

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051520\
 Data File : BG045410.D
 Acq On : 15 May 2020 23:58
 Operator : CG/JU
 Sample : L2663-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 16 01:20:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 15:45:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	72320	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	290925	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	182734	20.00	ng	0.01
64) Phenanthrene-d10	17.39	188	358212	20.00	ng	0.02
76) Chrysene-d12	21.64	240	360038	20.00	ng	0.02
87) Perylene-d12	24.79	264	403483	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	255648	69.08	ng	0.00
7) Phenol-d6	7.15	99	329729	62.60	ng	0.01
23) Nitrobenzene-d5	9.13	82	385730	72.30	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	190696	81.60	ng	0.02
45) 2-Fluorobiphenyl	13.23	172	829913	77.04	ng	0.00
79) Terphenyl-d14	20.01	244	1253001	81.17	ng	0.03

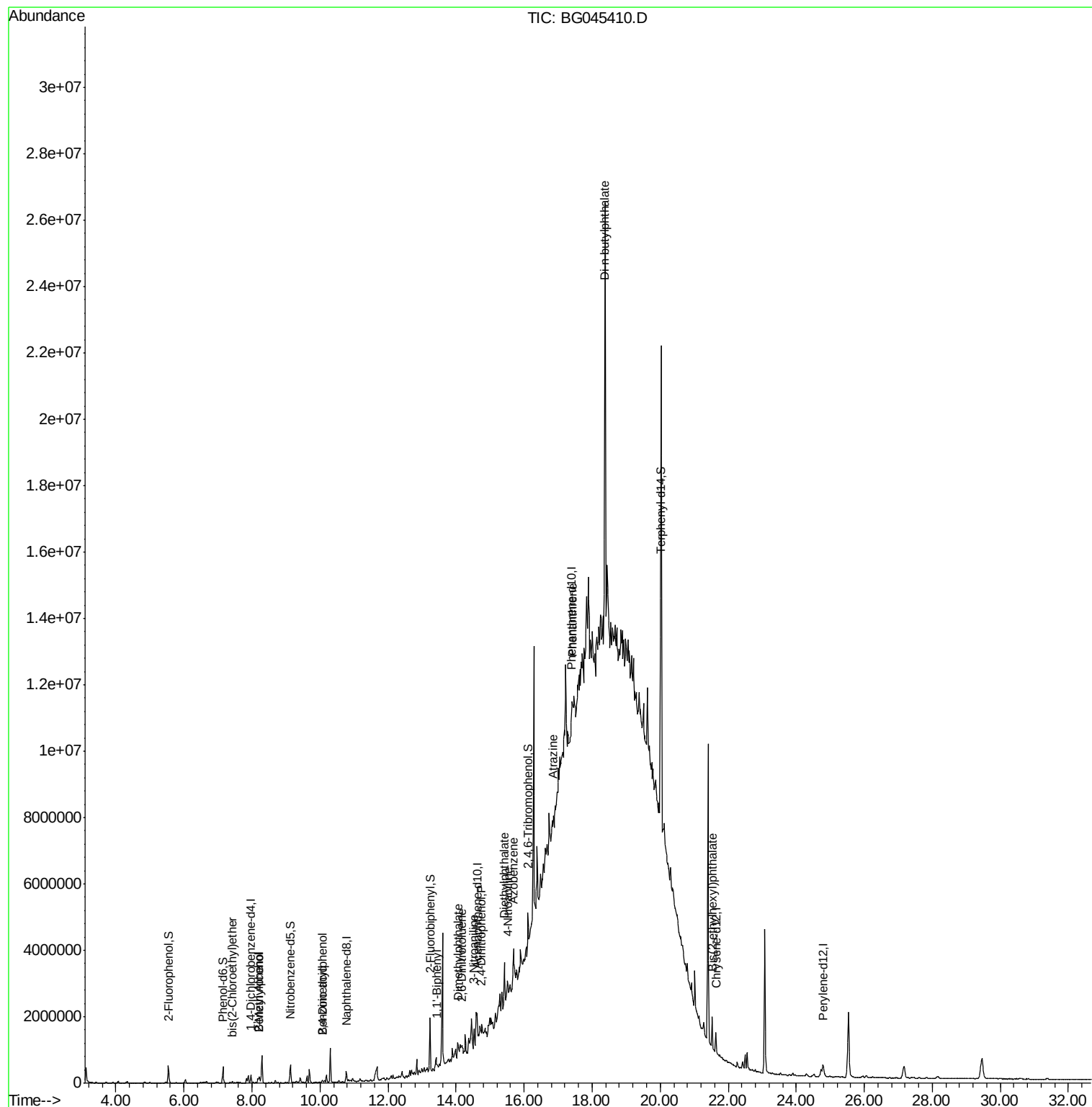
Target Compounds				Qvalue		
11) bis(2-Chloroethyl)ether	7.41	93	11539	2.725	ng	# 27
15) Benzyl Alcohol	8.20	79	56270	12.933	ng	# 95
17) 2-Methylphenol	8.21	107	28649	7.051	ng	# 22
27) 2,4-Dimethylphenol	10.07	122	38030	10.487	ng	# 1
32) Benzoic acid	10.07	122	38030	22.222	ng	# 90
46) 1,1'-Biphenyl	13.44	154	27862	2.481	ng	# 94
50) Dimethylphthalate	14.06	163	148202	11.823	ng	# 92
51) 2,6-Dinitrotoluene	14.18	165	11416	4.036	ng	# 40
53) 3-Nitroaniline	14.53	138	13005	4.523	ng	# 54
54) 2,4-Dinitrophenol	14.73	184	383	5.652	ng	# 1
60) Diethylphthalate	15.41	149	28366	2.174	ng	# 43
62) 4-Nitroaniline	15.51	138	31074	10.352	ng	# 91
63) Azobenzene	15.69	77	39204	3.222	ng	# 57
69) Atrazine	16.85	200	26396	7.451	ng	# 1
71) Phenanthrene	17.42	178	41703	2.667	ng	# 1
74) Di-n-butylphthalate	18.37	149	109365	5.952	ng	# 24
84) Bis(2-ethylhexyl)phthalate	21.53	149	369517	30.345	ng	# 98

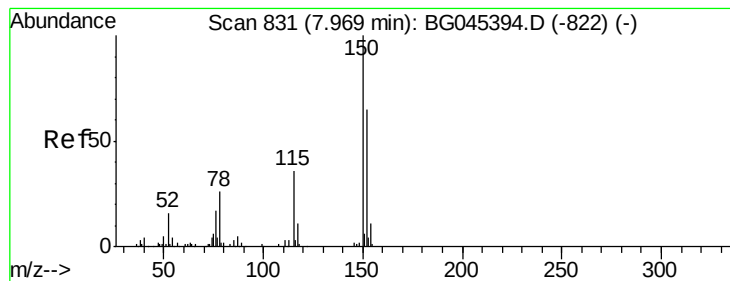
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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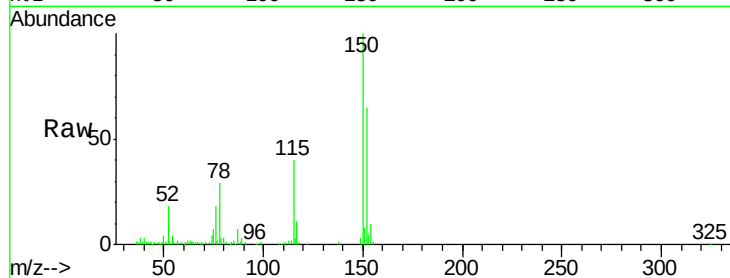


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

Instrument :
BNA_G
ClientSampled :

Tot Ion	152	Resp	72320
Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.4	183.6
115	61.5	44.2	66.4

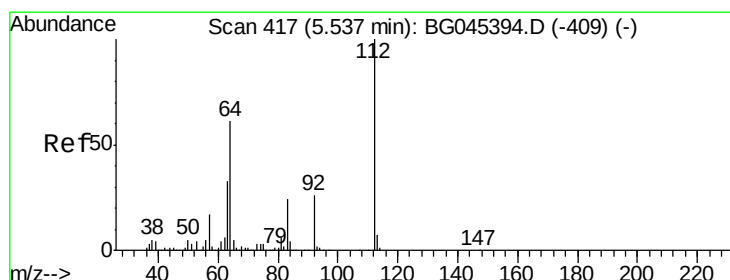
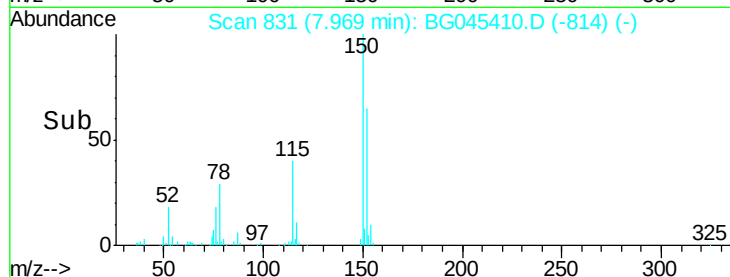
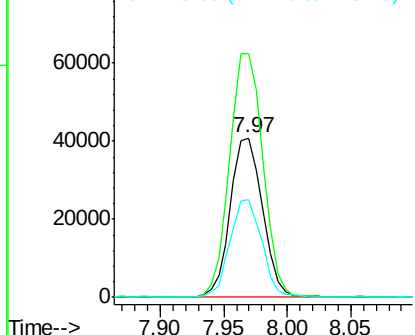


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

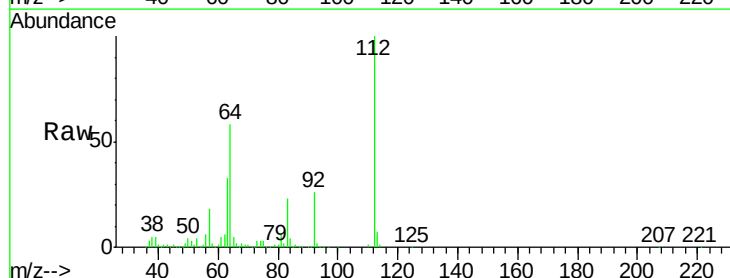
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 69.084 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

Tgt Ion	112	Resp	255648
Ion	Ratio	Lower	Upper
112	100		
64	58.0	48.6	72.8
63	33.1	26.5	39.7

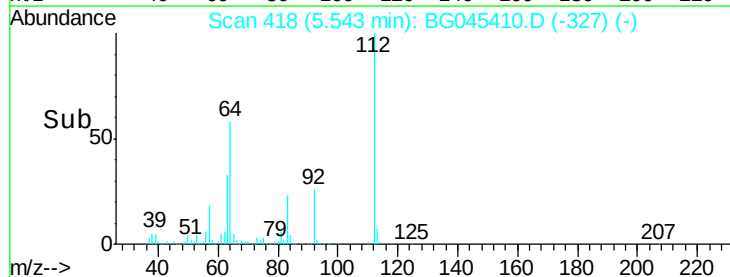
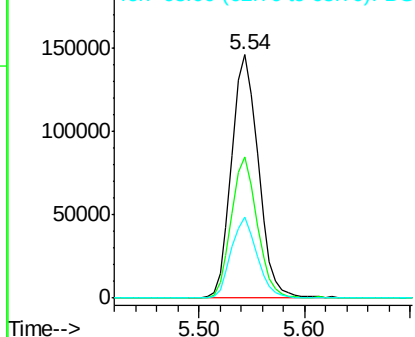


