

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
 Data File : BG045337.D
 Acq On : 12 May 2020 20:26
 Operator : CG/JU
 Sample : L2571-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 13 01:04:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 12 15:48:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	70943	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	265222	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	187688	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	435881	20.00	ng	0.00
76) Chrysene-d12	21.62	240	439139	20.00	ng	0.00
87) Perylene-d12	24.79	264	466126	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	505346	117.60	ng	0.00
7) Phenol-d6	7.14	99	640932	100.39	ng	0.00
23) Nitrobenzene-d5	9.13	82	532626	91.63	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	396637	136.79	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1145963	89.53	ng	0.00
79) Terphenyl-d14	19.98	244	1997806	99.16	ng	0.00

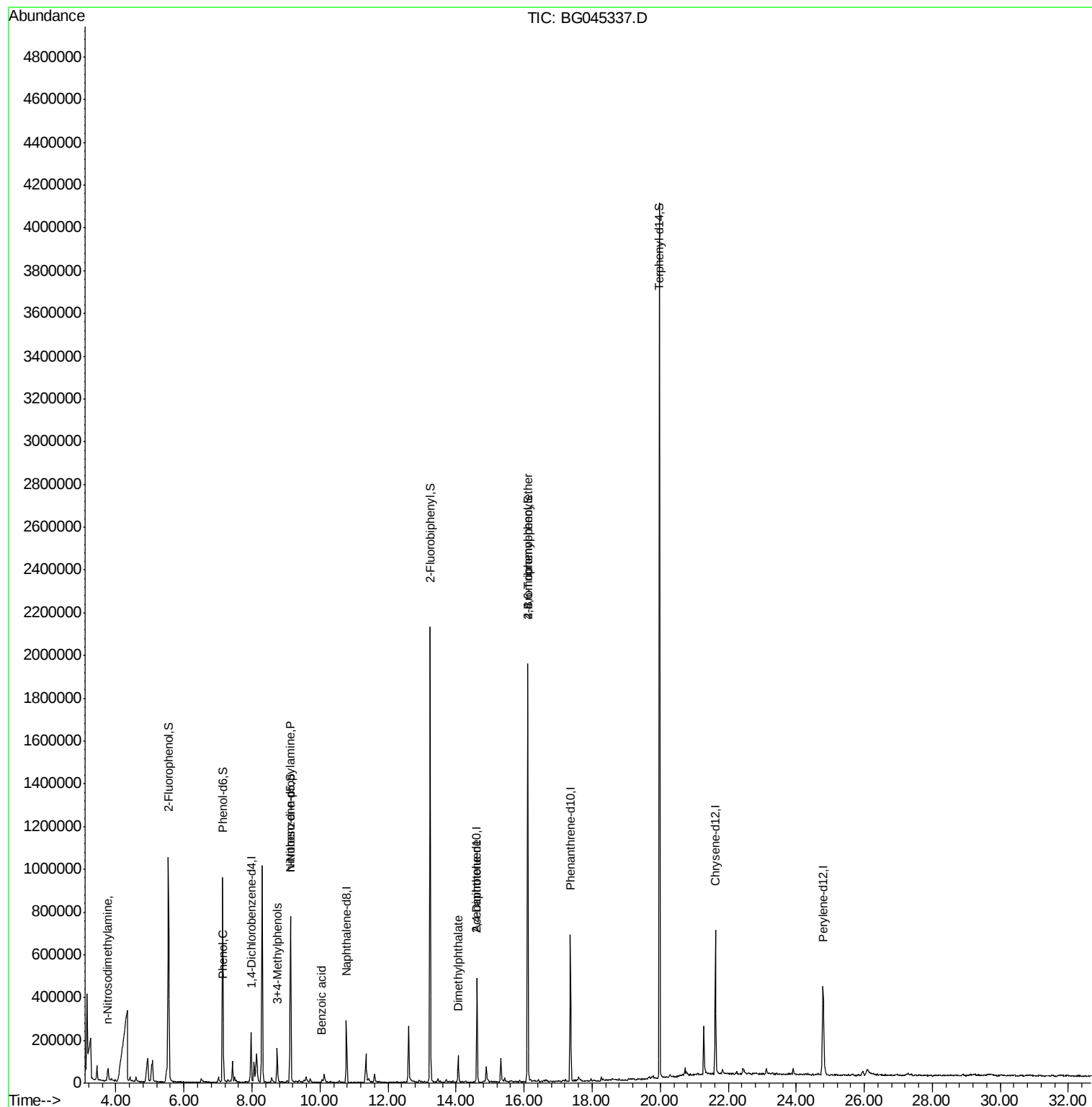
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.77	42	7457	4.140	ng	# 1
9) Benzaldehyde	7.11	77	457	Below Cal		# 49
10) Phenol	7.17	94	14486	2.267	ng	# 63
19) n-Nitroso-di-n-propylamine	9.13	70	70490	15.612	ng	# 81
20) 3+4-Methylphenols	8.74	107	78975	11.446	ng	# 91
32) Benzoic acid	10.06	122	6832	8.175	ng	# 85
50) Dimethylphthalate	14.06	163	79670	5.213	ng	# 99
57) 2,4-Dinitrotoluene	14.61	165	24299	4.864	ng	# 22
67) 4-Bromophenyl-phenylether	16.11	248	28220	5.018	ng	# 1
69) Atrazine	16.77	200	55	Below Cal		# 35
74) Di-n-butylphthalate	18.33	149	5149	Below Cal		# 95
75) Fluoranthene	19.56	202	58	Below Cal		# 62
77) Benzidine	19.98	184	38699	Below Cal		# 94

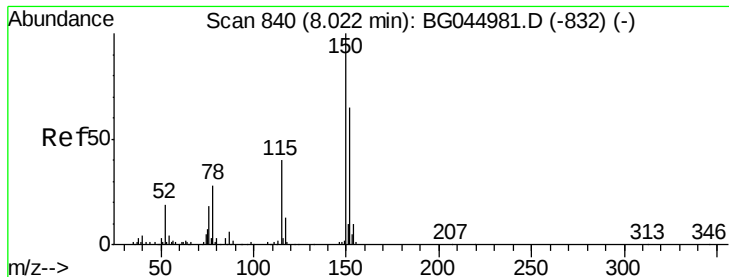
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045337.D
Acq On : 12 May 2020 20:26
Operator : CG/JU
Sample : L2571-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: May 13 01:04:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 12 15:48:20 2020
Response via : Initial Calibration



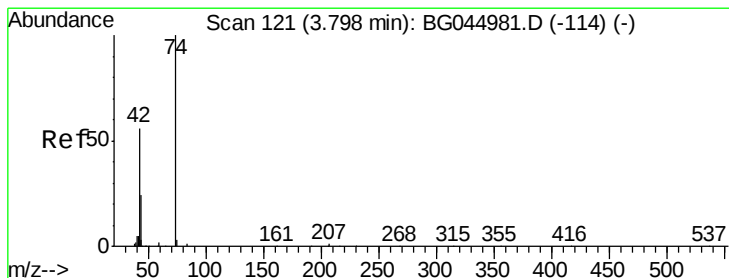
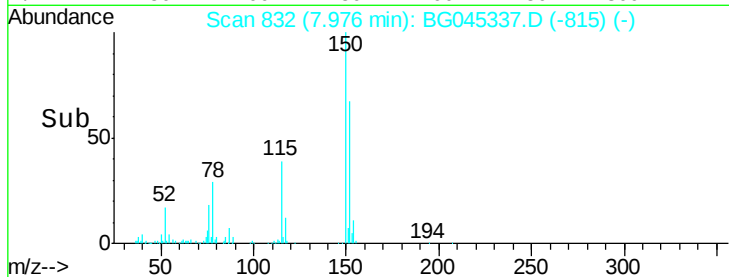
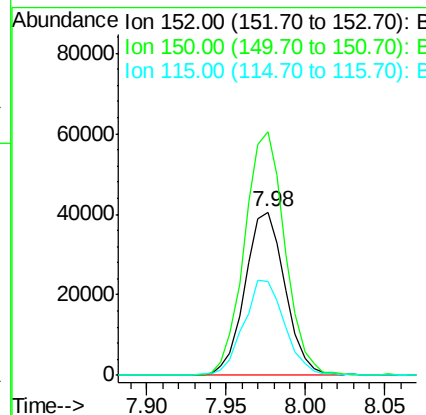
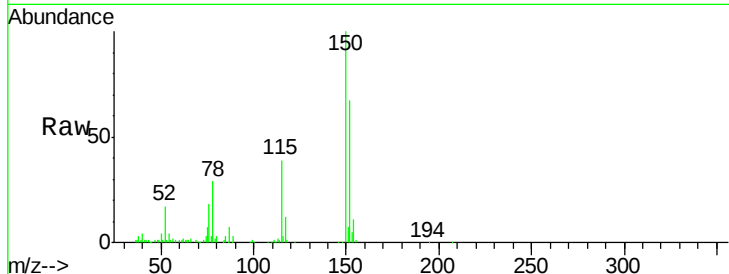


