

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052820\
 Data File : BG045515.D
 Acq On : 29 May 2020 6:27
 Operator : CG/JU
 Sample : L2757-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AP5

Quant Time: May 29 07:03:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:15:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	70895	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	285340	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	207430	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	424546	20.00	ng	0.00
76) Chrysene-d12	21.60	240	406747	20.00	ng	0.00
87) Perylene-d12	24.76	264	442109	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	486487	134.11	ng	0.00
7) Phenol-d6	7.17	99	692938	134.21	ng	0.00
23) Nitrobenzene-d5	9.12	82	630793	120.55	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	494291	186.33	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1453708	118.87	ng	0.00
79) Terphenyl-d14	19.97	244	2127988	122.02	ng	0.00

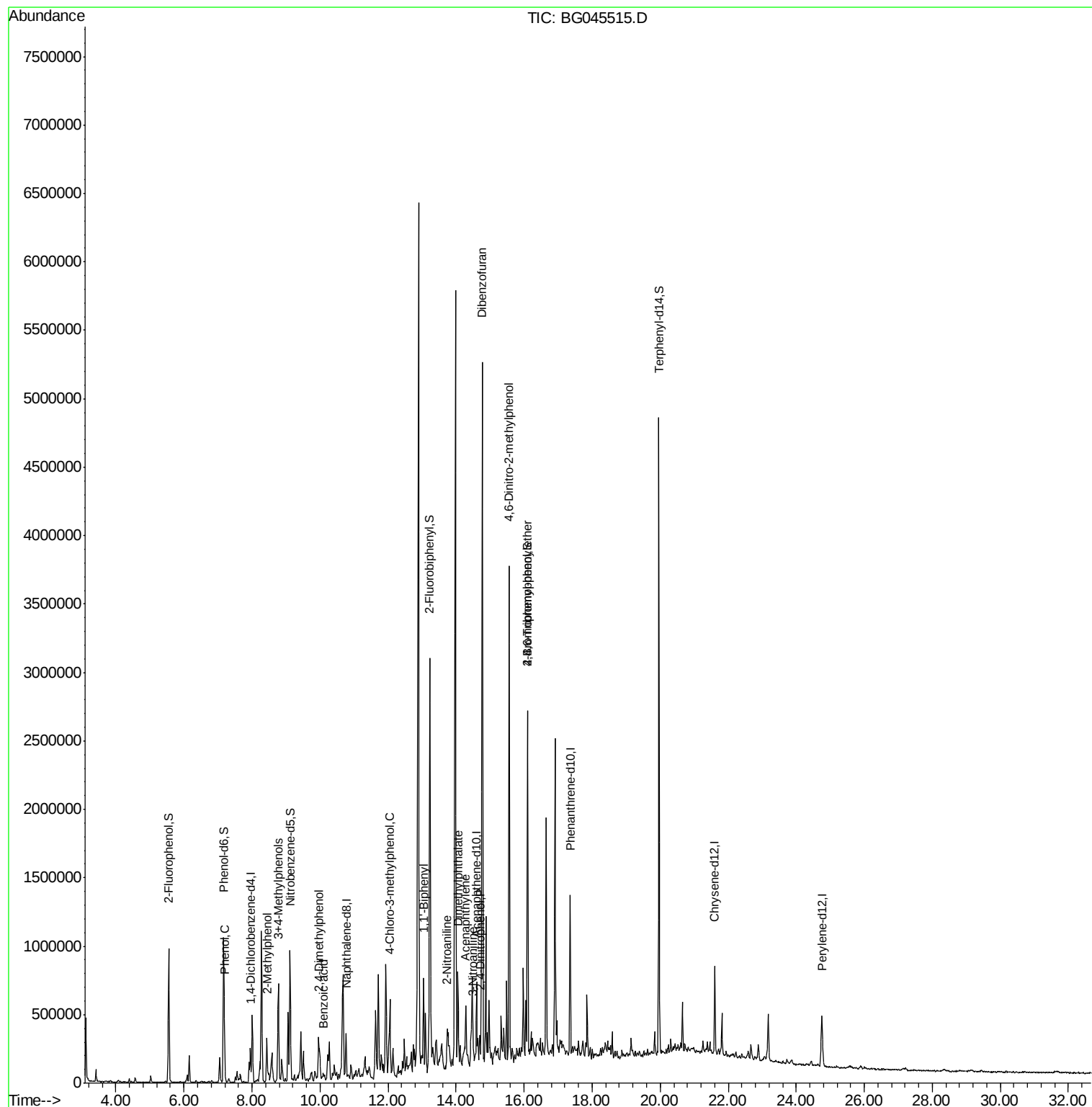
Target Compounds				Qvalue		
10) Phenol	7.19	94	146239	27.481	ng	99
17) 2-Methylphenol	8.43	107	104059	26.126	ng	97
20) 3+4-Methylphenols	8.77	107	330490	60.933	ng	92
27) 2,4-Dimethylphenol	9.96	122	90223	25.365	ng	99
32) Benzoic acid	10.10	122	20578	16.753	ng	97
36) 4-Chloro-3-methylphenol	12.05	107	38273	8.086	ng	# 20
46) 1,1'-Biphenyl	13.05	154	193526	15.184	ng	# 55
48) 2-Nitroaniline	13.73	65	40959	12.031	ng	# 40
49) Acenaphthylene	14.28	152	97612	5.872	ng	# 79
50) Dimethylphthalate	14.06	163	135650	9.533	ng	# 96
53) 3-Nitroaniline	14.50	138	19340	5.925	ng	# 8
54) 2,4-Dinitrophenol	14.69	184	2874	6.732	ng	# 1
55) Dibenzofuran	14.77	168	248197	15.019	ng	# 90
65) 4,6-Dinitro-2-methylphenol	15.56	198	8557	3.461	ng	# 1
67) 4-Bromophenyl-phenylether	16.10	248	33408	7.267	ng	# 1

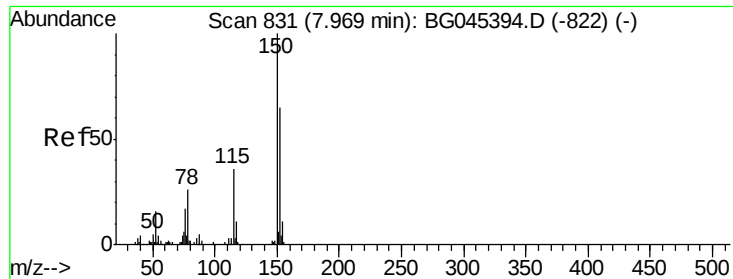
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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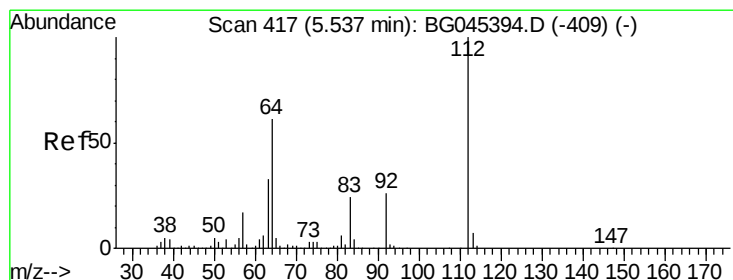
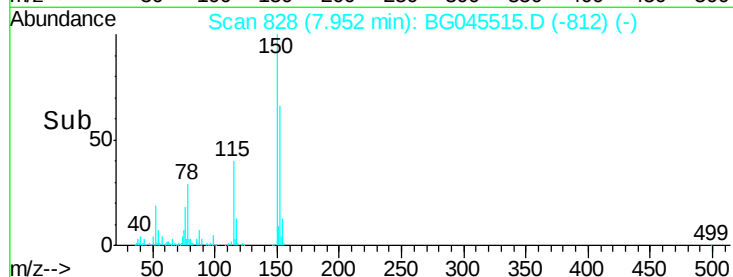
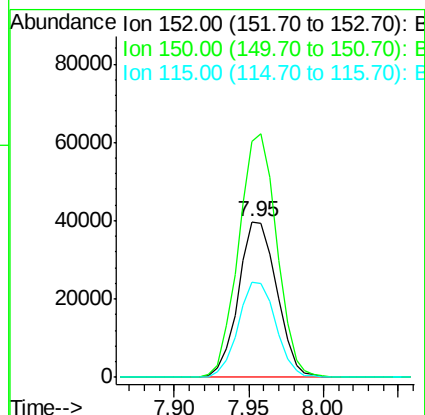
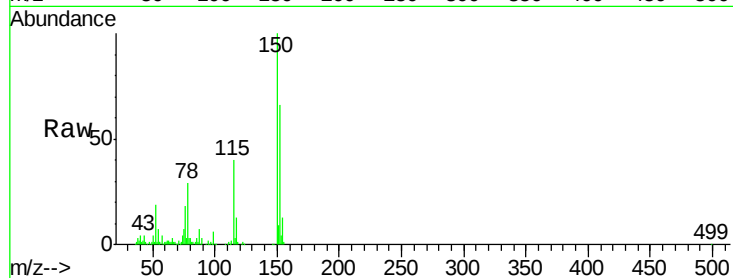


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG045515.D
Acq: 29 May 2020 6:27