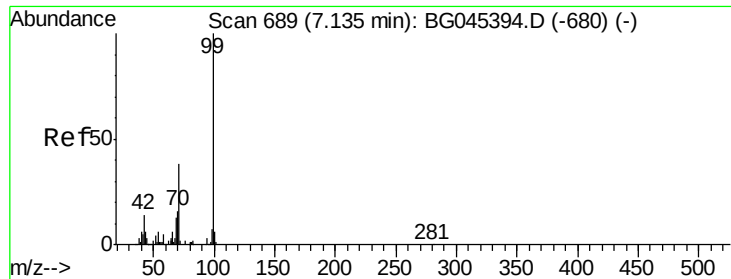
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 62.603 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

Instrument :

BNA_G

ClientSampleId :

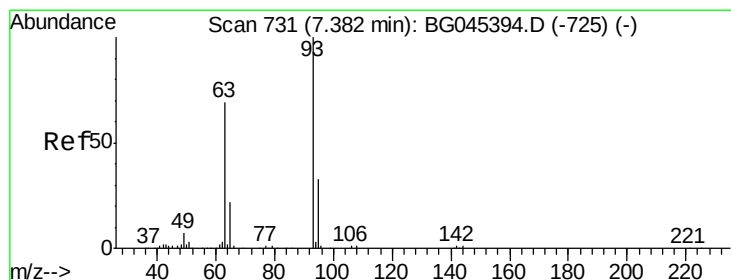
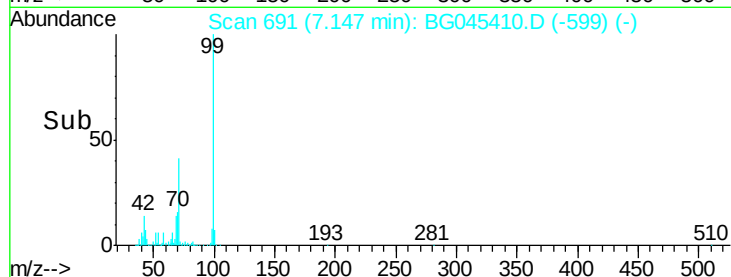
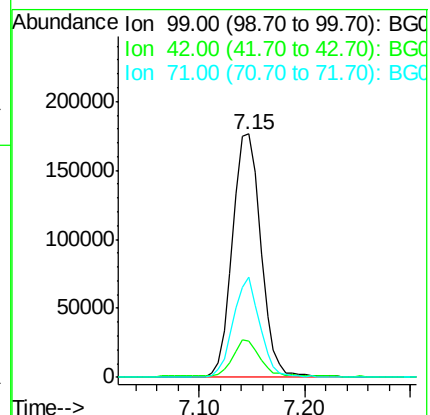
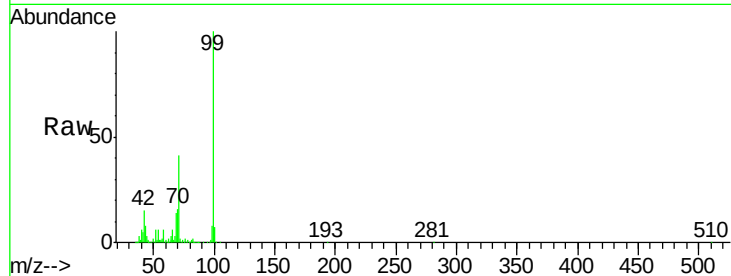
Tot Ion: 99 Resp: 329729

Ion Ratio Lower Upper

99 100

42 15.0 11.3 16.9

71 41.0 30.8 46.2



#11

bis(2-Chloroethyl)ether

Concen: 2.725 ng

RT: 7.41 min Scan# 736

Delta R.T. 0.03 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

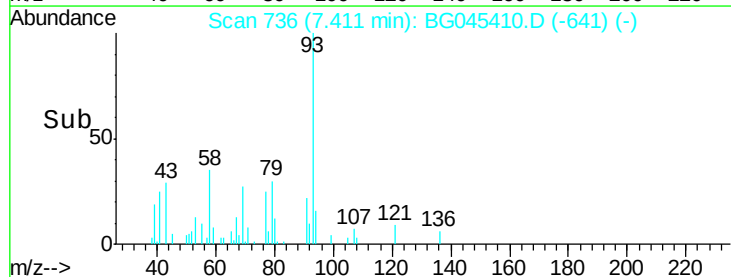
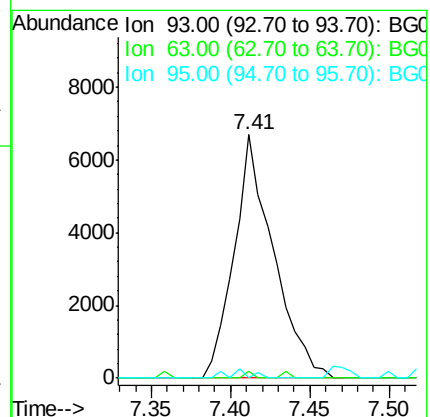
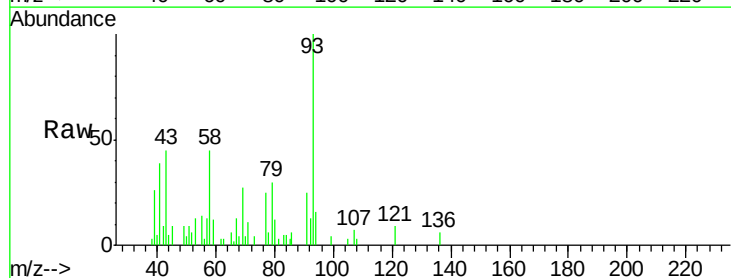
Tgt Ion: 93 Resp: 11539

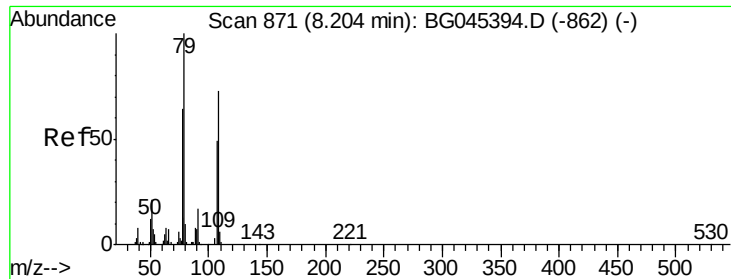
Ion Ratio Lower Upper

93 100

63 2.9 48.4 88.4#

95 0.0 12.4 52.4#





#15

Benzyl Alcohol

Concen: 12.933 ng

RT: 8.20 min Scan# 871

Delta R.T. 0.00 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

Instrument :

BNA_G

ClientSampleId :

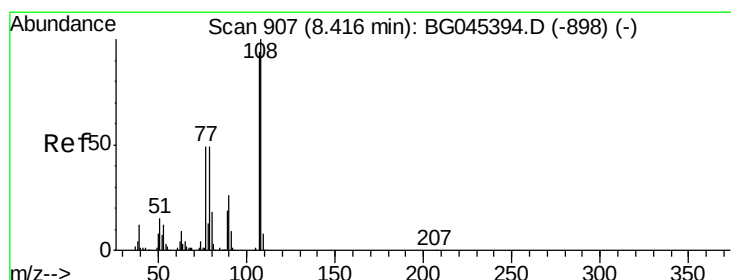
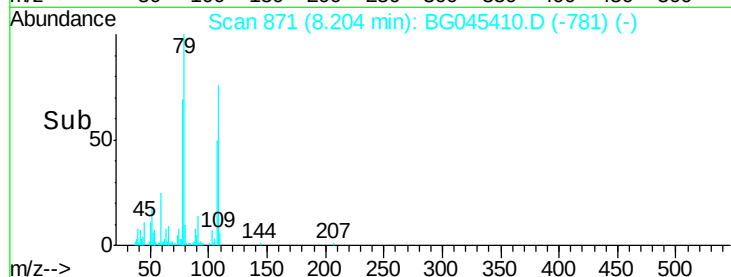
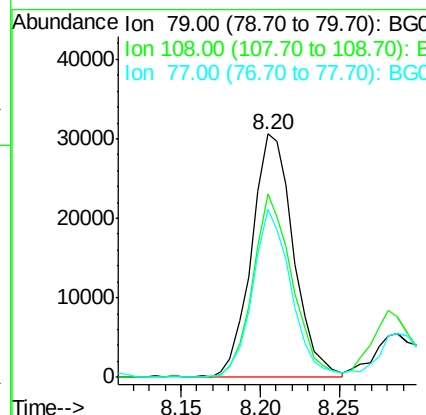
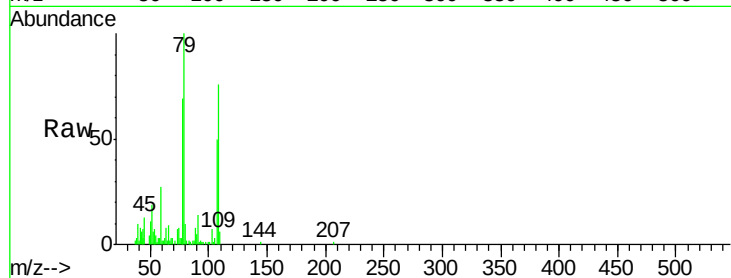
Tot Ion: 79 Resp: 56270

