

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091017\
 Data File : BG028617.D
 Acq On : 9 Sep 2017 16:21
 Operator : SJ/JU
 Sample : PB102150BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 11 07:10:10 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG090717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 07 18:39:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	31223	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	119016	20.00	ng	0.00
38) Acenaphthene-d10	14.95	164	81370	20.00	ng	0.00
63) Phenanthrene-d10	17.70	188	246124	20.00	ng	0.00
75) Chrysene-d12	22.03	240	298486	20.00	ng	0.00
86) Perylene-d12	25.53	264	300654	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.91	112	264454	142.61	ng	0.00
7) Phenol-d6	7.49	99	354120	131.66	ng	0.00
23) Nitrobenzene-d5	9.51	82	225997	87.19	ng	0.00
41) 2,4,6-Tribromophenol	16.43	330	206964	167.35	ng	0.00
44) 2-Fluorobiphenyl	13.57	172	565538	90.92	ng	0.00
78) Terphenyl-d14	20.28	244	1227312	88.59	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.79	88	74	0.098	ng	# 63
3) Pyridine	4.23	79	62	0.026	ng	# 9
4) n-Nitrosodimethylamine	4.18	42	58	0.052	ng	# 1
6) Aniline	7.67	93	55	0.016	ng	# 38
8) 2-Chlorophenol	7.87	128	56	0.027	ng	# 1
9) Benzaldehyde	7.49	77	600	0.378	ng	# 10
10) Phenol	7.50	94	62	0.021	ng	# 1
11) bis(2-Chloroethyl)ether	7.67	93	55	0.026	ng	# 11
14) 1,2-Dichlorobenzene	8.68	146	70	0.029	ng	# 1
15) Benzyl Alcohol	8.66	79	3984	1.869	ng	# 46
18) Hexachloroethane	9.46	117	71	0.075	ng	# 1
24) Nitrobenzene	9.48	77	584	0.213	ng	# 49
25) Isophorone	10.06	82	53	0.011	ng	# 67
28) bis(2-Chloroethoxy)methane	10.76	93	61	0.021	ng	# 50
29) 2,4-Dichlorophenol	10.77	162	67	0.033	ng	# 25
40) Hexachlorocyclopentadiene	12.86	237	54	9.116	ng	# 29
45) 1,1'-Biphenyl	13.77	154	602	0.088	ng	# 77
47) 2-Nitroaniline	13.94	65	56	0.026	ng	# 16
51) Acenaphthene	14.95	154	166	0.034	ng	# 6
56) 2,4-Dinitrotoluene	15.08	165	58	0.027	ng	# 16
59) Diethylphthalate	15.74	149	61	0.009	ng	# 56
62) Azobenzene	16.43	77	1104	0.176	ng	# 7
65) n-Nitrosodiphenylamine	16.43	169	6399	0.880	ng	# 51
70) Phenanthrene	17.70	178	83	0.006	ng	# 56
71) Anthracene	17.84	178	68	0.005	ng	# 58
72) Carbazole	18.22	167	67	0.006	ng	# 55
73) Di-n-butylphthalate	18.50	149	53	0.004	ng	# 73
74) Fluoranthene	19.68	202	99	0.006	ng	# 61
76) Benzdine	19.92	184	2270	0.374	ng	# 69
77) Pyrene	20.28	202	4881	0.276	ng	# 74
79) Butylbenzylphthalate	20.97	149	54	0.008	ng	# 19
80) Benzo(a)anthracene	22.03	228	838	0.047	ng	# 59
81) 3,3'-Dichlorobenzidine	21.86	252	86	0.013	ng	# 24
82) Chrysene	22.08	228	90	0.005	ng	# 46

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091017\
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Sample : PB102150BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 11 07:10:10 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG090717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 07 18:39:50 2017
Response via : Initial Calibration

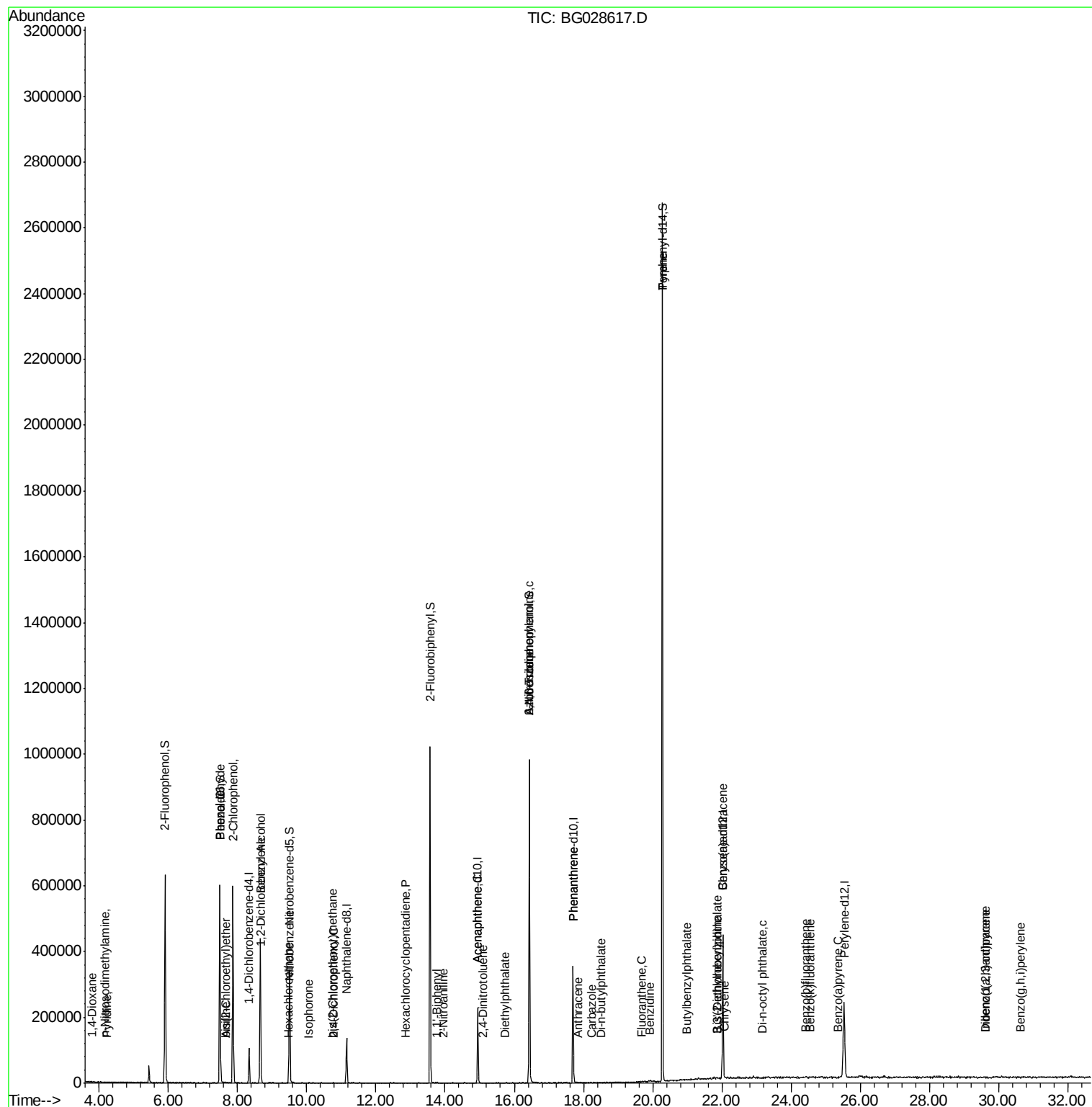
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Bis(2-ethylhexyl)phthalate	21.86	149	603	0.061	nq	# 62
84) Di-n-octyl phthalate	23.16	149	283	0.017	nq	# 1
85) Indeno(1,2,3-cd)pyrene	29.61	276	72	0.004	nq	# 1
87) Benzo(b)fluoranthene	24.42	252	63	0.003	nq	# 1
88) Benzo(k)fluoranthene	24.54	252	78	0.004	nq	# 56
89) Benzo(a)pyrene	25.34	252	75	0.004	nq	# 20
90) Dibenzo(a,h)anthracene	29.62	278	91	0.005	nq	# 58
91) Benzo(a,h,i)perylene	30.62	276	61	0.003	nq	# 59

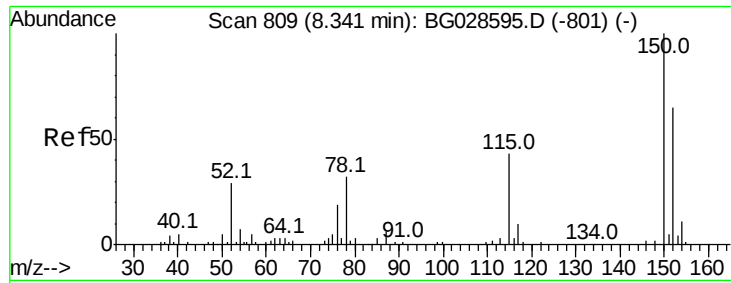
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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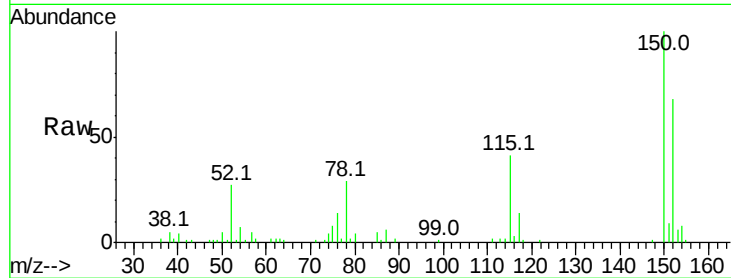


#1

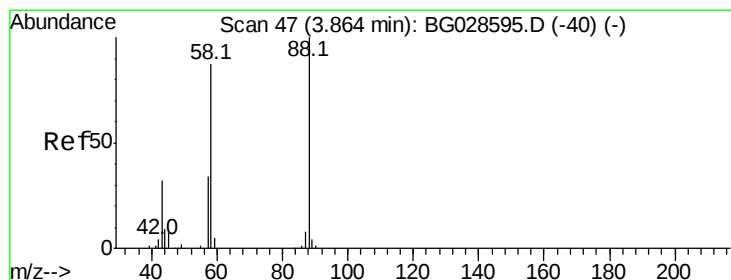
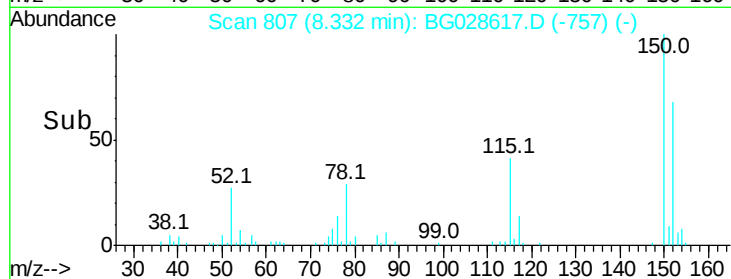
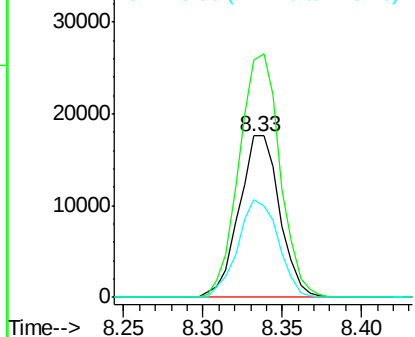
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.33 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31223
Ion Ratio Lower Upper
152 100
150 146.9 114.0 171.0
115 60.6 48.1 72.1



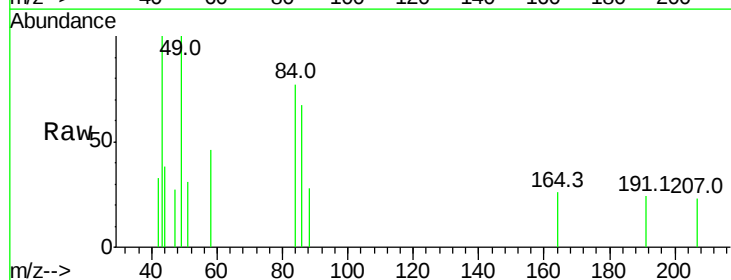
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



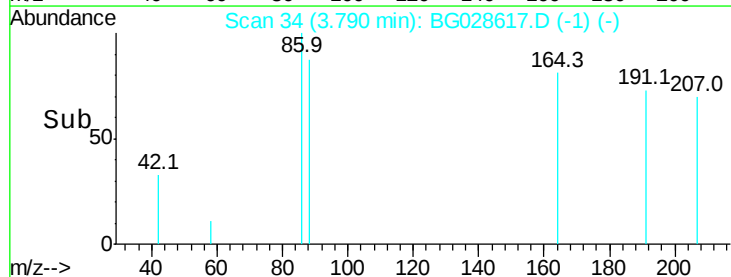
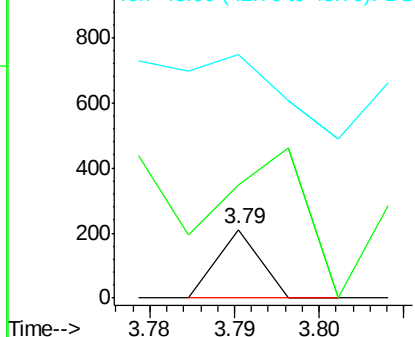
#2

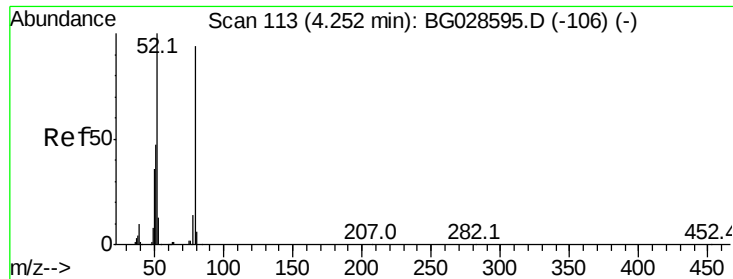
1,4-Dioxane
Concen: 0.098 ng
RT: 3.79 min Scan# 34
Delta R.T. -0.07 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
58 124.3 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: 0.026 ng

RT: 4.23 min Scan# 109

Delta R.T. -0.02 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

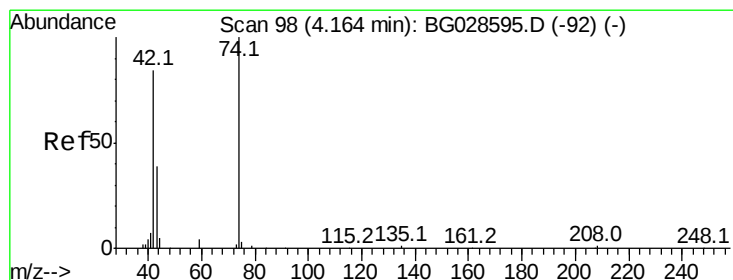
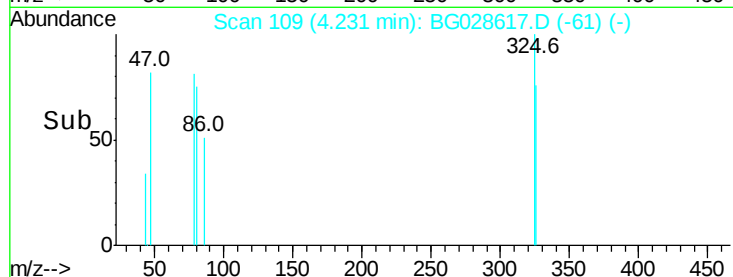
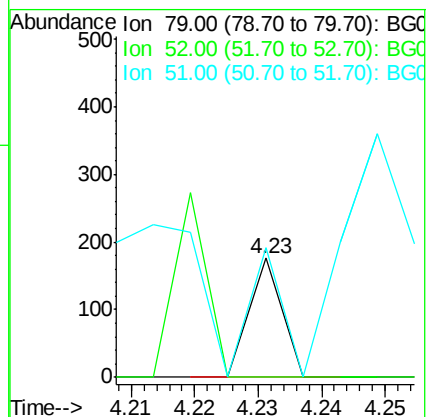
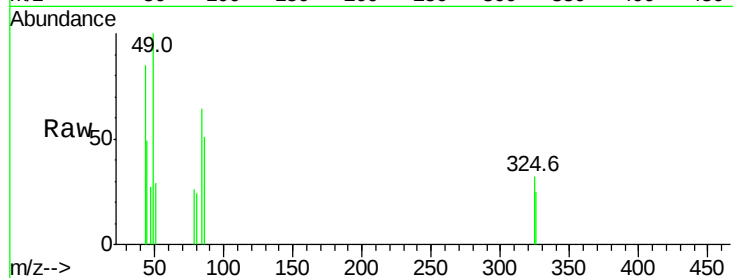
Tot Ion: 79 Resp: 62

Ion Ratio Lower Upper

79 100

52 0.0 77.8 116.6#

51 109.1 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 0.052 ng

RT: 4.18 min Scan# 100

Delta R.T. 0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

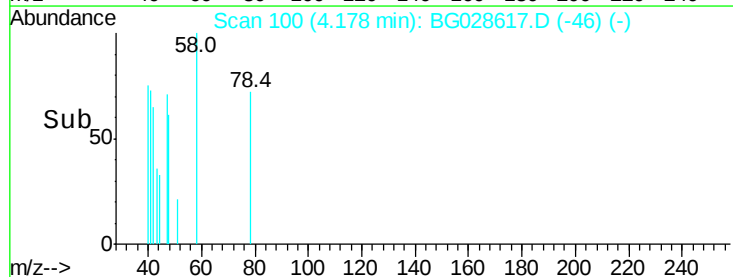
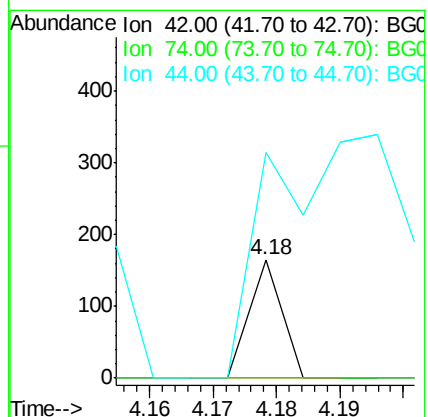
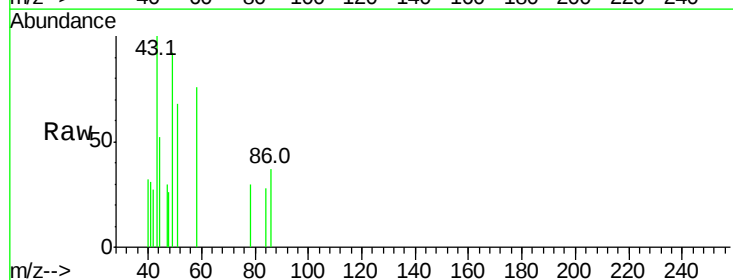
Tgt Ion: 42 Resp: 58