Instrument :
BNA_G
ClientSampleId :
C0AP5

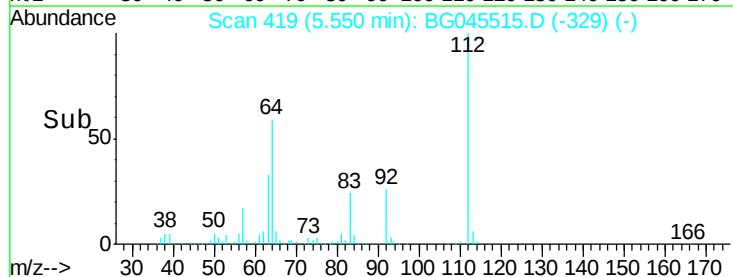
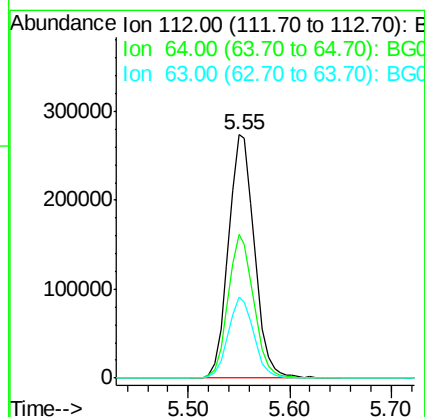
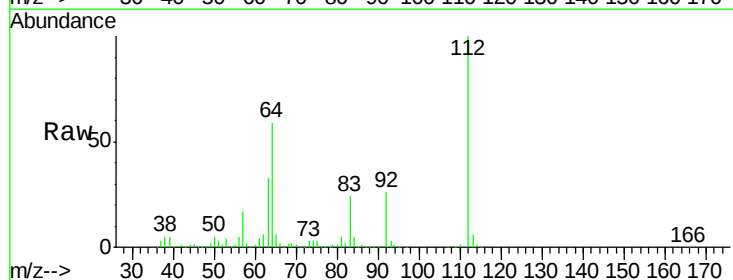
Tot Ion:152 Resp: 70895
Ion Ratio Lower Upper
152 100
150 152.3 122.4 183.6
115 61.6 44.2 66.4

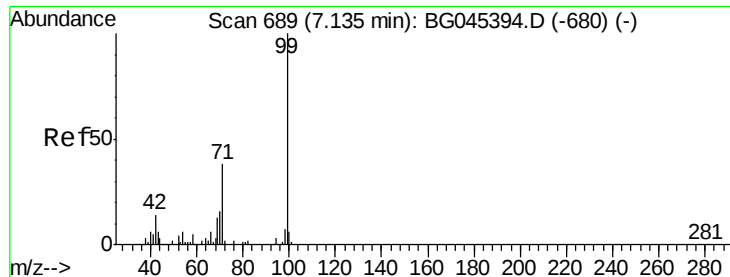


#5

2-Fluorophenol
Concen: 134.105 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.00 min
Lab File: BG045515.D
Acq: 29 May 2020 6:27

Tgt Ion:112 Resp: 486487
Ion Ratio Lower Upper
112 100
64 58.9 48.6 72.8
63 33.4 26.5 39.7





#7

Phenol-d6

Concen: 134.206 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Instrument :

BNA_G

ClientSampleId :

C0AP5

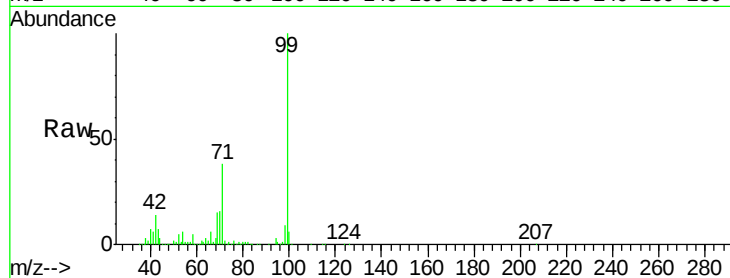
Tot Ion: 99 Resp: 692938

Ion Ratio Lower Upper

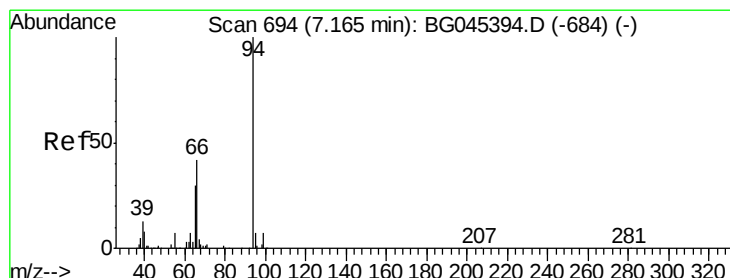
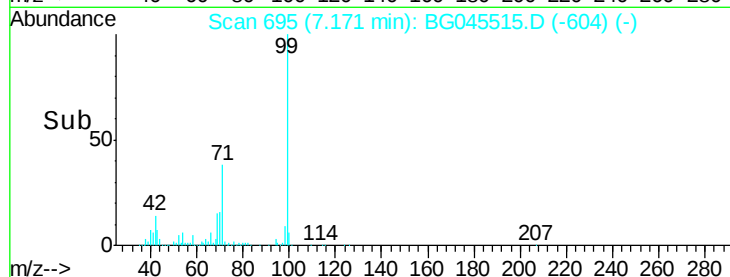
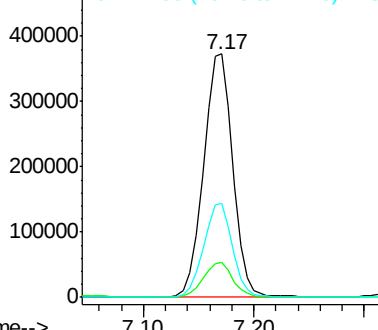
99 100

42 14.1 11.3 16.9

71 38.3 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



#10

Phenol

Concen: 27.481 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

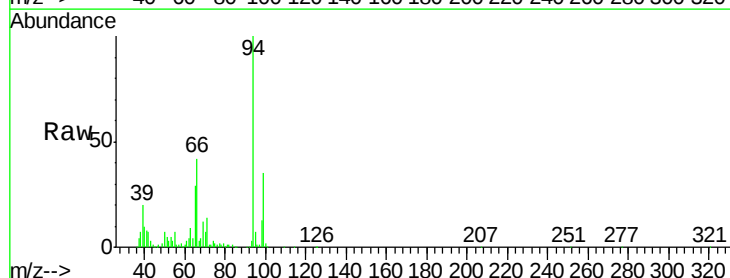
Tgt Ion: 94 Resp: 146239

Ion Ratio Lower Upper

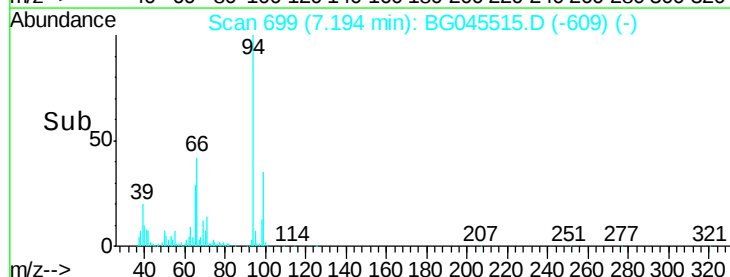
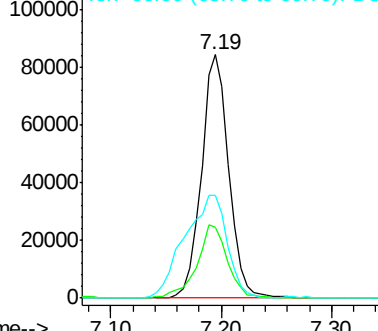
94 100

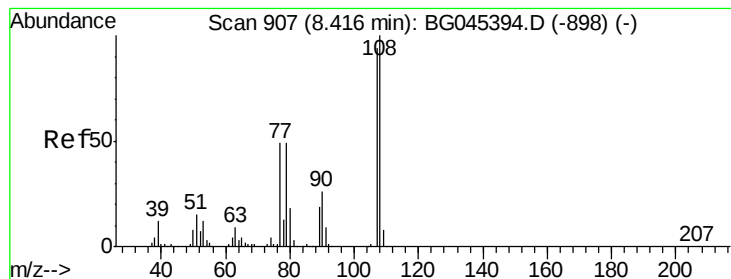
65 28.9 9.8 49.8

66 42.5 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





#17

2-Methylphenol

Concen: 26.126 ng

RT: 8.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Instrument :

BNA_G

ClientSampleId :

C0AP5

Tot Ion:107 Resp: 104059

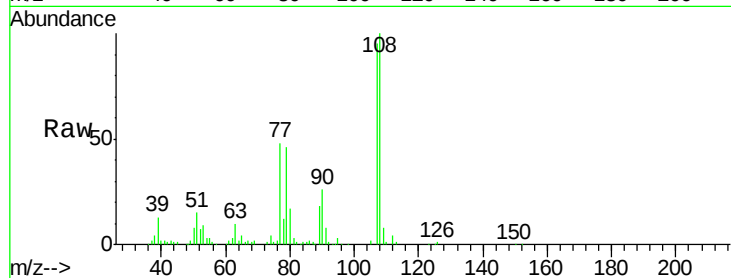
Ion Ratio Lower Upper

107 100

108 105.2 85.2 127.8

77 50.3 41.6 62.4

79 48.5 41.8 62.8

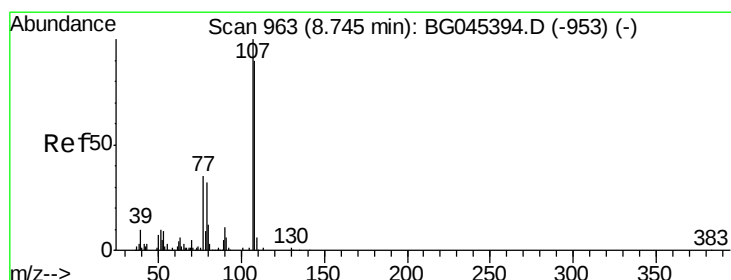
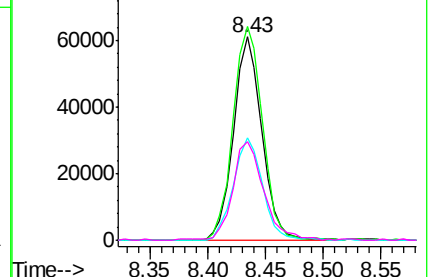
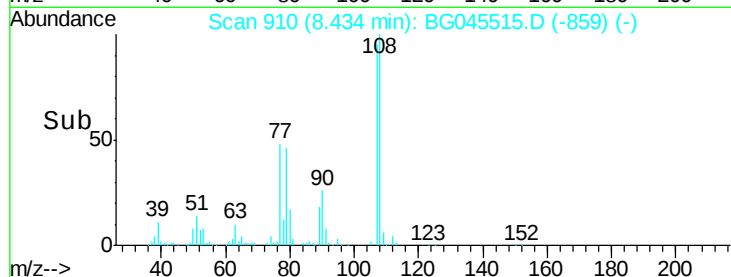