Ion Ratio Lower Upper

79 100

108 75.6 58.2 87.4

77 69.0 51.0 76.4



#17

2-Methylphenol

Concen: 7.051 ng

RT: 8.21 min Scan# 872

Delta R.T. -0.21 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

Tgt Ion: 107 Resp: 28649

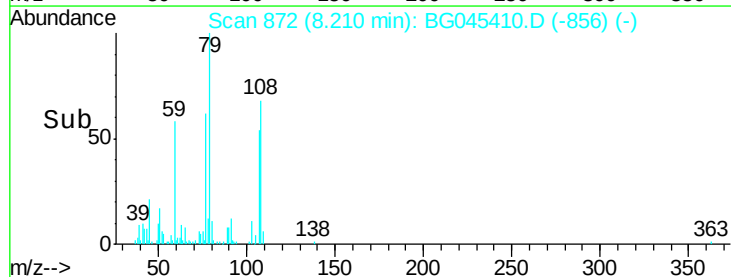
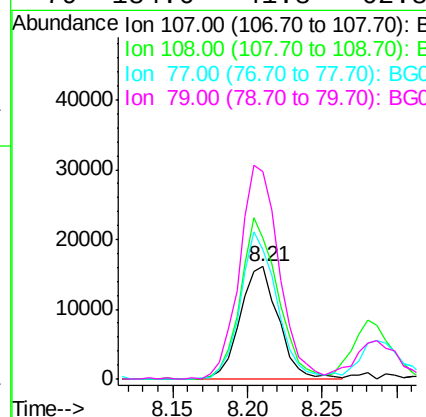
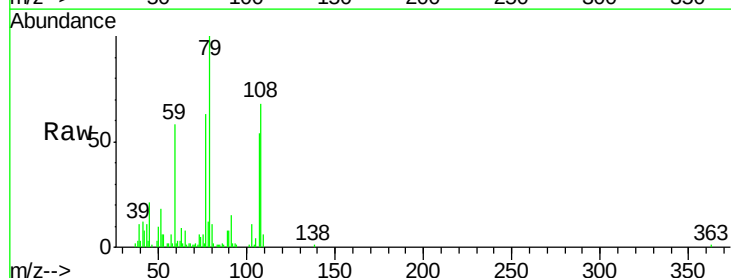
Ion Ratio Lower Upper

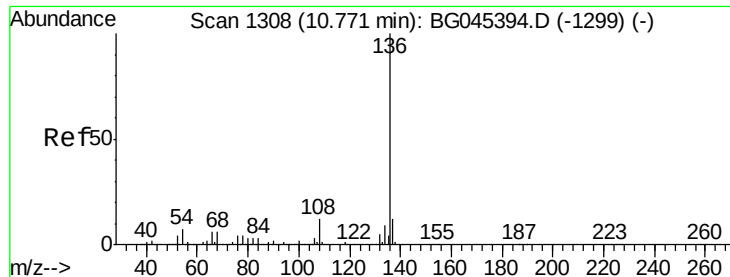
107 100

108 125.8 85.2 127.8

77 115.9 41.6 62.4#

79 184.6 41.8 62.8#

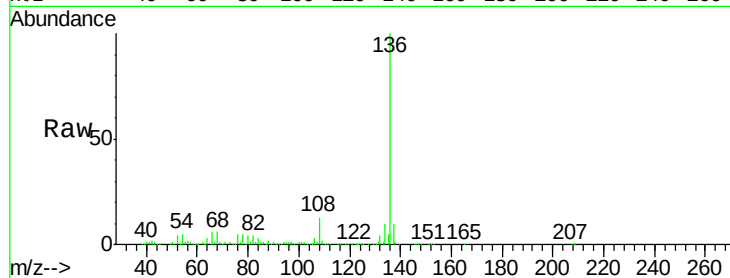




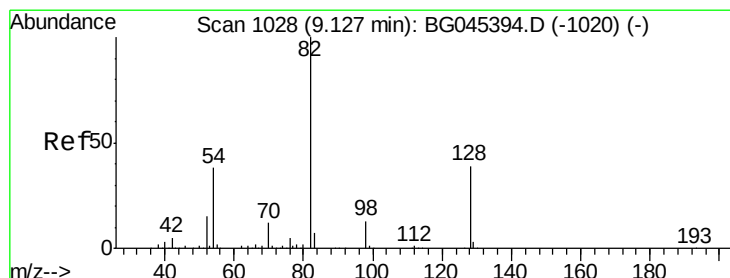
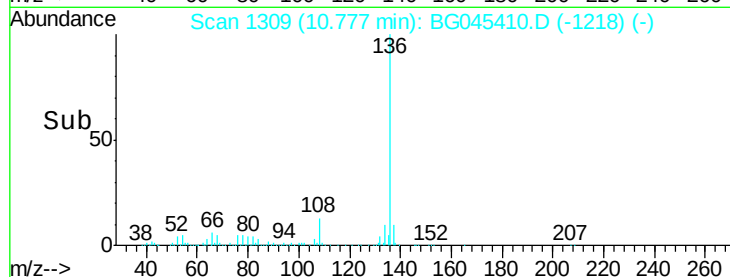
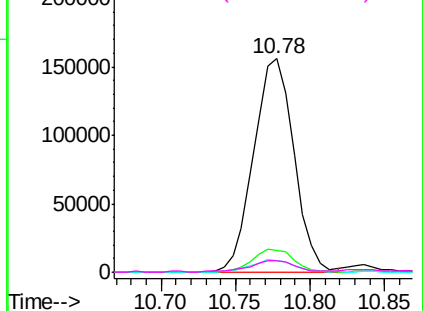
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	290925
Ion Ratio	Lower	Upper
136	100	
137	10.0	9.4 14.2
54	5.5	5.8 8.6#
68	5.5	4.5 6.7

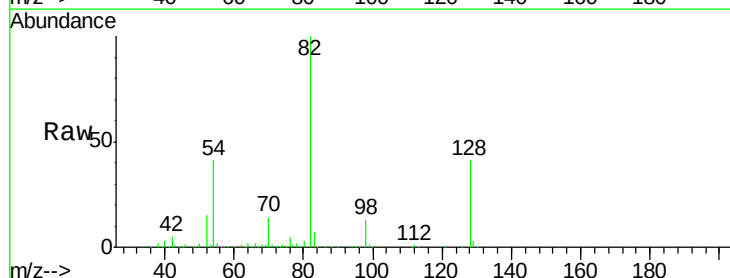


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

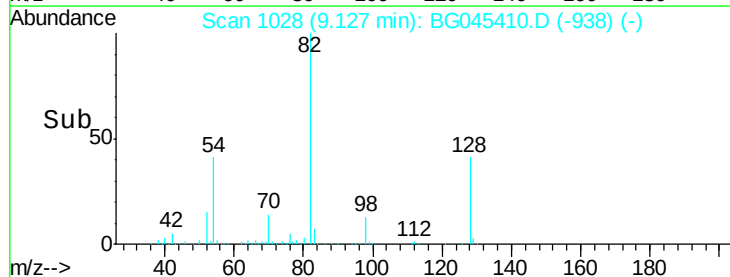
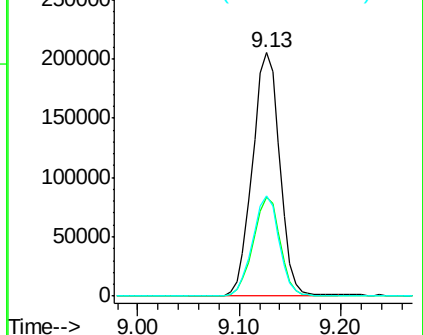


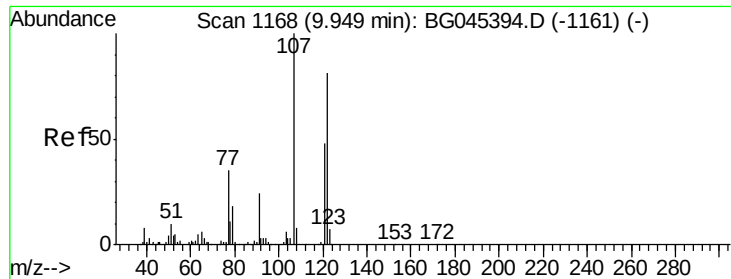
#23
Nitrobenzene-d5
Concen: 72.302 ng
RT: 9.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

Tgt Ion: 82	Resp:	385730
Ion Ratio	Lower	Upper
82	100	
128	40.6	30.9 46.3
54	41.2	30.3 45.5



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

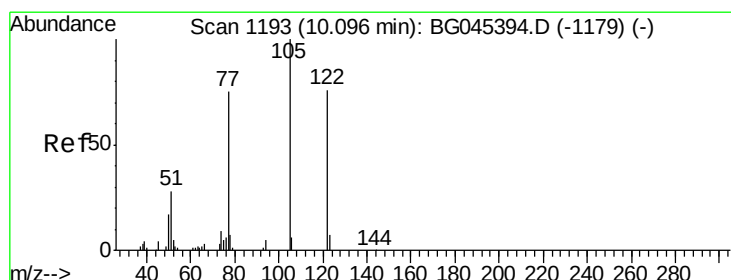
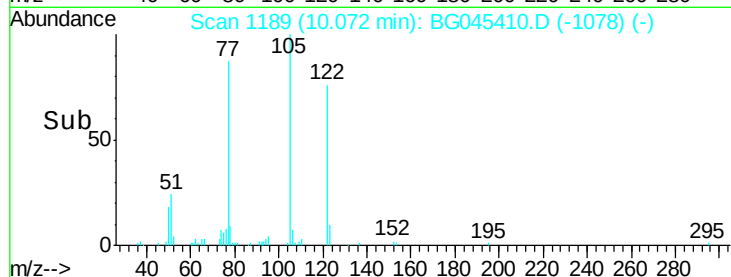
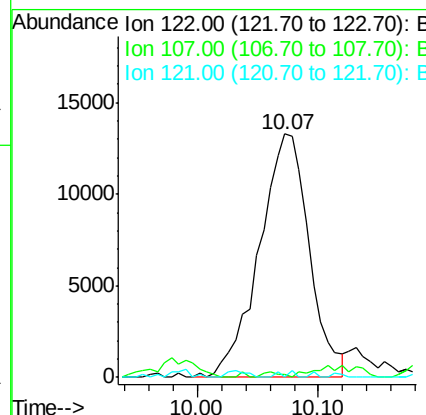
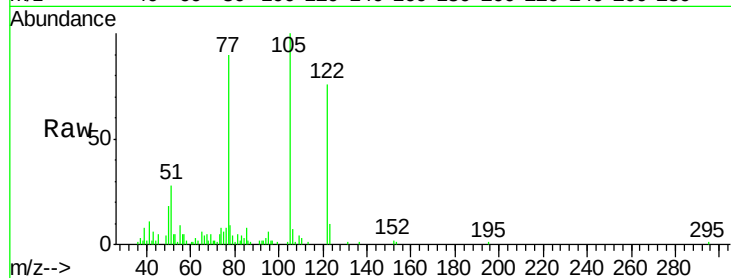




#27
2,4-Dimethylphenol
Concen: 10.487 ng
RT: 10.07 min Scan# 1189
Delta R.T. 0.12 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

