

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045075.D
 Acq On : 18 Apr 2020 20:21
 Operator : CG/JU
 Sample : L2283-05
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PA-4

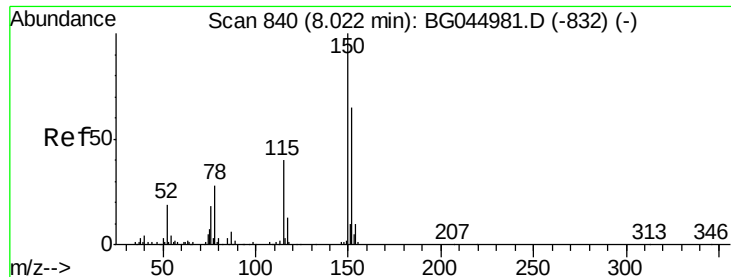
Quant Time: Apr 20 00:23:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	57833	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	249537	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	199540	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	478363	20.00	ng	0.00
76) Chrysene-d12	21.66	240	444866	20.00	ng	0.00
87) Perylene-d12	24.84	264	483407	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	301158	85.97	ng	0.00
7) Phenol-d6	7.18	99	491360	94.41	ng	0.00
23) Nitrobenzene-d5	9.18	82	343679	62.84	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	307146	99.64	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	885313	65.06	ng	0.00
79) Terphenyl-d14	20.01	244	1516142	74.28	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	1227	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	46786	12.711 ng	#	83
32) Benzoic acid	10.35	122	114	6.406 ng	#	1
50) Dimethylphthalate	14.10	163	146055	8.989 ng		99
57) 2,4-Dinitrotoluene	14.65	165	26791	5.045 ng	#	21
67) 4-Bromophenyl-phenylether	16.14	248	21948	3.556 ng	#	1
69) Atrazine	16.95	200	75	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	1041	Below Cal	#	73
75) Fluoranthene	19.45	202	1422	Below Cal		84
77) Benzidine	20.01	184	27109	Below Cal	#	87

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

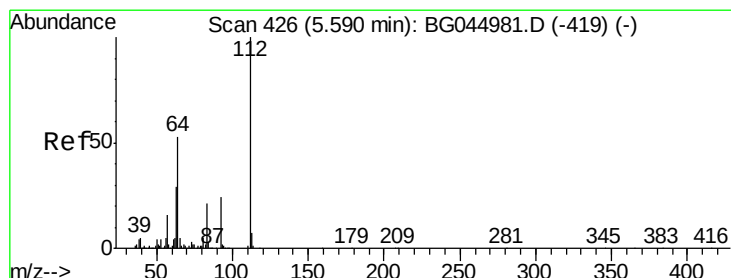
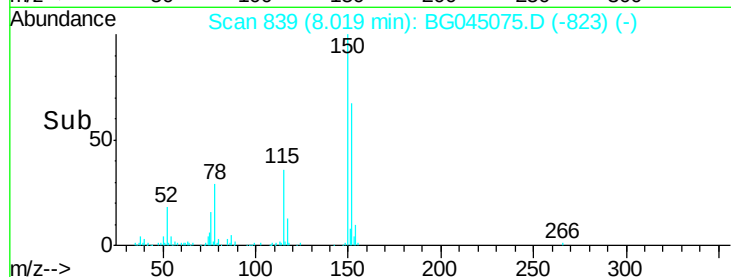
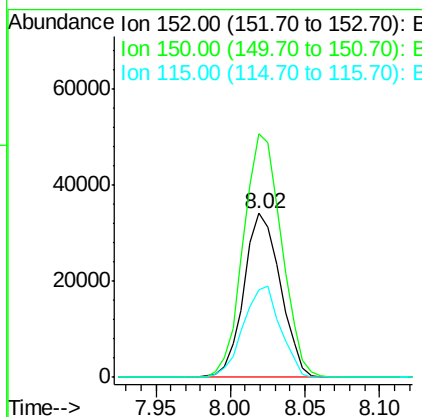
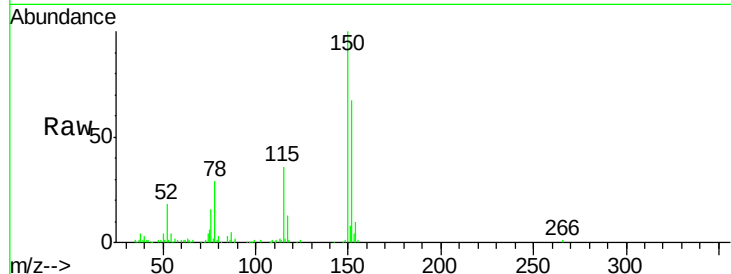


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BG045075.D
 Acq: 18 Apr 2020 20:21

