

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062117\
 Data File : BG027576.D
 Acq On : 22 Jun 2017 1:22
 Operator : SJ/JU
 Sample : PB99940TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

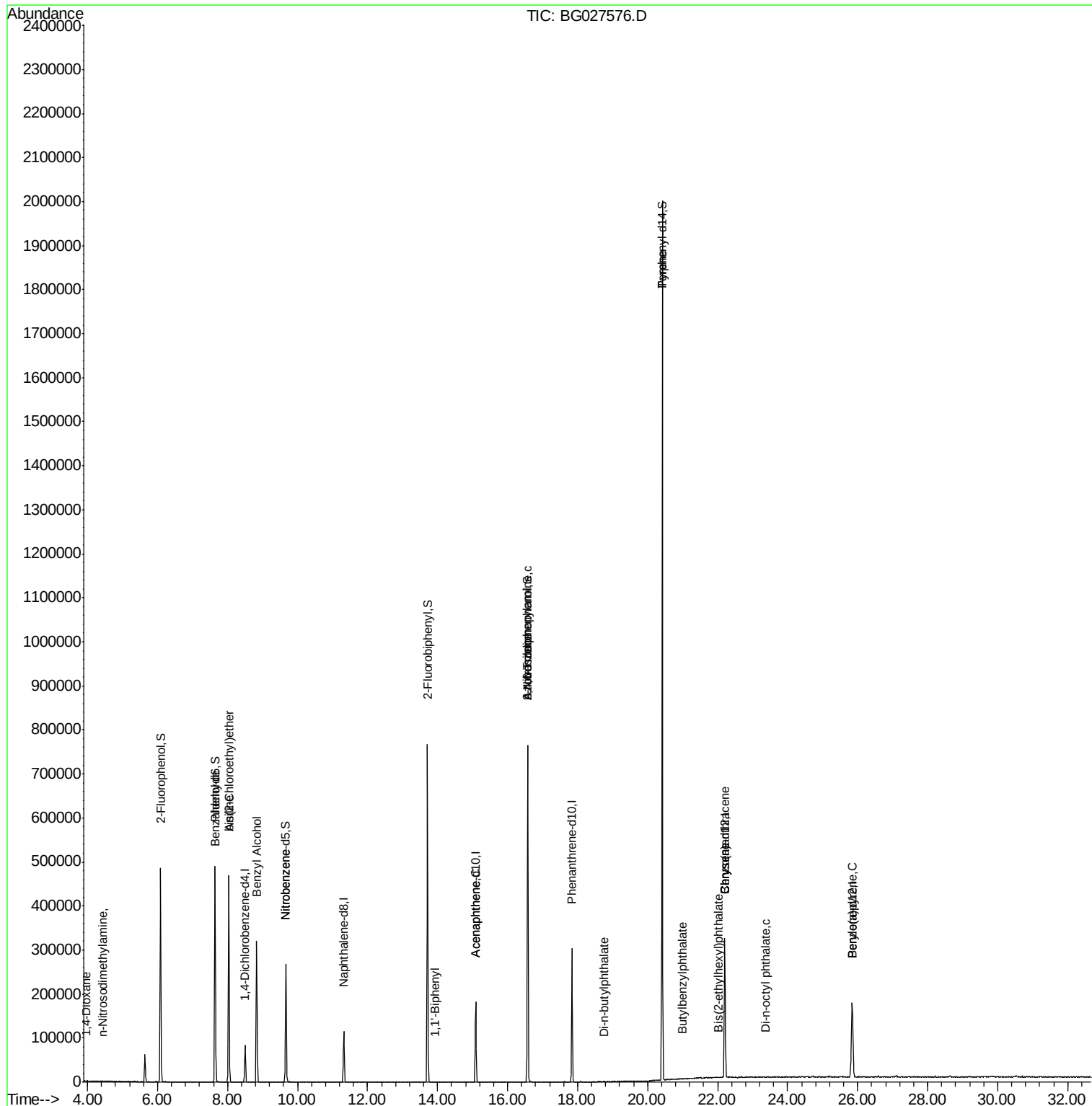
Quant Time: Jun 22 02:31:59 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 21 18:52:15 2017
 Response via : Initial Calibration

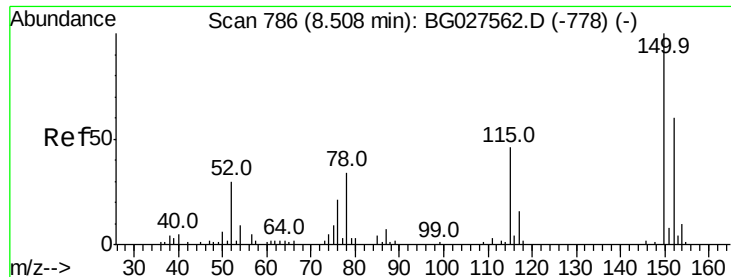
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.51	152	22350	20.00	ng	0.00
21) Naphthalene-d8	11.32	136	97476	20.00	ng	0.00
38) Acenaphthene-d10	15.09	164	61485	20.00	ng	0.00
63) Phenanthrene-d10	17.84	188	186177	20.00	ng	0.00
75) Chrysene-d12	22.21	240	213472	20.00	ng	0.00
86) Perylene-d12	25.84	264	198601	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.09	112	205392	130.79	ng	0.00
7) Phenol-d6	7.64	99	279179	120.09	ng	0.00
23) Nitrobenzene-d5	9.67	82	175696	85.29	ng	0.00
41) 2,4,6-Tribromophenol	16.57	330	133867	146.04	ng	0.00
44) 2-Fluorobiphenyl	13.71	172	378398	84.07	ng	0.00
78) Terphenyl-d14	20.42	244	850470	93.87	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.98	88	57	0.09	ng	# 1
4) n-Nitrosodimethylamine	4.43	42	58	0.06	ng	# 7
6) Aniline	8.04	93	264	0.09	ng	# 1
9) Benzaldehyde	7.65	77	464	0.29	ng	# 10
11) bis(2-Chloroethyl)ether	8.04	93	264	0.14	ng	# 1
15) Benzyl Alcohol	8.83	79	3183	1.71	ng	# 54
24) Nitrobenzene	9.67	77	541	0.24	ng	# 42
45) 1,1'-Biphenyl	13.93	154	503	0.10	ng	# 41
51) Acenaphthene	15.10	154	192	0.04	ng	# 6
62) Azobenzene	16.58	77	958	0.16	ng	# 43
65) n-Nitrosodiphenylamine	16.57	169	5122	0.90	ng	# 46
73) Di-n-butylphthalate	18.76	149	707	0.06	ng	# 73
77) Pvrene	20.42	202	3576	0.28	ng	# 72
79) Butylbenzylphthalate	21.00	149	54	0.01	ng	# 19
80) Benzo(a)anthracene	22.20	228	563	0.04	ng	# 47
82) Chrysene	22.20	228	563	0.05	ng	# 46
83) Bis(2-ethylhexyl)phthalate	22.03	149	468	0.06	ng	# 51
84) Di-n-octyl phthalate	23.38	149	68	0.01	ng	# 68
