

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060320\
 Data File : BG045602.D
 Acq On : 4 Jun 2020 7:45
 Operator : CG/JU
 Sample : L2840-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 04 08:21:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	65196	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	247656	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	170506	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	399279	20.00	ng	0.00
76) Chrysene-d12	21.60	240	381113	20.00	ng	0.00
87) Perylene-d12	24.75	264	421540	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	481883	144.45	ng	0.01
7) Phenol-d6	7.16	99	603210	127.04	ng	0.01
23) Nitrobenzene-d5	9.11	82	502600	110.67	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	363423	166.66	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1104989	109.93	ng	0.00
79) Terphenyl-d14	19.96	244	1743169	106.68	ng	0.00

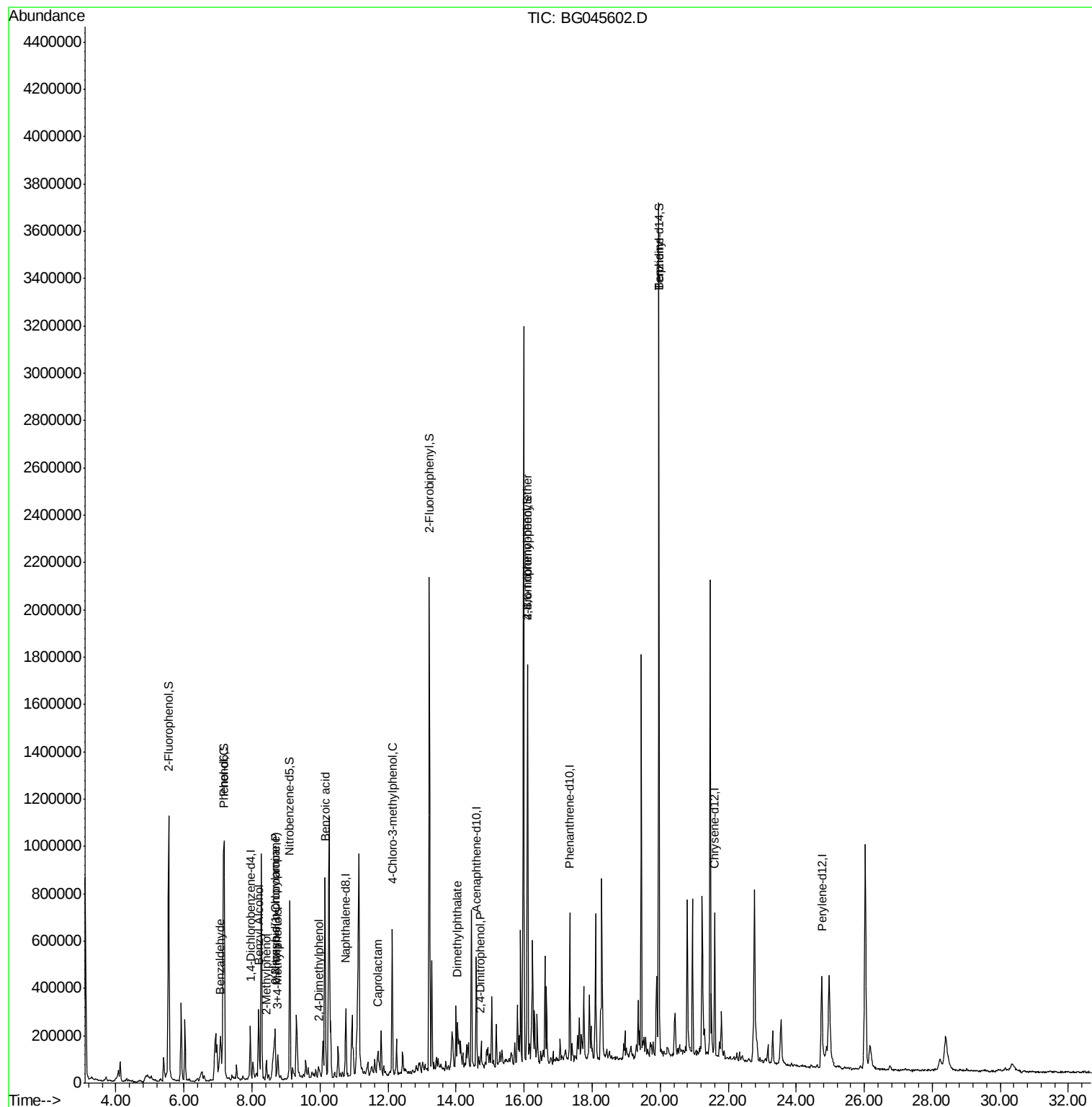
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.08	77	7873	2.545	ng	# 85
10) Phenol	7.18	94	568337	116.138	ng	97
15) Benzyl Alcohol	8.20	79	110937	28.283	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.69	45	33360	9.207	ng	# 62
17) 2-Methylphenol	8.42	107	30269	8.264	ng	93
19) n-Nitroso-di-n-propylamine	8.69	70	28698	8.740	ng	# 29
20) 3+4-Methylphenols	8.75	107	51352	10.295	ng	91
27) 2,4-Dimethylphenol	9.96	122	19058	6.173	ng	92
32) Benzoic acid	10.14	122	23487	18.873	ng	# 77
35) Caprolactam	11.70	113	19505	14.576	ng	89
36) 4-Chloro-3-methylphenol	12.12	107	162345	39.519	ng	# 20
50) Dimethylphthalate	14.04	163	122331	10.459	ng	99
54) 2,4-Dinitrophenol	14.71	184	62	5.492	ng	# 1
67) 4-Bromophenyl-phenylether	16.10	248	24316	5.624	ng	# 1
77) Benzidine	19.96	184	33161	3.098	ng	# 82

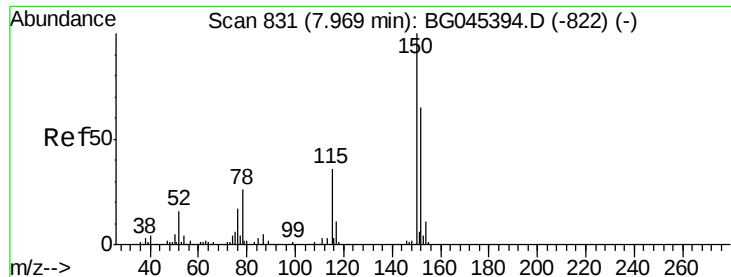
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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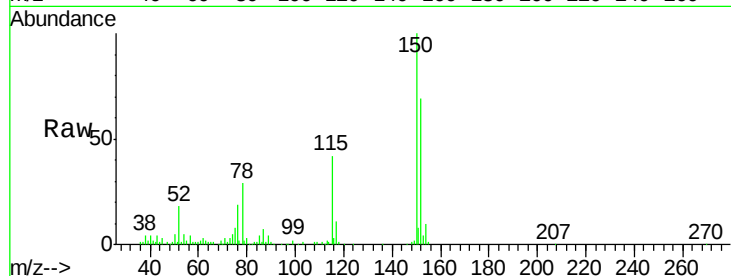


#1

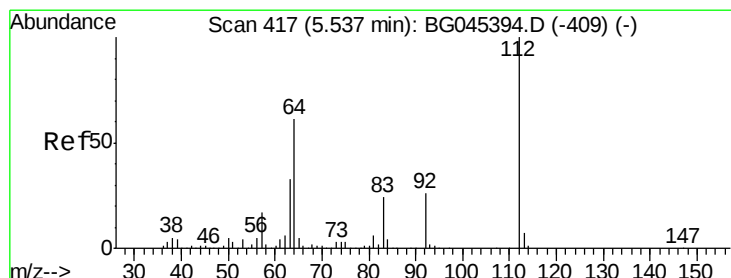
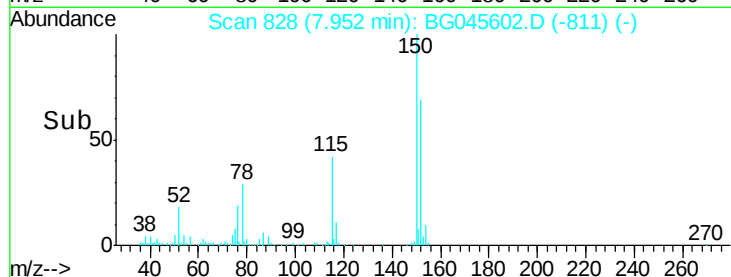
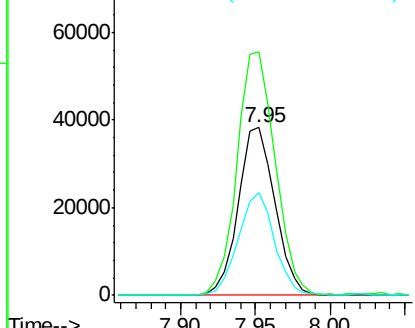
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 65196
Ion Ratio Lower Upper
152 100
150 145.1 122.4 183.6
115 61.1 44.2 66.4



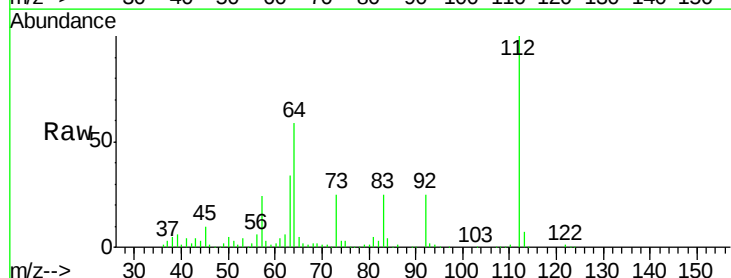
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



