

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG062220\
 Data File : BG045828.D
 Acq On : 22 Jun 2020 15:36
 Operator : CG/JU
 Sample : L3033-06DL2 50X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 KY032MW006-200616DL2

Quant Time: Jun 22 16:13:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	46780	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	178339	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	137732	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	333628	20.00	ng	0.00
76) Chrysene-d12	21.58	240	340600	20.00	ng	0.00
86) Perylene-d12	24.71	264	359056	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	3291	1.19	ng	0.00
7) Phenol-d6	7.16	99	2931	0.70	ng	0.00
23) Nitrobenzene-d5	9.09	82	6766	1.73	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	5258	2.53	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	17984	1.92	ng	0.00
79) Terphenyl-d14	19.93	244	34406	2.05	ng	0.00

Target Compounds

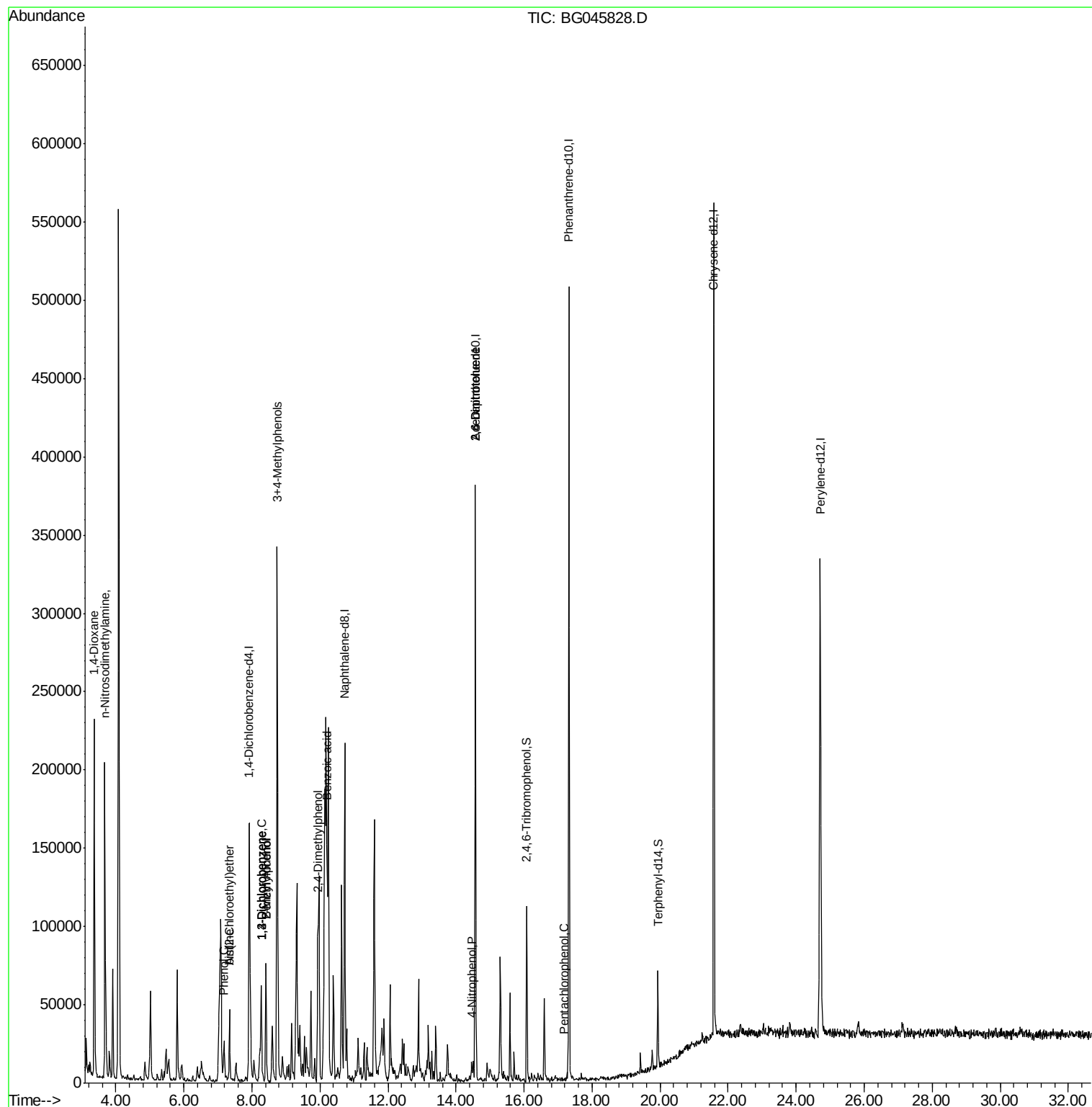
						Qvalue
2) 1,4-Dioxane	3.37	88	157725	124.354	ng	99
4) n-Nitrosodimethylamine	3.68	42	11846	9.390	ng	# 1
6) Aniline	7.34	93	26108	5.264	ng	# 53
10) Phenol	7.18	94	15641	3.832	ng	91
11) bis(2-Chloroethyl)ether	7.34	93	26108	8.422	ng	95
12) 1,3-Dichlorobenzene	8.28	146	25664	7.265	ng	95
13) 1,4-Dichlorobenzene	8.28	146	25885	7.336	ng	96
14) 1,2-Dichlorobenzene	8.28	146	25885	7.663	ng	94
15) Benzyl Alcohol	8.41	79	12507	3.837	ng	# 1
17) 2-Methylphenol	8.41	107	24089	7.931	ng	99
20) 3+4-Methylphenols	8.74	107	158644	39.713	ng	# 72
27) 2,4-Dimethylphenol	9.93	122	23469	8.864	ng	98
32) Benzoic acid	10.21	122	33051	24.626	ng	# 26
51) 2,6-Dinitrotoluene	14.57	165	17793	7.342	ng	# 26
56) 4-Nitrophenol	14.46	139	149	4.055	ng	# 32
57) 2,4-Dinitrotoluene	14.57	165	17793	5.124	ng	# 24
70) Pentachlorophenol	17.16	266	111	7.678	ng	# 17

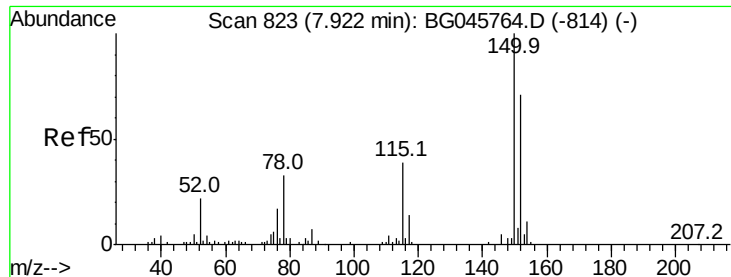
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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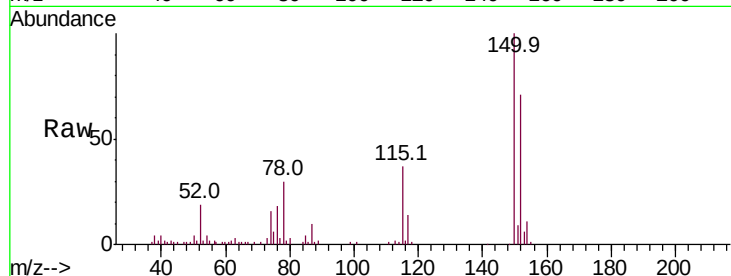


#1

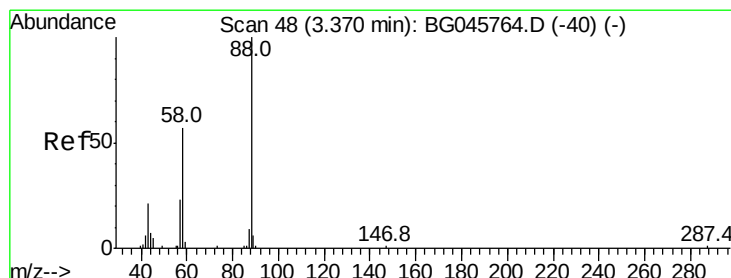
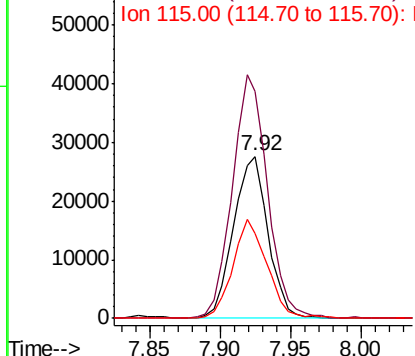
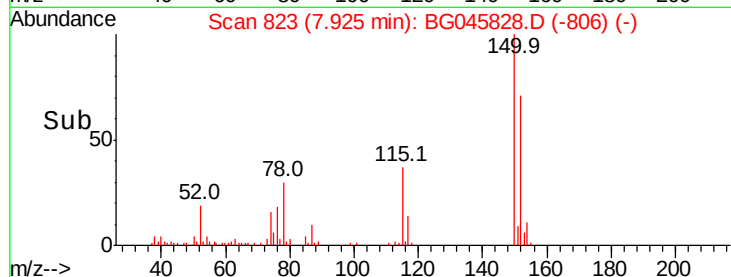
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 823
Delta R.T. 0.00 min
Lab File: BG045828.D
Acq: 22 Jun 2020 15:36

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616DL2

Tot Ion:152 Resp: 46780
Ion Ratio Lower Upper
152 100
150 140.2 113.1 169.7
115 52.4 43.8 65.6



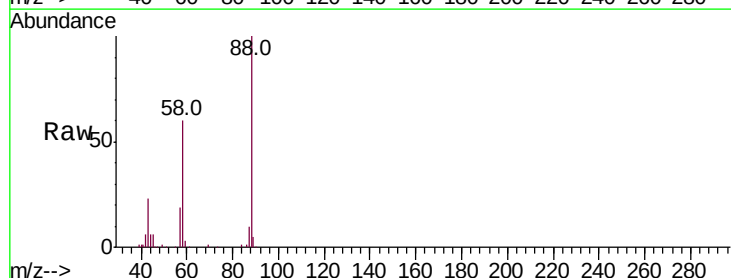
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