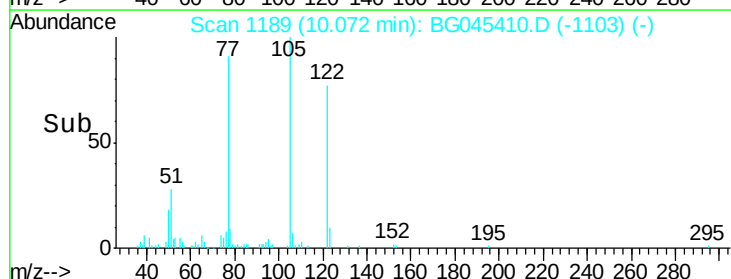
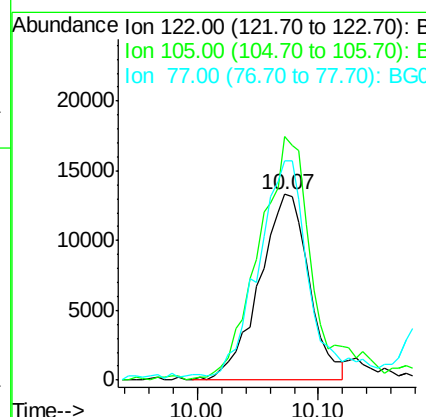
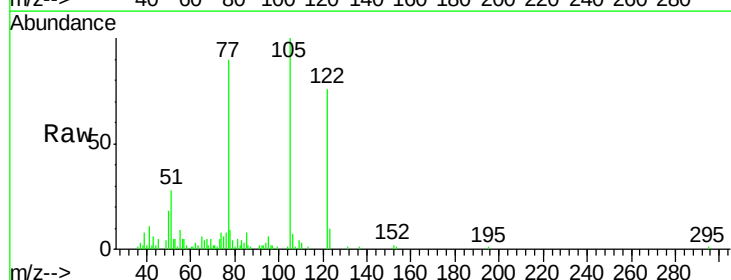
Instrument :
BNA_G
ClientSampleId :

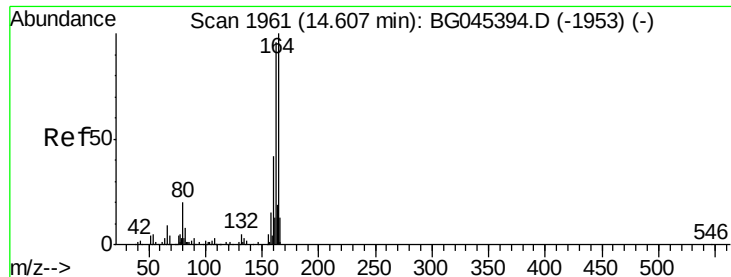
Tot Ion:122 Resp: 38030
Ion Ratio Lower Upper
122 100
107 1.4 99.0 148.4#
121 0.0 47.7 71.5#



#32
Benzoic acid
Concen: 22.222 ng
RT: 10.07 min Scan# 1189
Delta R.T. -0.02 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

Tgt Ion:122 Resp: 38030
Ion Ratio Lower Upper
122 100
105 131.3 107.9 147.9
77 118.4 78.9 118.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

Instrument :

BNA_G

ClientSampleId :

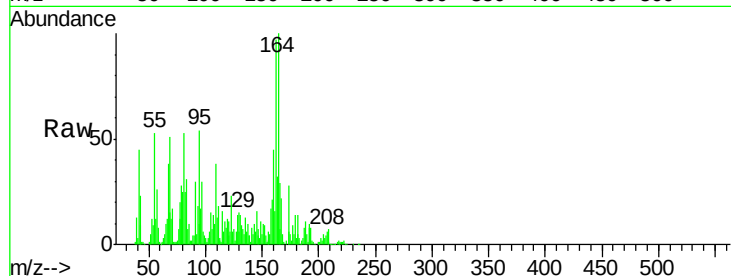
Tot Ion:164 Resp: 182734

Ion Ratio Lower Upper

164 100

162 97.2 76.9 115.3

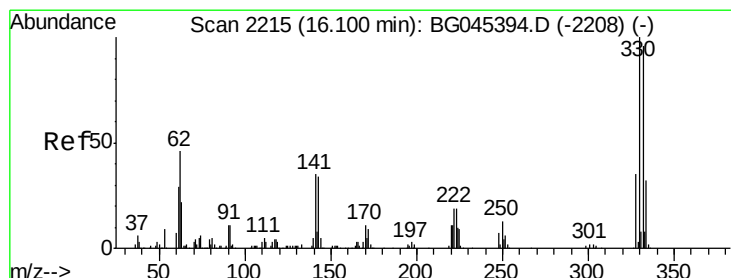
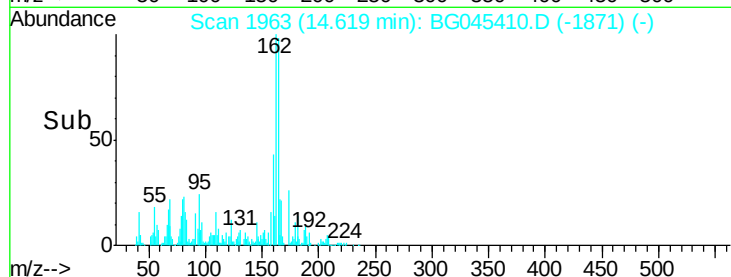
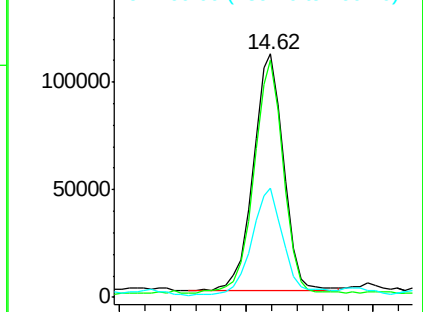
160 45.0 33.8 50.8



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: 81.600 ng

RT: 16.12 min Scan# 2219

Delta R.T. 0.02 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

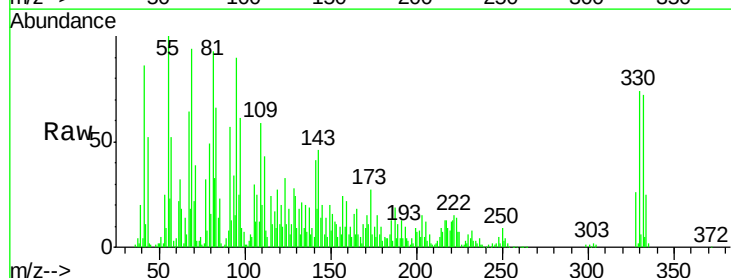
Tgt Ion:330 Resp: 190696

Ion Ratio Lower Upper

330 100

332 97.0 78.2 117.4

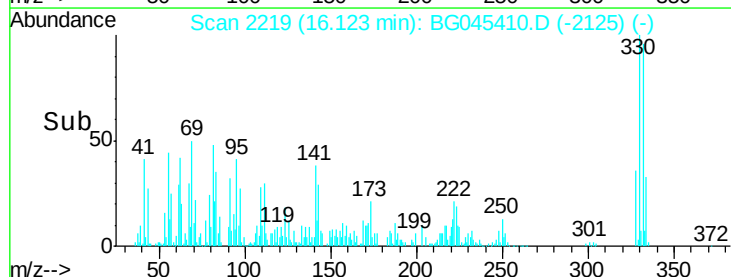
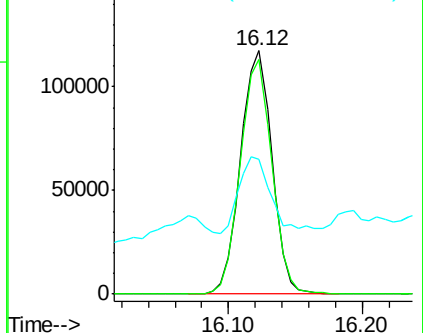
141 33.1 28.2 42.4

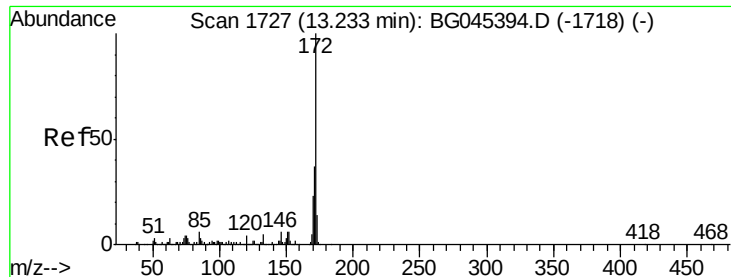


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

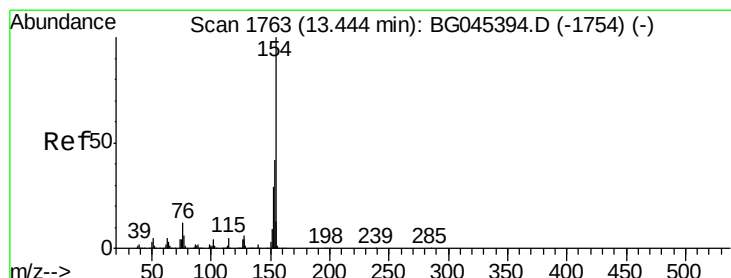
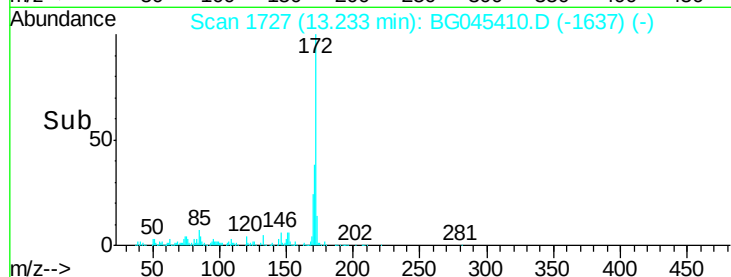
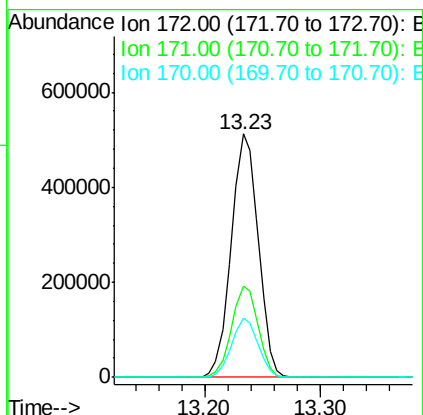
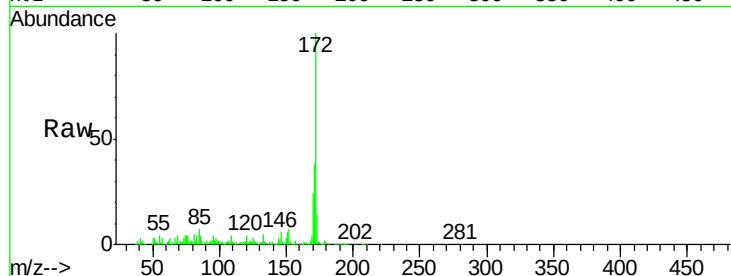




#45
 2-Fluorobiphenyl
 Concen: 77.036 ng
 RT: 13.23 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: BG045410.D
 Acq: 15 May 2020 23:58