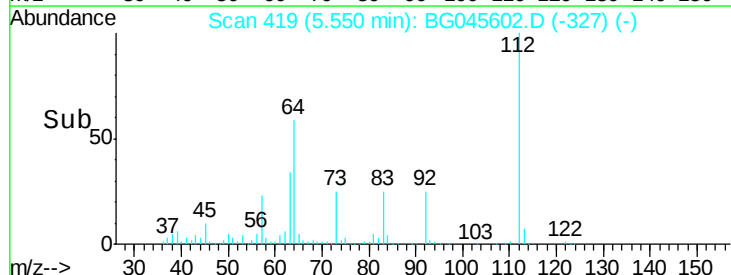
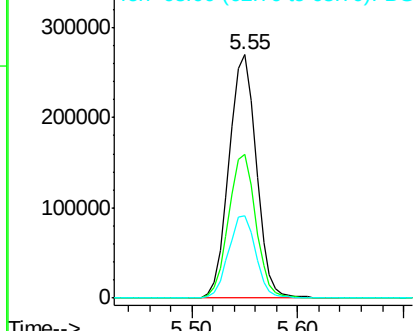
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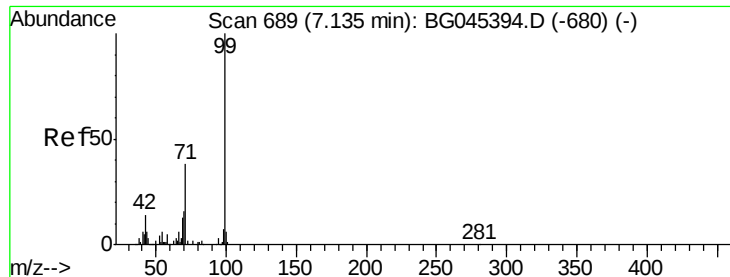
2-Fluorophenol
Concen: 144.448 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.01 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Tgt Ion:112 Resp: 481883
Ion Ratio Lower Upper
112 100
64 59.0 48.6 72.8
63 33.6 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 127.040 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Instrument :

BNA_G

ClientSampleId :

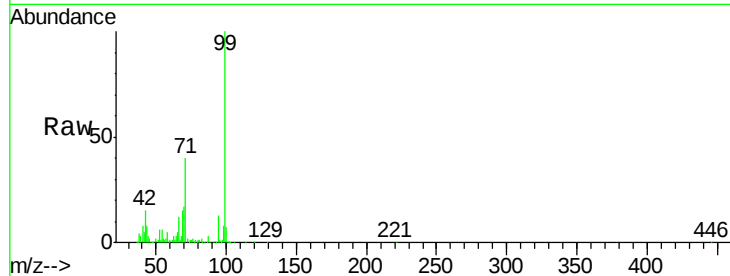
Tot Ion: 99 Resp: 603210

Ion Ratio Lower Upper

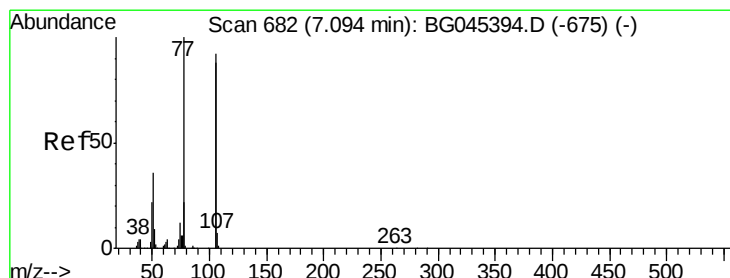
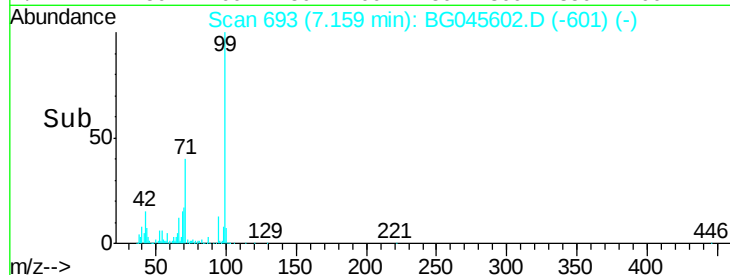
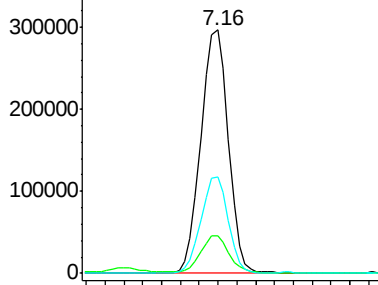
99 100

42 15.2 11.3 16.9

71 39.8 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 2.545 ng

RT: 7.08 min Scan# 680

Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

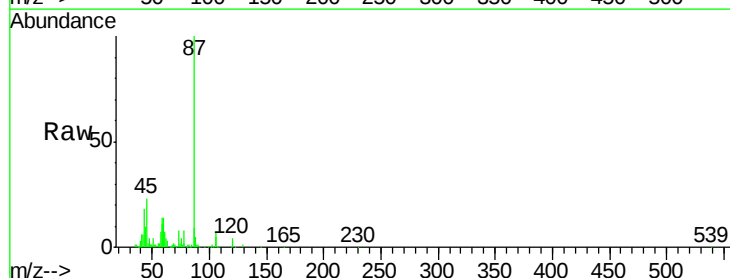
Tgt Ion: 77 Resp: 7873

Ion Ratio Lower Upper

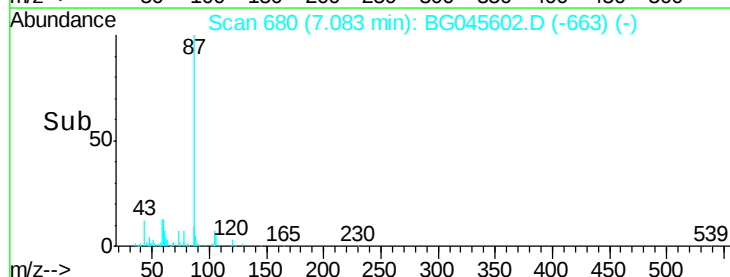
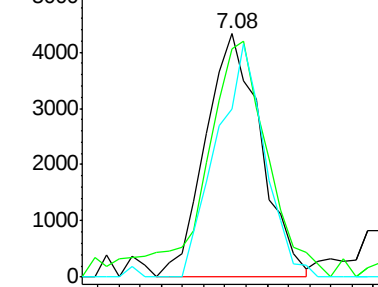
77 100

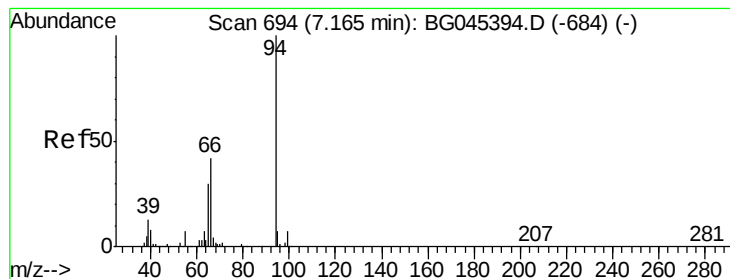
105 93.8 68.5 108.5

106 69.2 71.6 111.6#



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: 116.138 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.01 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Instrument :

BNA_G

ClientSampleId :

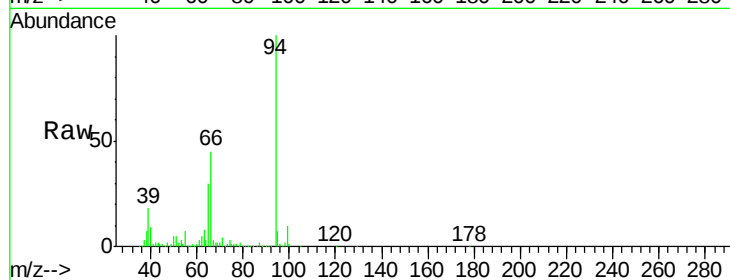
Tot Ion: 94 Resp: 568337

Ion Ratio Lower Upper

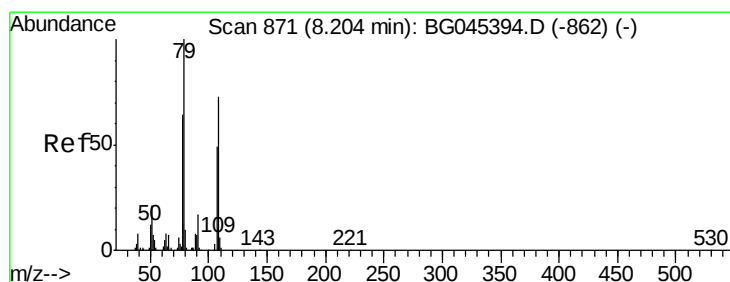
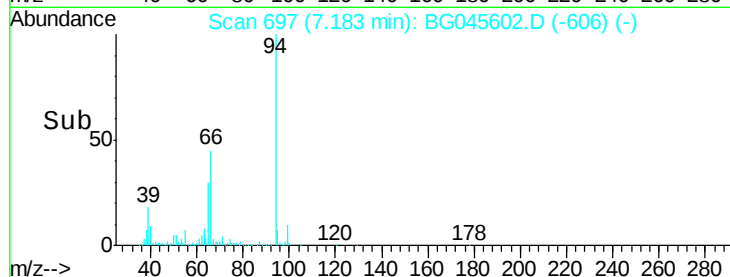
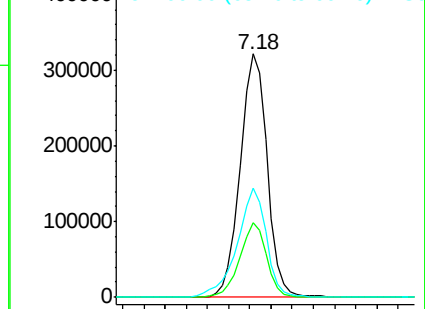
94 100