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BG045337.D
Acq: 12 May 2020 20:26

Instrument :
BNA_G
ClientSampleId :

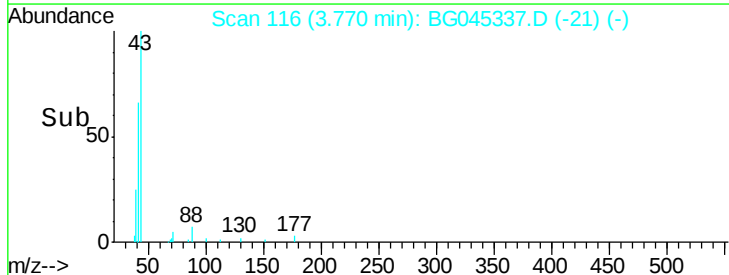
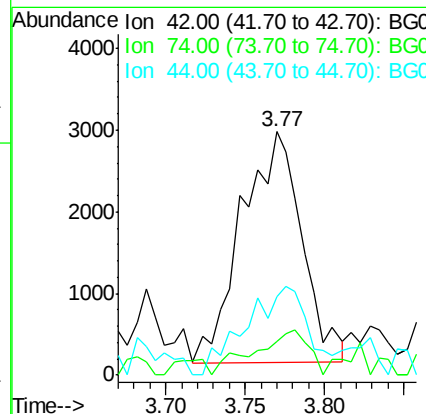
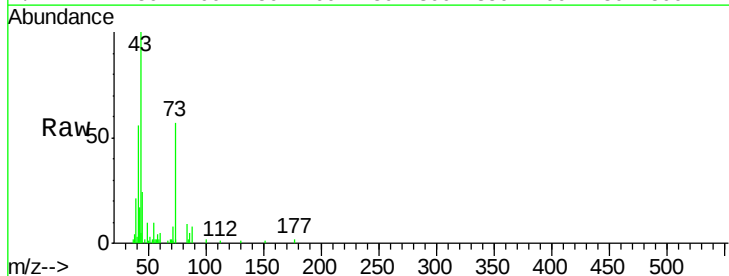
Tot Ion:152 Resp: 70943
Ion Ratio Lower Upper
152 100
150 149.2 123.6 185.4
115 57.7 49.1 73.7

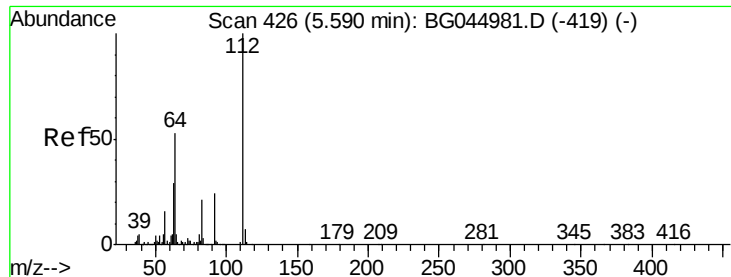


#4

n-Nitrosodimethylamine
Concen: 4.140 ng
RT: 3.77 min Scan# 116
Delta R.T. 0.03 min
Lab File: BG045337.D
Acq: 12 May 2020 20:26

Tgt Ion: 42 Resp: 7457
Ion Ratio Lower Upper
42 100
74 13.7 143.0 214.6#
44 32.2 4.6 6.8#





#5

2-Fluorophenol

Concen: 117.601 ng

RT: 5.54 min Scan# 418

Delta R.T. 0.00 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

Instrument :

BNA_G

ClientSampleId :

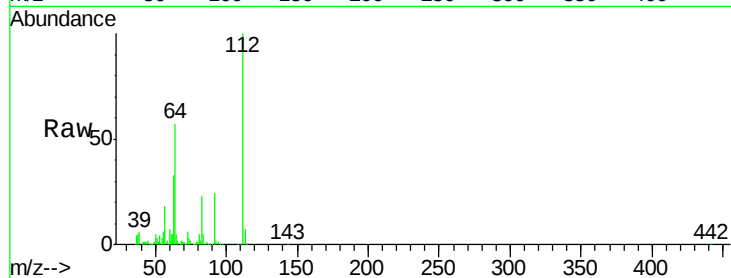
Tot Ion:112 Resp: 505346

Ion Ratio Lower Upper

112 100

64 57.4 42.4 63.6

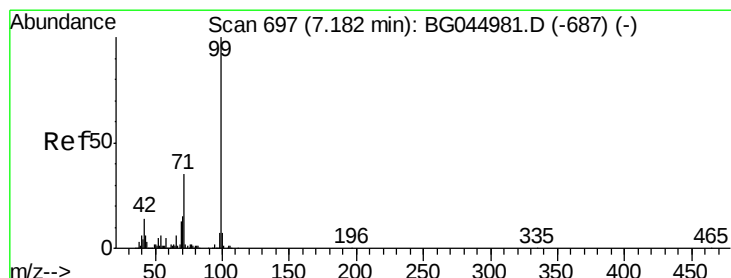
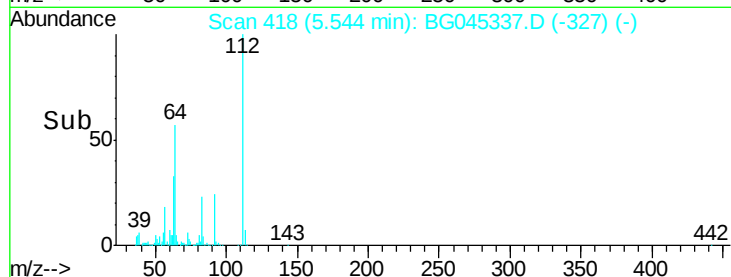
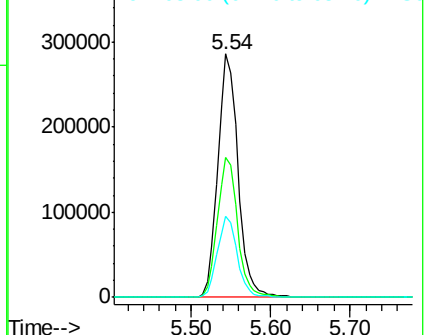
63 33.3 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 100.390 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

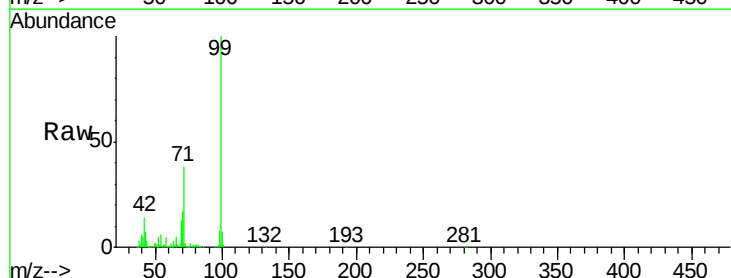
Tgt Ion: 99 Resp: 640932

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

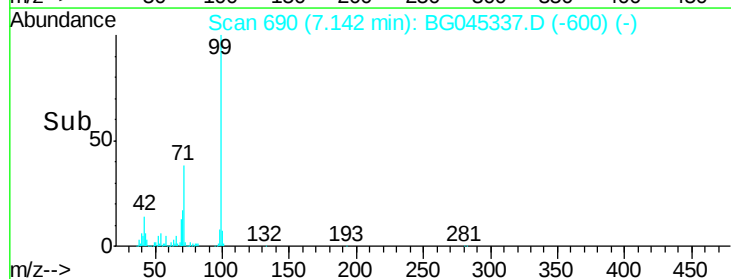
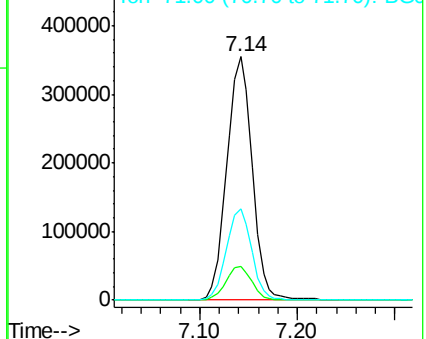
71 37.7 28.3 42.5

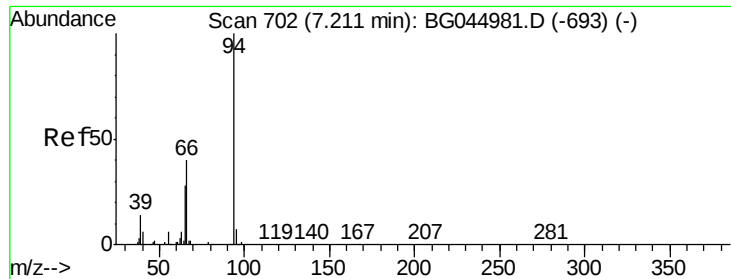


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.267 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

Instrument :

BNA_G

ClientSampleId :