89) Benzo(a)pvrene	25.84	252	596	0.05	ng	# 58

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

```
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Sample    : PB99940TB  
Misc      :  
ALS Vial  : 19    Sample Multiplier: 1
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Quant Time: Jun 22 02:31:59 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.51 min Scan# 786

Delta R.T. -0.00 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Instrument :

BNA_G

ClientSampled :

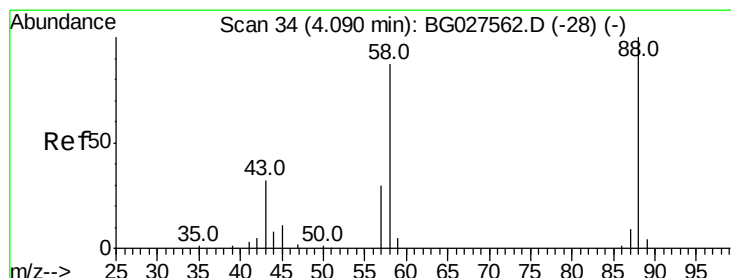
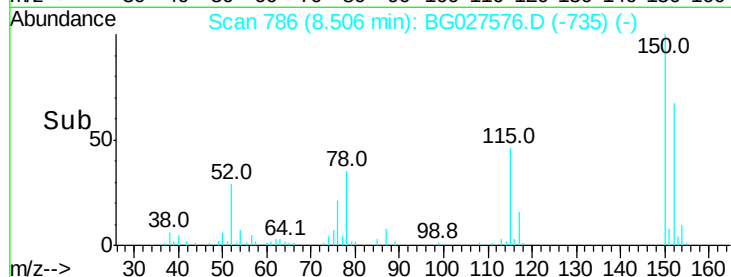
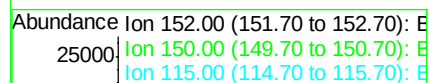
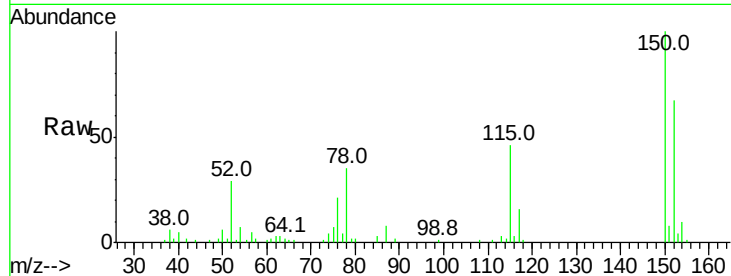
Tot Ion:152 Resp: 22350

Ion Ratio Lower Upper

152 100

150 149.9 114.0 171.0

115 68.2 48.1 72.1



#2

1,4-Dioxane

Concen: 0.09 ng

RT: 3.98 min Scan# 15

Delta R.T. -0.11 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

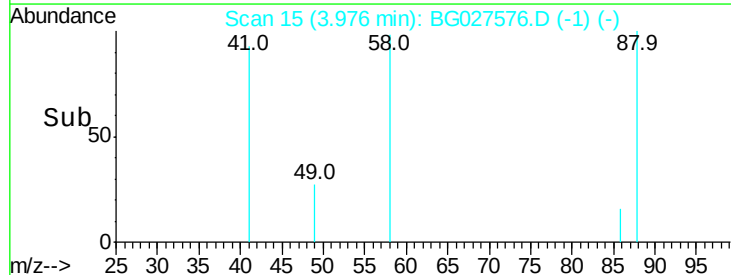
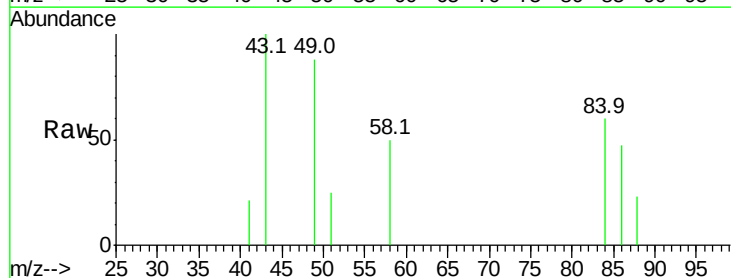
Tgt Ion: 88 Resp: 57

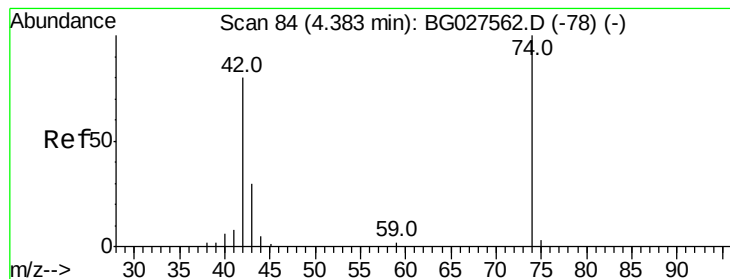
Ion Ratio Lower Upper

88 100

58 515.8 79.4 119.2#

43 787.7 33.8 50.6#





#4

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 4.43 min Scan# 92

Delta R.T. 0.04 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Instrument :

BNA_G

ClientSampleId :

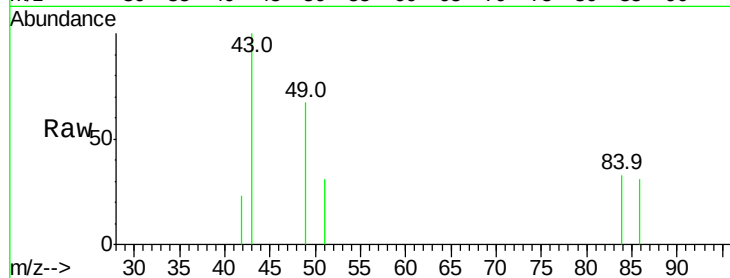
Tot Ion: 42 Resp: 58

Ion Ratio Lower Upper

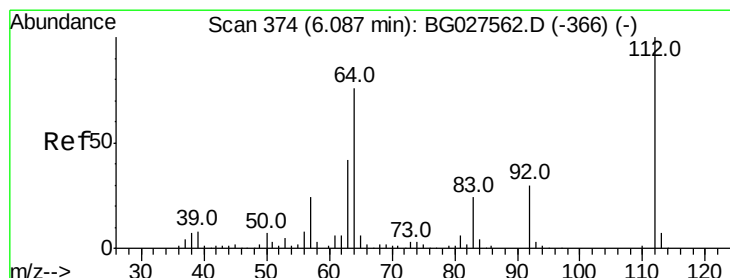
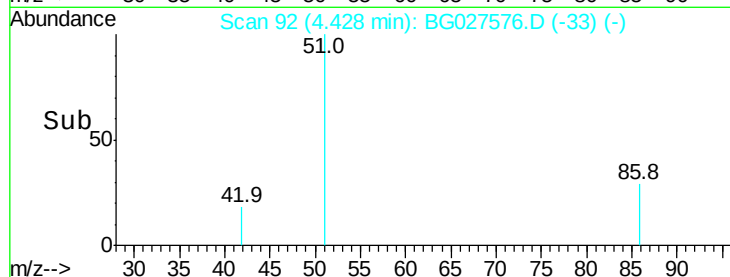
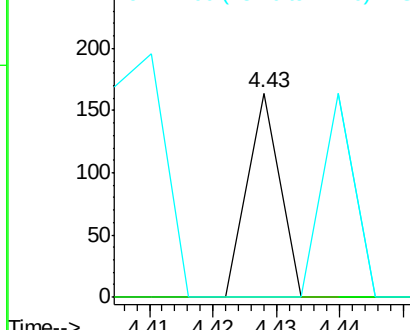
42 100

74 0.0 76.7 115.1#

44 0.0 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: 130.79 ng

RT: 6.09 min Scan# 375

Delta R.T. 0.00 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

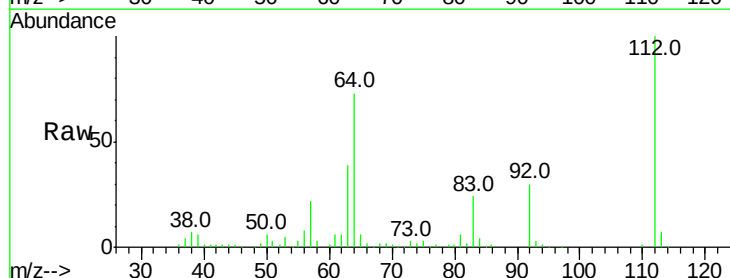
Tgt Ion: 112 Resp: 205392

Ion Ratio Lower Upper

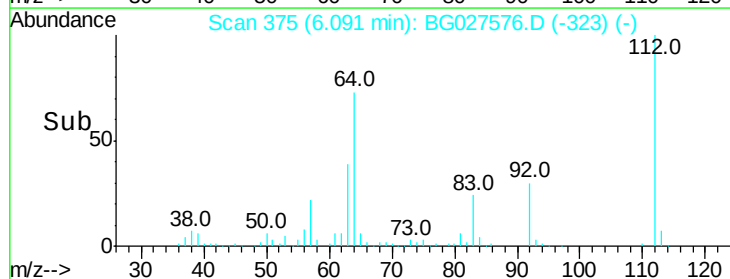
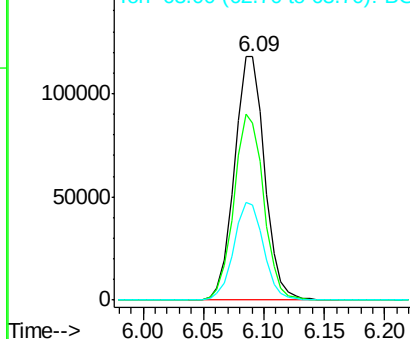
112 100

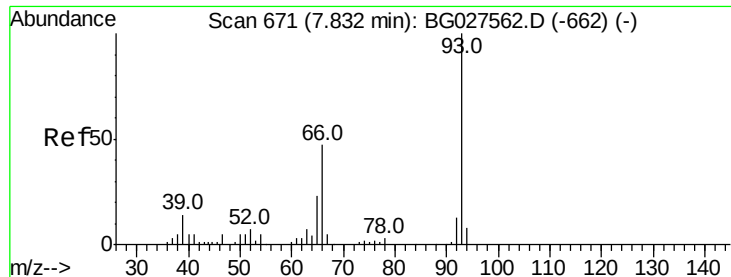
64 72.7 61.8 92.6

