

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091217\
 Data File : BG028684.D
 Acq On : 13 Sep 2017 00:27
 Operator : SJ/JU
 Sample : I5189-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-01-090817

Quant Time: Sep 13 04:08:31 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	24922	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	97792	20.00	ng	0.00
38) Acenaphthene-d10	14.94	164	76818	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	236224	20.00	ng	0.00
75) Chrysene-d12	22.03	240	275374	20.00	ng	0.00
86) Perylene-d12	25.52	264	281727	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.90	112	114087	75.54	ng	0.00
7) Phenol-d6	7.48	99	95121	41.83	ng	0.00
23) Nitrobenzene-d5	9.50	82	217767	106.53	ng	0.00
41) 2,4,6-Tribromophenol	16.43	330	244631	192.54	ng	0.00
44) 2-Fluorobiphenyl	13.56	172	579536	100.60	ng	0.00
78) Terphenyl-d14	20.28	244	1287129	99.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.85	88	256	0.419	ng	# 55
3) Pyridine	4.28	79	53	0.030	ng	# 1
4) n-Nitrosodimethylamine	4.06	42	155	0.195	ng	# 1
6) Aniline	7.85	93	87	0.033	ng	# 1
9) Benzaldehyde	7.48	77	81	0.057	ng	# 10
10) Phenol	7.45	94	67	0.028	ng	# 28
11) bis(2-Chloroethyl)ether	7.85	93	87	0.050	ng	# 1
15) Benzyl Alcohol	8.65	79	3389	1.909	ng	# 67
17) 2-Methylphenol	8.83	107	56	0.036	ng	# 9
20) 3+4-Methylphenols	8.90	107	55	0.025	ng	# 18
24) Nitrobenzene	9.50	77	842	0.372	ng	# 45
25) Isophorone	10.04	82	69	0.017	ng	# 67
30) 1,2,4-Trichlorobenzene	11.12	180	92	0.046	ng	# 12
31) Naphthalene	11.26	128	88	0.017	ng	# 67
45) 1,1'-Biphenyl	13.78	154	430	0.068	ng	# 37
46) 2-Chloronaphthalene	13.73	162	73	0.016	ng	# 38
49) Dimethylphthalate	14.34	163	59	0.009	ng	# 74
51) Acenaphthene	14.97	154	85	0.019	ng	# 6
59) Diethylphthalate	15.74	149	593	0.090	ng	# 51
62) Azobenzene	16.30	77	175	0.031	ng	# 66
65) n-Nitrosodiphenylamine	16.44	169	7434	1.098	ng	# 38
66) 4-Bromophenyl-phenylether	16.82	248	54	0.018	ng	# 8
68) Atrazine	17.18	200	79	0.027	ng	# 36
70) Phenanthrene	17.80	178	61	0.005	ng	# 56
71) Anthracene	17.80	178	61	0.005	ng	# 58
72) Carbazole	18.12	167	54	0.005	ng	# 55
73) Di-n-butylphthalate	18.62	149	1778	0.132	ng	# 59
74) Fluoranthene	19.70	202	54	0.004	ng	# 1
76) Benzdine	19.80	184	132	0.018	ng	# 1
77) Pyrene	20.28	202	4466	0.281	ng	# 59
79) Butylbenzylphthalate	20.94	149	253	0.039	ng	# 19
80) Benzo(a)anthracene	22.02	228	589	0.036	ng	# 66
81) 3,3'-Dichlorobenzidine	22.05	252	64	0.010	ng	# 24
82) Chrysene	22.02	228	589	0.037	ng	# 70

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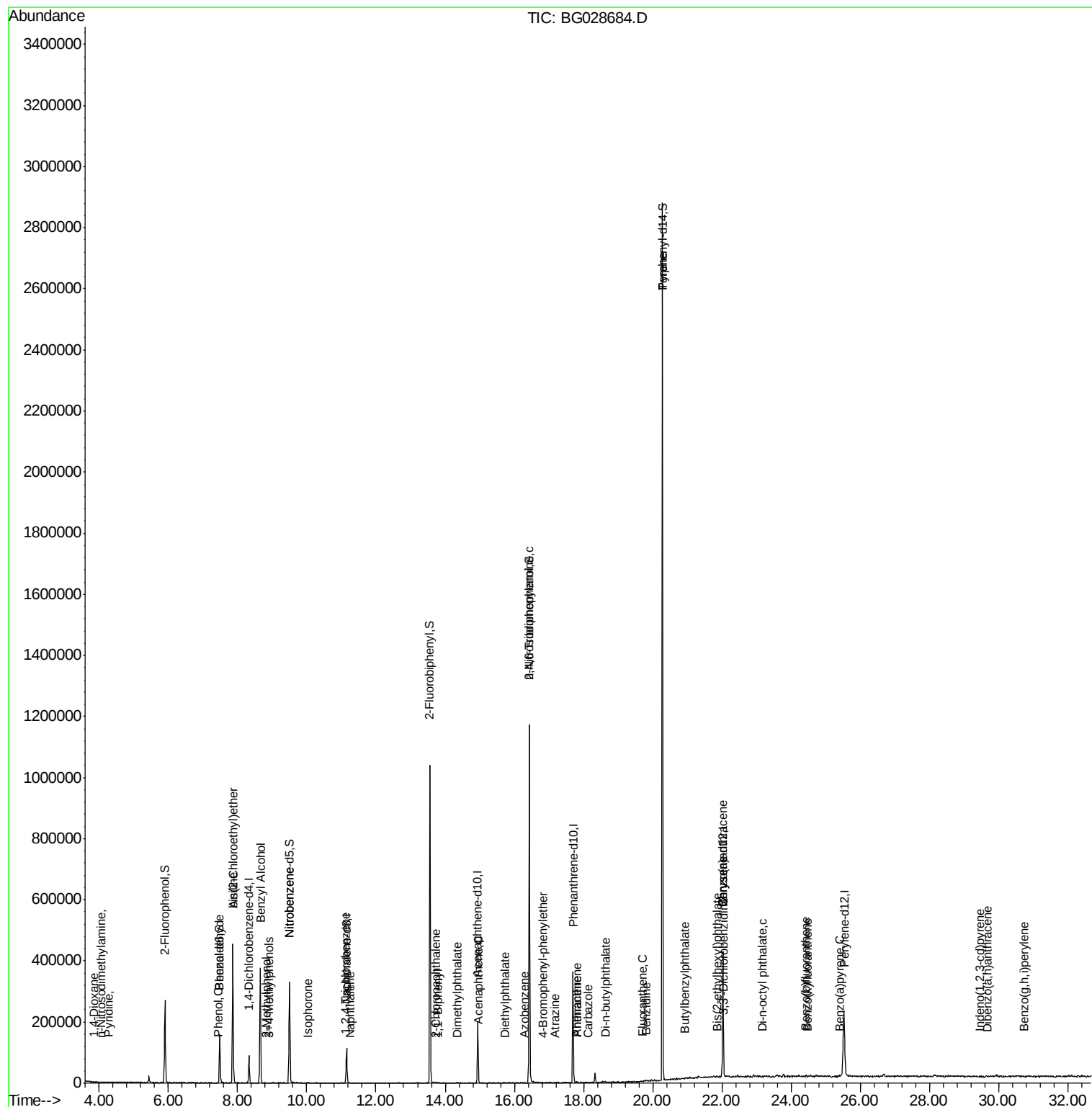
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Bis(2-ethylhexyl)phthalate	21.86	149	1868	0.205	ng	# 73
84) Di-n-octyl phthalate	23.15	149	167	0.010	ng	# 68
85) Indeno(1,2,3-cd)pyrene	29.45	276	54	0.003	ng	# 55
87) Benzo(b)fluoranthene	24.43	252	65	0.004	ng	# 58
88) Benzo(k)fluoranthene	24.47	252	56	0.003	ng	# 1
89) Benzo(a)pyrene	25.41	252	90	0.006	ng	# 58
90) Dibenzo(a,h)anthracene	29.66	278	72	0.004	ng	# 58
91) Benzo(a,h,i)perylene	30.72	276	67	0.004	ng	# 59

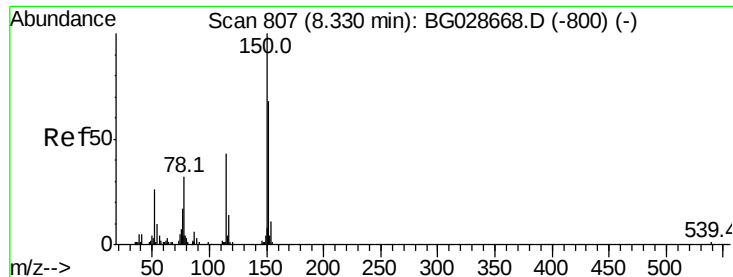
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.33 min Scan# 807

Delta R.T. -0.00 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

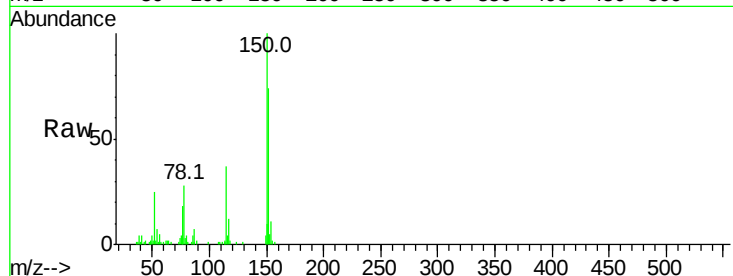
Tot Ion:152 Resp: 24922

Ion Ratio Lower Upper

152 100

150 135.8 114.0 171.0

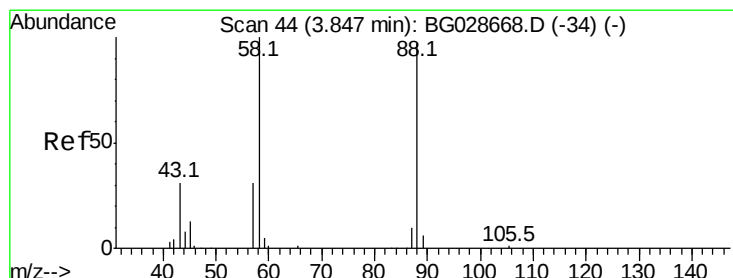
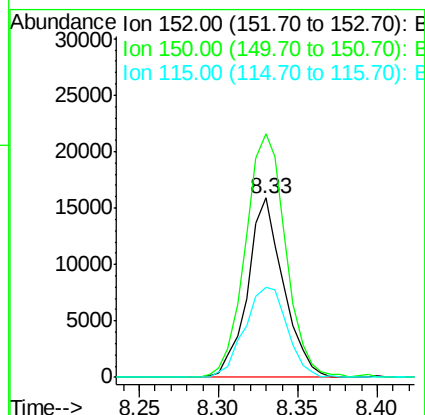
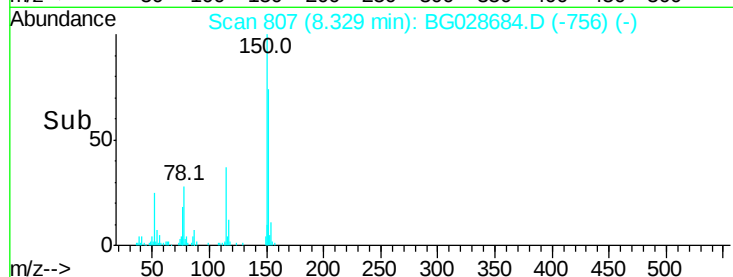
115 50.2 48.1 72.1



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: 0.419 ng

RT: 3.85 min Scan# 45

Delta R.T. 0.01 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

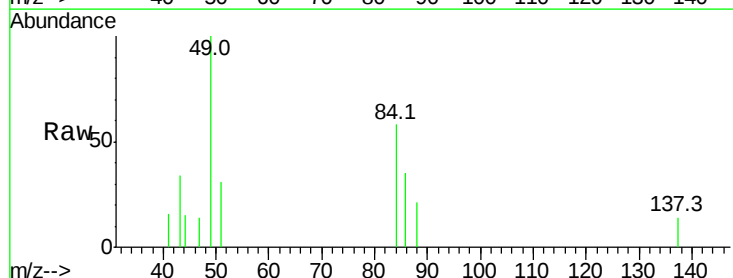
Tgt Ion: 88 Resp: 256

Ion Ratio Lower Upper

88 100

58 63.3 79.4 119.2#

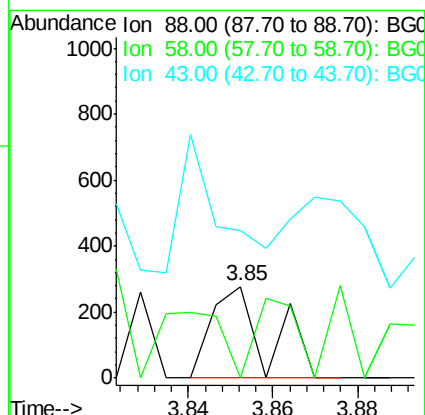
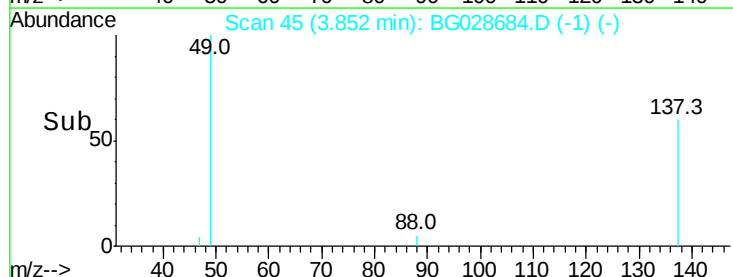
43 0.0 33.8 50.6#

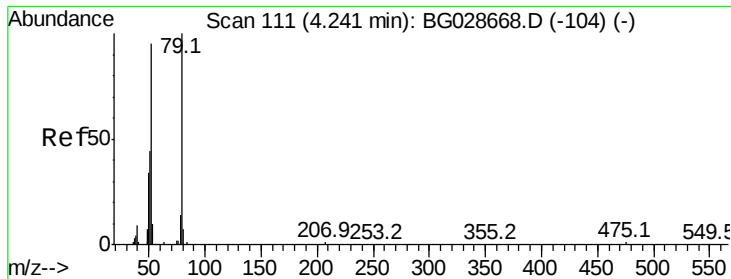


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.030 ng

RT: 4.28 min Scan# 117

Delta R.T. 0.03 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

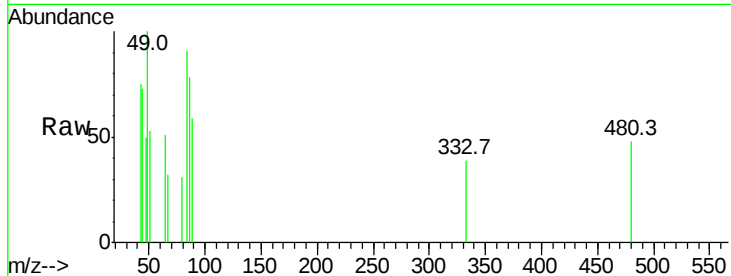
Tot Ion: 79 Resp: 53

Ion Ratio Lower Upper

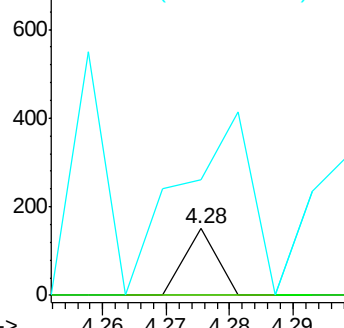
79 100

52 0.0 77.8 116.6#

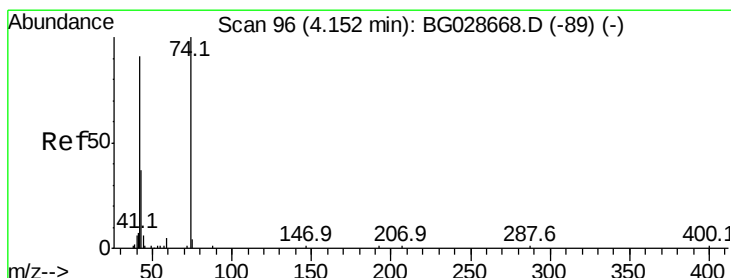
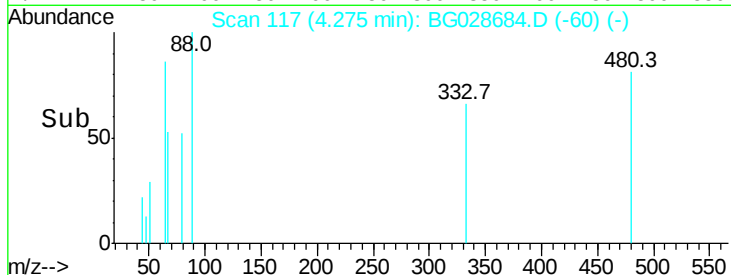
51 172.2 43.2 64.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



Time-->



#4

n-Nitrosodimethylamine

Concen: 0.195 ng

RT: 4.06 min Scan# 81

Delta R.T. -0.09 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

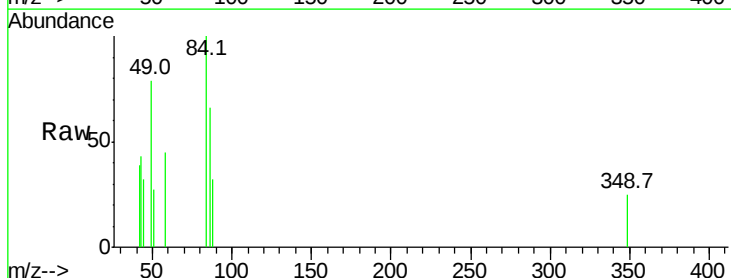
Tgt Ion: 42 Resp: 155

Ion Ratio Lower Upper

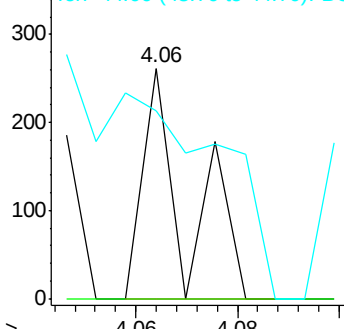
42 100

74 0.0 76.7 115.1#

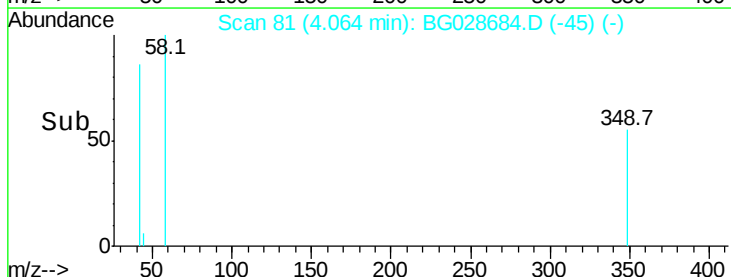
44 81.7 6.1 9.1#

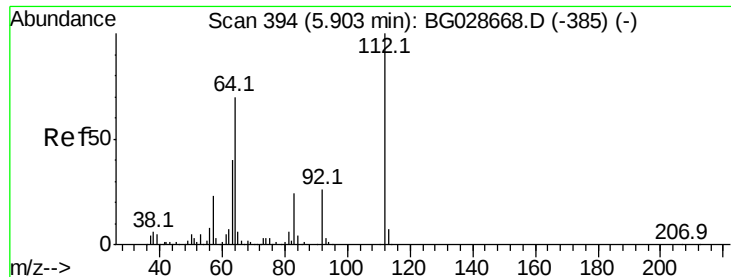


Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



Time-->





#5

2-Fluorophenol

Concen: 75.535 ng

RT: 5.90 min Scan# 394

Delta R.T. -0.00 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

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ClientSampleId :