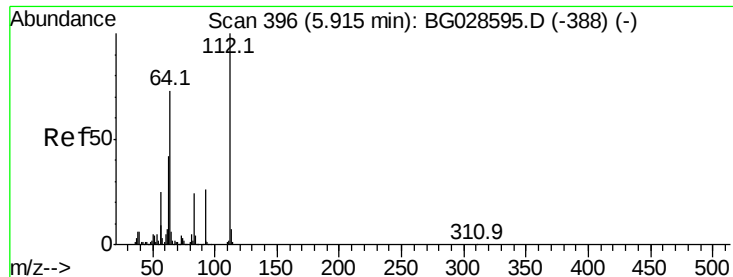
Ion Ratio Lower Upper

42 100

74 0.0 76.7 115.1#

44 190.9 6.1 9.1#





#5

2-Fluorophenol

Concen: 142.610 ng

RT: 5.91 min Scan# 394

Delta R.T. -0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

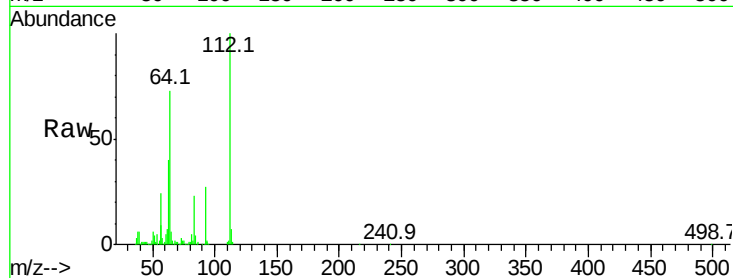
Tot Ion:112 Resp: 264454

Ion Ratio Lower Upper

112 100

64 72.5 61.8 92.6

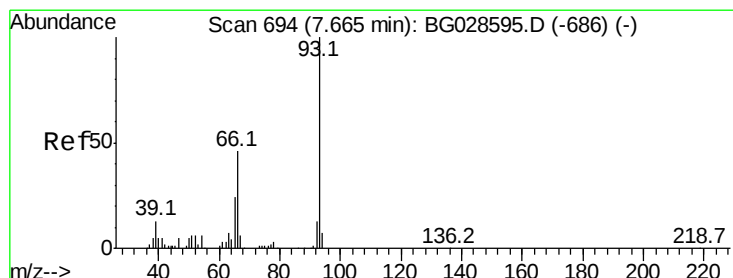
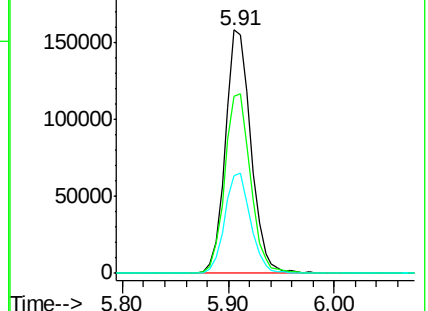
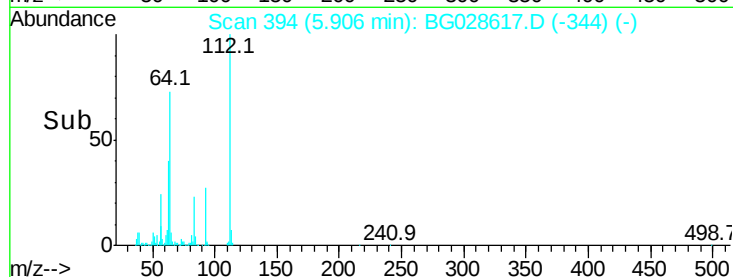
63 40.0 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.016 ng

RT: 7.67 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

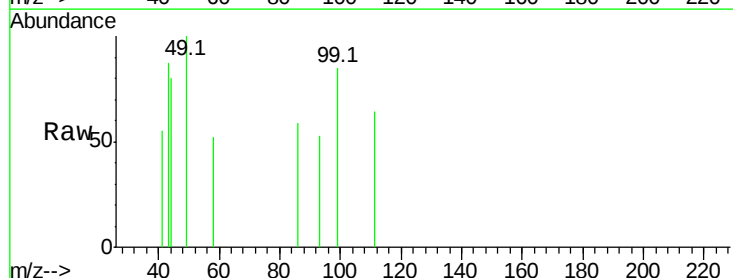
Tgt Ion: 93 Resp: 55

Ion Ratio Lower Upper

93 100

66 0.0 35.4 53.2#

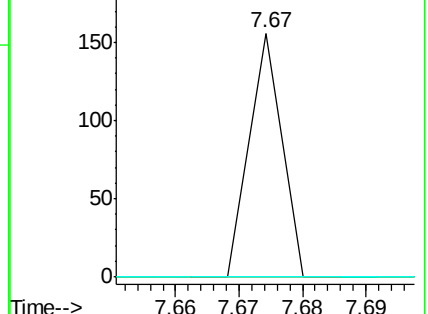
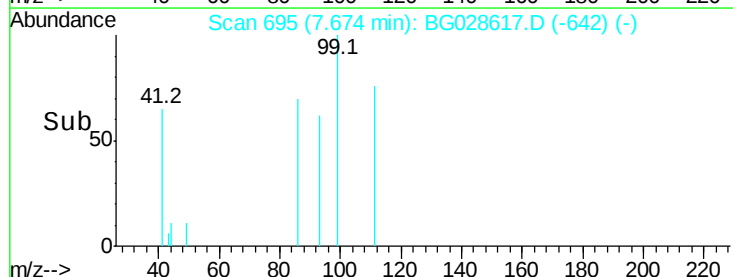
65 0.0 21.2 31.8#

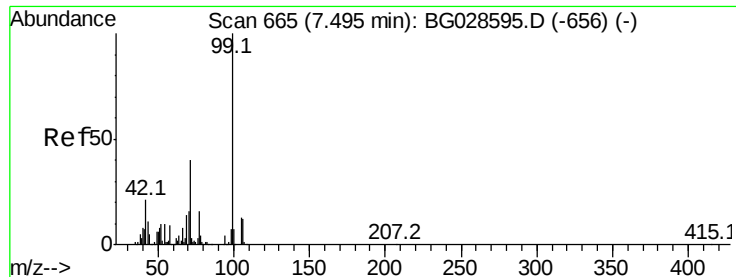


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 131.655 ng

RT: 7.49 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

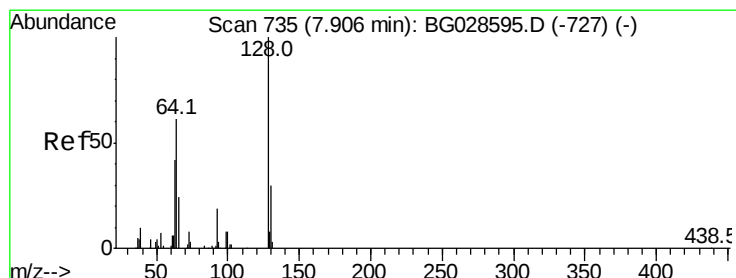
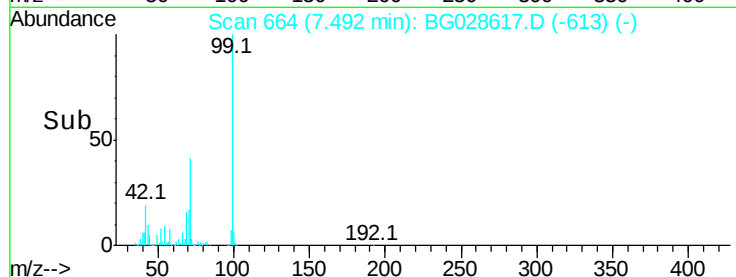
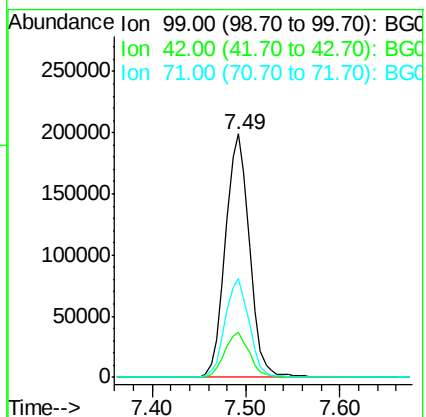
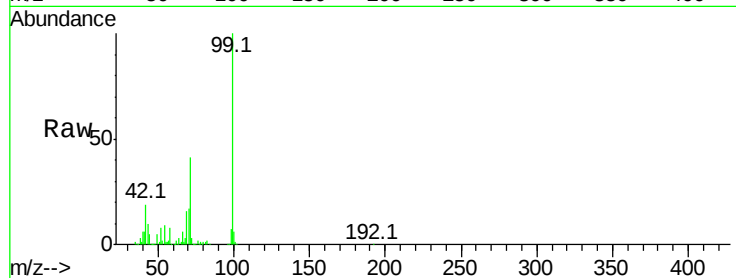
Tot Ion: 99 Resp: 354120

Ion Ratio Lower Upper

99 100

42 18.6 20.5 30.7#

71 40.8 37.6 56.4



#8

2-Chlorophenol

Concen: 0.027 ng

RT: 7.87 min Scan# 728

Delta R.T. -0.04 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

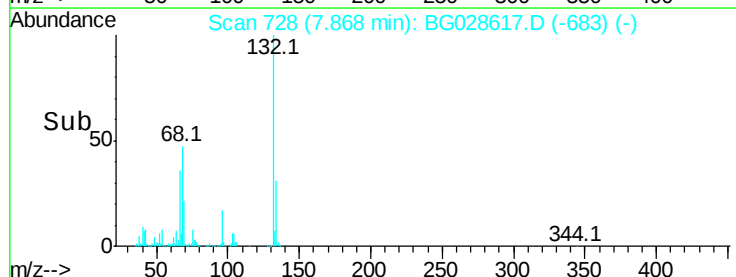
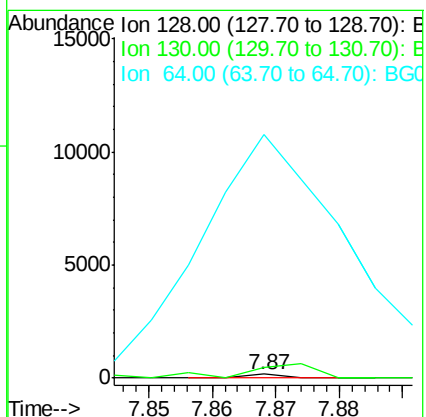
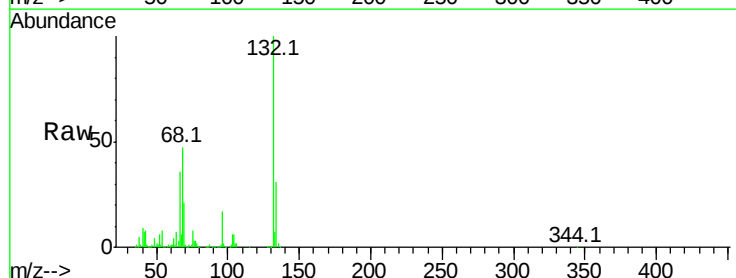
Tgt Ion:128 Resp: 56

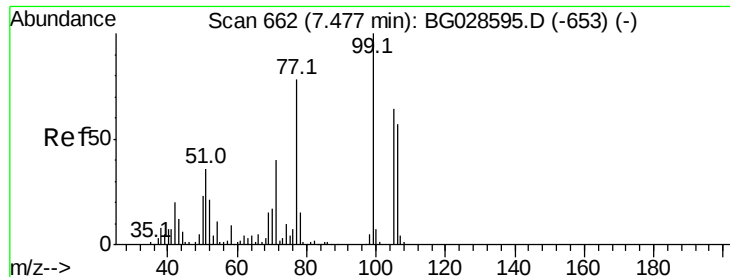
Ion Ratio Lower Upper

128 100

130 309.4 11.4 51.4#

64 6727.5 46.6 86.6#





#9

Benzaldehyde

Concen: 0.378 ng

RT: 7.49 min Scan# 664

Delta R.T. 0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

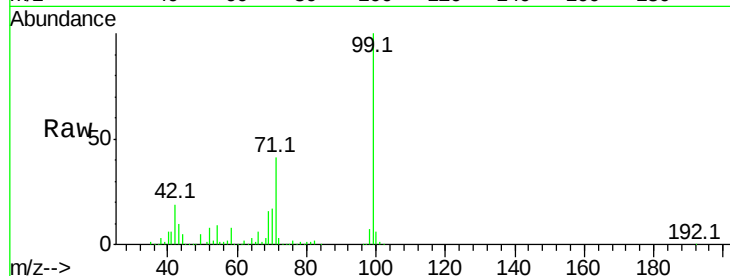
Tot Ion: 77 Resp: 600

Ion Ratio Lower Upper

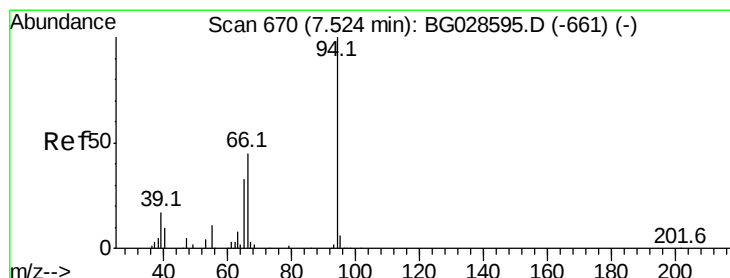
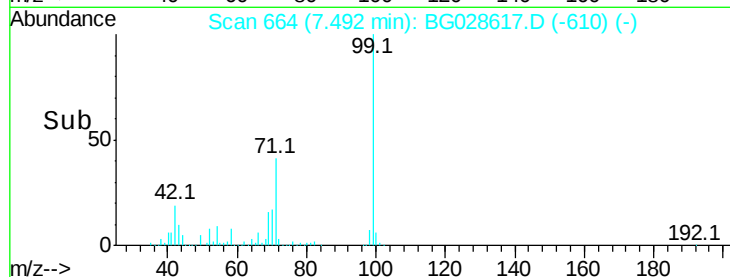
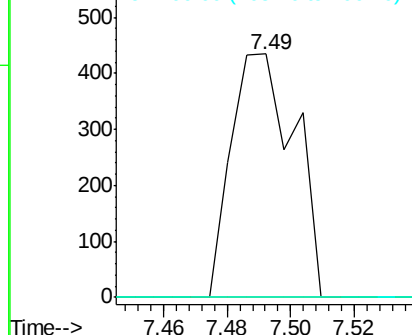
77 100

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



#10

Phenol

Concen: 0.021 ng

RT: 7.50 min Scan# 665

Delta R.T. -0.03 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

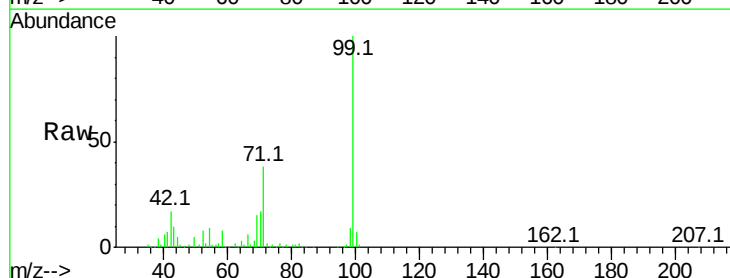
Tgt Ion: 94 Resp: 62

Ion Ratio Lower Upper

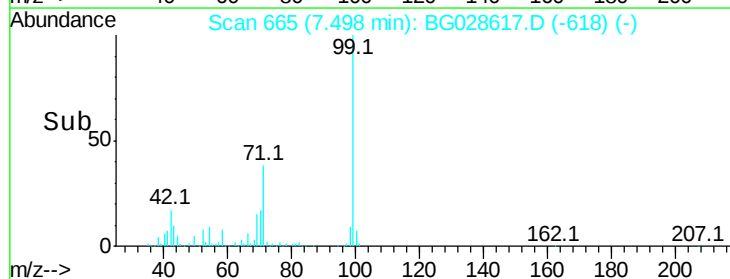
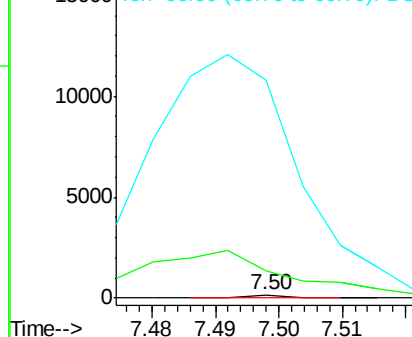
94 100

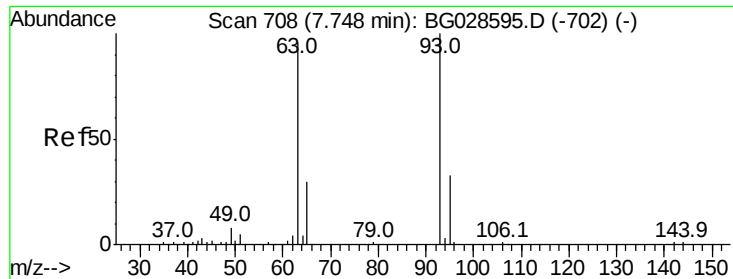
65 769.1 20.6 60.6#

66 6165.1 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: 0.026 ng

RT: 7.67 min Scan# 695

Delta R.T. -0.07 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampled :

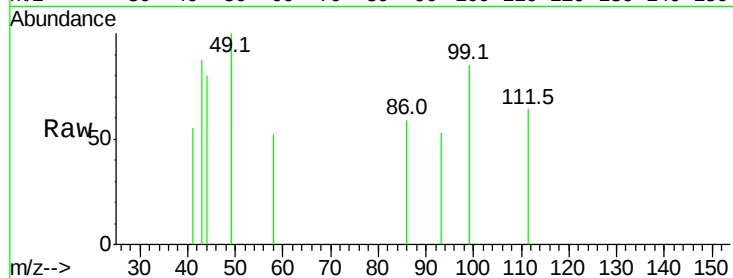
Tot Ion: 93 Resp: 55

Ion Ratio Lower Upper

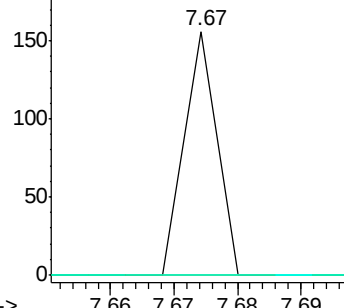
93 100

63 0.0 78.5 118.5#

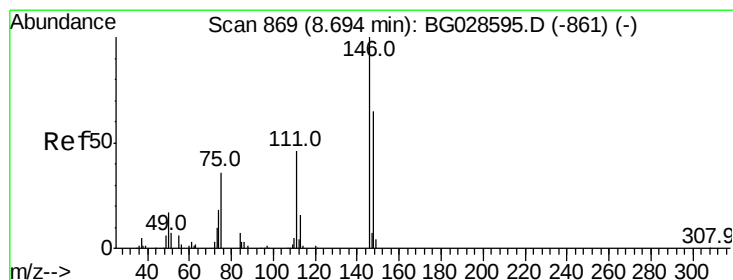
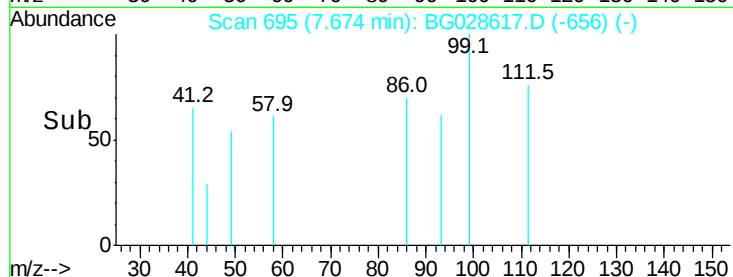
95 0.0 9.8 49.8#