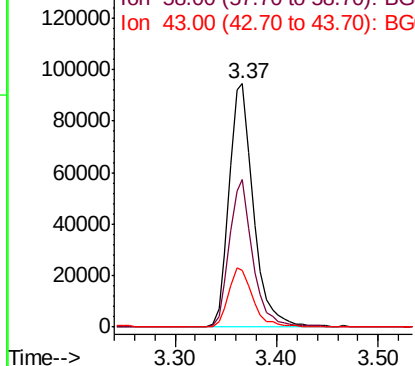
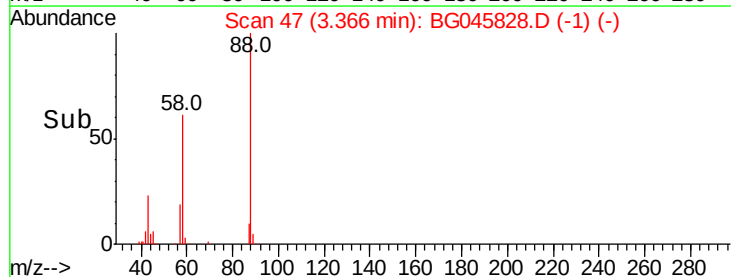
#2

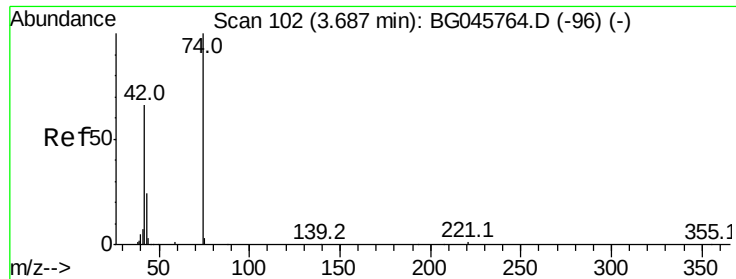
1,4-Dioxane
Concen: 124.354 ng
RT: 3.37 min Scan# 47
Delta R.T. -0.00 min
Lab File: BG045828.D
Acq: 22 Jun 2020 15:36

Tgt Ion: 88 Resp: 157725
Ion Ratio Lower Upper
88 100
58 58.1 46.1 69.1
43 24.3 19.2 28.8



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 9.390 ng

RT: 3.68 min Scan# 100

Delta R.T. -0.01 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

Instrument :

BNA_G

ClientSampleId :

KY032MW006-200616DL2

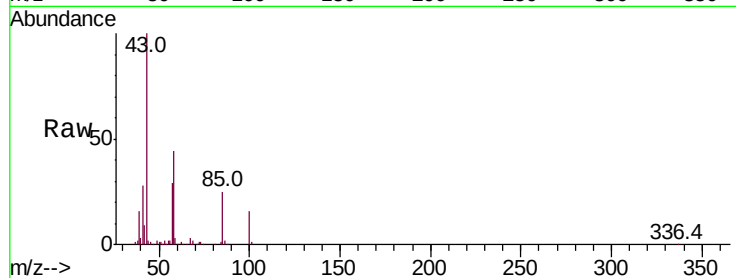
Tot Ion: 42 Resp: 11846

Ion Ratio Lower Upper

42 100

74 3.6 121.0 181.4#

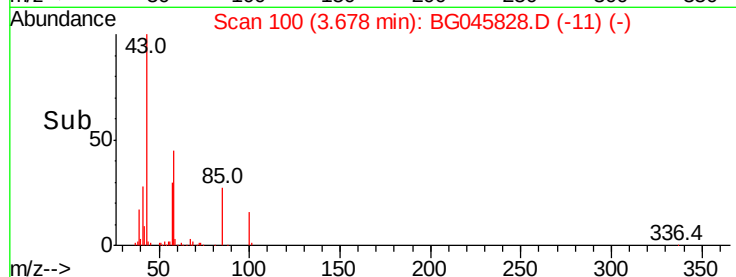
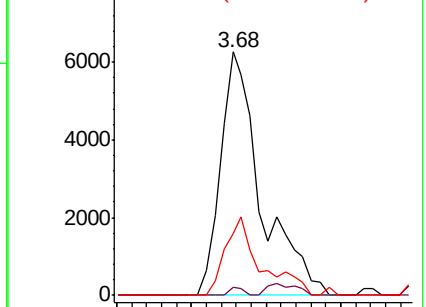
44 25.5 3.5 5.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 1.188 ng

RT: 5.53 min Scan# 416

Delta R.T. -0.00 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

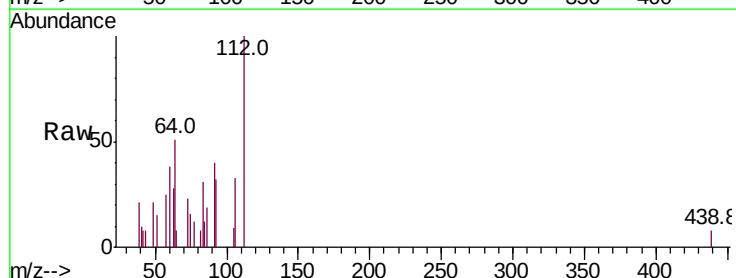
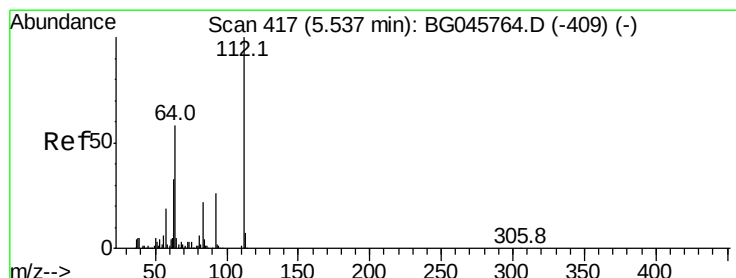
Tgt Ion: 112 Resp: 3291

Ion Ratio Lower Upper

112 100

64 51.0 46.6 69.8

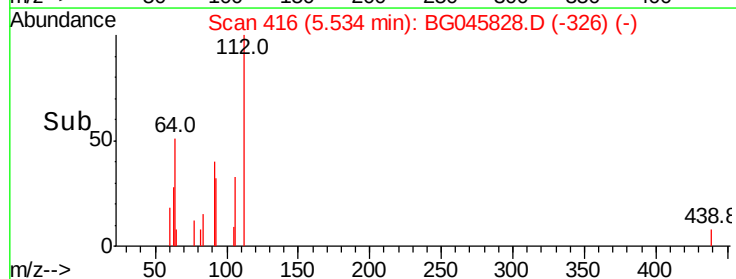
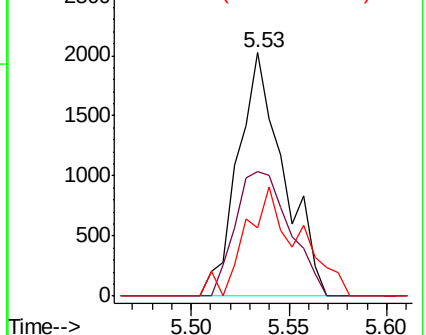
63 28.2 26.3 39.5

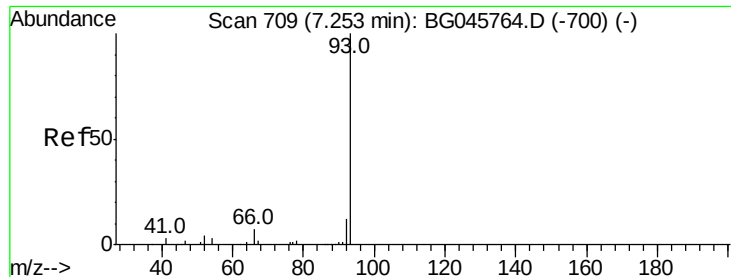


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 5.264 ng

RT: 7.34 min Scan# 724

Delta R.T. 0.09 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

Instrument :

BNA_G

ClientSampleId :

KY032MW006-200616DL2

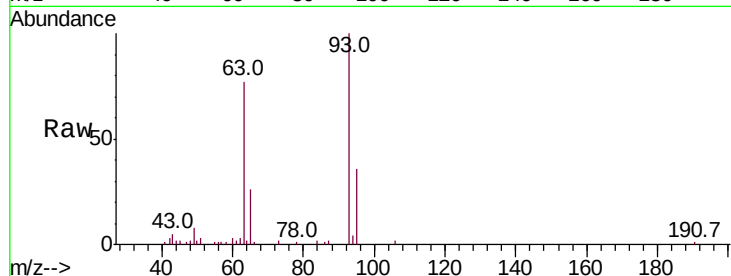
Tot Ion: 93 Resp: 26108

Ion Ratio Lower Upper

93 100

66 1.1 30.0 45.0#

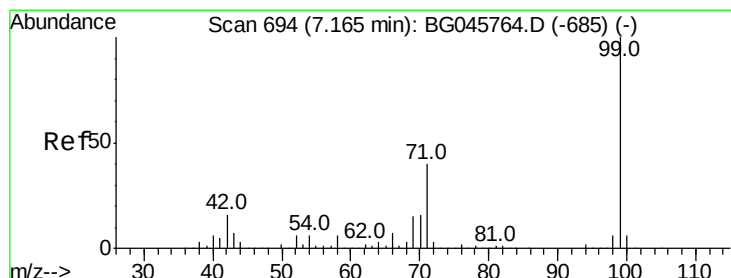
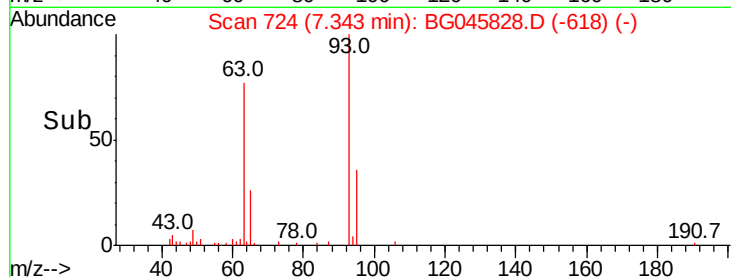
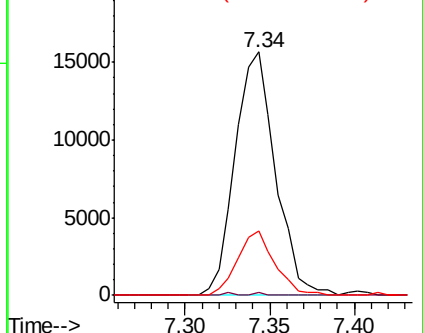
65 26.4 14.7 22.1#



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: 0.696 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