Instrument :
 BNA_G
 ClientSampled :
 PA-4

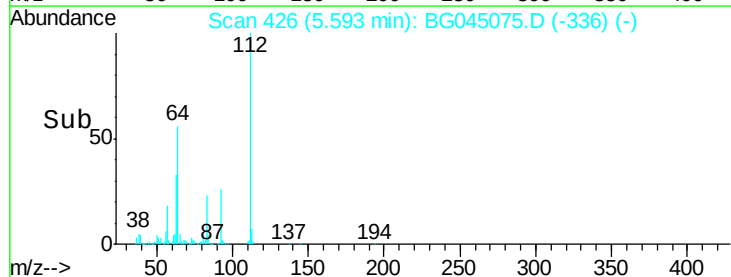
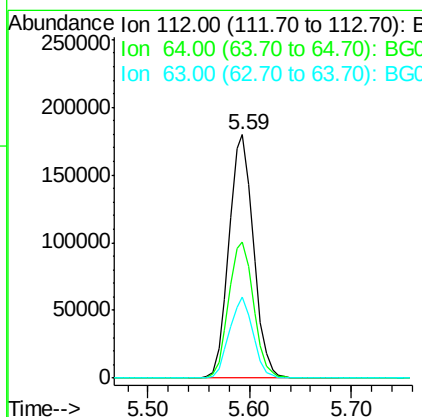
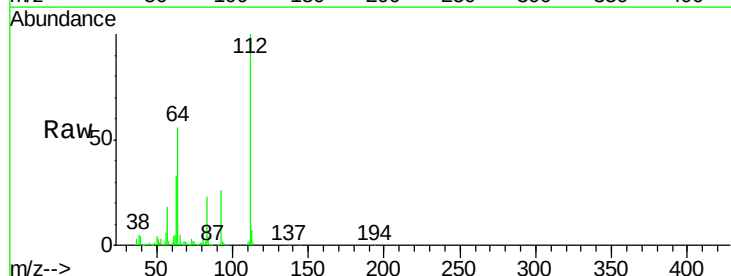
Tot Ion	152	Resp	57833
Ion	Ratio	Lower	Upper
152	100		
150	148.4	123.6	185.4
115	53.6	49.1	73.7

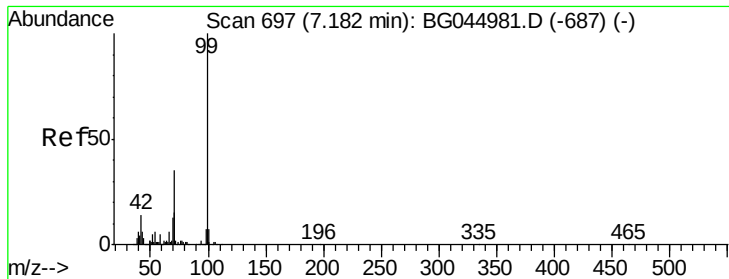


#5

2-Fluorophenol
 Concen: 85.971 ng
 RT: 5.59 min Scan# 426
 Delta R.T. 0.00 min
 Lab File: BG045075.D
 Acq: 18 Apr 2020 20:21

Tgt Ion	112	Resp	301158
Ion	Ratio	Lower	Upper
112	100		
64	55.9	42.4	63.6
63	33.3	23.1	34.7





#7

Phenol-d6

Concen: 94.409 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PA-4

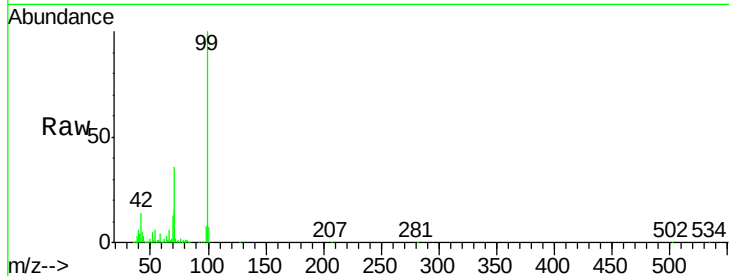
Tot Ion: 99 Resp: 491360

Ion Ratio Lower Upper

99 100

42 13.7 11.3 16.9

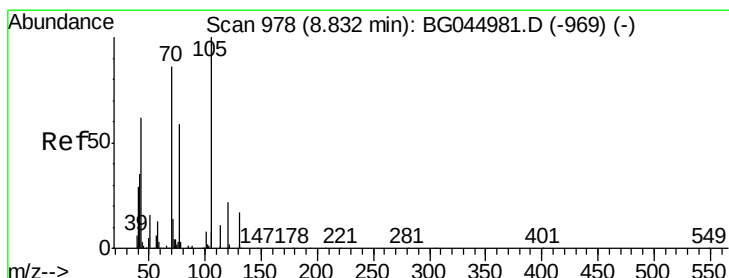
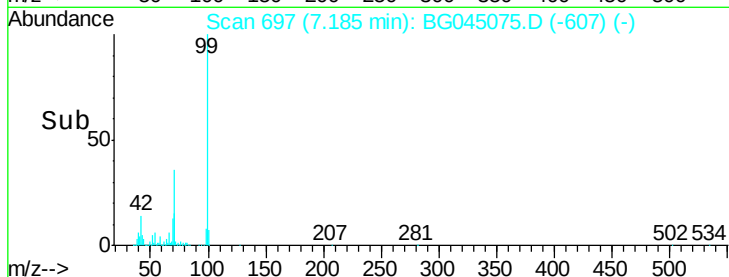
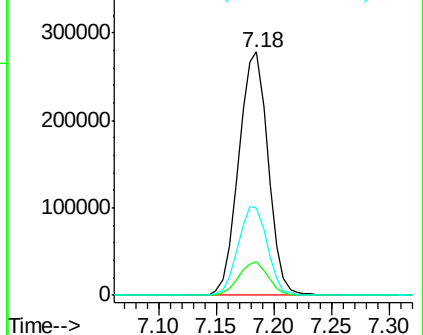
71 36.1 28.3 42.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.711 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.35 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