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



Time-->



#14

1,2-Dichlorobenzene

Concen: 0.029 ng

RT: 8.68 min Scan# 866

Delta R.T. -0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

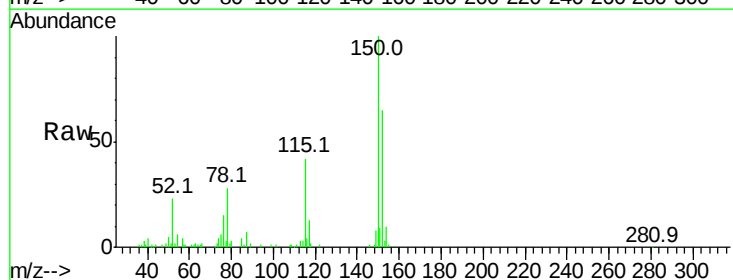
Tgt Ion: 146 Resp: 70

Ion Ratio Lower Upper

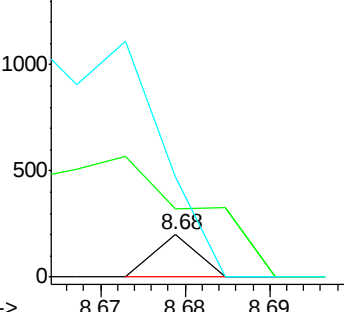
146 100

148 162.8 54.6 81.8#

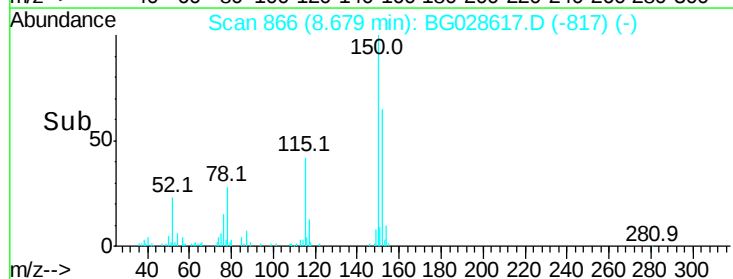
111 236.2 39.7 59.5#

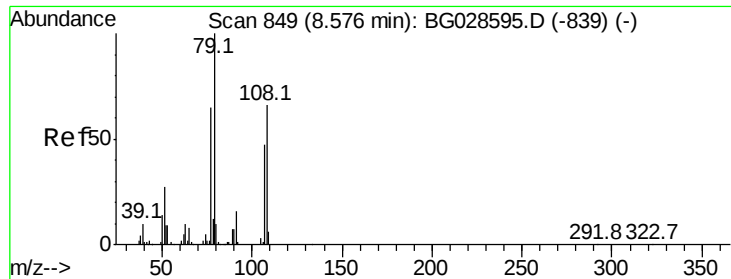


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



Time-->





#15

Benzyl Alcohol

Concen: 1.869 ng

RT: 8.66 min Scan# 863

Delta R.T. 0.09 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

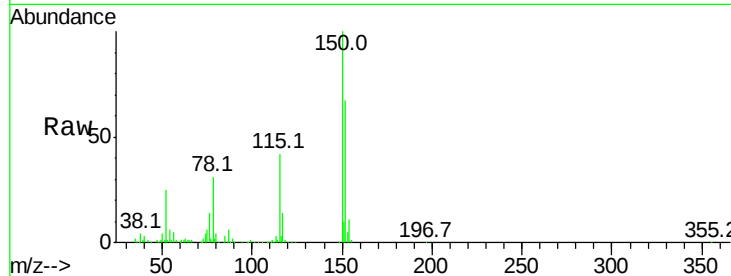
Tot Ion: 79 Resp: 3984

Ion Ratio Lower Upper

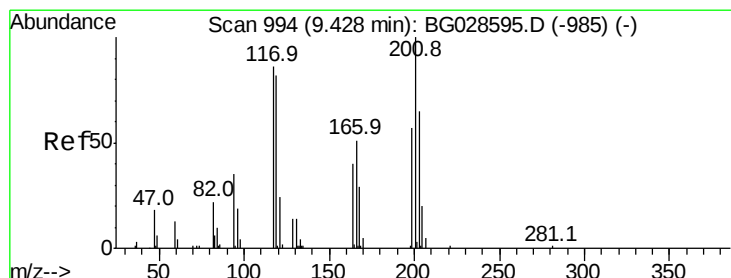
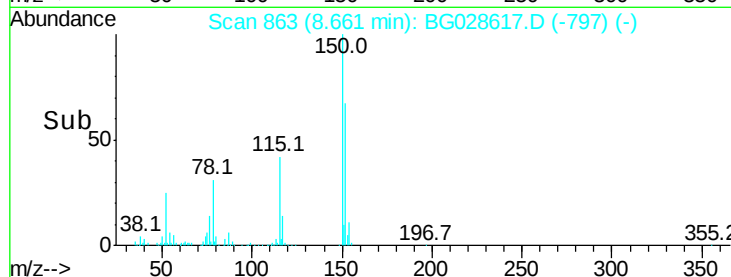
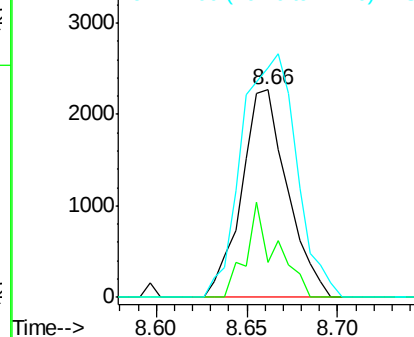
79 100

108 16.6 45.5 68.3#

77 110.8 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



#18

Hexachloroethane

Concen: 0.075 ng

RT: 9.46 min Scan# 999

Delta R.T. 0.03 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

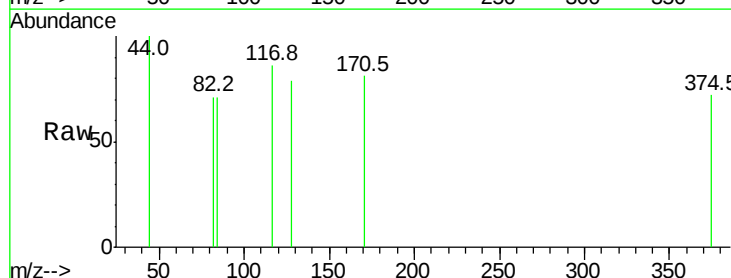
Tgt Ion: 117 Resp: 71

Ion Ratio Lower Upper

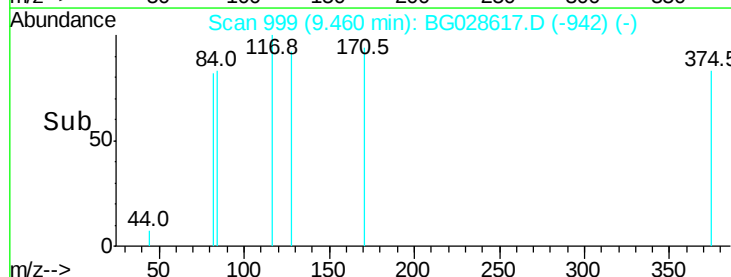
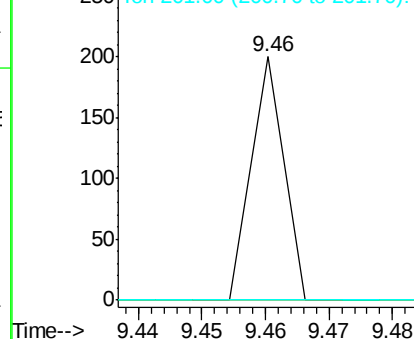
117 100

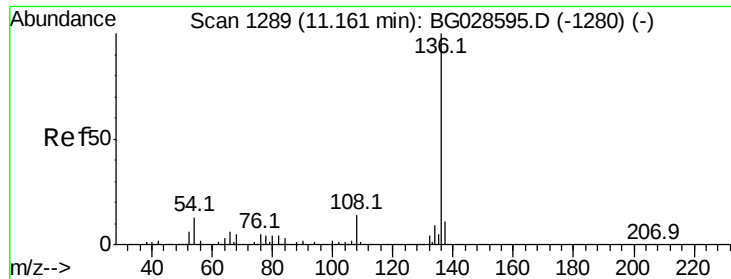
119 0.0 69.8 104.6#

201 0.0 95.4 143.0#



Abundance Ion 117.00 (116.70 to 117.70): BGC
Ion 119.00 (118.70 to 119.70): BGC
Ion 201.00 (200.70 to 201.70): BGC

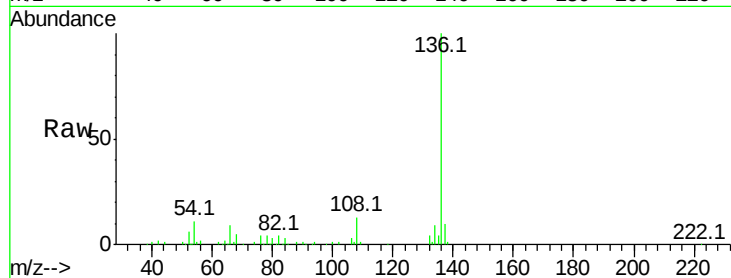




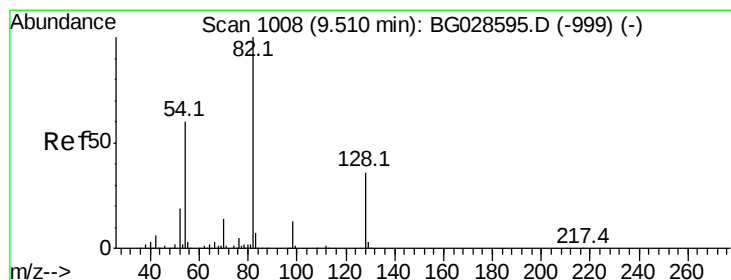
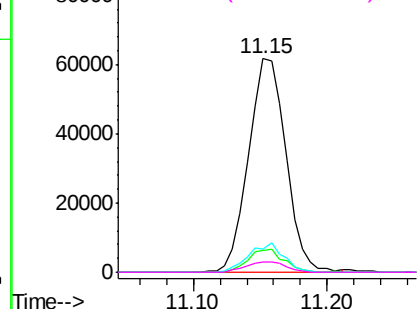
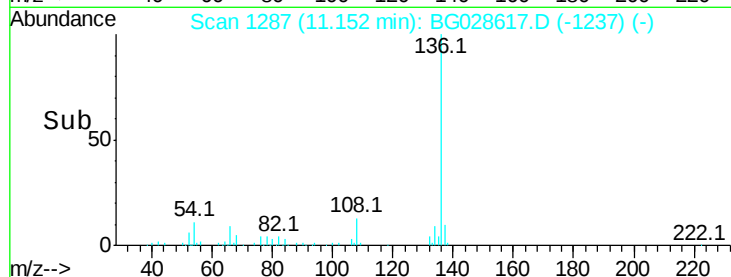
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.15 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 119016
Ion Ratio Lower Upper
136 100
137 10.0 8.9 13.3
54 11.1 9.3 13.9
68 4.8 5.1 7.7#

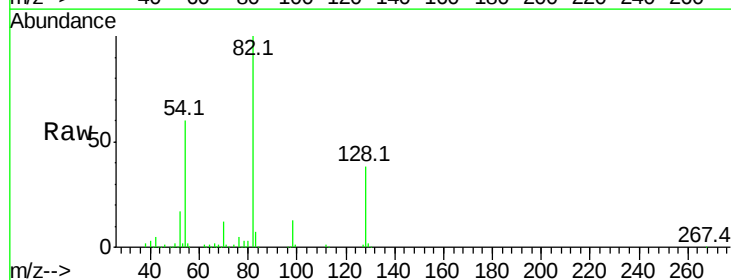


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

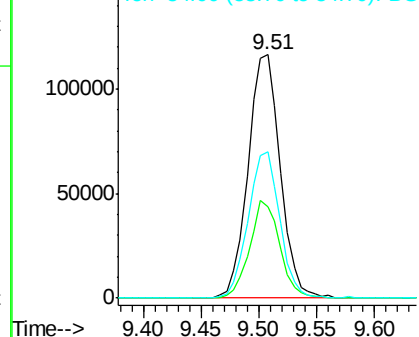
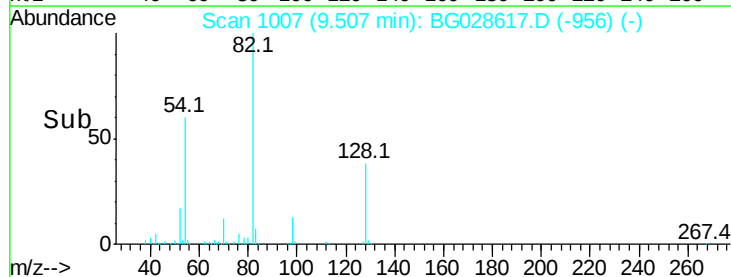


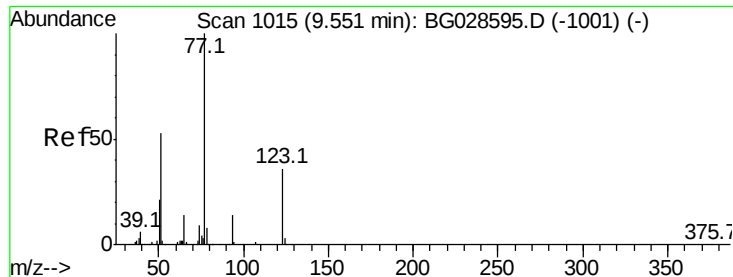
#23
Nitrobenzene-d5
Concen: 87.192 ng
RT: 9.51 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

Tgt Ion: 82 Resp: 225997
Ion Ratio Lower Upper
82 100
128 37.7 26.4 39.6
54 59.9 49.4 74.2



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





#24

Nitrobenzene

Concen: 0.213 ng

RT: 9.48 min Scan# 1003

Delta R.T. -0.07 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

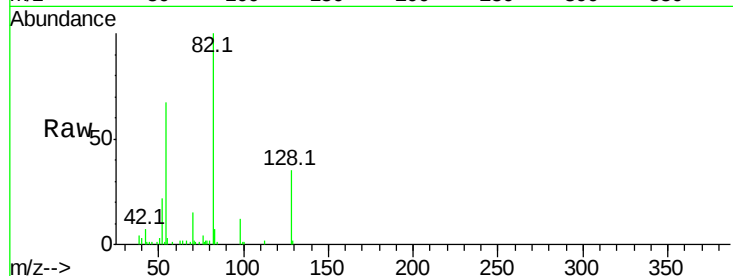
Tot Ion: 77 Resp: 584

Ion Ratio Lower Upper

77 100

123 0.0 26.1 39.1#

65 0.0 12.4 18.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

600

500

400

300

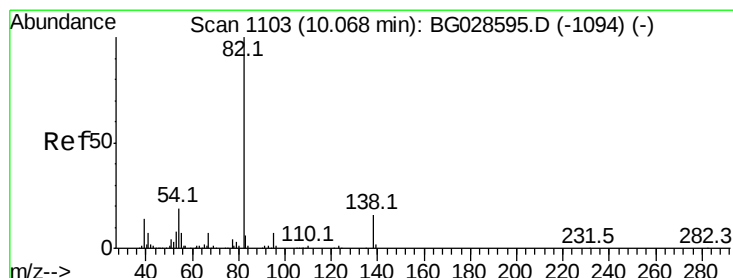
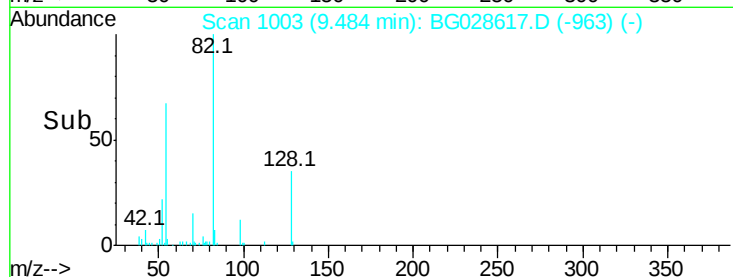
200