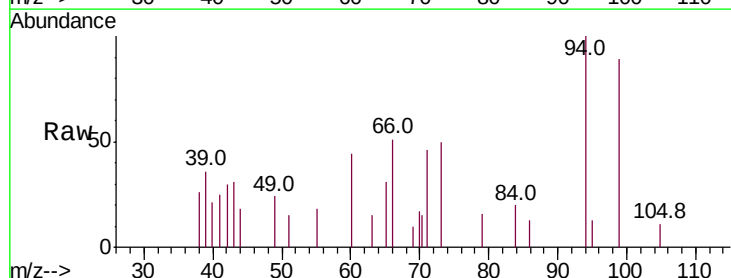
Tgt Ion: 99 Resp: 2931

Ion Ratio Lower Upper

99 100

42 33.8 12.4 18.6#

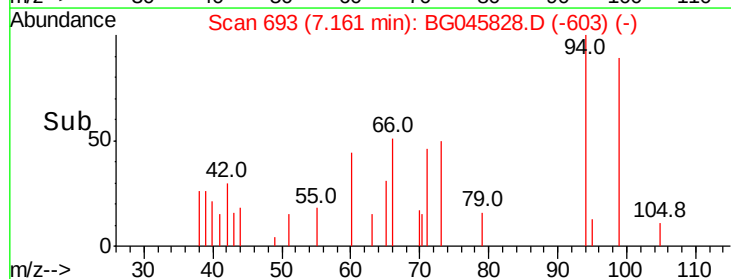
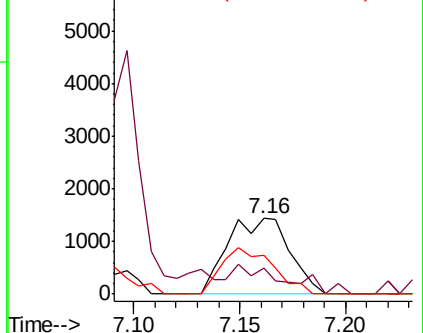
71 51.1 32.1 48.1#

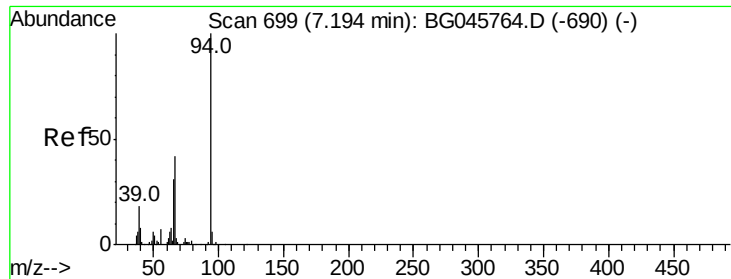


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 3.832 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

Instrument :

BNA_G

ClientSampleId :

KY032MW006-200616DL2

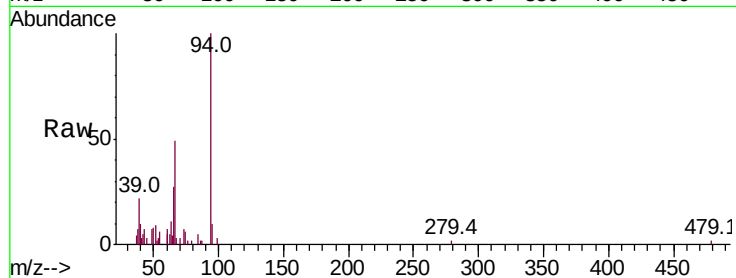
Tot Ion: 94 Resp: 15641

Ion Ratio Lower Upper

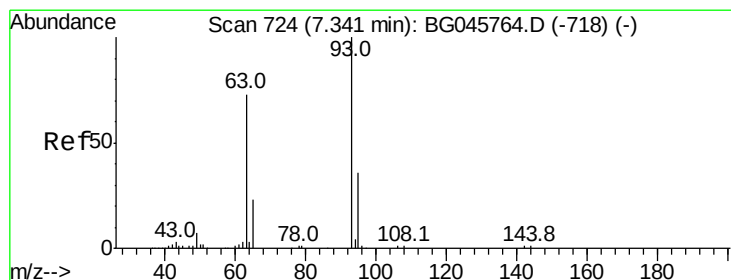
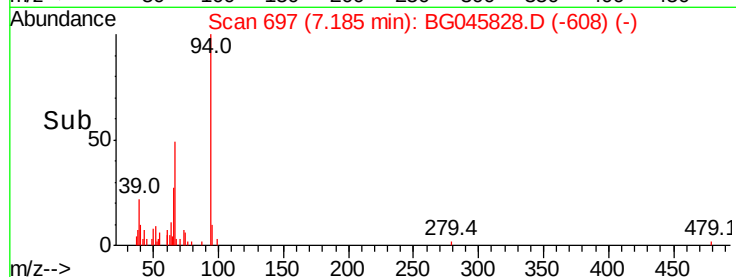
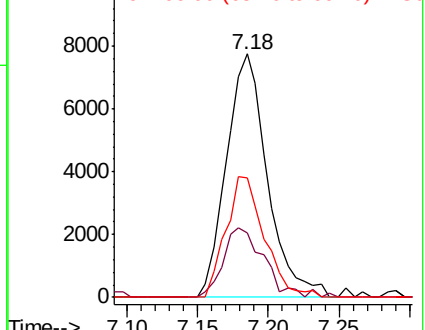
94 100

65 26.6 10.7 50.7

66 49.2 22.5 62.5



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: 8.422 ng

RT: 7.34 min Scan# 724

Delta R.T. 0.00 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

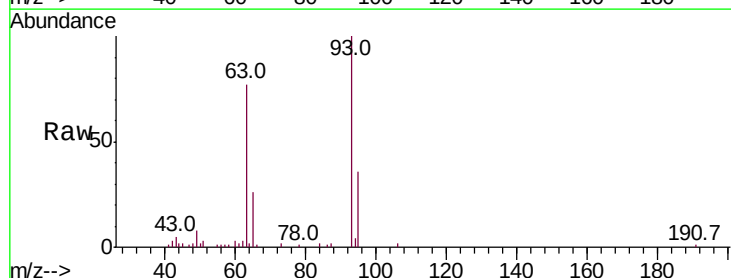
Tgt Ion: 93 Resp: 26108

Ion Ratio Lower Upper

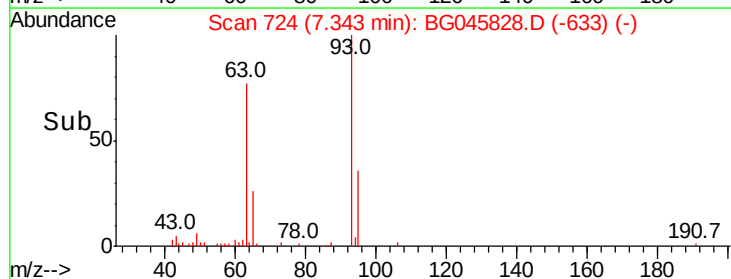
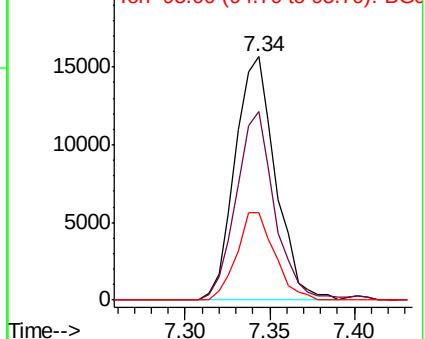
93 100

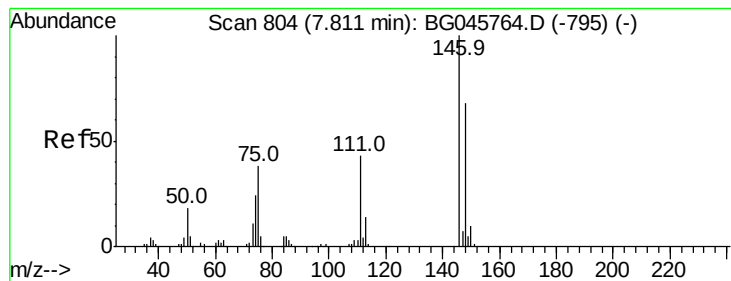
63 77.4 52.0 92.0

95 36.0 15.6 55.6



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





#12

1,3-Dichlorobenzene

Concen: 7.265 ng

RT: 8.28 min Scan# 883

Delta R.T. 0.47 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

Instrument :

BNA_G

ClientSampleId :

KY032MW006-200616DL2

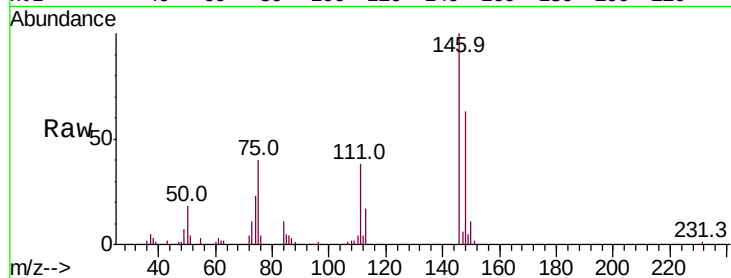
Tot Ion:146 Resp: 25664

Ion Ratio Lower Upper

146 100

148 62.6 54.2 81.4

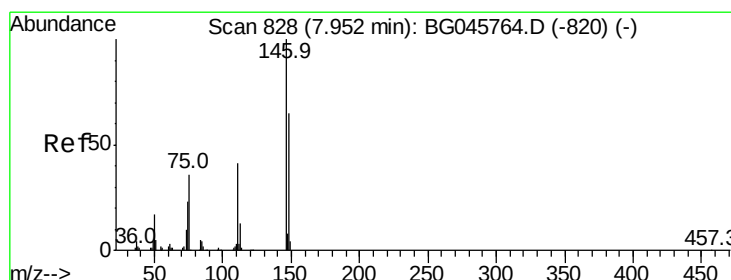
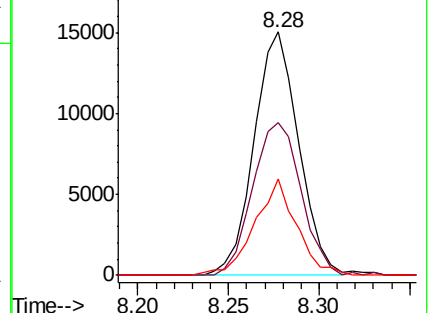
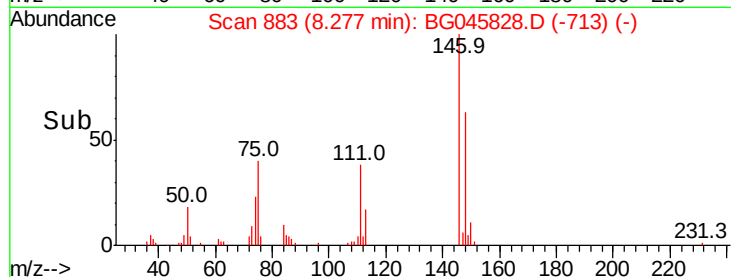
75 39.7 30.1 45.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BGC