Tgt Ion: 70 Resp: 46786

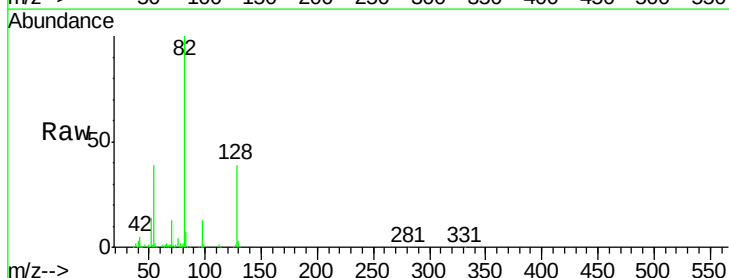
Ion Ratio Lower Upper

70 100

42 37.8 33.3 49.9

101 0.0 7.8 11.8#

130 3.4 15.8 23.6#

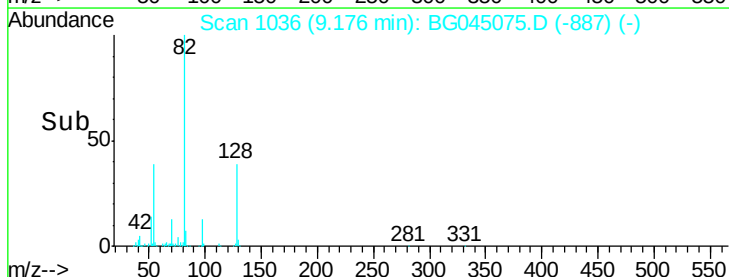
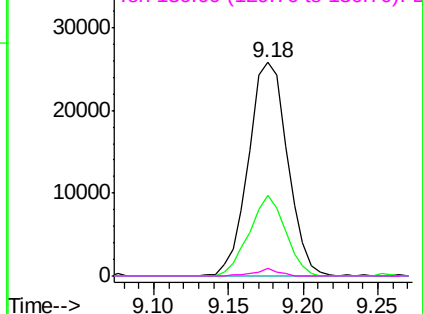


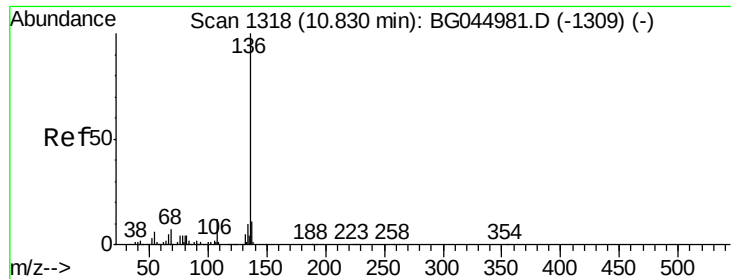
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

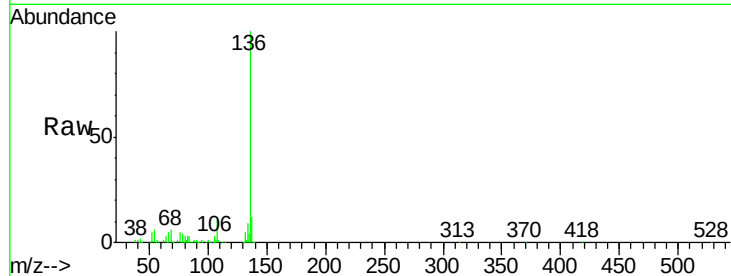




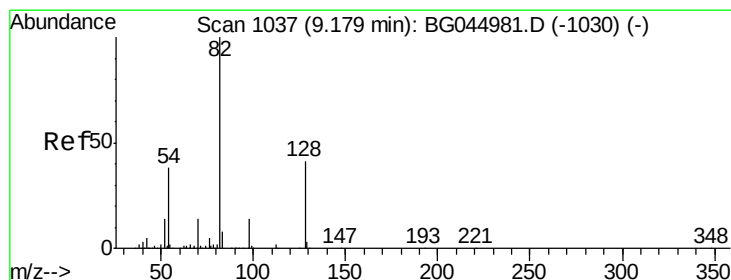
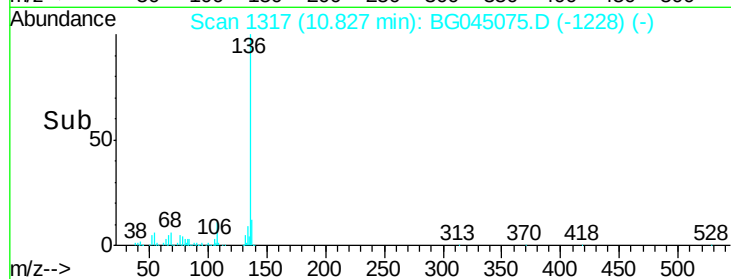
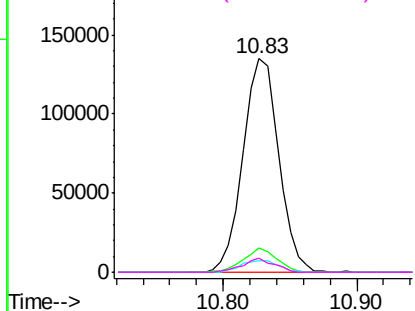
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG045075.D
Acq: 18 Apr 2020 20:21