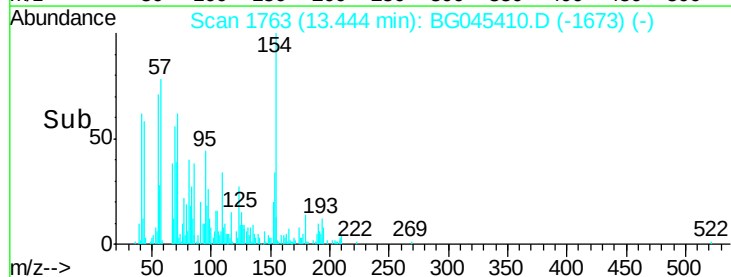
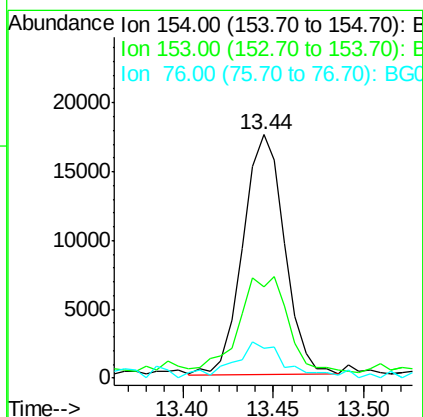
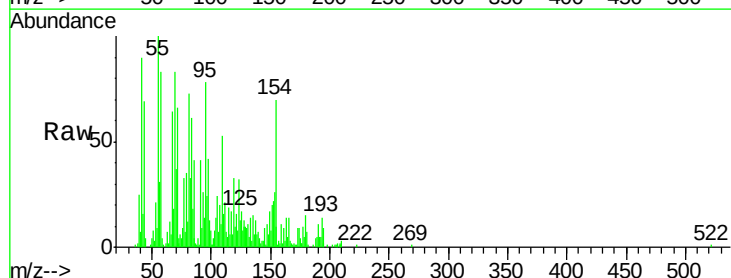
Instrument :
 BNA_G
 ClientSampleId :

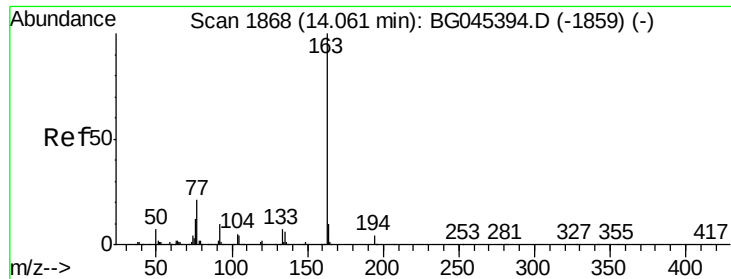
Tot Ion:172	Resp: 829913
Ion Ratio	Lower Upper
172 100	
171 37.7	29.5 44.3
170 24.1	18.5 27.7



#46
 1,1'-Biphenyl
 Concen: 2.481 ng
 RT: 13.44 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: BG045410.D
 Acq: 15 May 2020 23:58

Tgt Ion:154	Resp: 27862
Ion Ratio	Lower Upper
154 100	
153 37.3	22.2 62.2
76 12.4	0.0 32.4





#50

Dimethylphthalate

Concen: 11.823 ng

RT: 14.06 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

Instrument :

BNA_G

ClientSampleId :

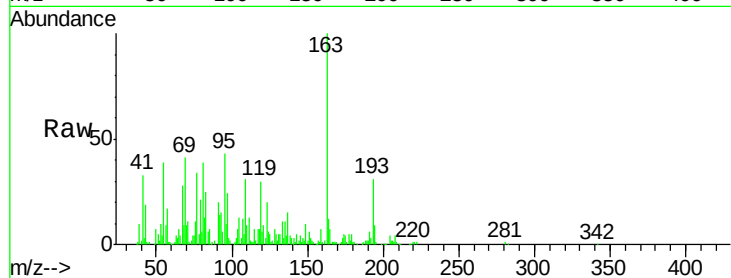
Tot Ion:163 Resp: 148202

Ion Ratio Lower Upper

163 100

194 9.2 3.2 4.8#

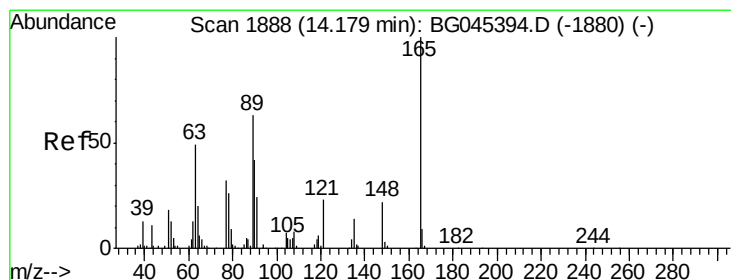
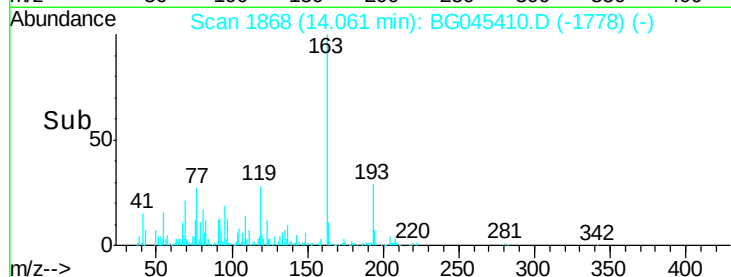
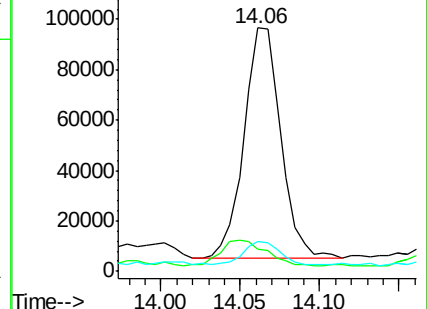
164 12.5 8.3 12.5#



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

2,6-Dinitrotoluene

Concen: 4.036 ng

RT: 14.18 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

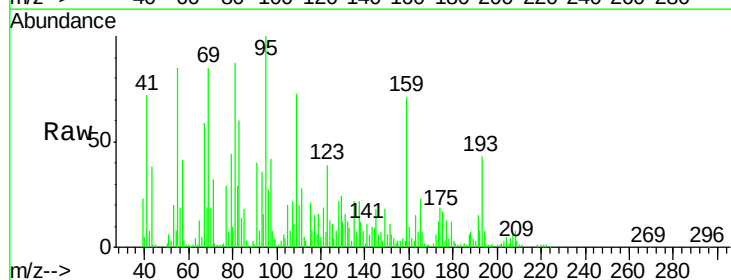
Tgt Ion:165 Resp: 11416

Ion Ratio Lower Upper

165 100

63 17.4 45.0 67.4#

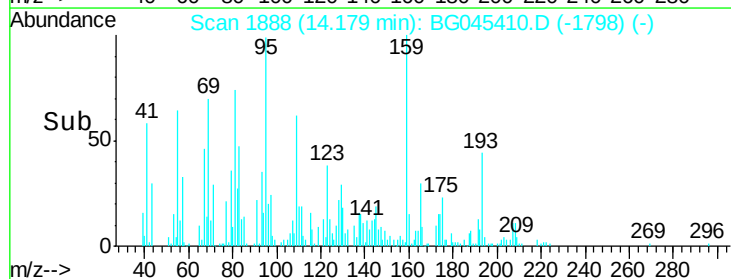
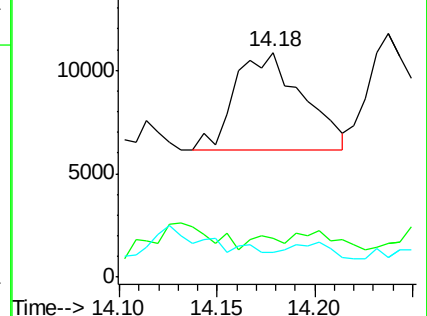
89 11.1 50.2 75.4#

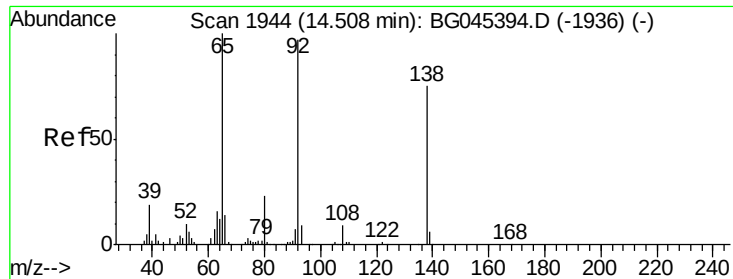


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

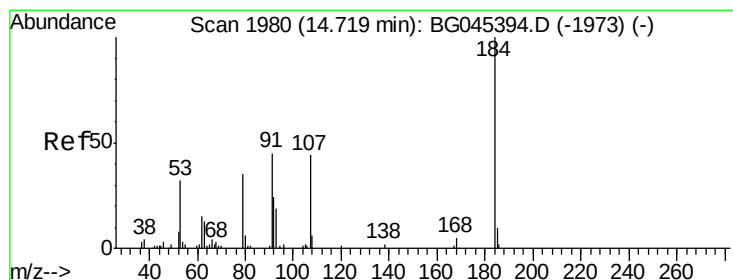
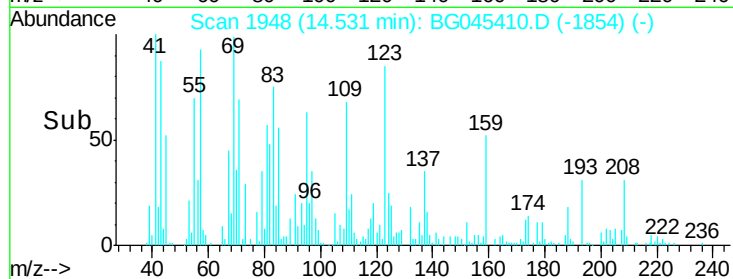
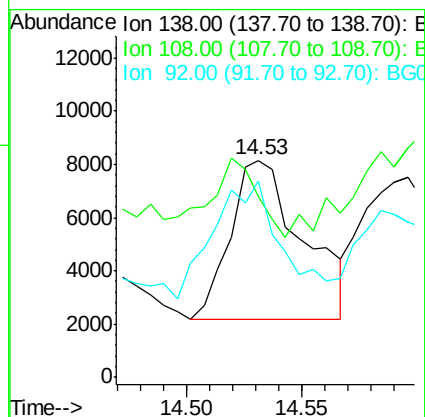
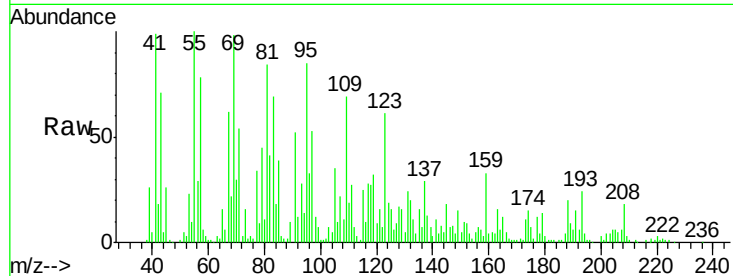