63 39.3 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: 0.09 ng

RT: 8.04 min Scan# 706

Delta R.T. 0.20 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Instrument :

BNA_G

ClientSampled :

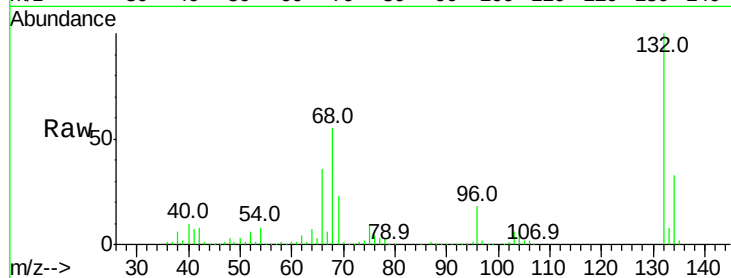
Tot Ion: 93 Resp: 264

Ion Ratio Lower Upper

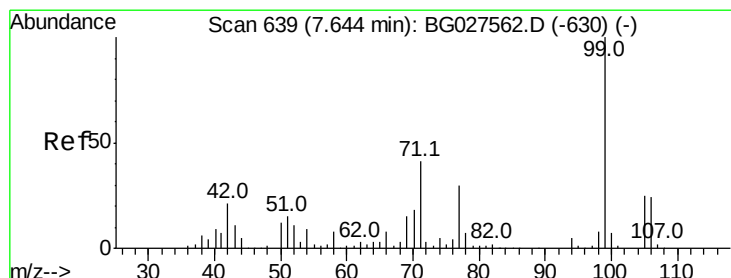
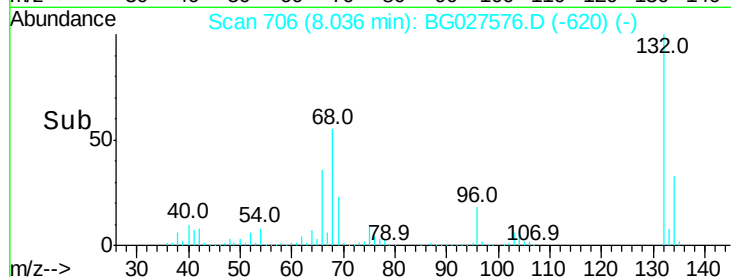
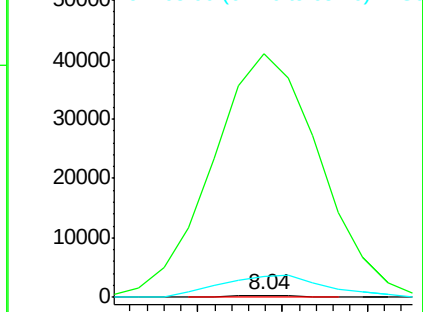
93 100

66 13929.3 35.4 53.2#

65 1175.5 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: 120.09 ng

RT: 7.64 min Scan# 639

Delta R.T. -0.00 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

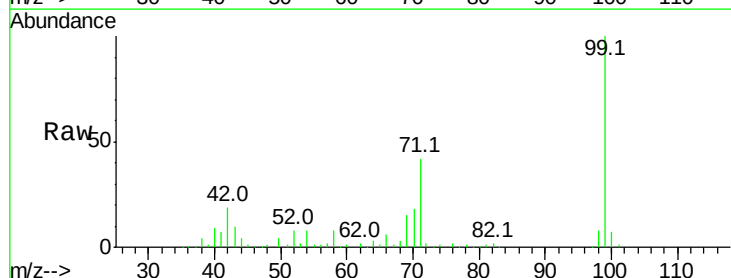
Tgt Ion: 99 Resp: 279179

Ion Ratio Lower Upper

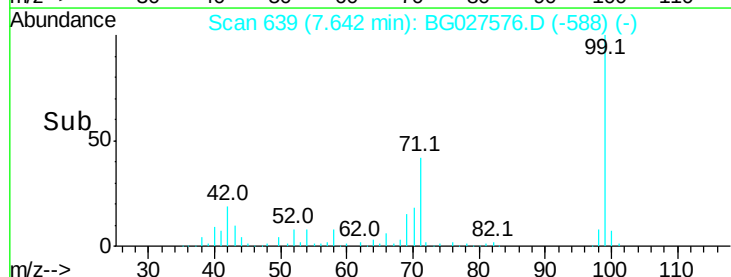
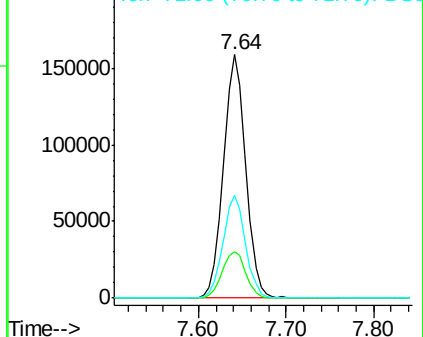
99 100

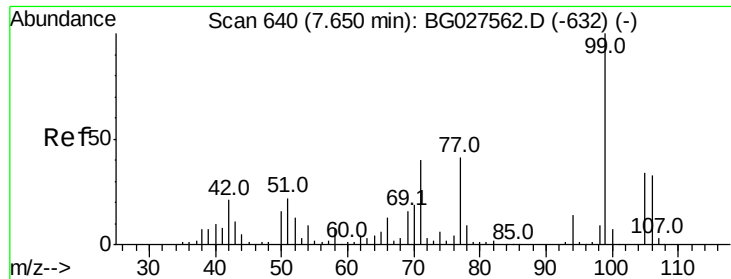
42 19.3 20.5 30.7#

71 42.1 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

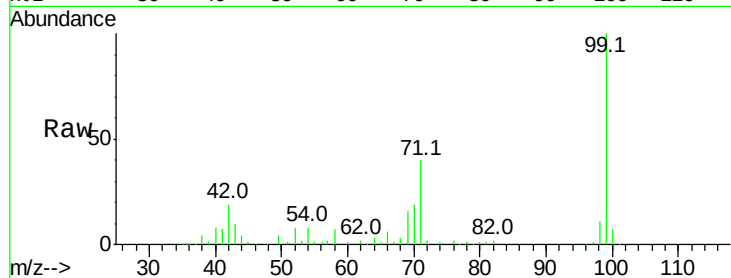




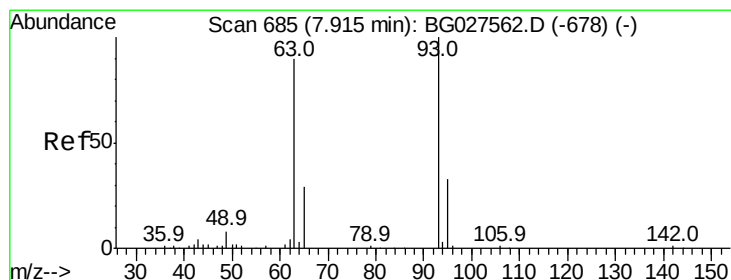
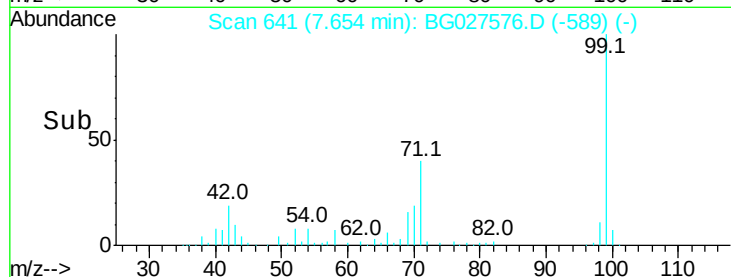
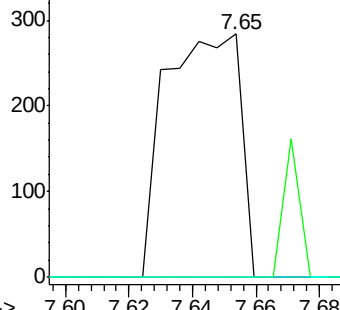
#9
Benzaldehyde
Concen: 0.29 ng
RT: 7.65 min Scan# 641
Delta R.T. 0.00 min
Lab File: BG027576.D
Acq: 22 Jun 2017 1:22

Instrument :
BNA_G
ClientSampled :

Tot Ion: 77 Resp: 464
Ion Ratio Lower Upper
77 100
105 0.0 60.9 100.9#
106 0.0 55.1 95.1#

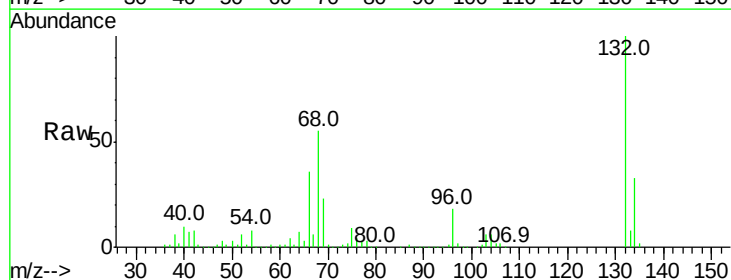


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

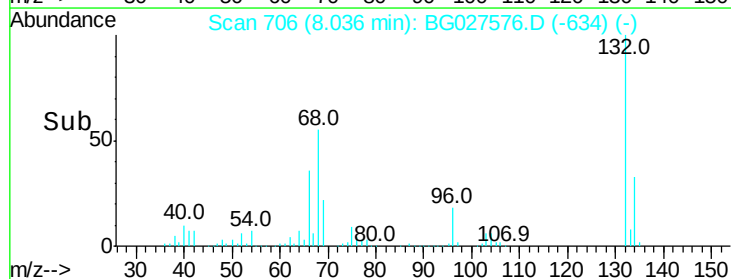
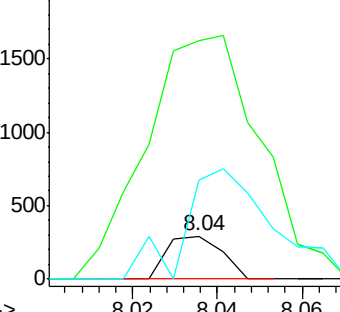


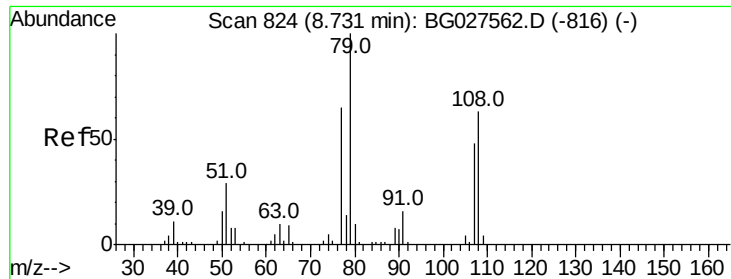
#11
bis(2-Chloroethyl)ether
Concen: 0.14 ng
RT: 8.04 min Scan# 706
Delta R.T. 0.12 min
Lab File: BG027576.D
Acq: 22 Jun 2017 1:22

Tgt Ion: 93 Resp: 264
Ion Ratio Lower Upper
93 100
63 552.4 78.5 118.5#
95 229.9 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: 1.71 ng

RT: 8.83 min Scan# 841

Delta R.T. 0.10 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Instrument :

BNA_G

ClientSampleId :