65 30.4 9.8 49.8

66 44.7 22.0 62.0



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



#15

Benzyl Alcohol

Concen: 28.283 ng

RT: 8.20 min Scan# 870

Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

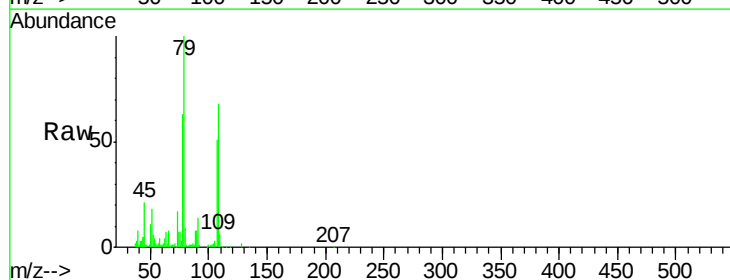
Tgt Ion: 79 Resp: 110937

Ion Ratio Lower Upper

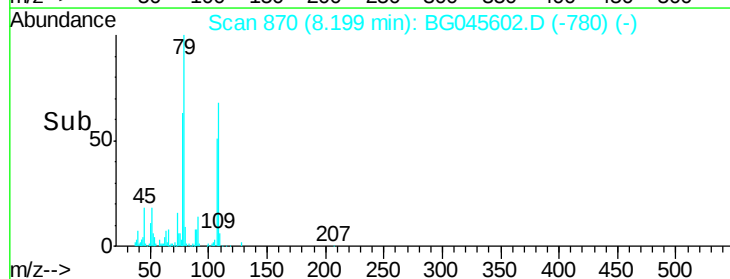
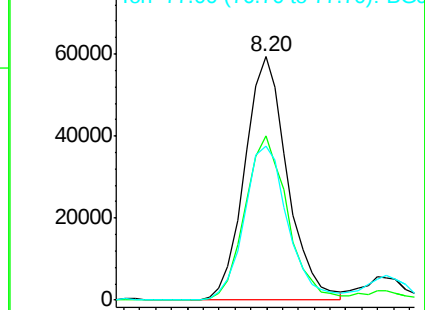
79 100

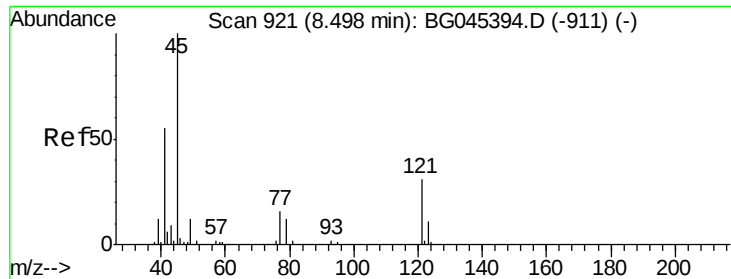
108 67.6 58.2 87.4

77 63.4 51.0 76.4



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

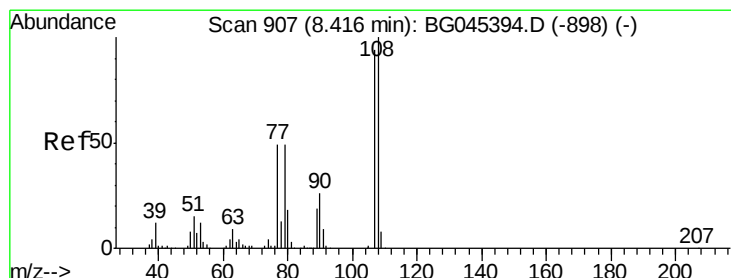
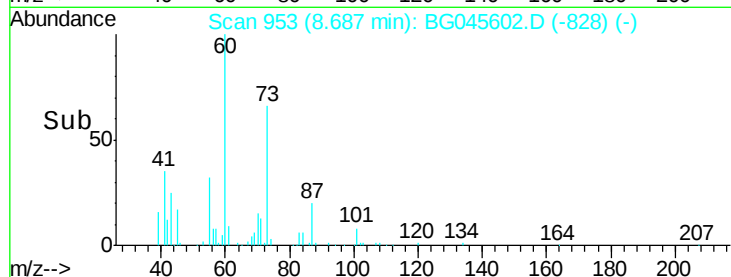
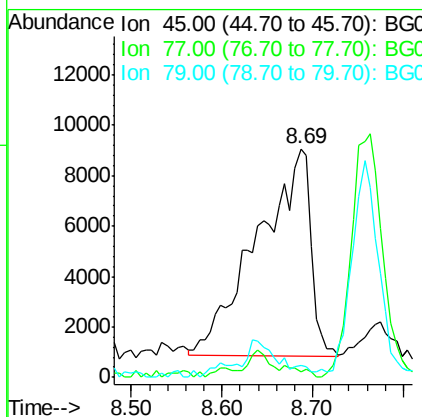
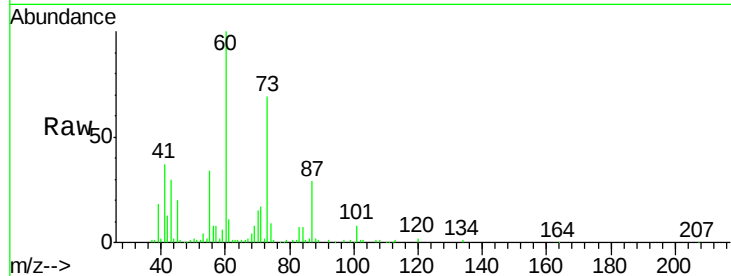




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 9.207 ng
RT: 8.69 min Scan# 953
Delta R.T. 0.21 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

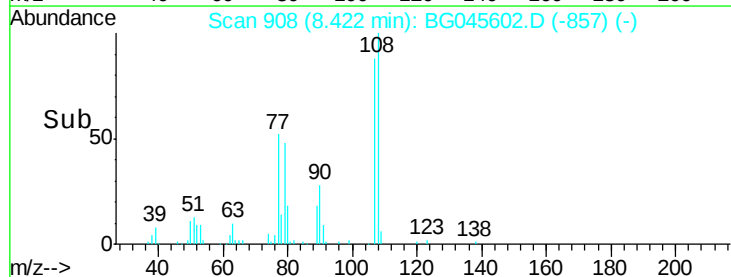
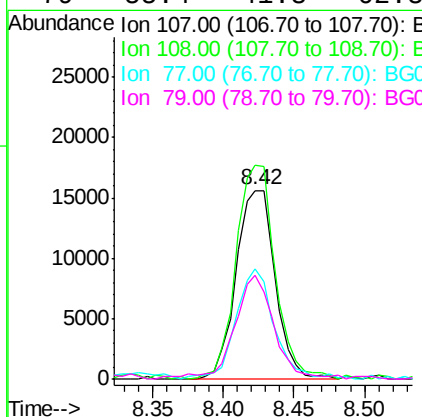
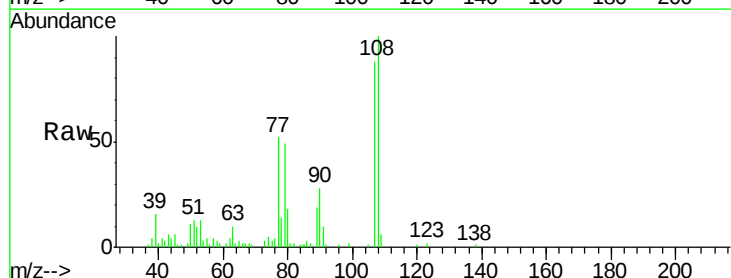
Instrument :
BNA_G
ClientSampleId :

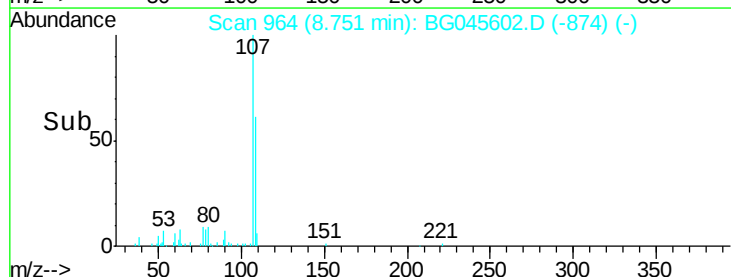
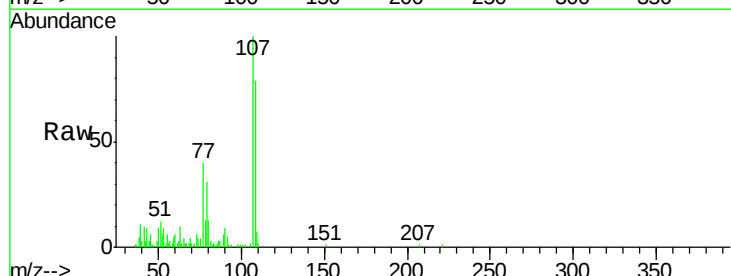
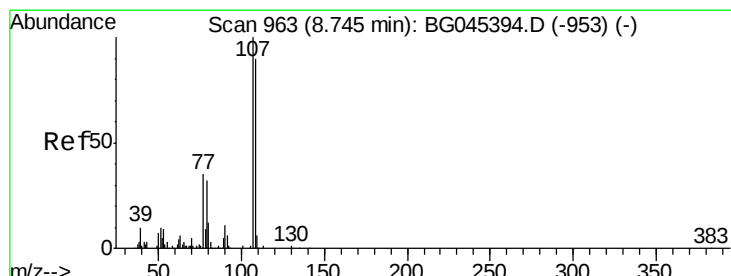
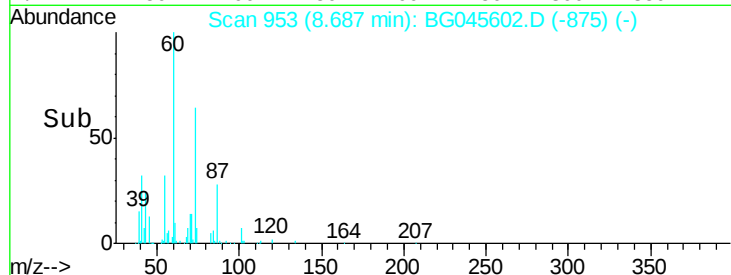
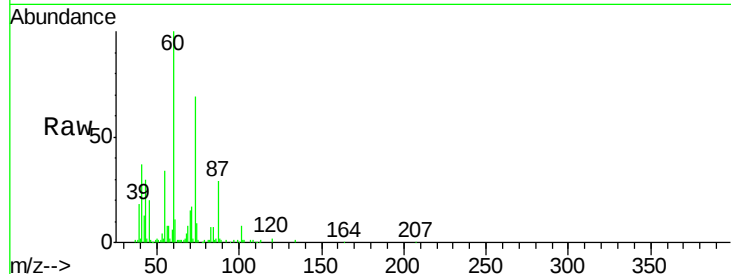
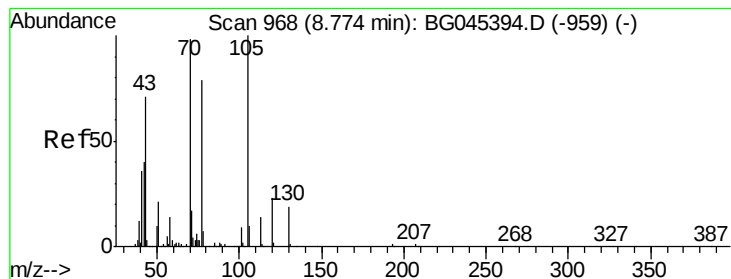
Tot Ion: 45 Resp: 33360
Ion Ratio Lower Upper
45 100
77 2.2 4.0 44.0#
79 5.2 0.0 38.6