#53
3-Nitroaniline
Concen: 4.523 ng
RT: 14.53 min Scan# 1948
Delta R.T. 0.02 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

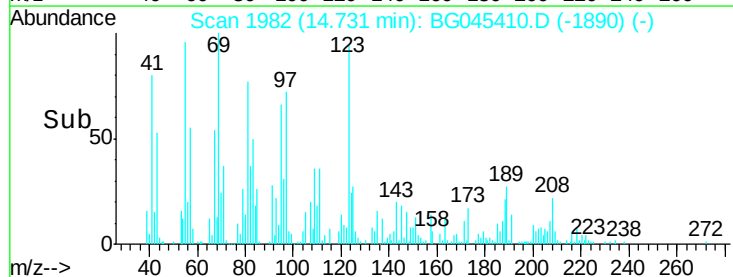
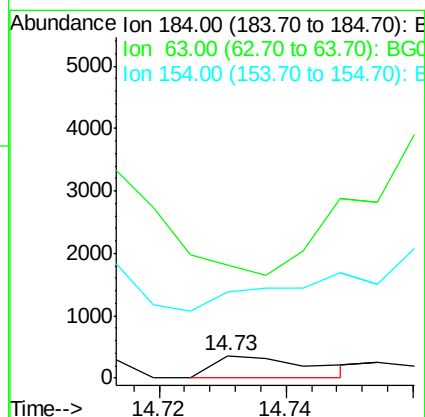
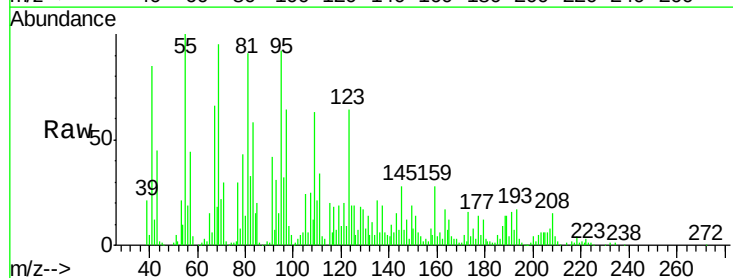
Instrument :
BNA_G
ClientSampleId :

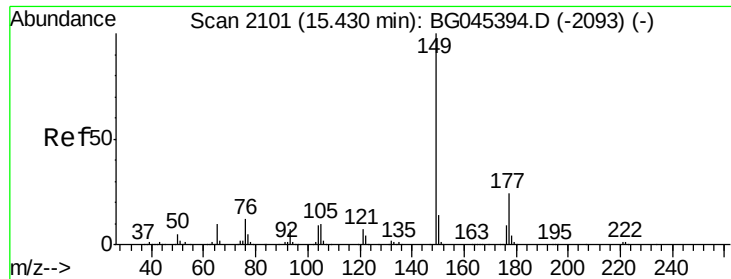
Tot Ion:138 Resp: 13005
Ion Ratio Lower Upper
138 100
108 83.3 9.8 14.6#
92 90.8 103.0 154.4#



#54
2,4-Dinitrophenol
Concen: 5.652 ng
RT: 14.73 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

Tgt Ion:184 Resp: 383
Ion Ratio Lower Upper
184 100
63 501.1 47.8 71.6#
154 383.4 58.3 87.5#

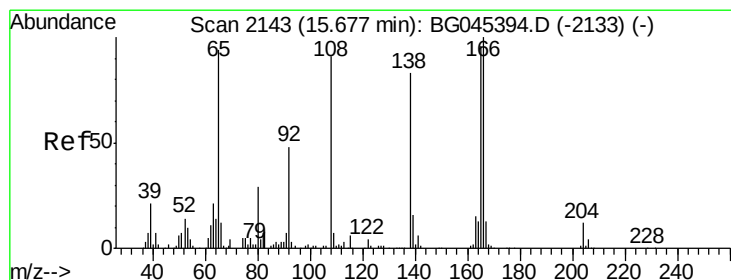
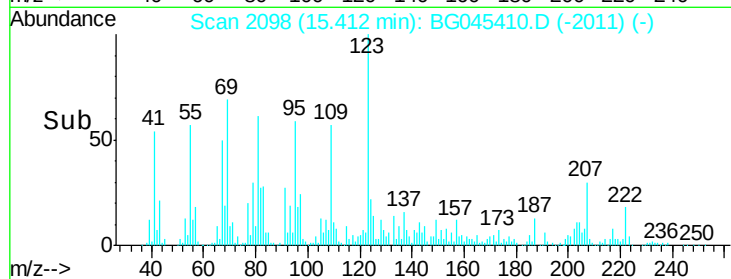
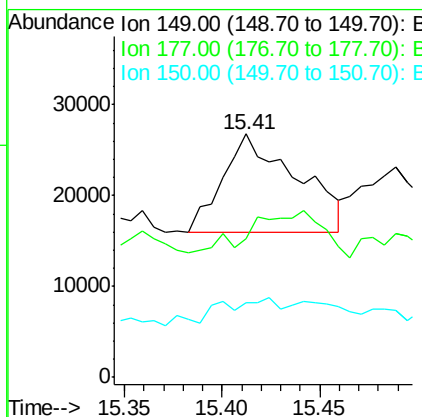
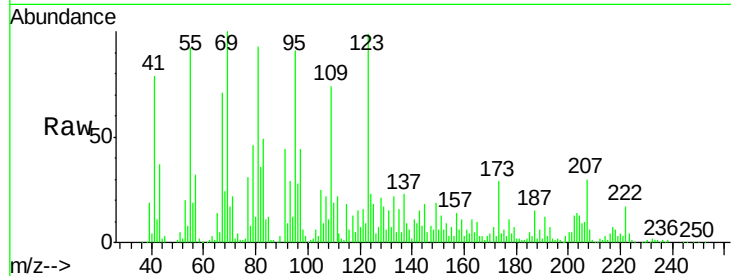




#60
Diethylphthalate
Concen: 2.174 ng
RT: 15.41 min Scan# 2098
Delta R.T. -0.02 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

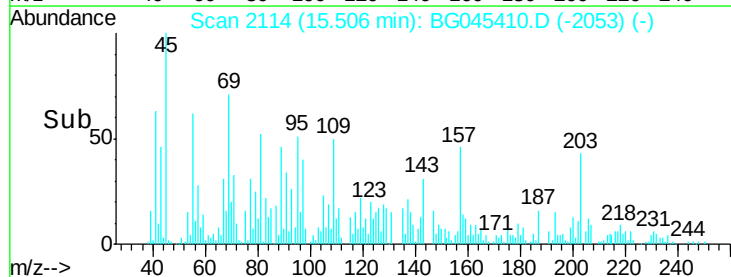
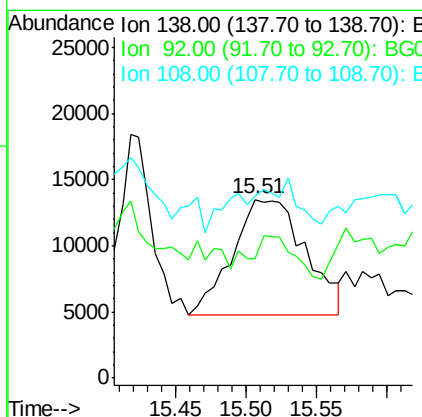
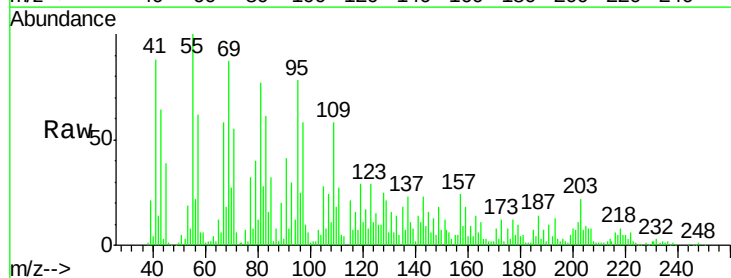
Instrument :
BNA_G
ClientSampled :

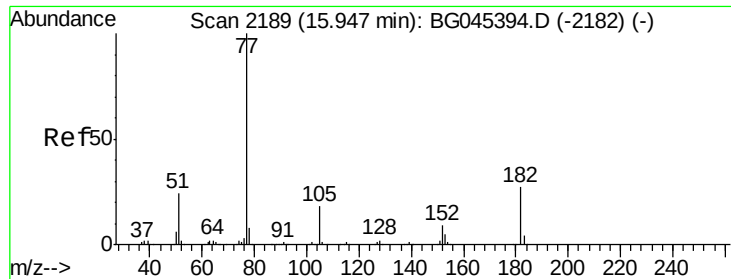
Tot Ion:149 Resp: 28366
Ion Ratio Lower Upper
149 100
177 56.8 19.0 28.4#
150 30.6 11.4 17.0#



#62
4-Nitroaniline
Concen: 10.352 ng
RT: 15.51 min Scan# 2114
Delta R.T. -0.17 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

Tgt Ion:138 Resp: 31074
Ion Ratio Lower Upper
138 100
92 66.8 38.0 78.0
108 101.6 89.3 129.3

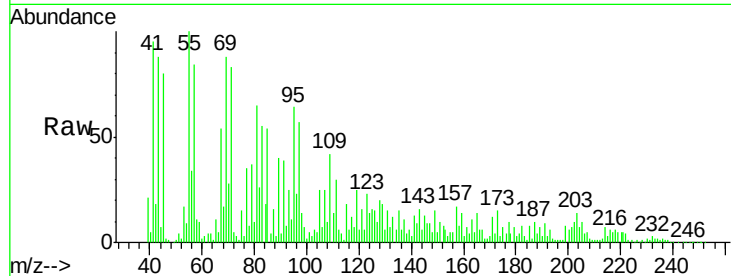




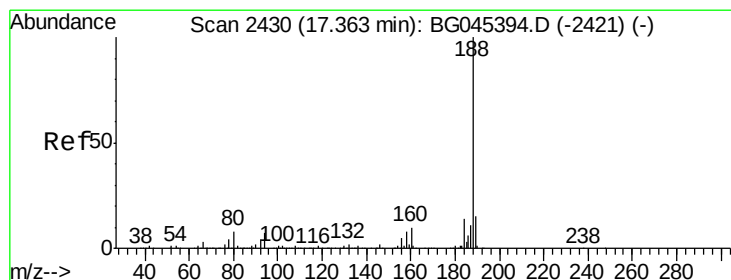
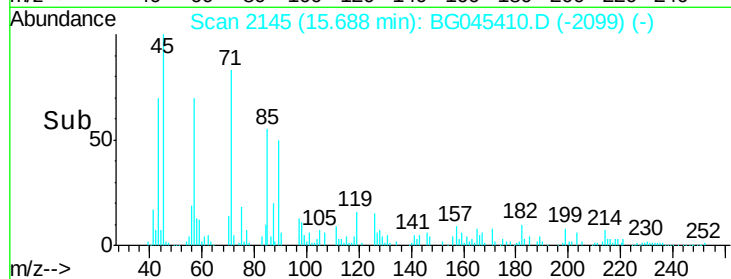
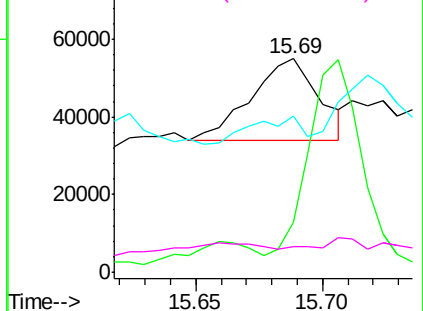
#63
Azobenzene
Concen: 3.222 ng
RT: 15.69 min Scan# 2145
Delta R.T. -0.26 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	77	Resp:	39204
Ion	Ratio	Lower	Upper
77	100		
182	23.7	6.5	46.5
105	73.3	0.0	37.9#
51	12.0	4.1	44.1