Abundance Ion 107.00 (106.70 to 107.70): E

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: 60.933 ng

RT: 8.77 min Scan# 968

Delta R.T. 0.01 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Tgt Ion:107 Resp: 330490

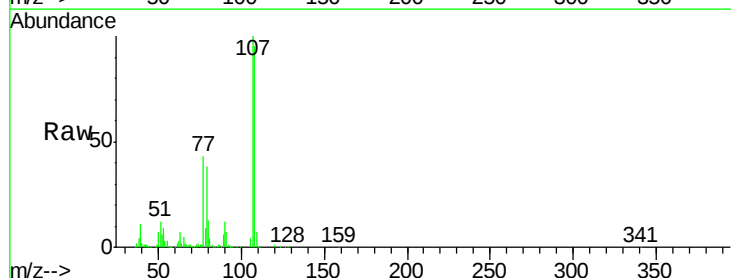
Ion Ratio Lower Upper

107 100

108 95.4 70.3 110.3

77 42.8 15.4 55.4

79 37.6 12.6 52.6

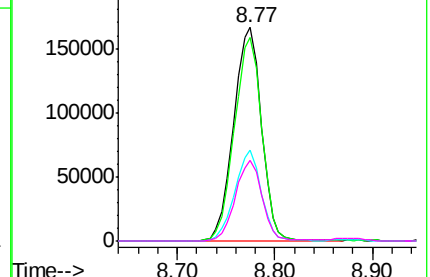
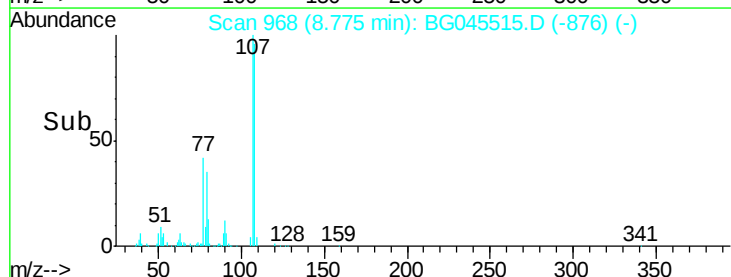


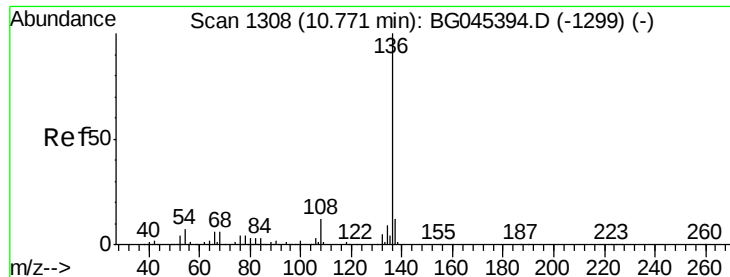
Abundance Ion 107.00 (106.70 to 107.70): E

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: 10.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Instrument :

BNA_G

ClientSampleId :

C0AP5

Tot Ion:136 Resp: 285340

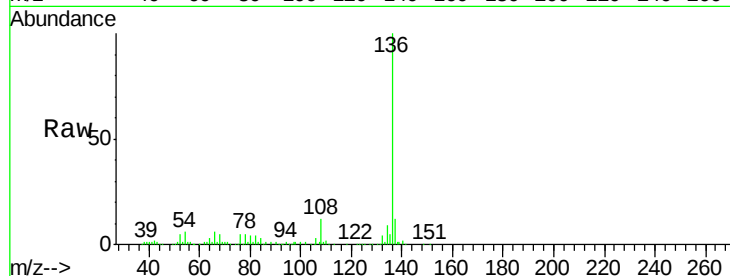
Ion Ratio Lower Upper

136 100

137 12.2 9.4 14.2

54 5.9 5.8 8.6

68 5.4 4.5 6.7

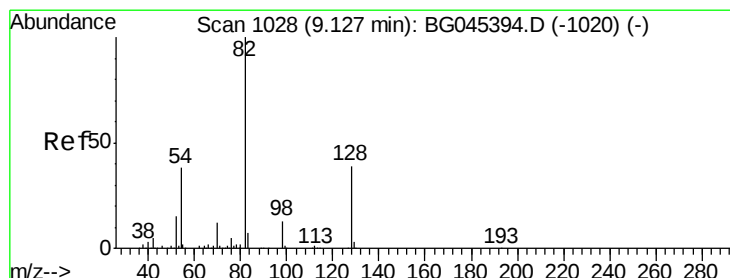
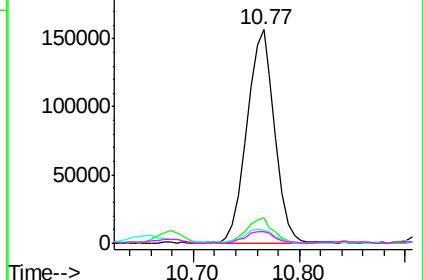
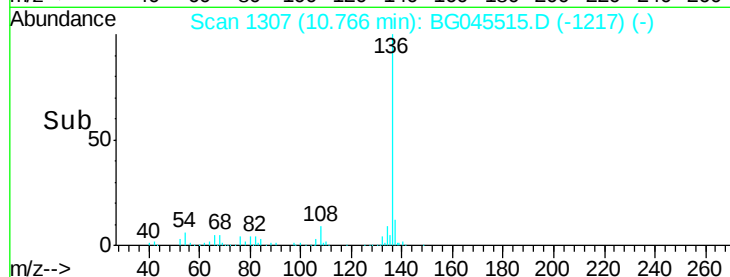


Abundance Ion 136.00 (135.70 to 136.70): E

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: 120.551 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

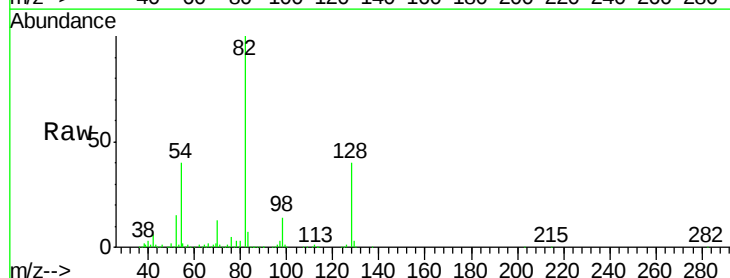
Tgt Ion: 82 Resp: 630793

Ion Ratio Lower Upper

82 100

128 39.6 30.9 46.3

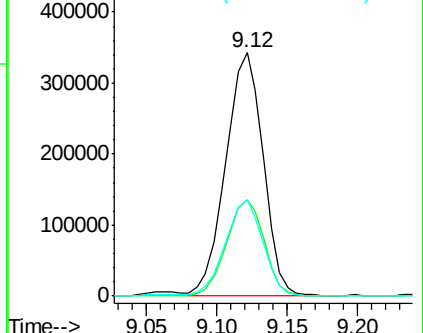
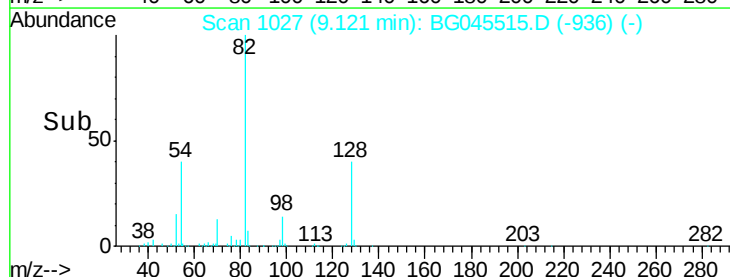
54 39.8 30.3 45.5

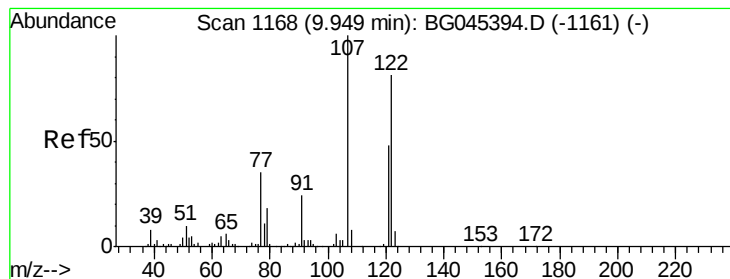


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#27

2,4-Dimethylphenol

Concen: 25.365 ng

RT: 9.96 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Instrument :

BNA_G

ClientSampleId :