100

0

9.46 9.48 9.50 9.52

Time-->



#25

Isophorone

Concen: 0.011 ng

RT: 10.06 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

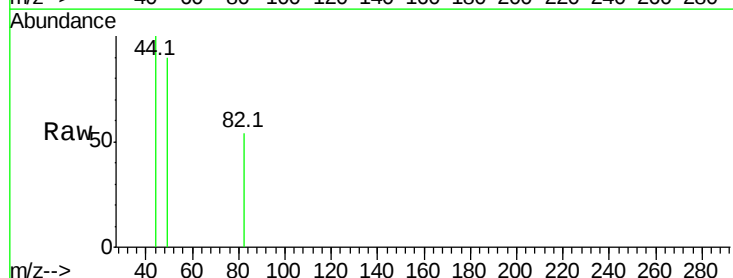
Tgt Ion: 82 Resp: 53

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

200

150

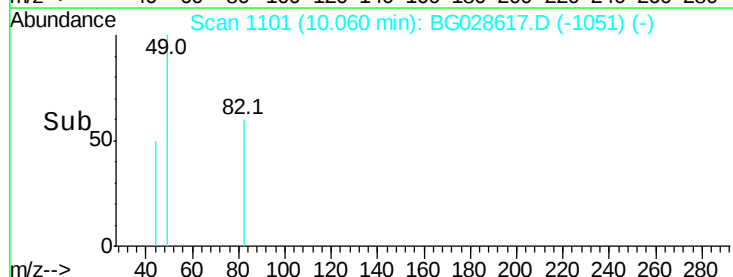
100

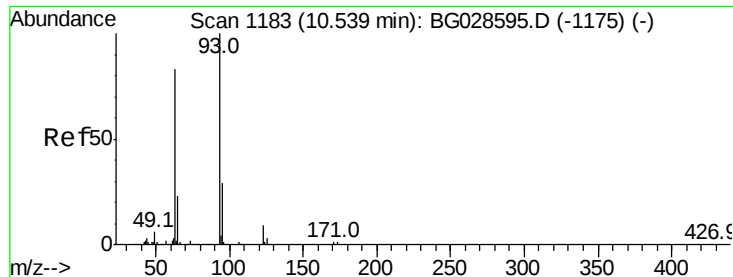
50

0

10.05 10.06 10.07

Time-->

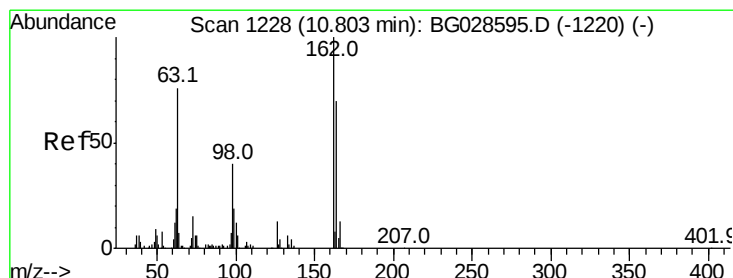
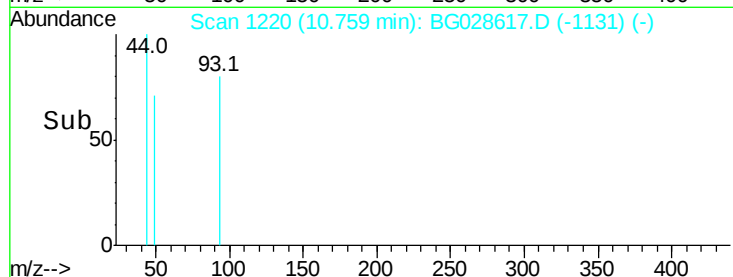
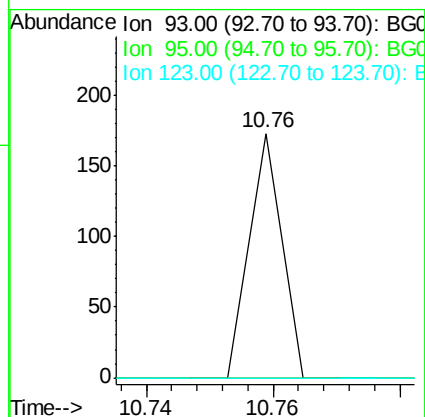
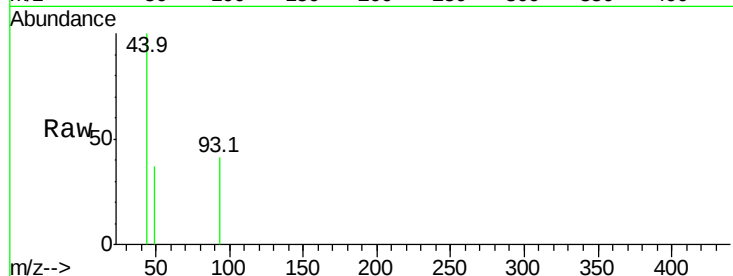




#28
bis(2-Chloroethoxy)methane
Concen: 0.021 ng
RT: 10.76 min Scan# 1220
Delta R.T. 0.22 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

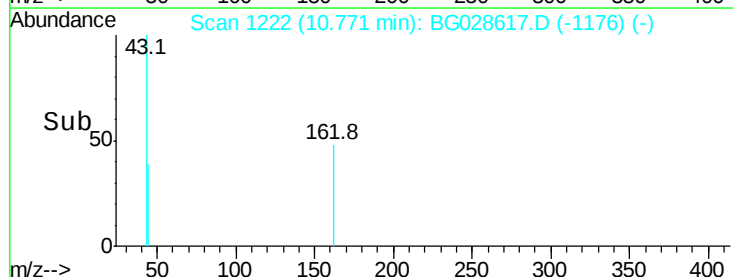
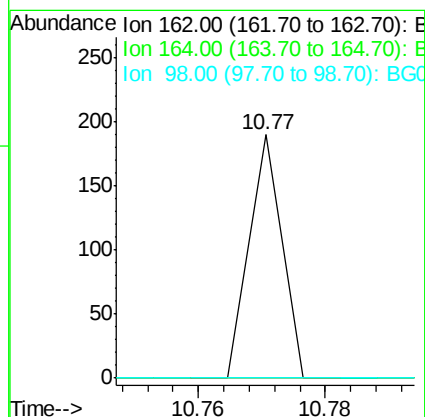
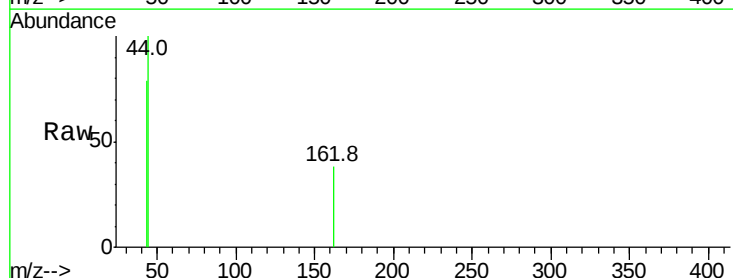
Instrument :
BNA_G
ClientSampleId :

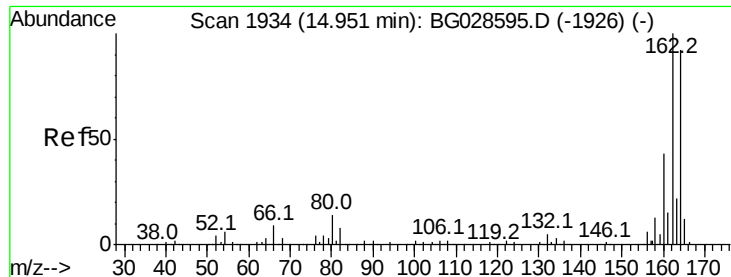
Tot Ion: 93 Resp: 61
Ion Ratio Lower Upper
93 100
95 0.0 25.7 38.5#
123 0.0 8.3 12.5#



#29
2,4-Dichlorophenol
Concen: 0.033 ng
RT: 10.77 min Scan# 1222
Delta R.T. -0.03 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

Tgt Ion:162 Resp: 67
Ion Ratio Lower Upper
162 100
164 0.0 42.4 82.4#
98 0.0 20.3 60.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.95 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

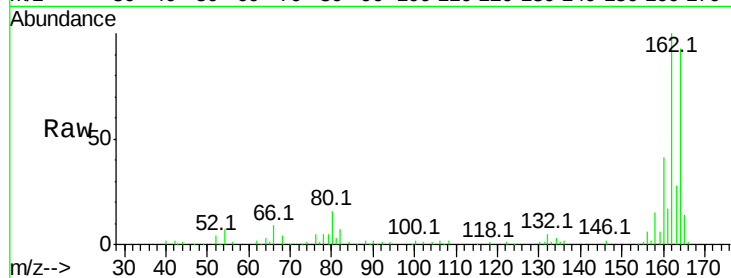
Tot Ion:164 Resp: 81370

Ion Ratio Lower Upper

164 100

162 107.4 85.1 127.7

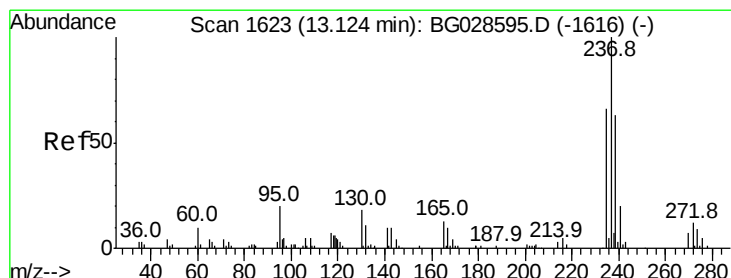
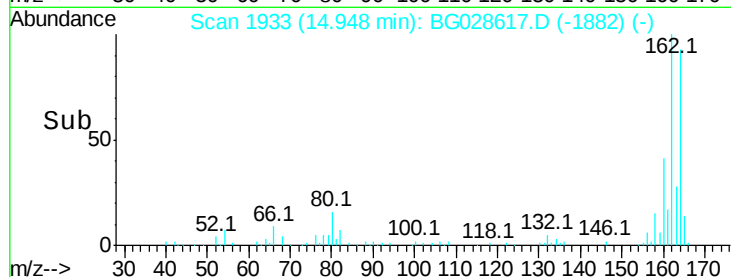
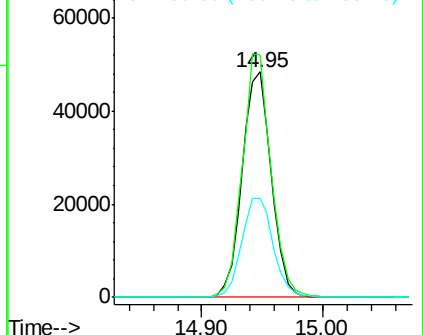
160 43.8 34.7 52.1



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



#40

Hexachlorocyclopentadiene

Concen: 9.116 ng

RT: 12.86 min Scan# 1577

Delta R.T. -0.27 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

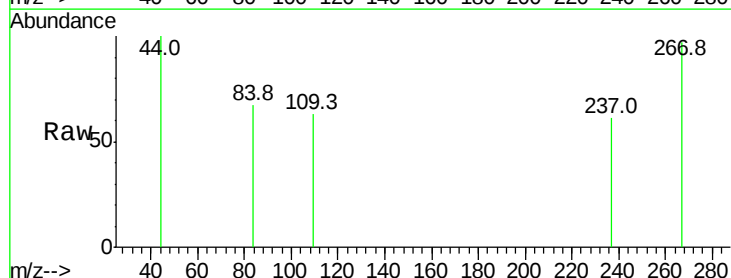
Tgt Ion:237 Resp: 54

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

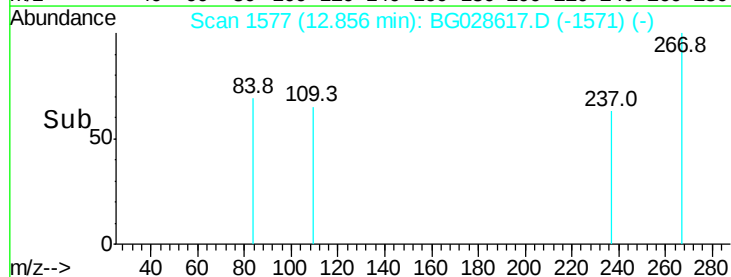
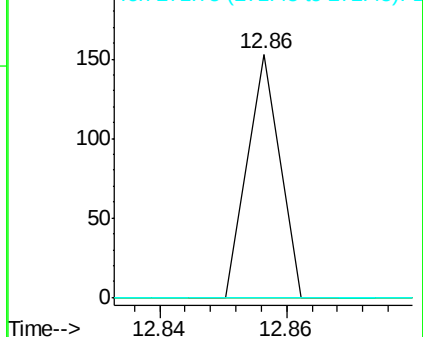
272 0.0 0.0 32.0

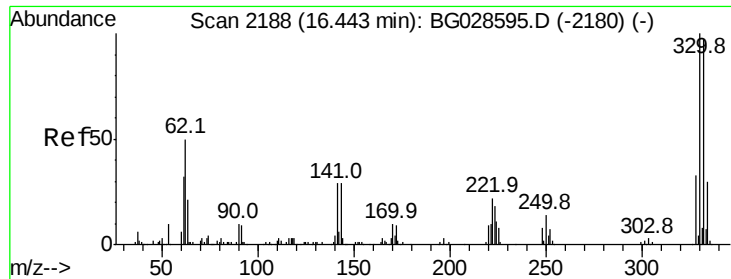


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

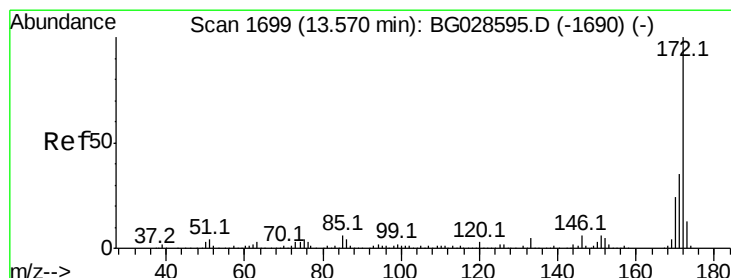
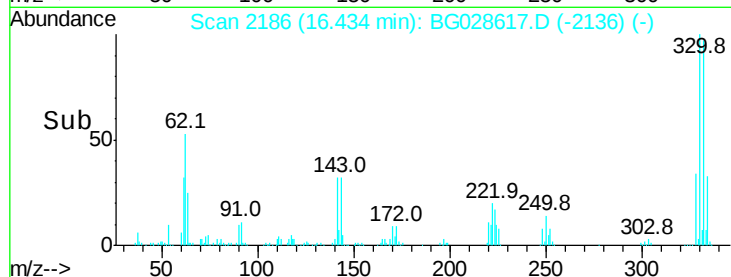
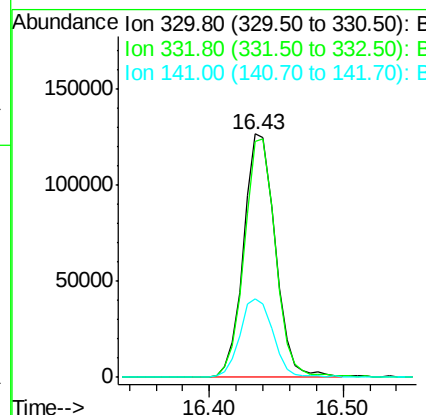
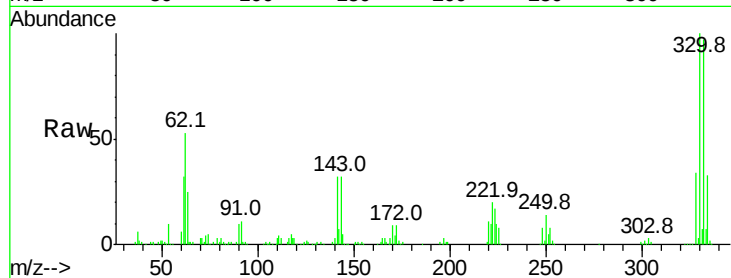




#41
 2,4,6-Tribromophenol
 Concen: 167.346 ng
 RT: 16.43 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BG028617.D
 Acq: 9 Sep 2017 16:21

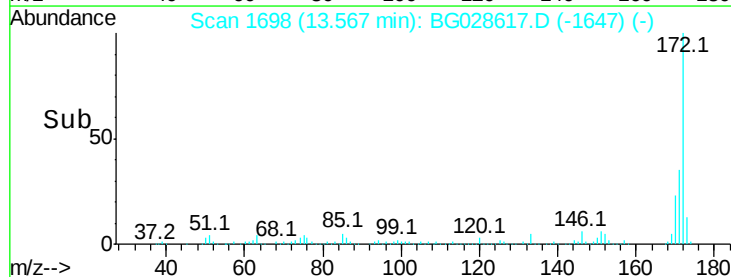
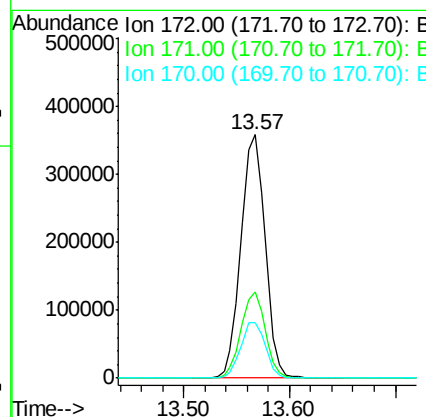
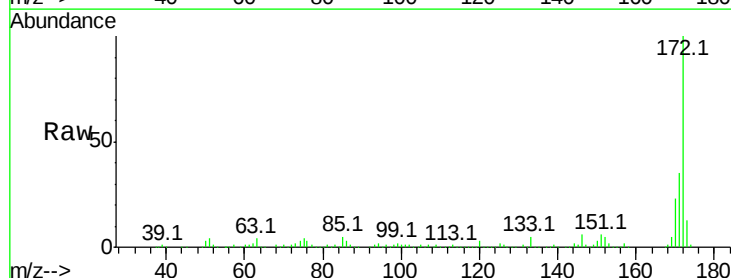
Instrument :
 BNA_G
 ClientSampleId :

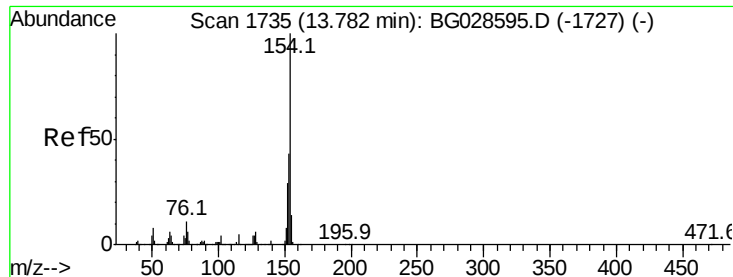
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	34.1	32.1	48.1



#44
 2-Fluorobiphenyl
 Concen: 90.924 ng
 RT: 13.57 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: BG028617.D
 Acq: 9 Sep 2017 16:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	32.2	48.2
170	23.0	21.8	32.6





#45

1,1'-Biphenyl

Concen: 0.088 ng

RT: 13.77 min Scan# 1733

Delta R.T. -0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

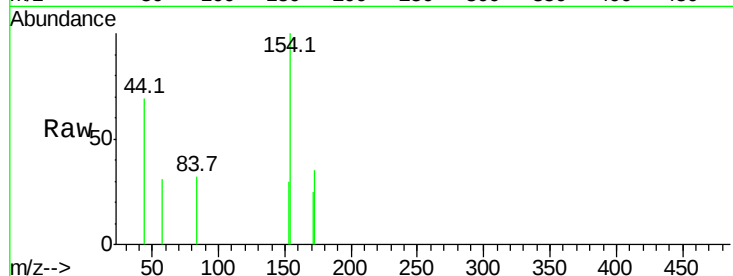
Tot Ion:154 Resp: 602

Ion Ratio Lower Upper

154 100

153 30.3 23.0 63.0

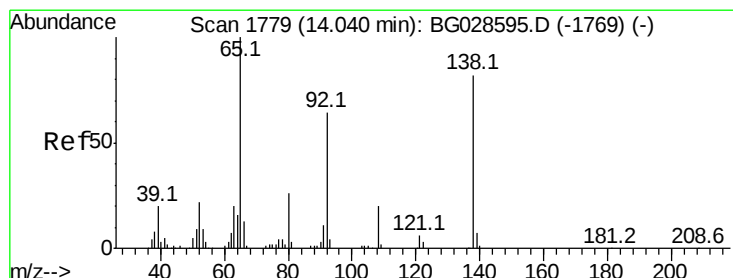
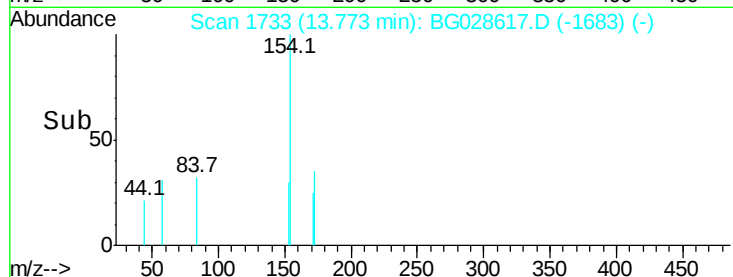
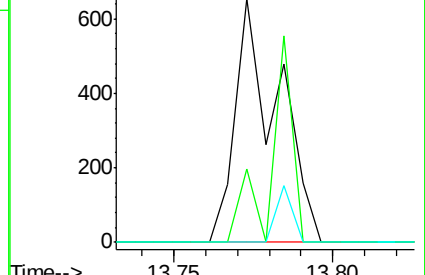
76 0.0 0.0 33.5