#17
2-Methylphenol
Concen: 8.264 ng
RT: 8.42 min Scan# 908
Delta R.T. 0.00 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Tgt Ion:107 Resp: 30269
Ion Ratio Lower Upper
107 100
108 113.5 85.2 127.8
77 58.6 41.6 62.4
79 55.4 41.8 62.8





#19

n-Nitroso-di-n-propylamine

Concen: 8.740 ng

RT: 8.69 min Scan# 953

Delta R.T. -0.07 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 28698

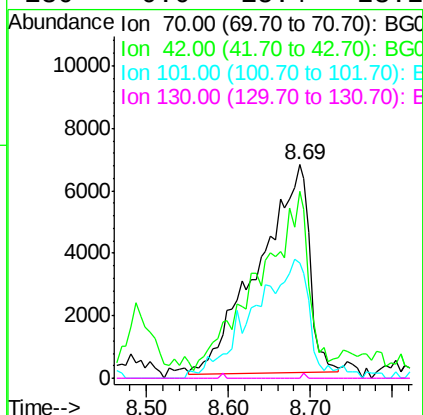
Ion Ratio Lower Upper

70 100

42 87.4 33.2 49.8#

101 54.1 7.8 11.6#

130 0.0 15.4 23.2#



#20

3+4-Methylphenols

Concen: 10.295 ng

RT: 8.75 min Scan# 964

Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Tgt Ion:107 Resp: 51352

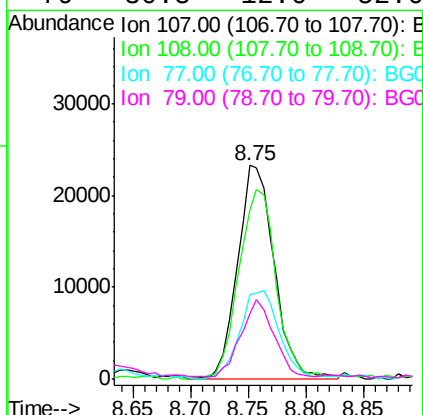
Ion Ratio Lower Upper

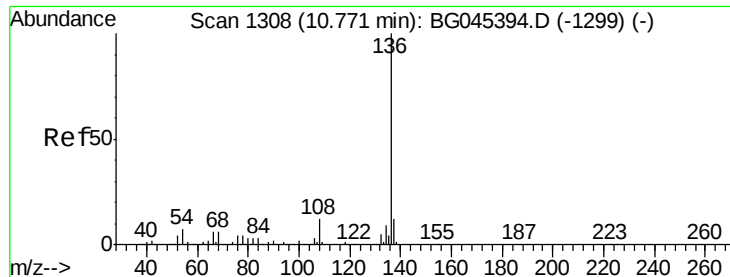
107 100

108 79.1 70.3 110.3

77 39.6 15.4 55.4

79 30.8 12.6 52.6

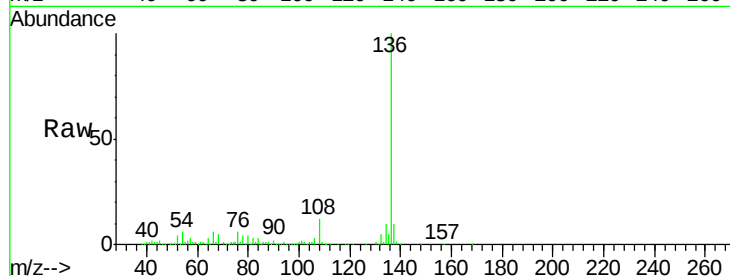




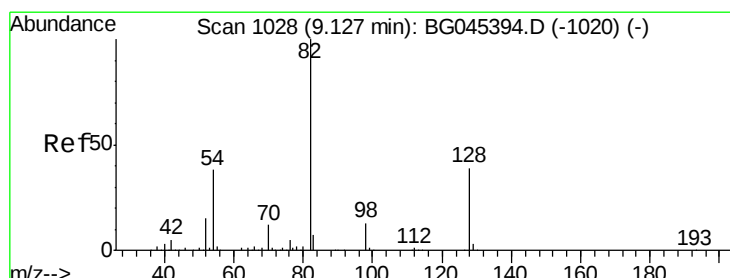
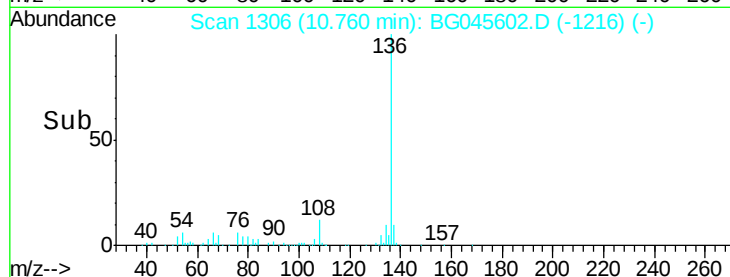
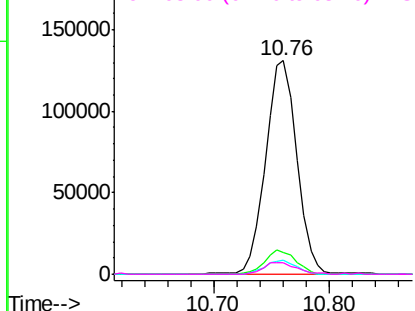
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	247656	
Ion Ratio	Lower	Upper	
136 100			
137 10.3	9.4	14.2	
54 6.3	5.8	8.6	
68 5.2	4.5	6.7	

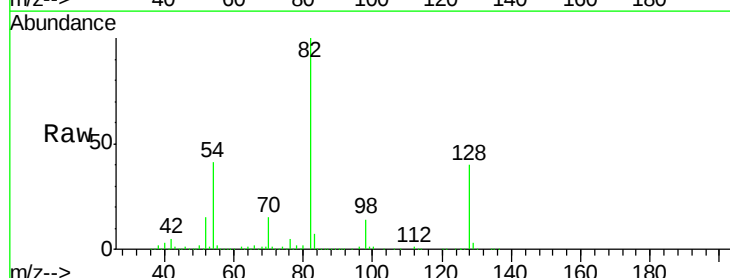


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

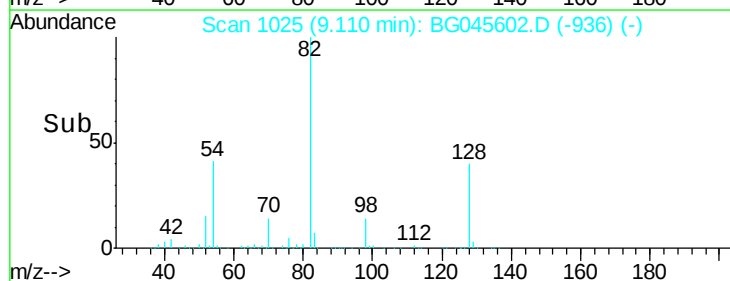
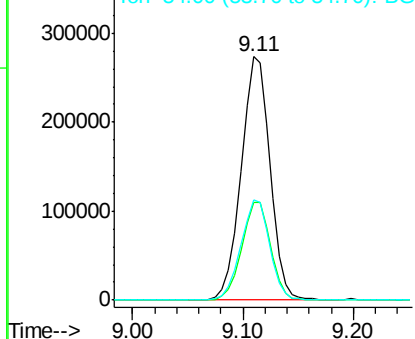


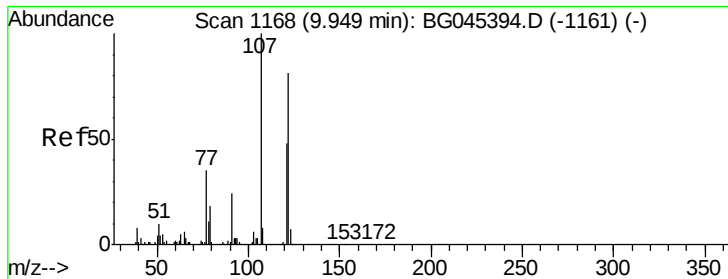
#23
Nitrobenzene-d5
Concen: 110.668 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Tgt Ion: 82	Resp: 502600
Ion Ratio	Lower Upper
82 100	
128 39.9	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