C0AP5

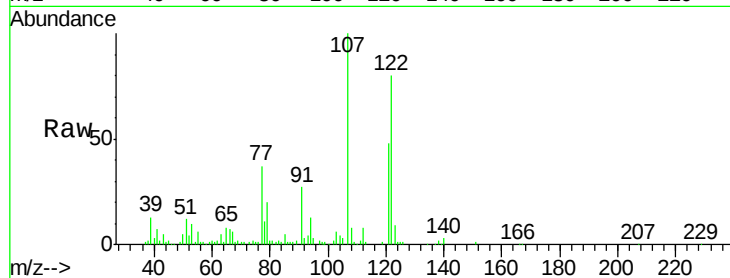
Tot Ion:122 Resp: 90223

Ion Ratio Lower Upper

122 100

107 124.9 99.0 148.4

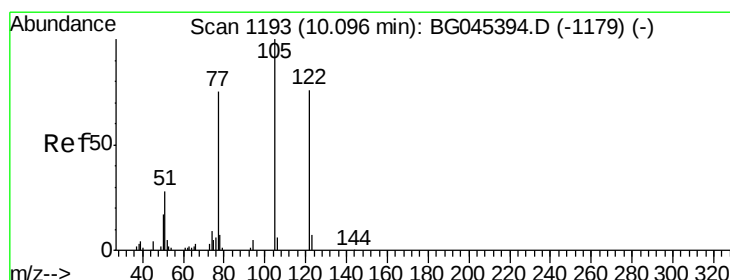
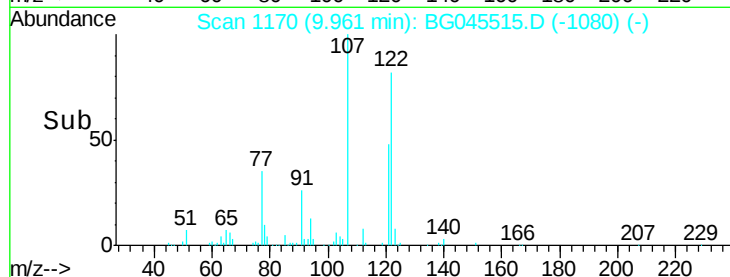
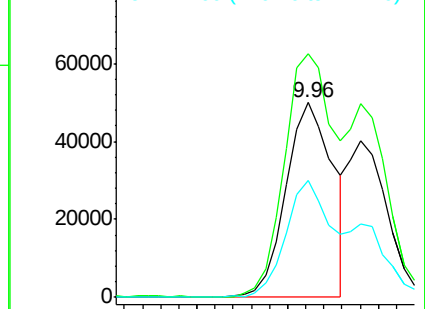
121 59.8 47.7 71.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 16.753 ng

RT: 10.10 min Scan# 1193

Delta R.T. -0.04 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

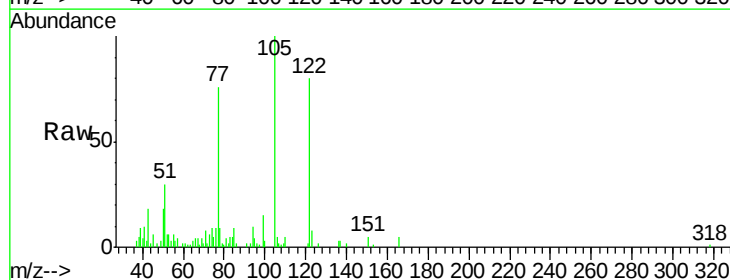
Tgt Ion:122 Resp: 20578

Ion Ratio Lower Upper

122 100

105 124.7 107.9 147.9

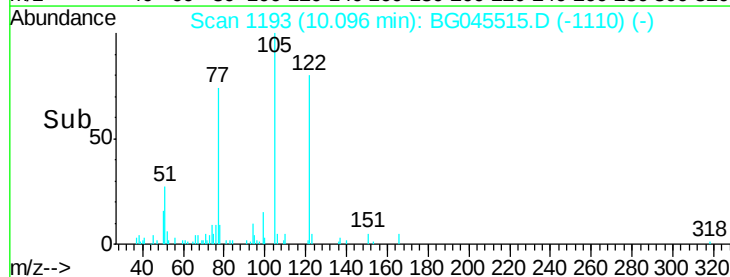
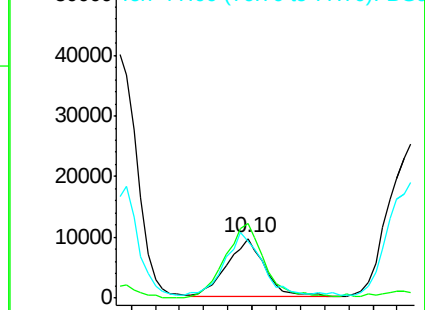
77 94.7 78.9 118.9

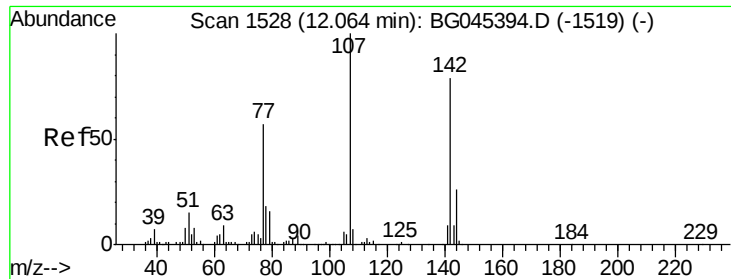


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

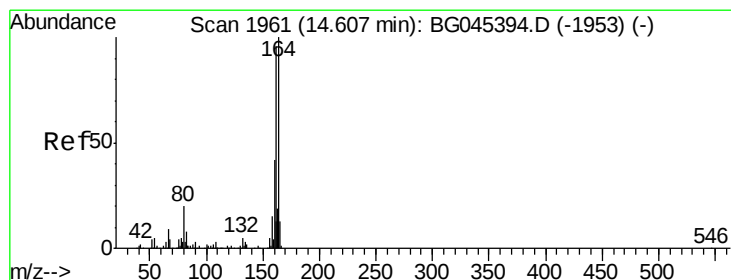
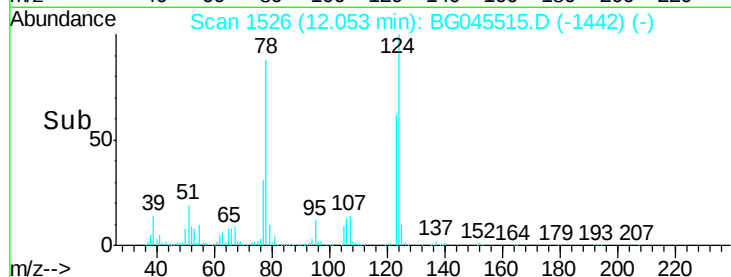
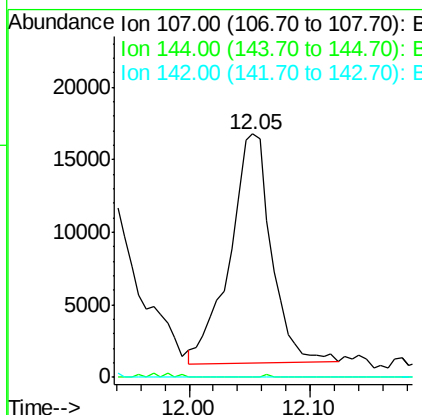
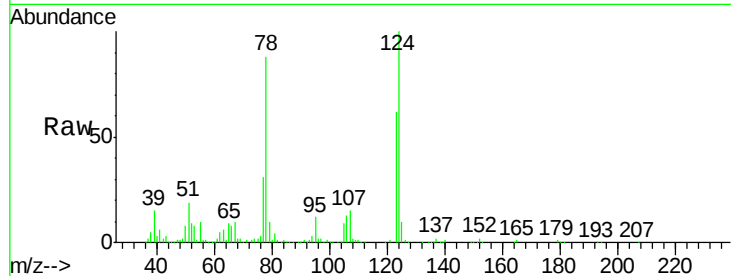




#36
 4-Chloro-3-methylphenol
 Concen: 8.086 ng
 RT: 12.05 min Scan# 1526
 Delta R.T. -0.04 min
 Lab File: BG045515.D
 Acq: 29 May 2020 6:27

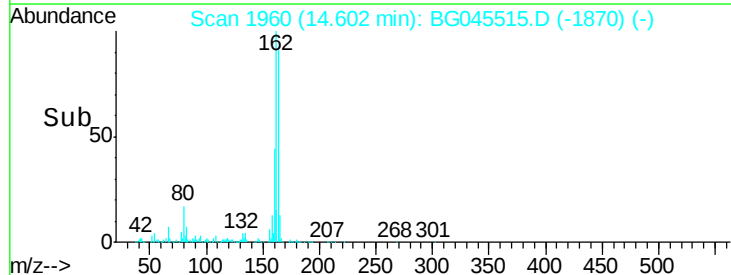
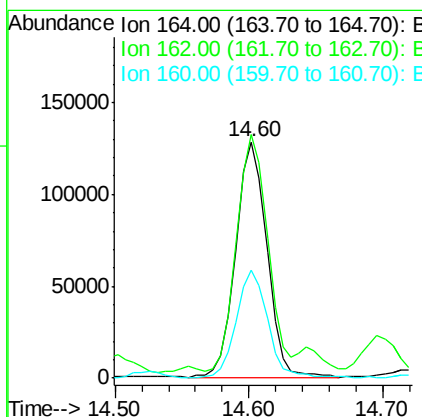
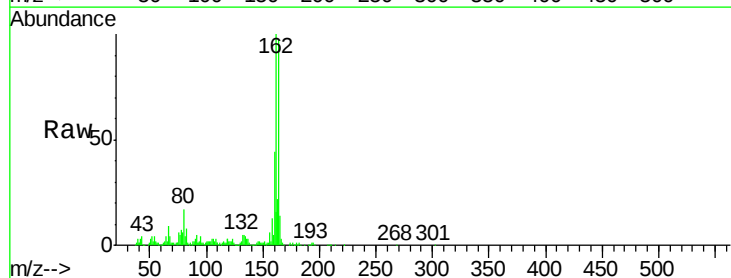
Instrument :
 BNA_G
 ClientSampleId :
 C0AP5