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): BGC



#47

2-Nitroaniline

Concen: 0.026 ng

RT: 13.94 min Scan# 1762

Delta R.T. -0.10 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

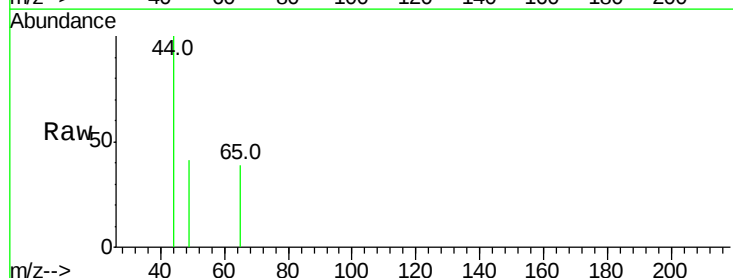
Tgt Ion: 65 Resp: 56

Ion Ratio Lower Upper

65 100

92 0.0 49.0 73.4#

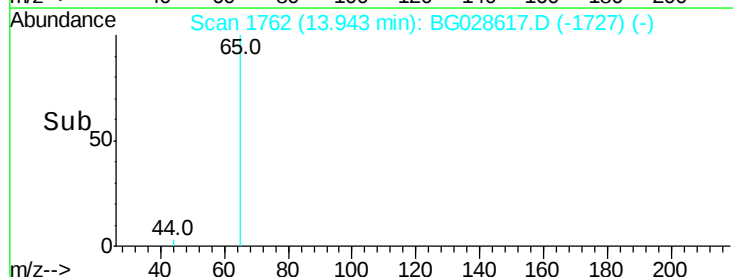
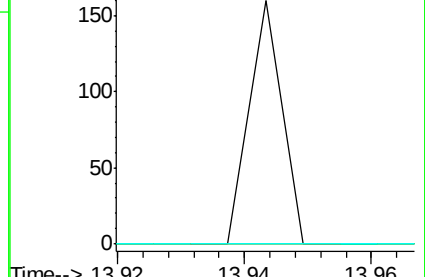
138 0.0 58.6 87.8#

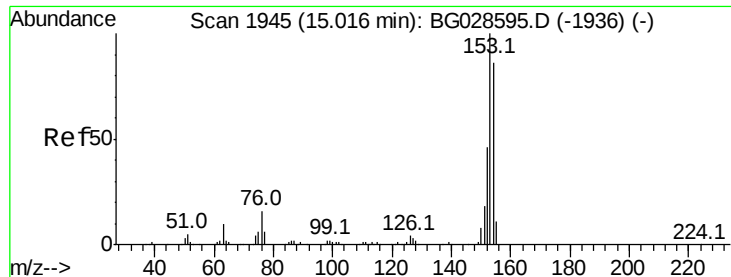


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#51

Acenaphthene

Concen: 0.034 ng

RT: 14.95 min Scan# 1934

Delta R.T. -0.06 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

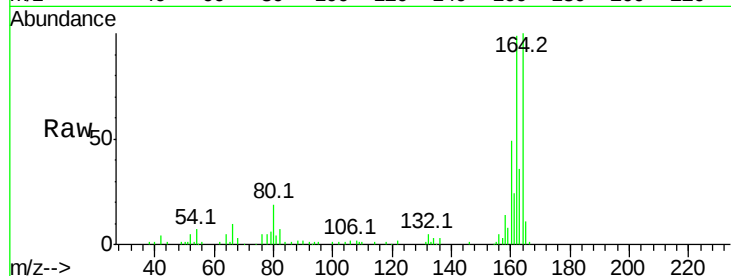
Tot Ion:154 Resp: 166

Ion Ratio Lower Upper

154 100

153 0.0 87.8 131.6#

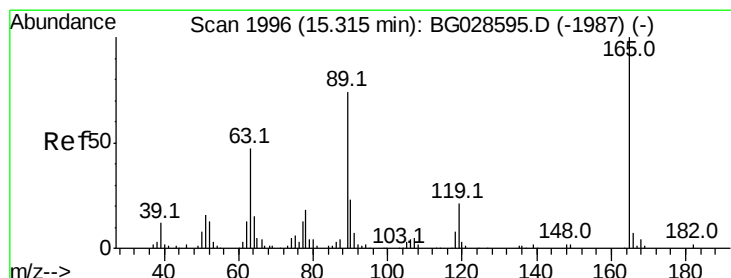
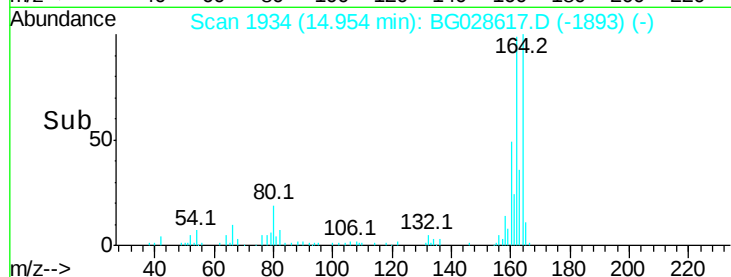
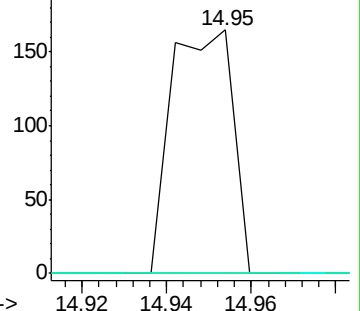
152 0.0 42.2 63.4#



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



#56

2,4-Dinitrotoluene

Concen: 0.027 ng

RT: 15.08 min Scan# 1956

Delta R.T. -0.23 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Tgt Ion:165 Resp: 58

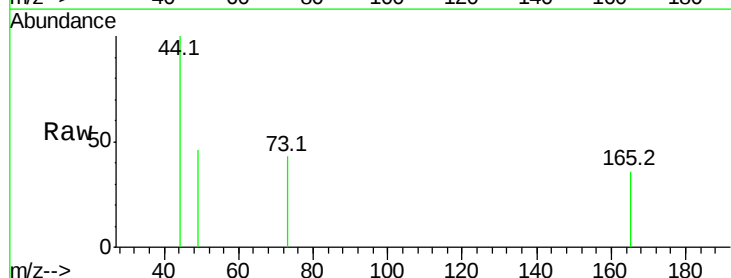
Ion Ratio Lower Upper

165 100

63 0.0 44.0 66.0#

89 0.0 67.3 100.9#

182 0.0 3.8 5.6#

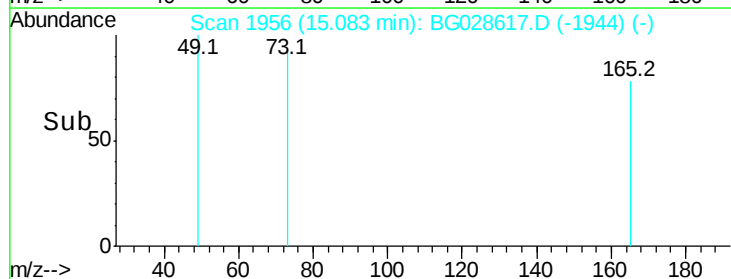
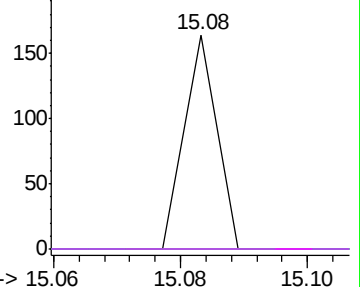


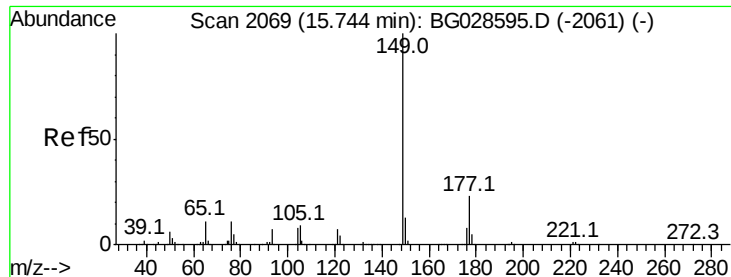
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#59

Diethylphthalate

Concen: 0.009 ng

RT: 15.74 min Scan# 2067

Delta R.T. -0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

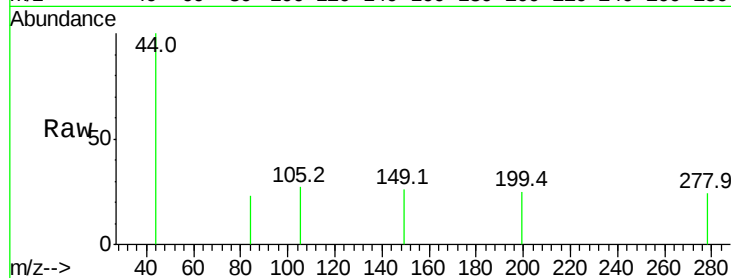
Tot Ion:149 Resp: 61

Ion Ratio Lower Upper

149 100

177 0.0 20.1 30.1#

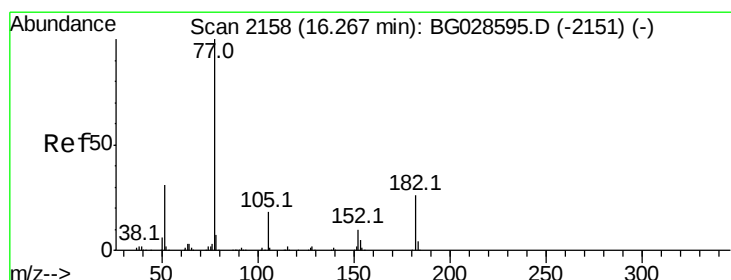
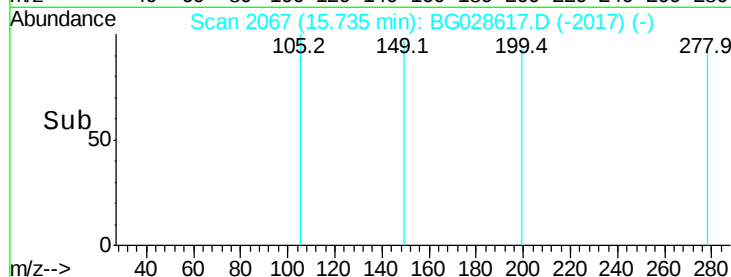
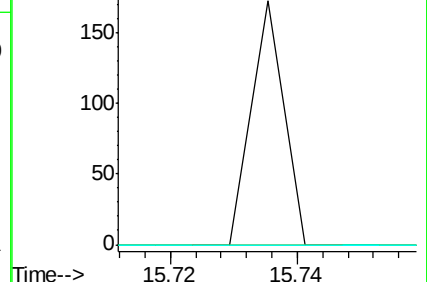
150 0.0 10.2 15.2#



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: 0.176 ng

RT: 16.43 min Scan# 2186

Delta R.T. 0.17 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Tgt Ion: 77 Resp: 1104

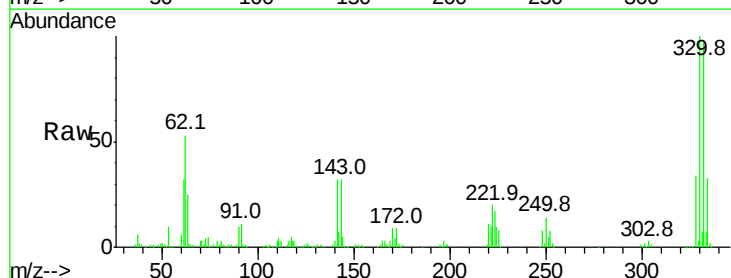
Ion Ratio Lower Upper

77 100

182 0.0 4.7 44.7#

105 101.6 0.0 36.3#

51 81.2 16.4 56.4#

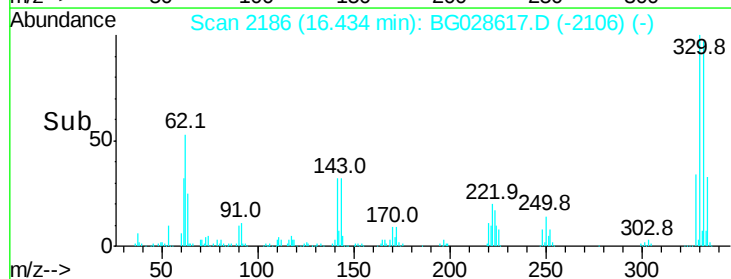
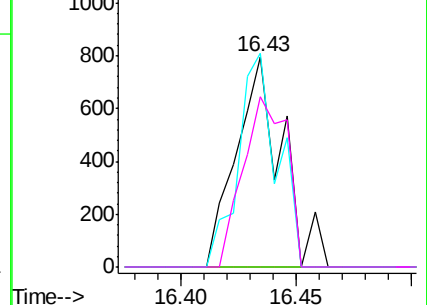


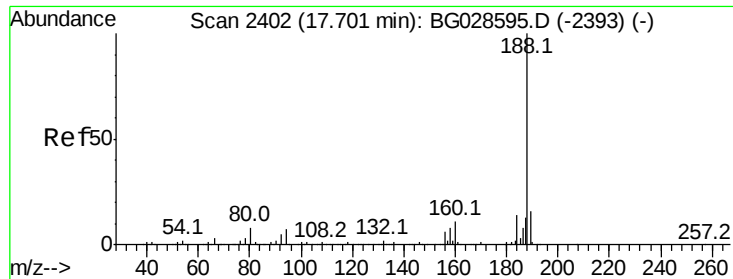
Abundance Ion 77.00 (76.70 to 77.70): BGC

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

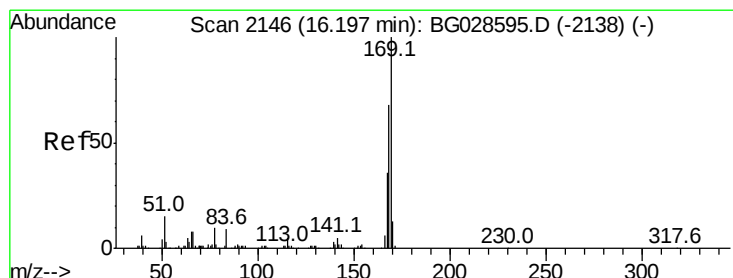
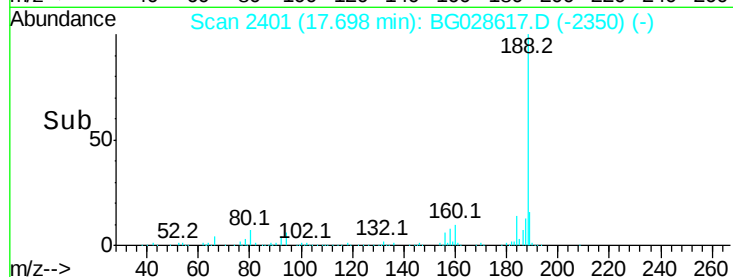
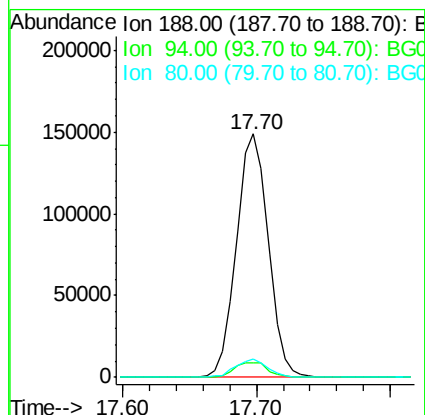
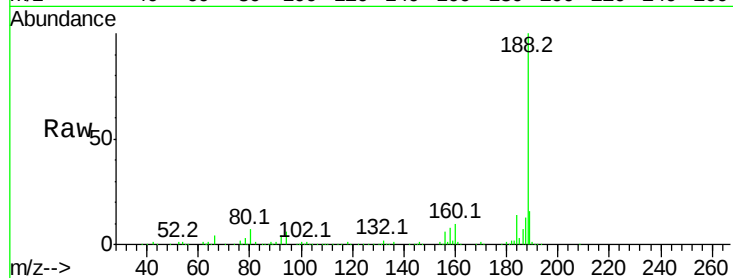




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.70 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

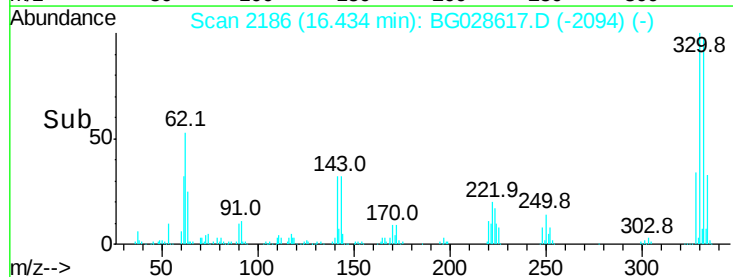
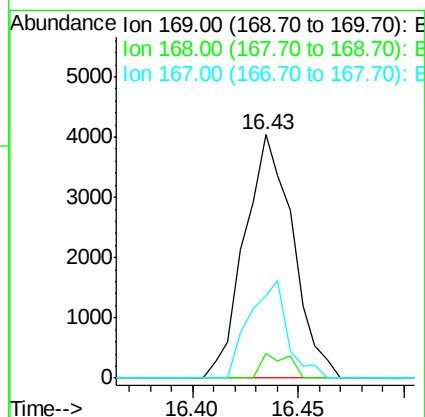
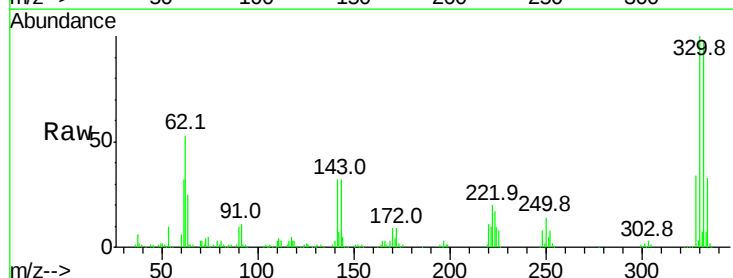
Instrument :
BNA_G
ClientSampleId :

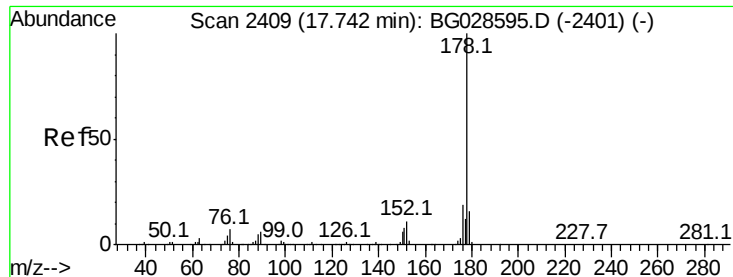
Tot Ion:188 Resp: 246124
Ion Ratio Lower Upper
188 100
94 5.9 5.8 8.8
80 7.4 7.5 11.3#