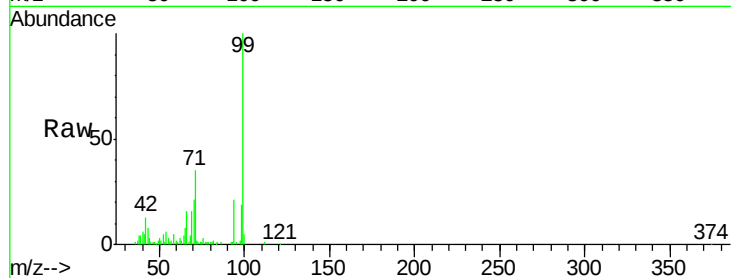
Tot Ion: 94 Resp: 14486

Ion Ratio Lower Upper

94 100

65 36.2 8.2 48.2

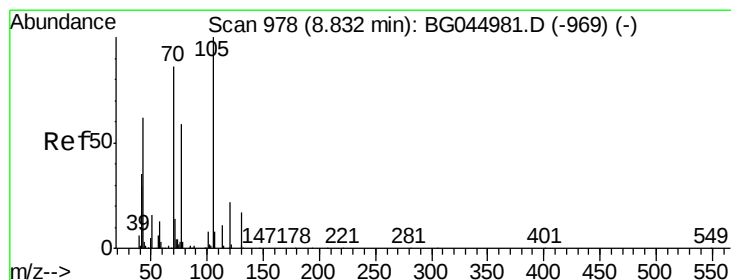
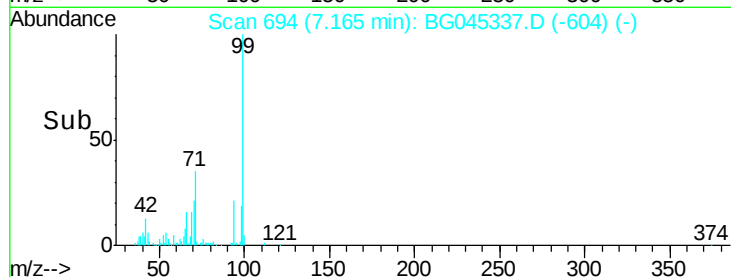
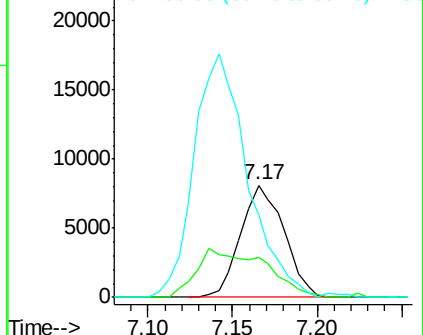
66 73.1 20.4 60.4#



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.612 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.35 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

Tgt Ion: 70 Resp: 70490

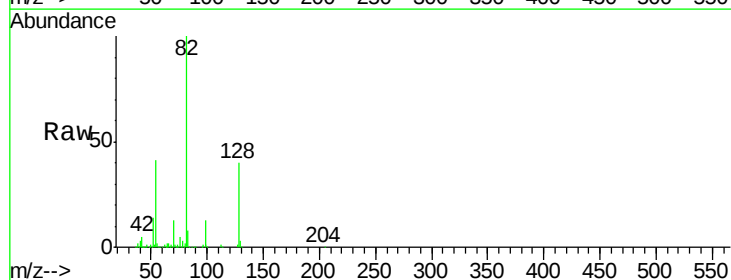
Ion Ratio Lower Upper

70 100

42 36.8 33.3 49.9

101 0.0 7.8 11.8#

130 2.0 15.8 23.6#

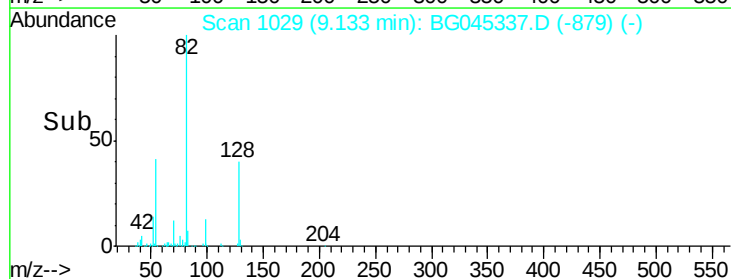
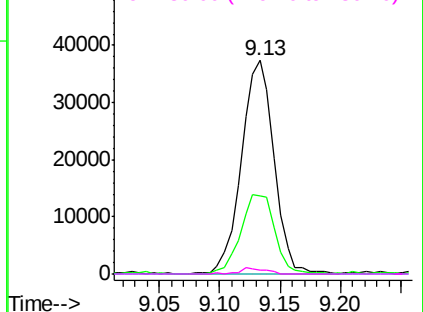


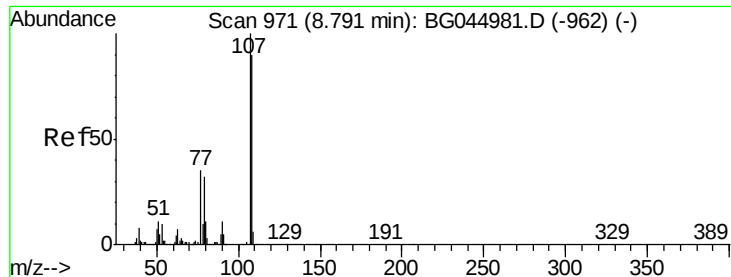
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#20

3+4-Methylphenols

Concen: 11.446 ng

RT: 8.74 min Scan# 962

Delta R.T. -0.01 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 78975

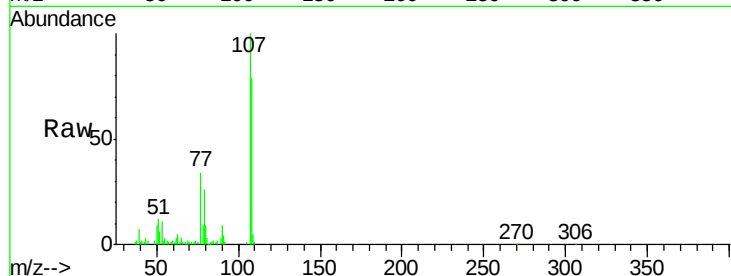
Ion Ratio Lower Upper

107 100

108 78.6 69.9 109.9

77 33.9 15.2 55.2

79 25.9 11.6 51.6

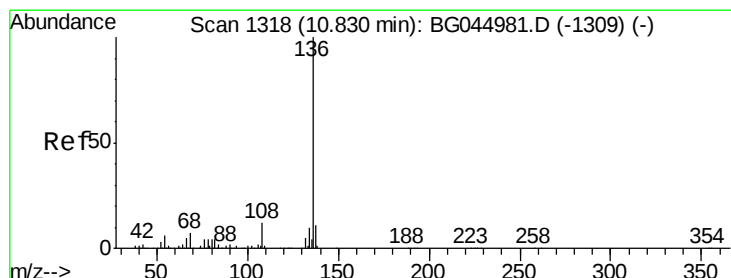
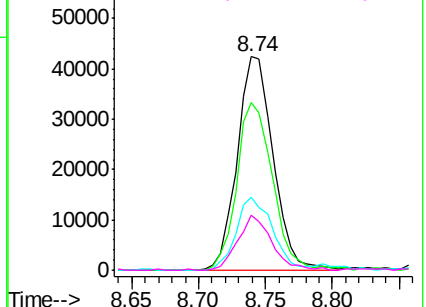
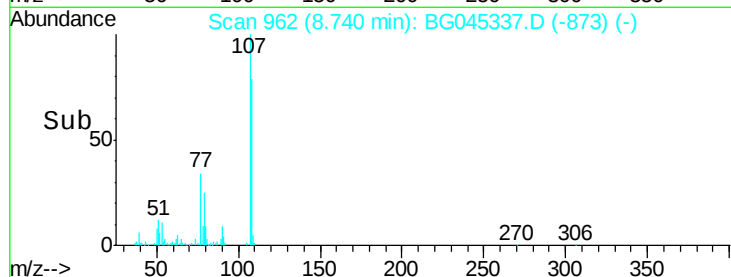


Abundance Ion 107.00 (106.70 to 107.70): E

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: 10.78 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

Tgt Ion:136 Resp: 265222

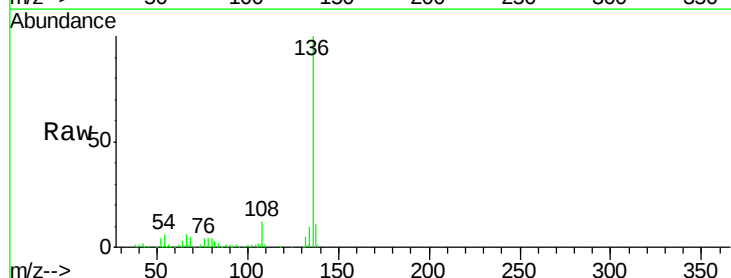
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 6.4 4.8 7.2