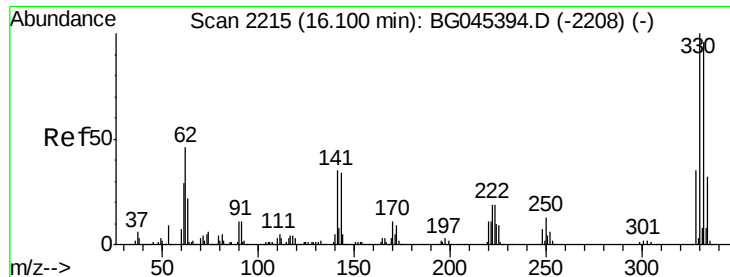
Tot Ion:107 Resp: 38273
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.8 31.2#
 142 0.0 62.8 94.2#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BG045515.D
 Acq: 29 May 2020 6:27

Tgt Ion:164 Resp: 207430
 Ion Ratio Lower Upper
 164 100
 162 102.9 76.9 115.3
 160 45.6 33.8 50.8





#42

2,4,6-Tribromophenol

Concen: 186.328 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Instrument :

BNA_G

ClientSampleId :

C0AP5

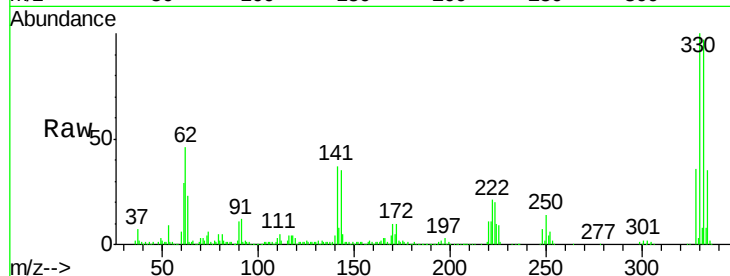
Tot Ion:330 Resp: 494291

Ion Ratio Lower Upper

330 100

332 97.9 78.2 117.4

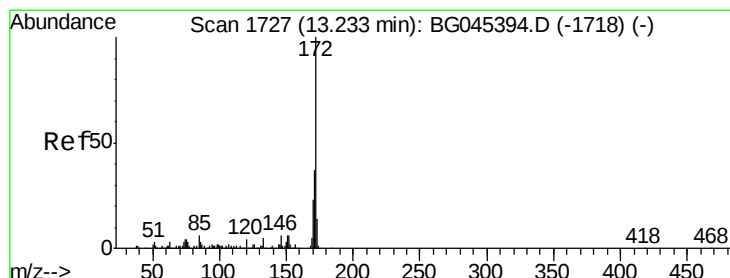
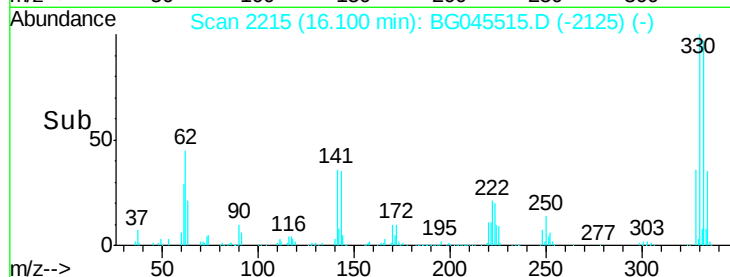
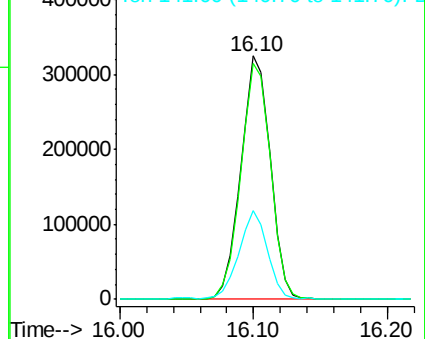
141 35.7 28.2 42.4



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: 118.873 ng

RT: 13.23 min Scan# 1726

Delta R.T. 0.01 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

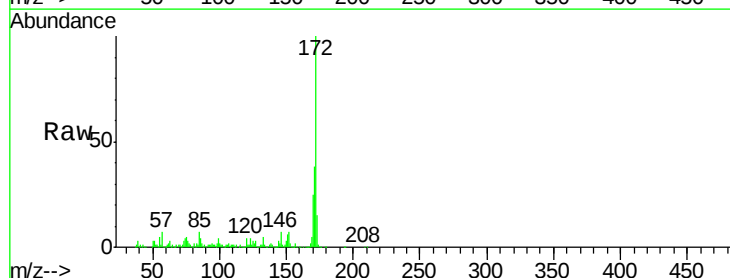
Tgt Ion:172 Resp: 1453708

Ion Ratio Lower Upper

172 100

171 38.2 29.5 44.3

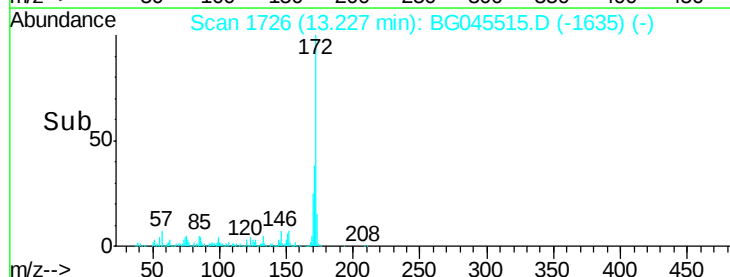
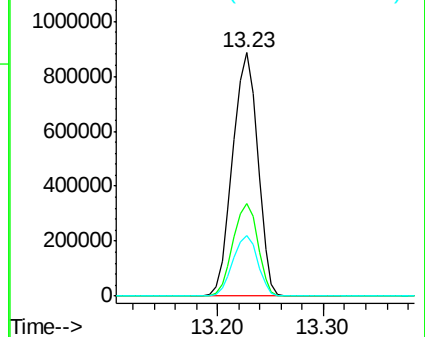
170 24.9 18.5 27.7

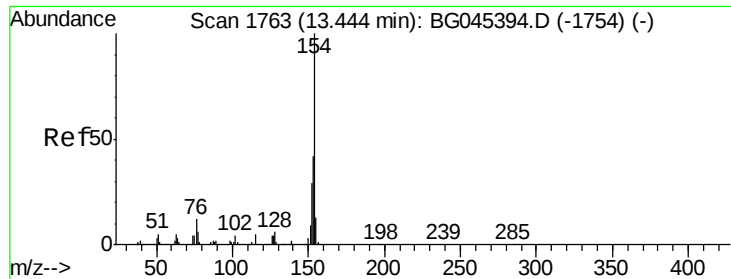


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 15.184 ng

RT: 13.05 min Scan# 1695

Delta R.T. -0.39 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Instrument :

BNA_G

ClientSampleId :

C0AP5

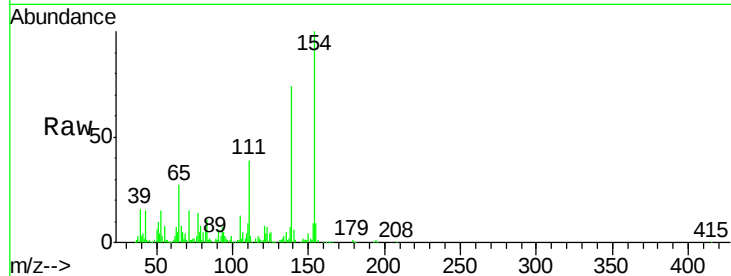
Tot Ion:154 Resp: 193526

Ion Ratio Lower Upper

154 100

153 9.3 22.2 62.2#

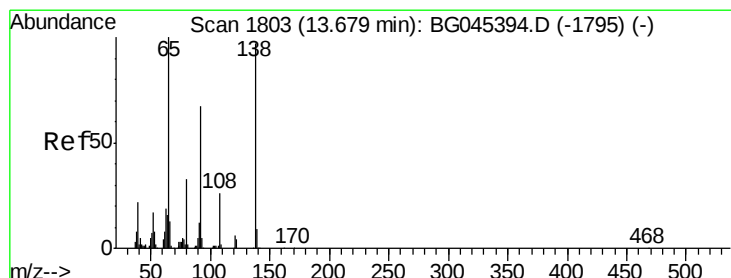
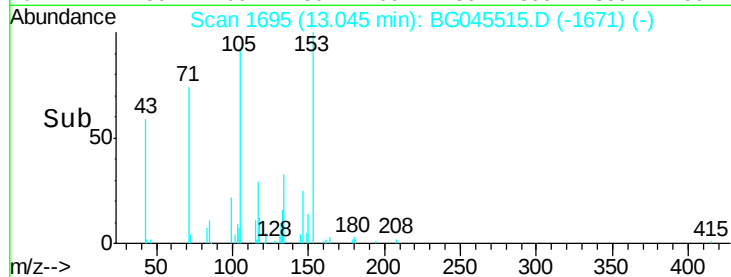
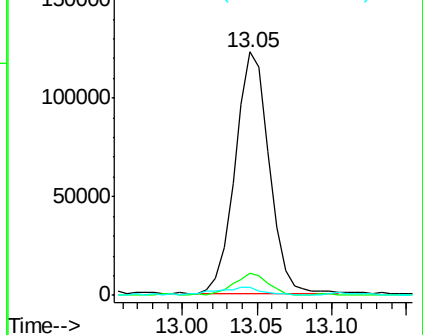
76 3.1 0.0 32.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#48