DUP-01-090817

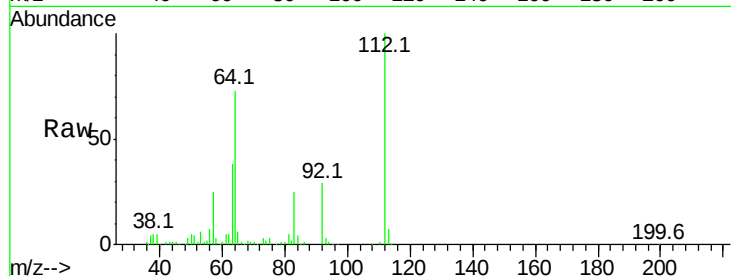
Tot Ion:112 Resp: 114087

Ion Ratio Lower Upper

112 100

64 72.6 61.8 92.6

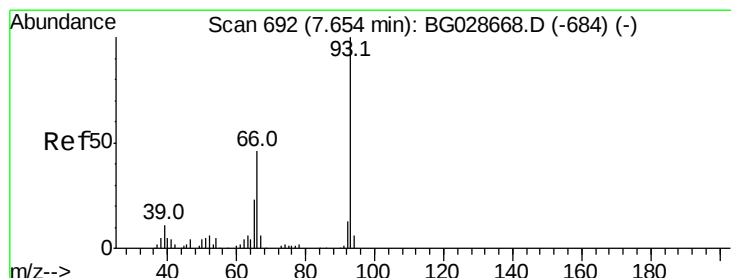
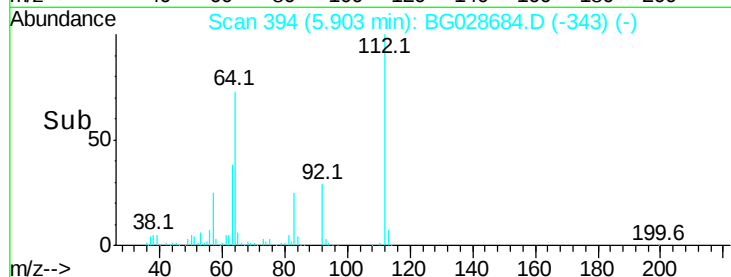
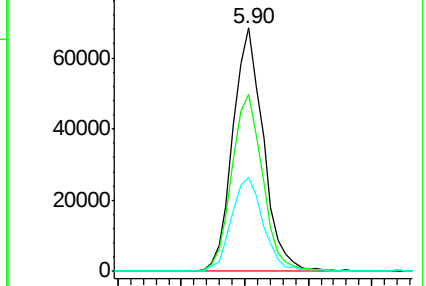
63 38.4 37.2 55.8



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: 0.033 ng

RT: 7.85 min Scan# 726

Delta R.T. 0.20 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

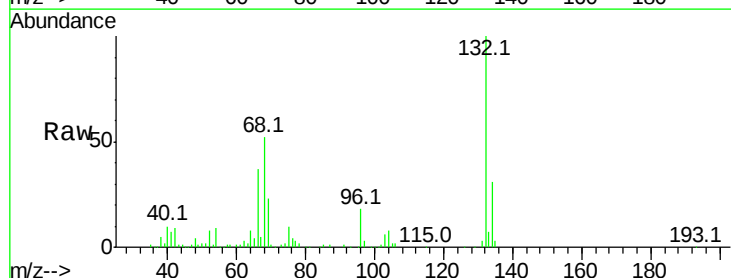
Tgt Ion: 93 Resp: 87

Ion Ratio Lower Upper

93 100

66 11483.9 35.4 53.2#

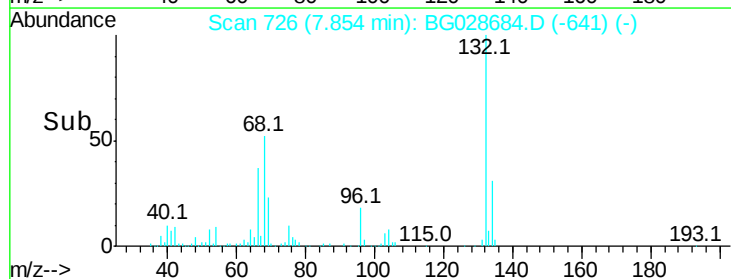
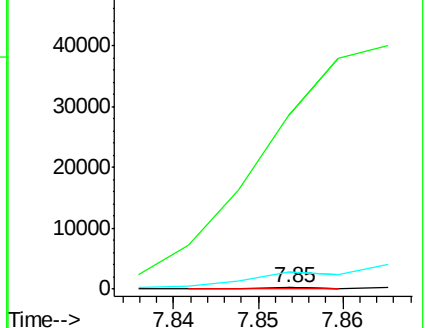
65 1132.3 21.2 31.8#

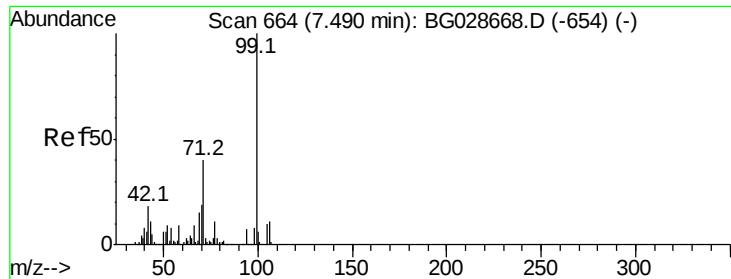


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 41.829 ng

RT: 7.48 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

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ClientSampleId :

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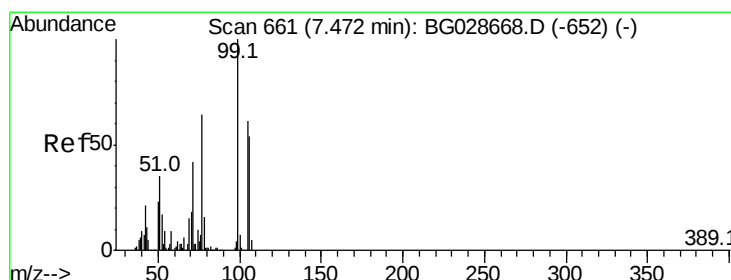
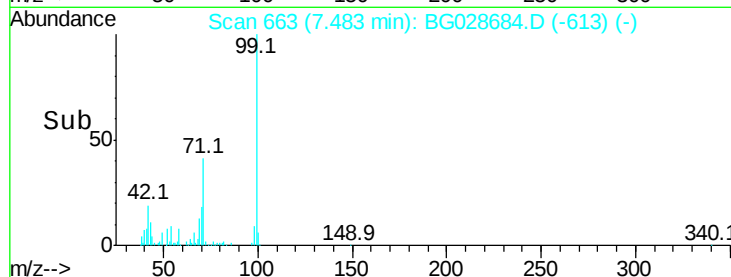
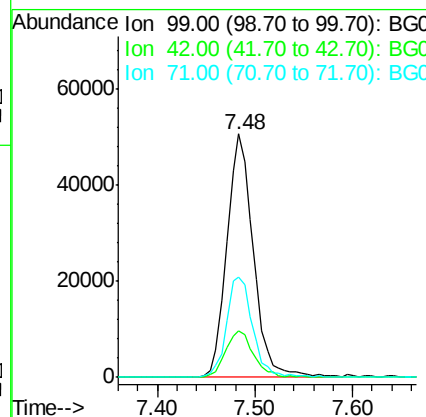
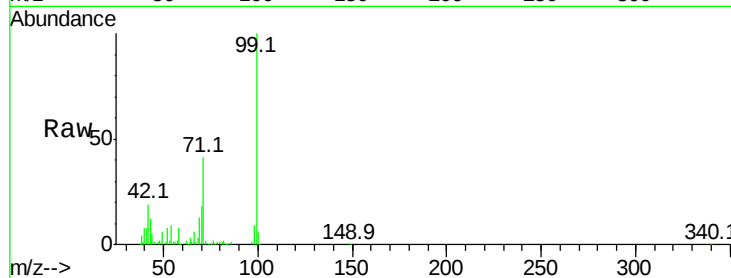
Tot Ion: 99 Resp: 95121

Ion Ratio Lower Upper

99 100

42 19.1 20.5 30.7#

71 41.3 37.6 56.4



#9

Benzaldehyde

Concen: 0.057 ng

RT: 7.48 min Scan# 663

Delta R.T. 0.01 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

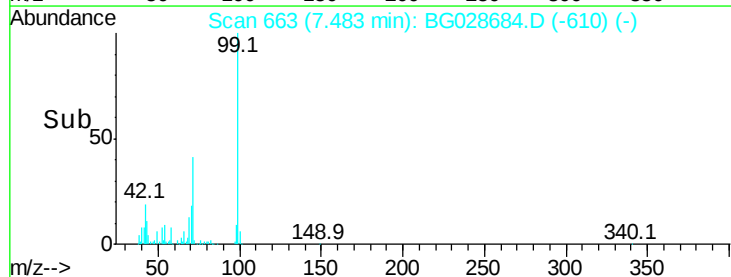
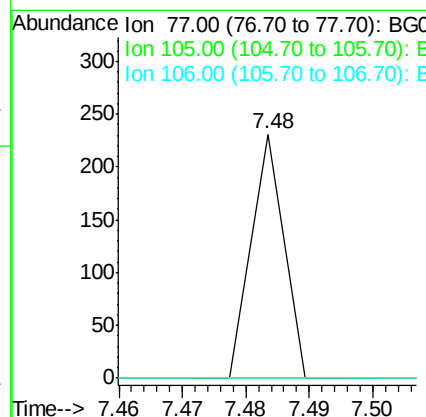
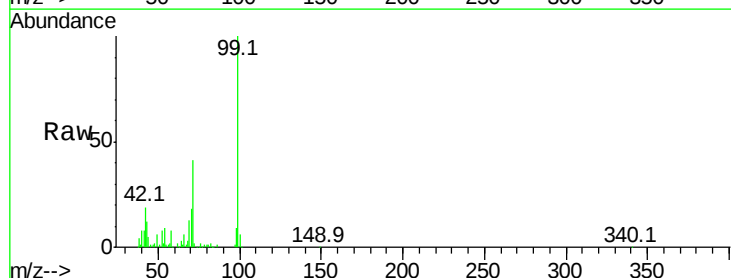
Tgt Ion: 77 Resp: 81

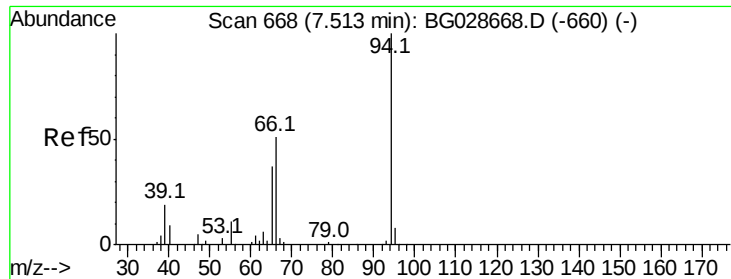
Ion Ratio Lower Upper

77 100

105 0.0 60.9 100.9#

106 0.0 55.1 95.1#





#10

Phenol

Concen: 0.028 ng

RT: 7.45 min Scan# 657

Delta R.T. -0.07 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

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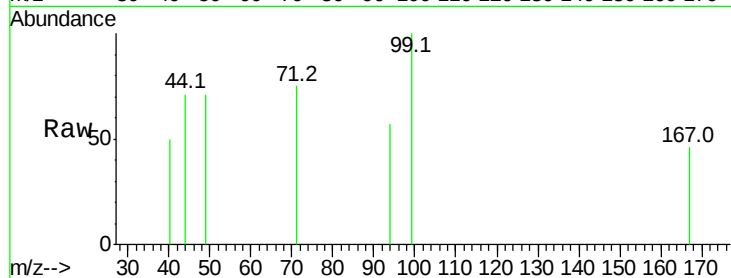
Tot Ion: 94 Resp: 67

Ion Ratio Lower Upper

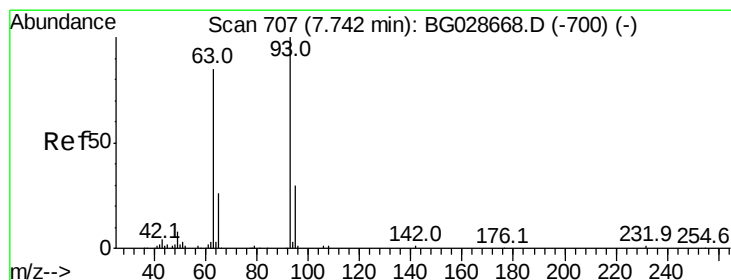
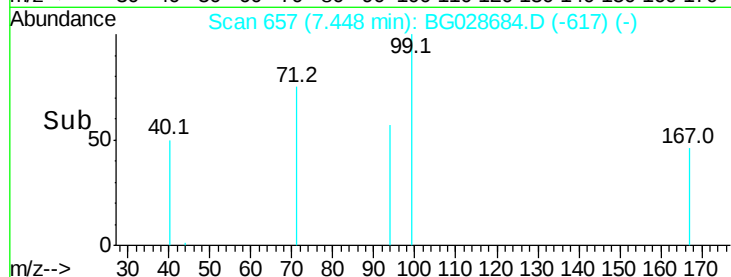
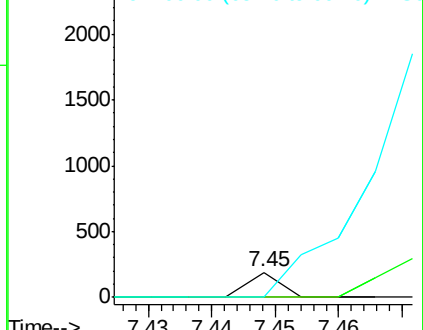
94 100

65 0.0 20.6 60.6#

66 0.0 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: 0.050 ng

RT: 7.85 min Scan# 726

Delta R.T. 0.11 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

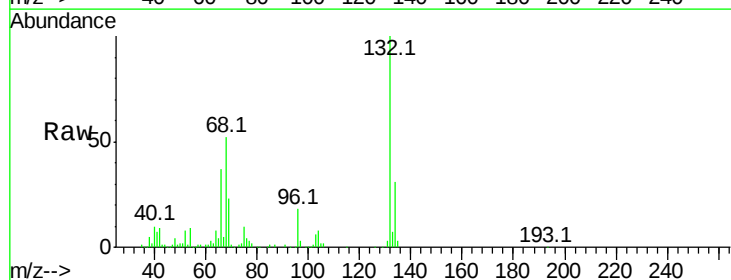
Tgt Ion: 93 Resp: 87

Ion Ratio Lower Upper

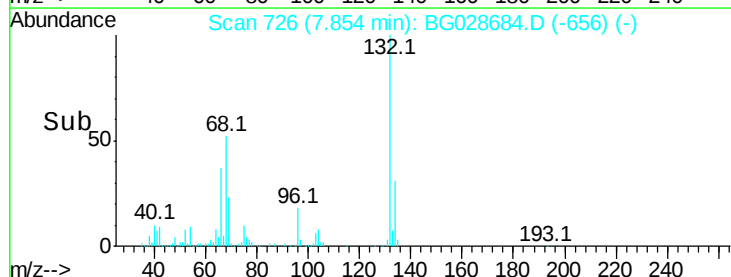
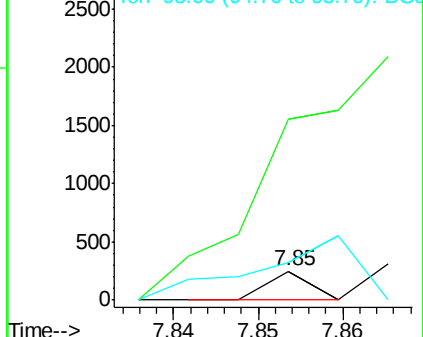
93 100

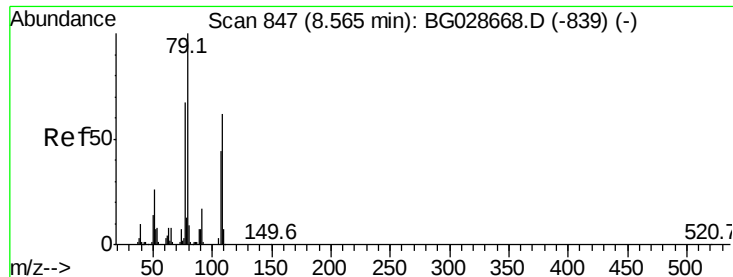
63 628.2 78.5 118.5#

95 129.4 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: 1.909 ng

RT: 8.65 min Scan# 862

Delta R.T. 0.09 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

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BNA_G

ClientSampleId :

DUP-01-090817

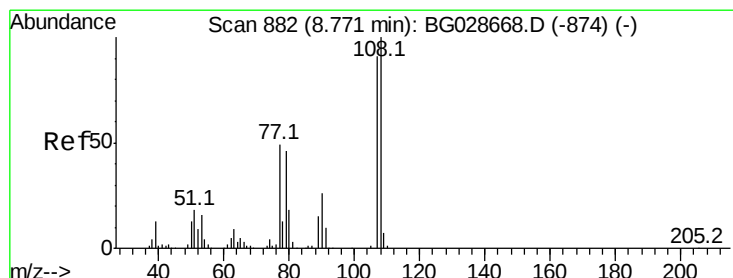
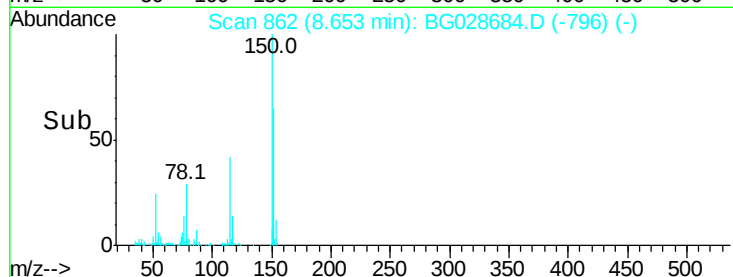
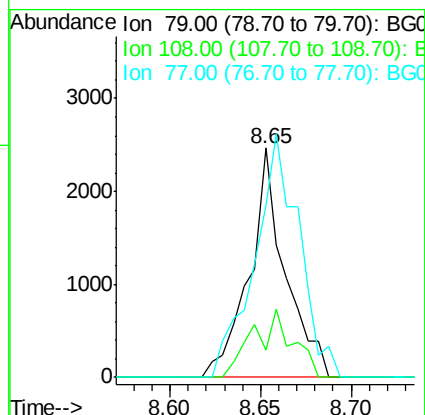
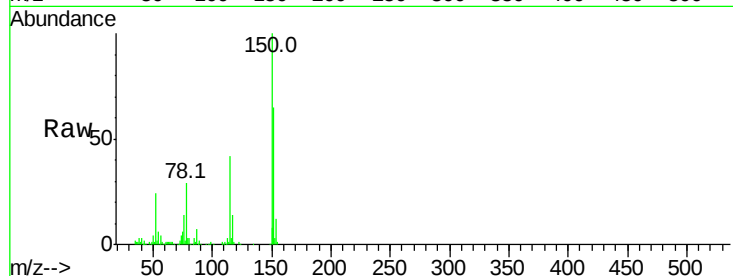
Tot Ion: 79 Resp: 3389