68 5.3 5.2 7.8

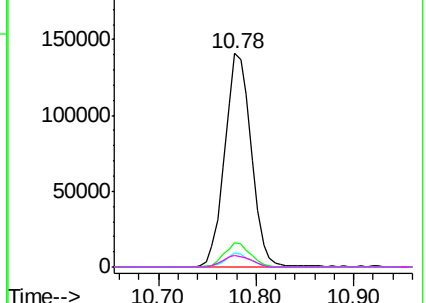
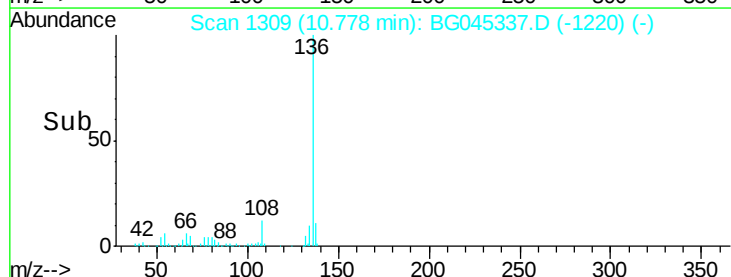


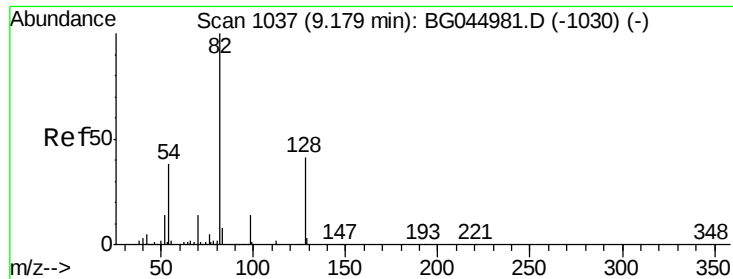
Abundance Ion 136.00 (135.70 to 136.70): E

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

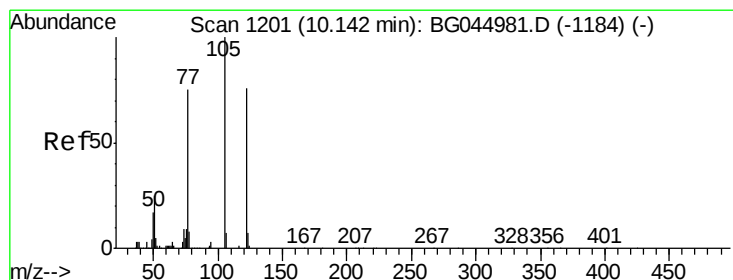
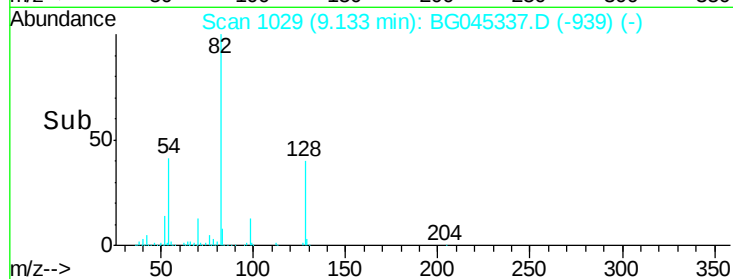
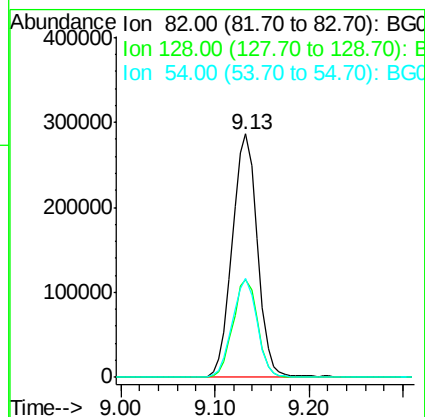
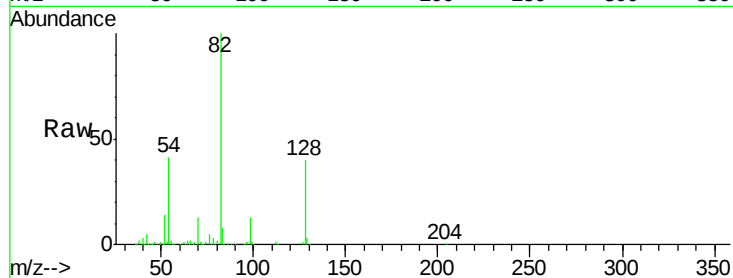




#23
Nitrobenzene-d5
Concen: 91.633 ng
RT: 9.13 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BG045337.D
Acq: 12 May 2020 20:26

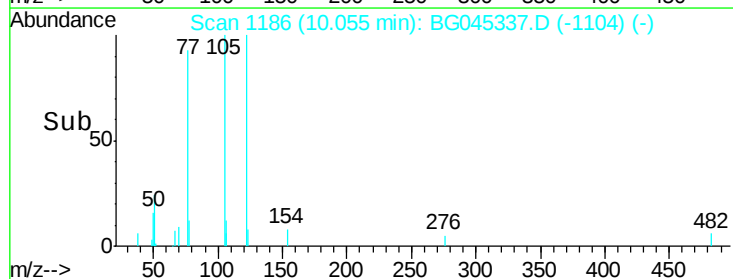
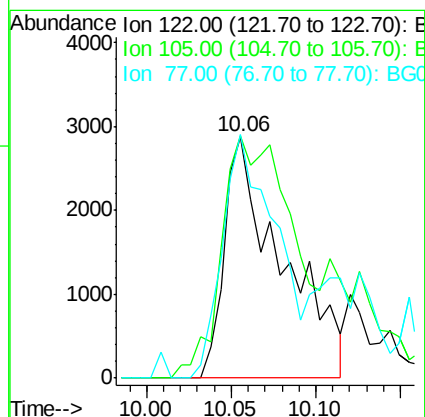
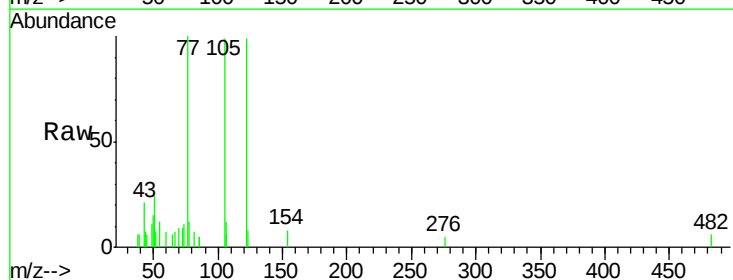
Instrument :
BNA_G
ClientSampleId :

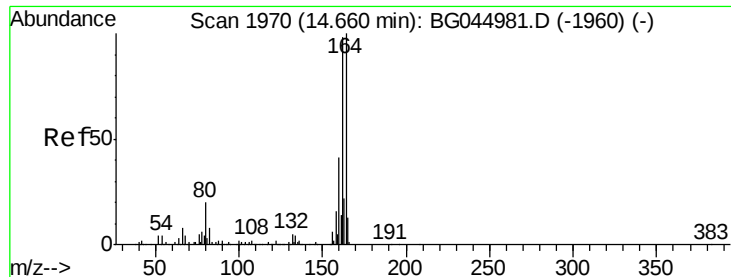
Tot Ion: 82 Resp: 532626
Ion Ratio Lower Upper
82 100
128 40.2 33.0 49.4
54 40.6 30.4 45.6



#32
Benzoic acid
Concen: 8.175 ng
RT: 10.06 min Scan# 1186
Delta R.T. -0.05 min
Lab File: BG045337.D
Acq: 12 May 2020 20:26

Tgt Ion: 122 Resp: 6832
Ion Ratio Lower Upper
122 100
105 100.2 108.4 148.4#
77 100.8 78.8 118.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

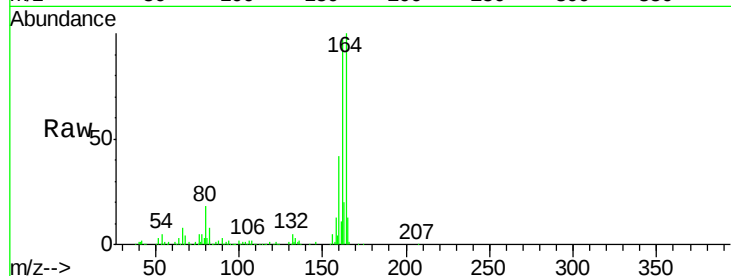
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 187688

