

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052920\
 Data File : BG045552.D
 Acq On : 30 May 2020 12:41
 Operator : CG/JU
 Sample : L2757-02DL 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AP4DL

Quant Time: May 31 22:46:58 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 29 11:17:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	57846	20.00	ng	-0.01
21) Naphthalene-d8	10.76	136	234170	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	178763	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	414973	20.00	ng	0.00
76) Chrysene-d12	21.60	240	414996	20.00	ng	-0.01
87) Perylene-d12	24.75	264	446607	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	43893	14.83	ng	0.00
7) Phenol-d6	7.16	99	55378	13.14	ng	-0.01
23) Nitrobenzene-d5	9.11	82	50834	11.84	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	38885	17.01	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	122235	11.60	ng	0.00
79) Terphenyl-d14	19.96	244	230807	12.97	ng	0.00

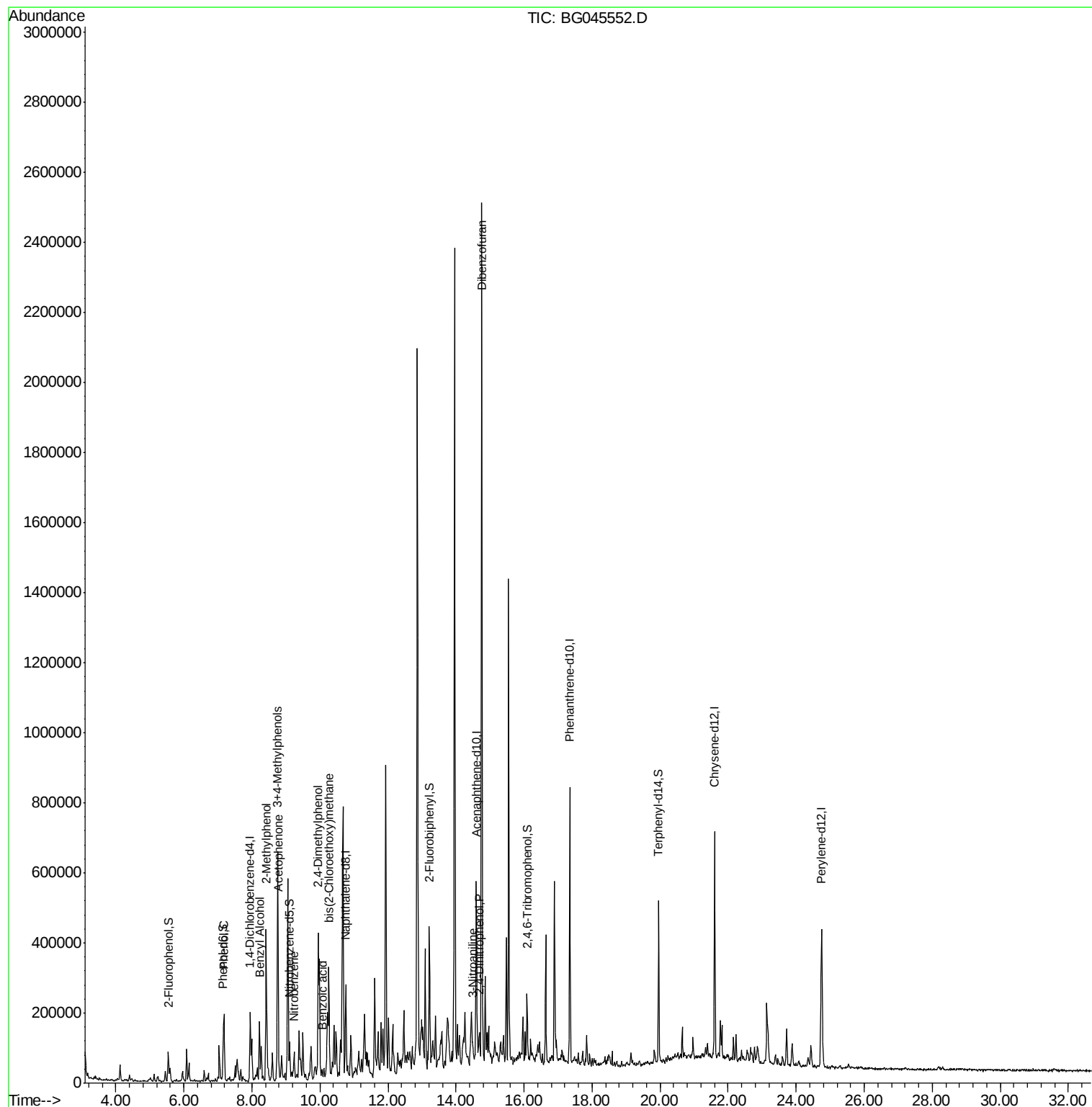
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.18	94	110064	25.349	ng	98
15) Benzyl Alcohol	8.22	79	8417	2.419	ng	# 36
17) 2-Methylphenol	8.42	107	144291	44.398	ng	97
20) 3+4-Methylphenols	8.76	107	311487	70.384	ng	93
22) Acetophenone	8.78	105	19900	3.586	ng	# 48
24) Nitrobenzene	9.22	77	9420	2.047	ng	# 57
27) 2,4-Dimethylphenol	9.95	122	130614	44.745	ng	97
28) bis(2-Chloroethoxy)methane	10.26	93	9616	2.168	ng	# 1
32) Benzoic acid	10.08	122	6779	12.724	ng	# 63
53) 3-Nitroaniline	14.49	138	11993	4.264	ng	# 5
54) 2,4-Dinitrophenol	14.67	184	1310	6.132	ng	# 25
55) Dibenzofuran	14.76	168	110510	7.760	ng	# 94

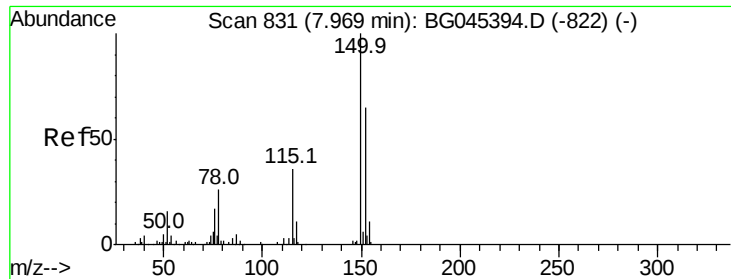
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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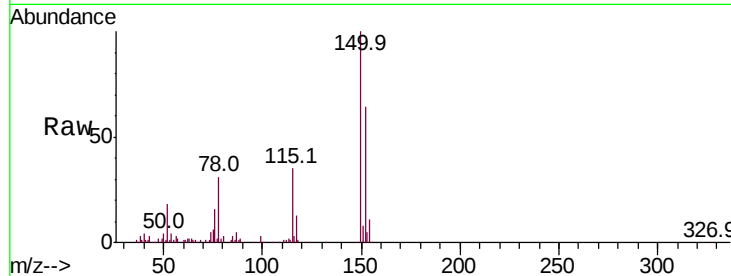


#1

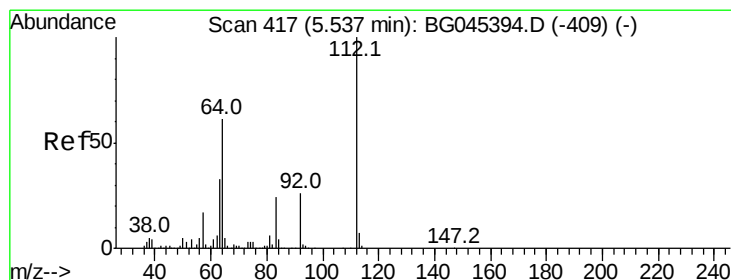
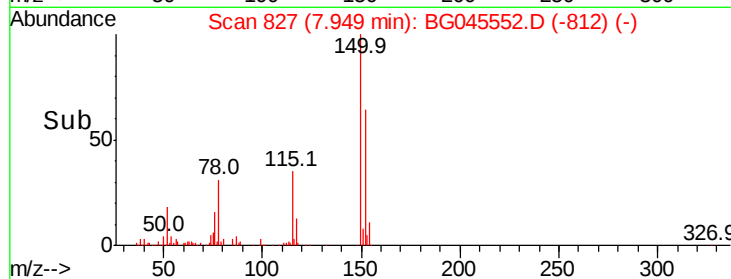
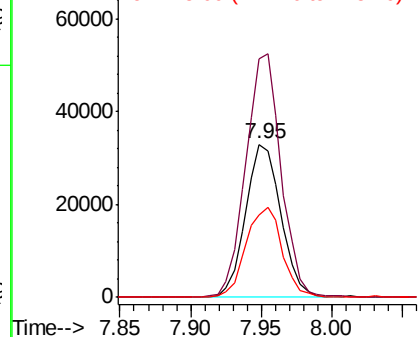
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG045552.D
Acq: 30 May 2020 12:41

Instrument :
BNA_G
ClientSampleId :
C0AP4DL

Tot Ion:152 Resp: 57846
Ion Ratio Lower Upper
152 100
150 155.5 122.4 183.6
115 54.0 44.2 66.4