#65
n-Nitrosodiphenylamine
Concen: 0.880 ng
RT: 16.43 min Scan# 2186
Delta R.T. 0.24 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

Tgt Ion:169 Resp: 6399
Ion Ratio Lower Upper
169 100
168 10.2 55.7 83.5#
167 33.9 29.8 44.6

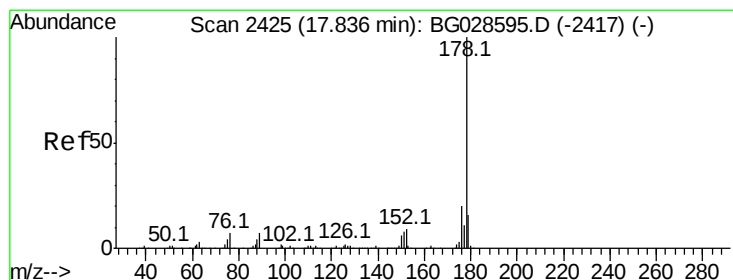
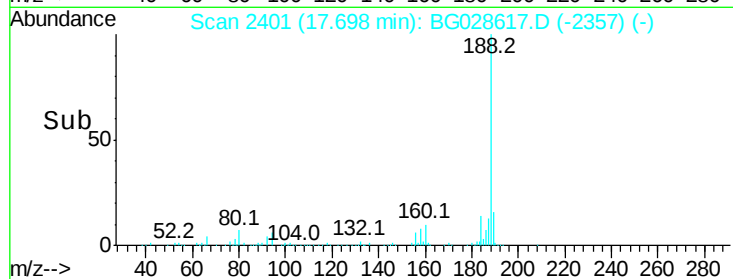
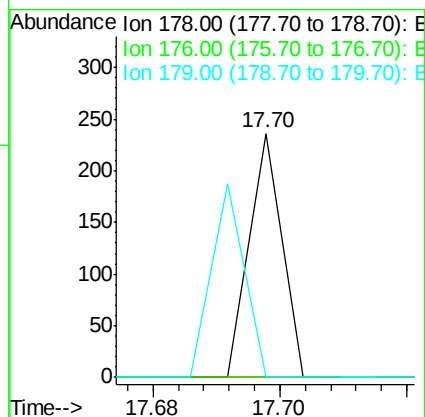
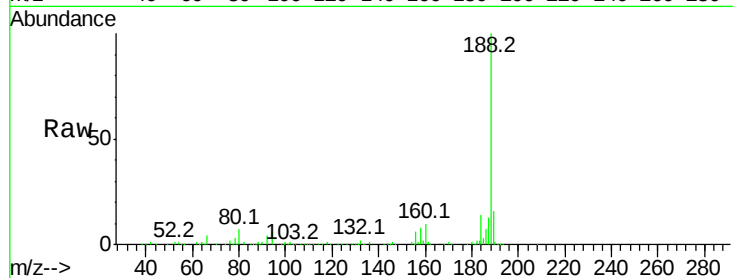




#70
Phenanthrene
Concen: 0.006 ng
RT: 17.70 min Scan# 2401
Delta R.T. -0.04 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

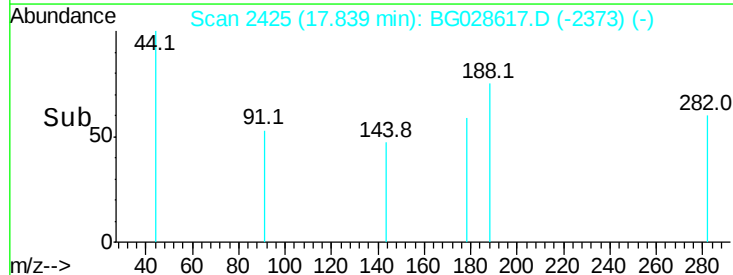
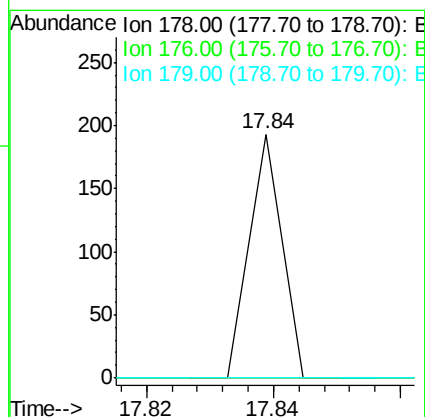
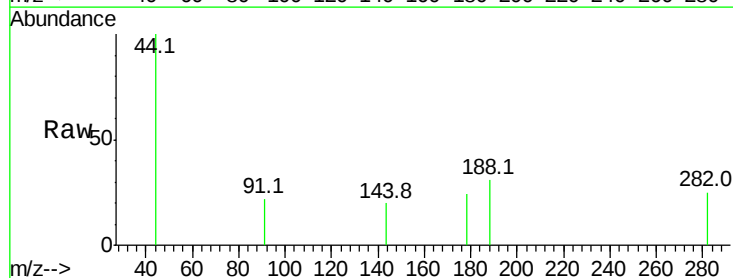
Instrument :
BNA_G
ClientSampleId :

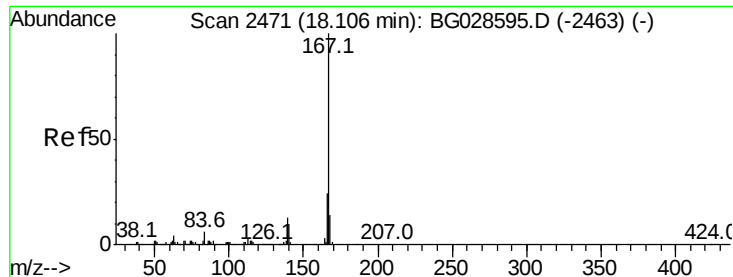
Tot Ion:178 Resp: 83
Ion Ratio Lower Upper
178 100
176 0.0 17.7 26.5#
179 0.0 15.0 22.6#



#71
Anthracene
Concen: 0.005 ng
RT: 17.84 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

Tgt Ion:178 Resp: 68
Ion Ratio Lower Upper
178 100
176 0.0 16.4 24.6#
179 0.0 13.8 20.8#





#72

Carbazole

Concen: 0.006 ng

RT: 18.22 min Scan# 2490

Delta R.T. 0.11 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampled :

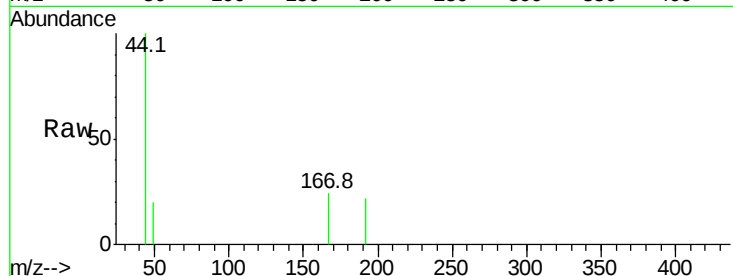
Tot Ion:167 Resp: 67

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

18.22

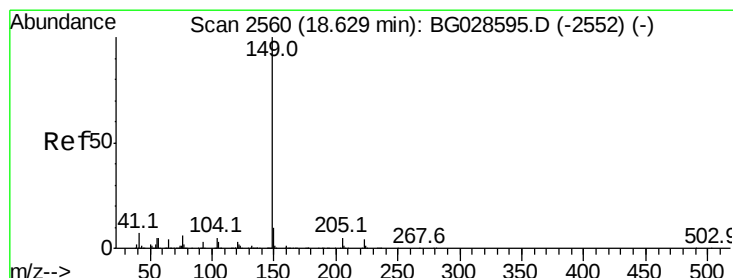
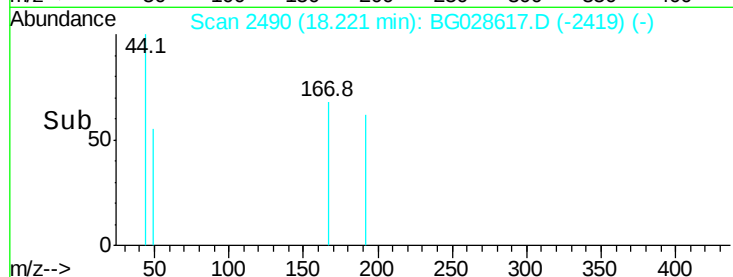
150

100

50

0

Time--> 18.20 18.22 18.24



#73

Di-n-butylphthalate

Concen: 0.004 ng

RT: 18.50 min Scan# 2537

Delta R.T. -0.13 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

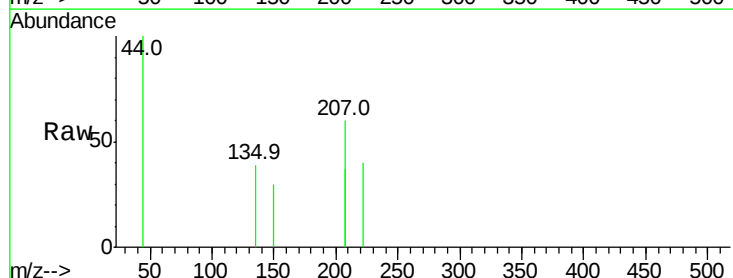
Tgt Ion:149 Resp: 53

Ion Ratio Lower Upper

149 100

150 0.0 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

18.50

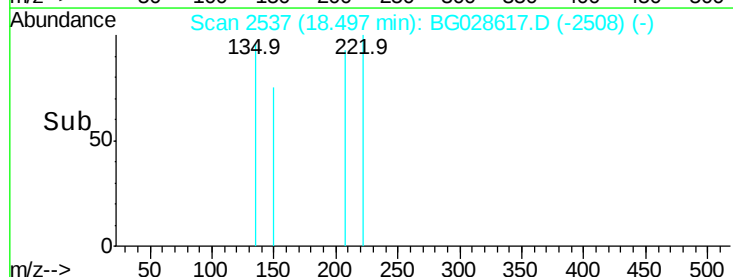
150

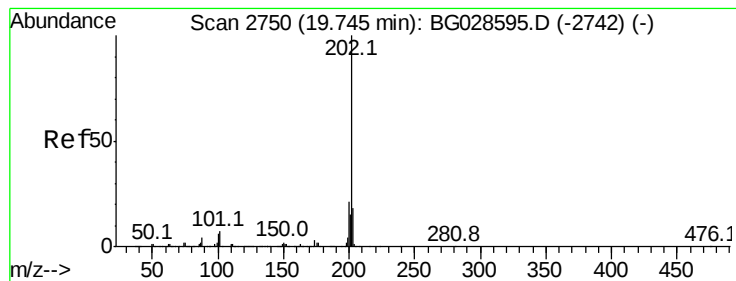
100

50

0

Time--> 18.48 18.50





#74

Fluoranthene

Concen: 0.006 ng

RT: 19.68 min Scan# 2738

Delta R.T. -0.07 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

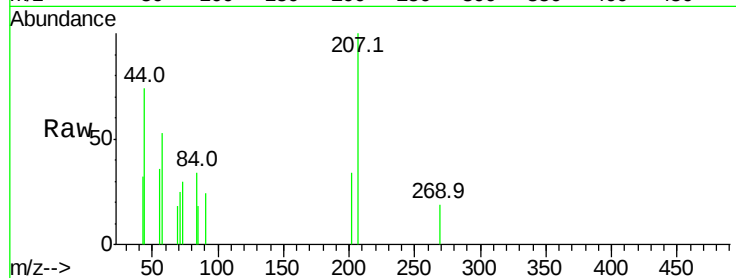
Tot Ion:202 Resp: 99

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.1

203 0.0 1.3 41.3#



Abundance Ion 202.00 (201.70 to 202.70): E

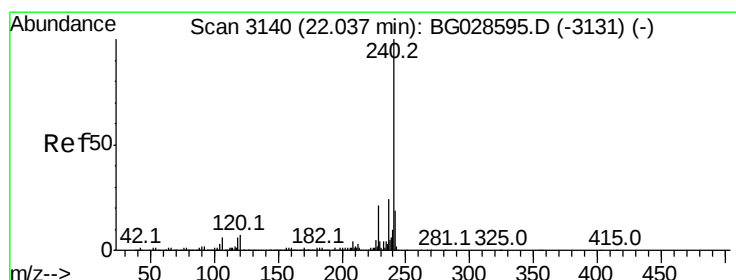
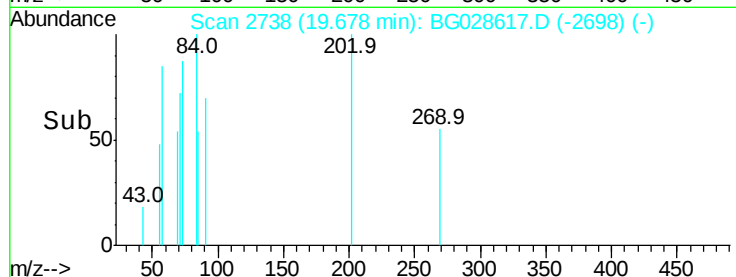
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.68

19.68

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.03 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

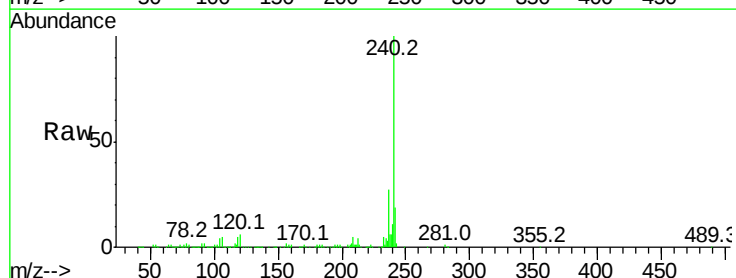
Tgt Ion:240 Resp: 298486

Ion Ratio Lower Upper

240 100

120 5.5 5.7 8.5#

236 27.3 22.2 33.4



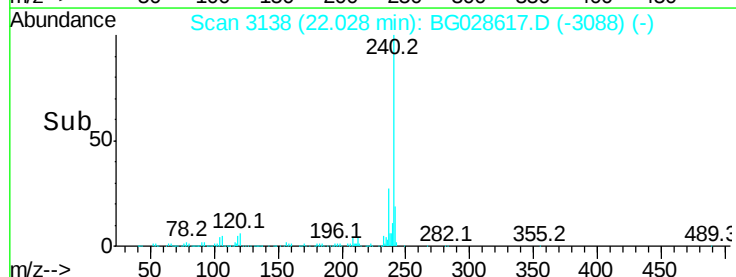
Abundance Ion 240.00 (239.70 to 240.70): E

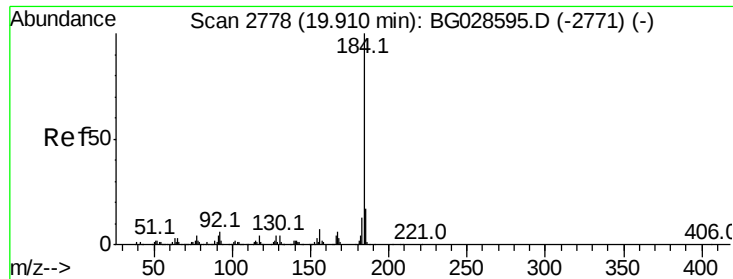
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

22.03

Time-->





#76

Benzidine

Concen: 0.374 ng

RT: 19.92 min Scan# 2779

Delta R.T. 0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

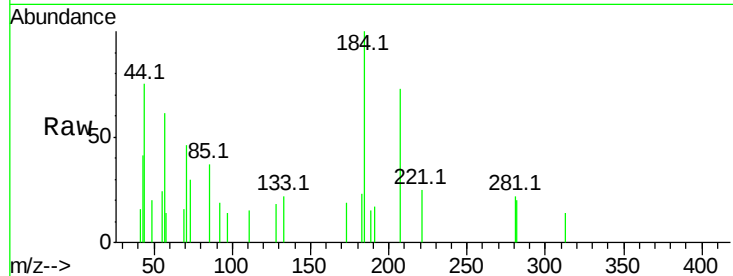
Tot Ion:184 Resp: 2270

Ion Ratio Lower Upper

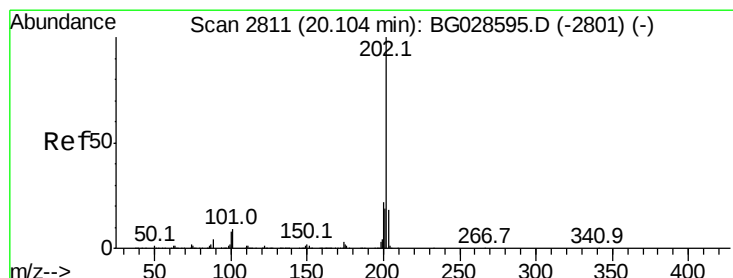
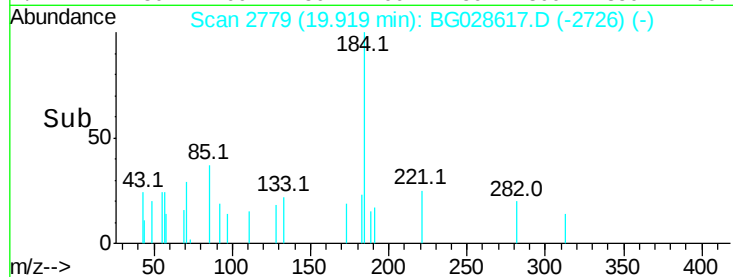
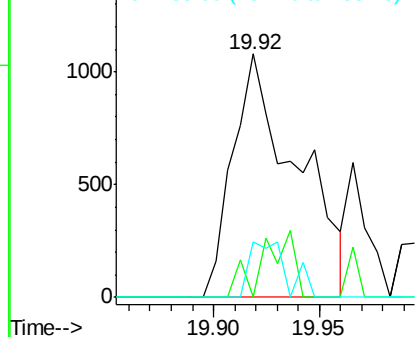
184 100