Ion	Ratio	Lower	Upper
164	100		
162	97.1	78.7	118.1
160	42.2	32.8	49.2

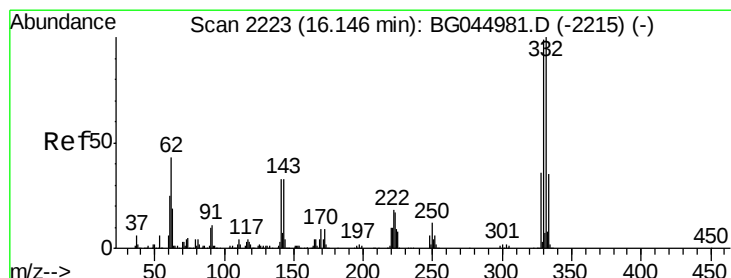
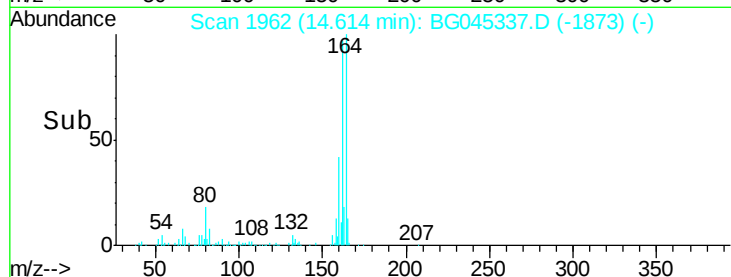
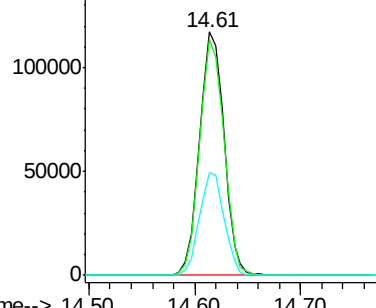


Abundance

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: 136.793 ng

RT: 16.11 min Scan# 2216

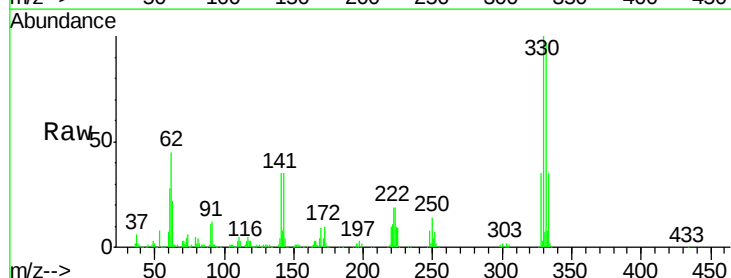
Delta R.T. -0.00 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

Tgt Ion:330 Resp: 396637

Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.1	118.7
141	34.7	27.1	40.7

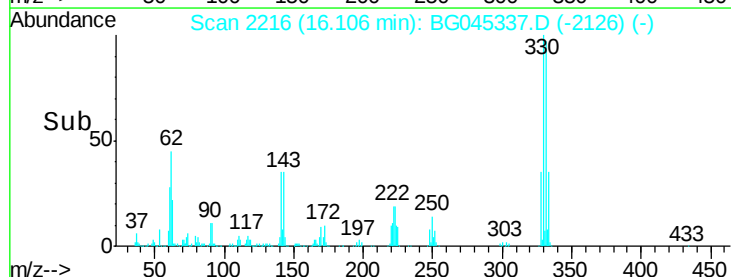
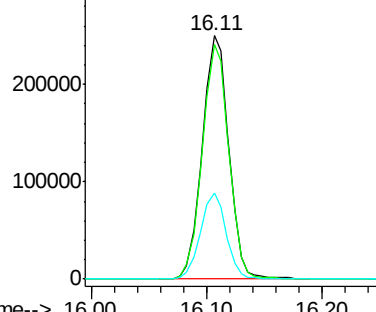


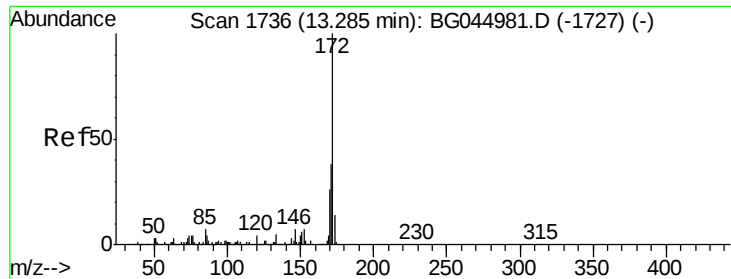
Abundance

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

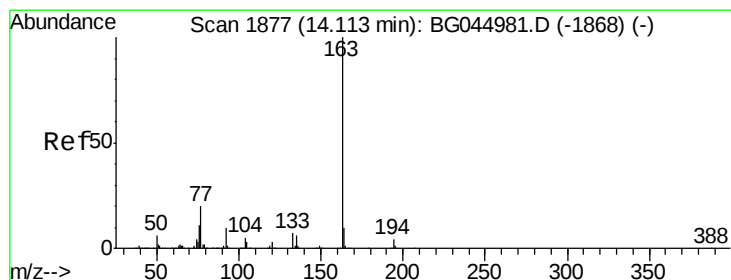
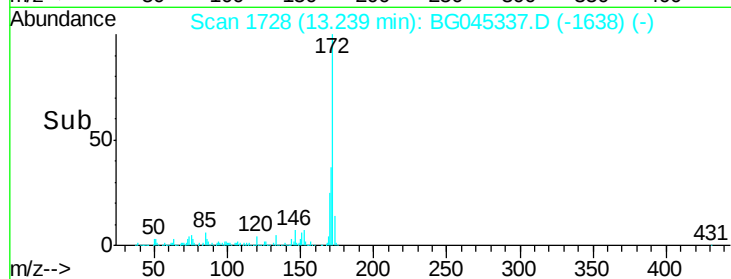
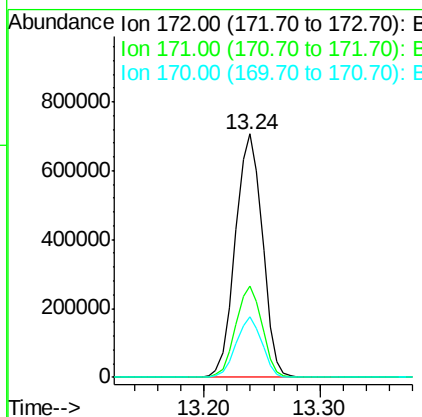
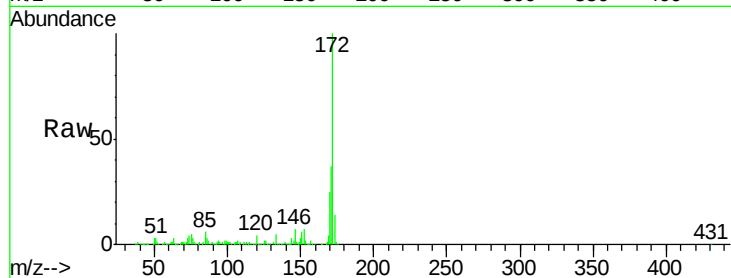




#45
2-Fluorobiphenyl
Concen: 89.529 ng
RT: 13.24 min Scan# 1728
Delta R.T. -0.00 min
Lab File: BG045337.D
Acq: 12 May 2020 20:26

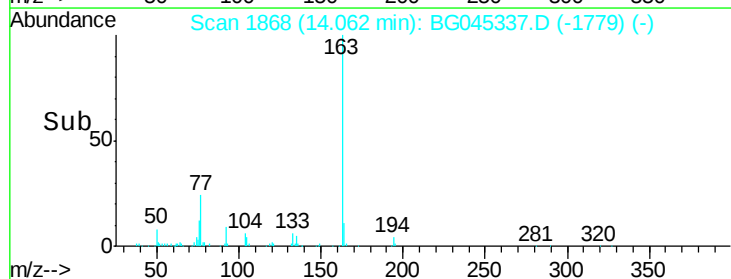
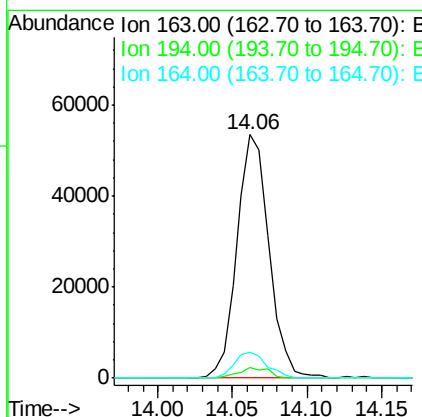
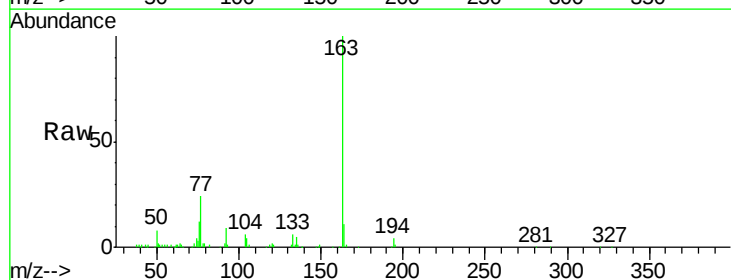
Instrument :
BNA_G
ClientSampleId :