Instrument :
BNA_G
ClientSampleId :
PA-4

Tot Ion:136	Resp:	249537
Ion Ratio	Lower	Upper
136 100		
137 11.6	8.6	13.0
54 5.5	4.8	7.2
68 6.5	5.2	7.8

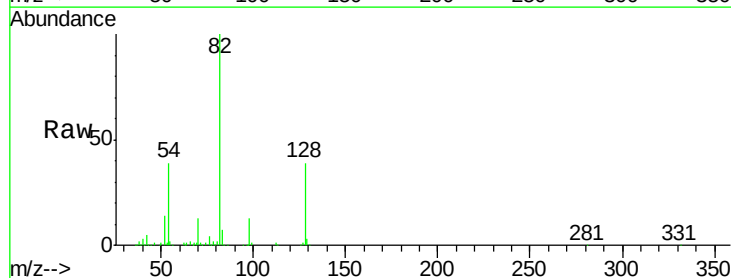


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

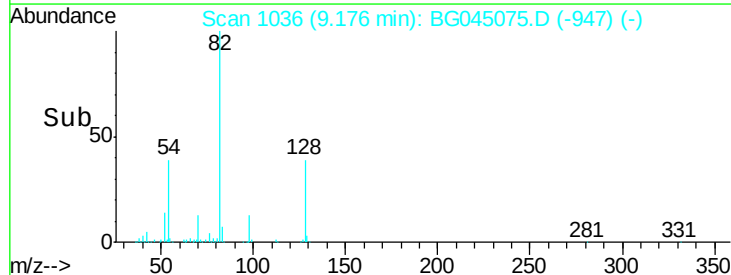
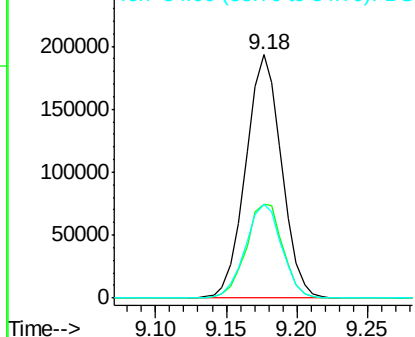


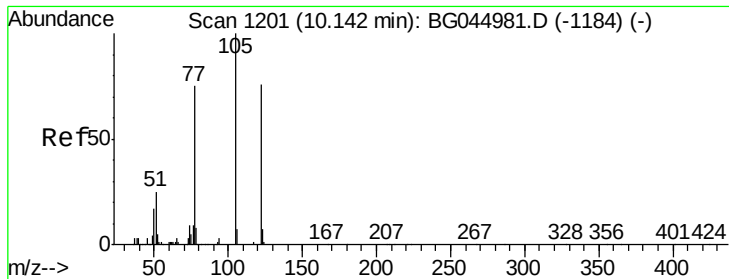
#23
Nitrobenzene-d5
Concen: 62.843 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG045075.D
Acq: 18 Apr 2020 20:21

Tgt	Ion: 82	Resp:	343679
Ion	Ratio	Lower	Upper
82	100		
128	38.7	33.0	49.4
54	38.5	30.4	45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