Ion Ratio Lower Upper

79 100

108 12.2 45.5 68.3#

77 75.0 54.3 81.5



#17

2-Methylphenol

Concen: 0.036 ng

RT: 8.83 min Scan# 892

Delta R.T. 0.06 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Tgt Ion: 107 Resp: 56

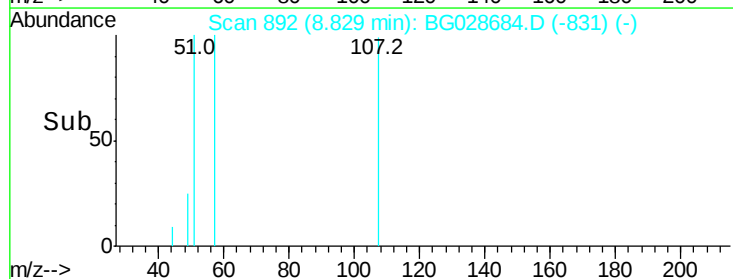
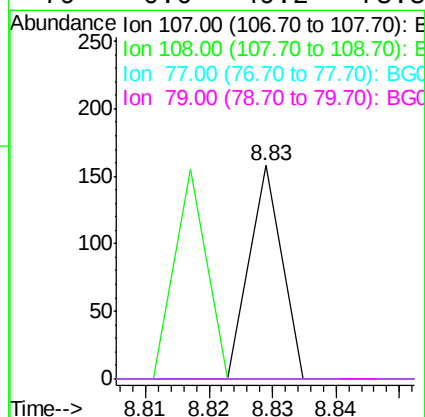
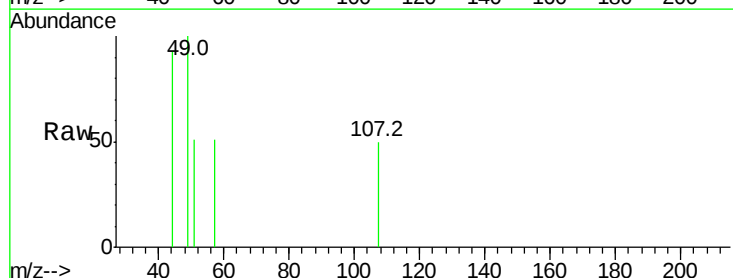
Ion Ratio Lower Upper

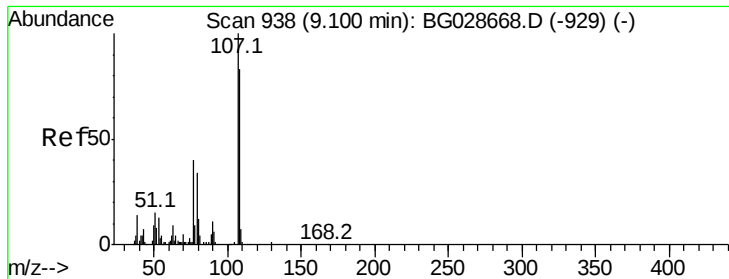
107 100

108 0.0 85.6 128.4#

77 0.0 51.4 77.2#

79 0.0 49.2 73.8#





#20

3+4-Methylphenols

Concen: 0.025 ng

RT: 8.90 min Scan# 904

Delta R.T. -0.20 min

Lab File: BG028684.D

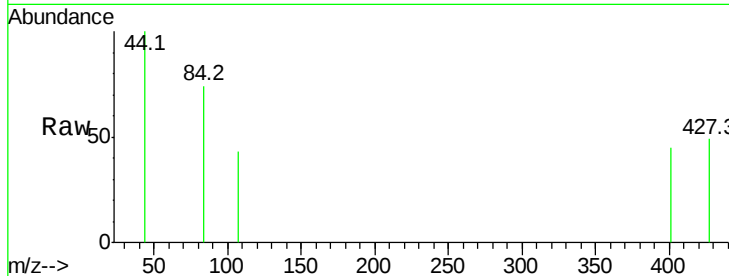
Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817



Tot Ion:107 Resp: 55

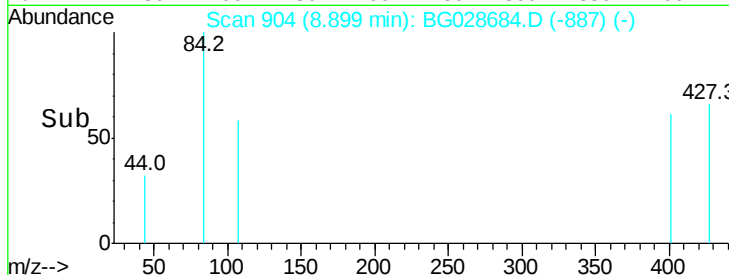
Ion Ratio Lower Upper

107 100

108 0.0 70.8 110.8#

77 0.0 25.8 65.8#

79 0.0 20.1 60.1#

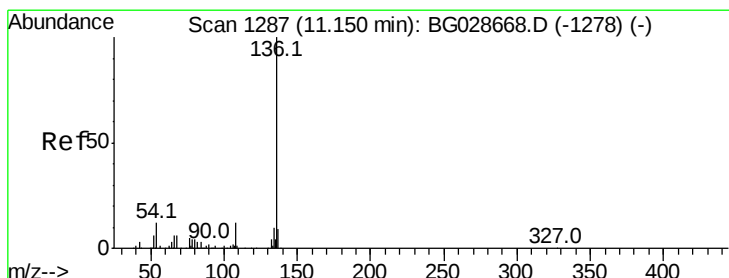
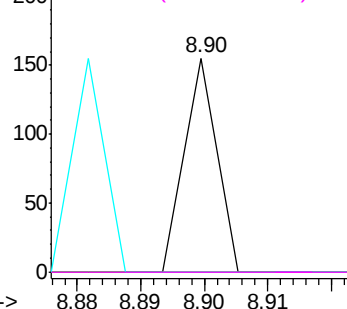


Abundance Ion 107.00 (106.70 to 107.70): E

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: 20.000 ng

RT: 11.15 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Tgt Ion:136 Resp: 97792

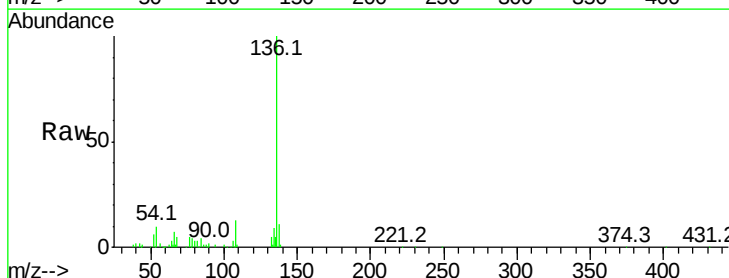
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.9 9.3 13.9

68 4.6 5.1 7.7#

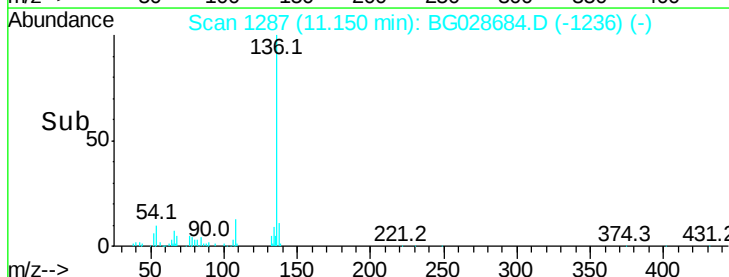
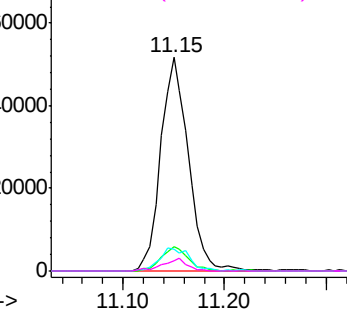


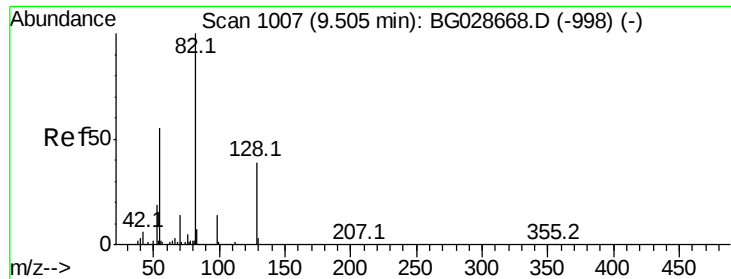
Abundance Ion 136.00 (135.70 to 136.70): E

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

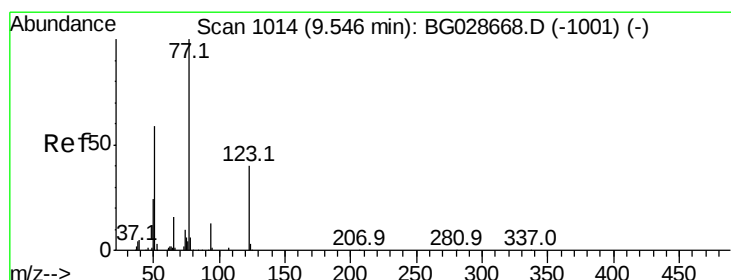
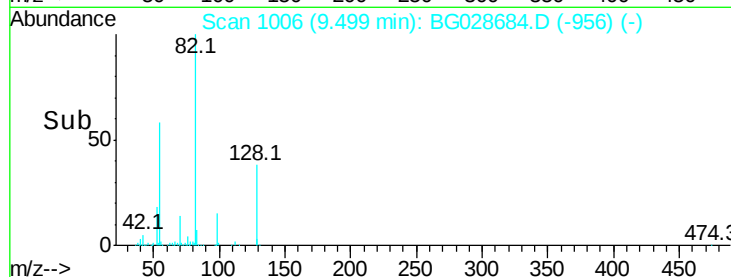
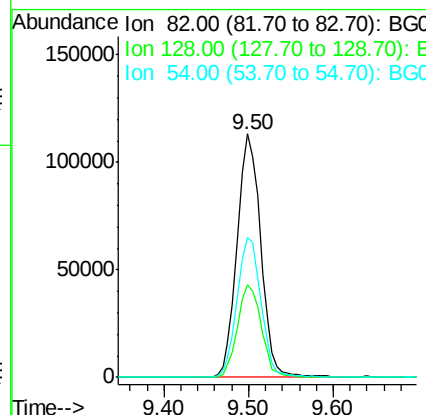
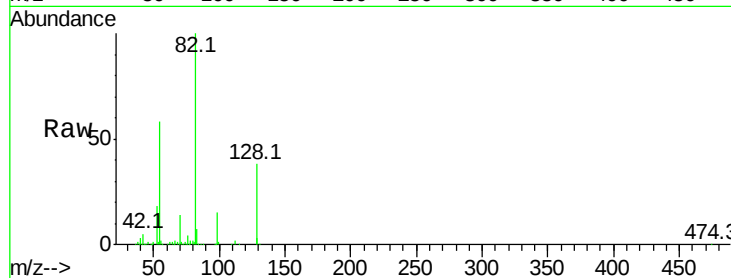




#23
 Nitrobenzene-d5
 Concen: 106.526 ng
 RT: 9.50 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BG028684.D
 Acq: 13 Sep 2017 00:27

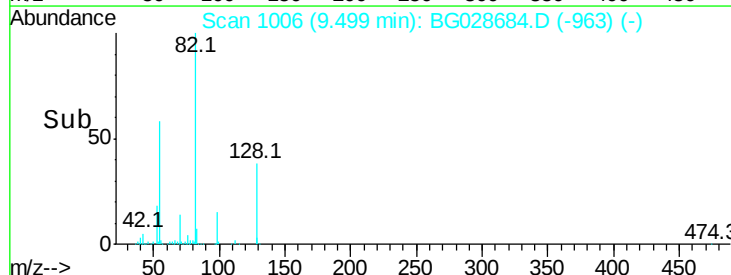
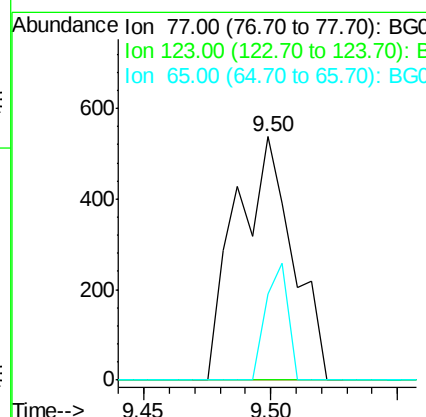
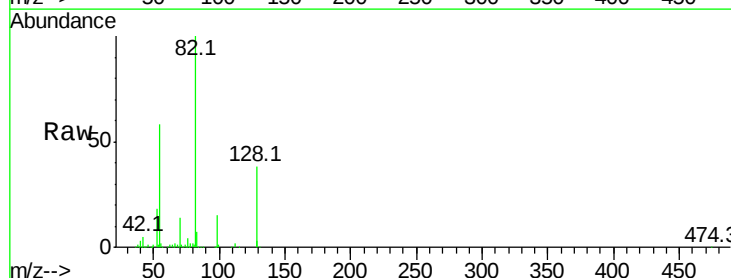
Instrument :
 BNA_G
 ClientSampleId :
 DUP-01-090817

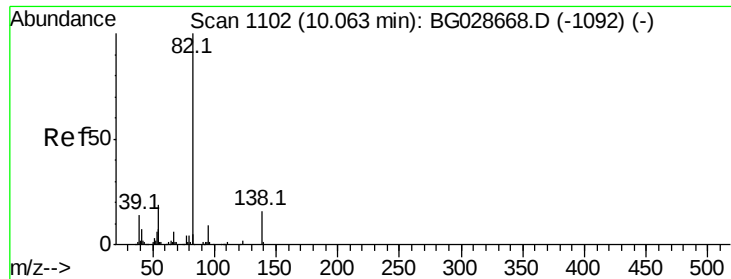
Tot Ion	82	Resp	217767
Ion Ratio	100	Lower	Upper
128	38.3	26.4	39.6
54	57.5	49.4	74.2



#24
 Nitrobenzene
 Concen: 0.372 ng
 RT: 9.50 min Scan# 1006
 Delta R.T. -0.05 min
 Lab File: BG028684.D
 Acq: 13 Sep 2017 00:27

Tgt Ion	77	Resp	842
Ion Ratio	100	Lower	Upper
123	0.0	26.1	39.1#
65	35.3	12.4	18.6#





#25

Isophorone

Concen: 0.017 ng

RT: 10.04 min Scan# 1098

Delta R.T. -0.02 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

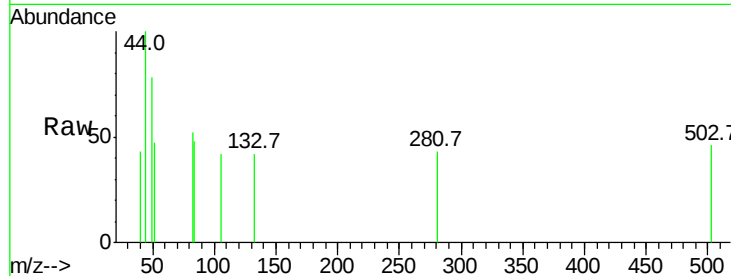
Tot Ion: 82 Resp: 69

Ion Ratio Lower Upper

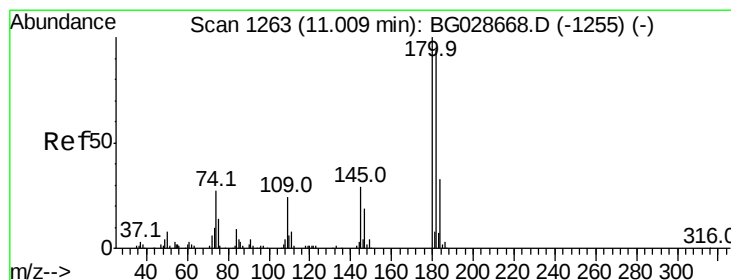
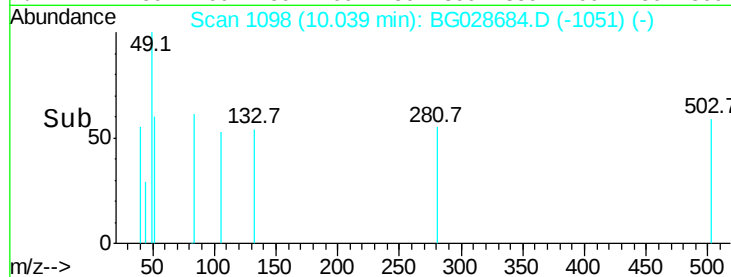
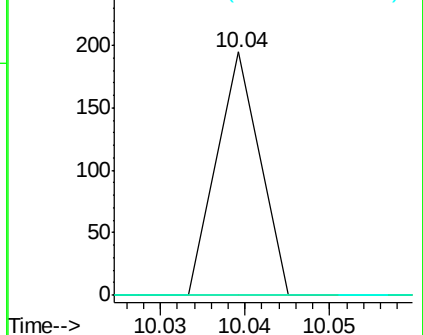
82 100

95 0.0 7.5 11.3#

138 0.0 12.3 18.5#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 0.046 ng

RT: 11.12 min Scan# 1282

Delta R.T. 0.11 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

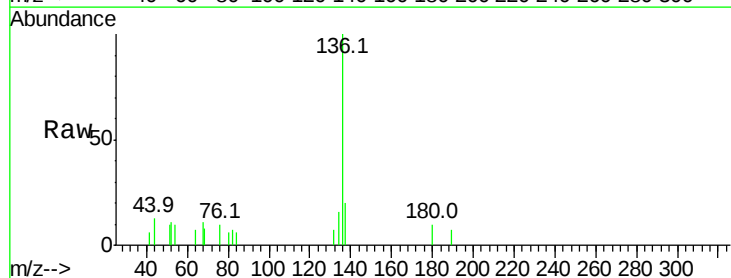
Tgt Ion: 180 Resp: 92

Ion Ratio Lower Upper

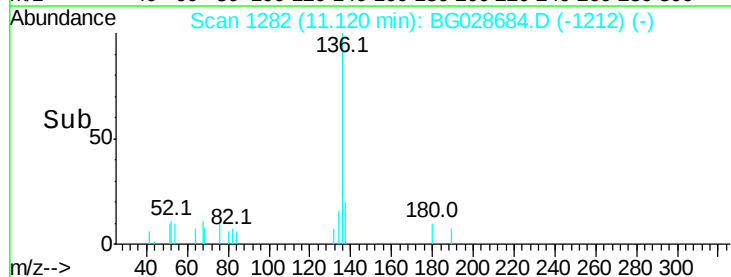
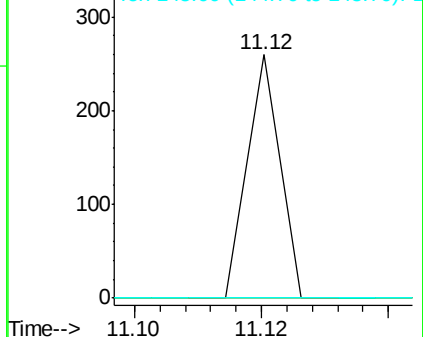
180 100