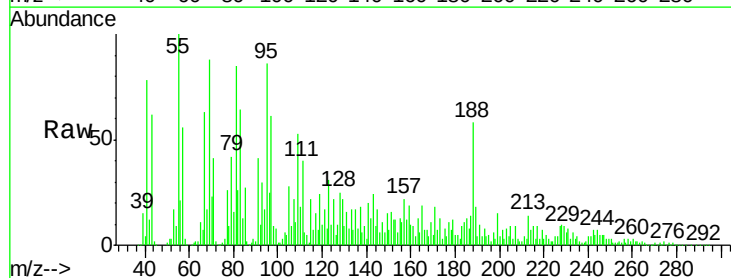


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

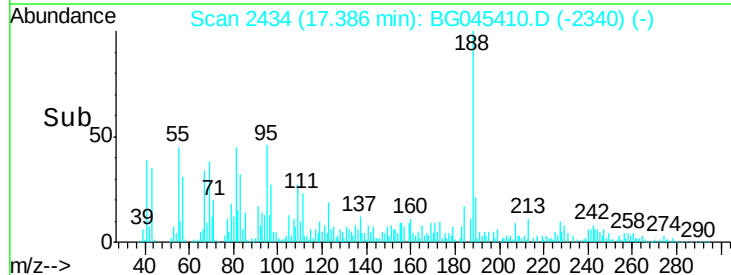
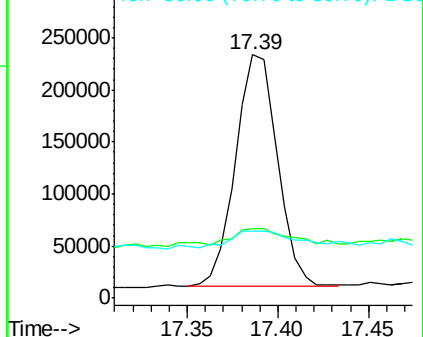


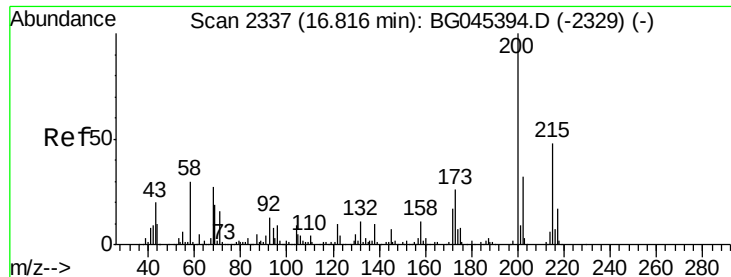
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2434
Delta R.T. 0.02 min
Lab File: BG045410.D
Acq: 15 May 2020 23:58

Tgt Ion:	188	Resp:	358212
Ion	Ratio	Lower	Upper
188	100		
94	28.7	5.5	8.3#
80	27.4	6.6	10.0#



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





#69

Atrazine

Concen: 7.451 ng

RT: 16.85 min Scan# 2342

Delta R.T. 0.03 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

Instrument :

BNA_G

ClientSampled :

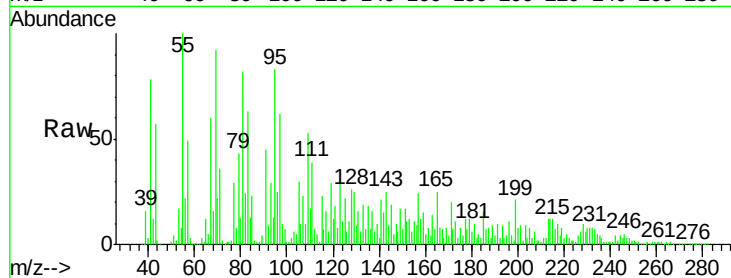
Tot Ion:200 Resp: 26396

Ion Ratio Lower Upper

200 100

173 135.5 5.5 45.5#

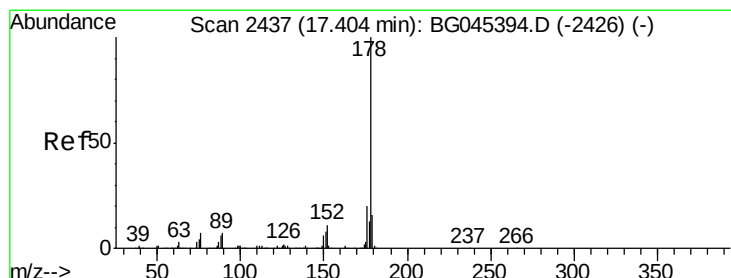
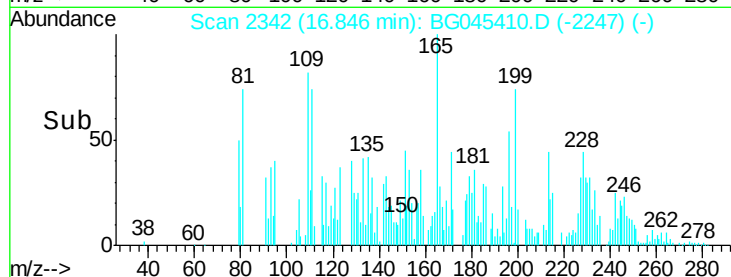
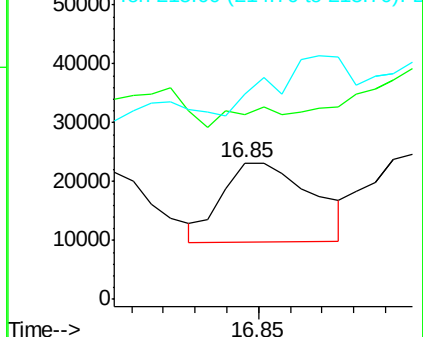
215 151.0 28.2 68.2#



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



#71

Phenanthrene

Concen: 2.667 ng

RT: 17.42 min Scan# 2440

Delta R.T. 0.02 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

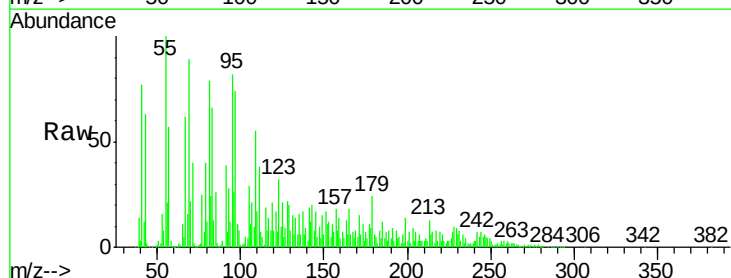
Tgt Ion:178 Resp: 41703

Ion Ratio Lower Upper

178 100

176 47.2 16.2 24.4#

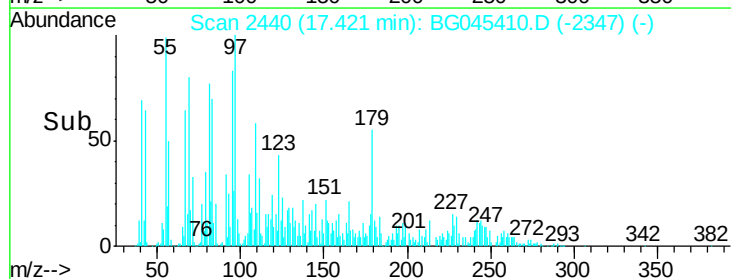
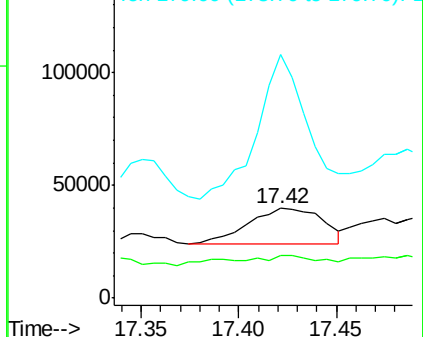
179 271.4 13.1 19.7#

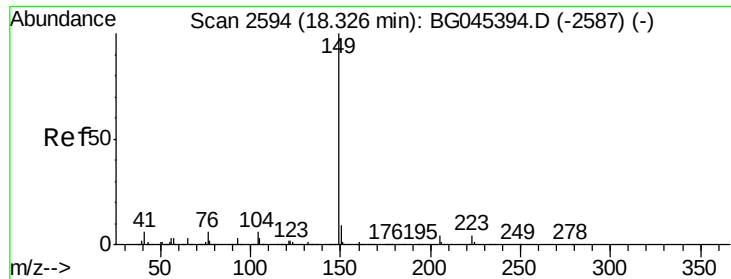


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 5.952 ng

RT: 18.37 min Scan# 2601

Delta R.T. 0.04 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

Instrument :

BNA_G

ClientSampled :

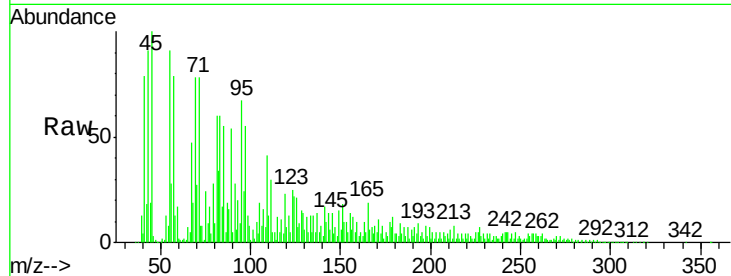
Tot Ion:149 Resp: 109365

Ion Ratio Lower Upper

149 100

150 42.8 7.6 11.4#

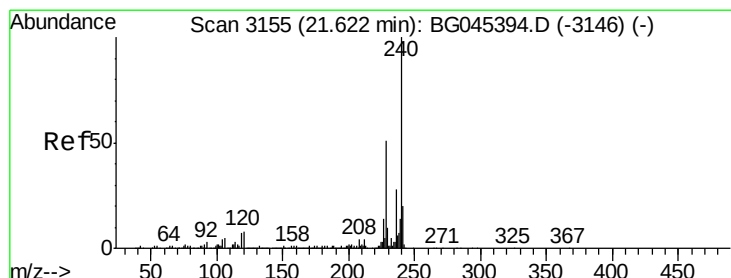
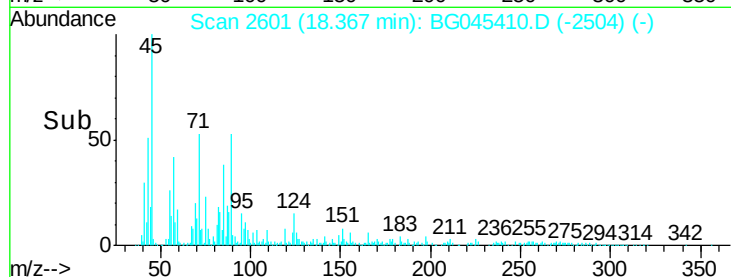
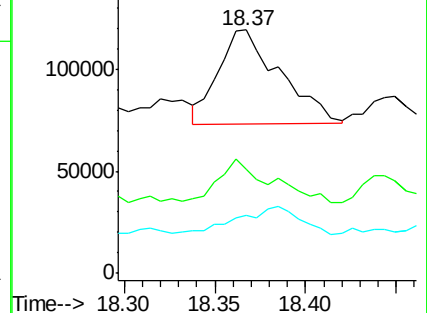
104 23.8 5.0 7.4#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. 0.02 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