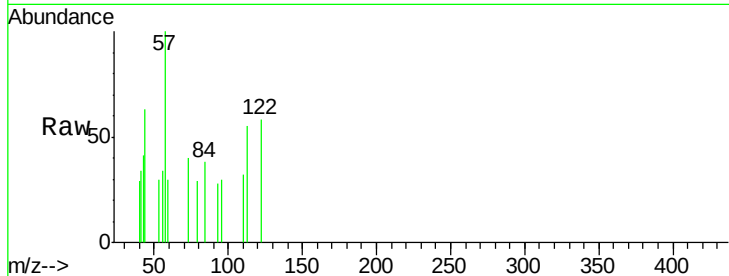




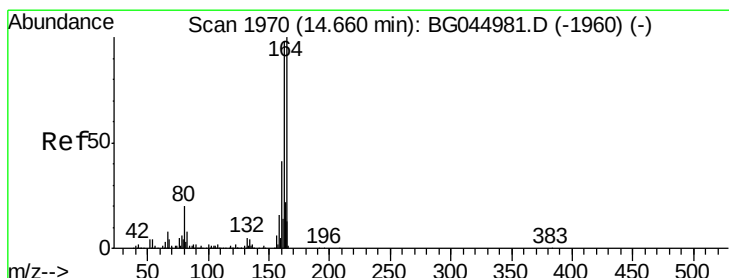
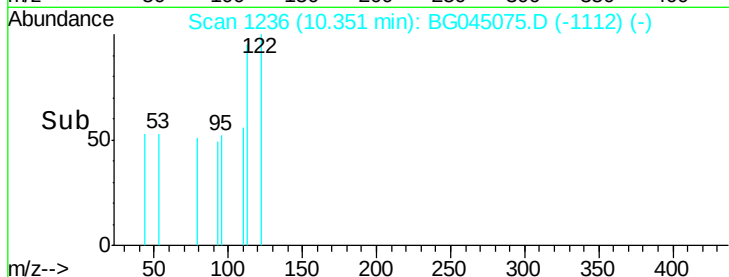
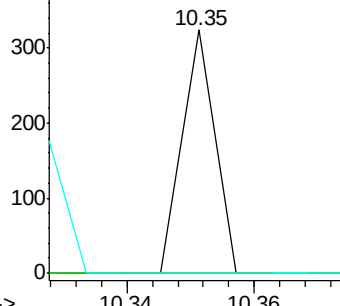
#32
Benzoic acid
Concen: 6.406 ng
RT: 10.35 min Scan# 1236
Delta R.T. 0.20 min
Lab File: BG045075.D
Acq: 18 Apr 2020 20:21

Instrument :
BNA_G
ClientSampleId :
PA-4

Tot Ion:122 Resp: 114
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#

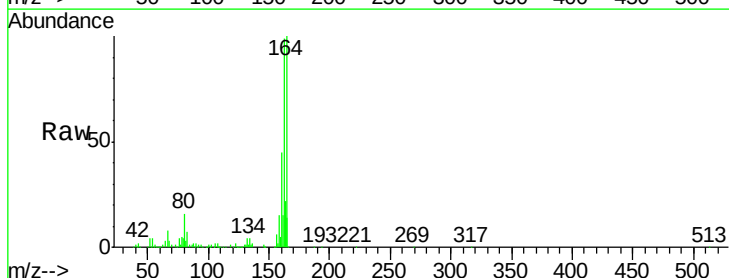


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

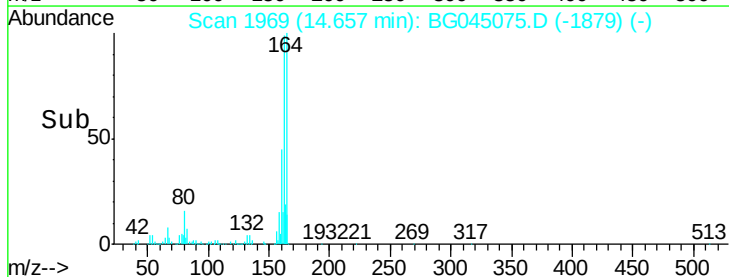
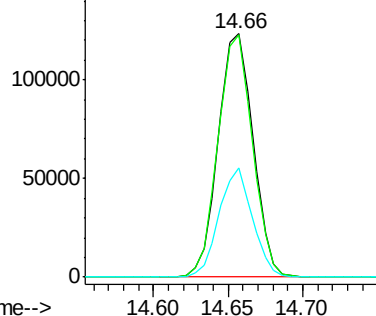


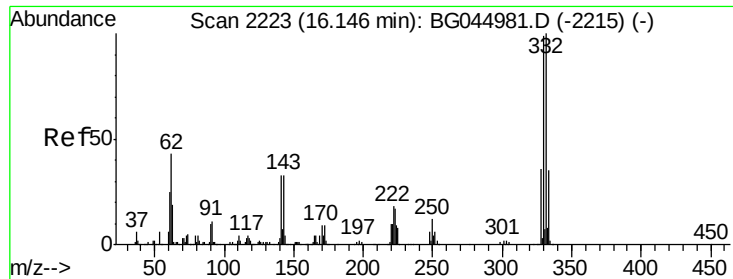
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BG045075.D
Acq: 18 Apr 2020 20:21

Tgt Ion:164 Resp: 199540
Ion Ratio Lower Upper
164 100
162 99.3 78.7 118.1
160 45.1 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

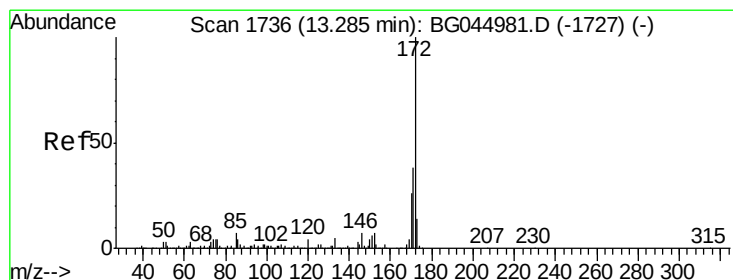
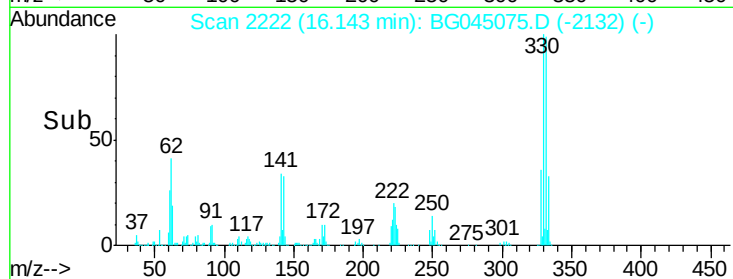
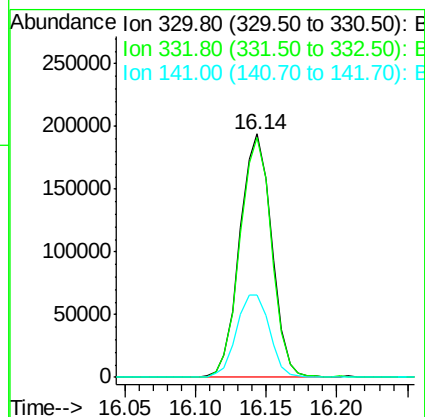
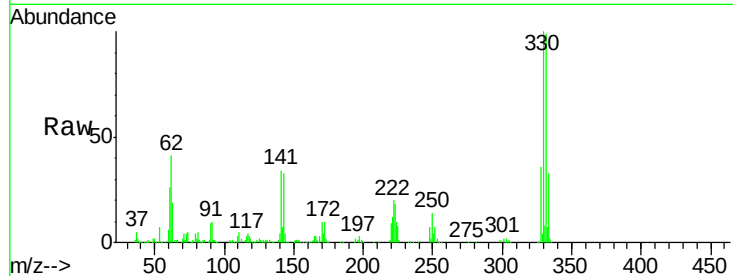




