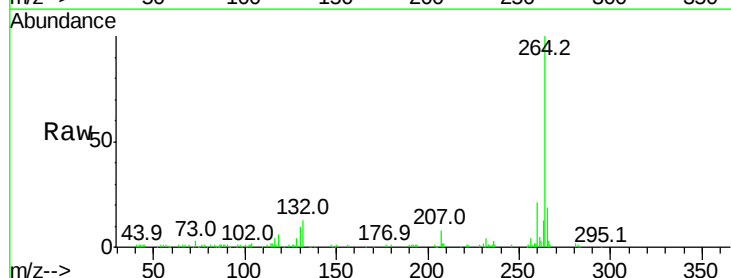
Delta R.T. -0.01 min

Lab File: BG027653.D

Acq: 24 Jun 2017 10:52

Tgt Ion:264 Resp: 154220

Ion	Ratio	Lower	Upper
264	100		
260	20.7	21.8	32.8#
265	19.4	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