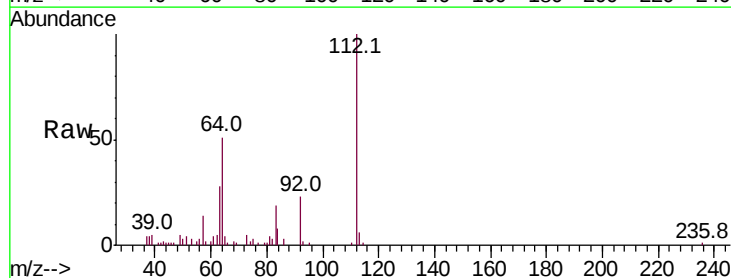
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



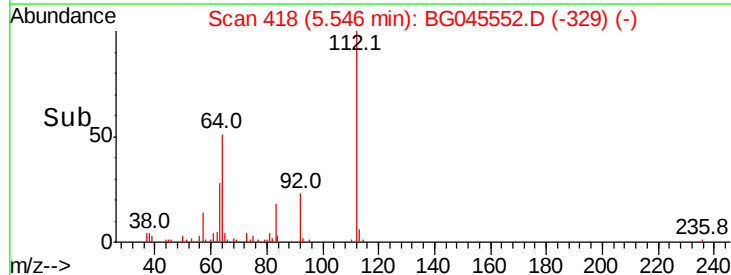
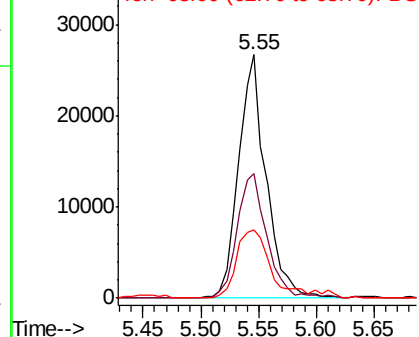
#5

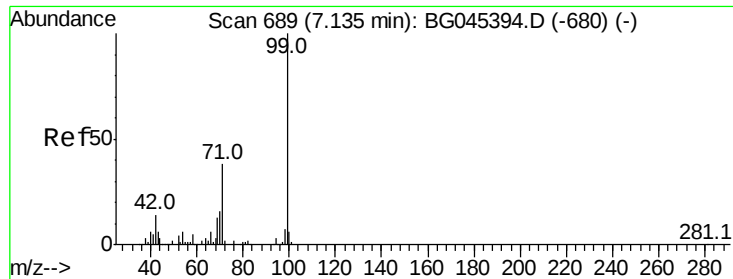
2-Fluorophenol
Concen: 14.829 ng
RT: 5.55 min Scan# 418
Delta R.T. -0.00 min
Lab File: BG045552.D
Acq: 30 May 2020 12:41

Tgt Ion:112 Resp: 43893
Ion Ratio Lower Upper
112 100
64 51.0 48.6 72.8
63 28.1 26.5 39.7



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





#7

Phenol-d6

Concen: 13.145 ng

RT: 7.16 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

Instrument :

BNA_G

ClientSampleId :

C0AP4DL

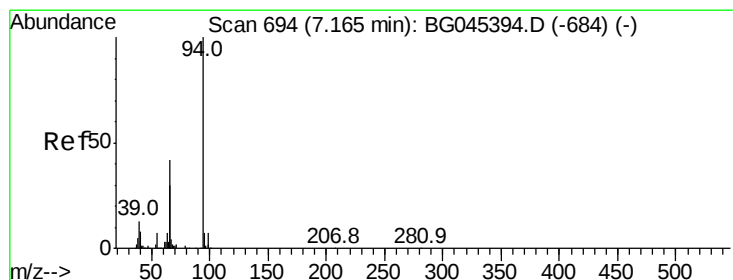
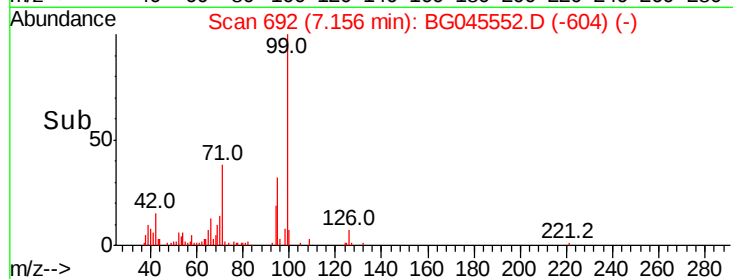
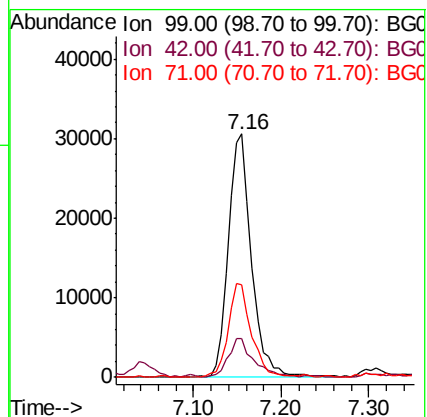
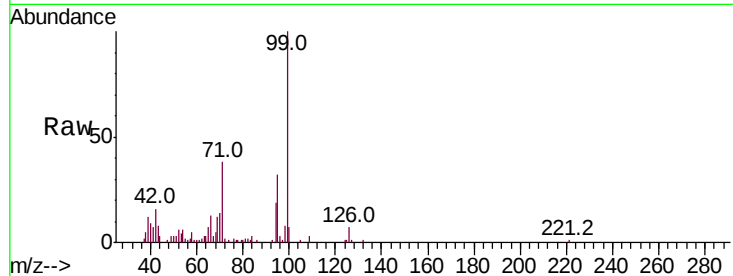
Tot Ion: 99 Resp: 55378

Ion Ratio Lower Upper

99 100

42 15.7 11.3 16.9

71 38.2 30.8 46.2



#10

Phenol

Concen: 25.349 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

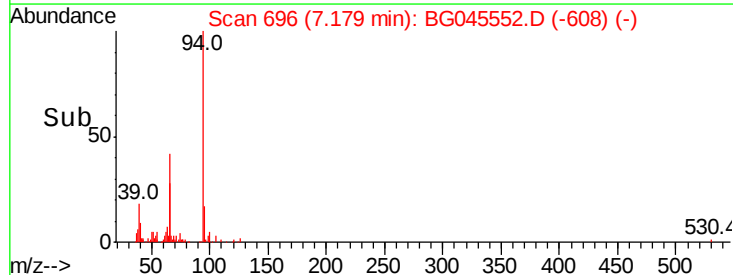
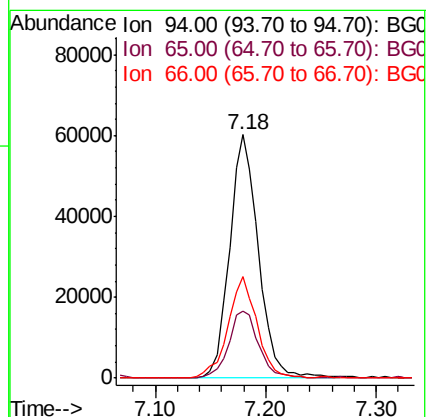
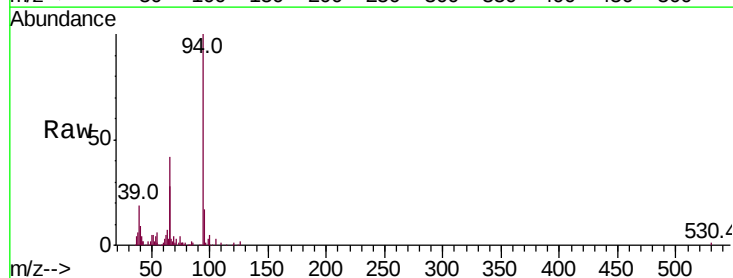
Tgt Ion: 94 Resp: 110064

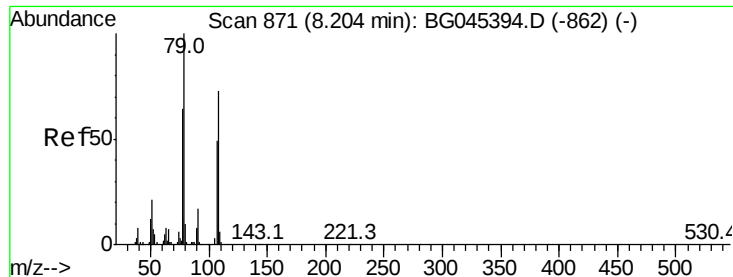
Ion Ratio Lower Upper

94 100

65 27.7 9.8 49.8

66 41.8 22.0 62.0





#15

Benzyl Alcohol

Concen: 2.419 ng

RT: 8.22 min Scan# 874

Delta R.T. 0.02 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

Instrument :

BNA_G

ClientSampleId :