#13

1,4-Dichlorobenzene

Concen: 7.336 ng

RT: 8.28 min Scan# 883

Delta R.T. 0.33 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

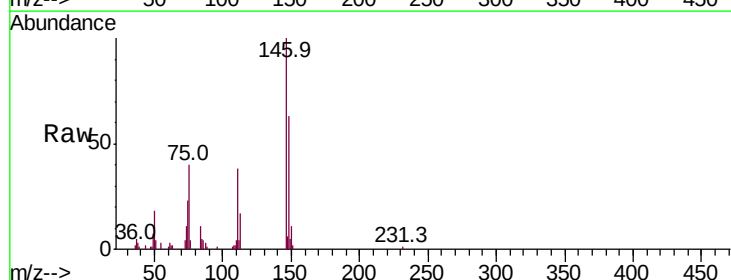
Tgt Ion:146 Resp: 25885

Ion Ratio Lower Upper

146 100

148 62.6 51.8 77.6

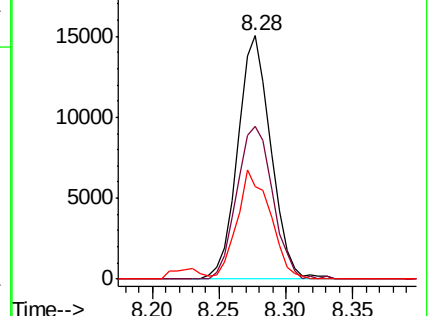
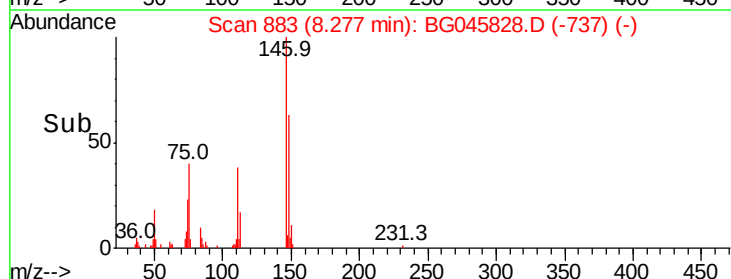
111 38.0 32.8 49.2

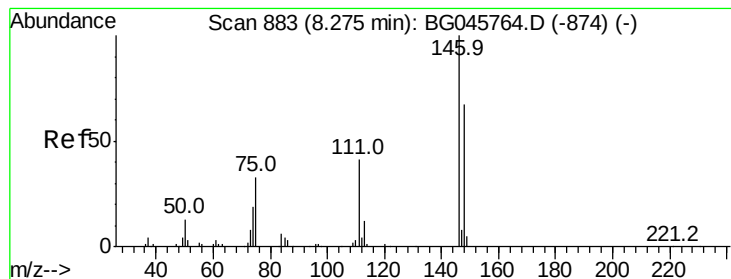


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 7.663 ng

RT: 8.28 min Scan# 883

Delta R.T. 0.00 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

Instrument :

BNA_G

ClientSampleId :

KY032MW006-200616DL2

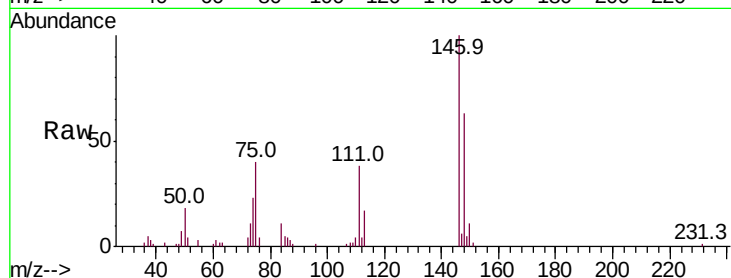
Tot Ion:146 Resp: 25885

Ion Ratio Lower Upper

146 100

148 62.6 54.1 81.1

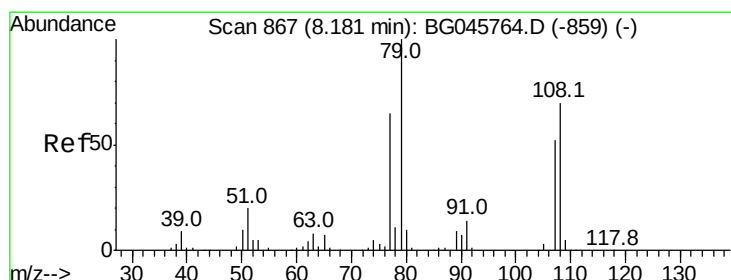
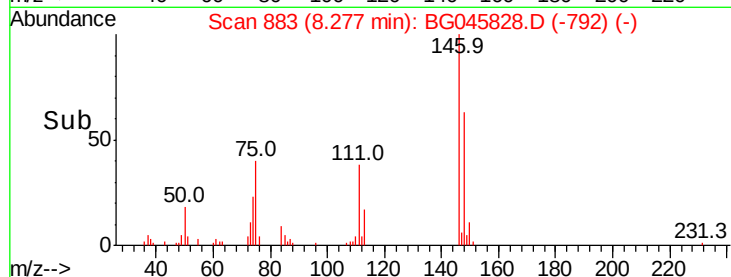
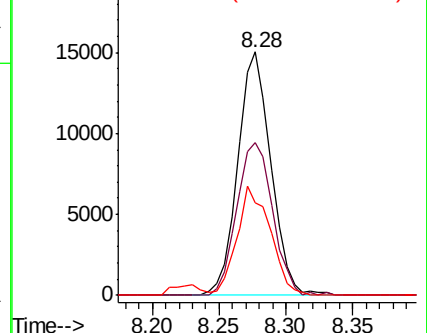
111 38.0 32.9 49.3



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



#15

Benzyl Alcohol

Concen: 3.837 ng

RT: 8.41 min Scan# 906

Delta R.T. 0.23 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

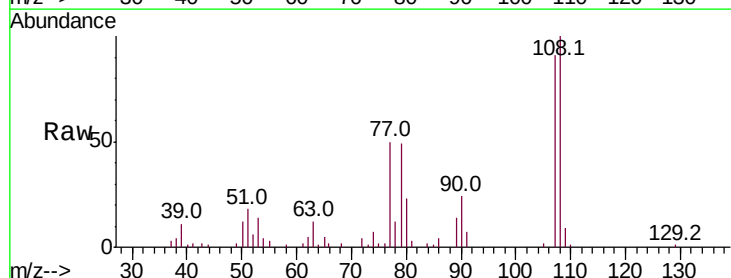
Tgt Ion: 79 Resp: 12507

Ion Ratio Lower Upper

79 100

108 202.1 56.2 84.4#

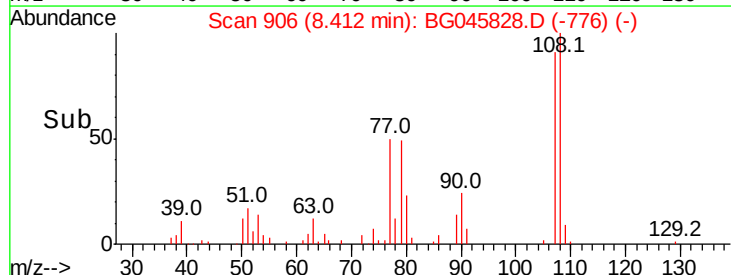
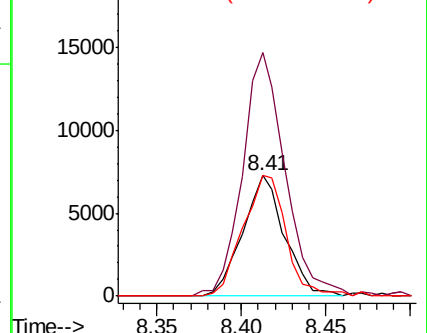
77 100.3 52.2 78.2#

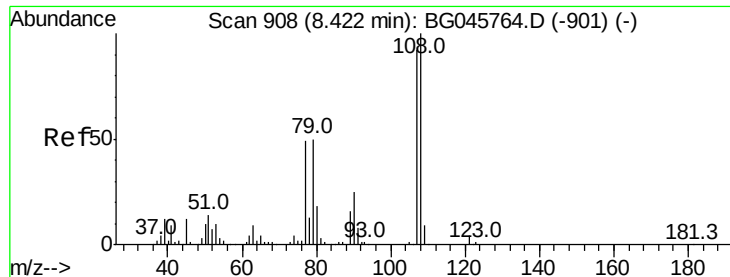


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

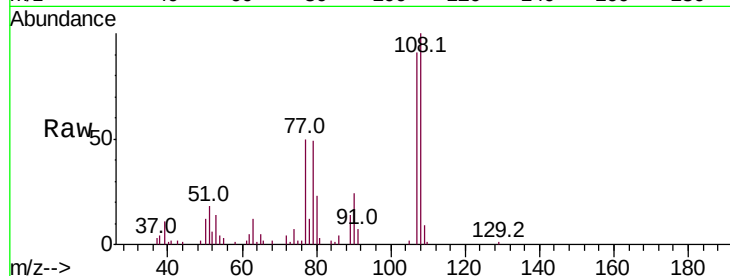




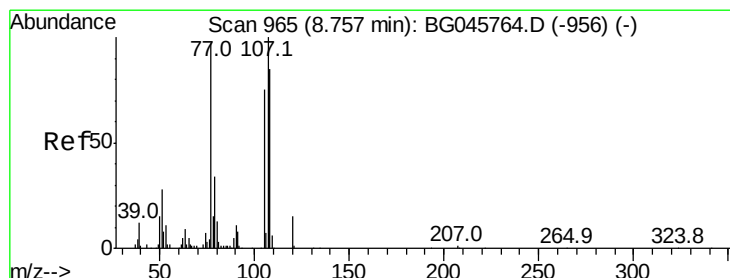
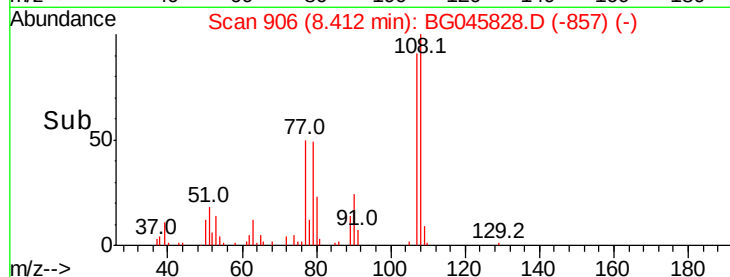
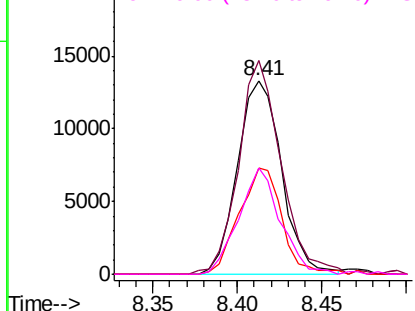
#17
2-Methylphenol
Concen: 7.931 ng
RT: 8.41 min Scan# 906
Delta R.T. -0.01 min
Lab File: BG045828.D
Acq: 22 Jun 2020 15:36