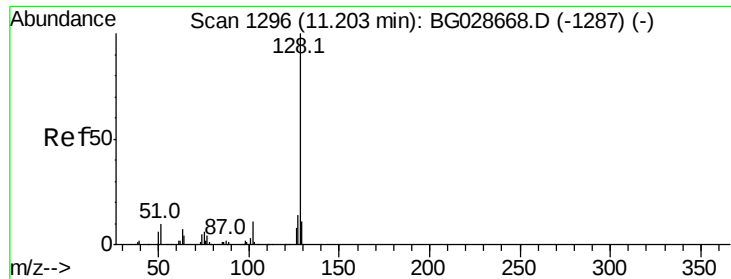
182 0.0 77.0 115.4#

145 0.0 23.4 35.0#



Abundance Ion 180.00 (179.70 to 180.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 145.00 (144.70 to 145.70): BGC

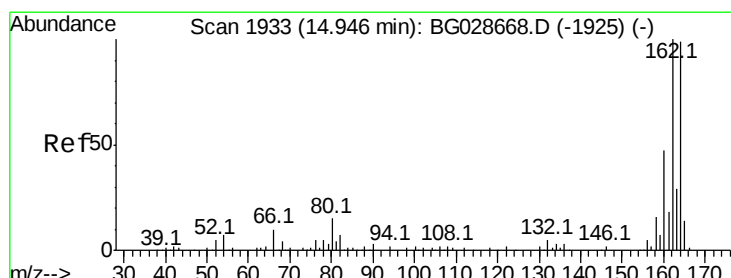
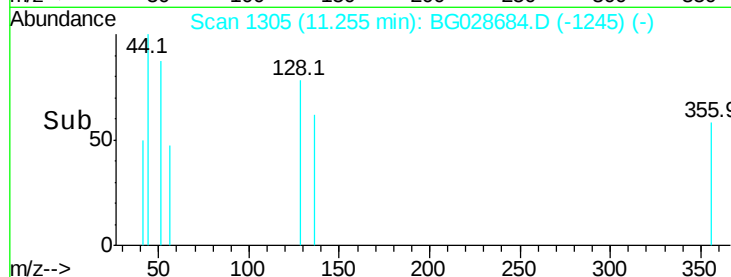
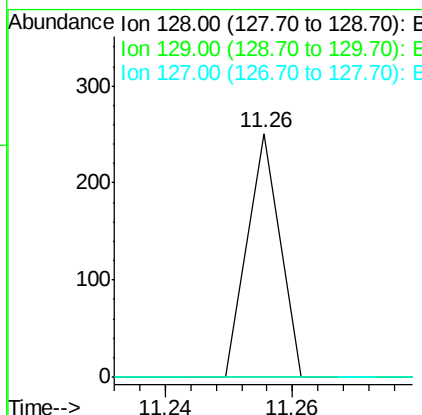
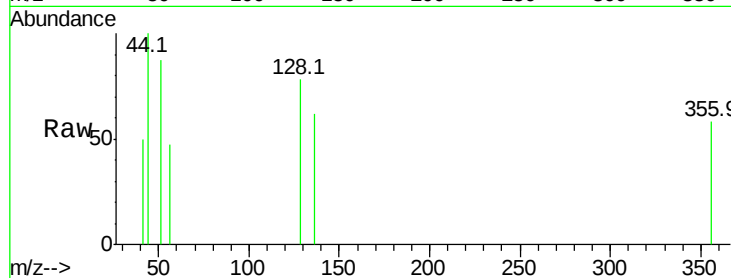




#31
Naphthalene
Concen: 0.017 ng
RT: 11.26 min Scan# 1305
Delta R.T. 0.05 min
Lab File: BG028684.D
Acq: 13 Sep 2017 00:27

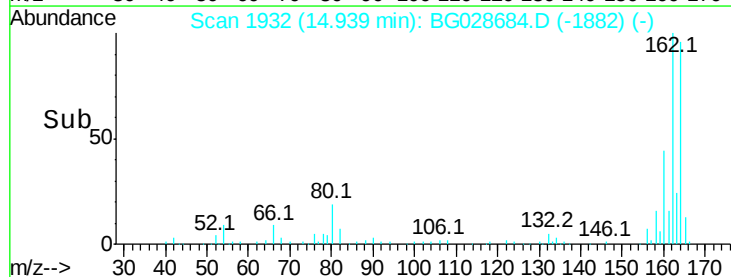
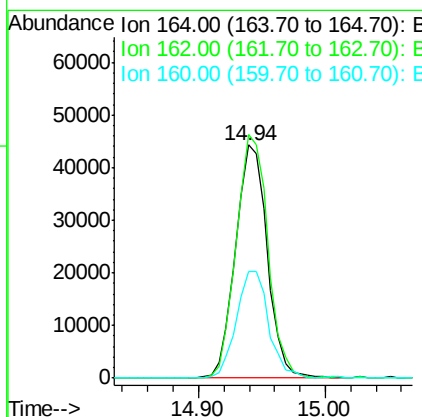
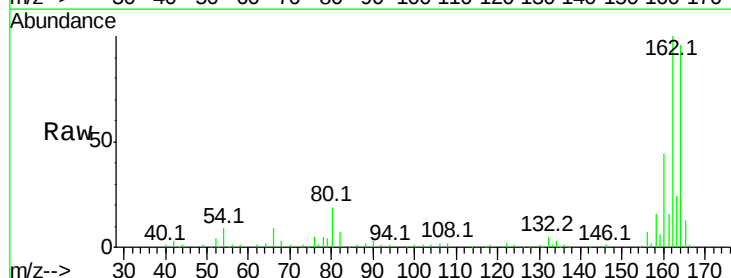
Instrument :
BNA_G
ClientSampleId :
DUP-01-090817

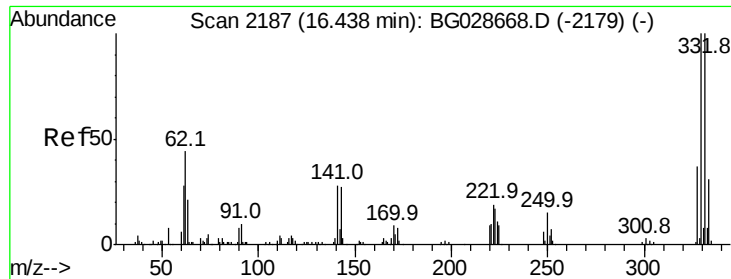
Tot Ion:128 Resp: 88
Ion Ratio Lower Upper
128 100
129 0.0 9.3 13.9#
127 0.0 11.4 17.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.94 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BG028684.D
Acq: 13 Sep 2017 00:27

Tgt Ion:164 Resp: 76818
Ion Ratio Lower Upper
164 100
162 104.5 85.1 127.7
160 45.9 34.7 52.1

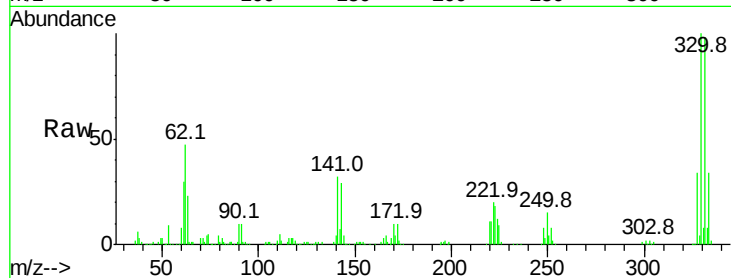




#41
 2,4,6-Tribromophenol
 Concen: 192.544 ng
 RT: 16.43 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BG028684.D
 Acq: 13 Sep 2017 00:27

Instrument :
 BNA_G
 ClientSampleId :
 DUP-01-090817

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	31.4	32.1	48.1#

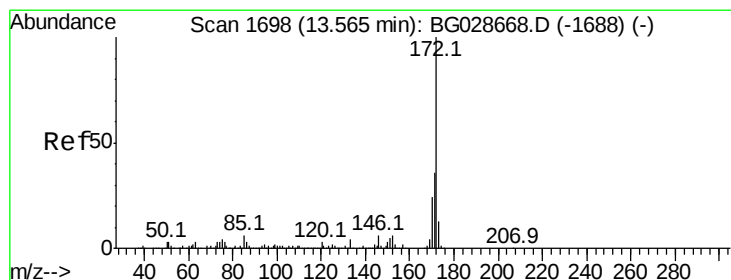
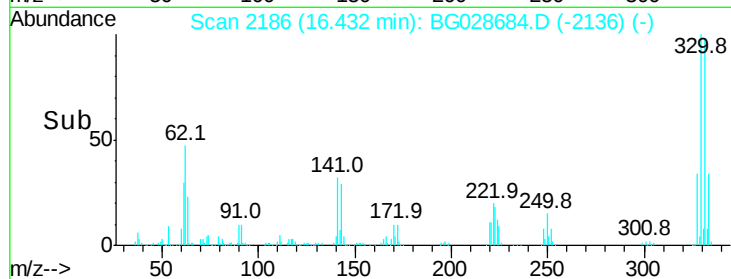
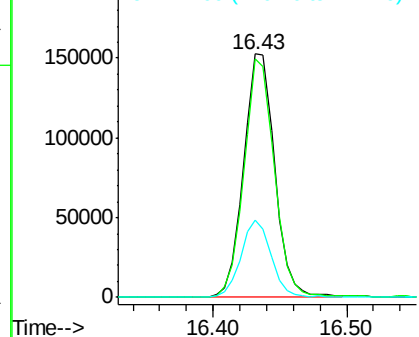


Abundance

Ion 329.80 (329.50 to 330.50): E

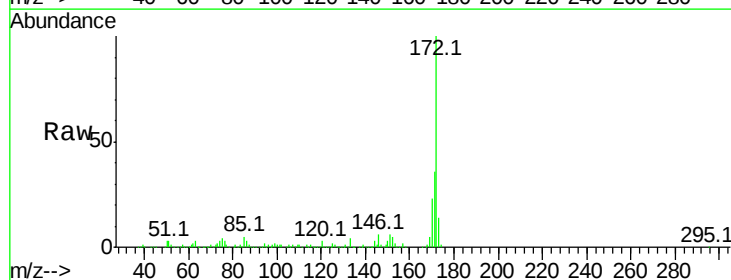
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 100.597 ng
 RT: 13.56 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: BG028684.D
 Acq: 13 Sep 2017 00:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	32.2	48.2
170	23.1	21.8	32.6

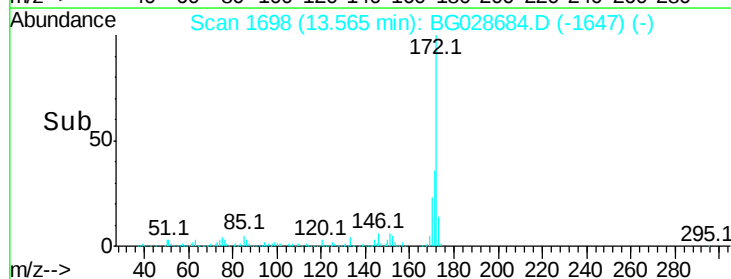
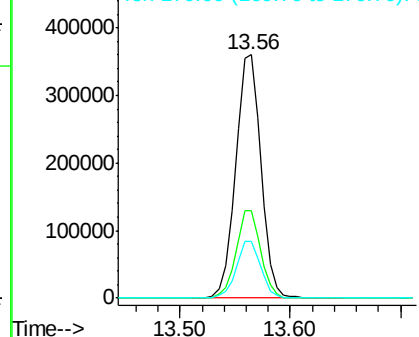


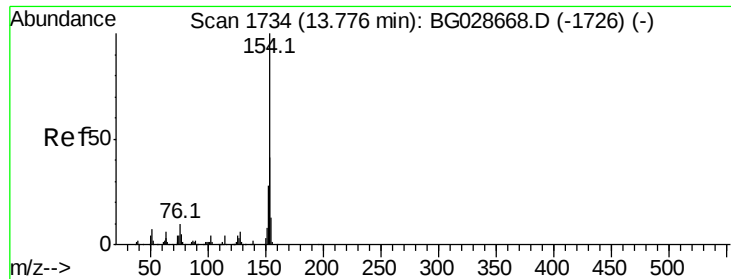
Abundance

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





#45

1,1'-Biphenyl

Concen: 0.068 ng

RT: 13.78 min Scan# 1735

Delta R.T. 0.01 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

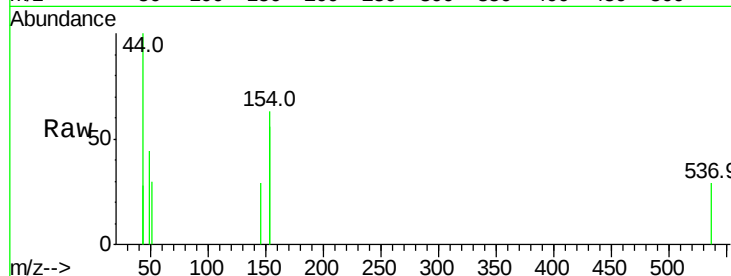
Tot Ion:154 Resp: 430

Ion Ratio Lower Upper

154 100

153 89.4 23.0 63.0#

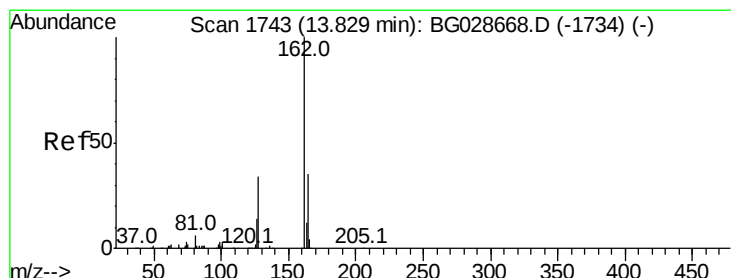
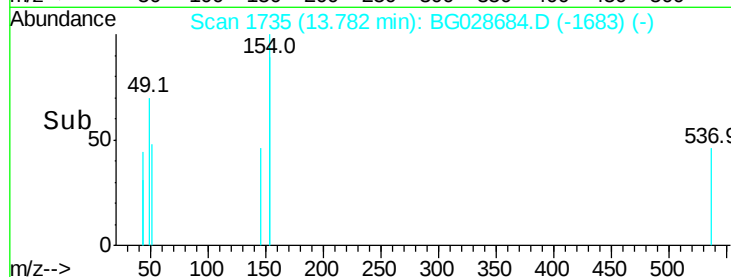
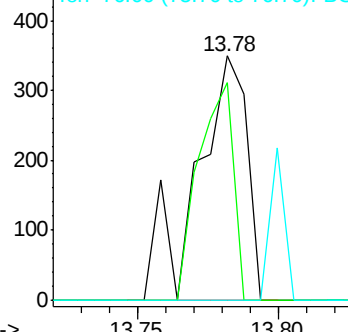
76 0.0 0.0 33.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#46

2-Chloronaphthalene

Concen: 0.016 ng

RT: 13.73 min Scan# 1727

Delta R.T. -0.09 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

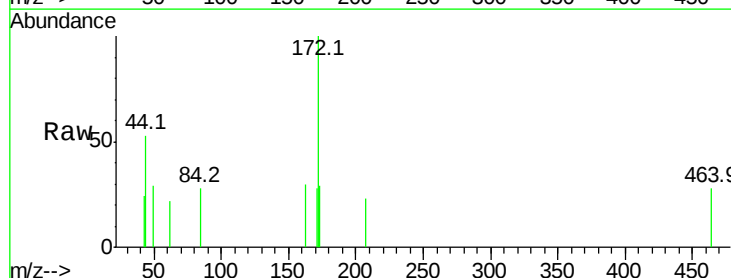
Tgt Ion:162 Resp: 73

Ion Ratio Lower Upper

162 100

127 0.0 32.2 48.4#

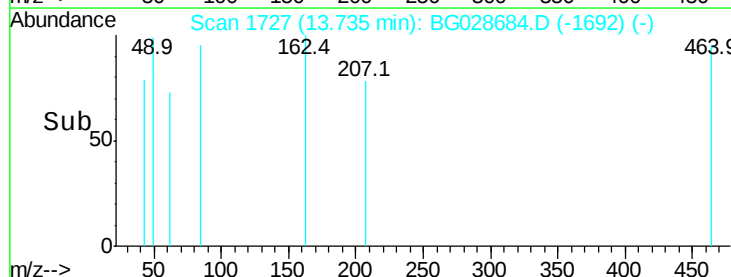
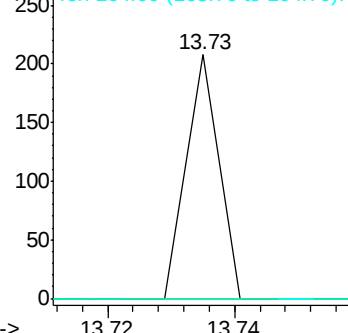
164 0.0 27.3 40.9#

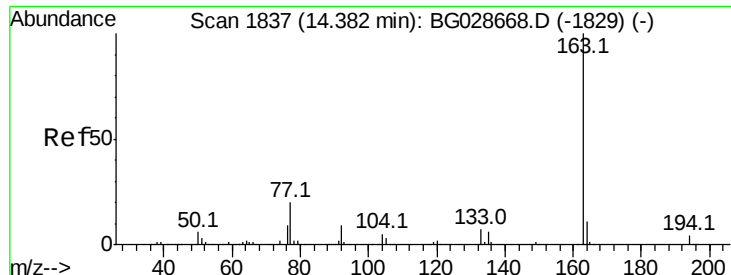


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Dimethylphthalate

Concen: 0.009 ng

RT: 14.34 min Scan# 1830

Delta R.T. -0.04 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

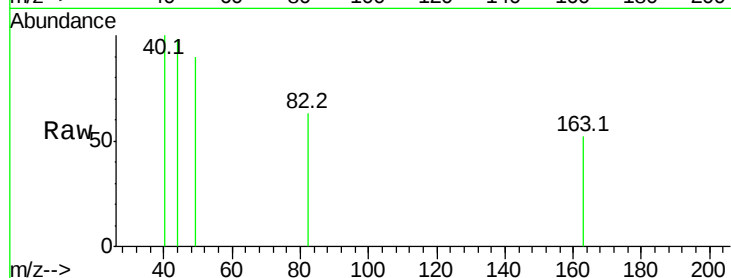
Tot Ion:163 Resp: 59

Ion Ratio Lower Upper

163 100

194 0.0 3.8 5.6#

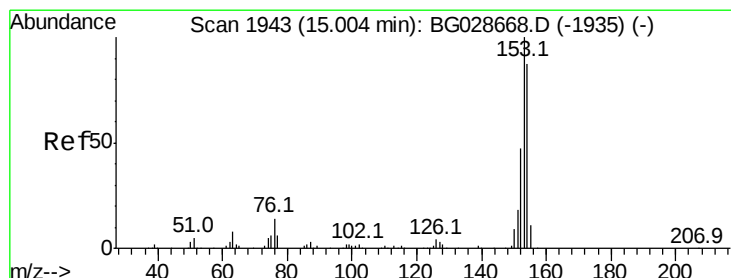
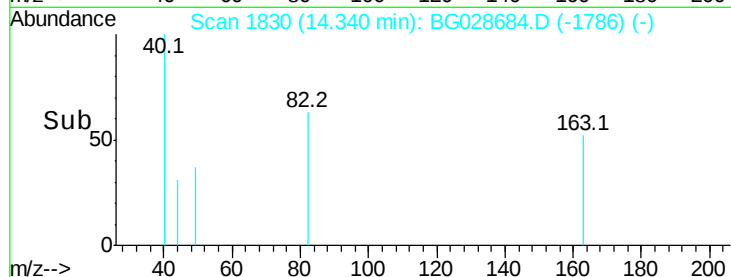
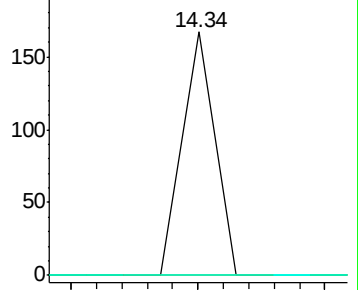
164 0.0 9.3 13.9#