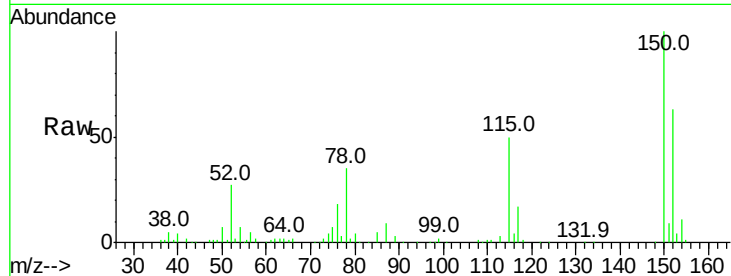
Tot Ion: 79 Resp: 3183

Ion Ratio Lower Upper

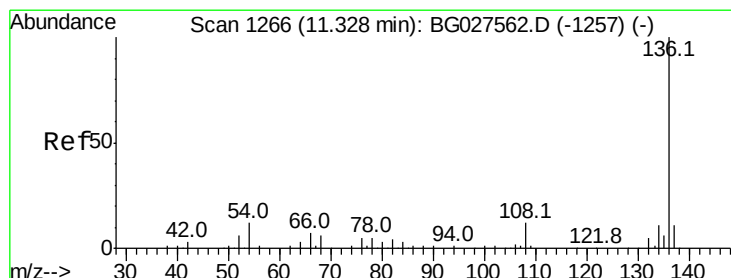
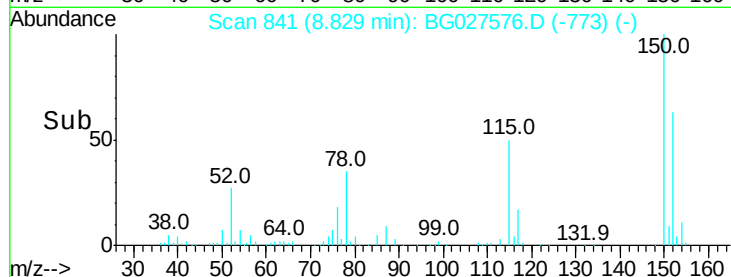
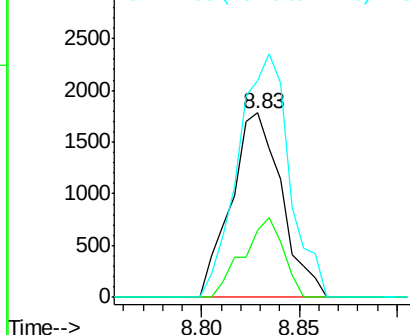
79 100

108 36.4 45.5 68.3#

77 117.2 54.3 81.5#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.32 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Tgt Ion: 136 Resp: 97476

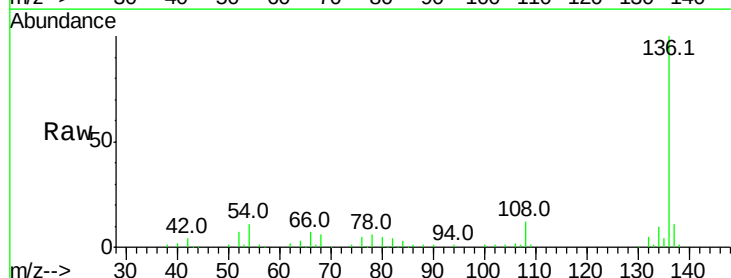
Ion Ratio Lower Upper

136 100

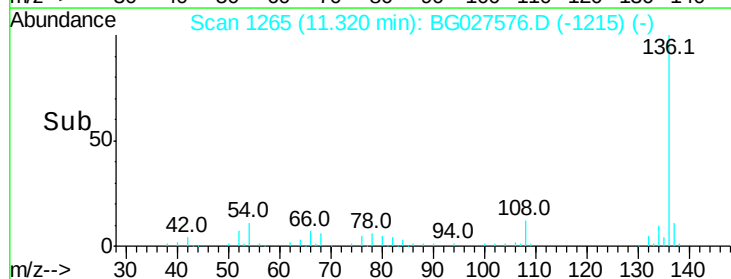
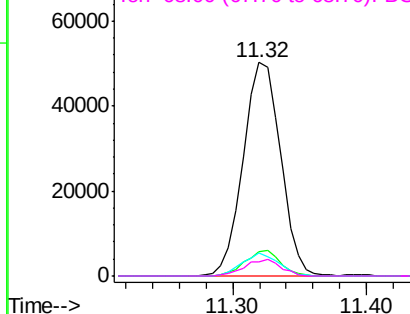
137 11.1 8.9 13.3

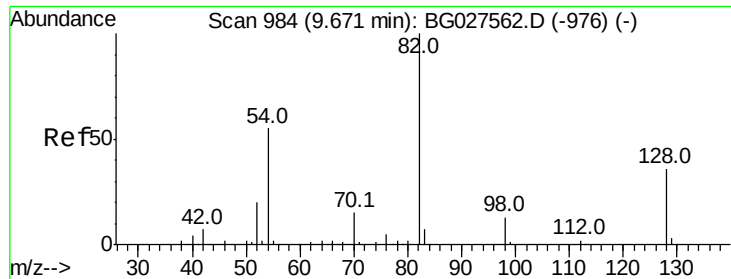
54 10.8 9.3 13.9

68 6.5 5.1 7.7



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

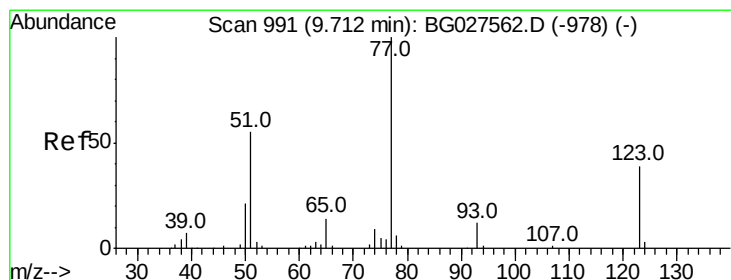
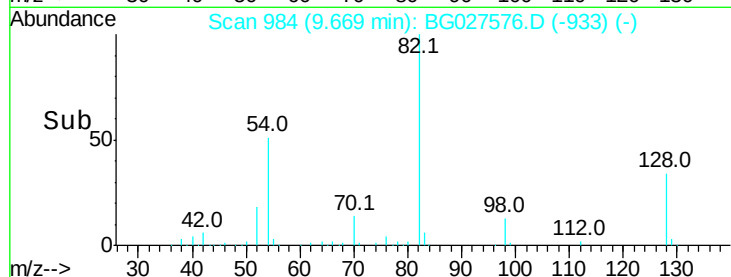
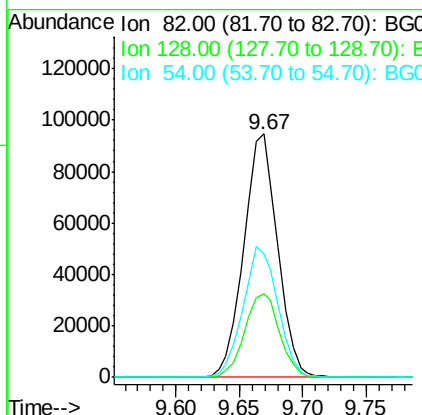
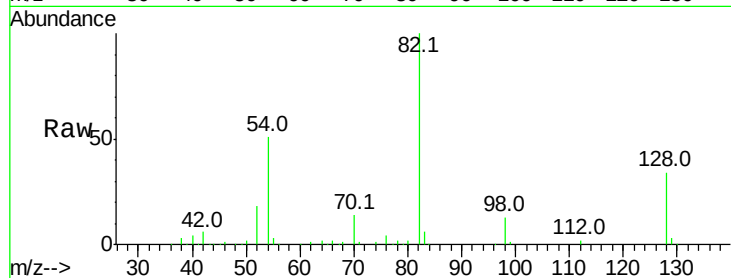




#23
Nitrobenzene-d5
Concen: 85.29 ng
RT: 9.67 min Scan# 984
Delta R.T. -0.00 min
Lab File: BG027576.D
Acq: 22 Jun 2017 1:22

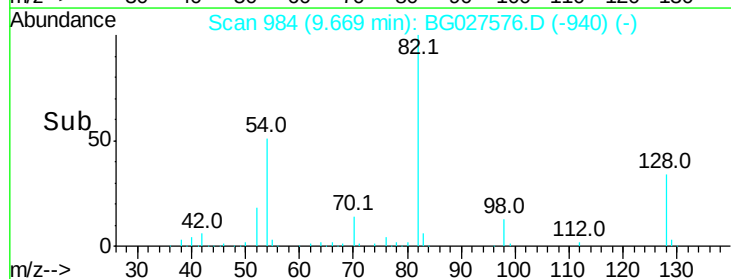
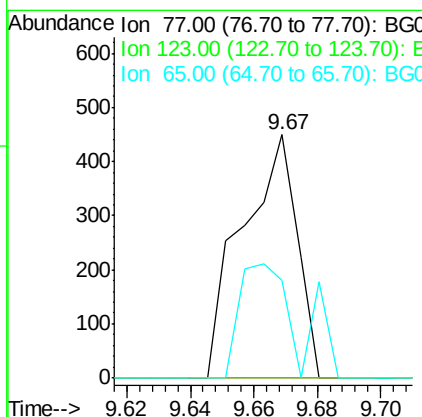
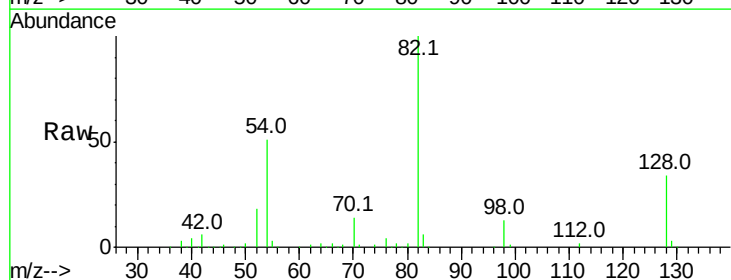
Instrument :
BNA_G
ClientSampled :

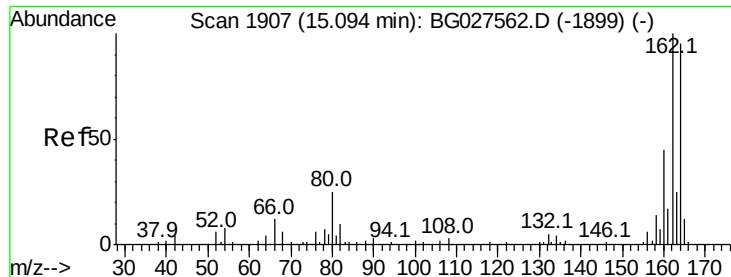
Tot Ion: 82 Resp: 175696
Ion Ratio Lower Upper
82 100
128 34.4 26.4 39.6
54 50.8 49.4 74.2



#24
Nitrobenzene
Concen: 0.24 ng
RT: 9.67 min Scan# 984
Delta R.T. -0.04 min
Lab File: BG027576.D
Acq: 22 Jun 2017 1:22

Tgt Ion: 77 Resp: 541
Ion Ratio Lower Upper
77 100
123 0.0 26.1 39.1#
65 40.0 12.4 18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.09 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Instrument :

BNA_G

ClientSampled :

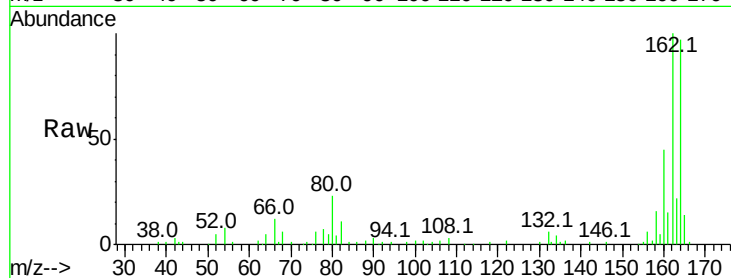
Tot Ion:164 Resp: 61485

Ion Ratio Lower Upper

164 100

162 102.9 85.1 127.7

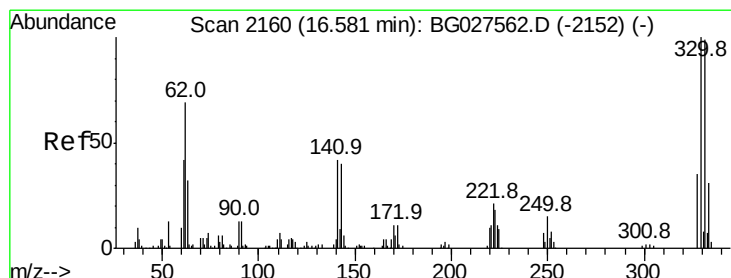
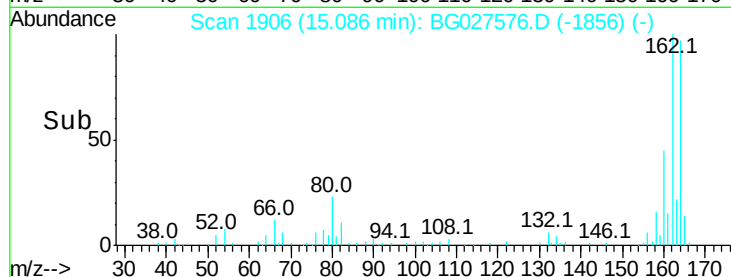
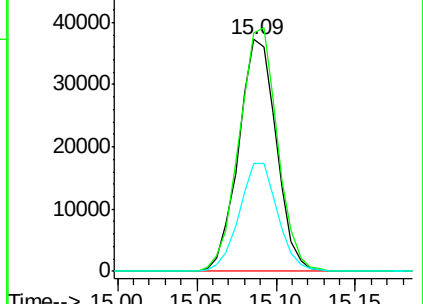
160 46.6 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 146.04 ng