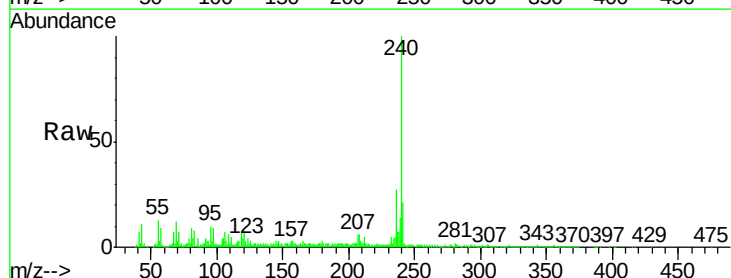
Tgt Ion:240 Resp: 360038

Ion Ratio Lower Upper

240 100

120 7.7 6.1 9.1

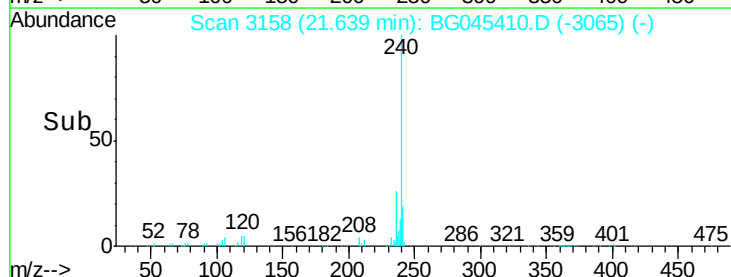
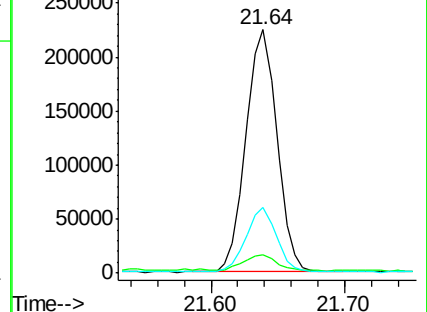
236 27.2 22.3 33.5

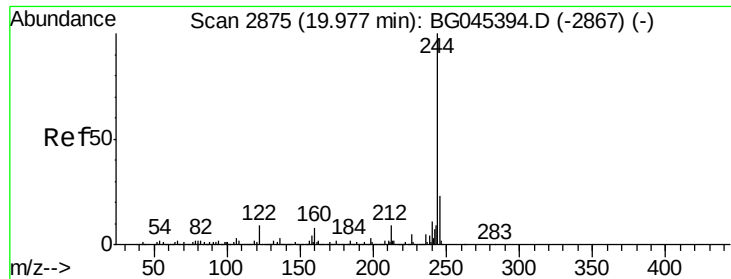


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 81.168 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.03 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

Instrument :

BNA_G

ClientSampleId :

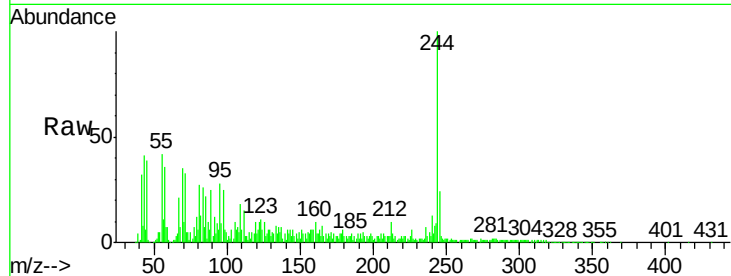
Tot Ion:244 Resp: 1253001

Ion Ratio Lower Upper

244 100

212 10.0 7.4 11.0

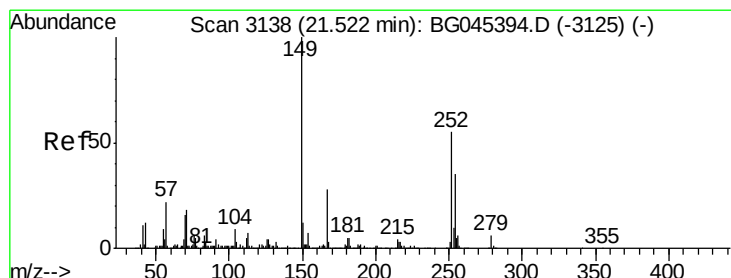
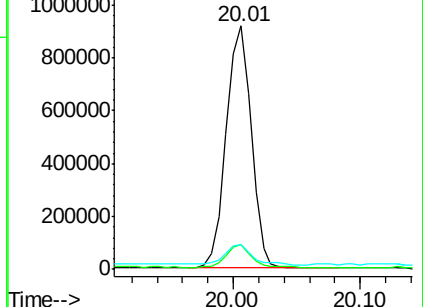
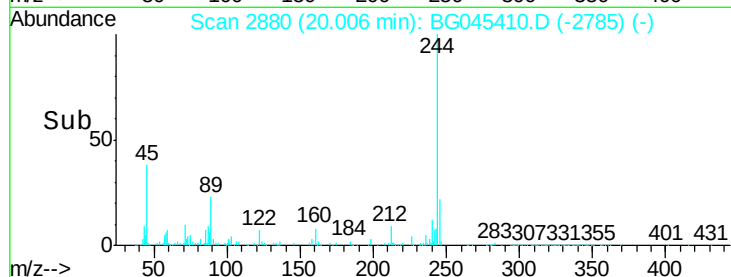
122 10.0 6.8 10.2



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 30.345 ng

RT: 21.53 min Scan# 3139

Delta R.T. 0.01 min

Lab File: BG045410.D

Acq: 15 May 2020 23:58

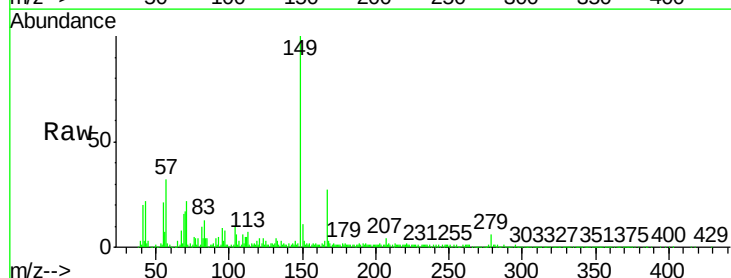
Tgt Ion:149 Resp: 369517

Ion Ratio Lower Upper

149 100

167 26.7 22.2 33.2

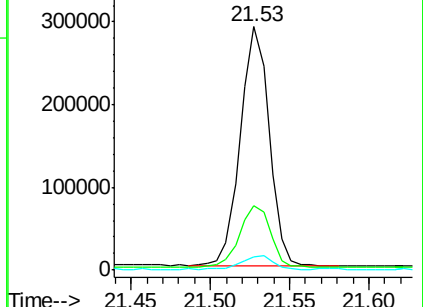
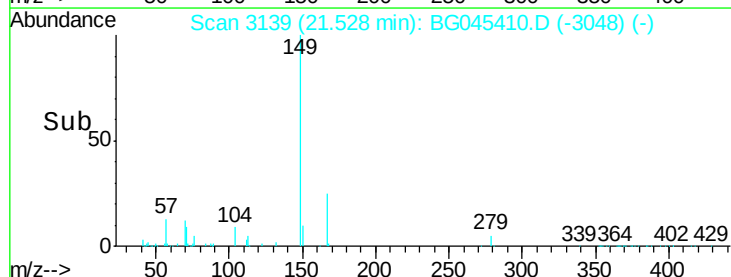
279 5.7 4.7 7.1

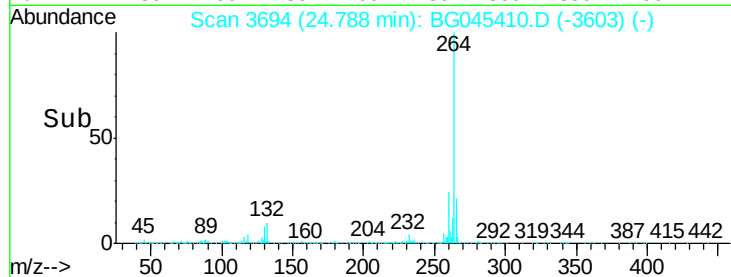
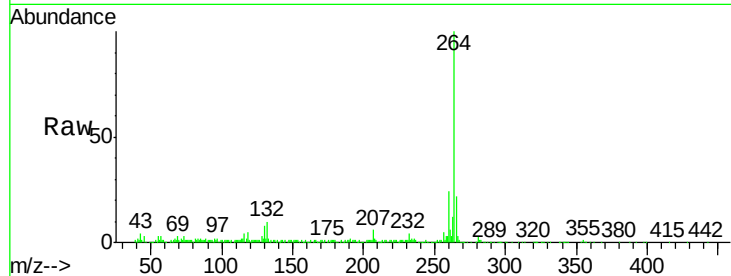
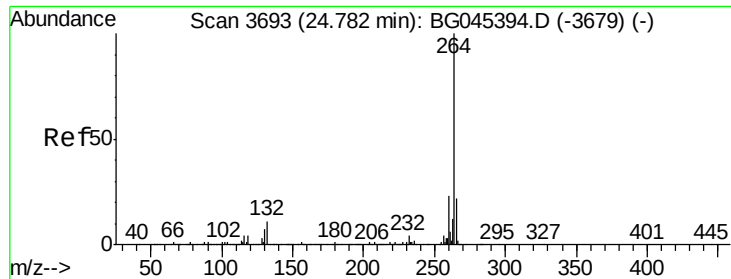


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.79 min Scan# 3694
 Delta R.T. 0.01 min
 Lab File: BG045410.D
 Acq: 15 May 2020 23:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	403483
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	21.8	17.6	26.4