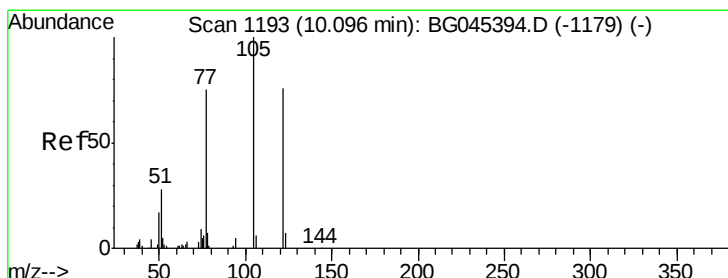
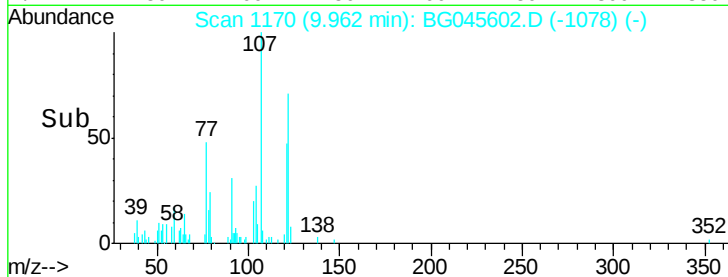
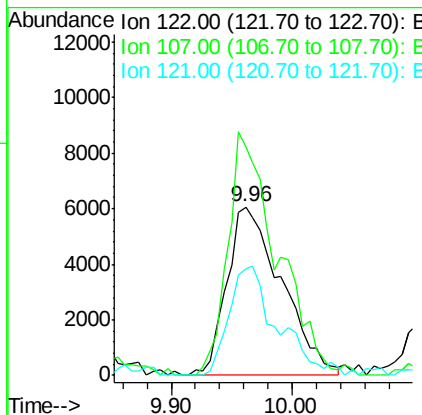
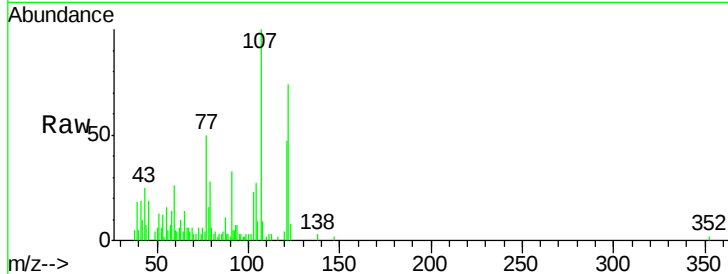




#27
2,4-Dimethylphenol
Concen: 6.173 ng
RT: 9.96 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

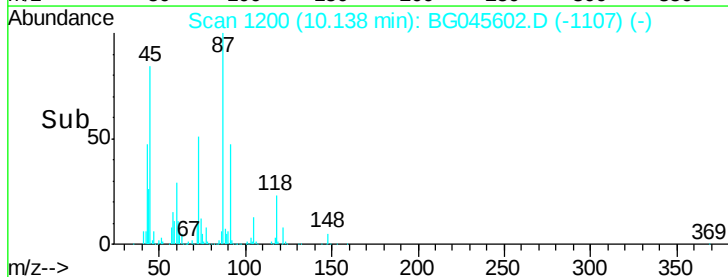
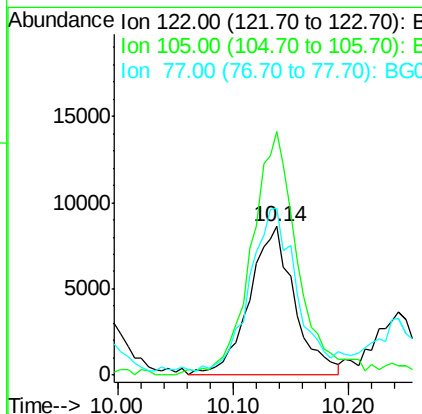
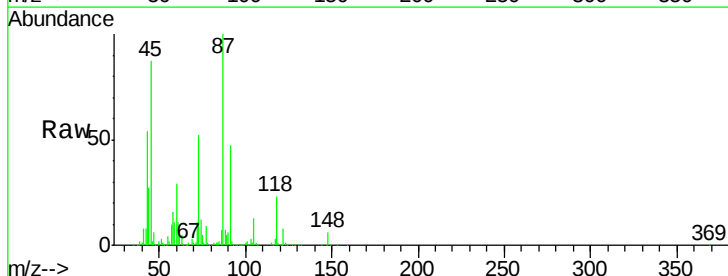
Instrument :
BNA_G
ClientSampleId :

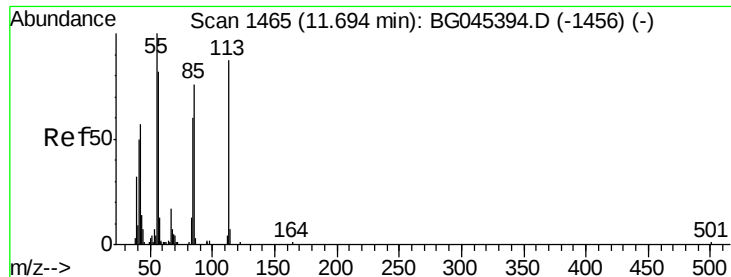
Tot Ion	Ratio	Lower	Upper
122	100		
107	135.1	99.0	148.4
121	63.2	47.7	71.5



#32
Benzoic acid
Concen: 18.873 ng
RT: 10.14 min Scan# 1200
Delta R.T. 0.02 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Tgt Ion	Ratio	Lower	Upper
122	100		
105	163.9	107.9	147.9#
77	111.9	78.9	118.9

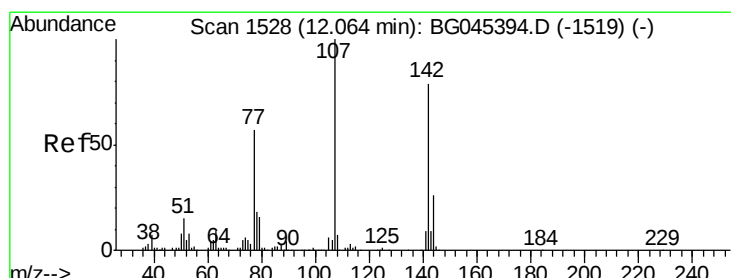
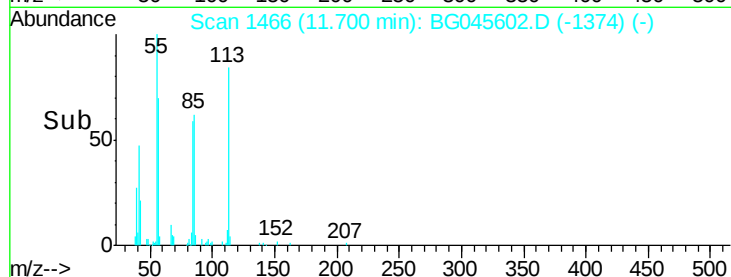
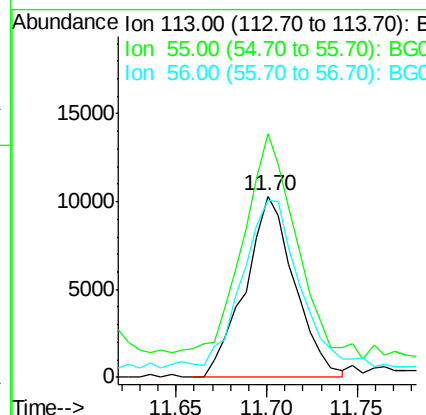
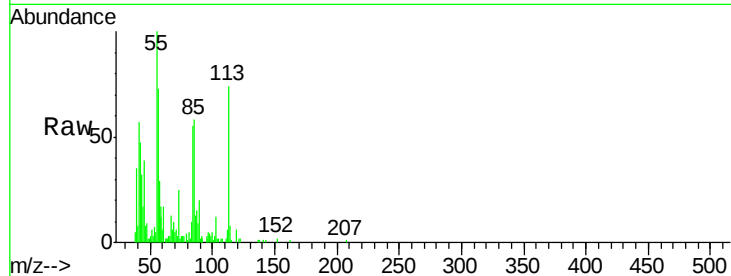




#35
 Caprolactam
 Concen: 14.576 ng
 RT: 11.70 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BG045602.D
 Acq: 4 Jun 2020 7:45

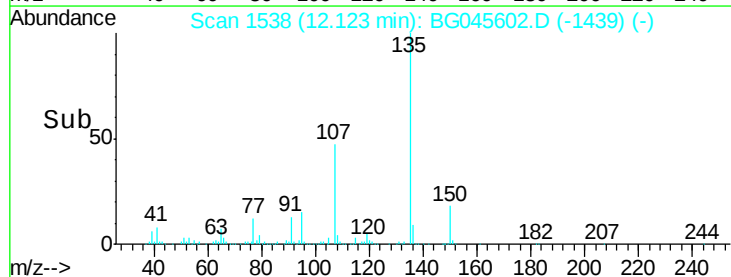
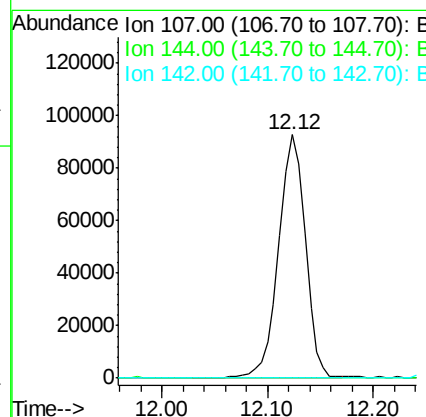
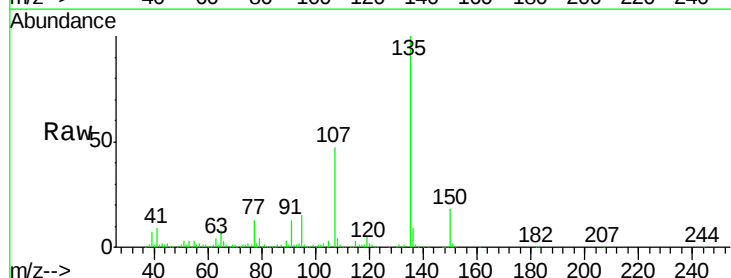
Instrument :
 BNA_G
 ClientSampleId :