RT: 16.57 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

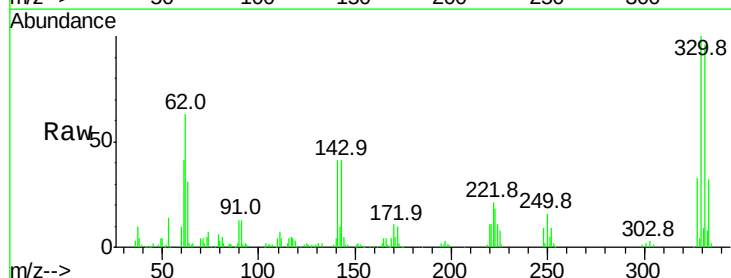
Tgt Ion:330 Resp: 133867

Ion Ratio Lower Upper

330 100

332 95.3 77.3 115.9

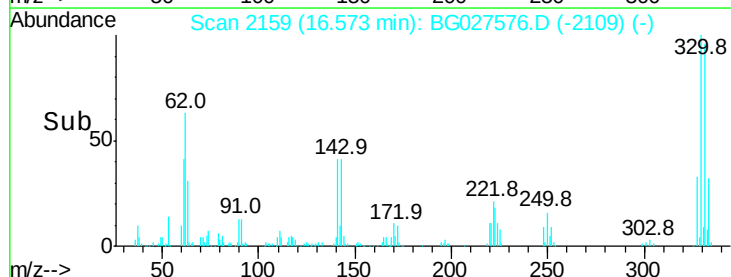
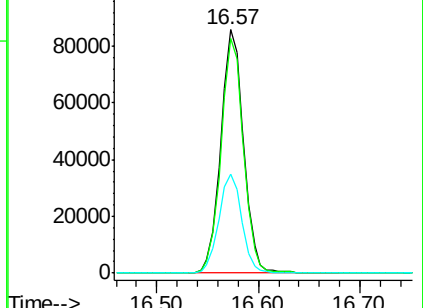
141 41.1 32.1 48.1

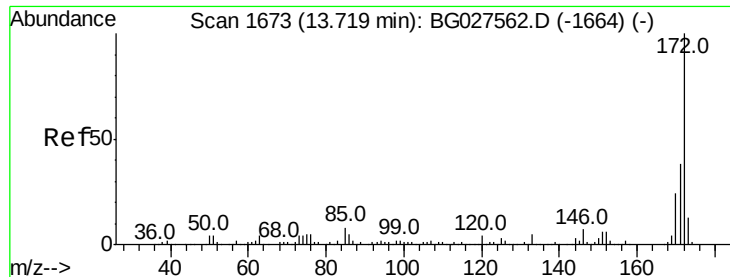


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

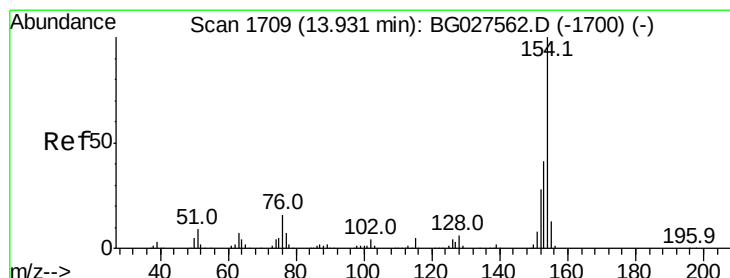
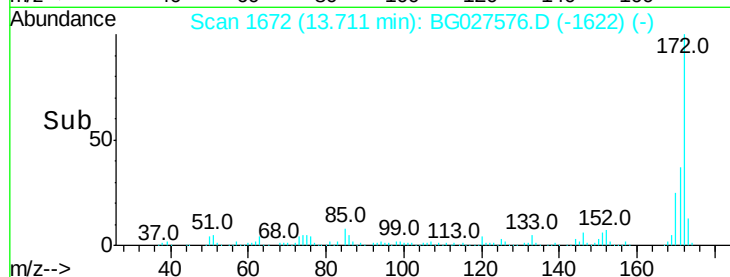
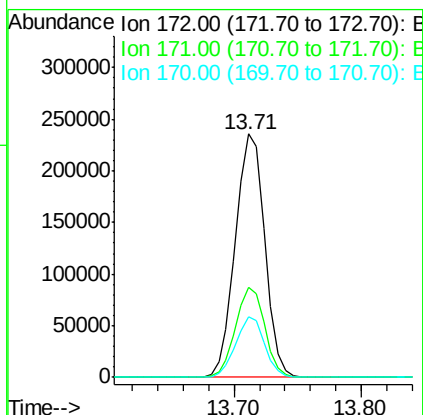
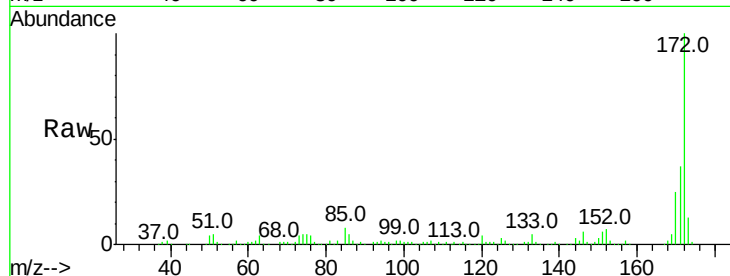




#44
2-Fluorobiphenyl
Concen: 84.07 ng
RT: 13.71 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BG027576.D
Acq: 22 Jun 2017 1:22

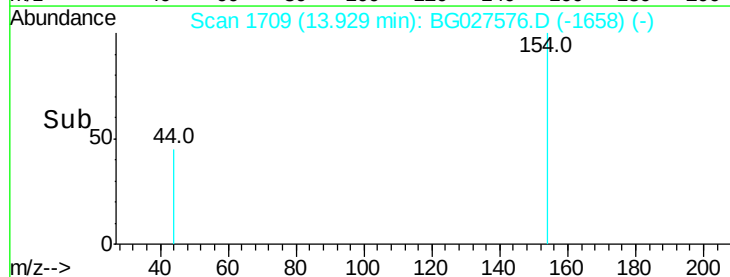
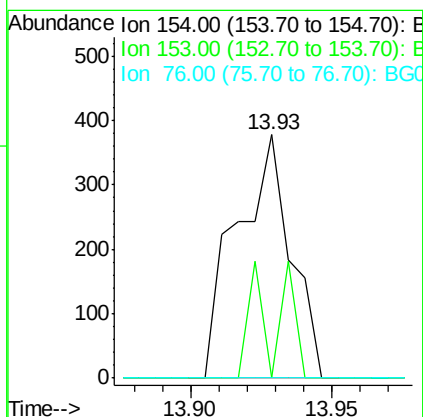
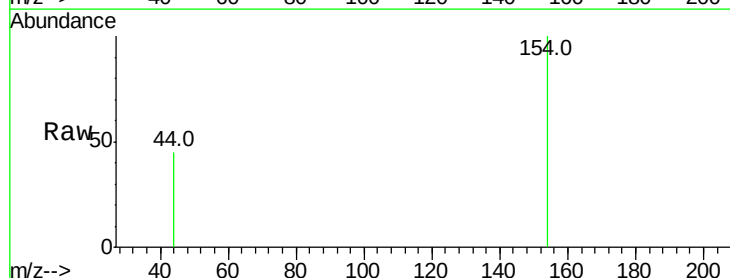
Instrument :
BNA_G
ClientSampleId :

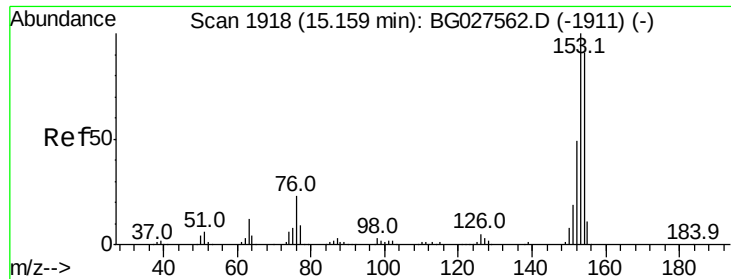
Tot Ion:172 Resp: 378398
Ion Ratio Lower Upper
172 100
171 36.9 32.2 48.2
170 24.7 21.8 32.6



#45
1,1'-Biphenyl
Concen: 0.10 ng
RT: 13.93 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BG027576.D
Acq: 22 Jun 2017 1:22

Tgt Ion:154 Resp: 503
Ion Ratio Lower Upper
154 100
153 0.0 23.0 63.0#
76 0.0 0.0 33.5





#51

Acenaphthene

Concen: 0.04 ng

RT: 15.10 min Scan# 1908

Delta R.T. -0.06 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Instrument :

BNA_G

ClientSampled :

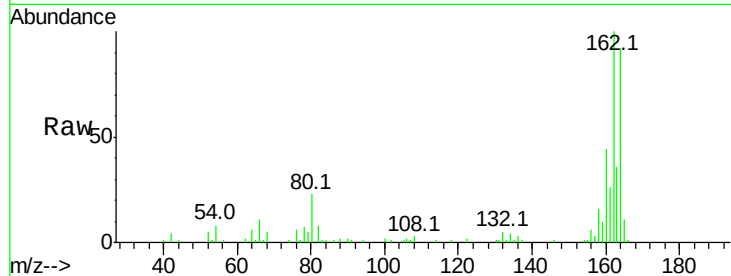
Tot Ion:154 Resp: 192

Ion Ratio Lower Upper

154 100

153 0.0 87.8 131.6#

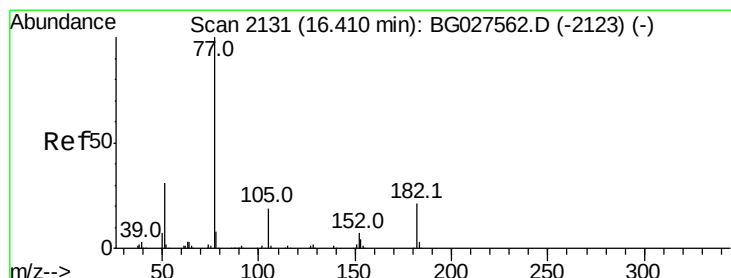
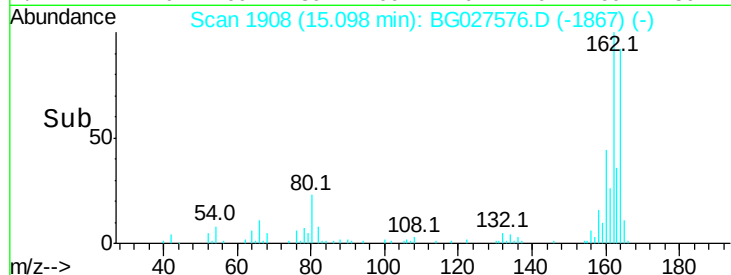
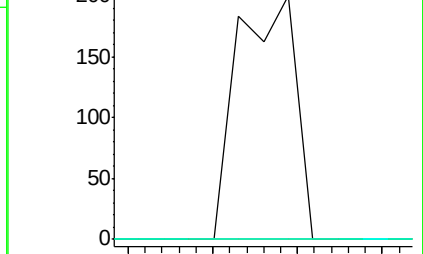
152 0.0 42.2 63.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#62

Azobenzene

Concen: 0.16 ng

RT: 16.58 min Scan# 2160

Delta R.T. 0.17 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Tgt Ion: 77 Resp: 958

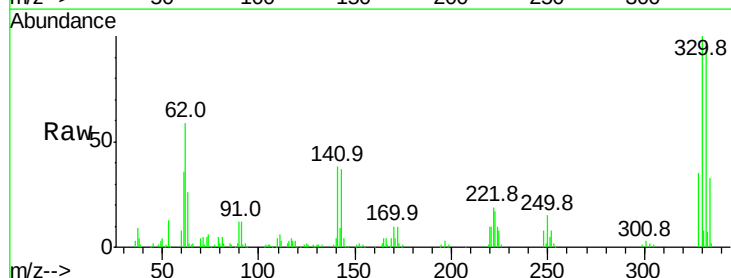
Ion Ratio Lower Upper

77 100

182 0.0 4.7 44.7#