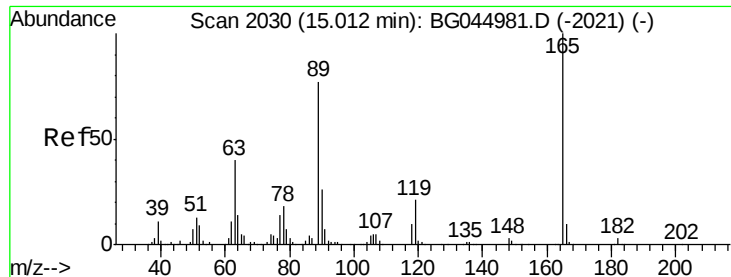
Tot Ion:172 Resp: 1145963
Ion Ratio Lower Upper
172 100
171 37.4 30.6 46.0
170 24.6 20.5 30.7



#50
Dimethylphthalate
Concen: 5.213 ng
RT: 14.06 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BG045337.D
Acq: 12 May 2020 20:26

Tgt Ion:163 Resp: 79670
Ion Ratio Lower Upper
163 100
194 4.3 3.5 5.3
164 10.7 8.2 12.4

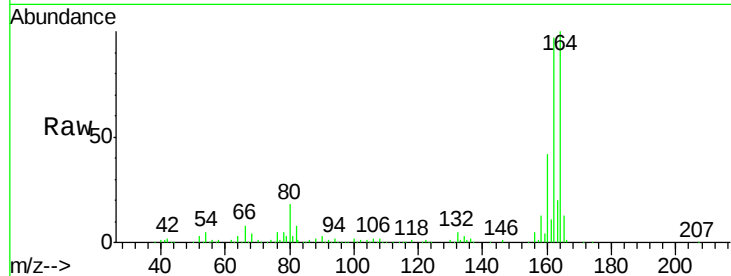




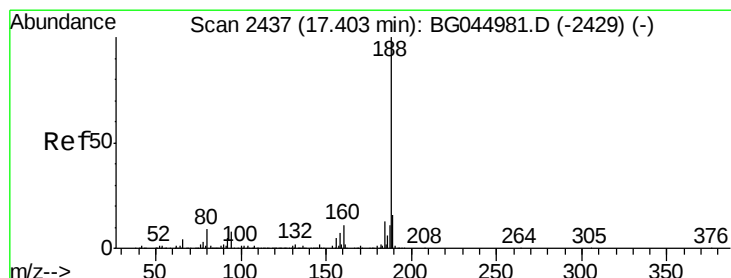
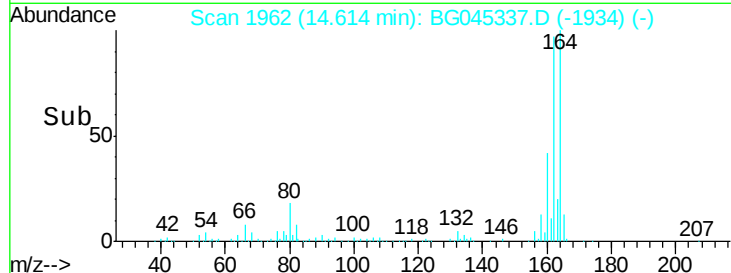
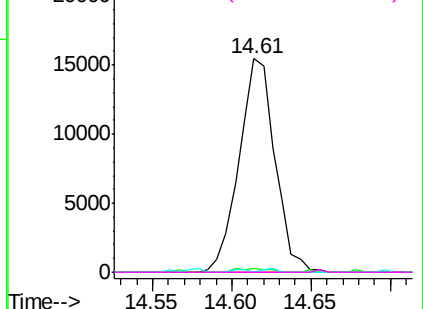
#57
 2,4-Dinitrotoluene
 Concen: 4.864 ng
 RT: 14.61 min Scan# 1962
 Delta R.T. -0.37 min
 Lab File: BG045337.D
 Acq: 12 May 2020 20:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 24299
 Ion Ratio Lower Upper
 165 100
 63 2.1 32.2 48.2#
 89 0.0 61.7 92.5#
 182 0.0 2.0 3.0#

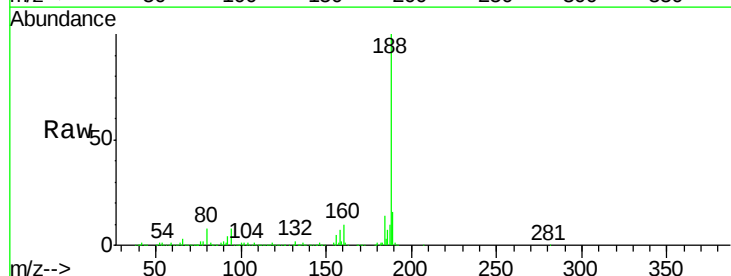


Abundance Ion 165.00 (164.70 to 165.70): E

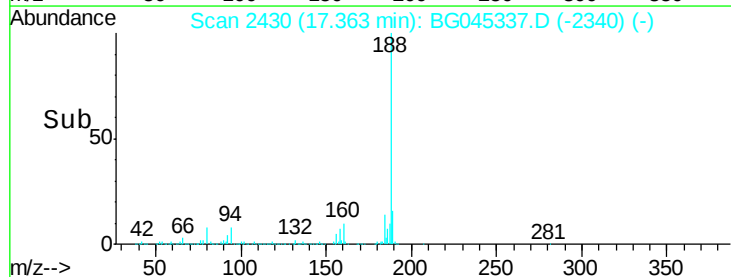
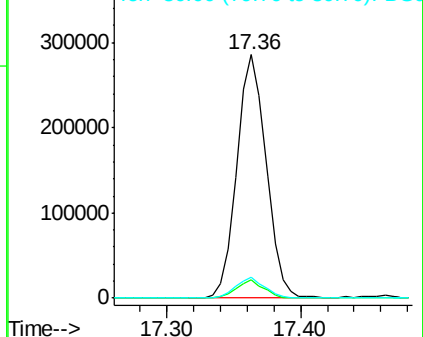


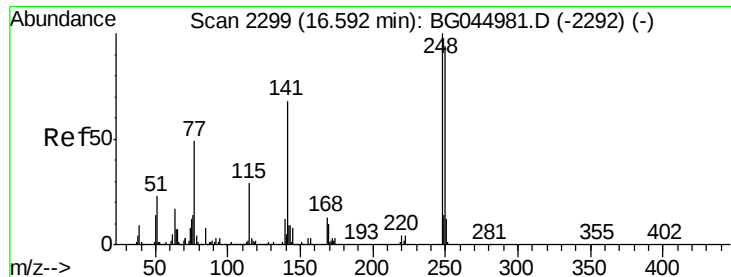
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.36 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG045337.D
 Acq: 12 May 2020 20:26

Tgt Ion:188 Resp: 435881
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.2 9.4
 80 8.4 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

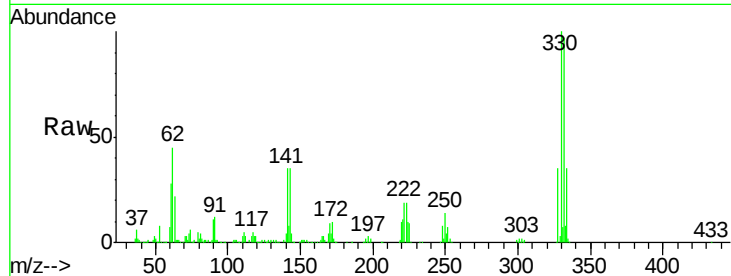




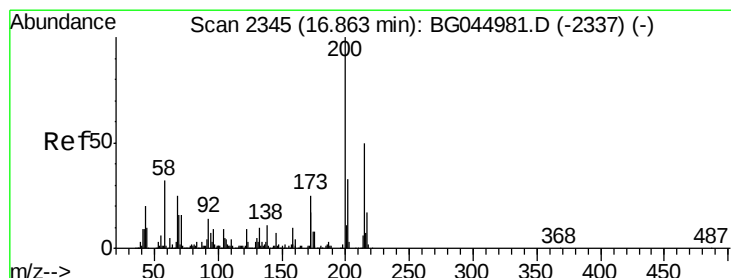
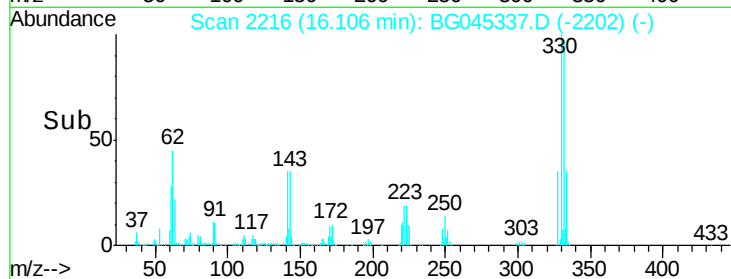
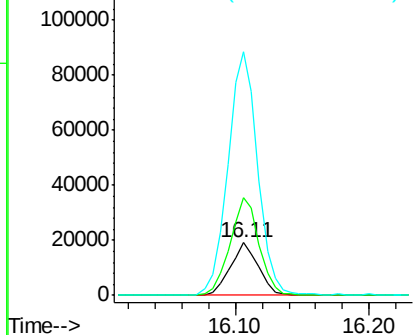
#67
 4-Bromophenyl-phenylether
 Concen: 5.018 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.45 min
 Lab File: BG045337.D
 Acq: 12 May 2020 20:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 28220
 Ion Ratio Lower Upper
 248 100
 250 184.6 75.4 113.2#
 141 462.7 54.4 81.6#