C0AP4DL

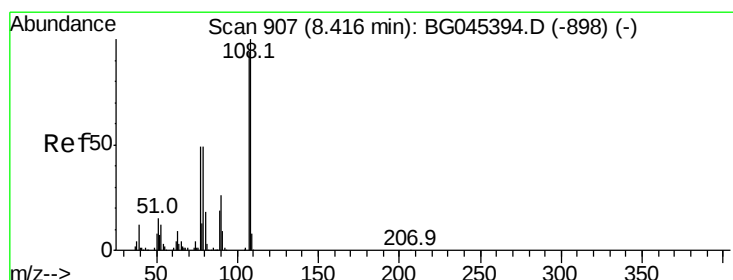
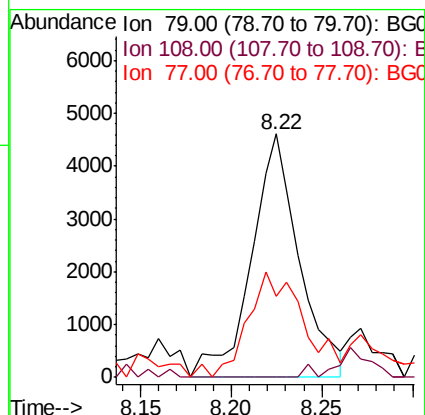
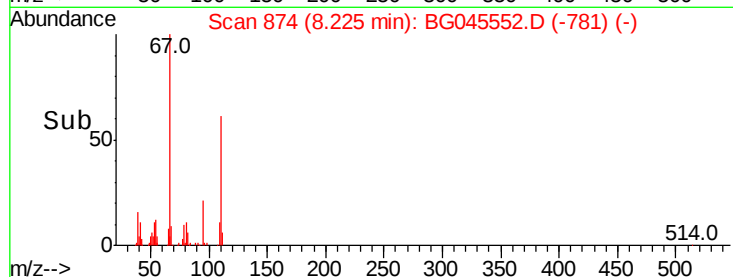
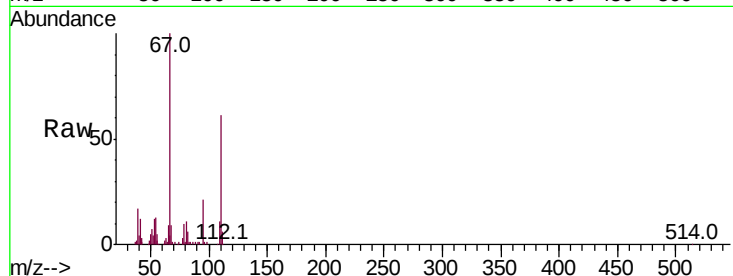
Tot Ion: 79 Resp: 8417

Ion Ratio Lower Upper

79 100

108 0.0 58.2 87.4#

77 33.4 51.0 76.4#



#17

2-Methylphenol

Concen: 44.398 ng

RT: 8.42 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

Tgt Ion: 107 Resp: 144291

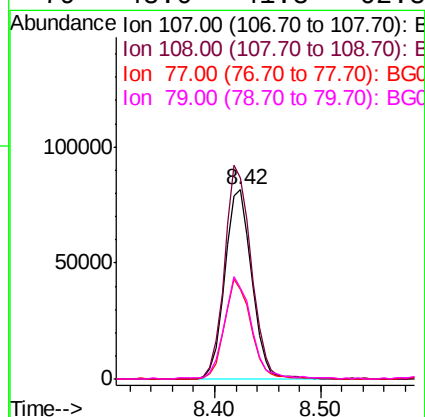
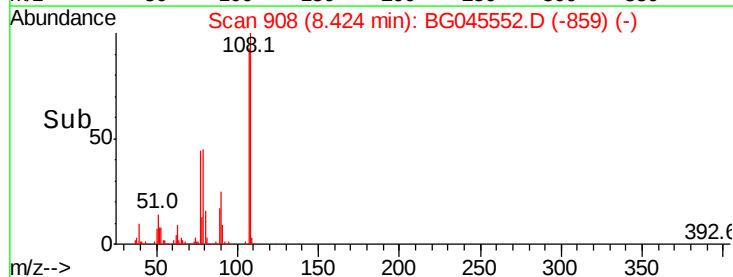
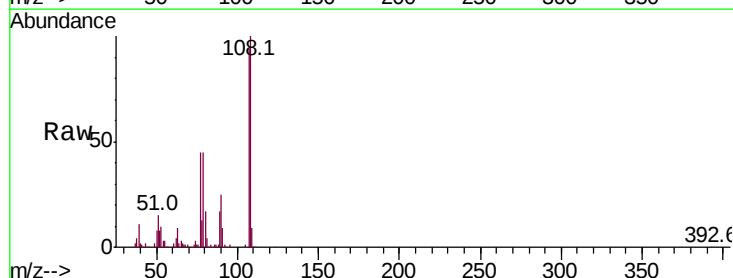
Ion Ratio Lower Upper

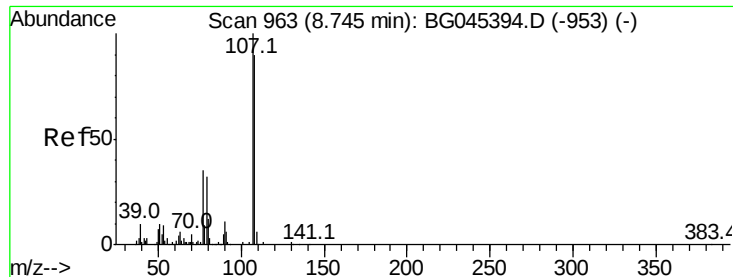
107 100

108 106.7 85.2 127.8

77 47.7 41.6 62.4

79 48.0 41.8 62.8





#20

3+4-Methylphenols

Concen: 70.384 ng

RT: 8.76 min Scan# 965

Delta R.T. -0.00 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

Instrument :

BNA_G

ClientSampleId :

C0AP4DL

Tot Ion:107 Resp: 311487

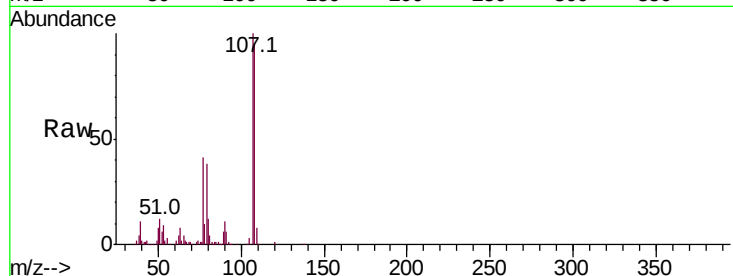
Ion Ratio Lower Upper

107 100

108 95.0 70.3 110.3

77 41.5 15.4 55.4

79 37.8 12.6 52.6

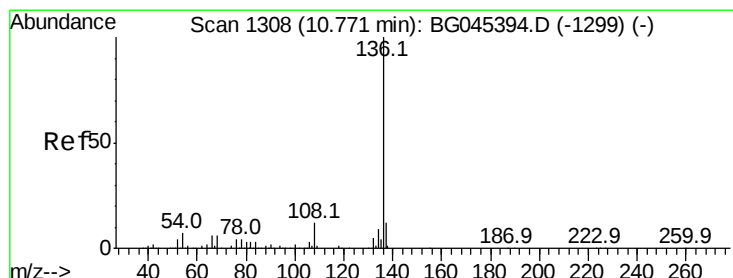
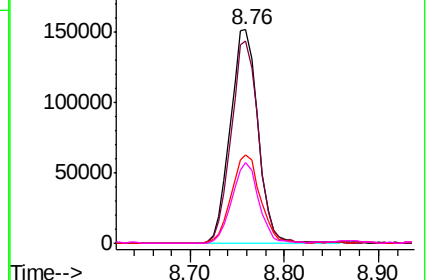
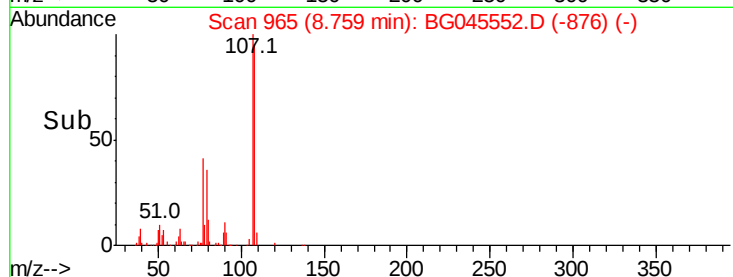


Abundance Ion 107.00 (106.70 to 107.70): E

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: 10.76 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