105 70.4 0.0 36.3#

51 55.0 16.4 56.4

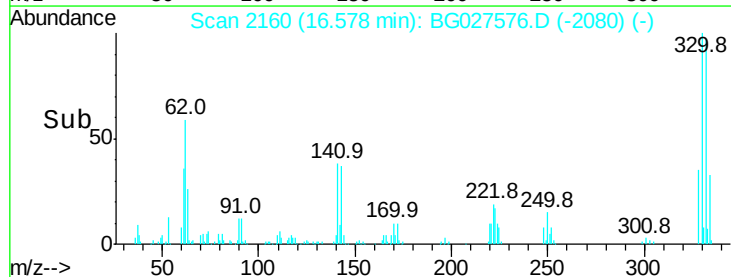
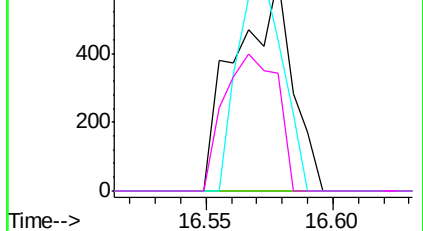


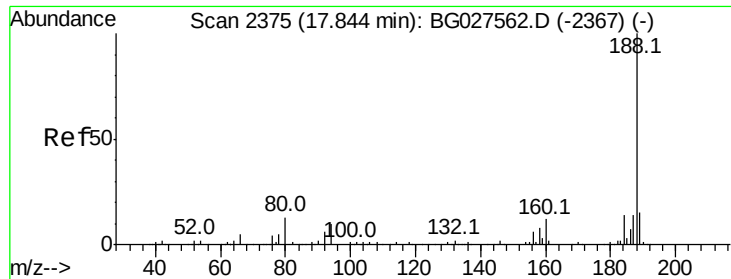
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.84 min Scan# 2374

Delta R.T. -0.01 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Instrument :

BNA_G

ClientSampleId :

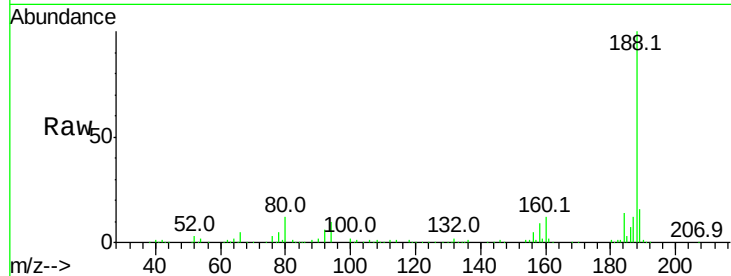
Tot Ion:188 Resp: 186177

Ion Ratio Lower Upper

188 100

94 9.8 5.8 8.8#

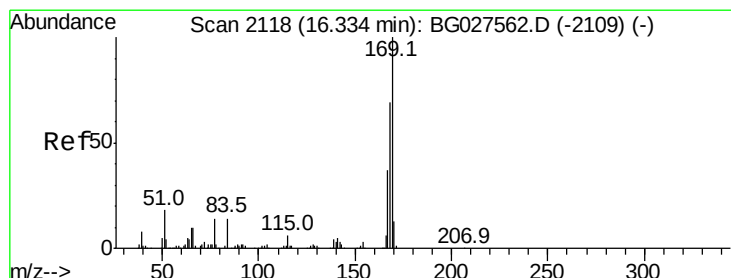
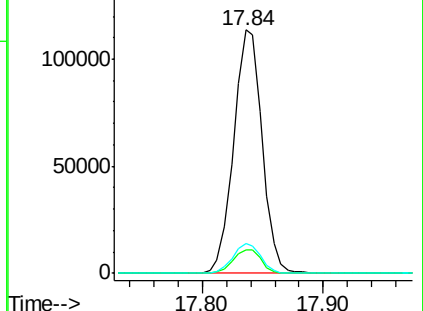
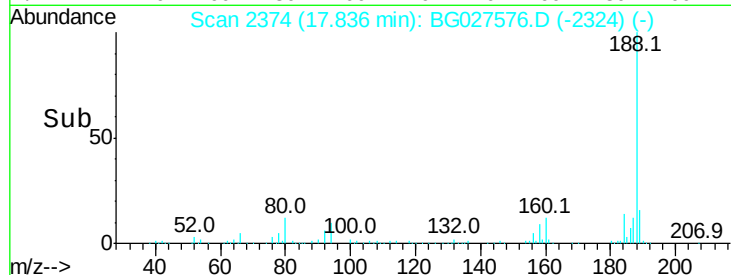
80 12.3 7.5 11.3#



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



#65

n-Nitrosodiphenylamine

Concen: 0.90 ng

RT: 16.57 min Scan# 2159

Delta R.T. 0.24 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

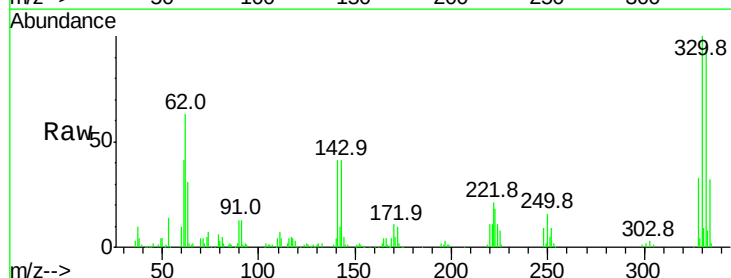
Tgt Ion:169 Resp: 5122

Ion Ratio Lower Upper

169 100

168 8.0 55.7 83.5#

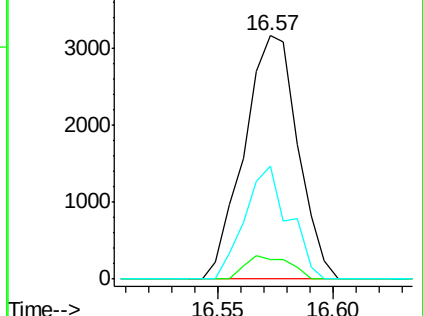
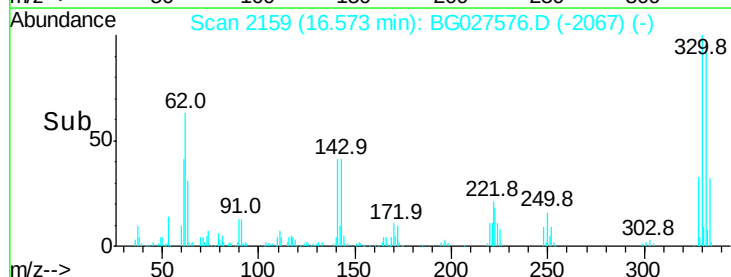
167 46.4 29.8 44.6#

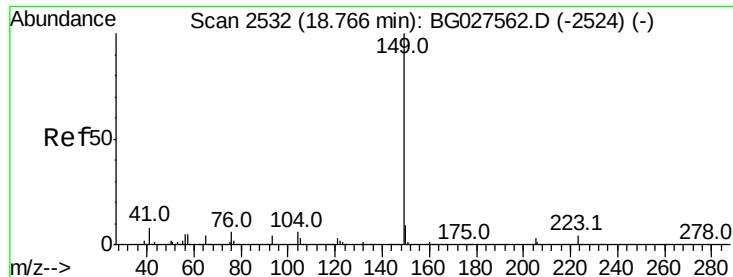


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

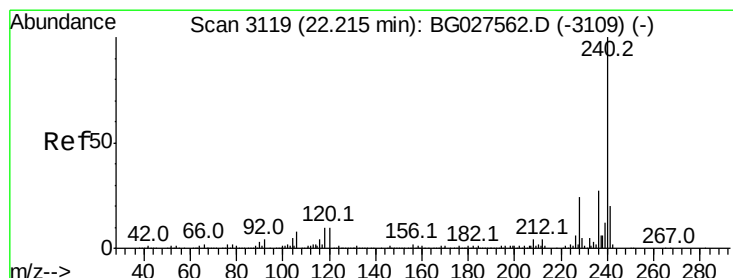
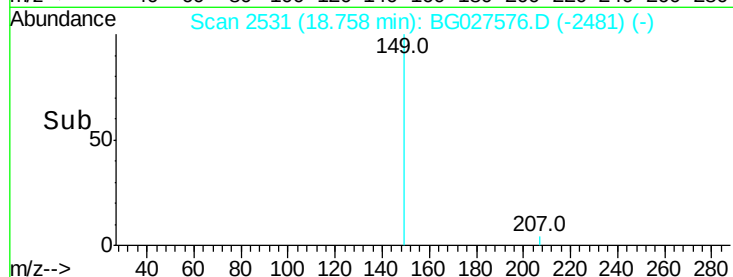
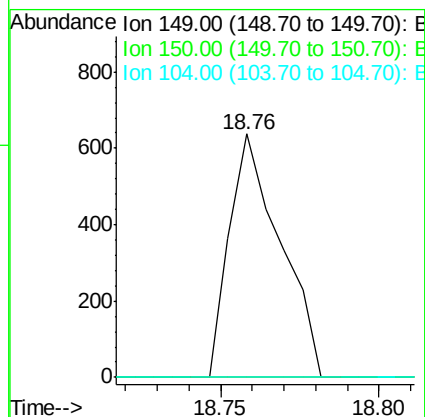
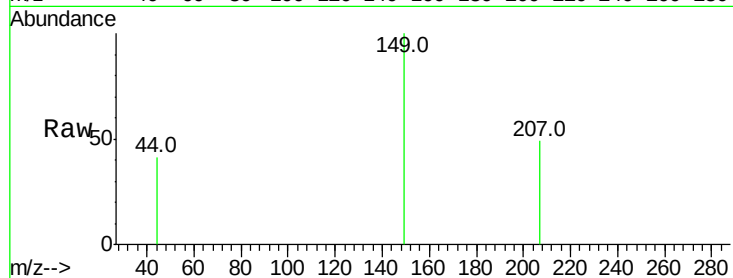




#73
Di-n-butylphthalate
Concen: 0.06 ng
RT: 18.76 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BG027576.D
Acq: 22 Jun 2017 1:22

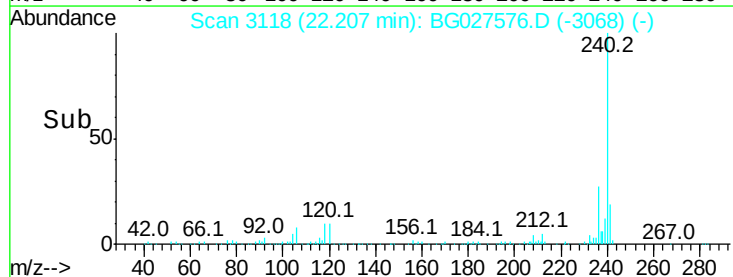
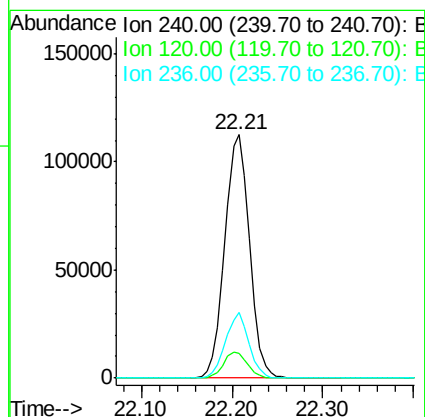
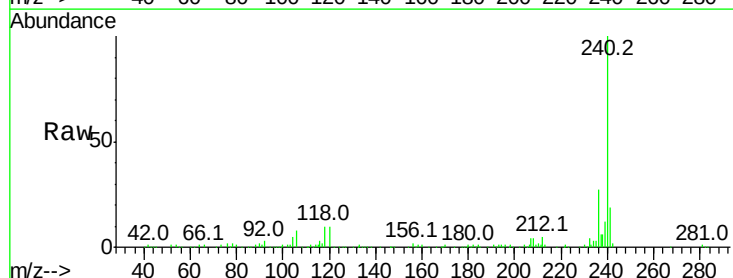
Instrument :
BNA_G
ClientSampleId :

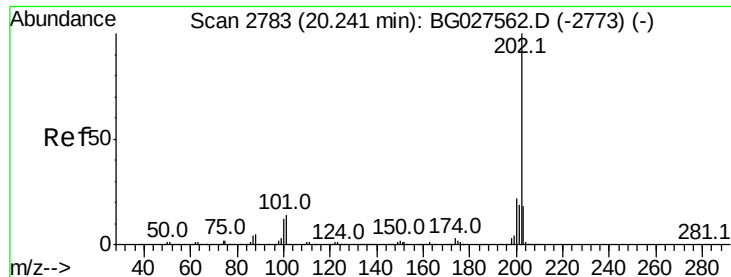
Tot Ion:149 Resp: 707
Ion Ratio Lower Upper
149 100
150 0.0 9.1 13.7#
104 0.0 6.7 10.1#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.21 min Scan# 3118
Delta R.T. -0.01 min
Lab File: BG027576.D
Acq: 22 Jun 2017 1:22

Tgt Ion:240 Resp: 213472
Ion Ratio Lower Upper
240 100
120 10.0 5.7 8.5#
236 26.8 22.2 33.4