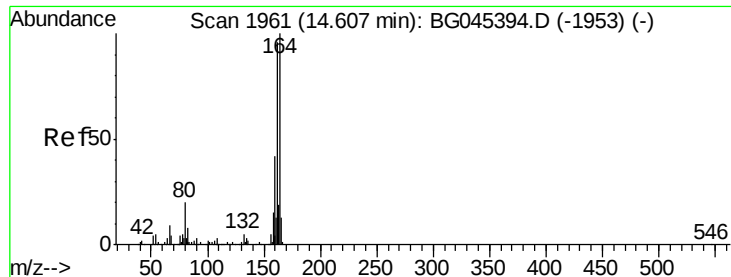
Tot Ion:113 Resp: 19505
 Ion Ratio Lower Upper
 113 100
 55 134.5 96.0 136.0
 56 97.8 75.1 115.1



#36
 4-Chloro-3-methylphenol
 Concen: 39.519 ng
 RT: 12.12 min Scan# 1538
 Delta R.T. 0.05 min
 Lab File: BG045602.D
 Acq: 4 Jun 2020 7:45

Tgt Ion:107 Resp: 162345
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.8 31.2#
 142 0.3 62.8 94.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Instrument :

BNA_G

ClientSampled :

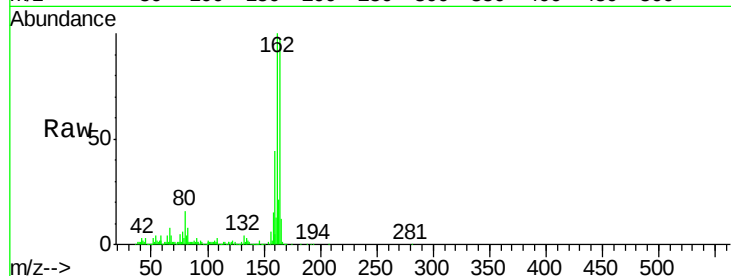
Tot Ion:164 Resp: 170506

Ion Ratio Lower Upper

164 100

162 102.9 76.9 115.3

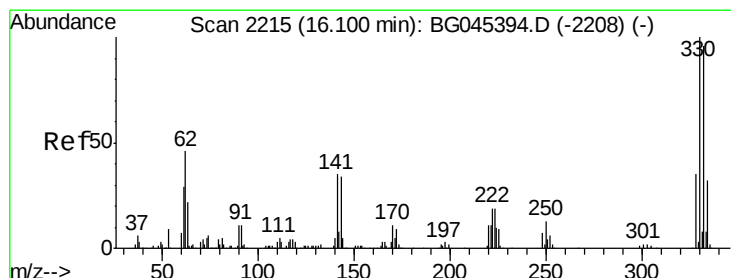
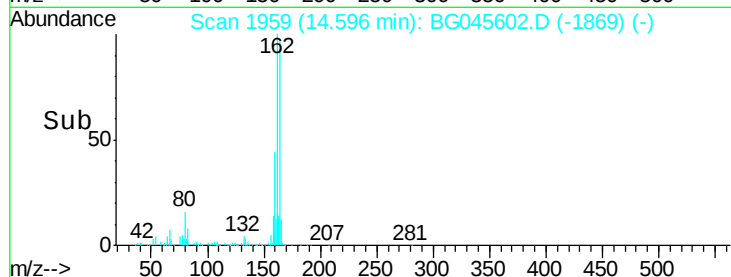
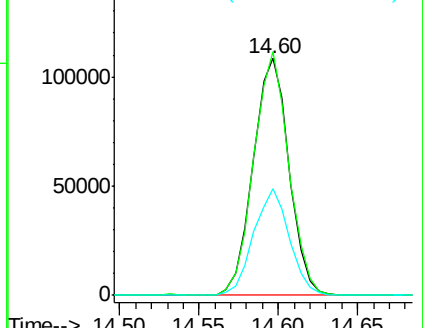
160 45.1 33.8 50.8



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: 166.664 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.01 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

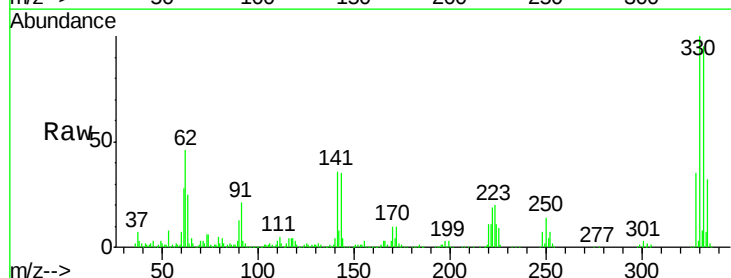
Tgt Ion:330 Resp: 363423

Ion Ratio Lower Upper

330 100

332 97.8 78.2 117.4

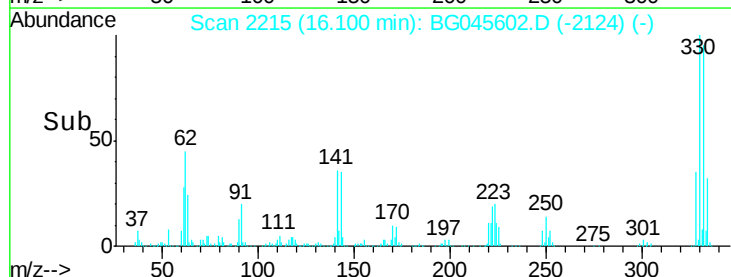
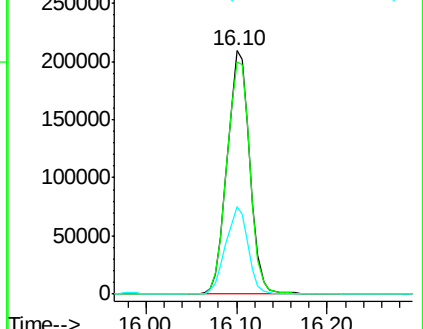
141 35.4 28.2 42.4

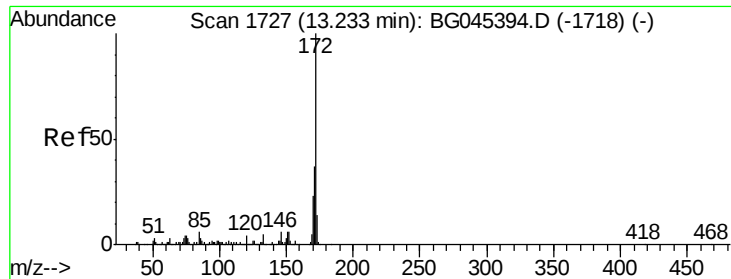


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

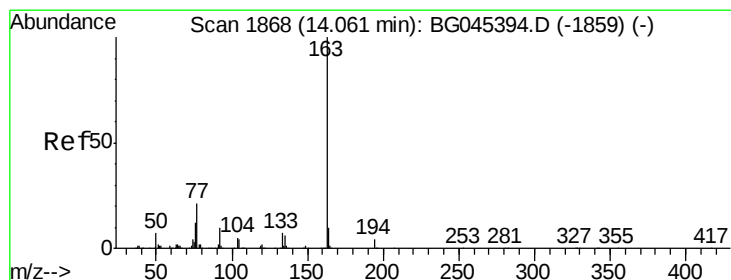
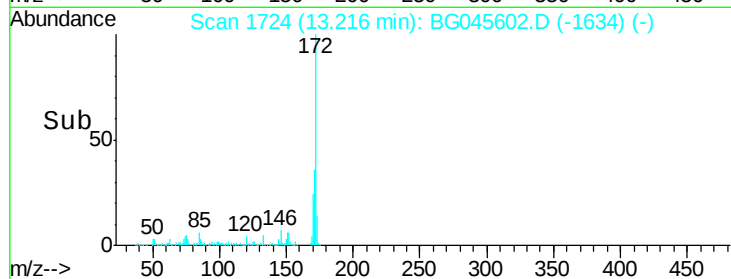
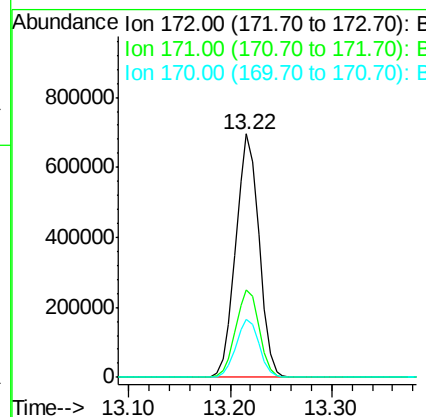
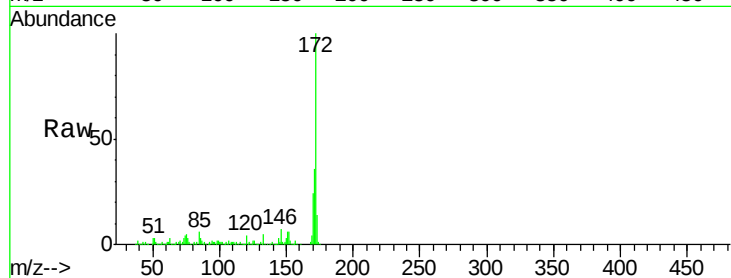