Tgt Ion:136 Resp: 234170

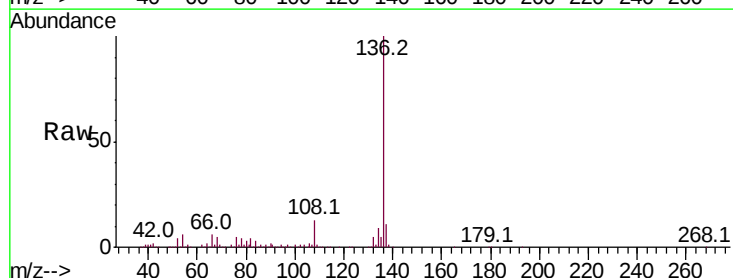
Ion Ratio Lower Upper

136 100

137 10.7 9.4 14.2

54 6.1 5.8 8.6

68 5.2 4.5 6.7

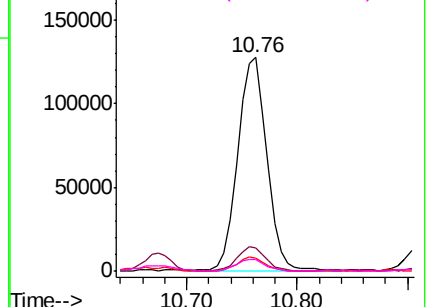
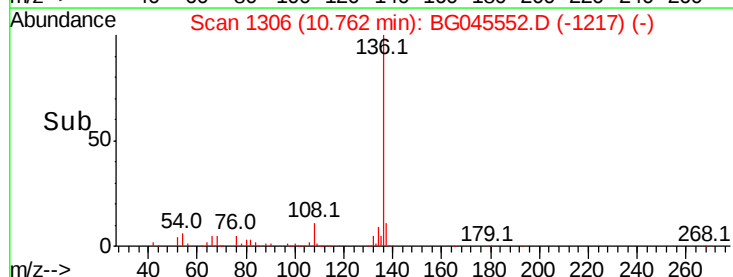


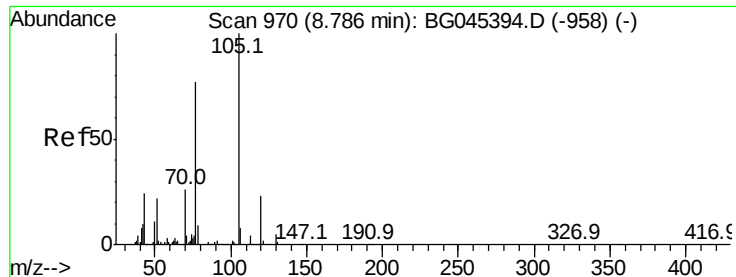
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 3.586 ng

RT: 8.78 min Scan# 968

Delta R.T. -0.00 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

Instrument :

BNA_G

ClientSampleId :

C0AP4DL

Tot Ion:105 Resp: 19900

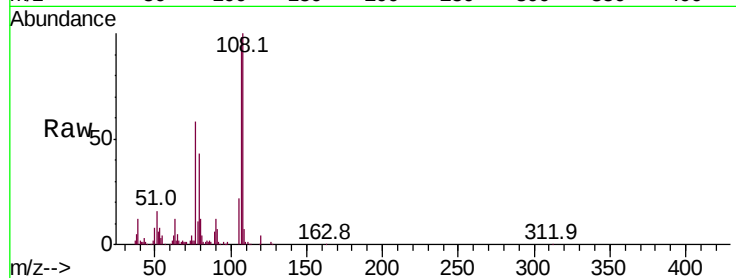
Ion Ratio Lower Upper

105 100

71 2.4 3.4 5.0#

51 72.0 18.2 27.2#

120 17.6 18.6 27.8#

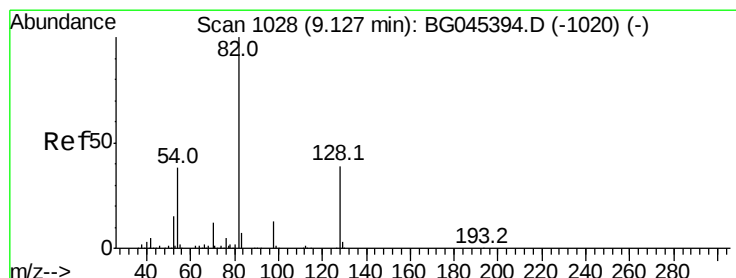
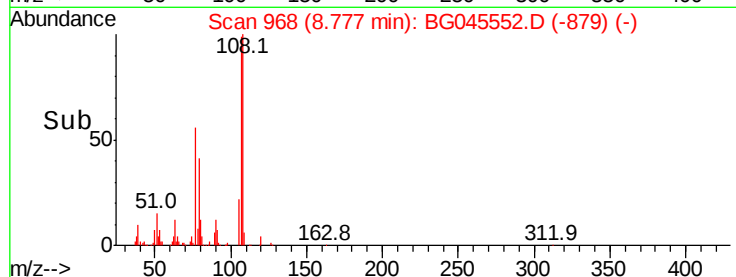
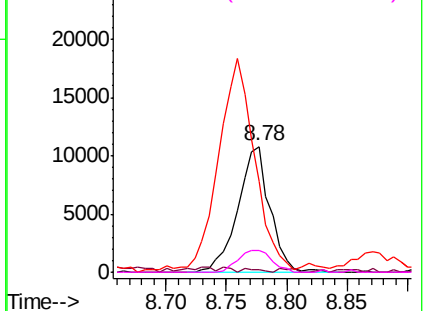


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 11.838 ng

RT: 9.11 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

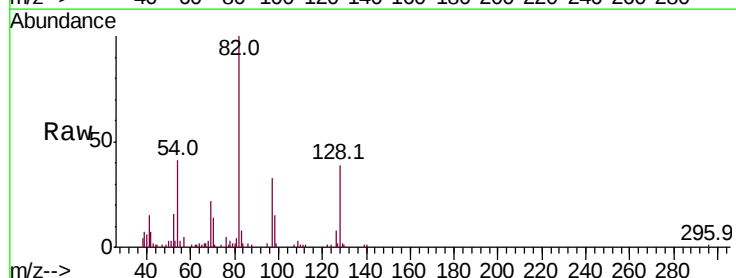
Tgt Ion: 82 Resp: 50834

Ion Ratio Lower Upper

82 100

128 38.8 30.9 46.3

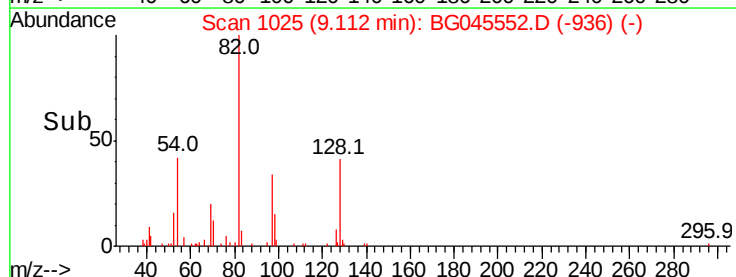
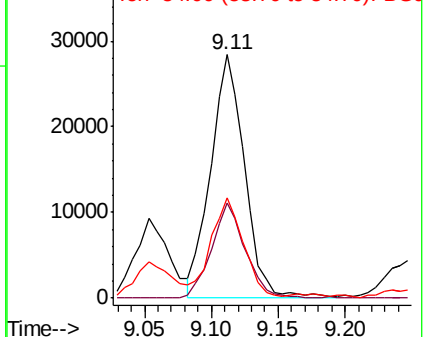
54 41.1 30.3 45.5

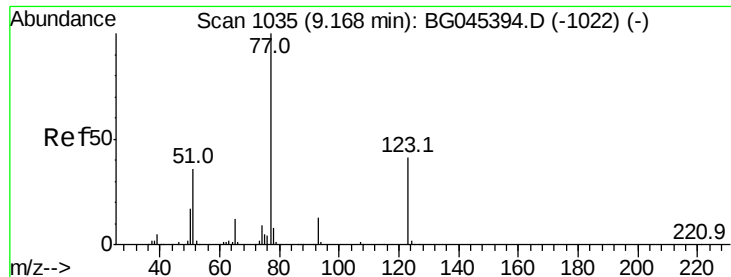


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 2.047 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.05 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

Instrument :

BNA_G

ClientSampleId :

C0AP4DL

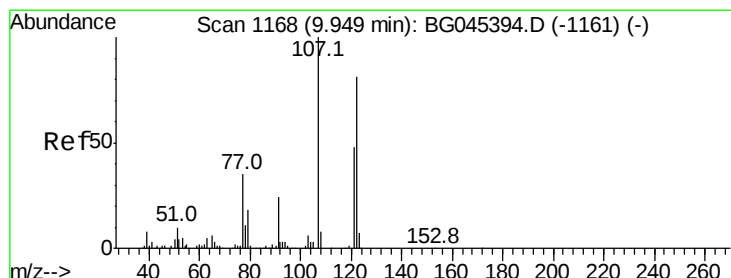
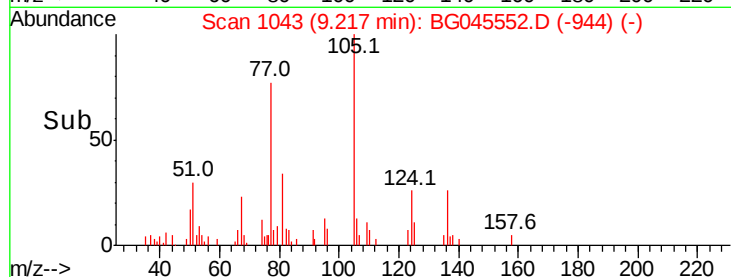
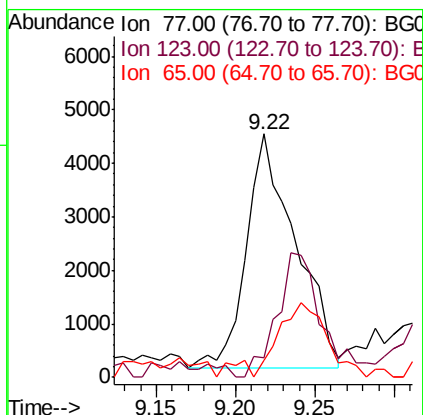
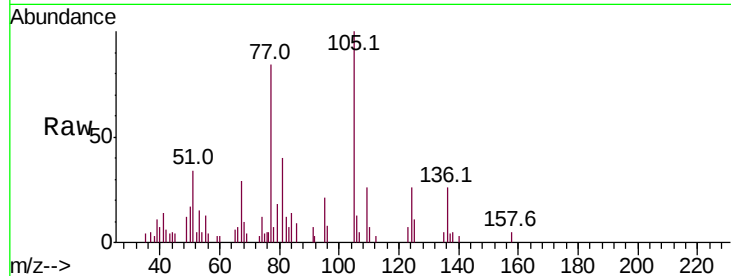
Tot Ion: 77 Resp: 9420