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



#51

Acenaphthene

Concen: 0.019 ng

RT: 14.97 min Scan# 1937

Delta R.T. -0.04 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

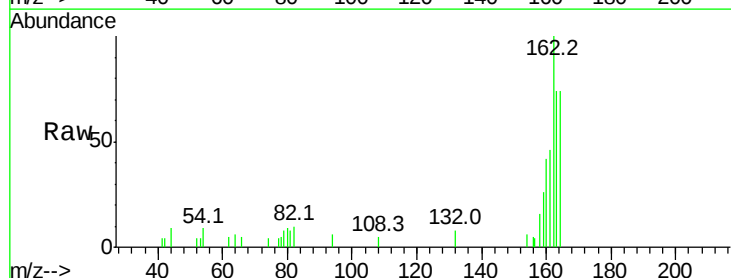
Tgt Ion:154 Resp: 85

Ion Ratio Lower Upper

154 100

153 0.0 87.8 131.6#

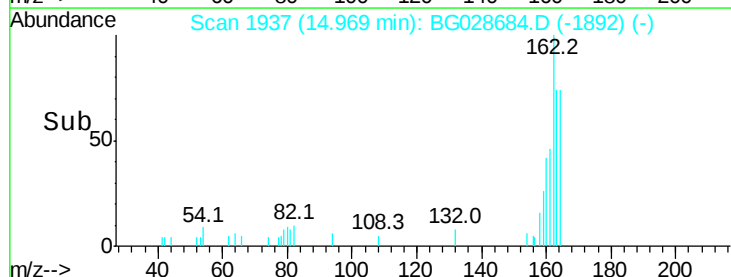
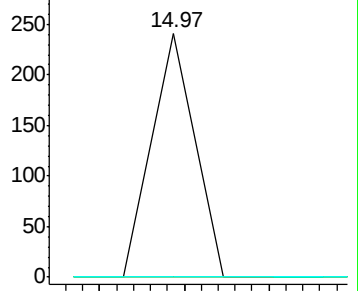
152 0.0 42.2 63.4#

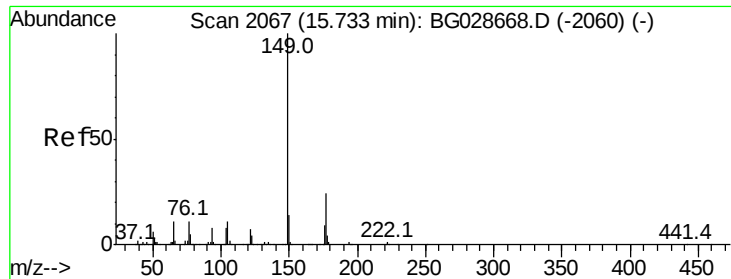


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#59

Diethylphthalate

Concen: 0.090 ng

RT: 15.74 min Scan# 2069

Delta R.T. 0.01 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

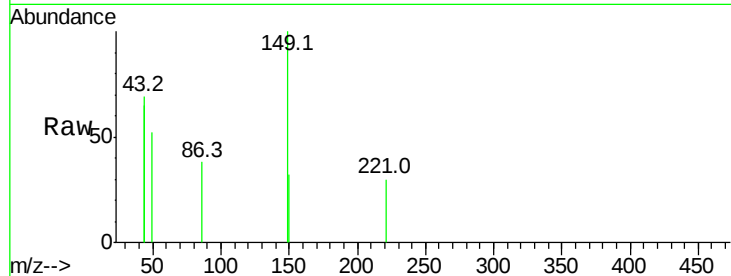
Tot Ion:149 Resp: 593

Ion Ratio Lower Upper

149 100

177 0.0 20.1 30.1#

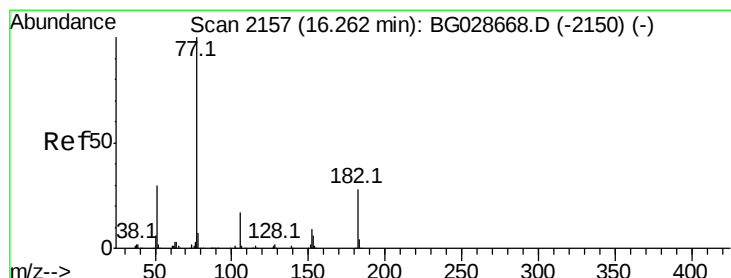
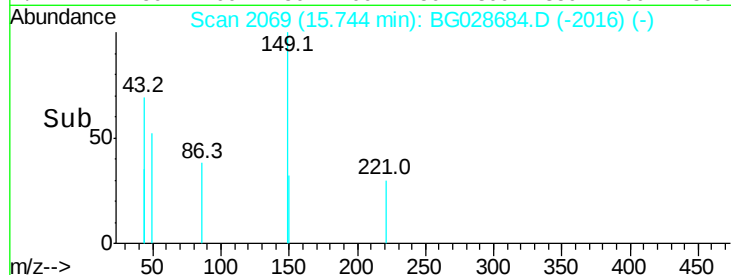
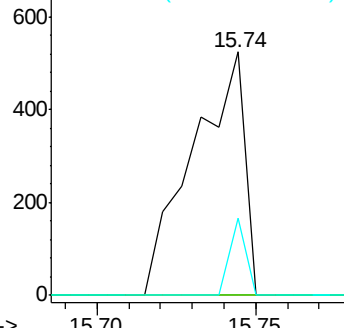
150 31.8 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#62

Azobenzene

Concen: 0.031 ng

RT: 16.30 min Scan# 2163

Delta R.T. 0.03 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Tgt Ion: 77 Resp: 175

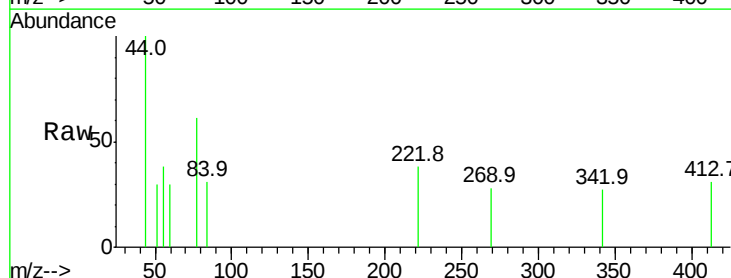
Ion Ratio Lower Upper

77 100

182 0.0 4.7 44.7#

105 0.0 0.0 36.3

51 48.8 16.4 56.4

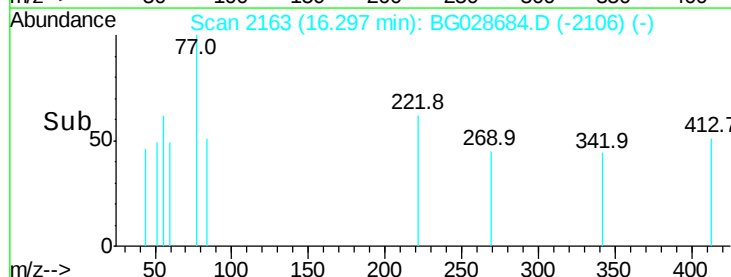
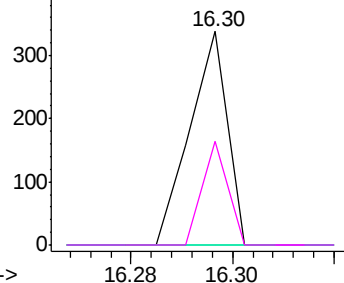


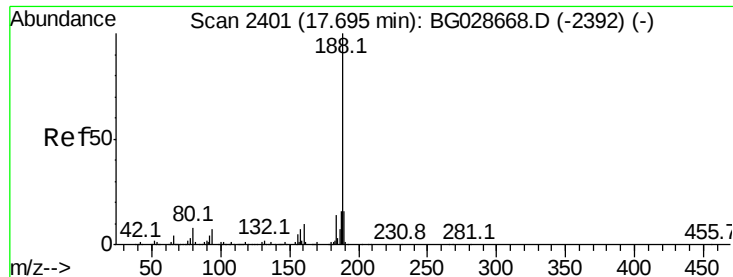
Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 20.000 ng

RT: 17.69 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

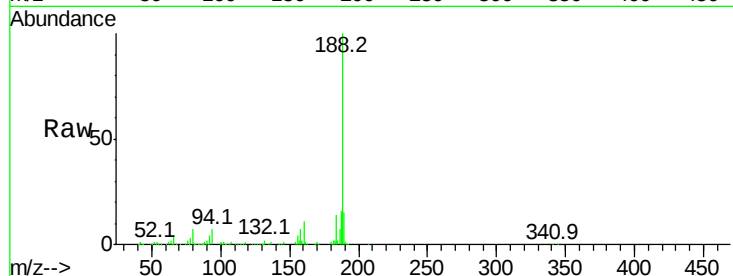
Tot Ion:188 Resp: 236224

Ion Ratio Lower Upper

188 100

94 6.7 5.8 8.8

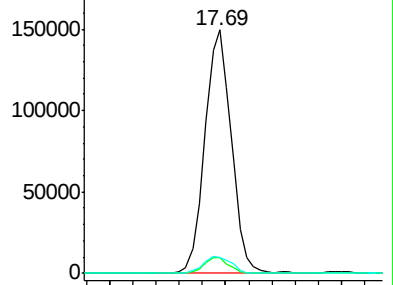
80 6.7 7.5 11.3#



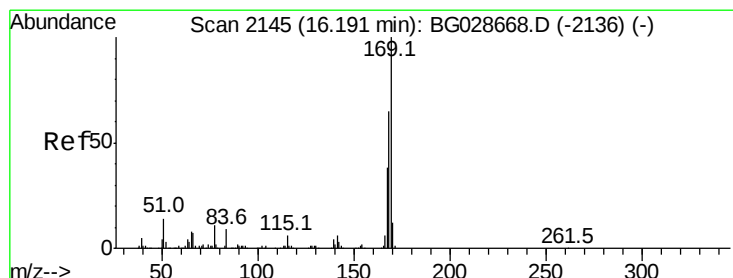
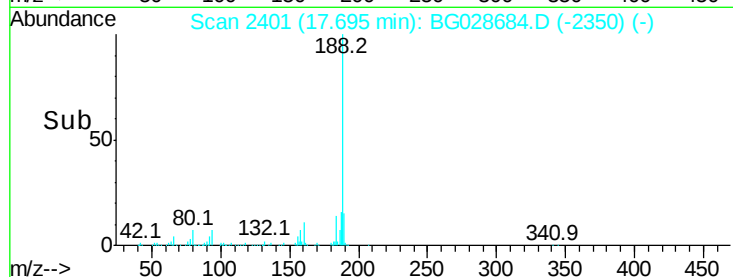
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#65

n-Nitrosodiphenylamine

Concen: 1.098 ng

RT: 16.44 min Scan# 2187

Delta R.T. 0.25 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

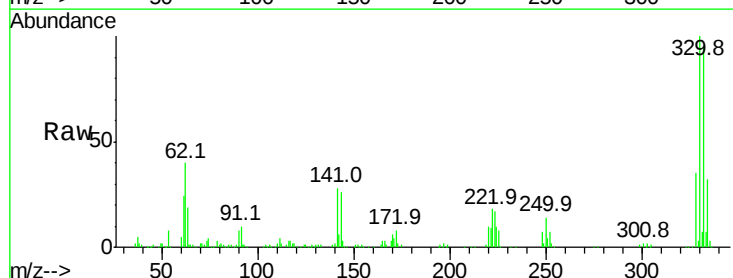
Tgt Ion:169 Resp: 7434

Ion Ratio Lower Upper

169 100

168 0.0 55.7 83.5#

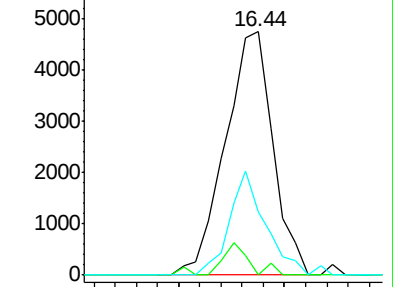
167 26.1 29.8 44.6#



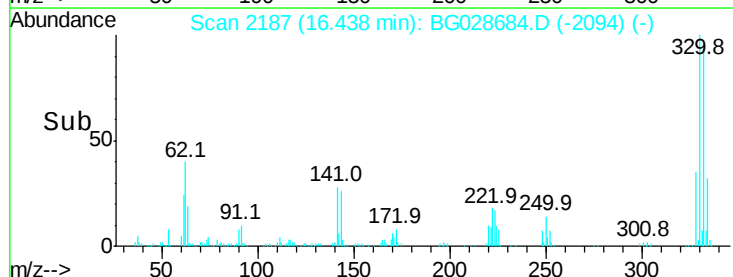
Abundance Ion 169.00 (168.70 to 169.70): E

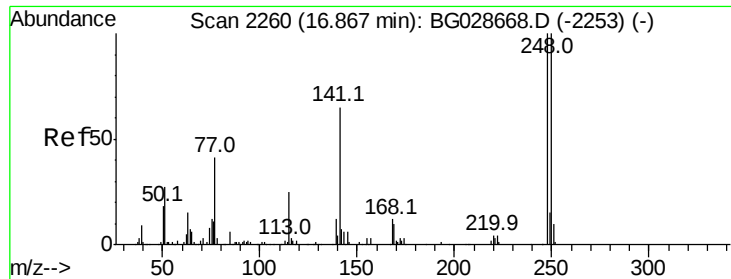
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

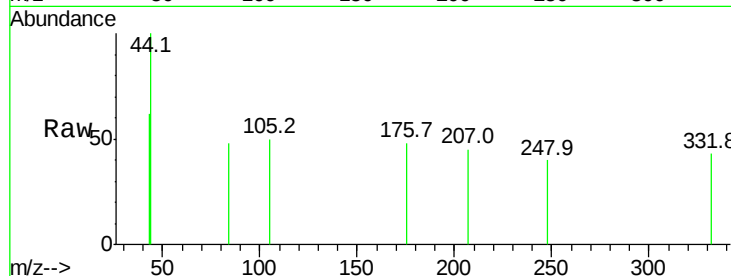




#66
4-Bromophenyl-phenylether
Concen: 0.018 ng
RT: 16.82 min Scan# 2252
Delta R.T. -0.05 min
Lab File: BG028684.D
Acq: 13 Sep 2017 00:27

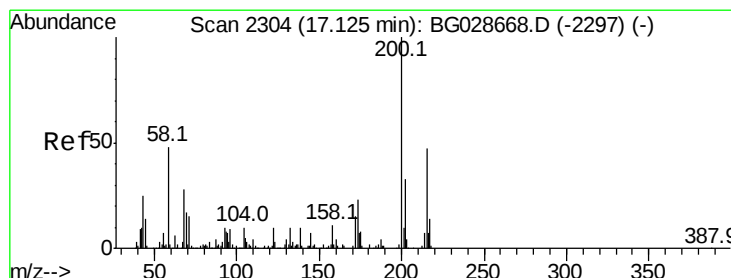
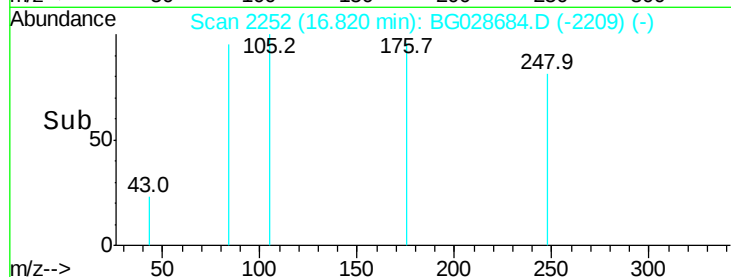
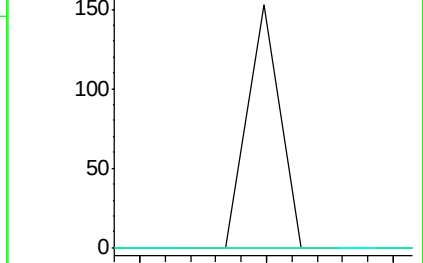
Instrument :
BNA_G
ClientSampleId :
DUP-01-090817

Tot Ion:248 Resp: 54
Ion Ratio Lower Upper
248 100
250 0.0 75.0 112.6#
141 0.0 55.2 82.8#



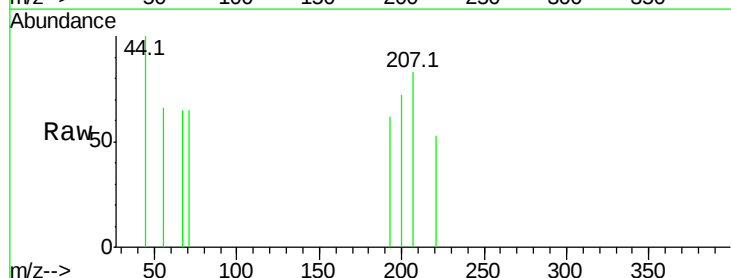
Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

16.82



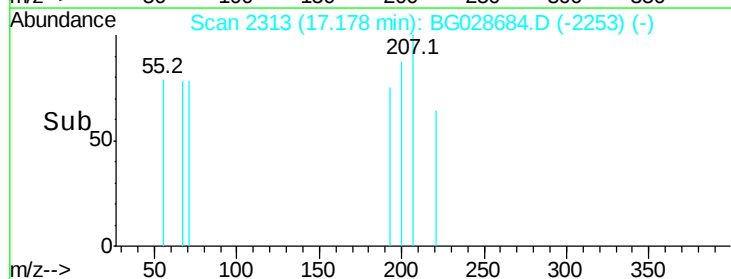
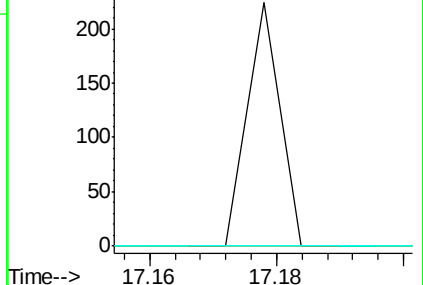
#68
Atrazine
Concen: 0.027 ng
RT: 17.18 min Scan# 2313
Delta R.T. 0.05 min
Lab File: BG028684.D
Acq: 13 Sep 2017 00:27