185 0.0 13.0 19.6#

183 22.9 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: 0.276 ng

RT: 20.28 min Scan# 2841

Delta R.T. 0.18 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

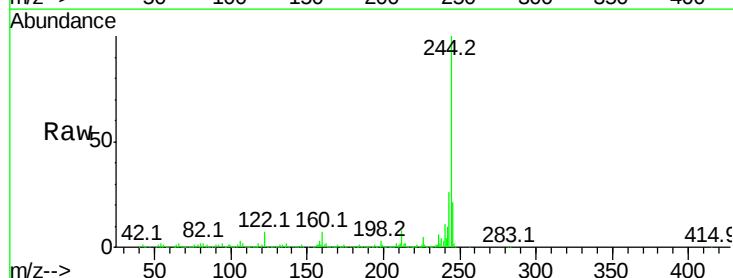
Tgt Ion:202 Resp: 4881

Ion Ratio Lower Upper

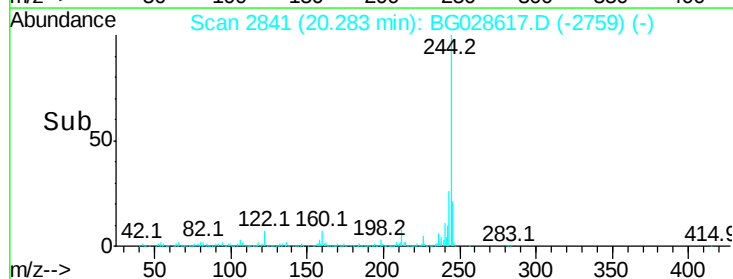
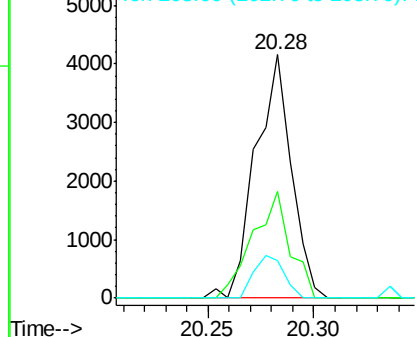
202 100

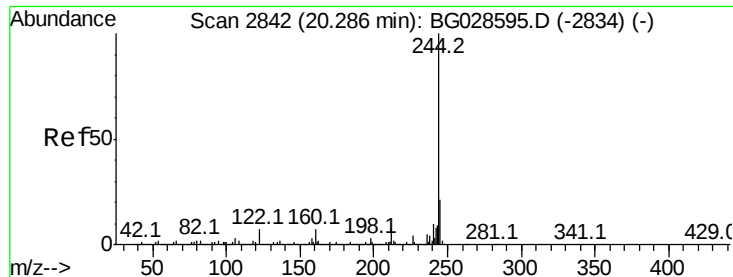
200 43.7 19.6 29.4#

203 15.2 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: 88.589 ng

RT: 20.28 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

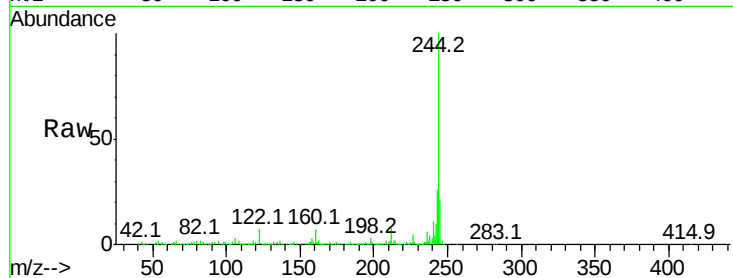
Tot Ion:244 Resp: 1227312

Ion	Ratio	Lower	Upper
244	100		
212	8.1	10.0	15.0#
122	7.3	8.6	12.8#

244 100

212 8.1 10.0 15.0#

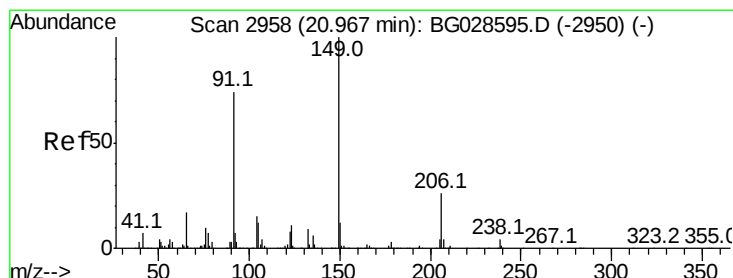
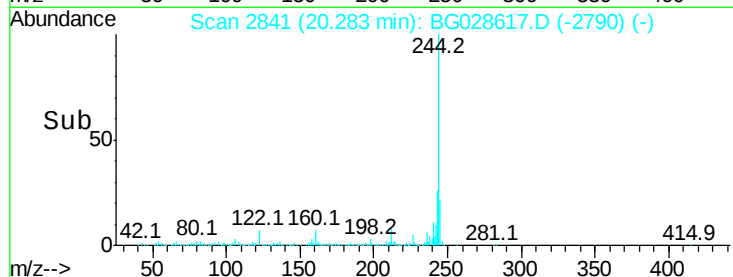
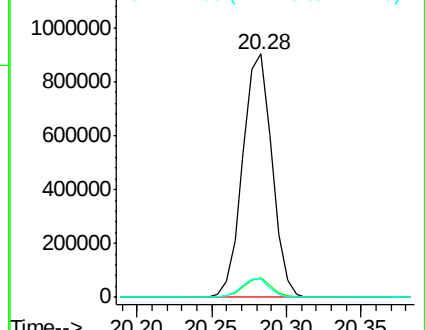
122 7.3 8.6 12.8#



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: 0.008 ng

RT: 20.97 min Scan# 2958

Delta R.T. 0.00 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

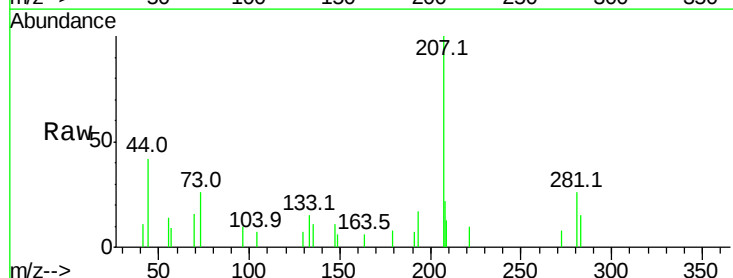
Tgt Ion:149 Resp: 54

Ion	Ratio	Lower	Upper
149	100		
91	0.0	63.5	95.3#
206	0.0	21.0	31.6#

149 100

91 0.0 63.5 95.3#

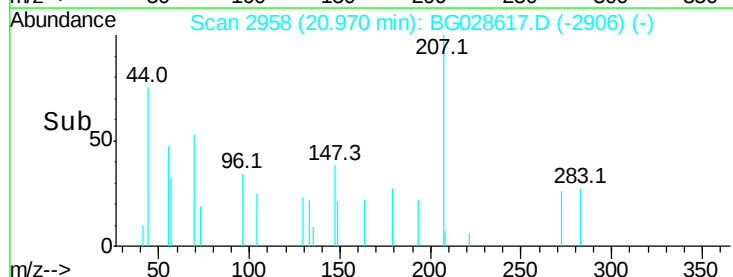
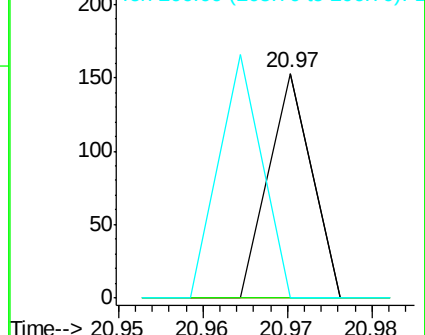
206 0.0 21.0 31.6#

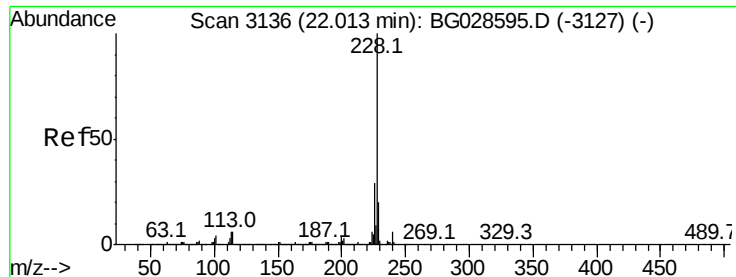


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.047 ng

RT: 22.03 min Scan# 3139

Delta R.T. 0.02 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

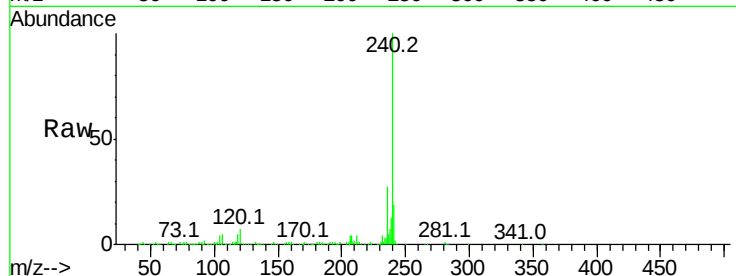
Tot Ion:228 Resp: 838

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

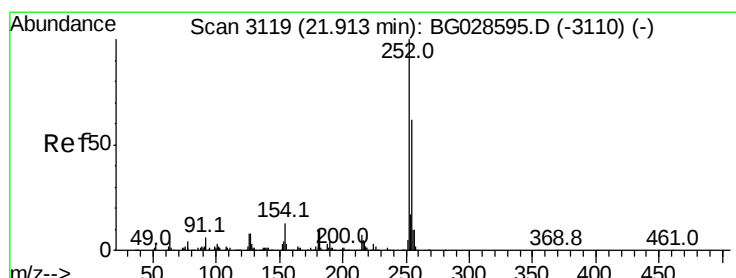
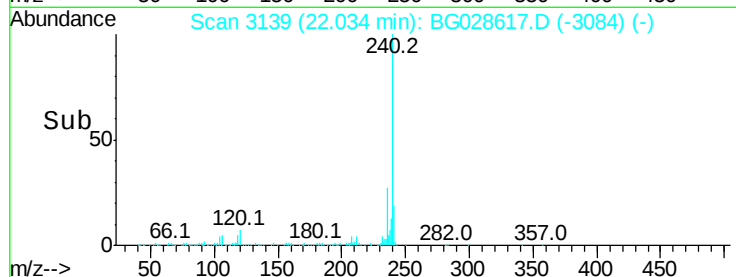
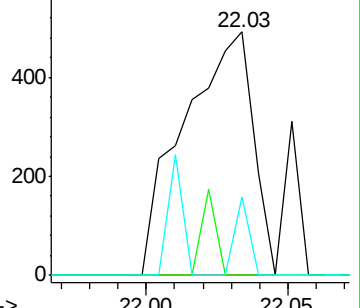
229 32.1 18.2 27.2#



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: 0.013 ng

RT: 21.86 min Scan# 3110

Delta R.T. -0.05 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

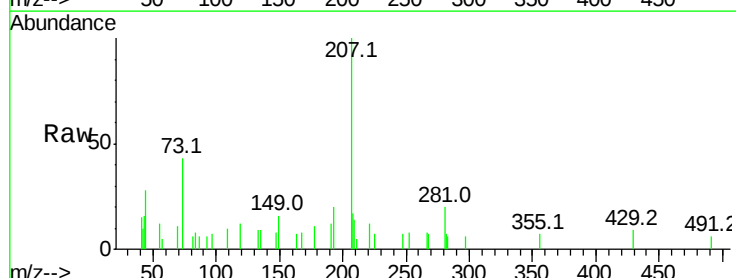
Tgt Ion:252 Resp: 86

Ion Ratio Lower Upper

252 100

254 0.0 53.1 79.7#

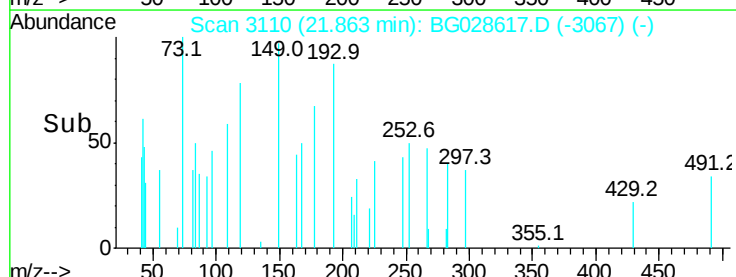
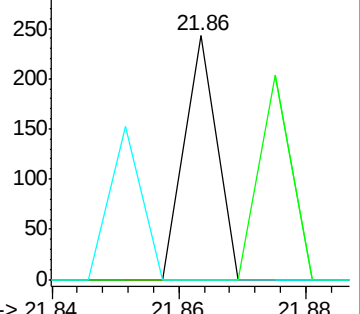
126 0.0 7.0 10.4#

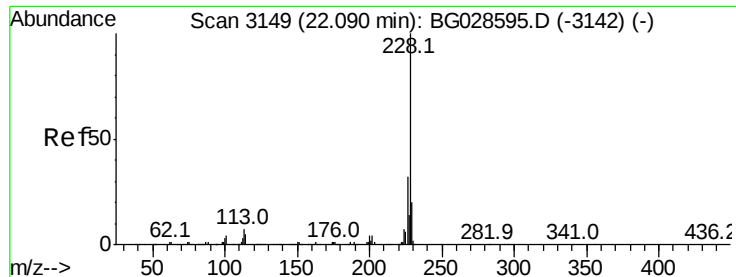


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 0.005 ng

RT: 22.08 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

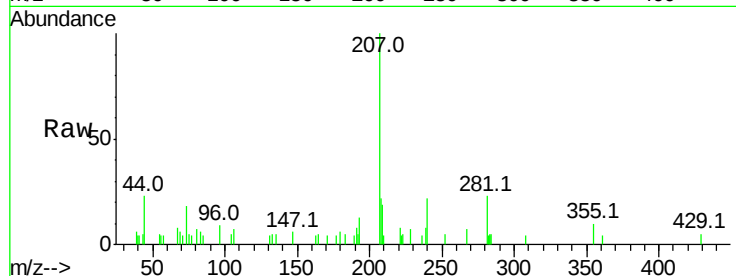
Tot Ion:228 Resp: 90

Ion Ratio Lower Upper

228 100

226 0.0 27.0 40.4#

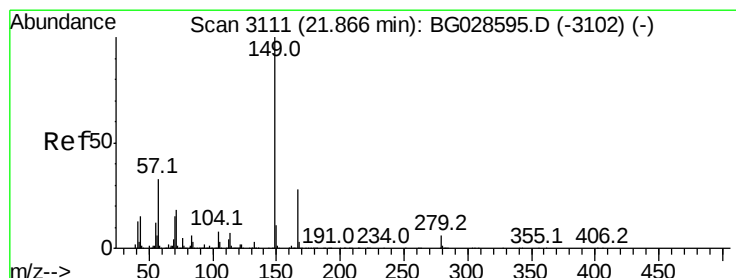
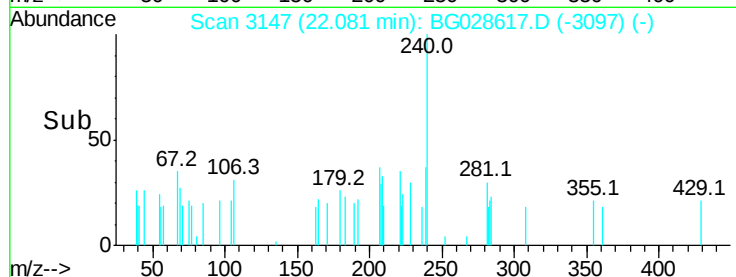
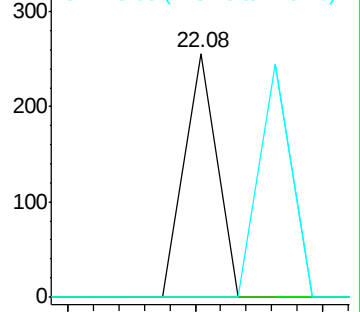
229 0.0 17.8 26.6#



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: 0.061 ng

RT: 21.86 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

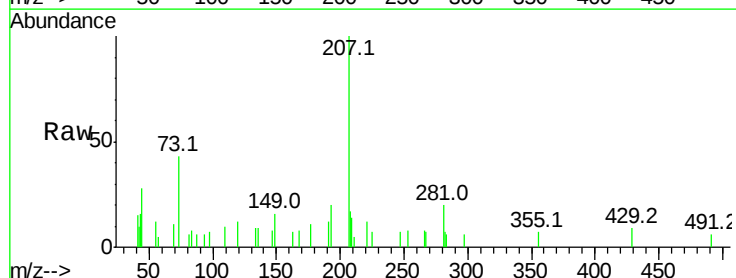
Tgt Ion:149 Resp: 603

Ion Ratio Lower Upper

149 100

167 51.9 23.7 35.5#

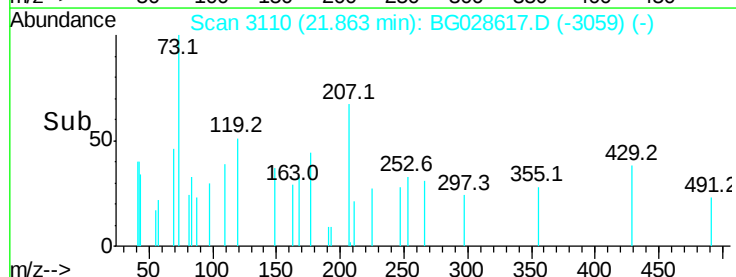
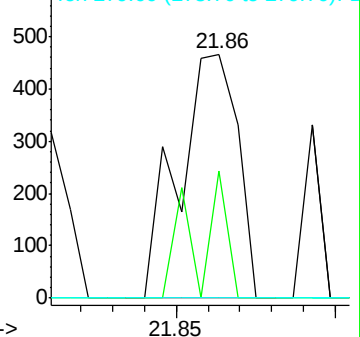
279 0.0 4.6 6.8#

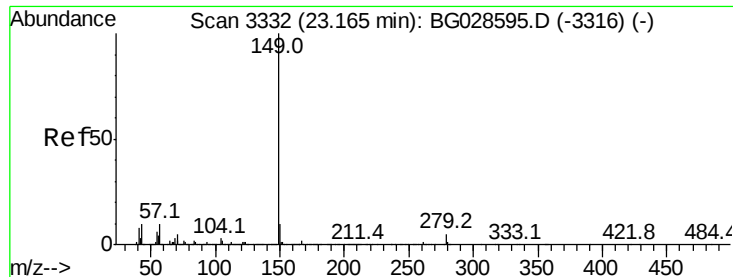


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.017 ng

RT: 23.16 min Scan# 3331

Delta R.T. -0.00 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

Instrument :

BNA_G

ClientSampleId :