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616DL2

Tot Ion:107 Resp: 24089
Ion Ratio Lower Upper
107 100
108 110.5 87.4 131.0
77 54.8 42.5 63.7
79 54.7 44.0 66.0

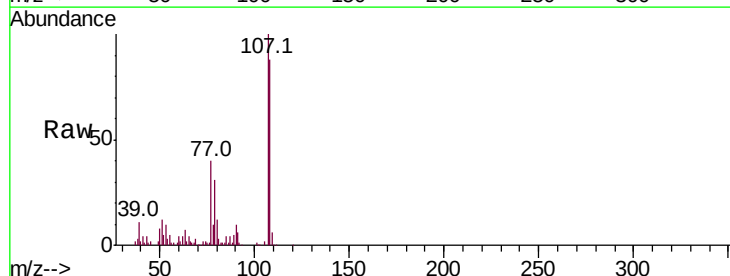


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

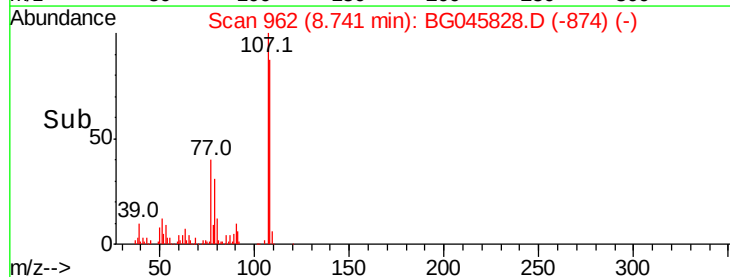
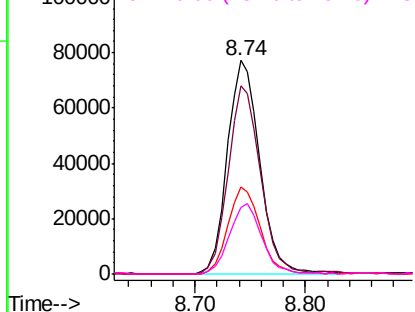


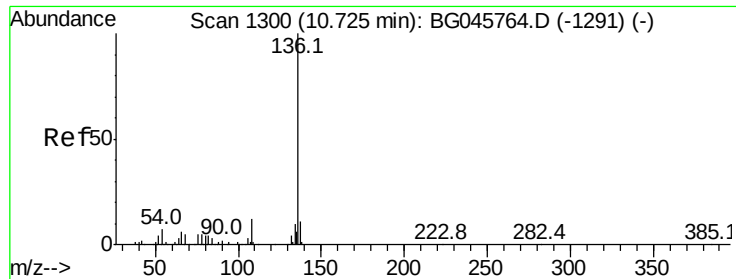
#20
3+4-Methylphenols
Concen: 39.713 ng
RT: 8.74 min Scan# 962
Delta R.T. -0.02 min
Lab File: BG045828.D
Acq: 22 Jun 2020 15:36

Tgt Ion:107 Resp: 158644
Ion Ratio Lower Upper
107 100
108 88.1 65.4 105.4
77 40.5 77.2 117.2#
79 31.0 14.2 54.2



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

Instrument :

BNA_G

ClientSampleId :

KY032MW006-200616DL2

Tot Ion:136 Resp: 178339

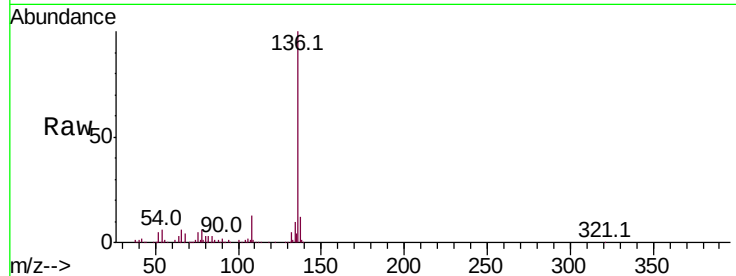
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 6.3 5.8 8.6

68 4.2 4.0 6.0

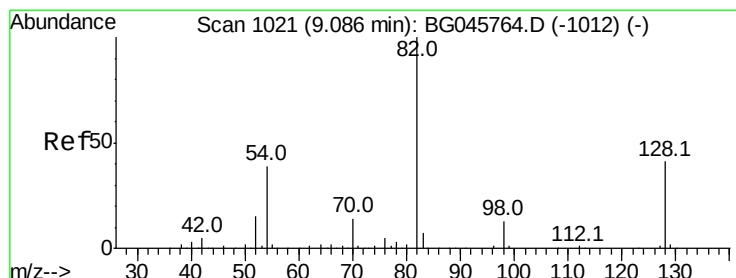
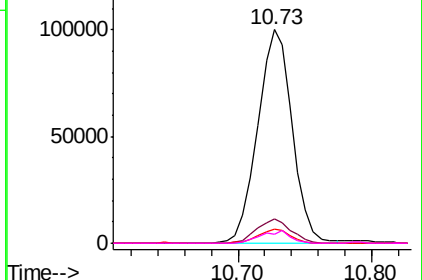
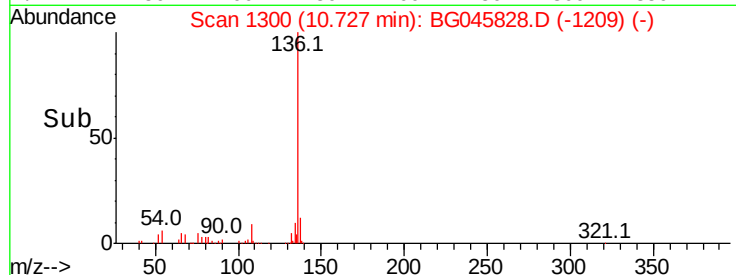


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.733 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

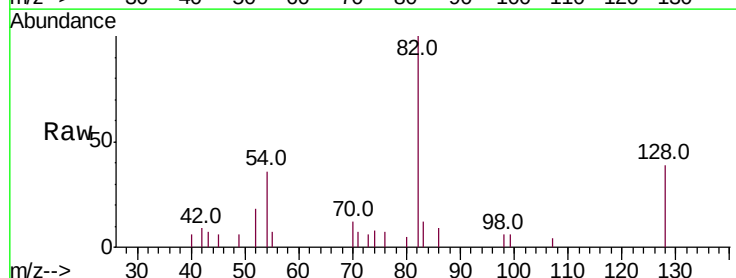
Tgt Ion: 82 Resp: 6766

Ion Ratio Lower Upper

82 100

128 38.8 32.5 48.7

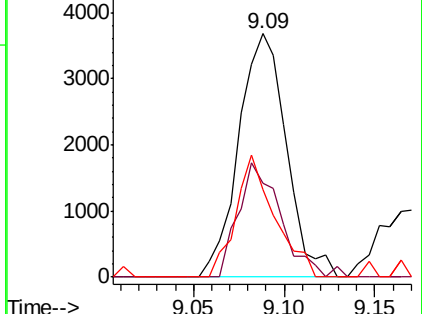
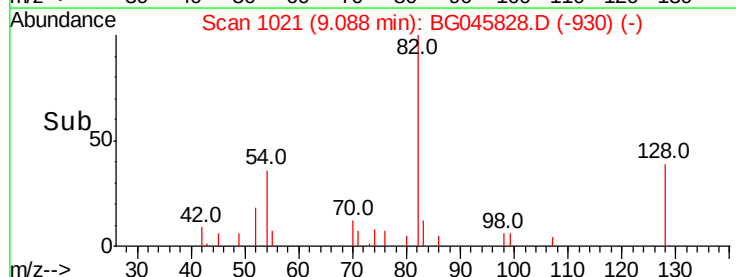
54 36.0 31.2 46.8

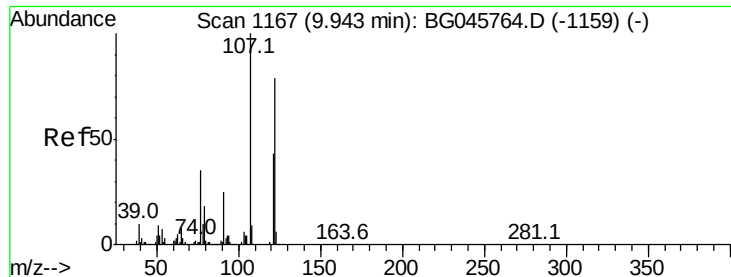


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#27

2,4-Dimethylphenol

Concen: 8.864 ng

RT: 9.93 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

Instrument :

BNA_G

ClientSampleId :

KY032MW006-200616DL2

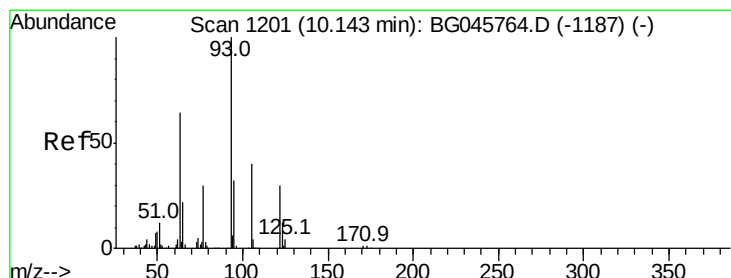
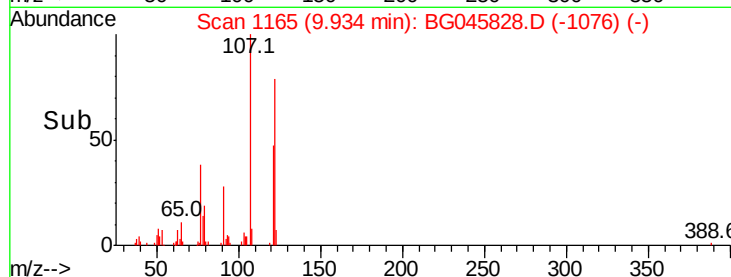
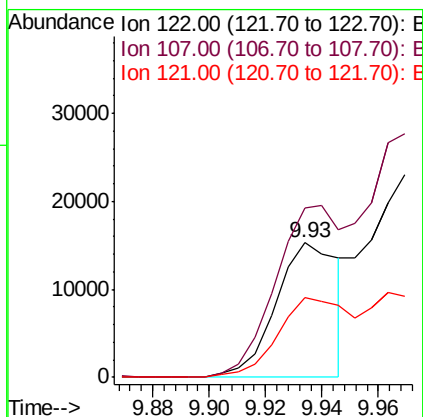
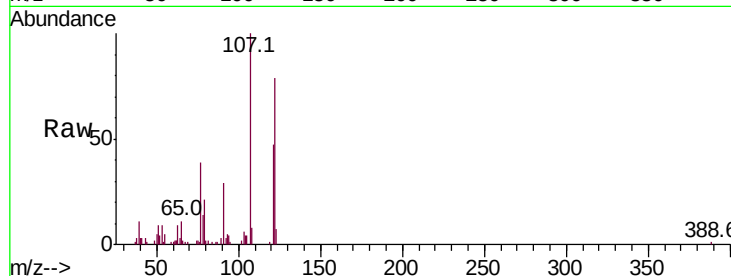
Tot Ion:122 Resp: 23469