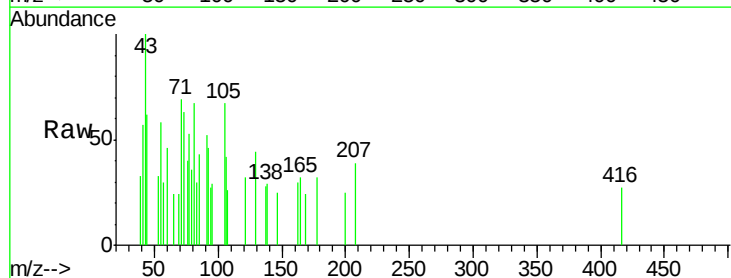


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

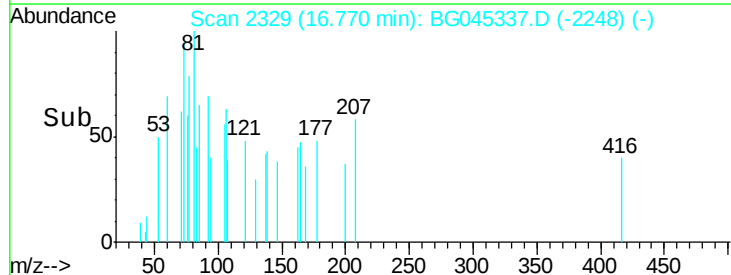
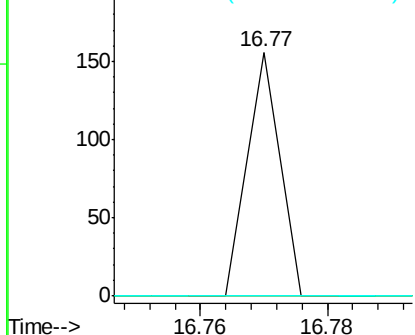


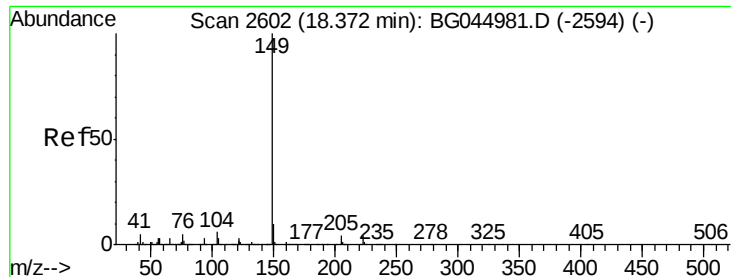
#69
 Atrazine
 Concen: Below Cal
 RT: 16.77 min Scan# 2329
 Delta R.T. -0.06 min
 Lab File: BG045337.D
 Acq: 12 May 2020 20:26

Tgt Ion:200 Resp: 55
 Ion Ratio Lower Upper
 200 100
 173 0.0 4.5 44.5#
 215 0.0 30.0 70.0#



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

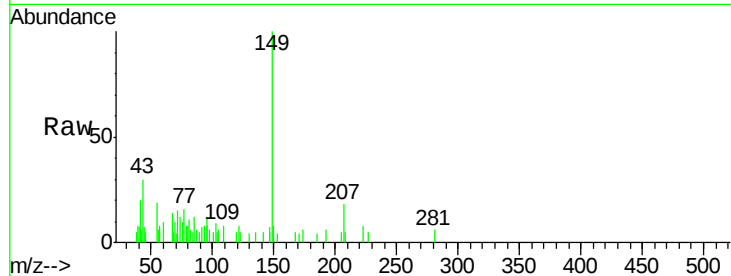




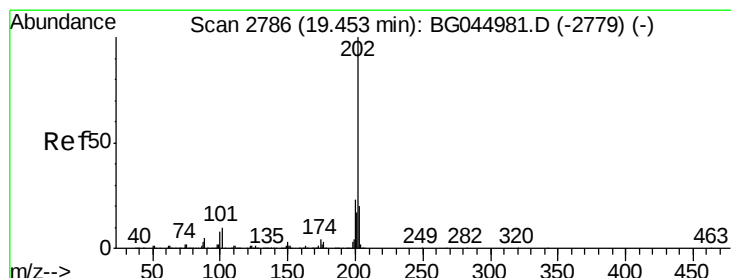
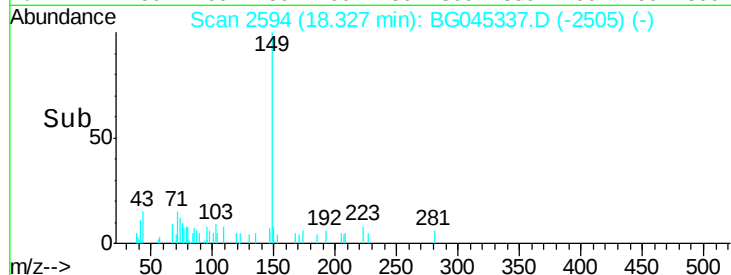
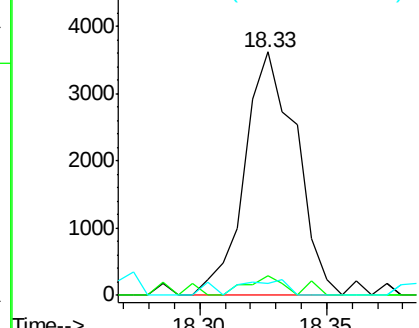
#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.33 min Scan# 2594
Delta R.T. -0.01 min
Lab File: BG045337.D
Acq: 12 May 2020 20:26

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
150	8.0	8.2	12.2#
104	4.9	4.8	7.2

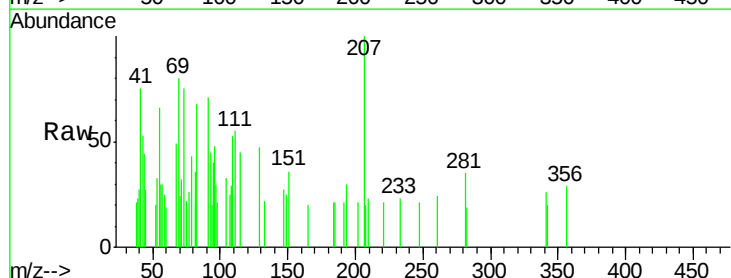


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

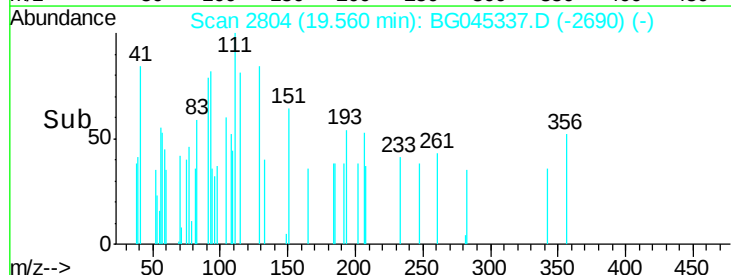
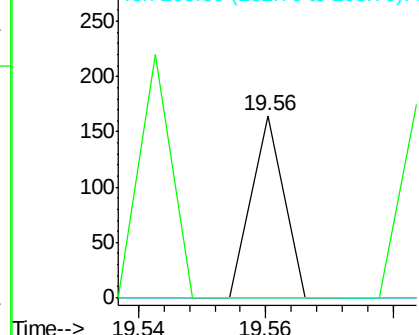


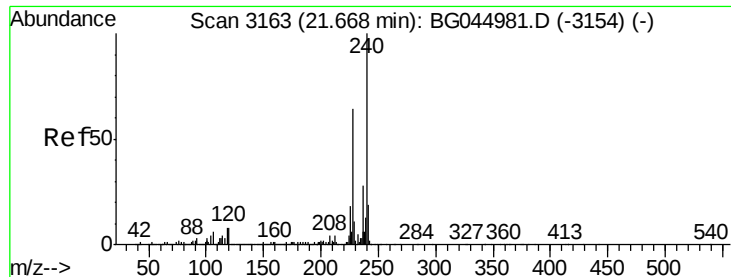
#75
Fluoranthene
Concen: Below Cal
RT: 19.56 min Scan# 2804
Delta R.T. 0.14 min
Lab File: BG045337.D
Acq: 12 May 2020 20:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

Instrument :

BNA_G

ClientSampleId :