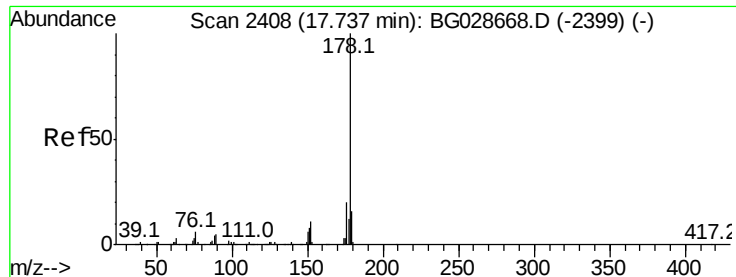
Tgt Ion:200 Resp: 79
Ion Ratio Lower Upper
200 100
173 0.0 3.0 43.0#
215 0.0 28.4 68.4#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

17.18





#70

Phenanthrene

Concen: 0.005 ng

RT: 17.80 min Scan# 2419

Delta R.T. 0.06 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

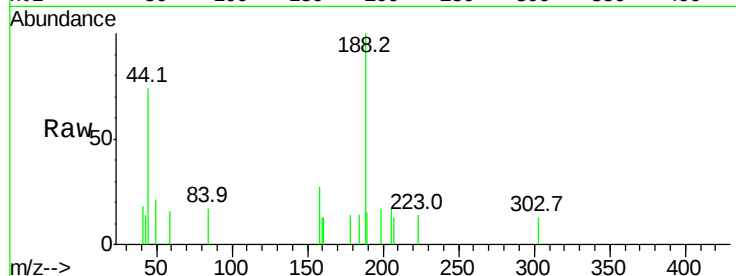
Tot Ion:178 Resp: 61

Ion Ratio Lower Upper

178 100

176 0.0 17.7 26.5#

179 0.0 15.0 22.6#

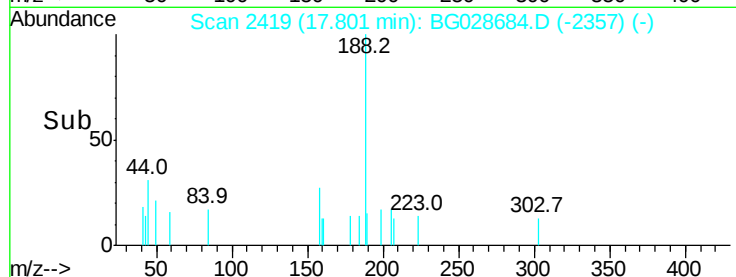


Abundance Ion 178.00 (177.70 to 178.70): E

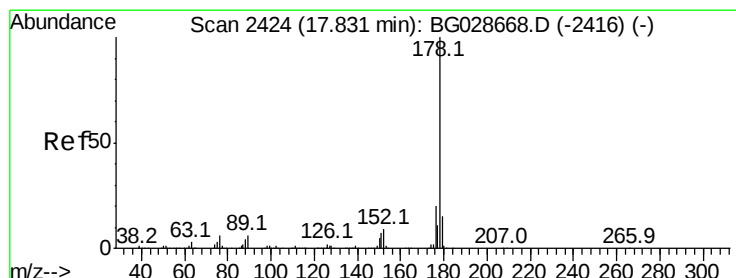
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.80



Time--> 17.78 17.80 17.82



#71

Anthracene

Concen: 0.005 ng

RT: 17.80 min Scan# 2419

Delta R.T. -0.03 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

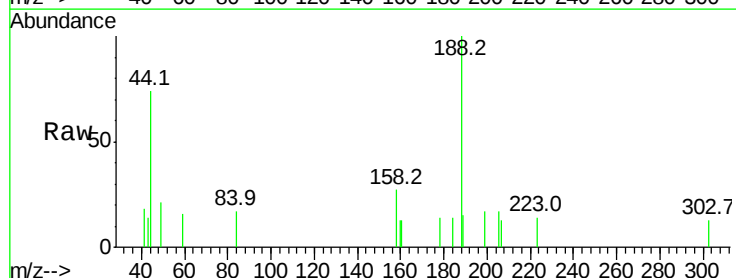
Tgt Ion:178 Resp: 61

Ion Ratio Lower Upper

178 100

176 0.0 16.4 24.6#

179 0.0 13.8 20.8#

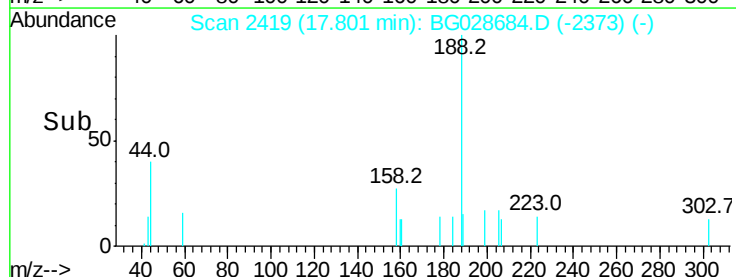


Abundance Ion 178.00 (177.70 to 178.70): E

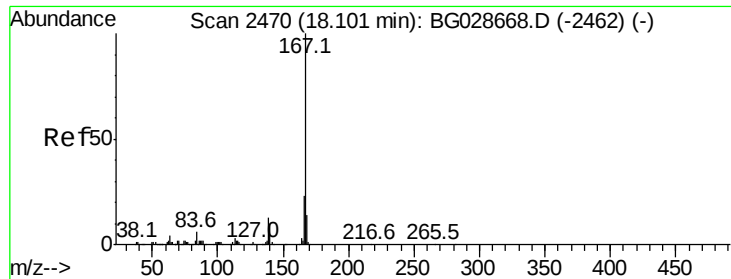
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.80



Time--> 17.78 17.80 17.82



#72

Carbazole

Concen: 0.005 ng

RT: 18.12 min Scan# 2474

Delta R.T. 0.02 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

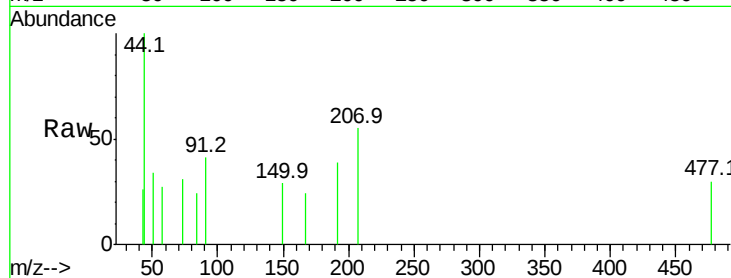
Tot Ion:167 Resp: 54

Ion Ratio Lower Upper

167 100

166 0.0 20.2 30.2#

139 0.0 12.8 19.2#

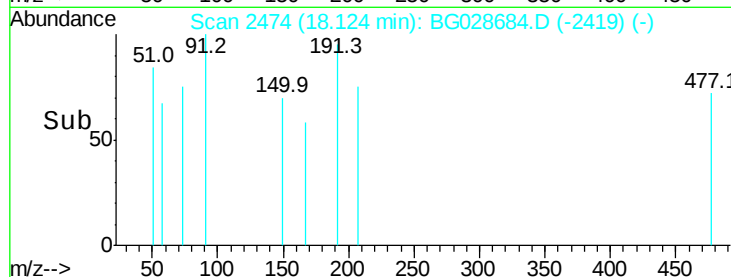


Abundance Ion 167.00 (166.70 to 167.70): E

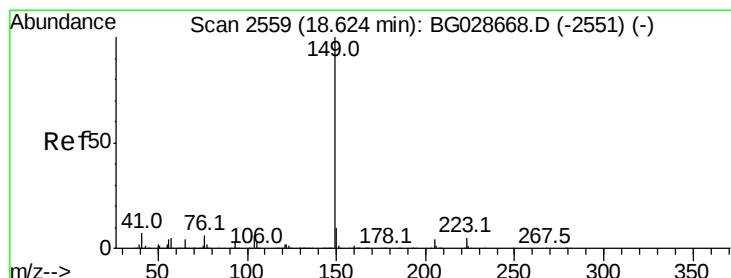
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

18.12



Time-->



#73

Di-n-butylphthalate

Concen: 0.132 ng

RT: 18.62 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

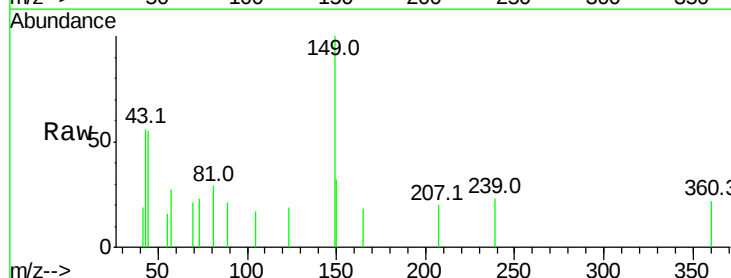
Tgt Ion:149 Resp: 1778

Ion Ratio Lower Upper

149 100

150 32.3 9.1 13.7#

104 0.0 6.7 10.1#

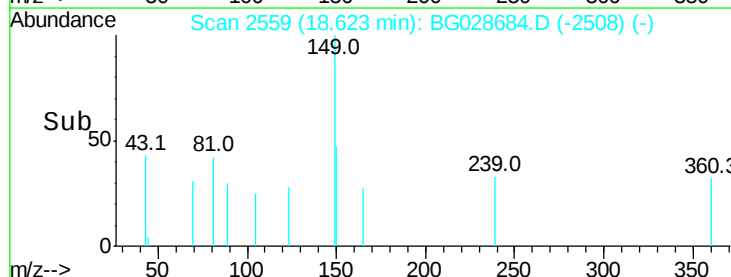


Abundance Ion 149.00 (148.70 to 149.70): E

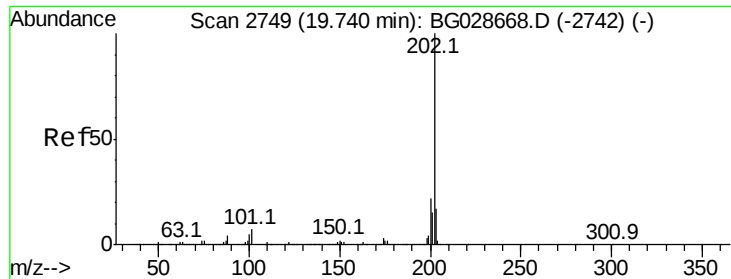
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.62



Time-->



#74

Fluoranthene

Concen: 0.004 ng

RT: 19.70 min Scan# 2742

Delta R.T. -0.04 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

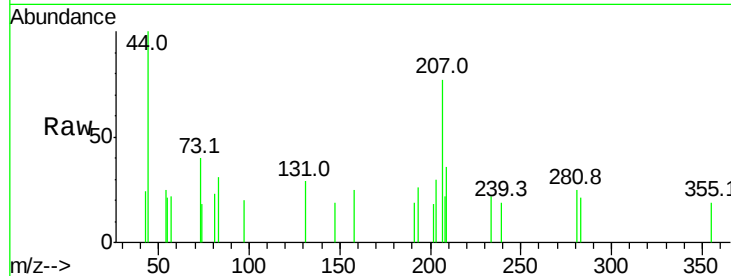
Instrument :

BNA_G

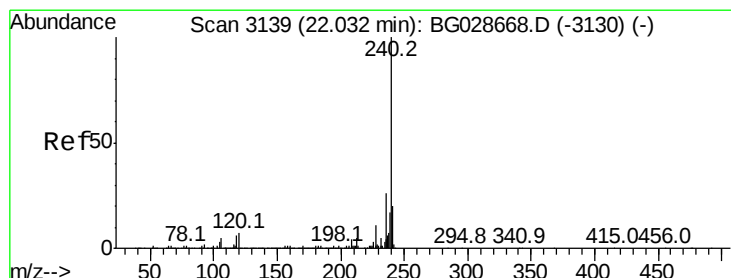
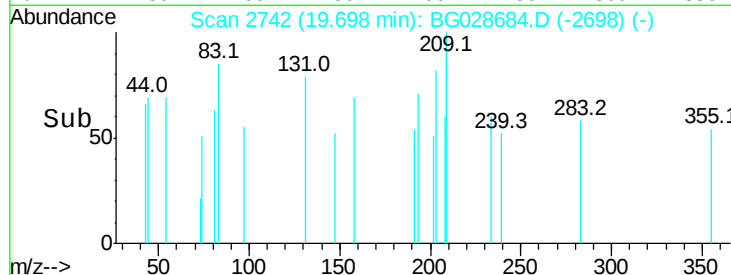
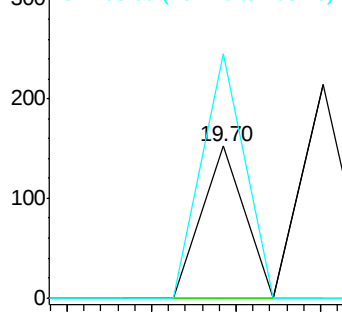
ClientSampleId :

DUP-01-090817

Tot Ion:	202	Resp:	54
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	30.1
203	161.2	1.3	41.3#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

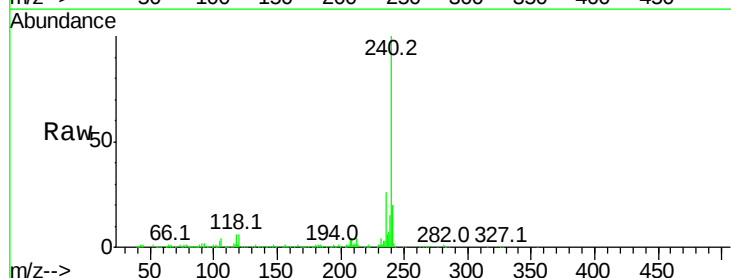
RT: 22.03 min Scan# 3138

Delta R.T. -0.01 min

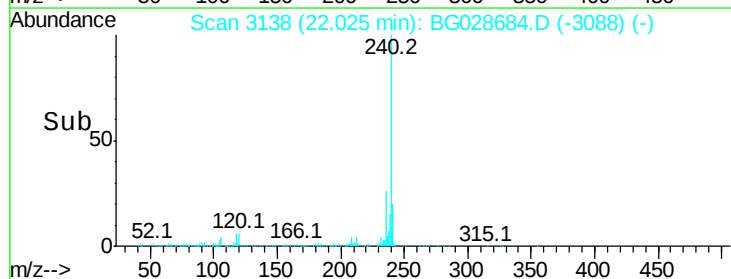
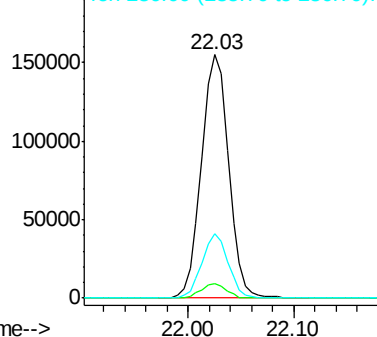
Lab File: BG028684.D

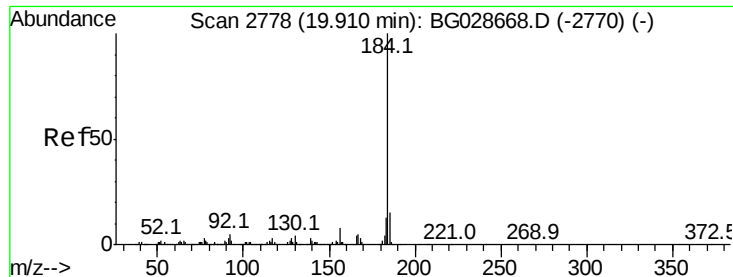
Acq: 13 Sep 2017 00:27

Tgt Ion:	240	Resp:	275374
Ion	Ratio	Lower	Upper
240	100		
120	6.0	5.7	8.5
236	26.5	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





#76

Benzidine

Concen: 0.018 ng

RT: 19.80 min Scan# 2759

Delta R.T. -0.11 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

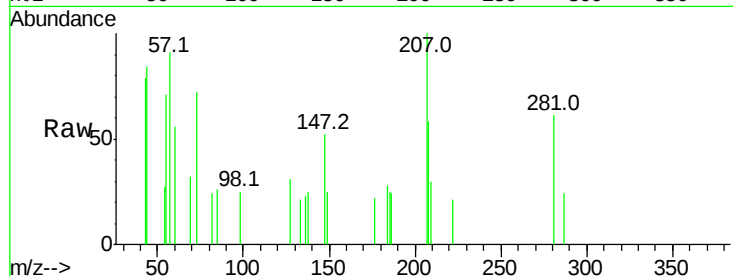
Tot Ion:184 Resp: 132

Ion Ratio Lower Upper

184 100

185 87.7 13.0 19.6#

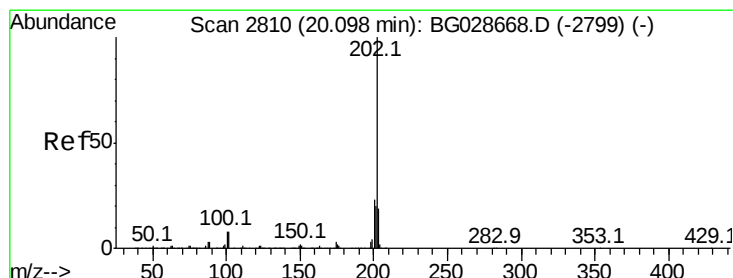
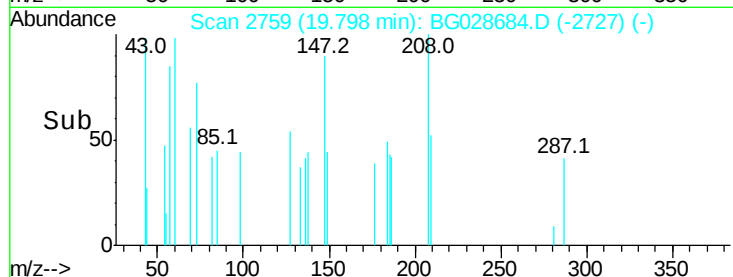
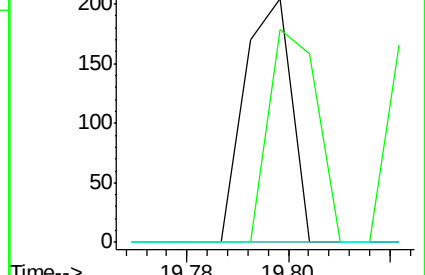
183 0.0 11.0 16.6#