Ion Ratio Lower Upper

122 100

107 126.4 101.3 151.9

121 59.4 43.9 65.9



#32

Benzoic acid

Concen: 24.626 ng

RT: 10.21 min Scan# 1212

Delta R.T. 0.07 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

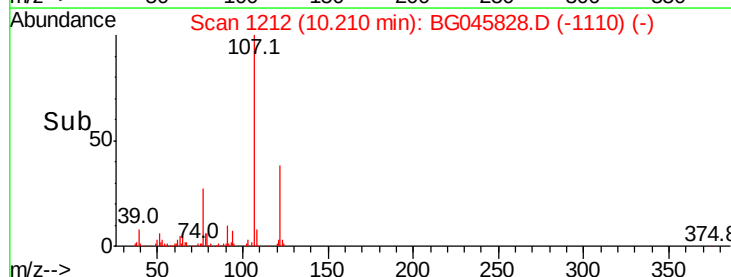
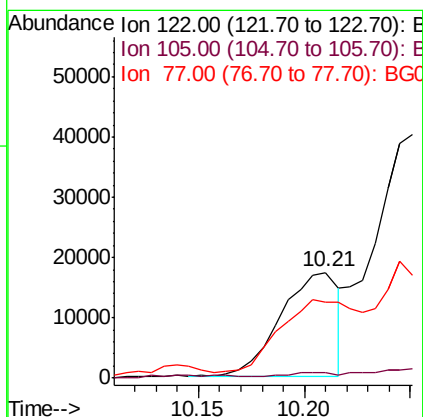
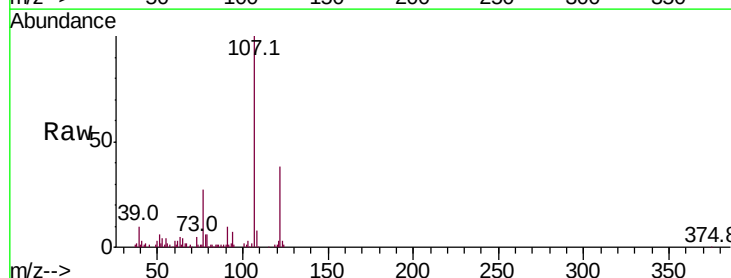
Tgt Ion:122 Resp: 33051

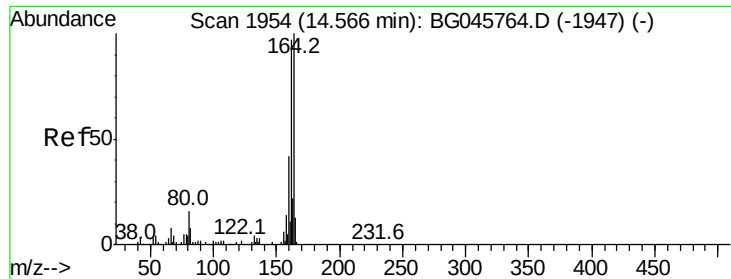
Ion Ratio Lower Upper

122 100

105 5.1 112.9 152.9#

77 71.3 79.2 119.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

Instrument :

BNA_G

ClientSampleId :

KY032MW006-200616DL2

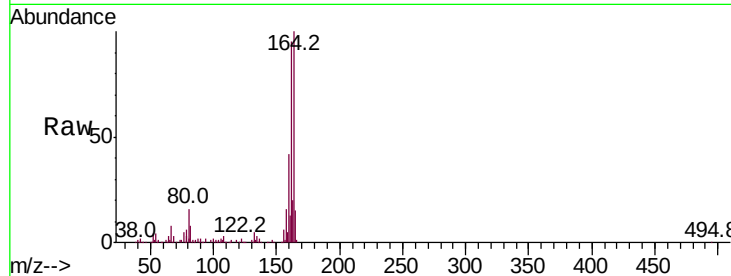
Tot Ion:164 Resp: 137732

Ion Ratio Lower Upper

164 100

162 95.3 77.4 116.0

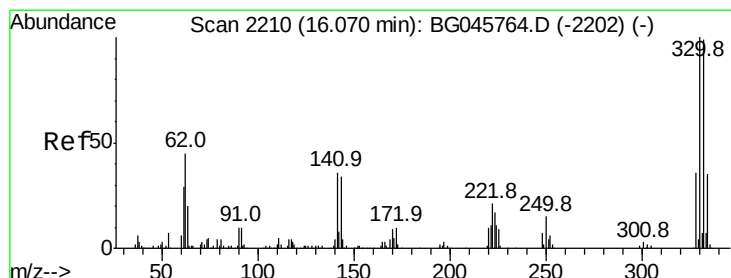
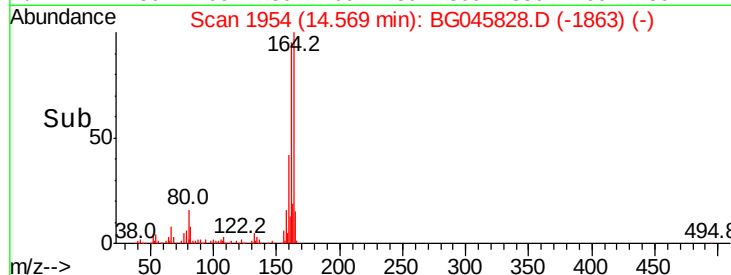
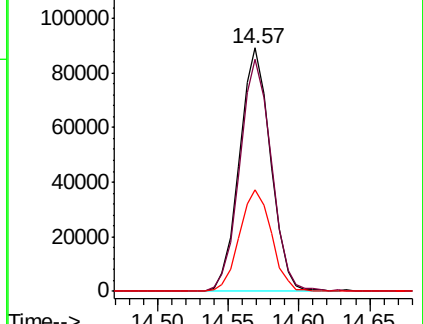
160 41.7 33.3 49.9



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



#42

2,4,6-Tribromophenol

Concen: 2.529 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

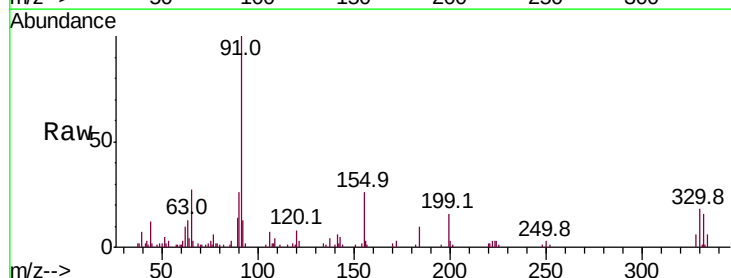
Tgt Ion:330 Resp: 5258

Ion Ratio Lower Upper

330 100

332 97.7 78.6 117.8

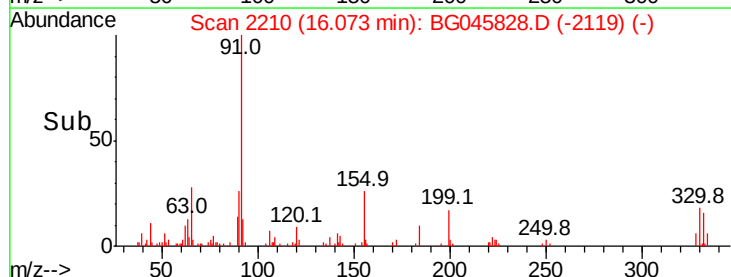
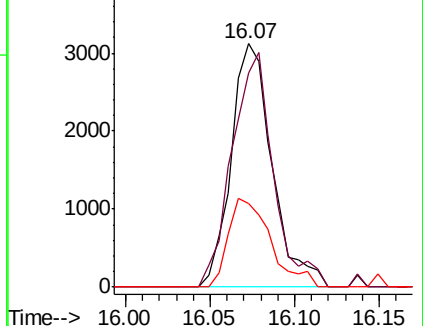
141 37.5 28.2 42.4

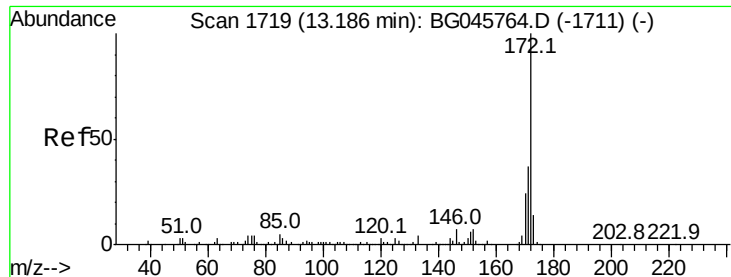


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

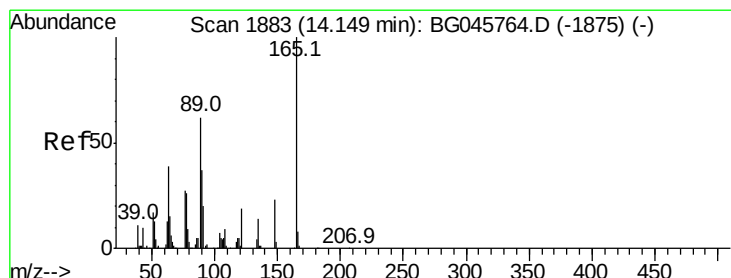
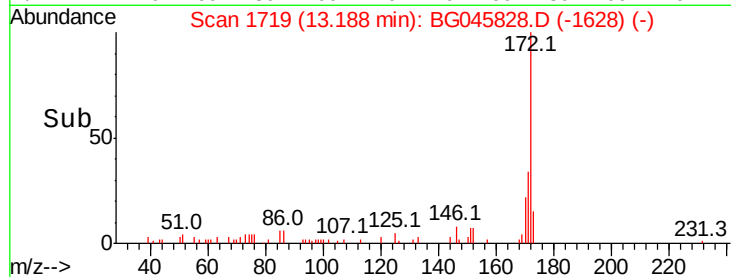
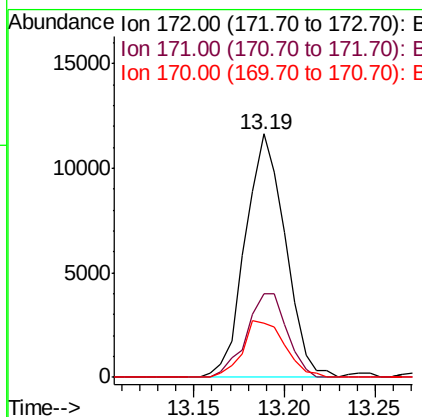
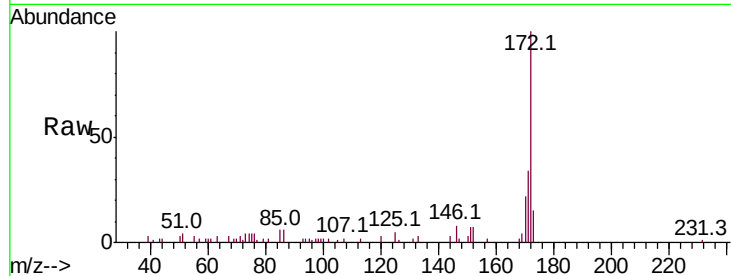