#42
2,4,6-Tribromophenol
Concen: 99.638 ng
RT: 16.14 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BG045075.D
Acq: 18 Apr 2020 20:21

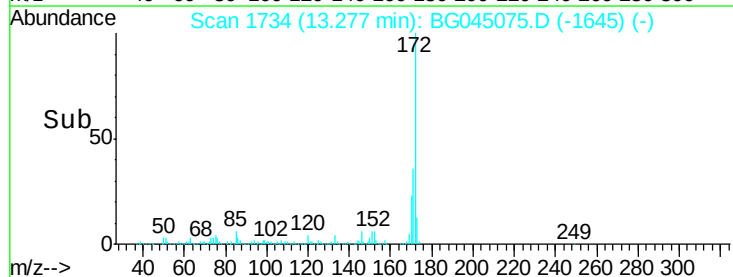
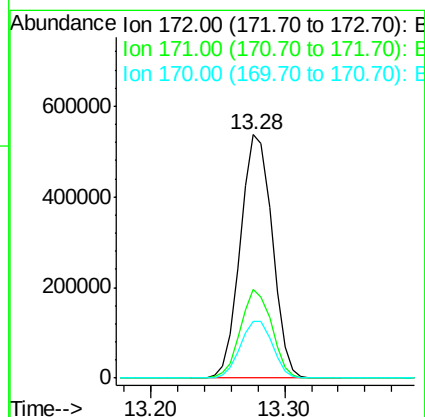
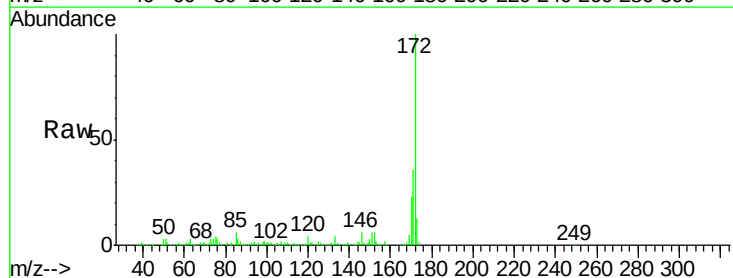
Instrument :
BNA_G
ClientSampled :
PA-4

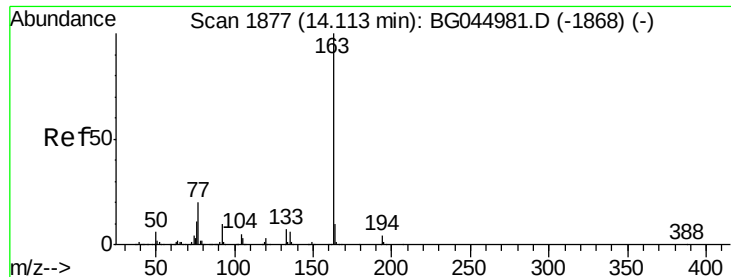
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	79.1	118.7
141	35.1	27.1	40.7



#45
2-Fluorobiphenyl
Concen: 65.057 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG045075.D
Acq: 18 Apr 2020 20:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.6	46.0
170	23.4	20.5	30.7