2-Nitroaniline

Concen: 12.031 ng

RT: 13.73 min Scan# 1812

Delta R.T. 0.05 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

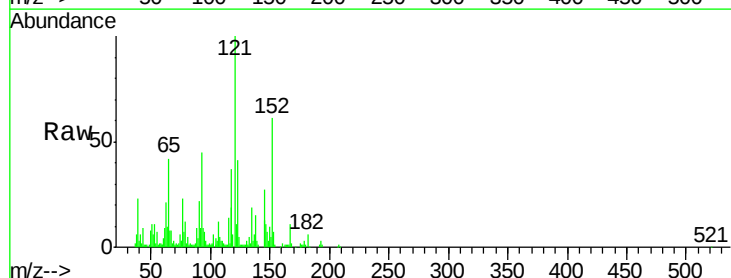
Tgt Ion: 65 Resp: 40959

Ion Ratio Lower Upper

65 100

92 21.2 53.8 80.8#

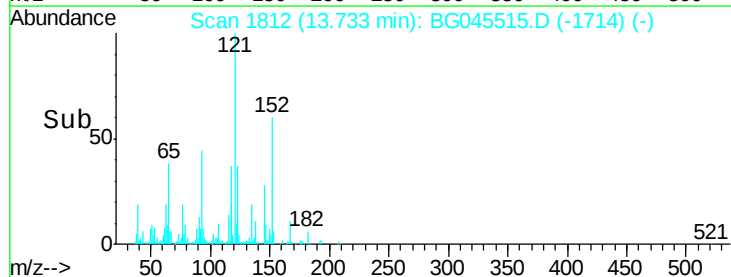
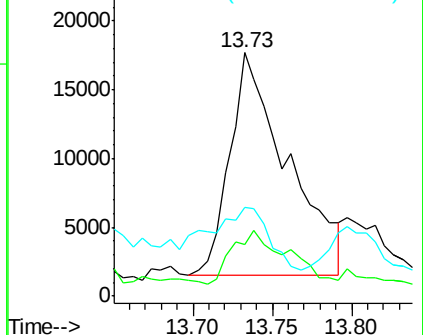
138 36.4 77.9 116.9#

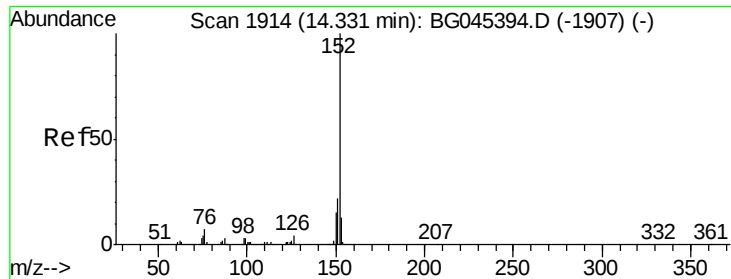


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 5.872 ng

RT: 14.28 min Scan# 1906

Delta R.T. -0.04 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Instrument :

BNA_G

ClientSampleId :

C0AP5

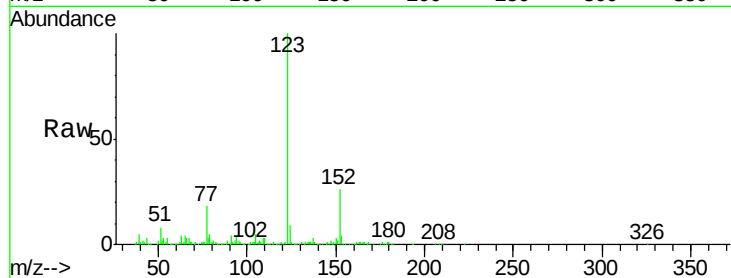
Tot Ion:152 Resp: 97612

Ion Ratio Lower Upper

152 100

151 6.0 17.4 26.2#

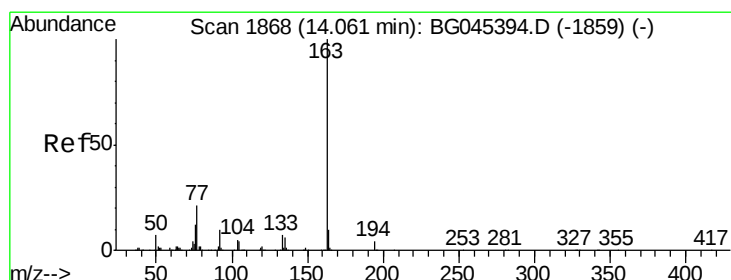
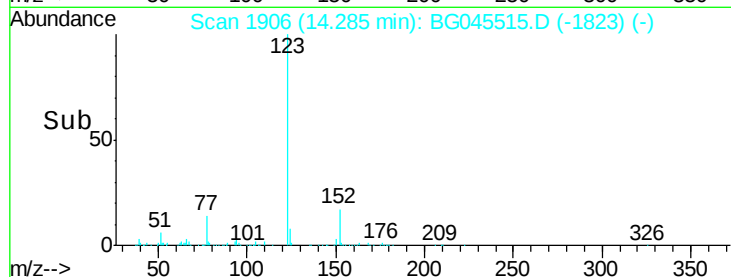
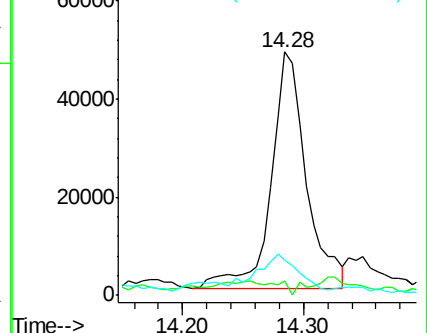
153 14.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.533 ng

RT: 14.06 min Scan# 1868

Delta R.T. 0.01 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

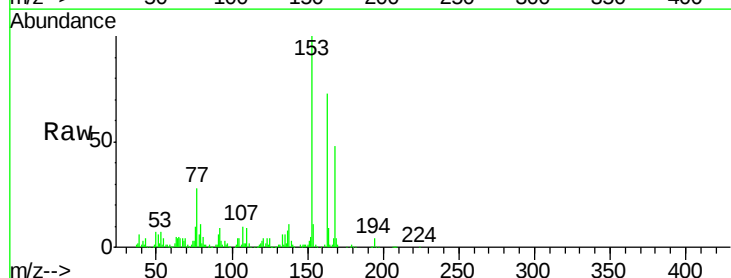
Tgt Ion:163 Resp: 135650

Ion Ratio Lower Upper

163 100

194 5.3 3.2 4.8#

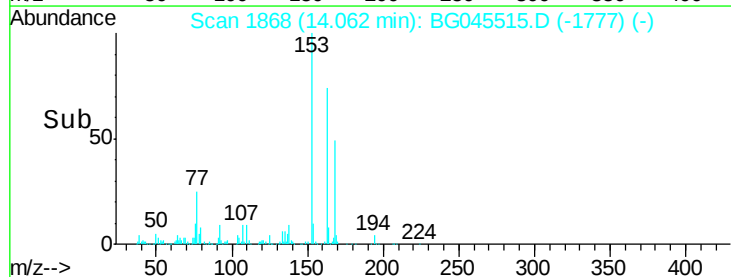
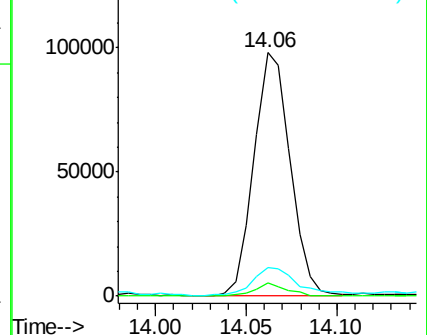
164 11.9 8.3 12.5

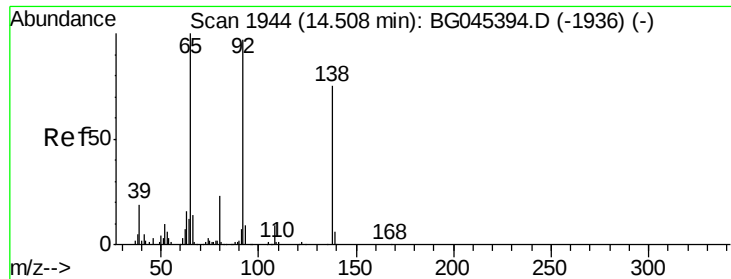


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#53

3-Nitroaniline

Concen: 5.925 ng

RT: 14.50 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Instrument :

BNA_G

ClientSampleId :

C0AP5

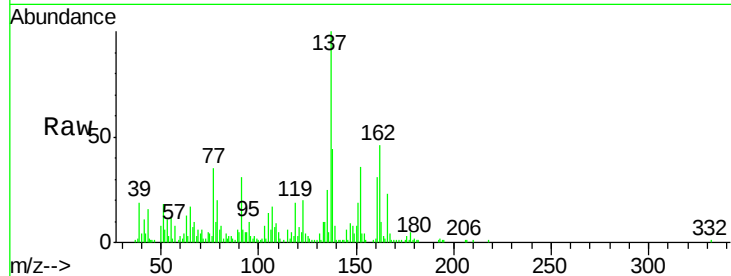
Tot Ion:138 Resp: 19340

Ion Ratio Lower Upper

138 100

108 16.9 9.8 14.6#

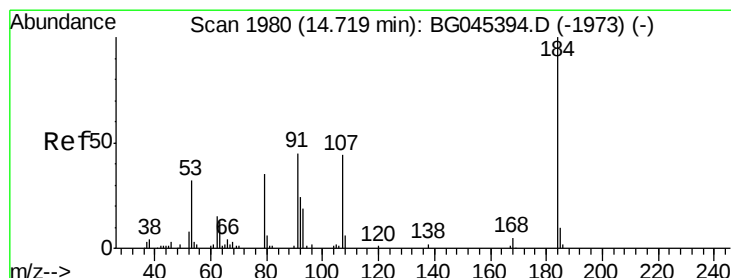
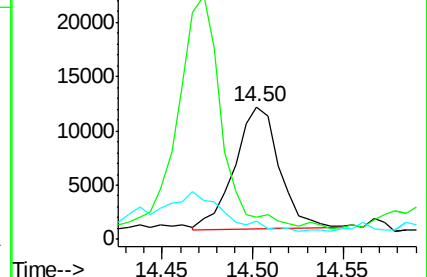
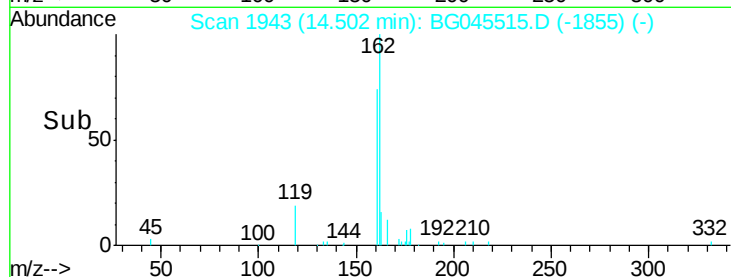
92 13.8 103.0 154.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 6.732 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.03 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