#45
2-Fluorobiphenyl
Concen: 1.919 ng
RT: 13.19 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BG045828.D
Acq: 22 Jun 2020 15:36

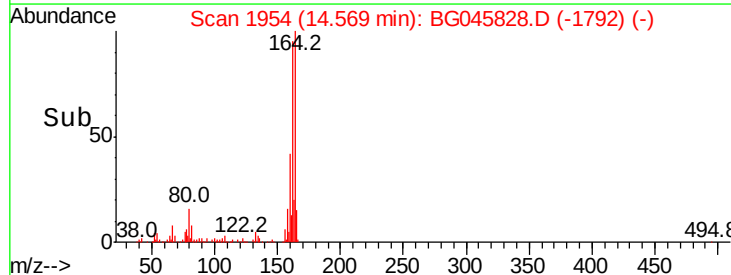
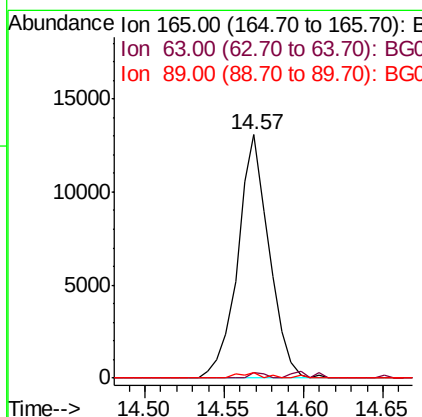
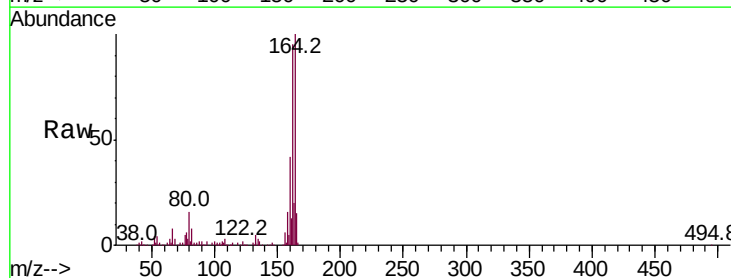
Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616DL2

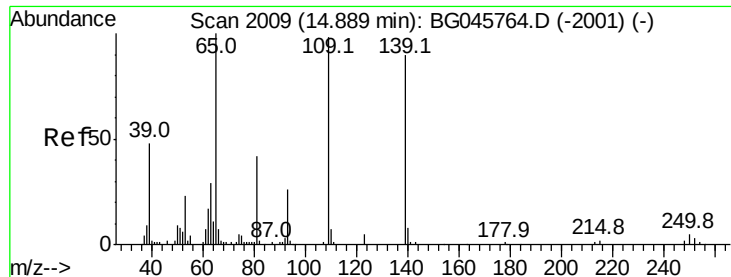
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.9	44.9
170	22.1	19.3	28.9



#51
2,6-Dinitrotoluene
Concen: 7.342 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.42 min
Lab File: BG045828.D
Acq: 22 Jun 2020 15:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	41.2	61.8#
89	2.3	49.7	74.5#





#56

4-Nitrophenol

Concen: 4.055 ng

RT: 14.46 min Scan# 1935

Delta R.T. -0.43 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

Instrument :

BNA_G

ClientSampleId :

KY032MW006-200616DL2

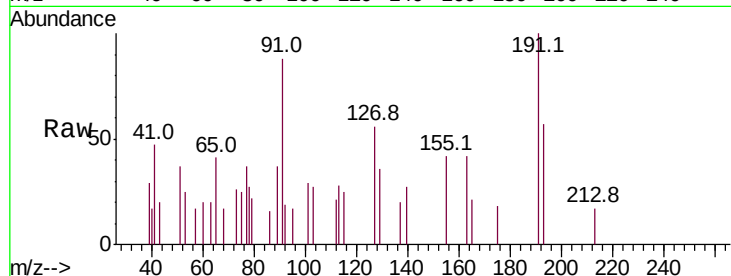
Tot Ion:139 Resp: 149

Ion Ratio Lower Upper

139 100

109 0.0 88.9 128.9#

65 149.0 92.3 132.3#

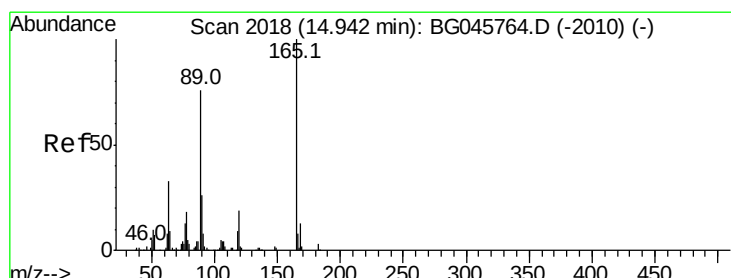
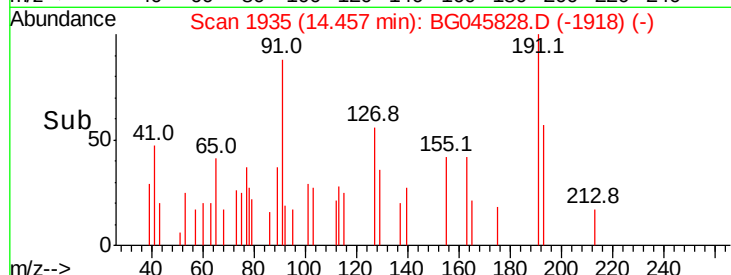
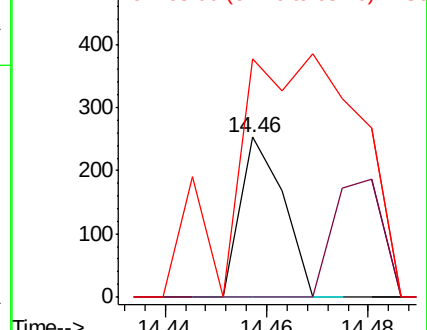


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 5.124 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.37 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

Tgt Ion:165 Resp: 17793

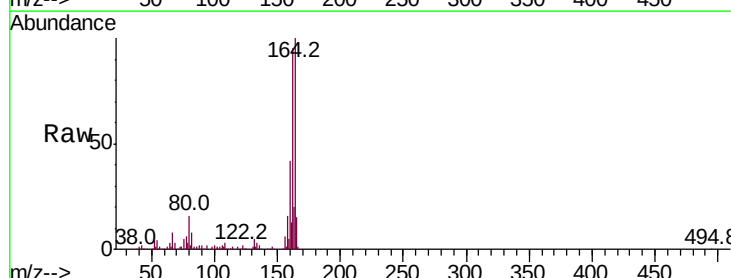
Ion Ratio Lower Upper

165 100

63 2.5 33.8 50.8#

89 2.3 60.4 90.6#

182 0.0 2.6 3.8#



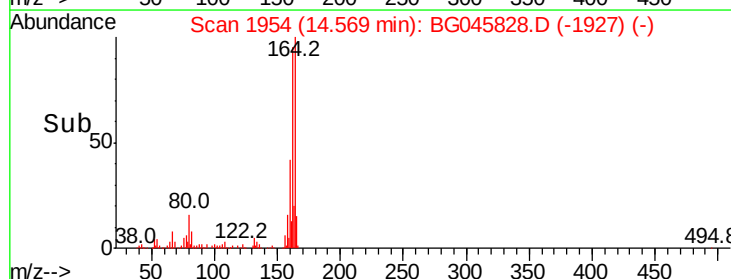
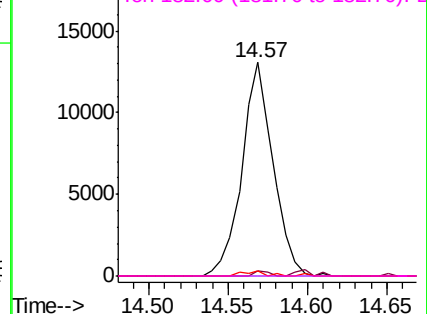
Abundance