Ion Ratio Lower Upper

77 100

123 8.2 32.9 49.3#

65 7.1 9.4 14.2#



#27

2,4-Dimethylphenol

Concen: 44.745 ng

RT: 9.95 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

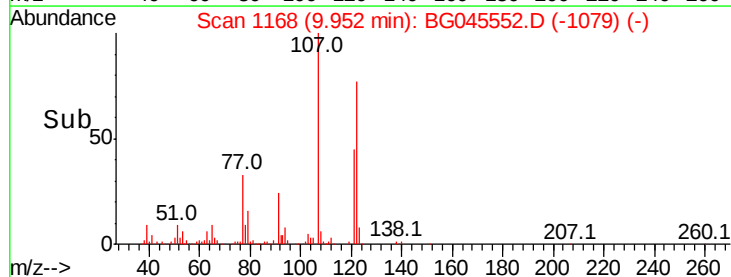
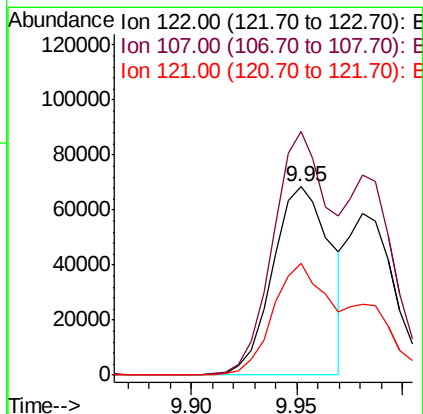
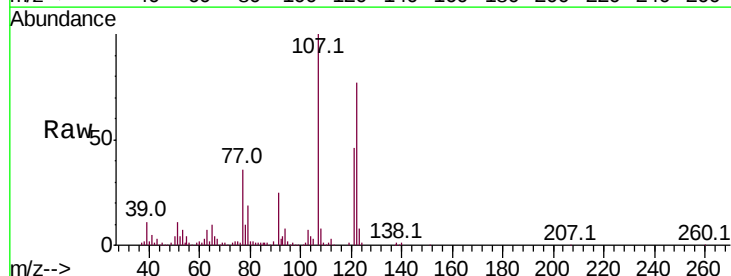
Tgt Ion: 122 Resp: 130614

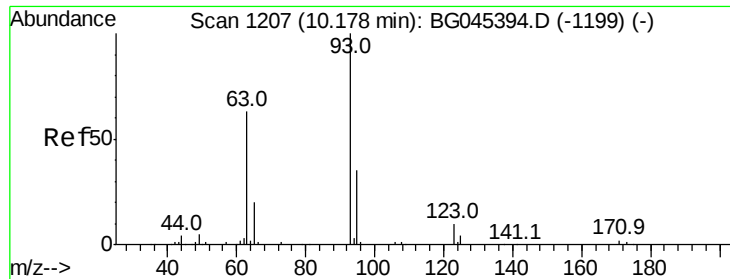
Ion Ratio Lower Upper

122 100

107 129.5 99.0 148.4

121 59.6 47.7 71.5

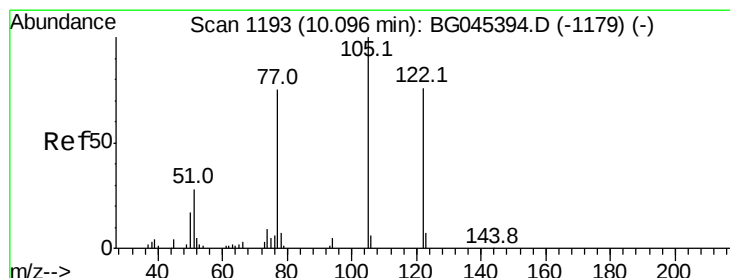
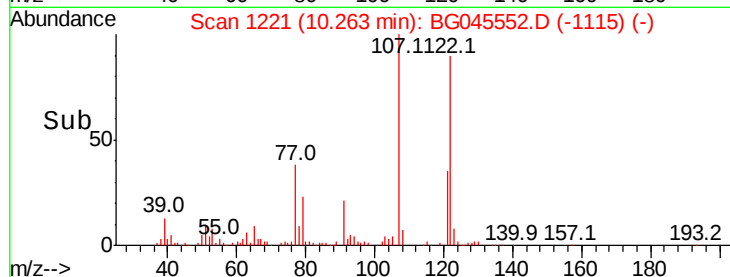
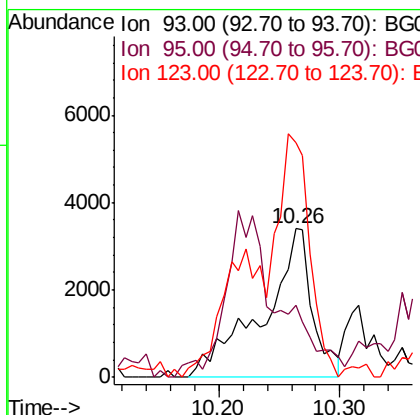
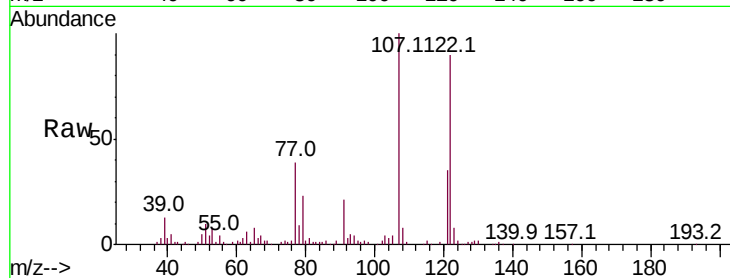




#28
bis(2-Chloroethoxy)methane
Concen: 2.168 ng
RT: 10.26 min Scan# 1221
Delta R.T. 0.10 min
Lab File: BG045552.D
Acq: 30 May 2020 12:41

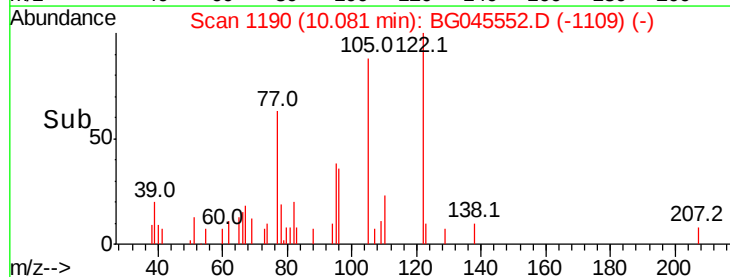
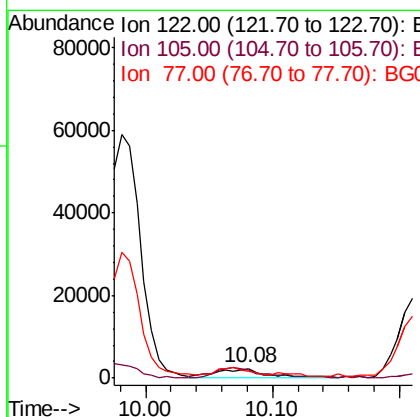
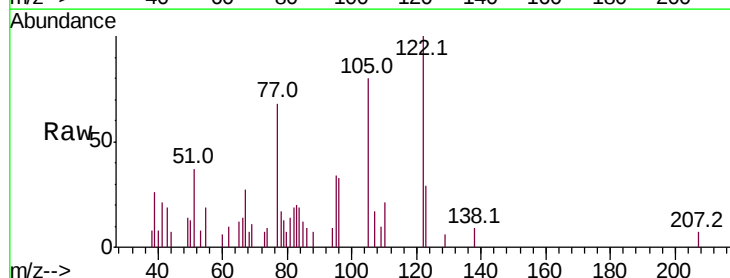
Instrument :
BNA_G
ClientSampleId :
C0AP4DL