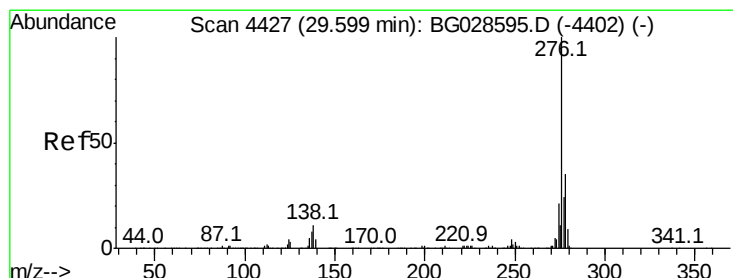
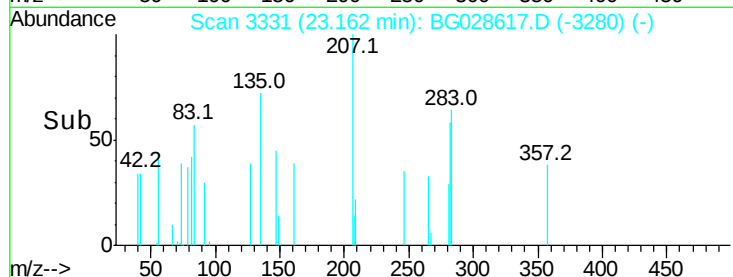
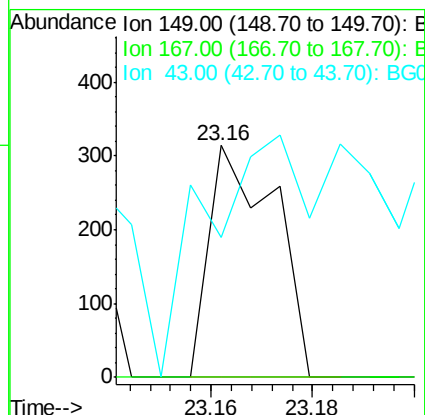
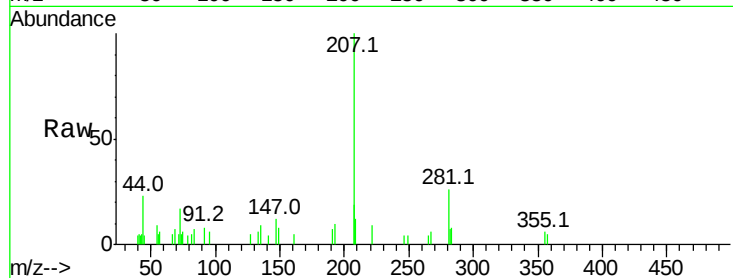
Tot Ion:149 Resp: 283

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

43 161.1 11.8 17.6#



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.004 ng

RT: 29.61 min Scan# 4429

Delta R.T. 0.01 min

Lab File: BG028617.D

Acq: 9 Sep 2017 16:21

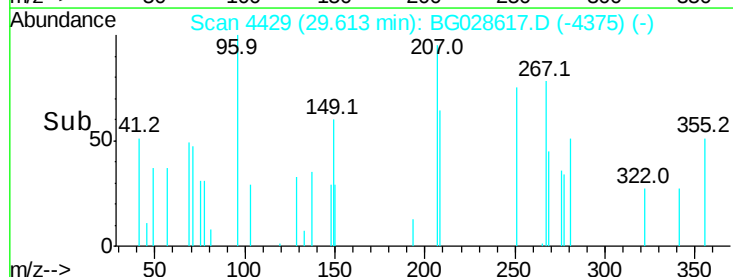
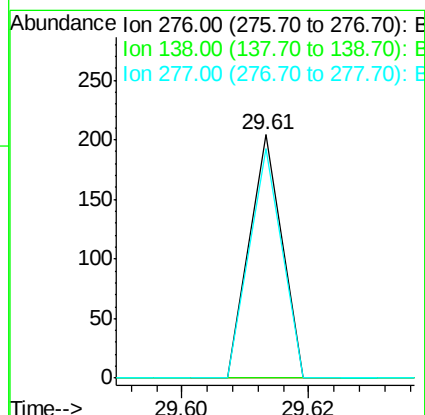
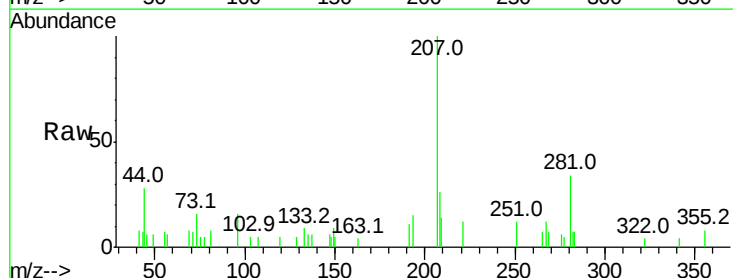
Tgt Ion:276 Resp: 72

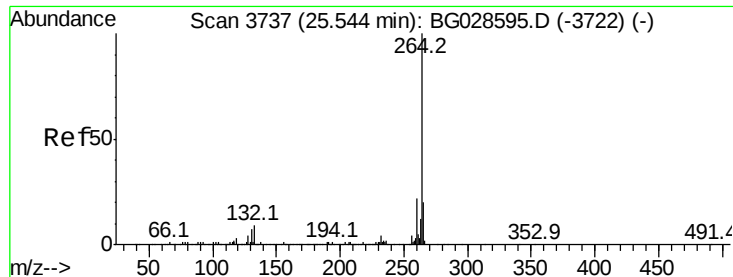
Ion Ratio Lower Upper

276 100

138 0.0 4.7 7.1#

277 94.4 20.6 31.0#

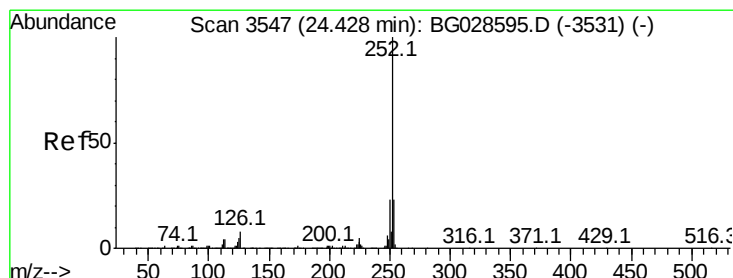
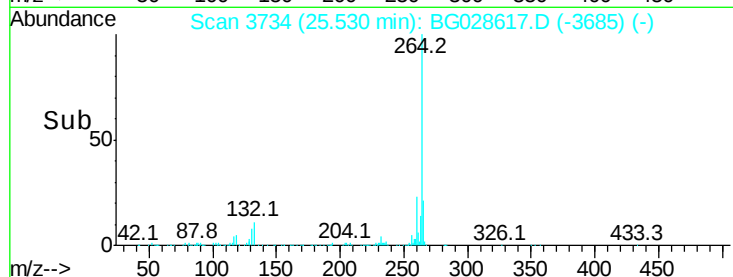
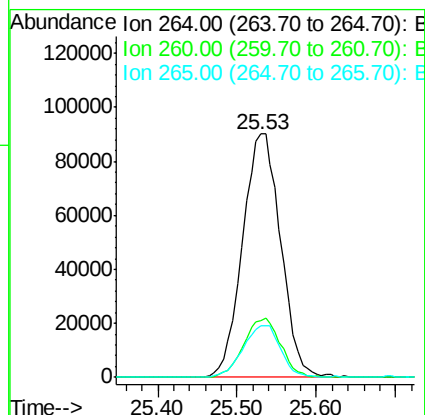
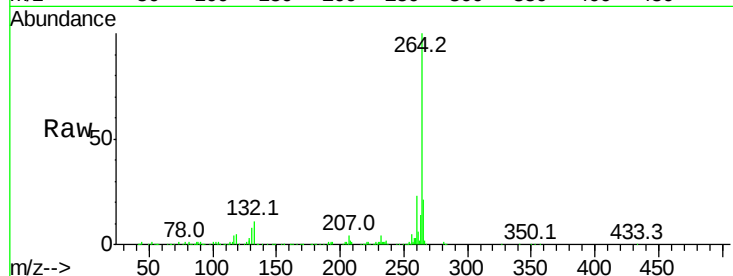




#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.53 min Scan# 3734
Delta R.T. -0.01 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

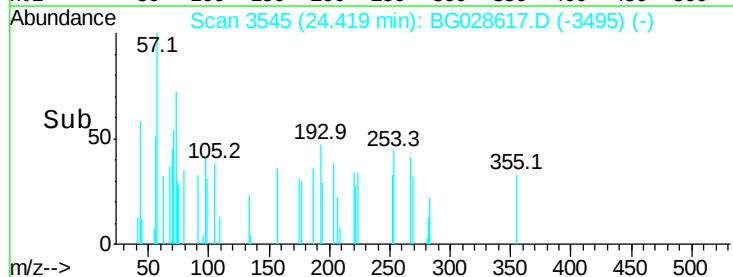
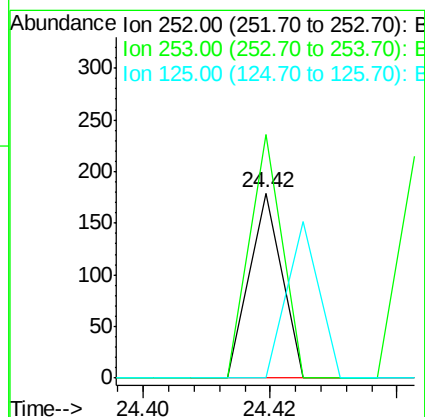
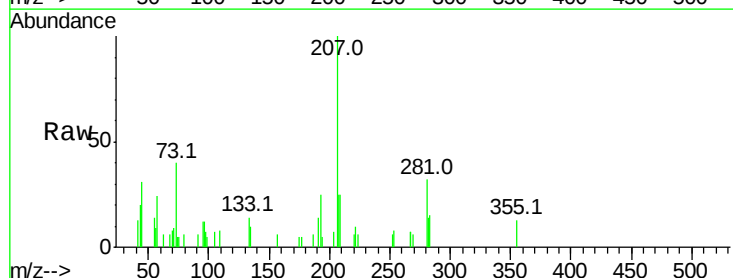
Instrument :
BNA_G
ClientSampleId :

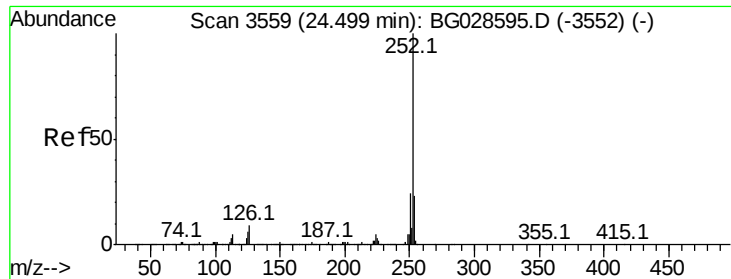
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	21.8	32.8
265	21.3	18.2	27.4



#87
Benzo(b)fluoranthene
Concen: 0.003 ng
RT: 24.42 min Scan# 3545
Delta R.T. -0.01 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	131.8	18.7	28.1#
125	0.0	5.3	7.9#

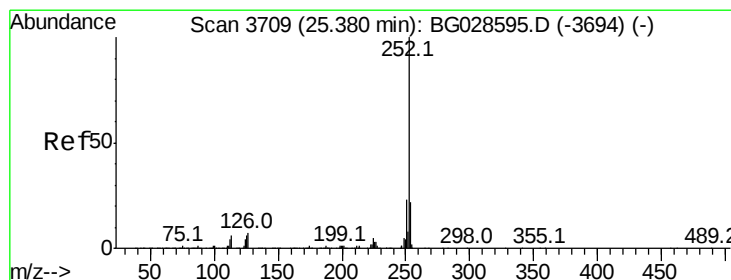
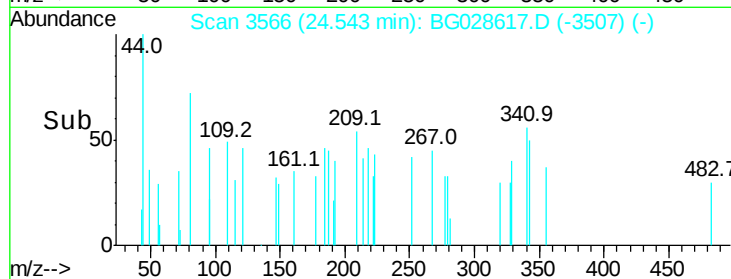
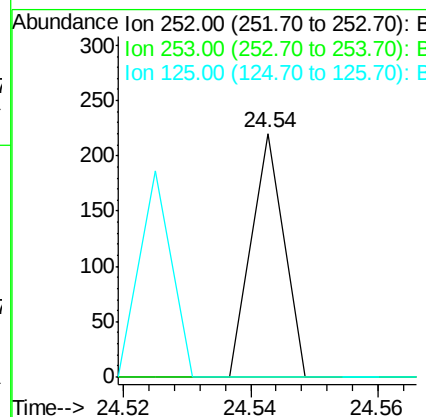
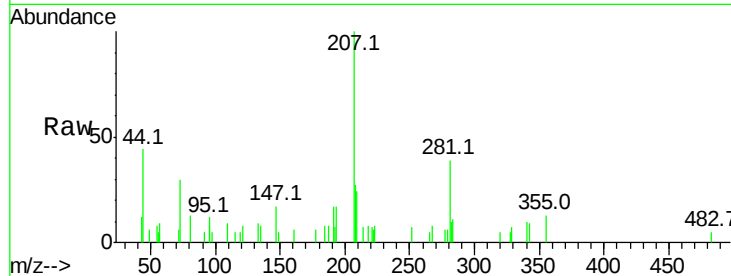




#88
Benzo(k)fluoranthene
Concen: 0.004 ng
RT: 24.54 min Scan# 3566
Delta R.T. 0.04 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

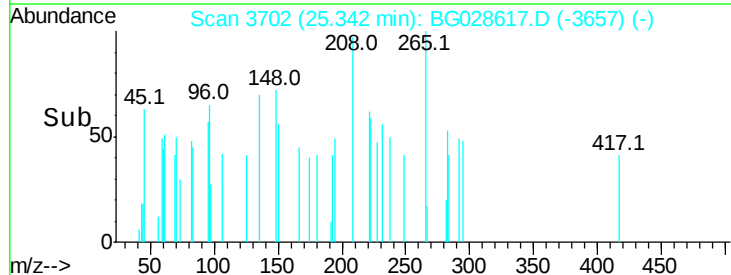
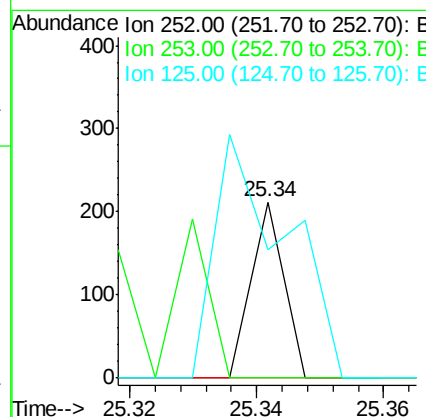
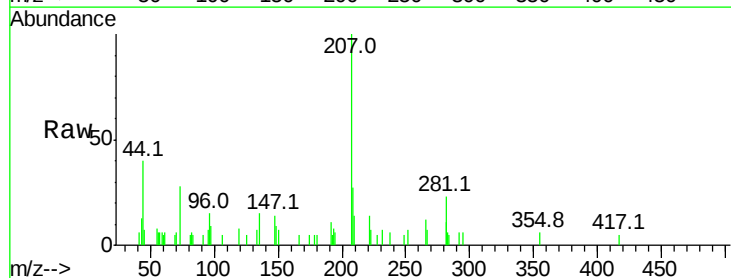
Instrument :
BNA_G
ClientSampled :

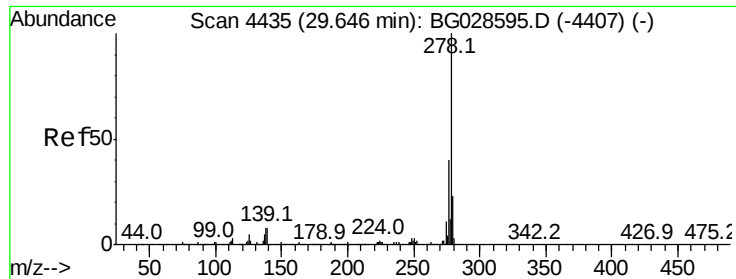
Tot Ion	Ratio	Lower	Upper
252	100		
253	0.0	20.2	30.2#
125	0.0	5.1	7.7#



#89
Benzo(a)pyrene
Concen: 0.004 ng
RT: 25.34 min Scan# 3702
Delta R.T. -0.04 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	19.2	28.8#
125	72.6	5.4	8.0#



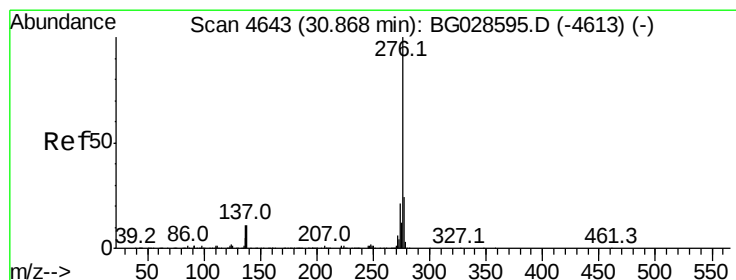
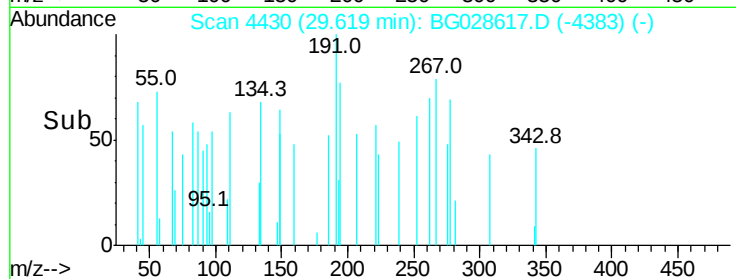
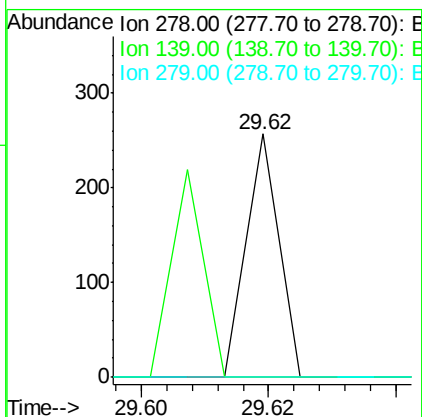
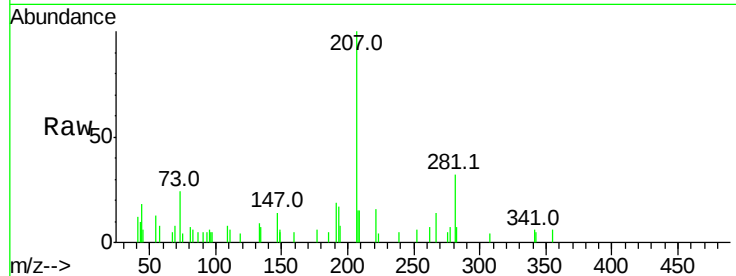


#90
Dibenzo(a,h)anthracene
Concen: 0.005 ng
RT: 29.62 min Scan# 4430
Delta R.T. -0.03 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:278 Resp: 91

Ion	Ratio	Lower	Upper
278	100		
139	0.0	7.7	11.5#
279	0.0	19.1	28.7#



#91
Benzo(g,h,i)perylene
Concen: 0.003 ng
RT: 30.62 min Scan# 4600
Delta R.T. -0.25 min
Lab File: BG028617.D
Acq: 9 Sep 2017 16:21

Tgt Ion:276 Resp: 61

Ion	Ratio	Lower	Upper
276	100		
277	0.0	18.6	27.8#
138	0.0	8.1	12.1#