#77

Pvrene

Concen: 0.28 ng

RT: 20.42 min Scan# 2813

Delta R.T. 0.17 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Instrument :

BNA_G

ClientSampleId :

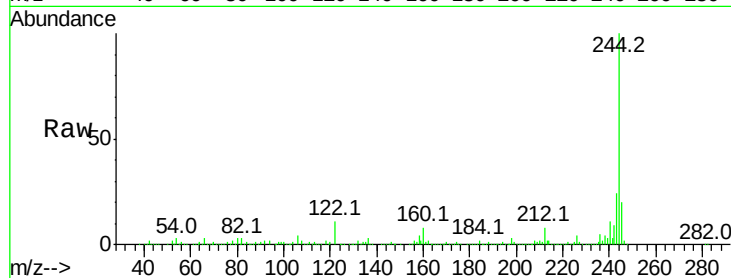
Tot Ion:202 Resp: 3576

Ion Ratio Lower Upper

202 100

200 49.3 19.6 29.4#

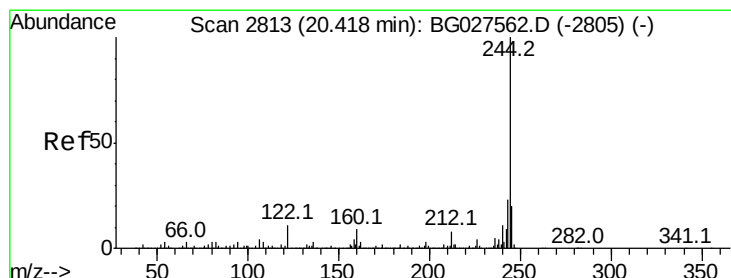
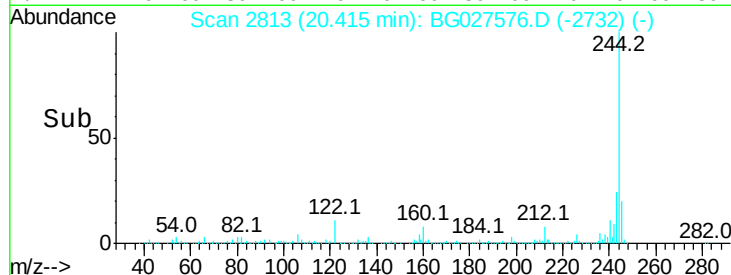
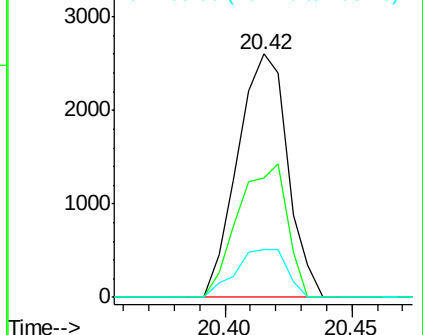
203 19.7 15.8 23.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 93.87 ng

RT: 20.42 min Scan# 2813

Delta R.T. -0.00 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

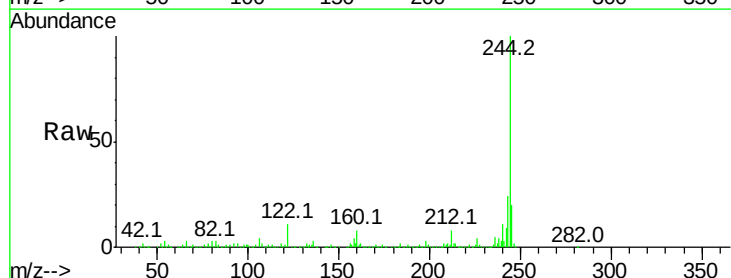
Tgt Ion:244 Resp: 850470

Ion Ratio Lower Upper

244 100

212 7.9 10.0 15.0#

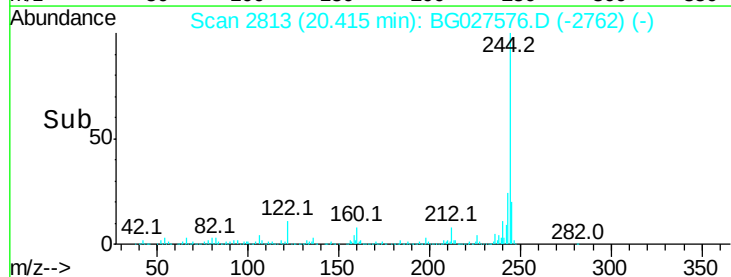
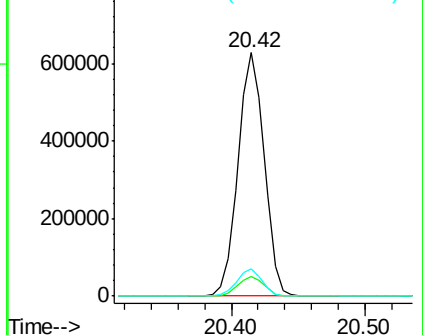
122 11.3 8.6 12.8

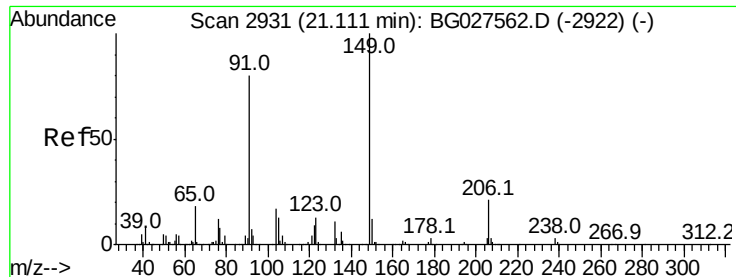


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.01 ng

RT: 21.00 min Scan# 2912

Delta R.T. -0.11 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Instrument :

BNA_G

ClientSampleId :

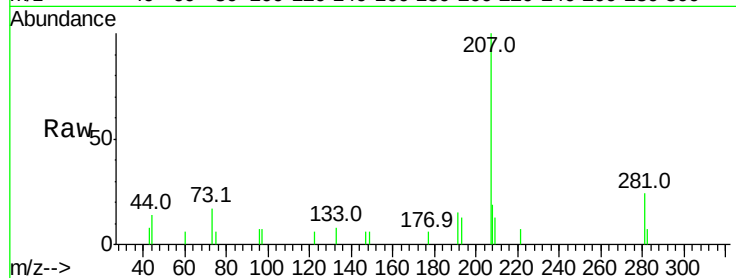
Tot Ion:149 Resp: 54

Ion Ratio Lower Upper

149 100

91 0.0 63.5 95.3#

206 0.0 21.0 31.6#



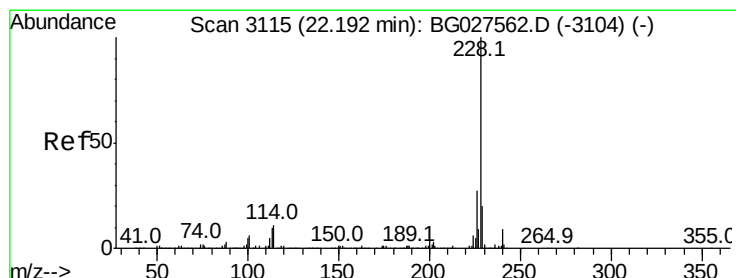
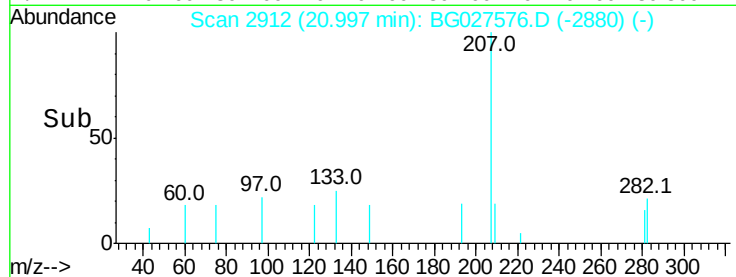
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

21.00

Time-->



#80

Benzo(a)anthracene

Concen: 0.04 ng

RT: 22.20 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

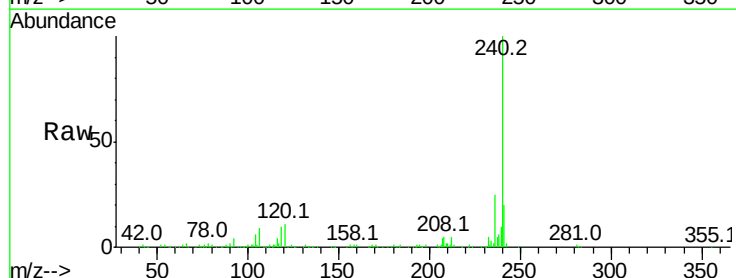
Tgt Ion:228 Resp: 563

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

229 0.0 18.2 27.2#



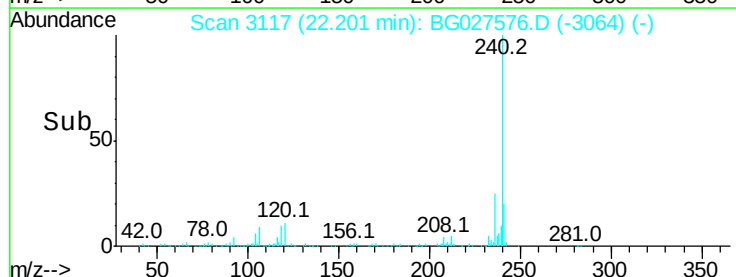
Abundance Ion 228.00 (227.70 to 228.70): E

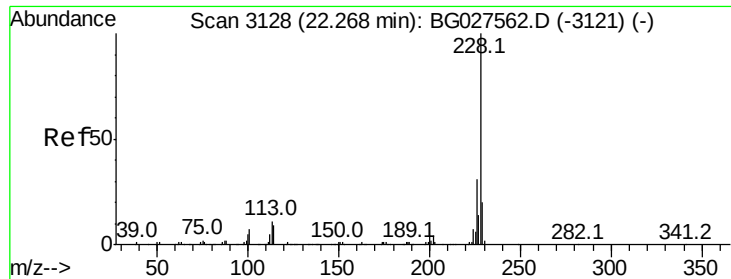
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

22.20

Time-->





#82

Chrysene

Concen: 0.05 ng

RT: 22.20 min Scan# 3117

Delta R.T. -0.07 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Instrument :

BNA_G