#50

Dimethylphthalate

Concen: 8.989 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PA-4

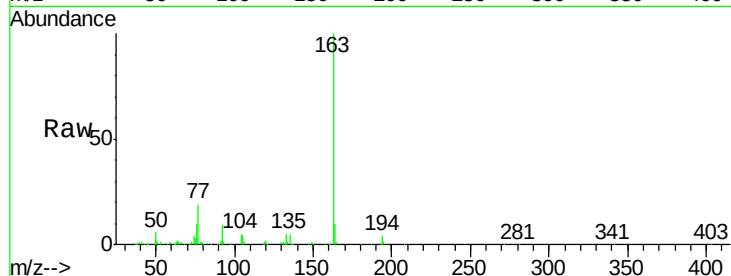
Tot Ion:163 Resp: 146055

Ion Ratio Lower Upper

163 100

194 3.5 3.5 5.3

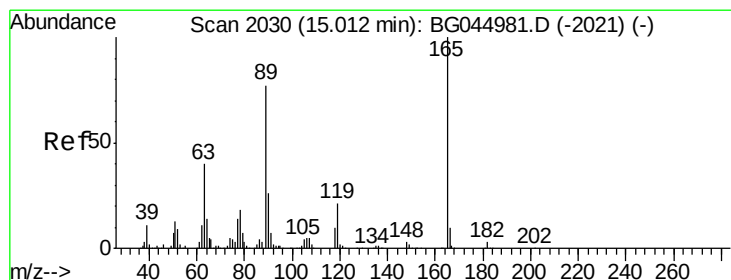
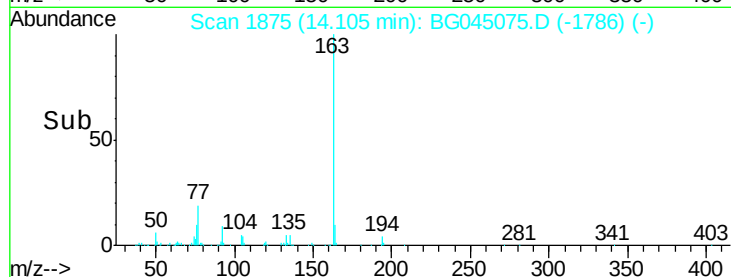
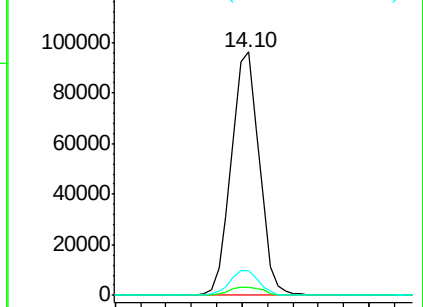
164 10.4 8.2 12.4



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



#57

2,4-Dinitrotoluene

Concen: 5.045 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.36 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

Tgt Ion:165 Resp: 26791

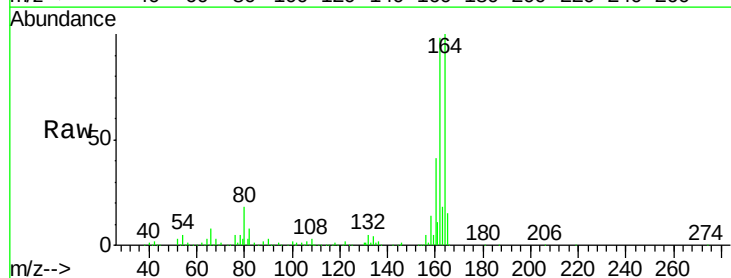
Ion Ratio Lower Upper

165 100

63 1.1 32.2 48.2#

89 0.0 61.7 92.5#

182 0.0 2.0 3.0#

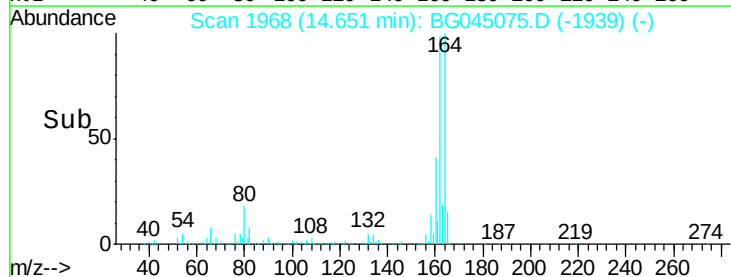
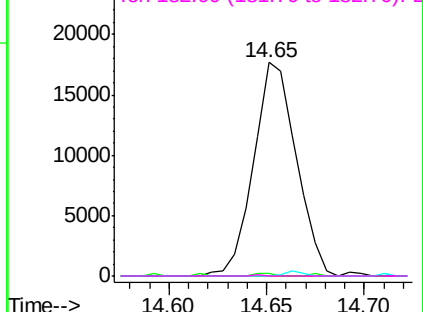


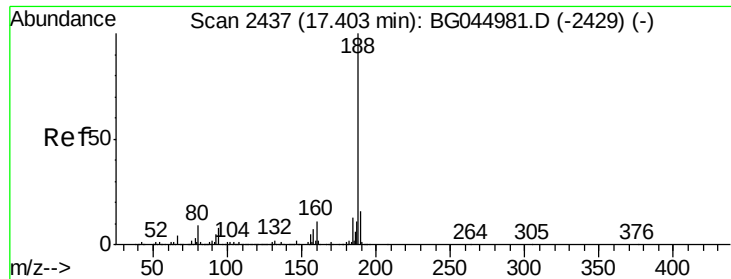
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PA-4