#45
2-Fluorobiphenyl
Concen: 109.925 ng
RT: 13.22 min Scan# 1724
Delta R.T. 0.00 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

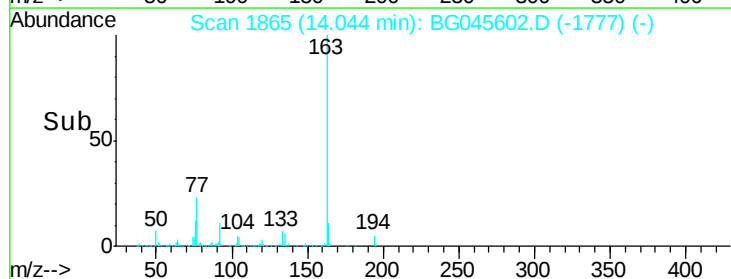
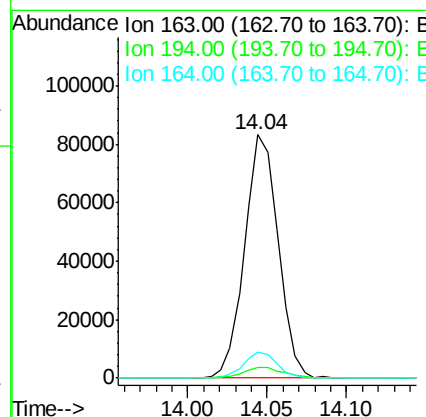
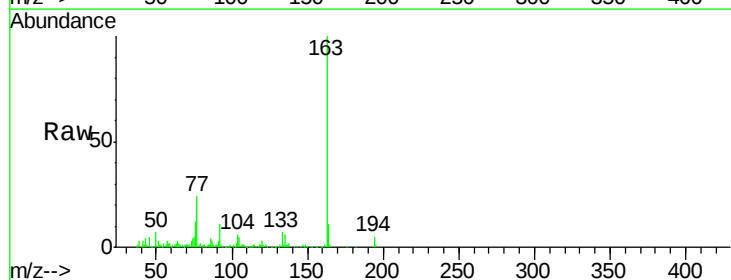
Instrument :
BNA_G
ClientSampleId :

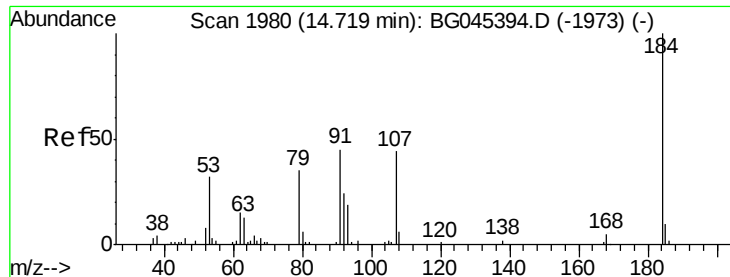
Tot Ion:172 Resp: 1104989
Ion Ratio Lower Upper
172 100
171 36.1 29.5 44.3
170 24.0 18.5 27.7



#50
Dimethylphthalate
Concen: 10.459 ng
RT: 14.04 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Tgt Ion:163 Resp: 122331
Ion Ratio Lower Upper
163 100
194 4.5 3.2 4.8
164 10.8 8.3 12.5

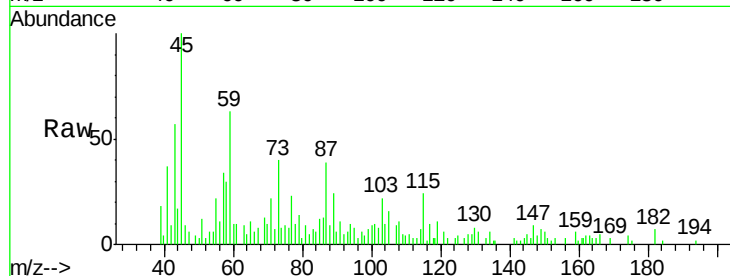




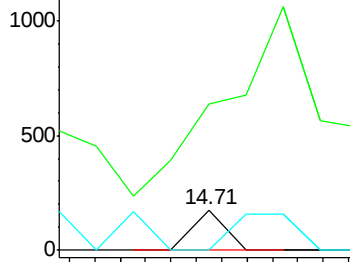
#54
 2,4-Dinitrophenol
 Concen: 5.492 ng
 RT: 14.71 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: BG045602.D
 Acq: 4 Jun 2020 7:45

Instrument :
 BNA_G
 ClientSampled :

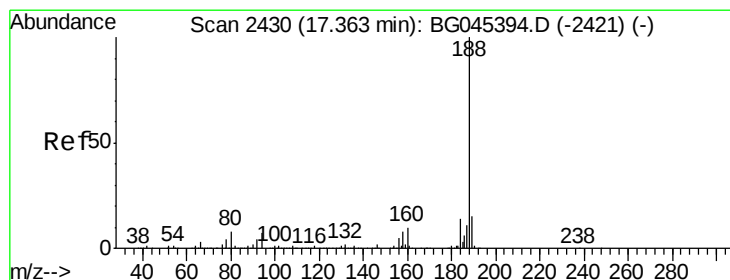
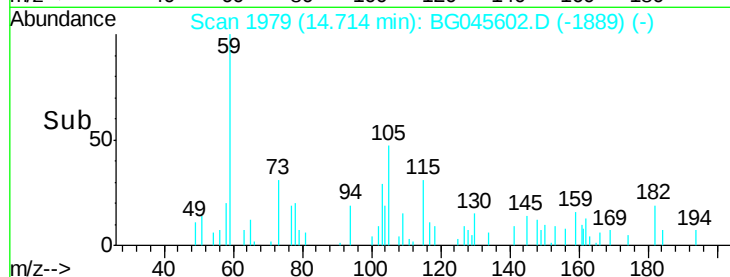
Tot Ion:184 Resp: 62
 Ion Ratio Lower Upper
 184 100
 63 361.4 47.8 71.6#
 154 0.0 58.3 87.5#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

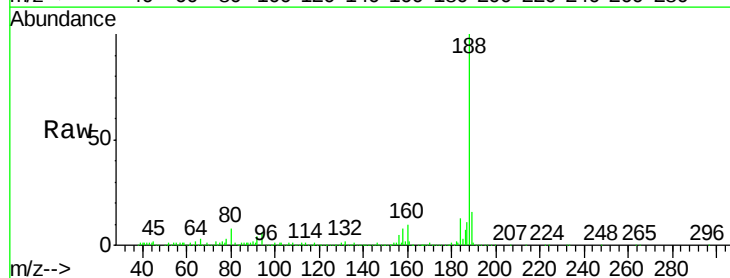


Time-->

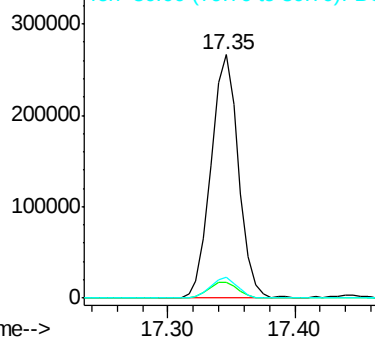


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BG045602.D
 Acq: 4 Jun 2020 7:45

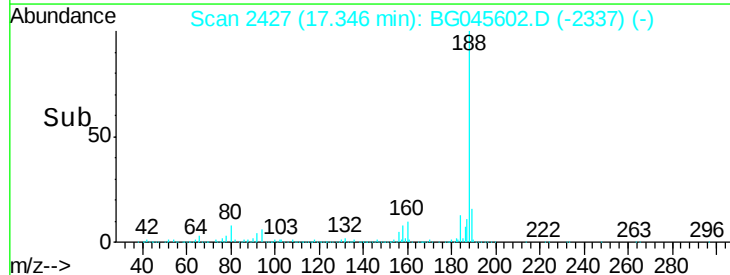
Tgt Ion:188 Resp: 399279
 Ion Ratio Lower Upper
 188 100
 94 6.4 5.5 8.3
 80 8.4 6.6 10.0