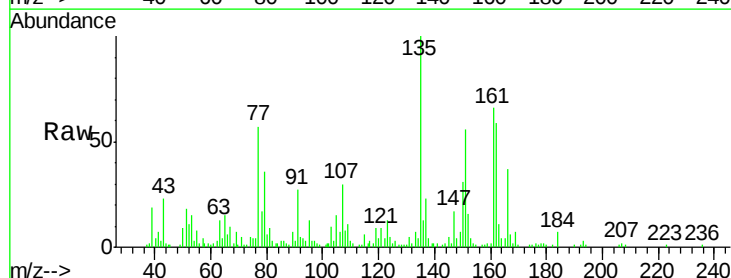
Tgt Ion:184 Resp: 2874

Ion Ratio Lower Upper

184 100

63 204.9 47.8 71.6#

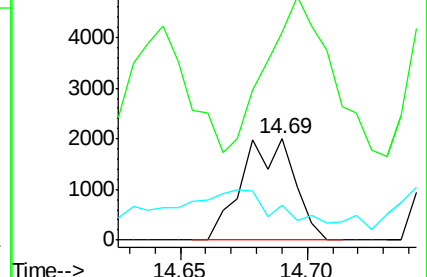
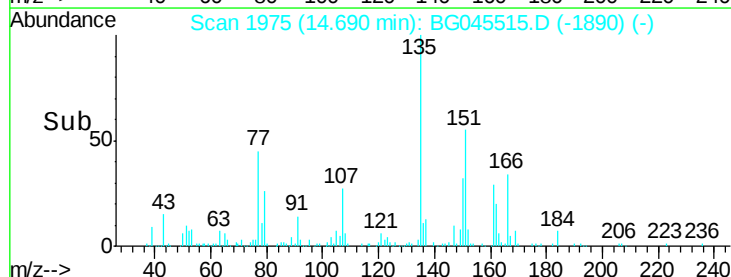
154 35.0 58.3 87.5#

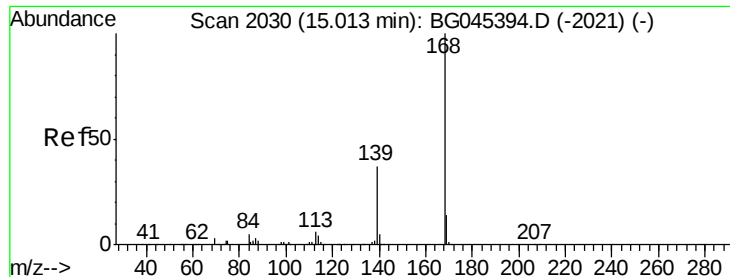


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 15.019 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.23 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Instrument :

BNA_G

ClientSampleId :

C0AP5

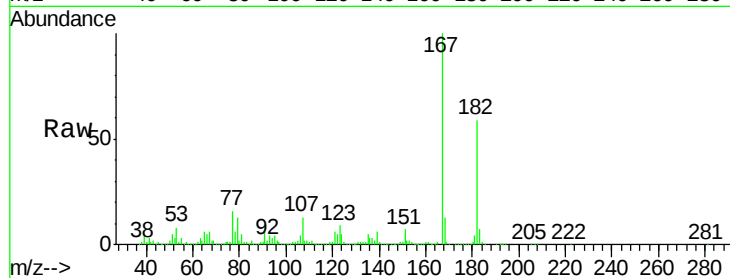
Tot Ion:168 Resp: 248197

Ion Ratio Lower Upper

168 100

139 43.9 29.9 44.9

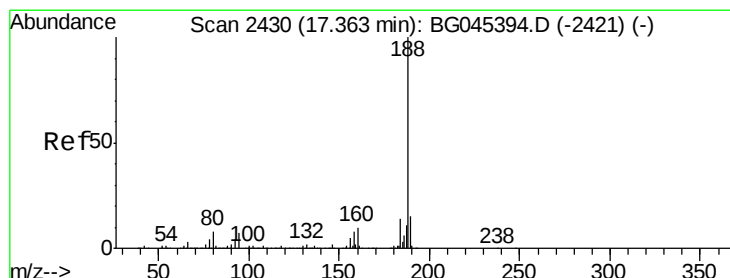
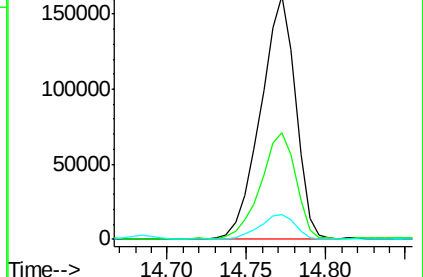
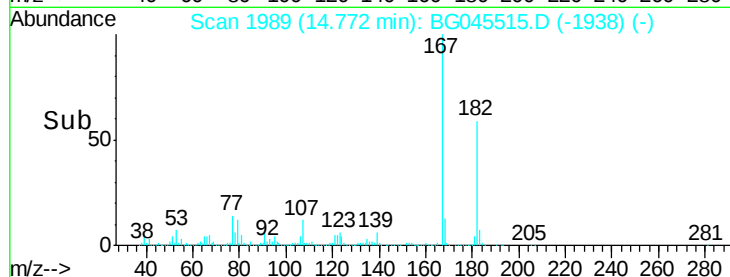
169 9.9 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

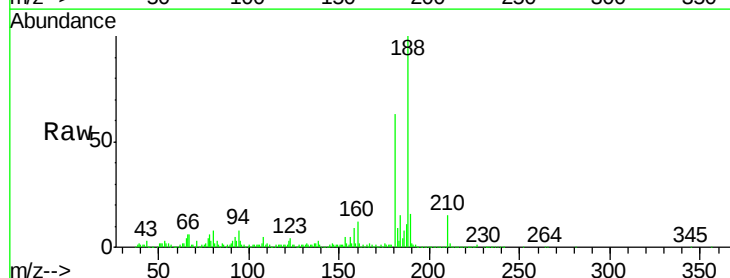
Tgt Ion:188 Resp: 424546

Ion Ratio Lower Upper

188 100

94 7.8 5.5 8.3

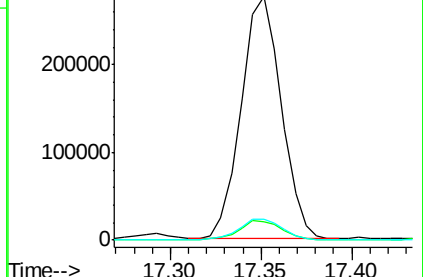
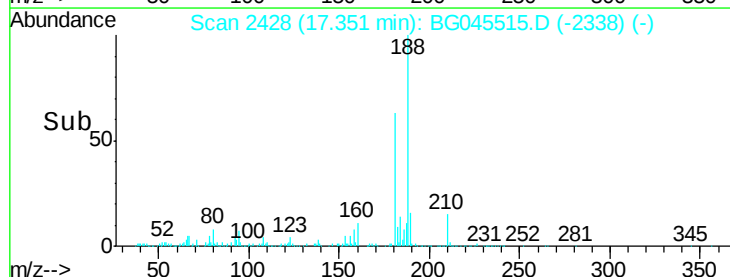
80 8.5 6.6 10.0

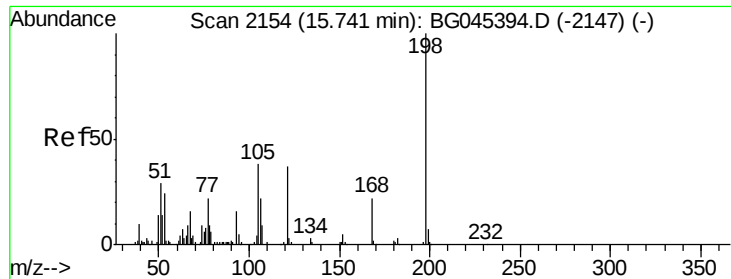


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 3.461 ng

RT: 15.56 min Scan# 2123

Delta R.T. -0.18 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Instrument :

BNA_G

ClientSampleId :