ClientSampled :

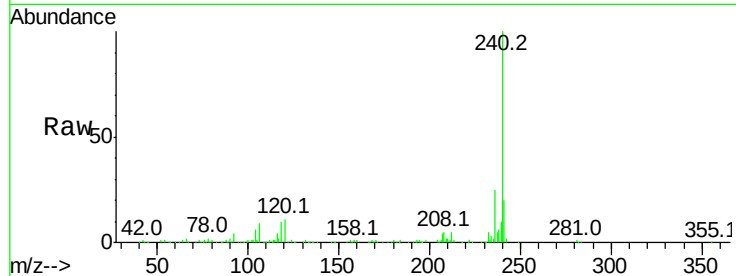
Tot Ion:228 Resp: 563

Ion Ratio Lower Upper

228 100

226 0.0 27.0 40.4#

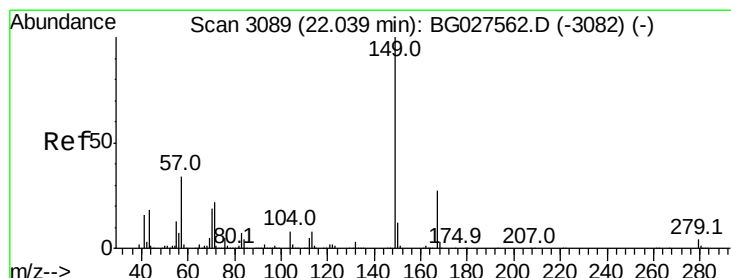
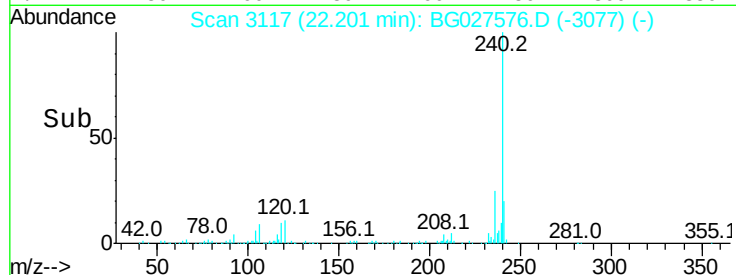
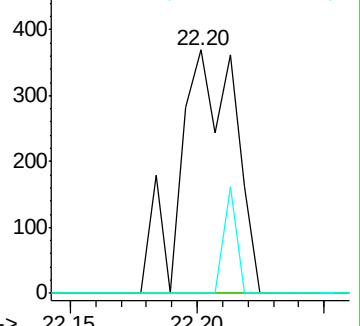
229 0.0 17.8 26.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.06 ng

RT: 22.03 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

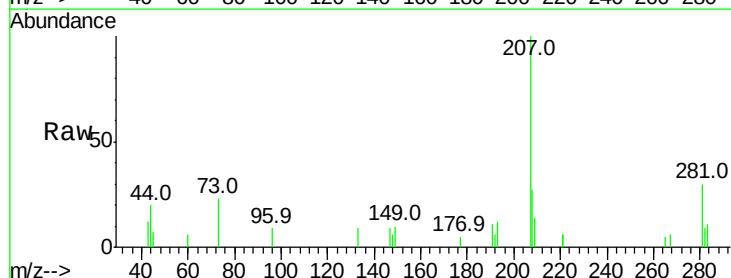
Tgt Ion:149 Resp: 468

Ion Ratio Lower Upper

149 100

167 0.0 23.7 35.5#

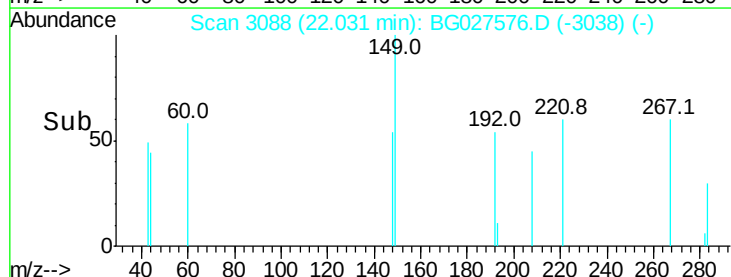
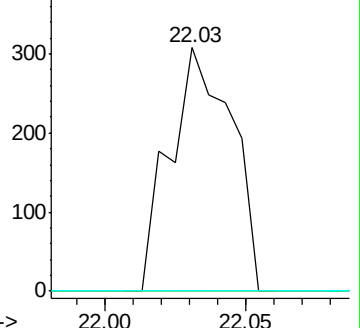
279 0.0 4.6 6.8#

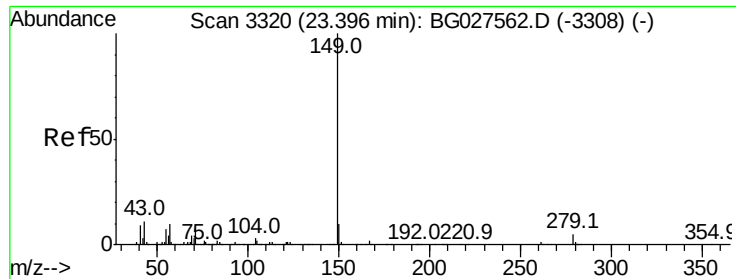


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

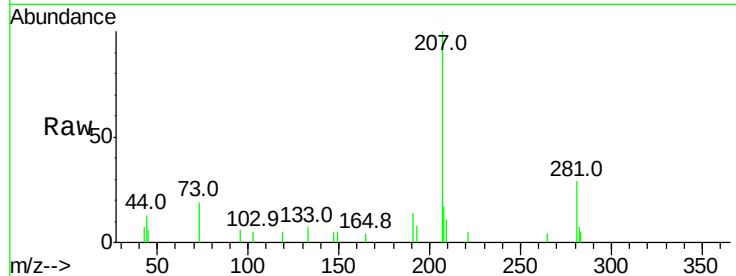




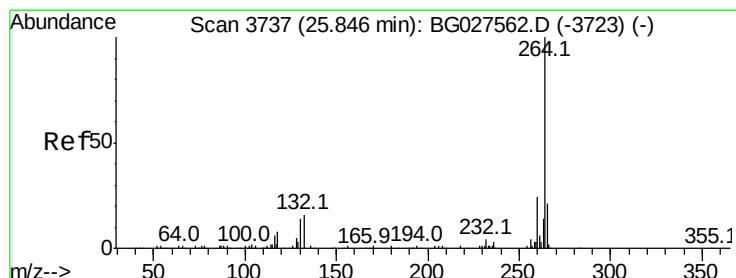
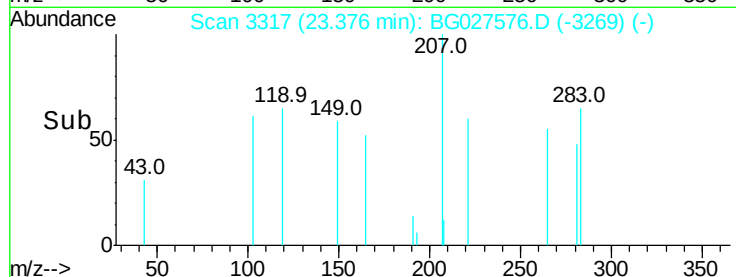
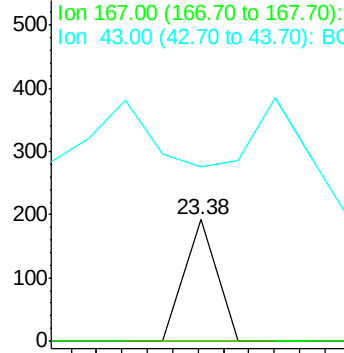
#84
Di-n-octyl phthalate
Concen: 0.01 ng
RT: 23.38 min Scan# 3317
Delta R.T. -0.02 min
Lab File: BG027576.D
Acq: 22 Jun 2017 1:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:149 Resp: 68
Ion Ratio Lower Upper
149 100
167 0.0 1.4 2.2#
43 0.0 11.8 17.6#

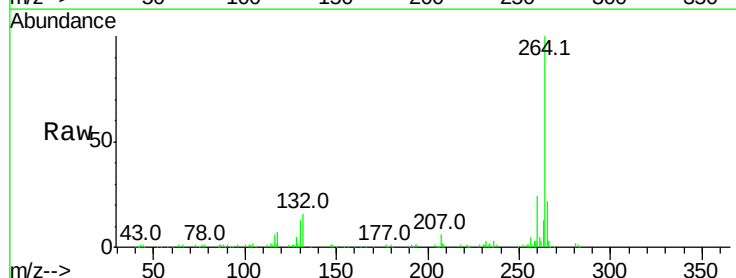


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

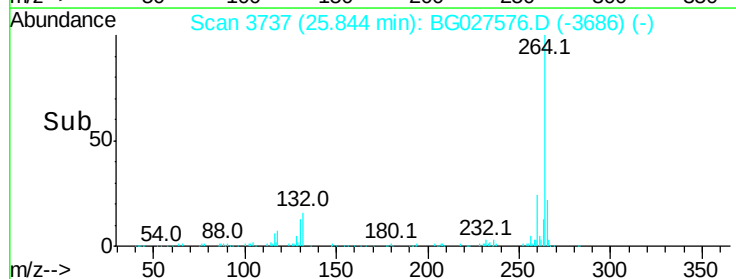
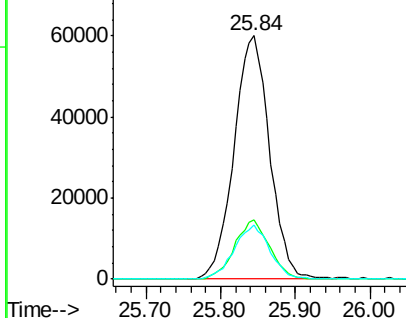


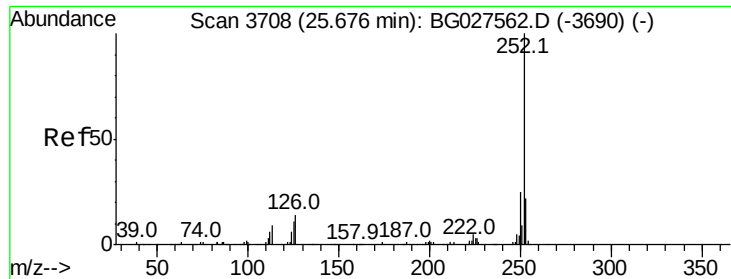
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.84 min Scan# 3737
Delta R.T. -0.00 min
Lab File: BG027576.D
Acq: 22 Jun 2017 1:22

Tgt Ion:264 Resp: 198601
Ion Ratio Lower Upper
264 100
260 24.2 21.8 32.8
265 22.2 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





#89

Benzo(a)pyrene

Concen: 0.05 ng

RT: 25.84 min Scan# 3736

Delta R.T. 0.16 min

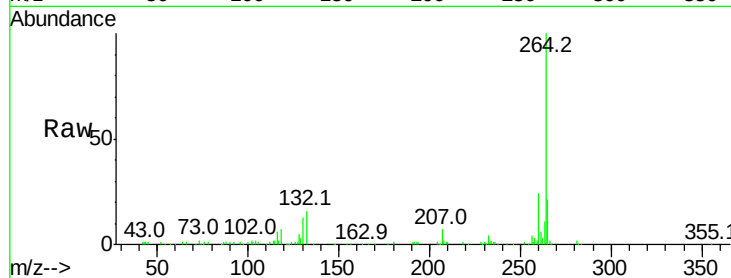
Lab File: BG027576.D

Acq: 22 Jun 2017 1:22

Instrument :

BNA_G

ClientSampleId :



Tot Ion:	252	Resp:	596
Ion	Ratio	Lower	Upper
252	100		
253	0.0	19.2	28.8#
125	0.0	5.4	8.0#