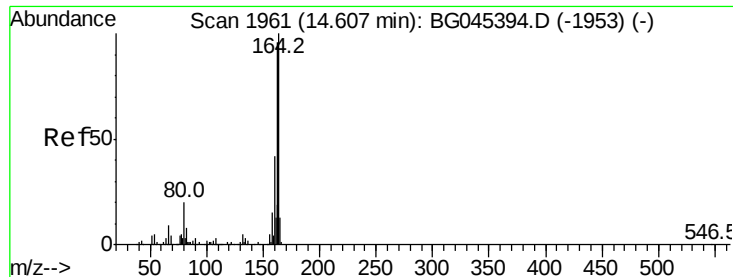
Tot Ion: 93 Resp: 9616
Ion Ratio Lower Upper
93 100
95 48.9 27.6 41.4#
123 158.0 8.1 12.1#



#32
Benzoic acid
Concen: 12.724 ng
RT: 10.08 min Scan# 1190
Delta R.T. -0.05 min
Lab File: BG045552.D
Acq: 30 May 2020 12:41

Tgt Ion: 122 Resp: 6779
Ion Ratio Lower Upper
122 100
105 80.2 107.9 147.9#
77 67.5 78.9 118.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

Instrument :

BNA_G

ClientSampleId :

C0AP4DL

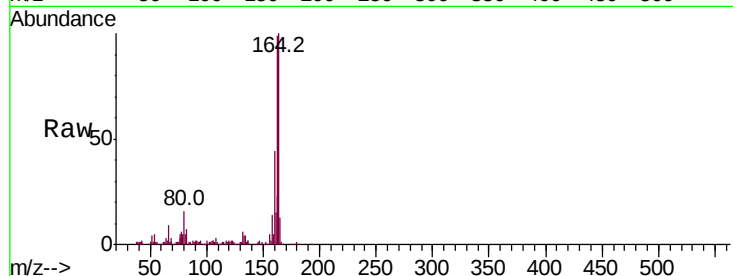
Tot Ion:164 Resp: 178763

Ion Ratio Lower Upper

164 100

162 99.4 76.9 115.3

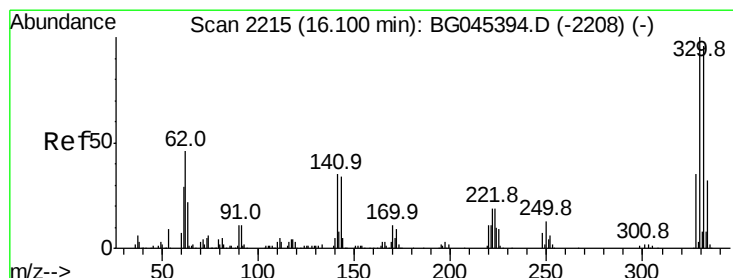
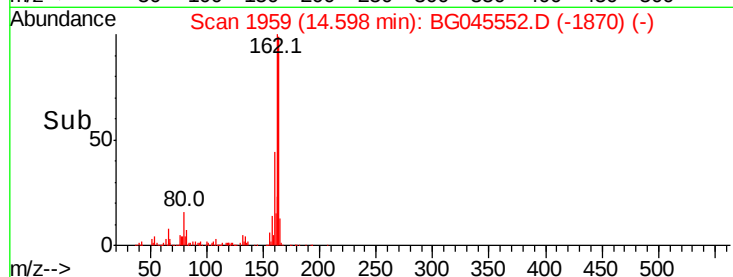
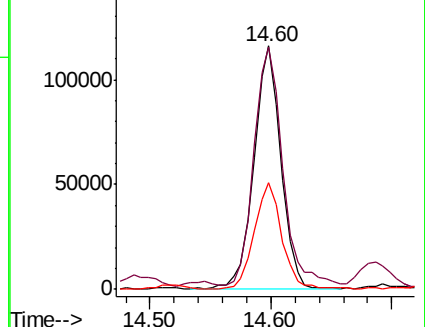
160 44.0 33.8 50.8



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: 17.009 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

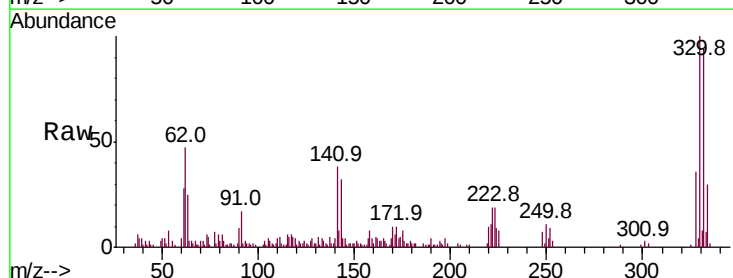
Tgt Ion:330 Resp: 38885

Ion Ratio Lower Upper

330 100

332 95.1 78.2 117.4

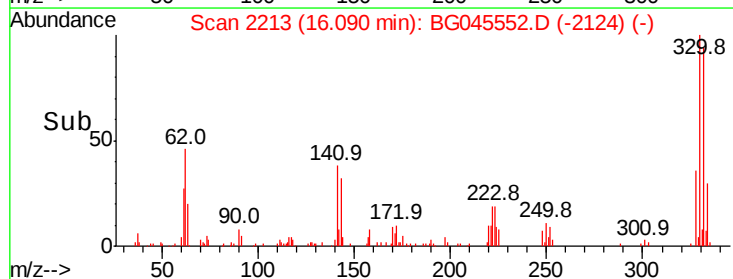
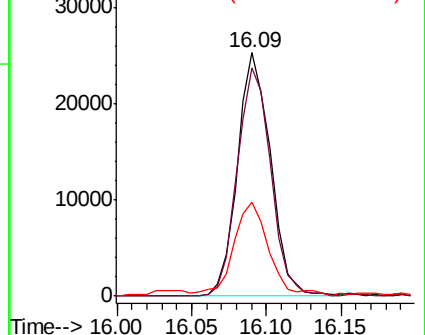
141 41.4 28.2 42.4

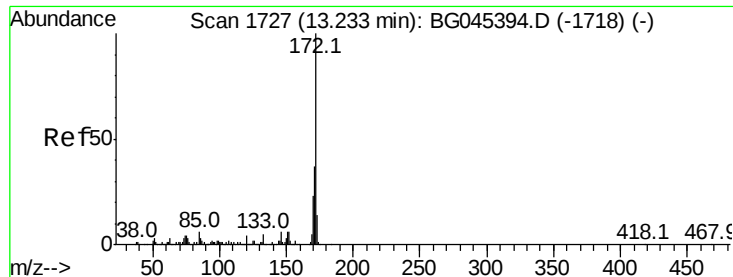


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 11.598 ng

RT: 13.22 min Scan# 1724

Delta R.T. -0.00 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

Instrument :

BNA_G

ClientSampleId :

C0AP4DL

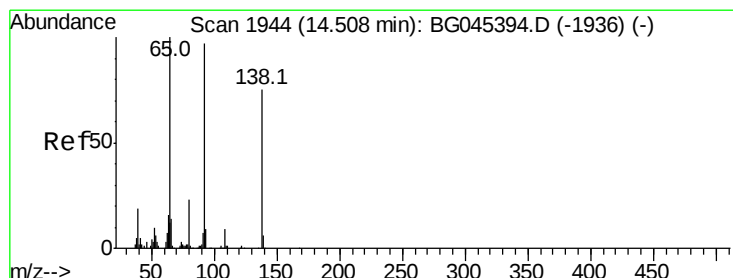
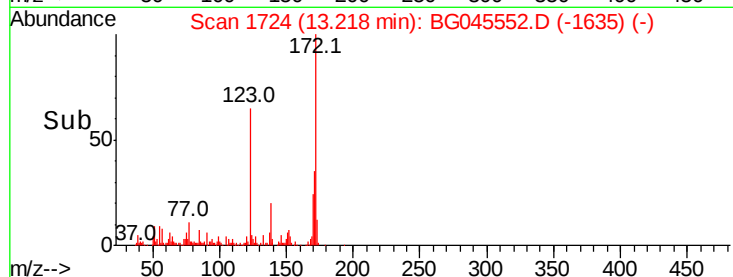
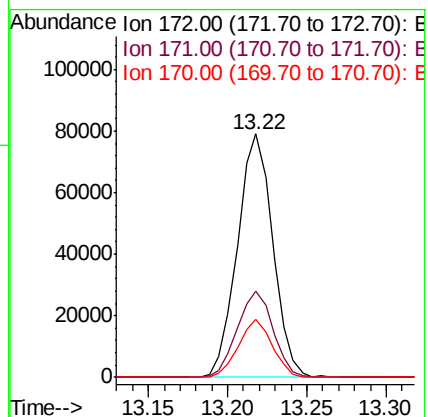
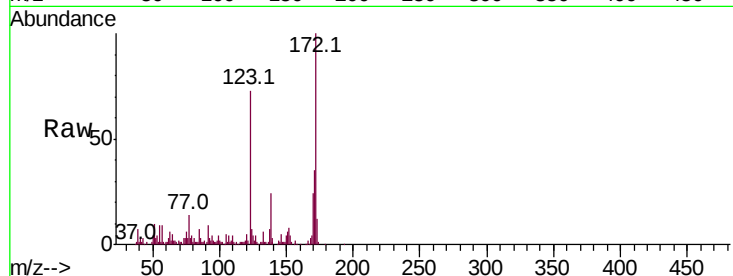
Tot Ion:172 Resp: 122235