C0AP5

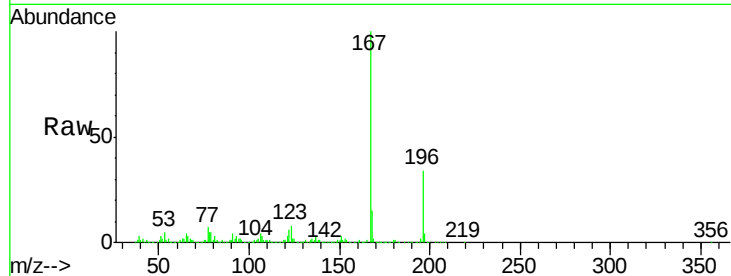
Tot Ion:198 Resp: 8557

Ion Ratio Lower Upper

198 100

51 563.0 10.0 50.0#

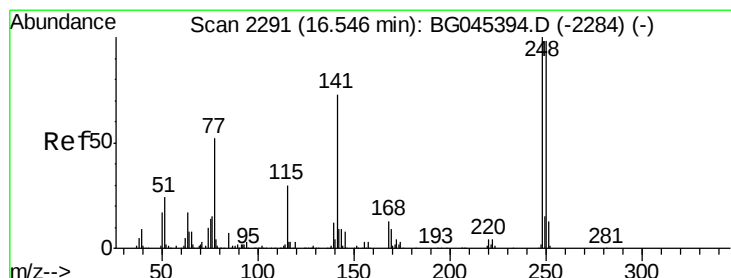
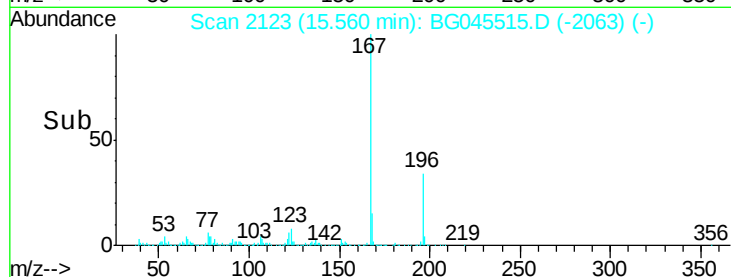
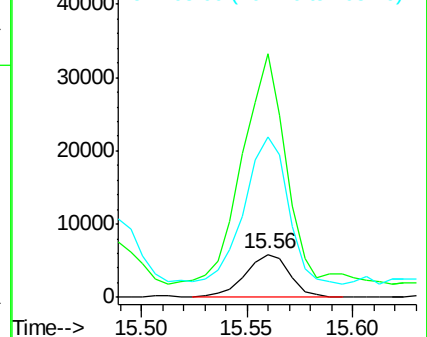
105 370.0 18.9 58.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 7.267 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.43 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

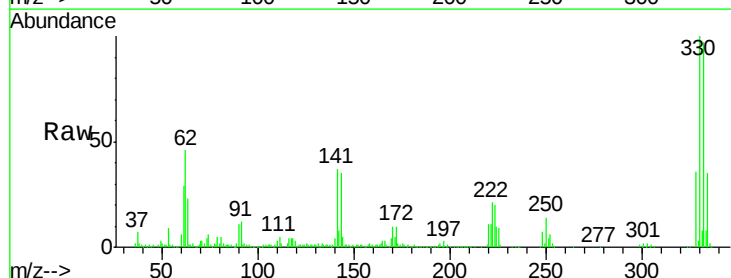
Tgt Ion:248 Resp: 33408

Ion Ratio Lower Upper

248 100

250 210.6 78.6 117.8#

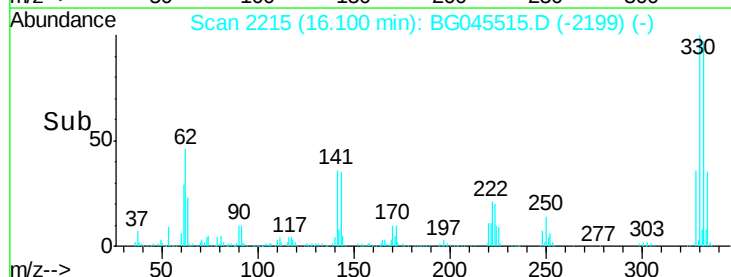
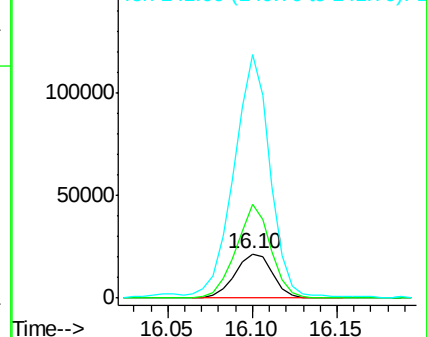
141 548.5 58.2 87.2#

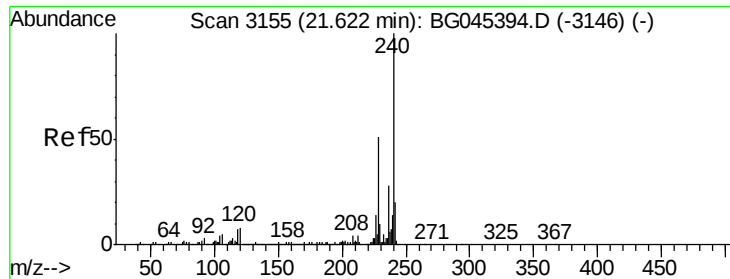


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.01 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

Instrument :

BNA_G

ClientSampleId :

C0AP5

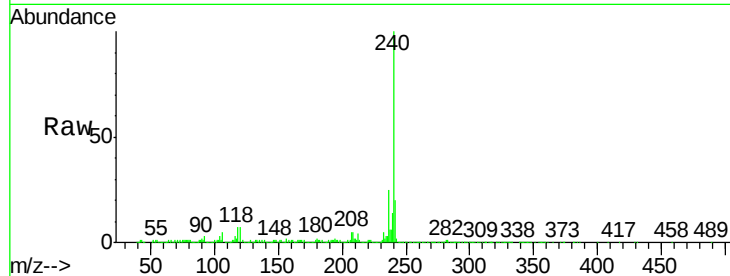
Tot Ion:240 Resp: 406747

Ion Ratio Lower Upper

240 100

120 7.5 6.1 9.1

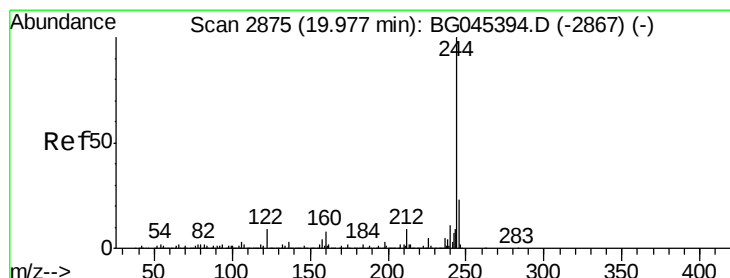
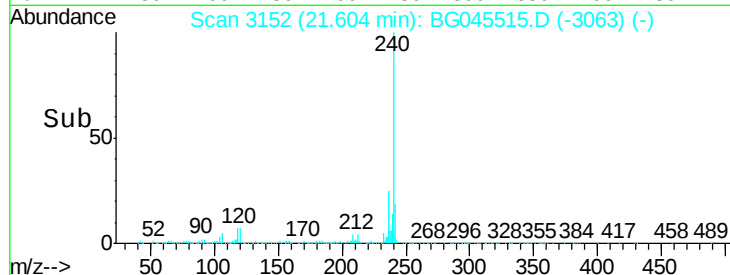
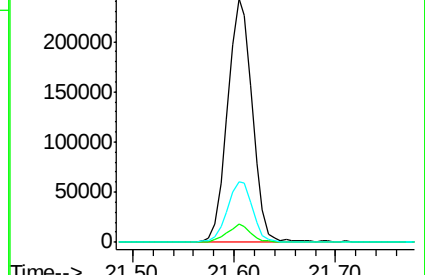
236 25.1 22.3 33.5



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: 122.019 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG045515.D

Acq: 29 May 2020 6:27

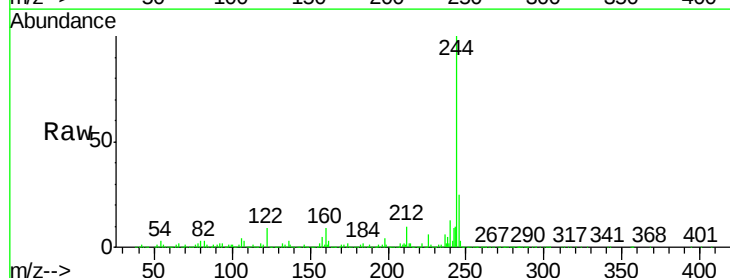
Tgt Ion:244 Resp: 2127988

Ion Ratio Lower Upper

244 100

212 10.0 7.4 11.0

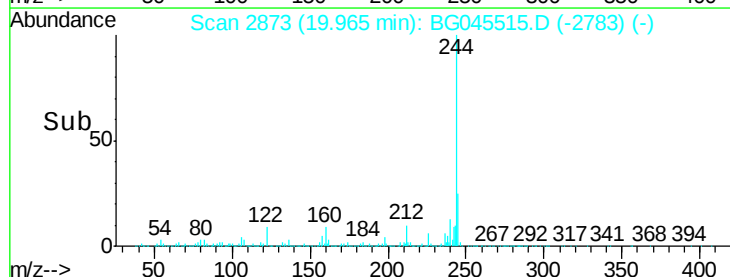
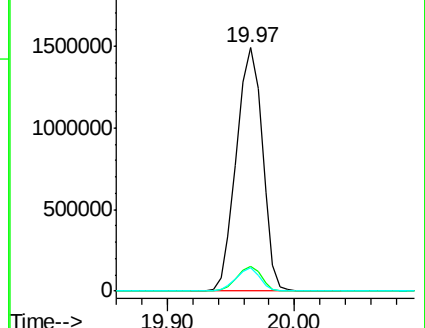
122 9.4 6.8 10.2

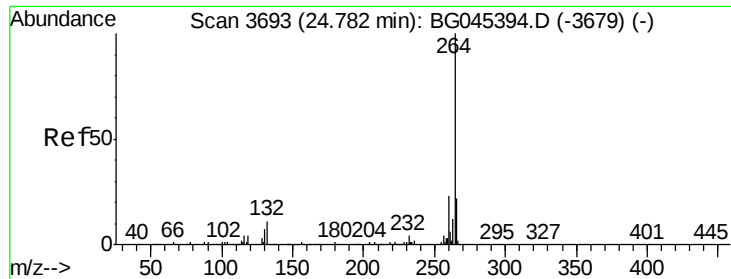


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.76 min Scan# 3689
 Delta R.T. -0.00 min
 Lab File: BG045515.D
 Acq: 29 May 2020 6:27

Instrument :
 BNA_G
 ClientSampleId :
 C0AP5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.2	27.4
265	22.2	17.6	26.4