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



#77

Pyrene

Concen: 0.281 ng

RT: 20.28 min Scan# 2841

Delta R.T. 0.18 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

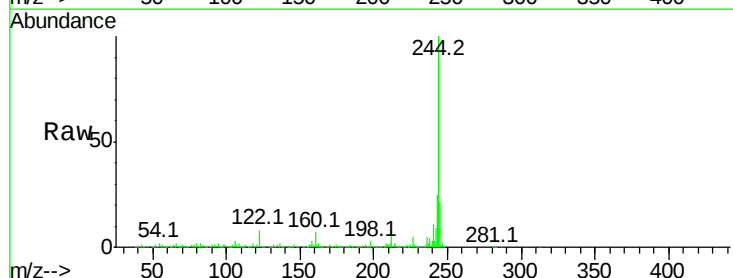
Tgt Ion:202 Resp: 4466

Ion Ratio Lower Upper

202 100

200 56.6 19.6 29.4#

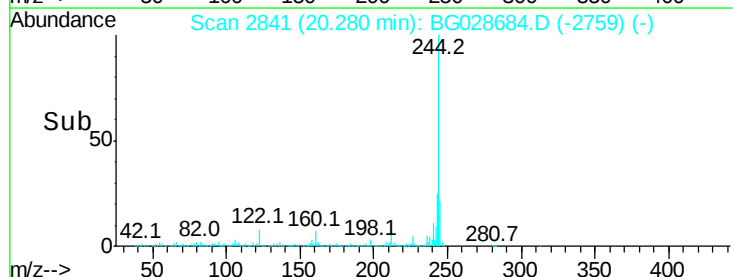
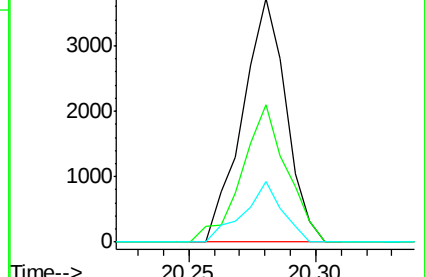
203 24.9 15.8 23.8#

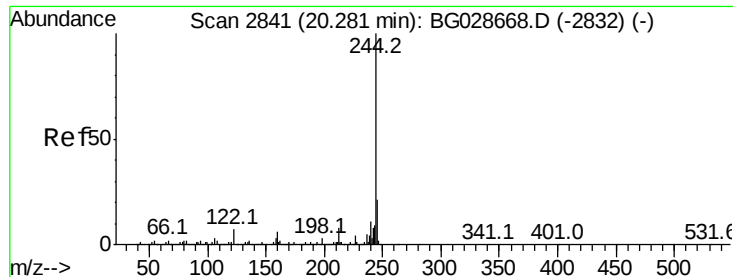


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 99.679 ng

RT: 20.28 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

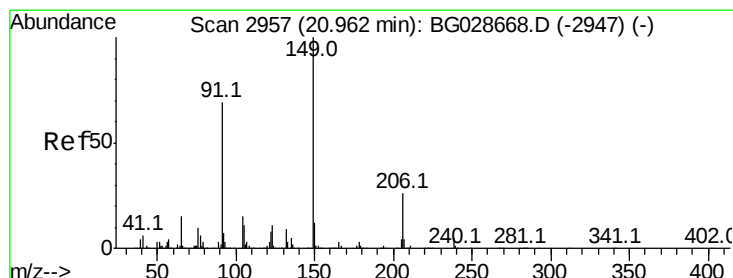
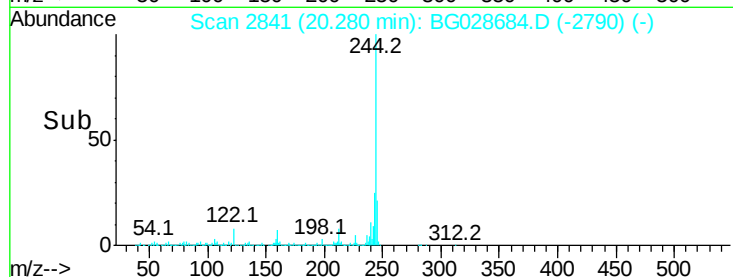
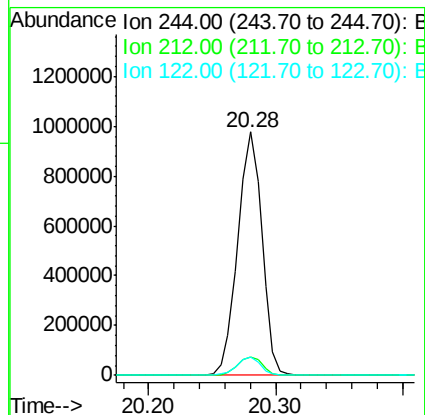
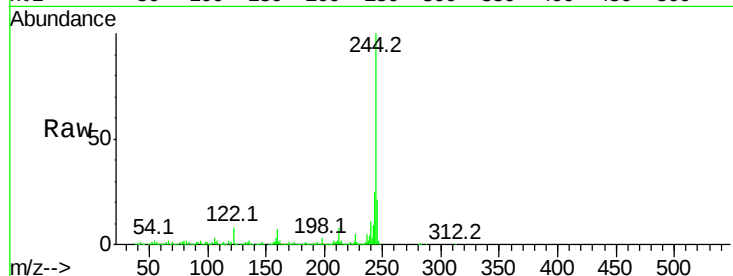
Tot Ion:244 Resp: 1287129

Ion Ratio Lower Upper

244 100

212 7.7 10.0 15.0#

122 7.5 8.6 12.8#



#79

Butylbenzylphthalate

Concen: 0.039 ng

RT: 20.94 min Scan# 2953

Delta R.T. -0.02 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

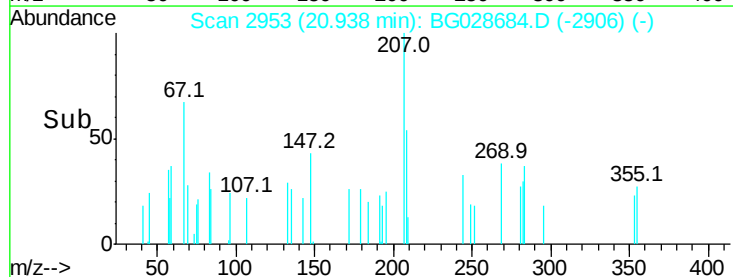
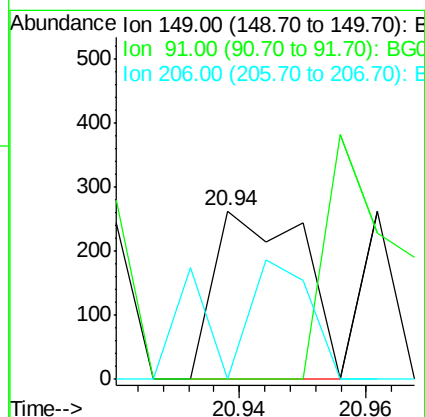
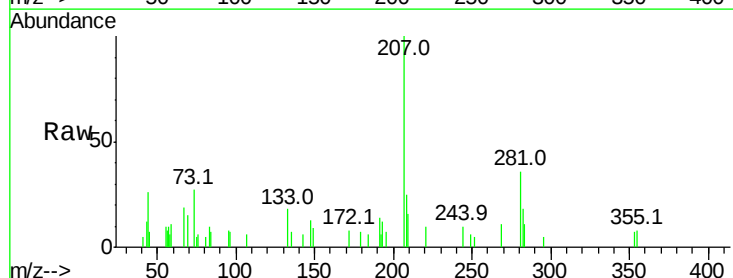
Tgt Ion:149 Resp: 253

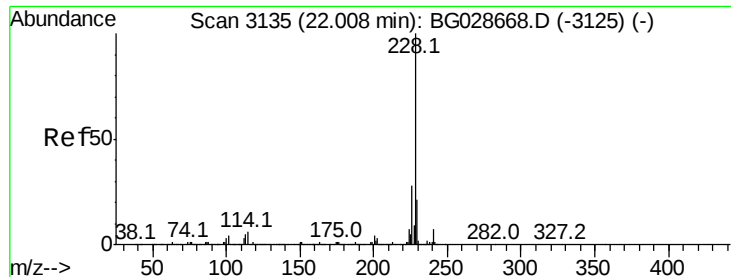
Ion Ratio Lower Upper

149 100

91 0.0 63.5 95.3#

206 0.0 21.0 31.6#





#80

Benzo(a)anthracene

Concen: 0.036 ng

RT: 22.02 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

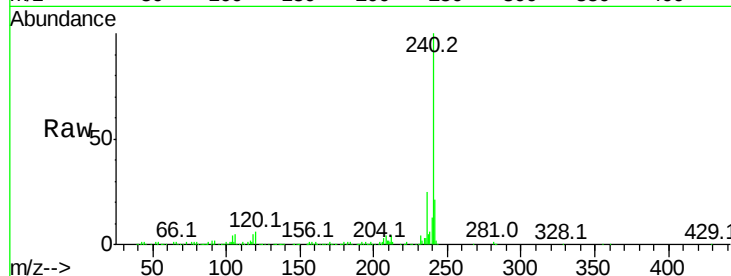
Tot Ion:228 Resp: 589

Ion Ratio Lower Upper

228 100

226 44.4 24.9 37.3#

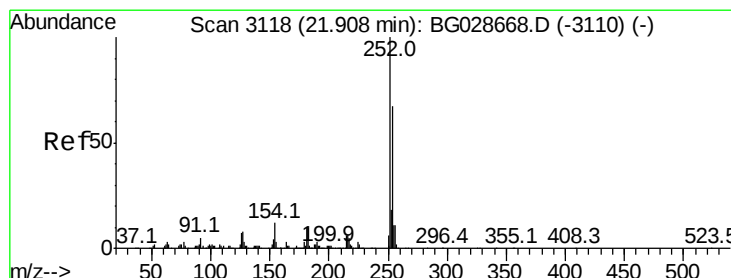
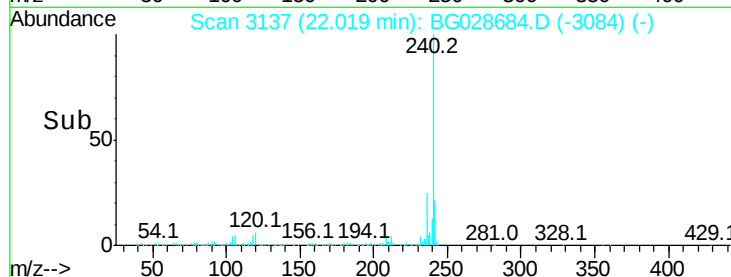
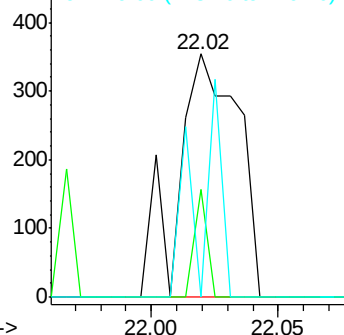
229 0.0 18.2 27.2#



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



#81

3,3'-Dichlorobenzidine

Concen: 0.010 ng

RT: 22.05 min Scan# 3143

Delta R.T. 0.15 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

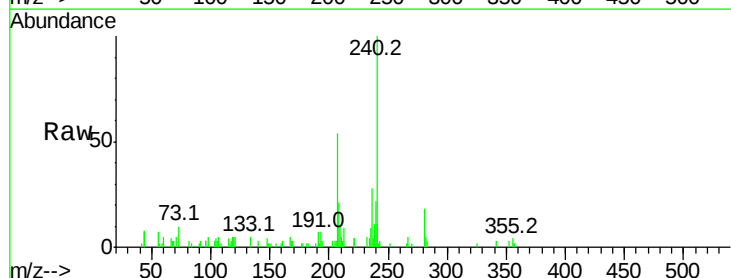
Tgt Ion:252 Resp: 64

Ion Ratio Lower Upper

252 100

254 0.0 53.1 79.7#

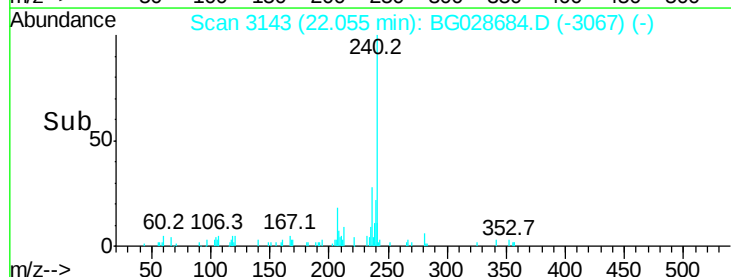
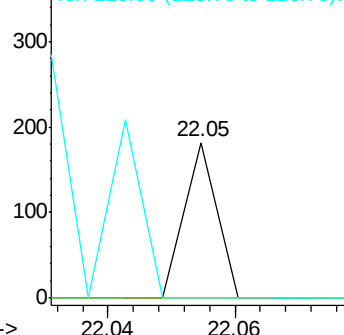
126 0.0 7.0 10.4#

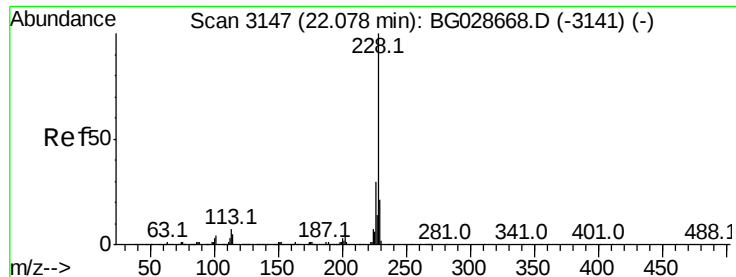


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 0.037 ng

RT: 22.02 min Scan# 3137

Delta R.T. -0.06 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

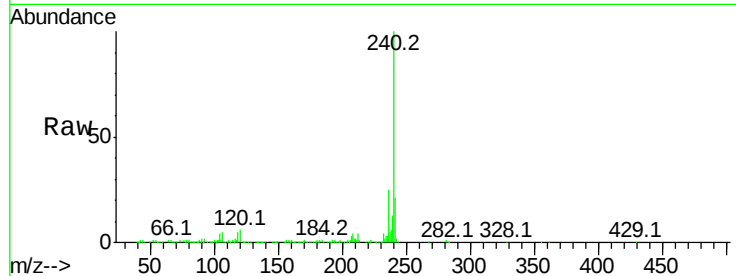
Tot Ion:228 Resp: 589

Ion Ratio Lower Upper

228 100

226 44.4 27.0 40.4#

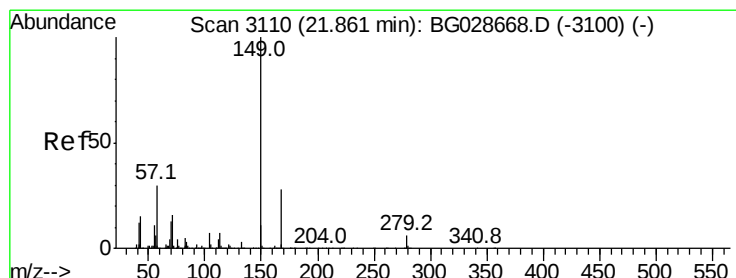
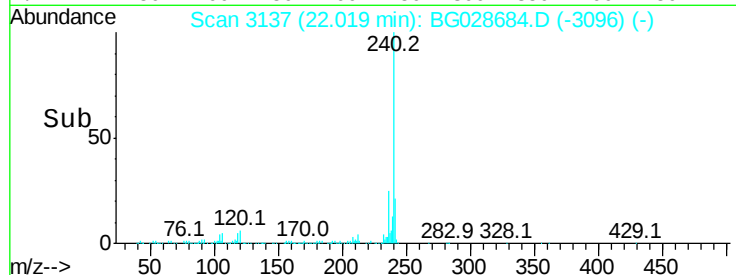
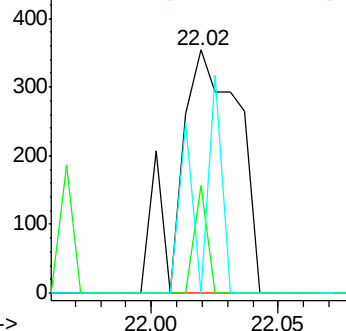
229 0.0 17.8 26.6#



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: 0.205 ng

RT: 21.86 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

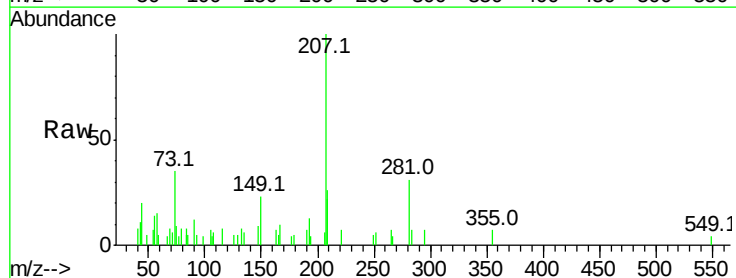
Tgt Ion:149 Resp: 1868

Ion Ratio Lower Upper

149 100

167 44.9 23.7 35.5#

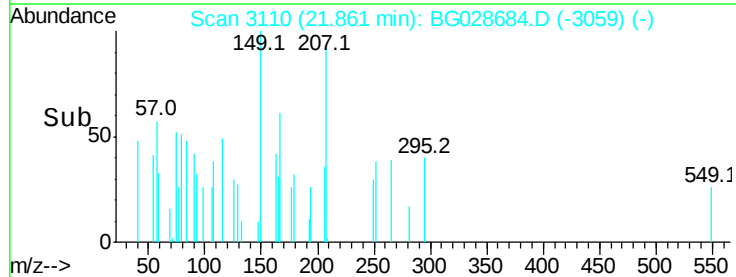
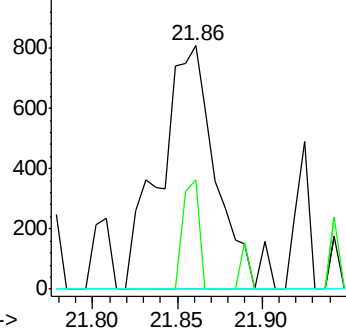
279 0.0 4.6 6.8#

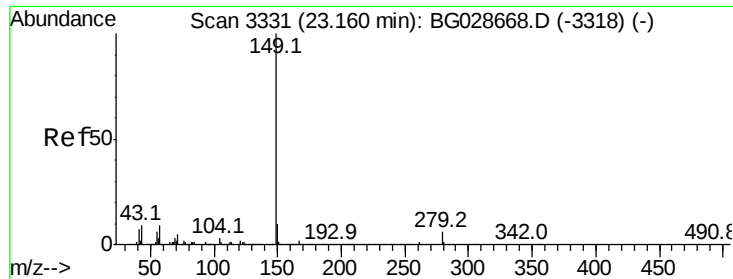


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.010 ng

RT: 23.15 min Scan# 3329

Delta R.T. -0.01 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

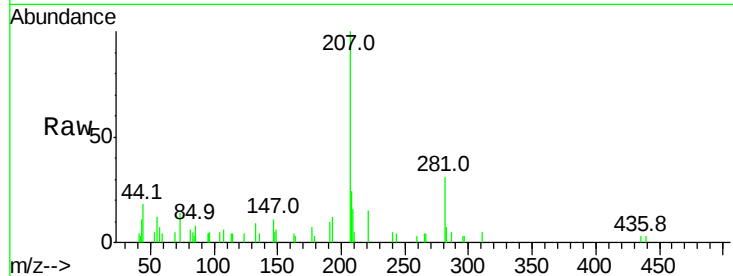
Tot Ion:149 Resp: 167

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

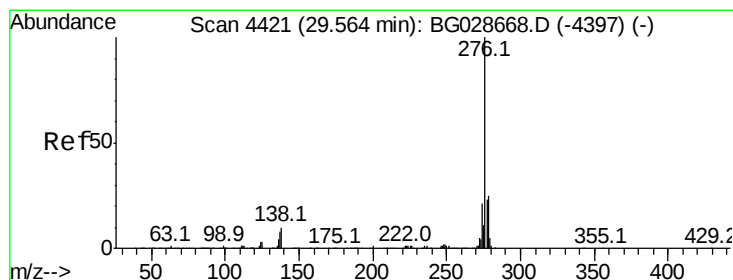
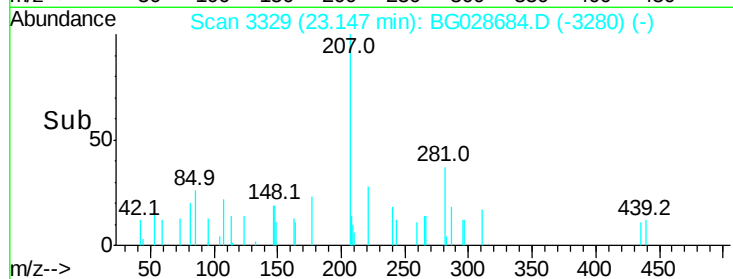
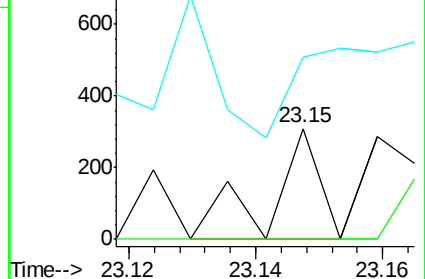
43 0.0 11.8 17.6#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.003 ng