Ion Ratio Lower Upper

172 100

171 35.3 29.5 44.3

170 24.0 18.5 27.7



#53

3-Nitroaniline

Concen: 4.264 ng

RT: 14.49 min Scan# 1941

Delta R.T. -0.02 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

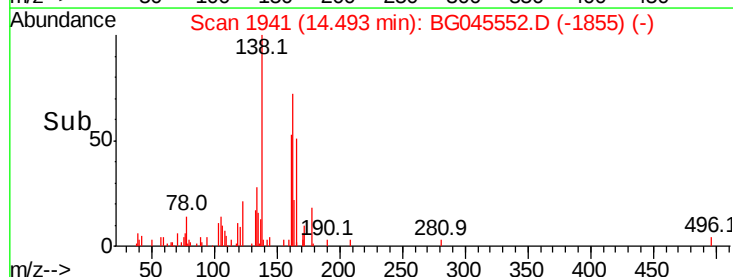
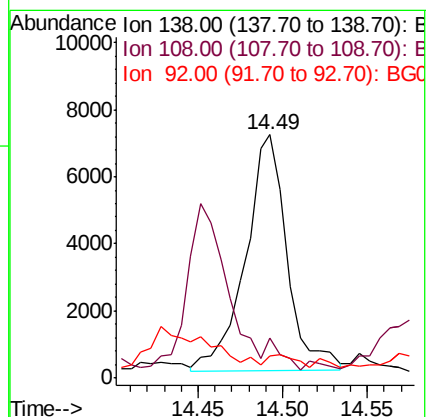
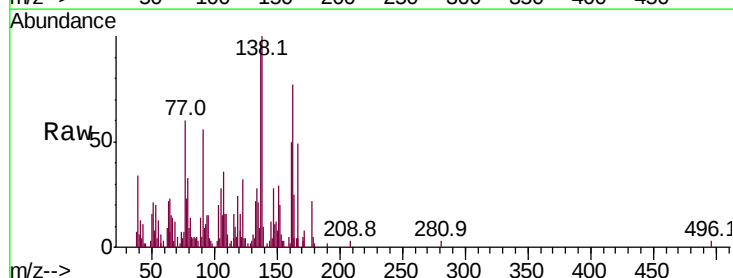
Tgt Ion:138 Resp: 11993

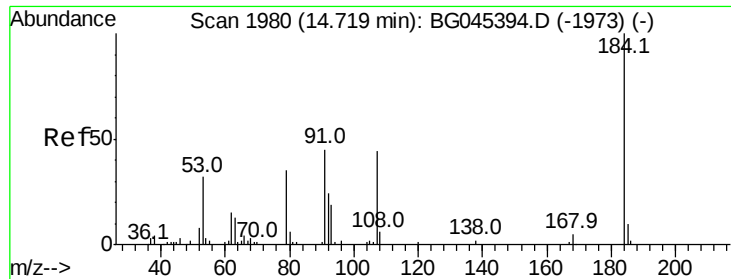
Ion Ratio Lower Upper

138 100

108 16.4 9.8 14.6#

92 9.2 103.0 154.4#

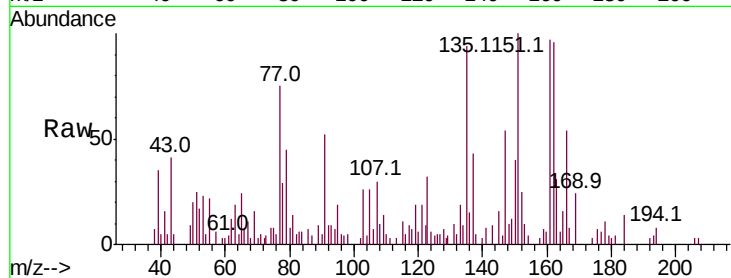




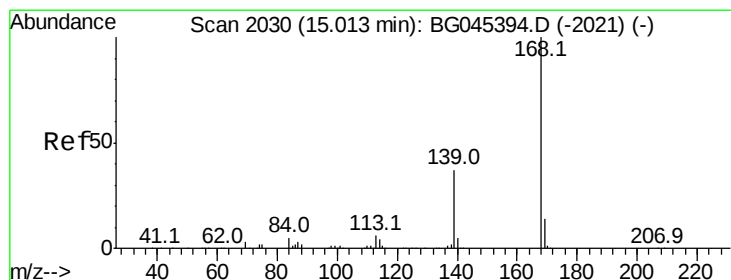
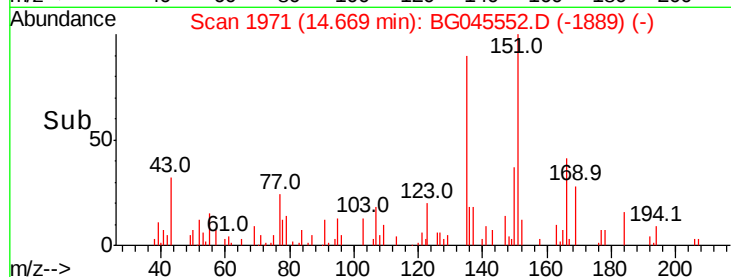
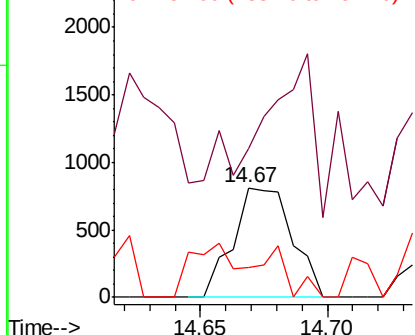
#54
 2,4-Dinitrophenol
 Concen: 6.132 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.05 min
 Lab File: BG045552.D
 Acq: 30 May 2020 12:41

Instrument :
 BNA_G
 ClientSampleId :
 C0AP4DL

Tot Ion:184 Resp: 1310
 Ion Ratio Lower Upper
 184 100
 63 135.6 47.8 71.6#
 154 27.3 58.3 87.5#

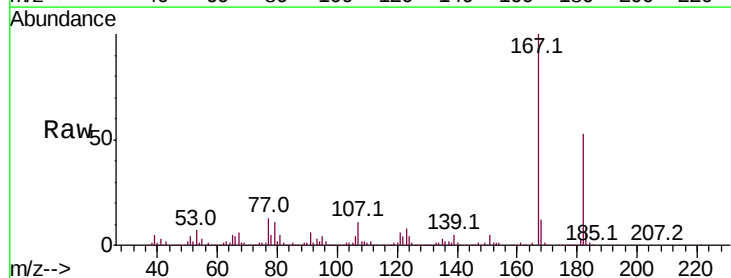


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

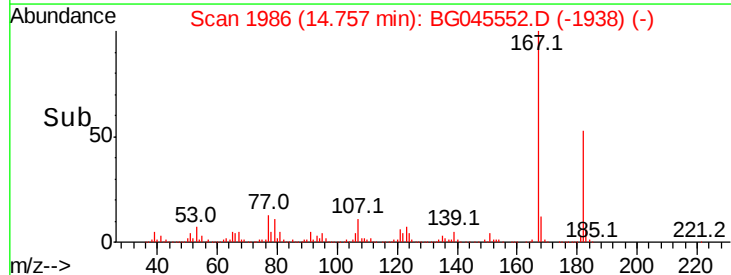
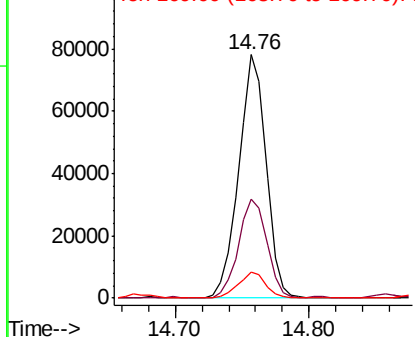


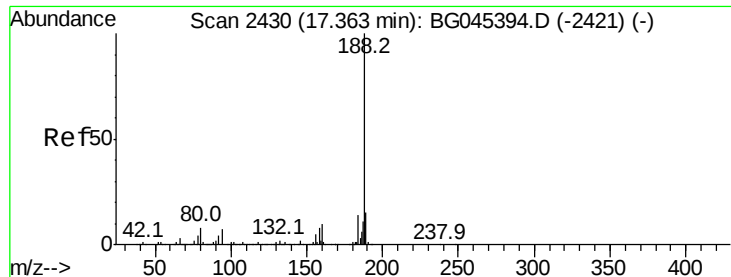
#55
 Dibenzofuran
 Concen: 7.760 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. -0.25 min
 Lab File: BG045552.D
 Acq: 30 May 2020 12:41

Tgt Ion:168 Resp: 110510
 Ion Ratio Lower Upper
 168 100
 139 40.6 29.9 44.9
 169 10.7 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# 2427