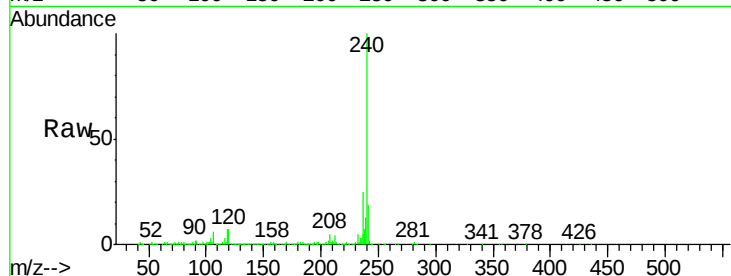
Tot Ion:240 Resp: 439139

Ion Ratio Lower Upper

240 100

120 7.1 6.6 10.0

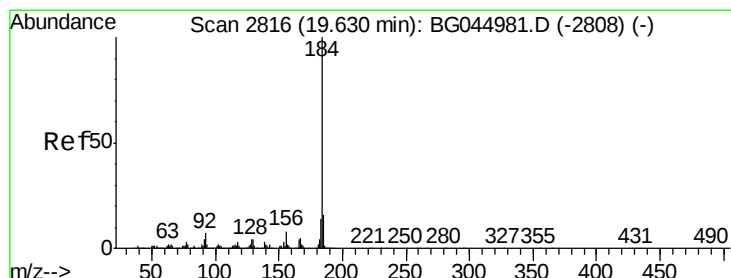
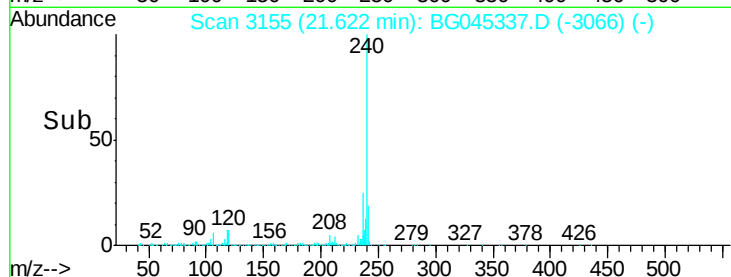
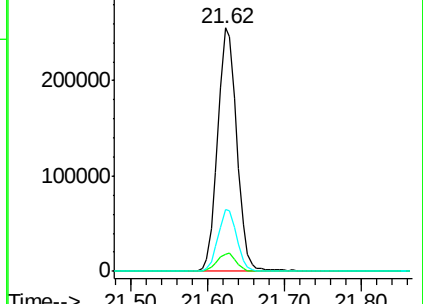
236 25.4 22.2 33.2



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: Below Cal

RT: 19.98 min Scan# 2875

Delta R.T. 0.38 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

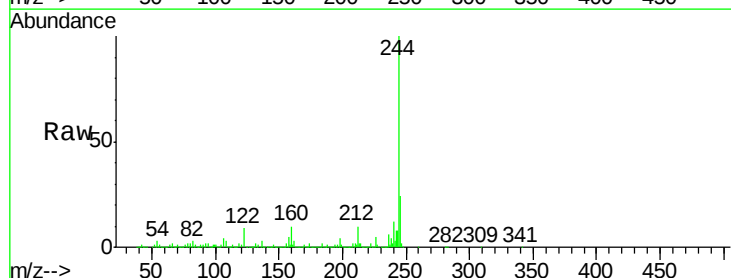
Tgt Ion:184 Resp: 38699

Ion Ratio Lower Upper

184 100

185 16.3 12.6 19.0

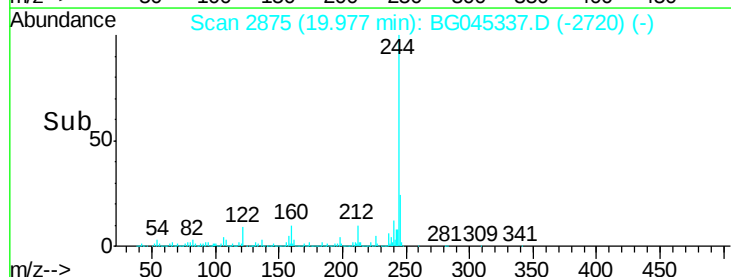
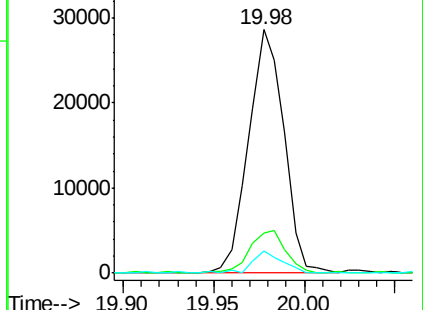
183 9.3 11.3 16.9#

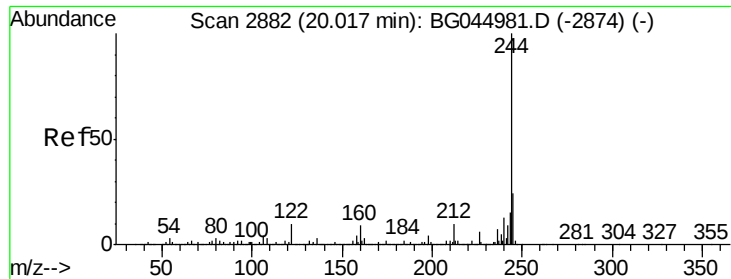


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 99.157 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

Instrument :

BNA_G

ClientSampleId :

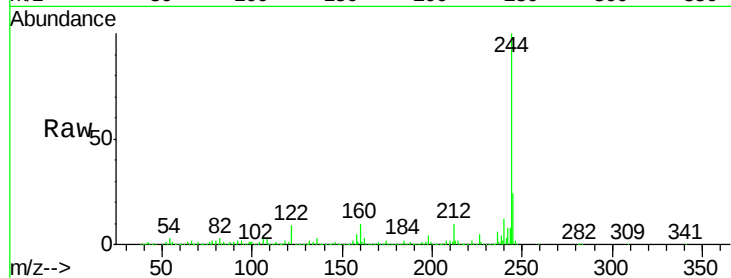
Tot Ion:244 Resp: 1997806

Ion Ratio Lower Upper

244 100

212 9.7 7.9 11.9

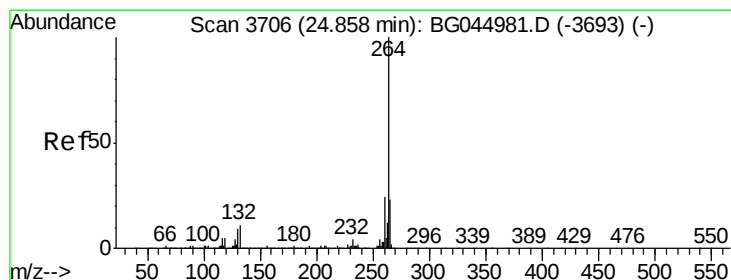
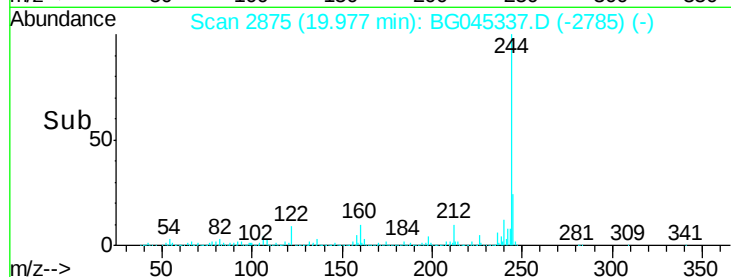
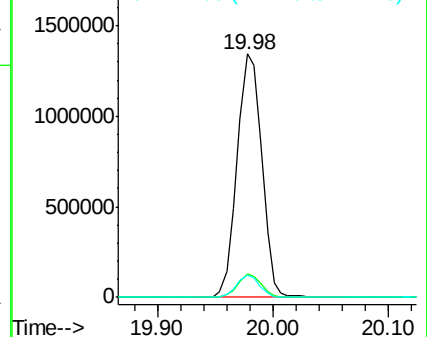
122 9.4 7.7 11.5



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: 24.79 min Scan# 3694

Delta R.T. -0.01 min

Lab File: BG045337.D

Acq: 12 May 2020 20:26

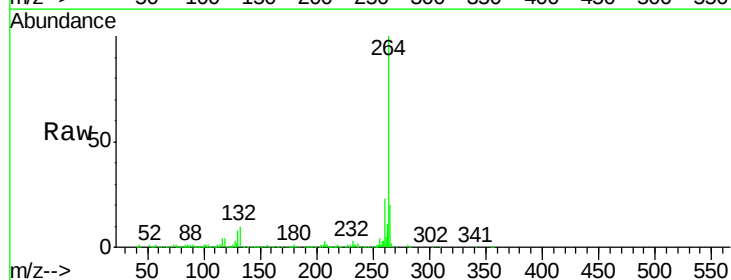
Tgt Ion:264 Resp: 466126

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 20.5 19.0 28.4



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