RT: 29.45 min Scan# 4402

Delta R.T. -0.11 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

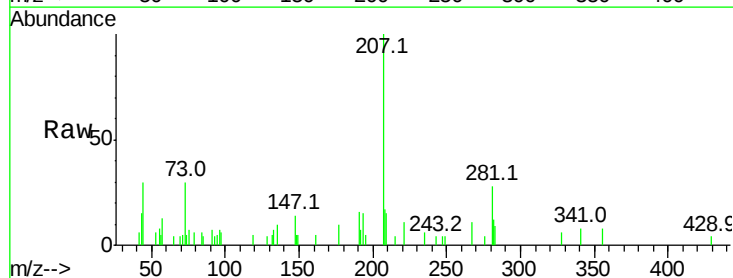
Tgt Ion:276 Resp: 54

Ion Ratio Lower Upper

276 100

138 0.0 4.7 7.1#

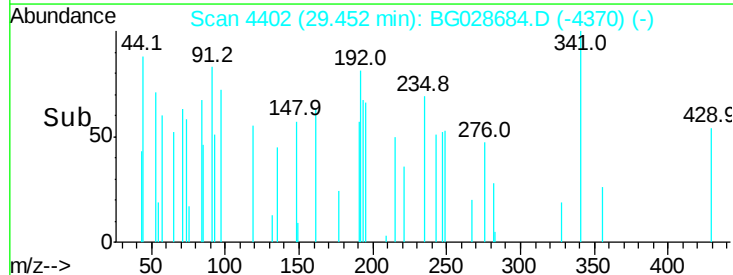
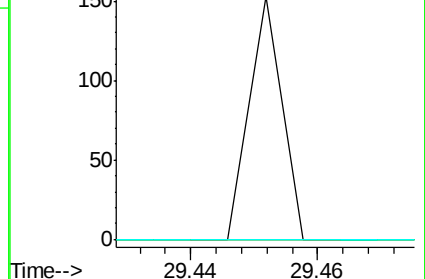
277 0.0 20.6 31.0#

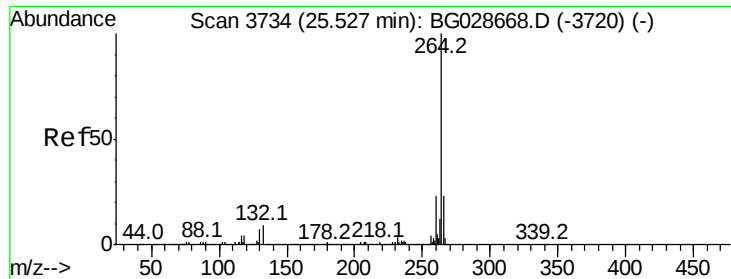


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

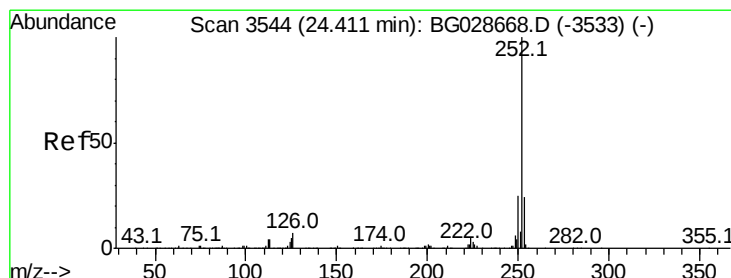
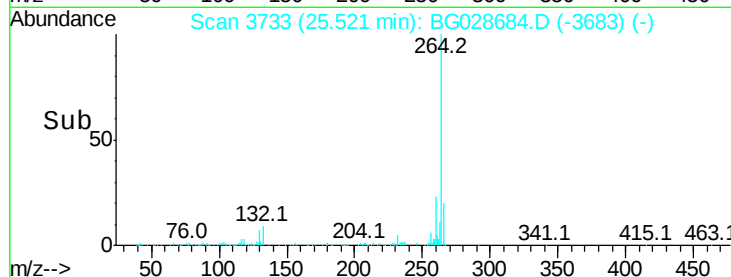
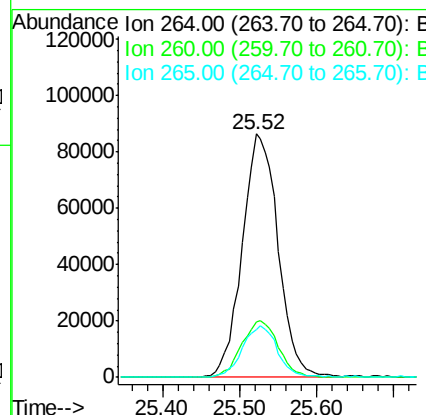
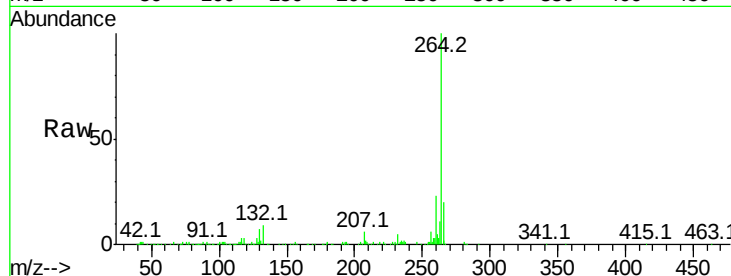




#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.52 min Scan# 3733
Delta R.T. -0.01 min
Lab File: BG028684.D
Acq: 13 Sep 2017 00:27

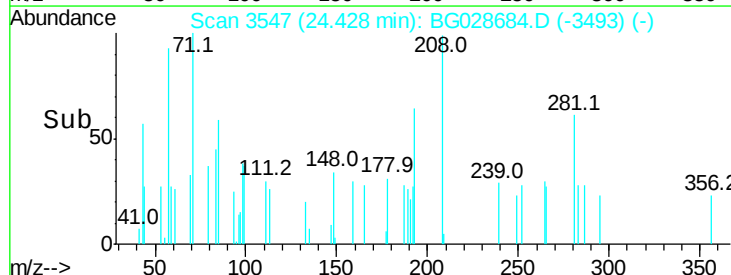
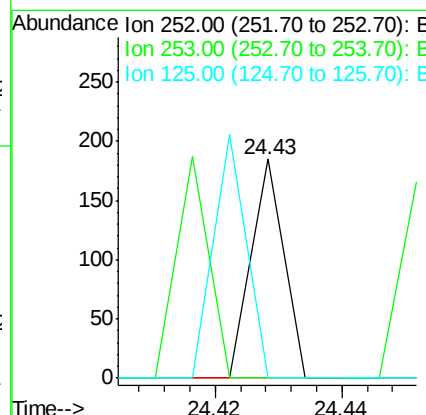
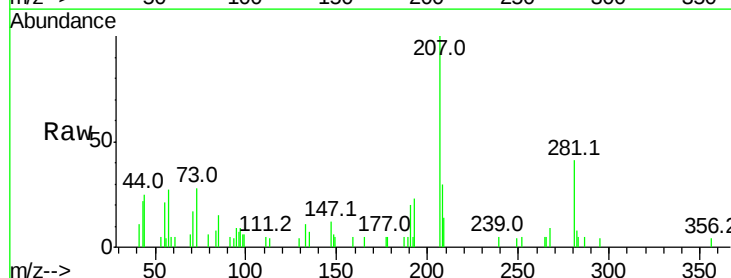
Instrument :
BNA_G
ClientSampleId :
DUP-01-090817

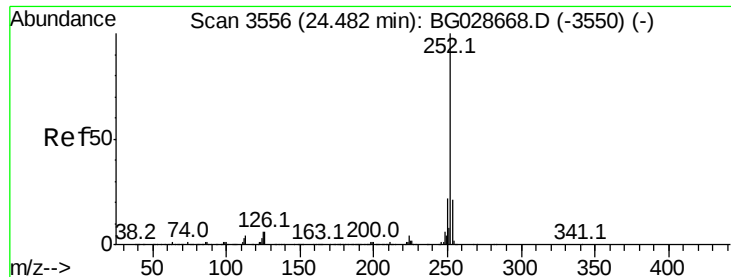
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	21.8	32.8
265	19.8	18.2	27.4



#87
Benzo(b)fluoranthene
Concen: 0.004 ng
RT: 24.43 min Scan# 3547
Delta R.T. 0.02 min
Lab File: BG028684.D
Acq: 13 Sep 2017 00:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.7	28.1#
125	0.0	5.3	7.9#





#88

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 24.47 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

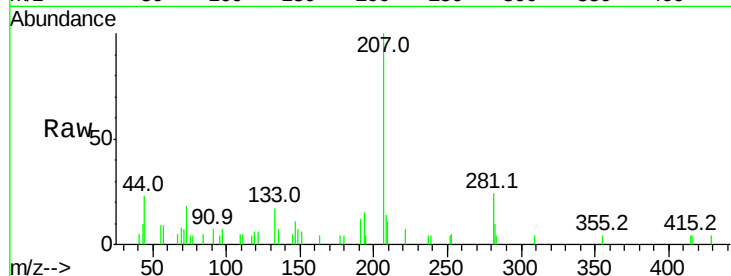
Tot Ion:252 Resp: 56

Ion Ratio Lower Upper

252 100

253 132.9 20.2 30.2#

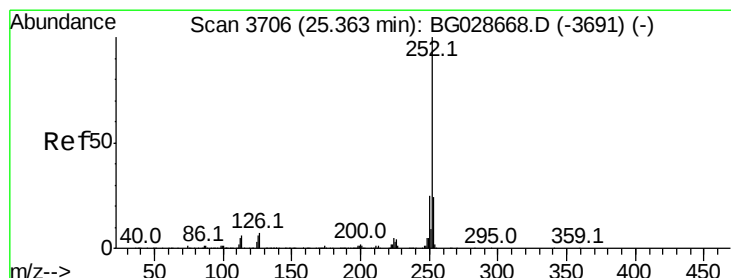
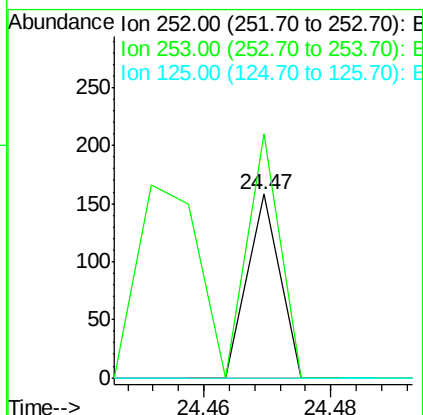
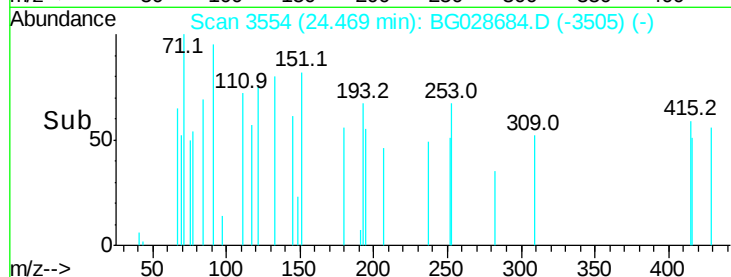
125 0.0 5.1 7.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 0.006 ng

RT: 25.41 min Scan# 3714

Delta R.T. 0.05 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

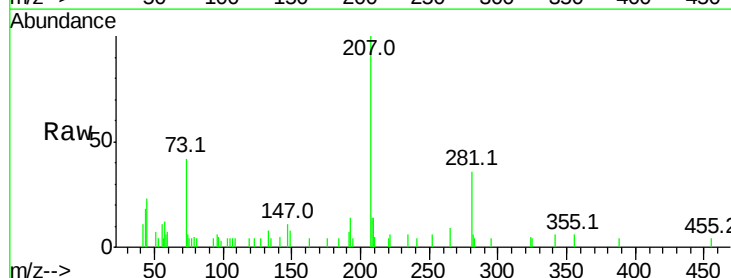
Tgt Ion:252 Resp: 90

Ion Ratio Lower Upper

252 100

253 0.0 19.2 28.8#

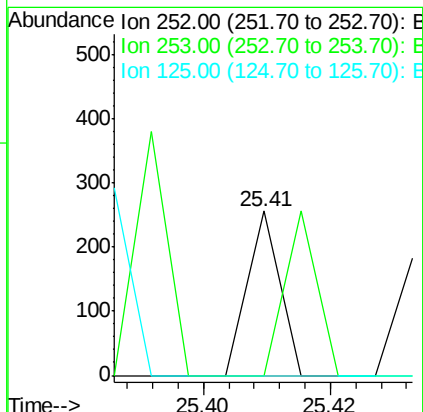
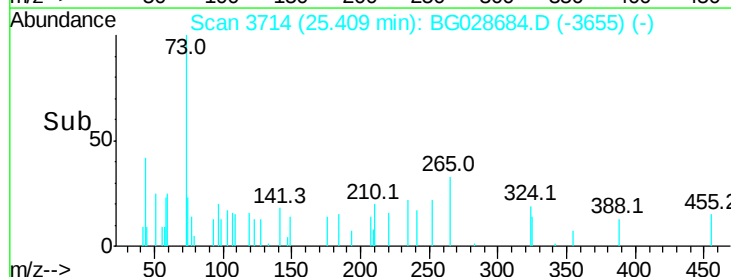
125 0.0 5.4 8.0#

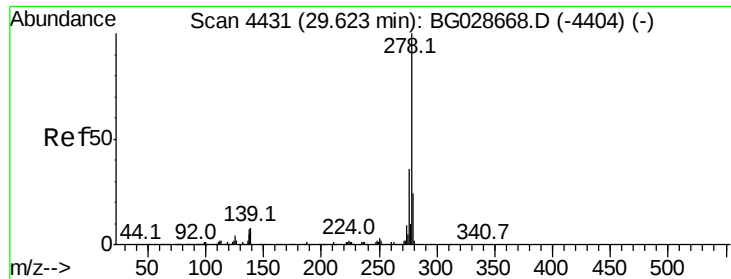


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 29.66 min Scan# 4438

Delta R.T. 0.04 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

Instrument :

BNA_G

ClientSampleId :

DUP-01-090817

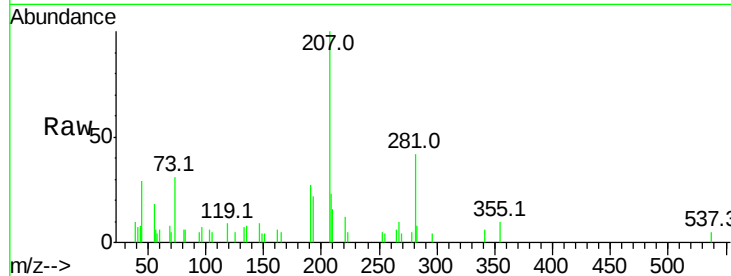
Tot Ion:278 Resp: 72

Ion Ratio Lower Upper

278 100

139 0.0 7.7 11.5#

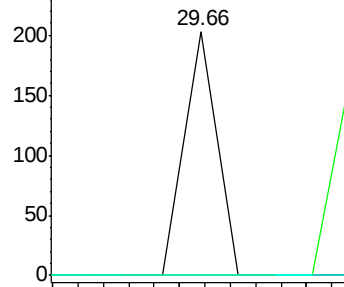
279 0.0 19.1 28.7#



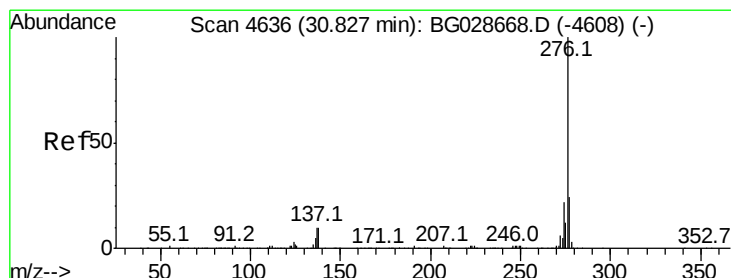
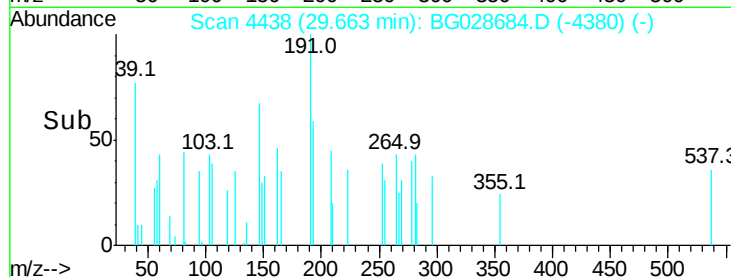
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 29.64 29.66 29.68



#91

Benzo(g,h,i)perylene

Concen: 0.004 ng

RT: 30.72 min Scan# 4617

Delta R.T. -0.11 min

Lab File: BG028684.D

Acq: 13 Sep 2017 00:27

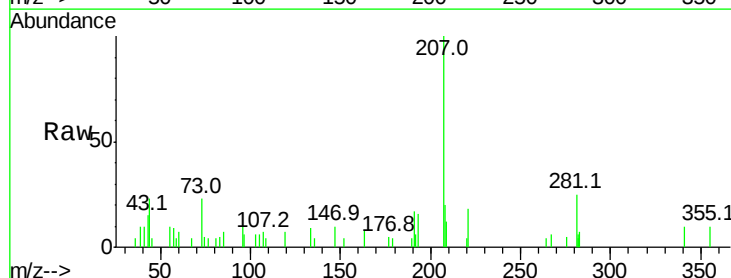
Tgt Ion:276 Resp: 67

Ion Ratio Lower Upper

276 100

277 0.0 18.6 27.8#

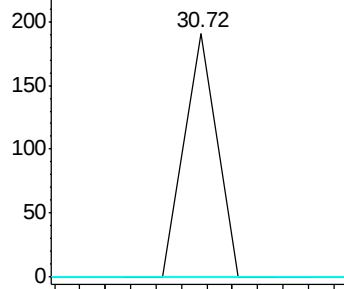
138 0.0 8.1 12.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time--> 30.70 30.72