Delta R.T. 0.00 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

Instrument :

BNA_G

ClientSampleId :

C0AP4DL

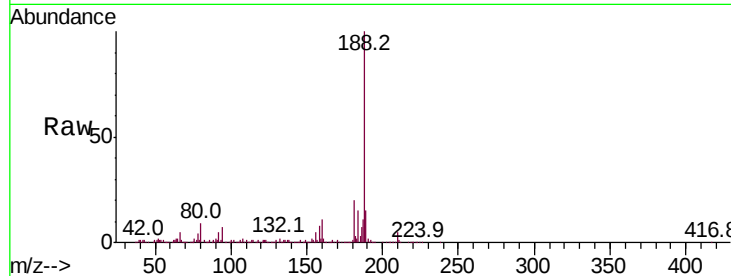
Tot Ion:188 Resp: 414973

Ion Ratio Lower Upper

188 100

94 7.4 5.5 8.3

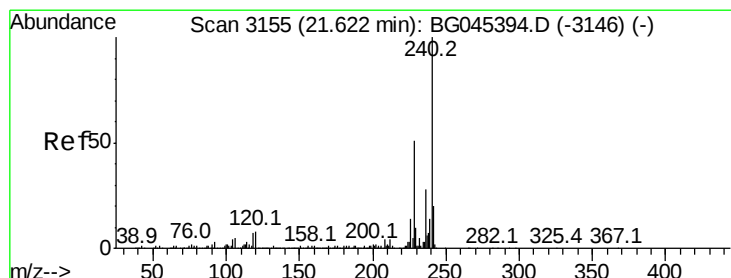
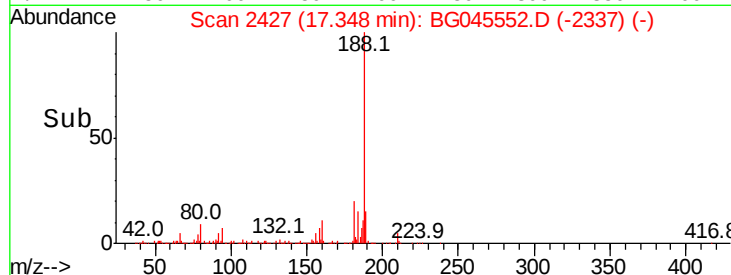
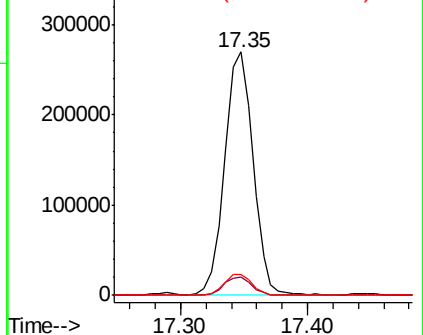
80 8.7 6.6 10.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

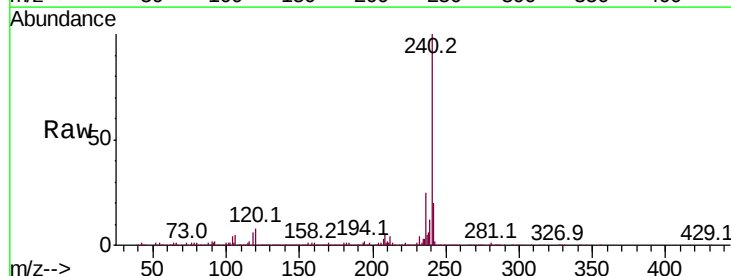
Tgt Ion:240 Resp: 414996

Ion Ratio Lower Upper

240 100

120 7.5 6.1 9.1

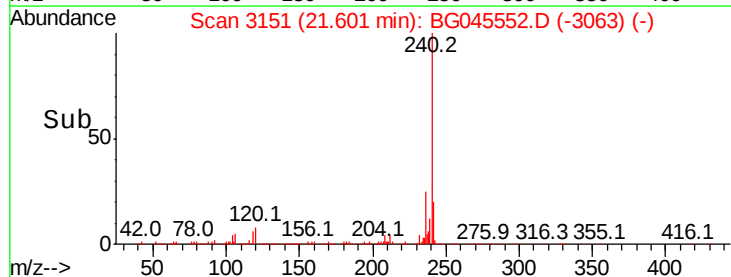
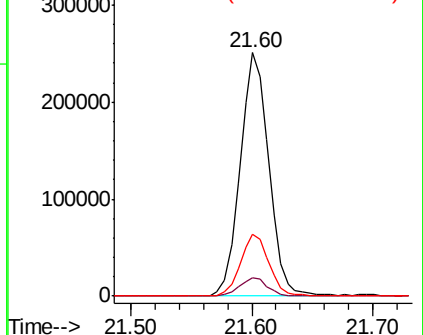
236 25.2 22.3 33.5

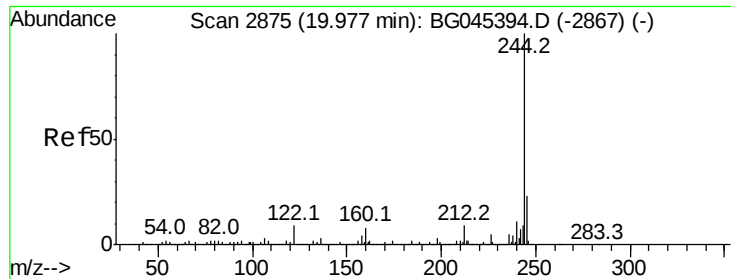


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 12.971 ng

RT: 19.96 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

Instrument :

BNA_G

ClientSampleId :

C0AP4DL

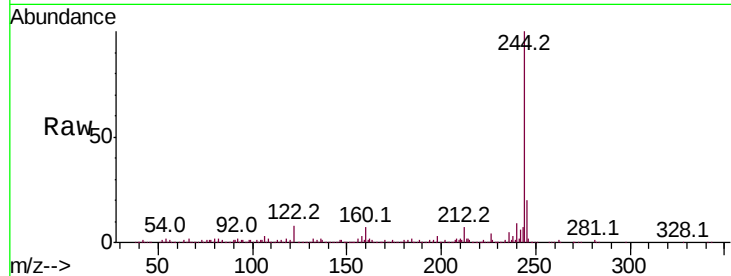
Tot Ion:244 Resp: 230807

Ion Ratio Lower Upper

244 100

212 7.4 7.4 11.0

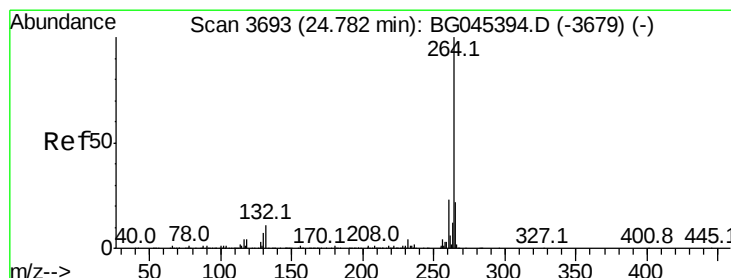
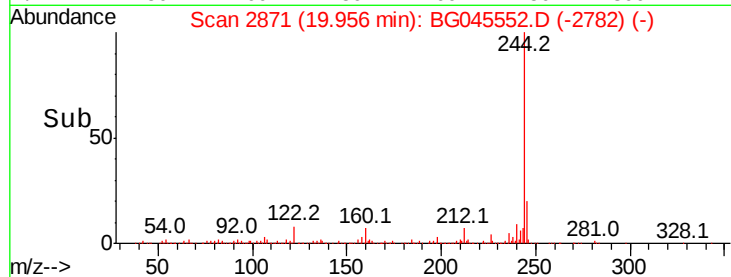
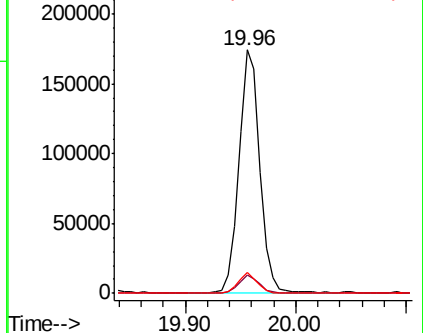
122 8.4 6.8 10.2



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

Perylene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3687

Delta R.T. -0.00 min

Lab File: BG045552.D

Acq: 30 May 2020 12:41

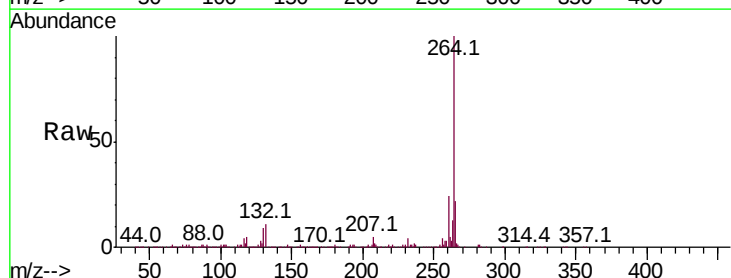
Tgt Ion:264 Resp: 446607

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 21.8 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