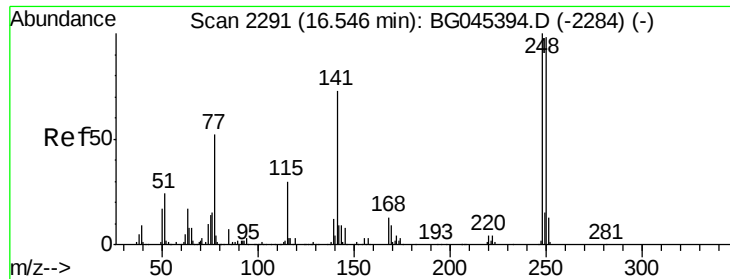


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG



Time-->

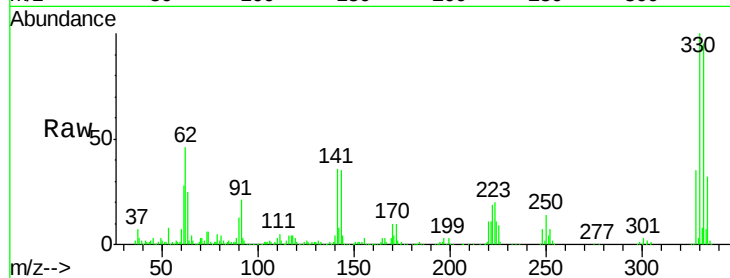




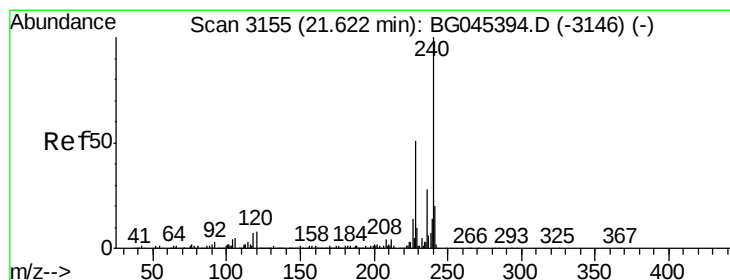
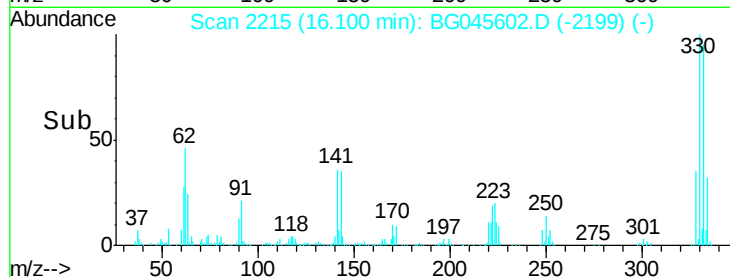
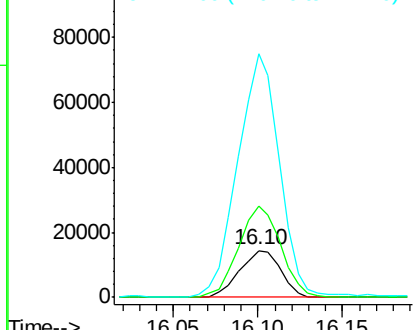
#67
4-Bromophenyl-phenylether
Concen: 5.624 ng
RT: 16.10 min Scan# 2215
Delta R.T. -0.43 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 24316
Ion Ratio Lower Upper
248 100
250 197.4 78.6 117.8#
141 523.0 58.2 87.2#

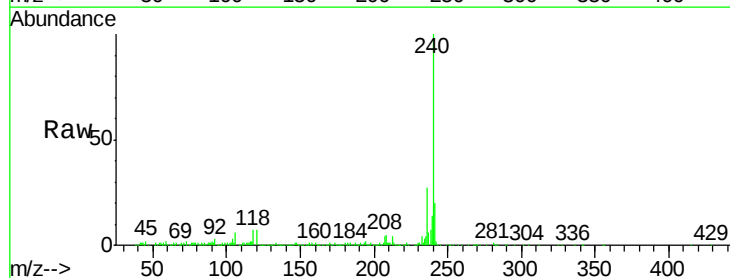


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

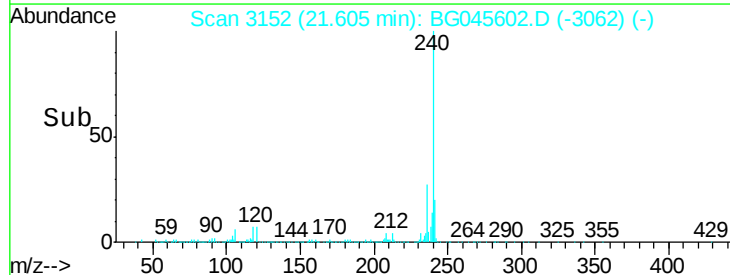
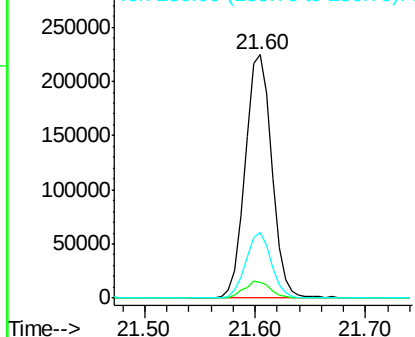


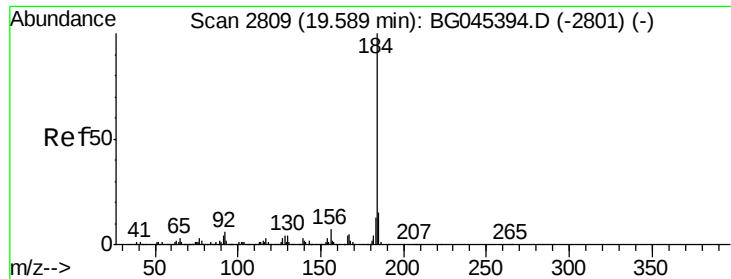
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Tgt Ion:240 Resp: 381113
Ion Ratio Lower Upper
240 100
120 6.7 6.1 9.1
236 26.7 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





#77

Benzidine

Concen: 3.098 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Instrument :

BNA_G

ClientSampleId :

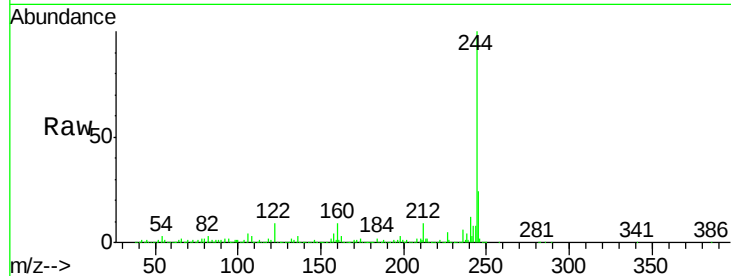
Tot Ion:184 Resp: 33161

Ion Ratio Lower Upper

184 100

185 17.0 11.7 17.5

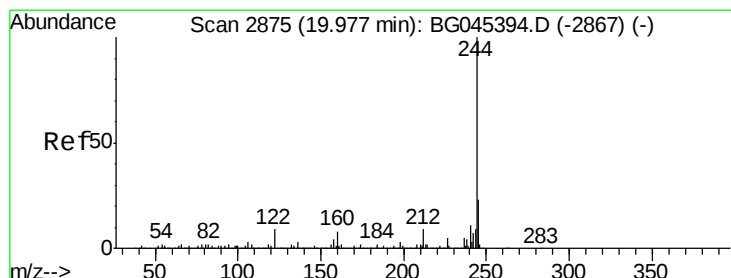
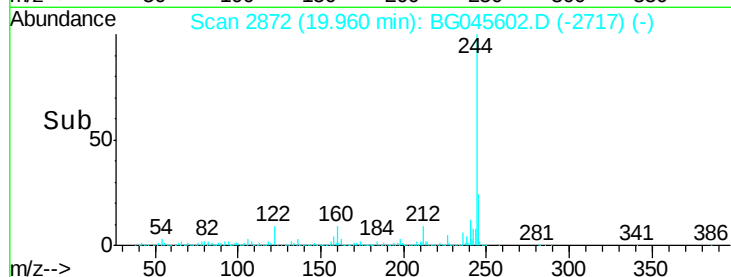
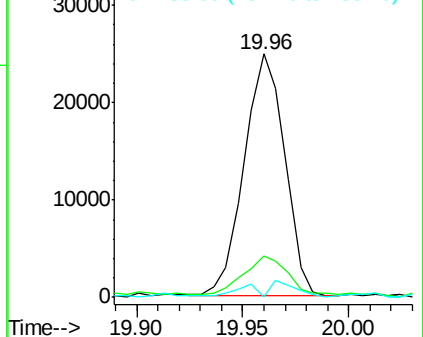
183 0.0 10.2 15.4#



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



#79

Terphenyl-d14

Concen: 106.677 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

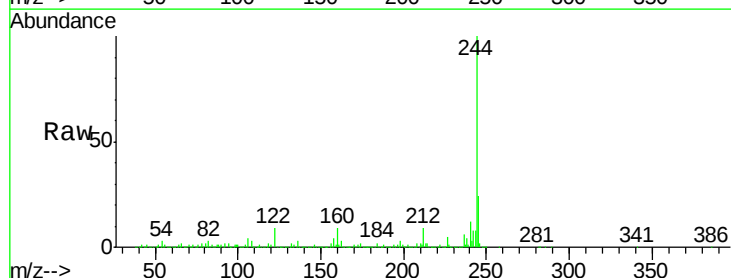
Tgt Ion:244 Resp: 1743169

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.0

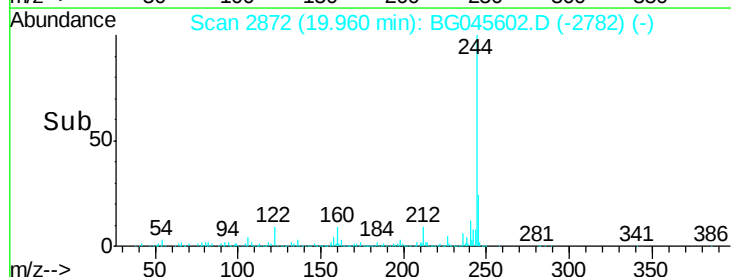
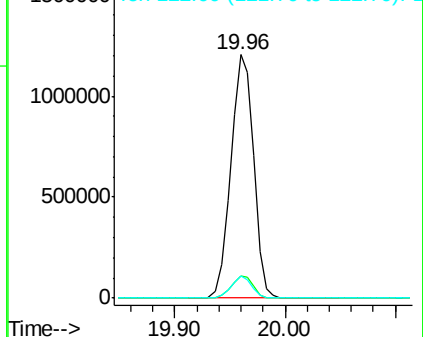
122 9.3 6.8 10.2

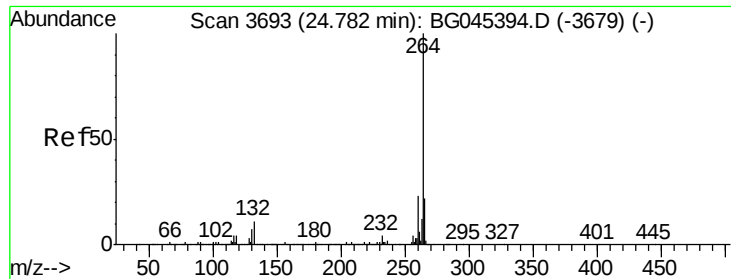


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.75 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: BG045602.D
 Acq: 4 Jun 2020 7:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	20.2	17.6	26.4