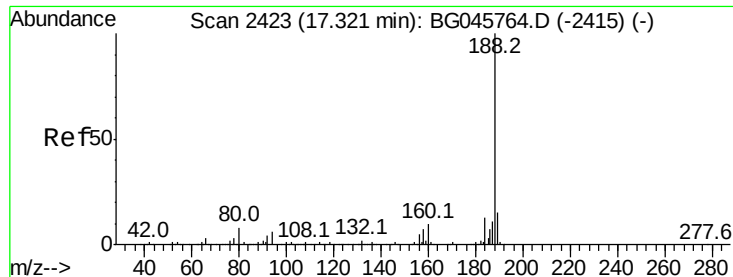
Ion 165.00 (164.70 to 165.70): E

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

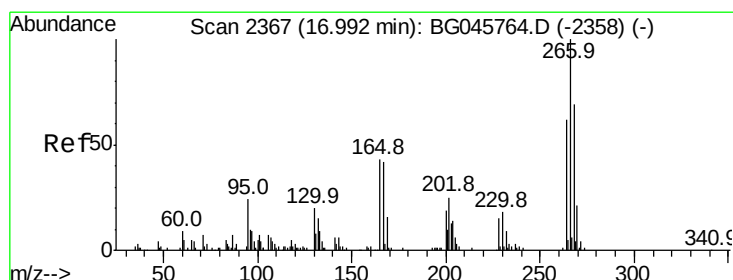
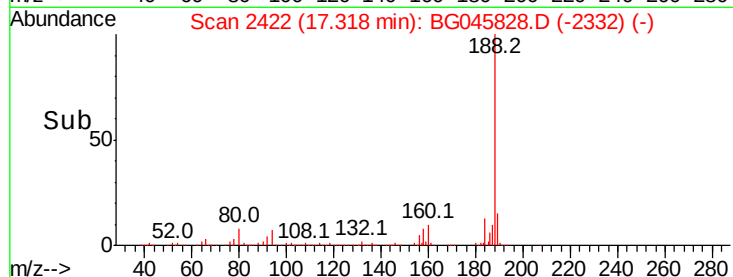
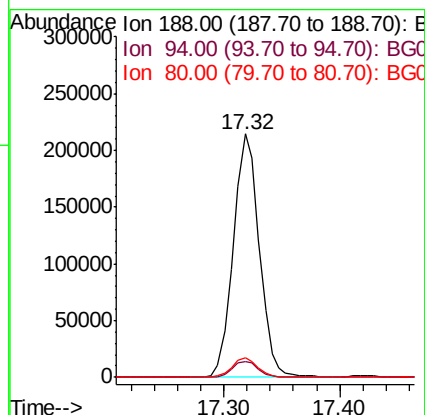
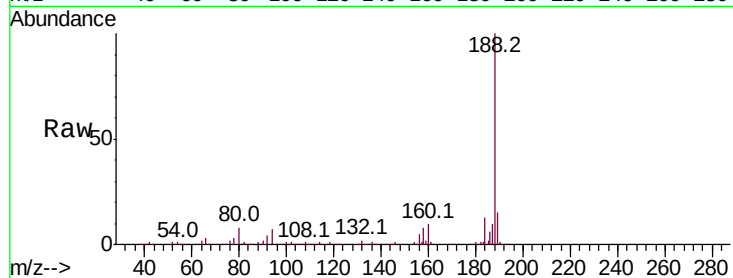




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.00 min
Lab File: BG045828.D
Acq: 22 Jun 2020 15:36

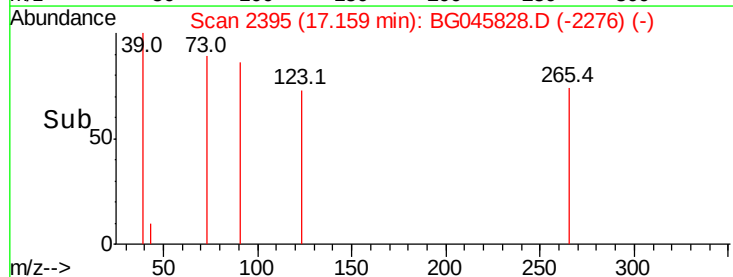
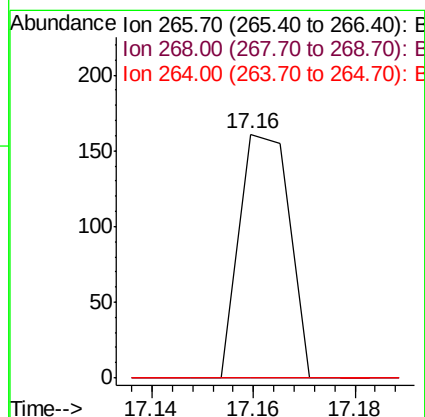
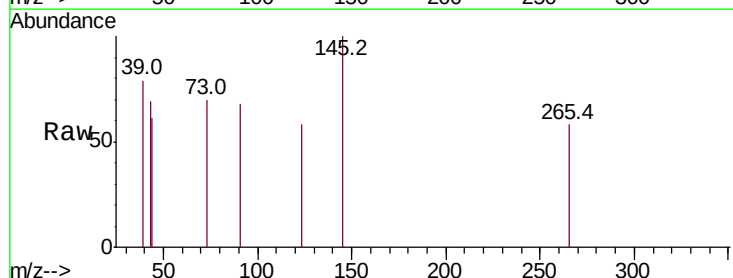
Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616DL2

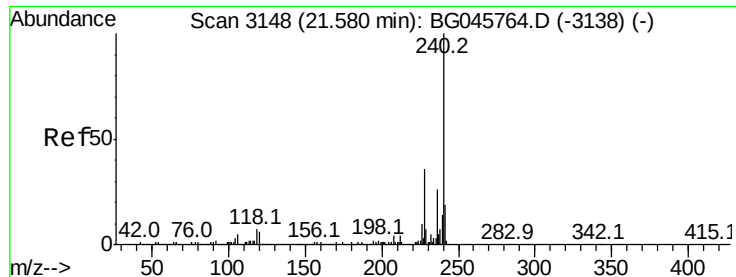
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.1	7.7
80	7.9	6.2	9.4



#70
Pentachlorophenol
Concen: 7.678 ng
RT: 17.16 min Scan# 2395
Delta R.T. 0.17 min
Lab File: BG045828.D
Acq: 22 Jun 2020 15:36

Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	55.4	83.0#
264	0.0	49.8	74.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

Instrument :

BNA_G

ClientSampleId :

KY032MW006-200616DL2

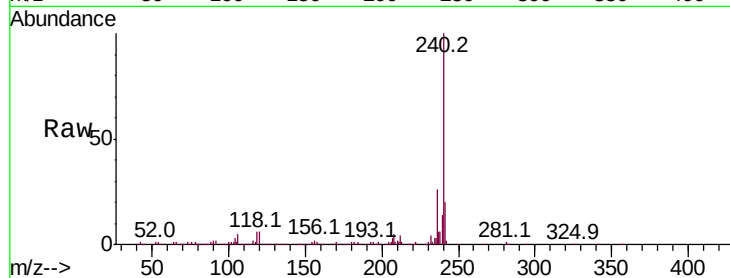
Tot Ion:240 Resp: 340600

Ion Ratio Lower Upper

240 100

120 6.3 5.0 7.4

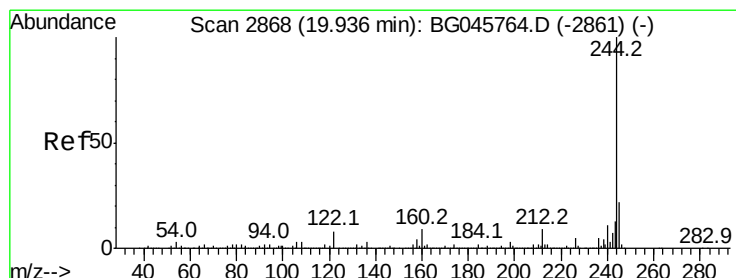
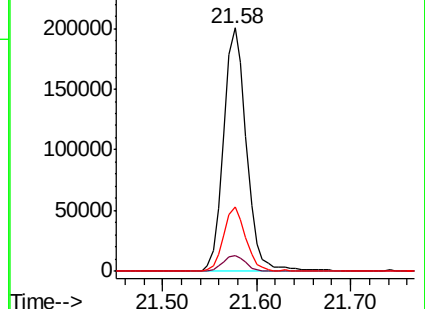
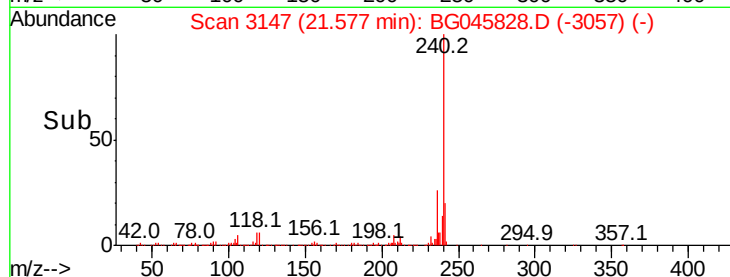
236 26.4 20.6 30.8



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



#79

Terphenyl-d14

Concen: 2.047 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG045828.D

Acq: 22 Jun 2020 15:36

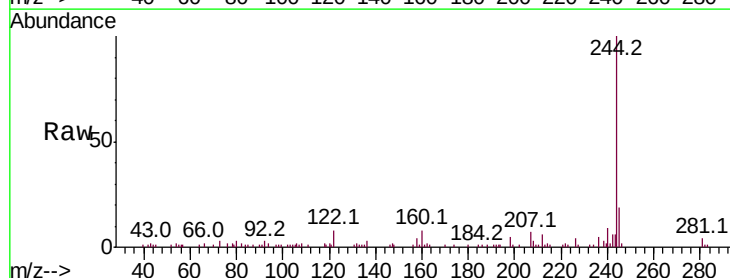
Tgt Ion:244 Resp: 34406

Ion Ratio Lower Upper

244 100

212 6.5 7.2 10.8#

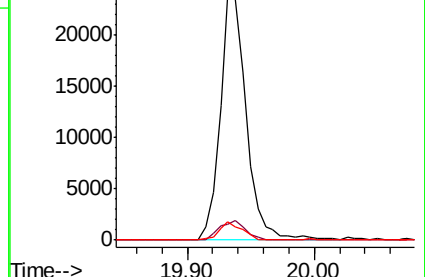
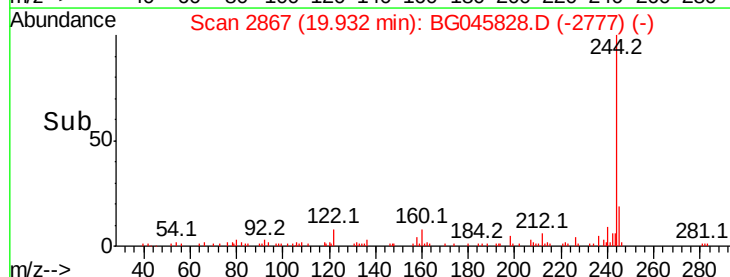
122 7.5 6.4 9.6

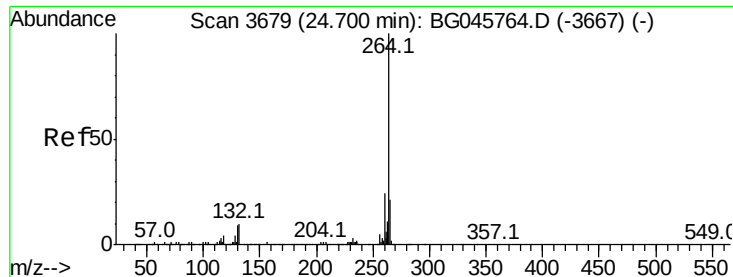


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.71 min Scan# 3680
Delta R.T. 0.01 min
Lab File: BG045828.D
Acq: 22 Jun 2020 15:36

Instrument :
BNA_G
ClientSampleId :
KY032MW006-200616DL2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	22.0	17.4	26.0