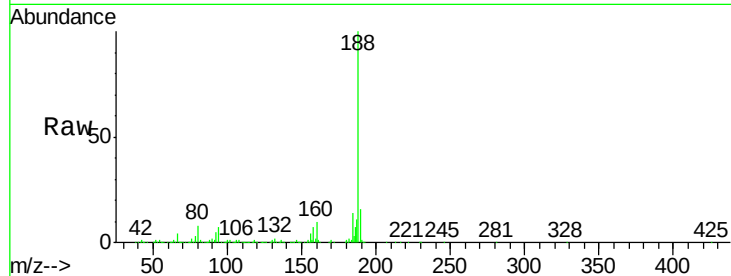
Tot Ion:188 Resp: 478363

Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.4

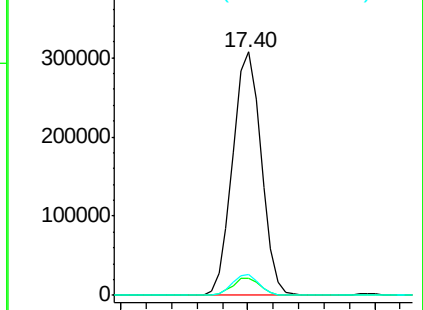
80 8.5 7.0 10.6



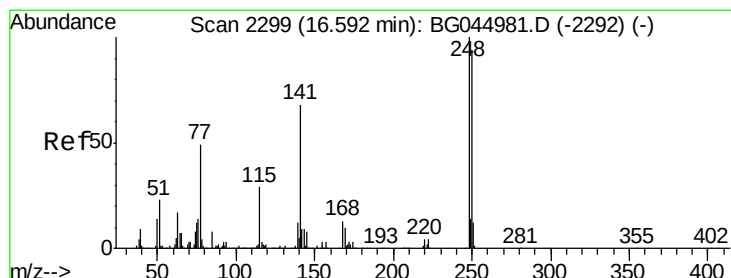
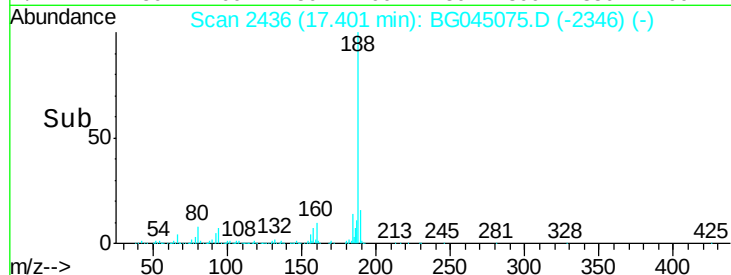
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.30 17.40 17.50



#67

4-Bromophenyl-phenylether

Concen: 3.556 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

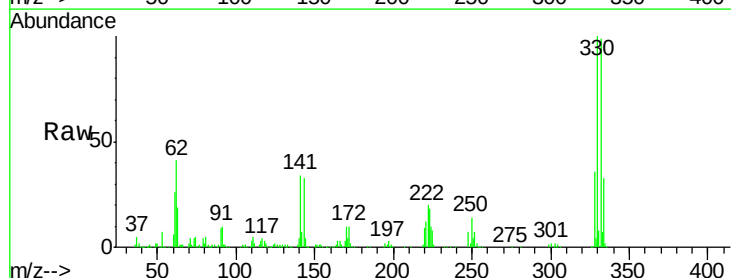
Tgt Ion:248 Resp: 21948

Ion Ratio Lower Upper

248 100

250 194.6 75.4 113.2#

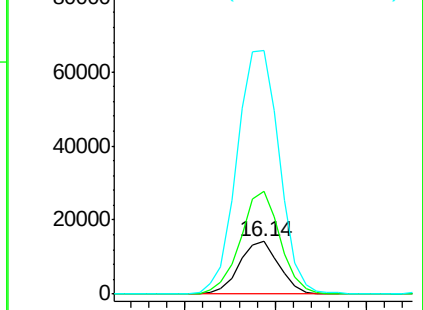
141 461.2 54.4 81.6#



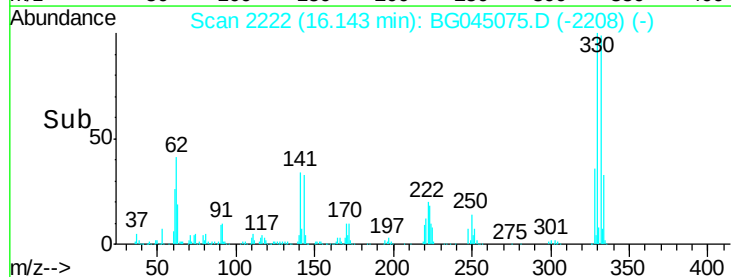
Abundance Ion 248.00 (247.70 to 248.70): E

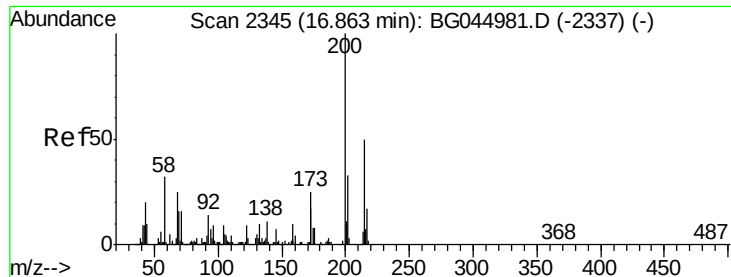
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.10 16.15 16.20





#69

Atrazine

Concen: Below Cal

RT: 16.95 min Scan# 2360

Delta R.T. 0.09 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

Instrument :

BNA_G

ClientSampled :

PA-4

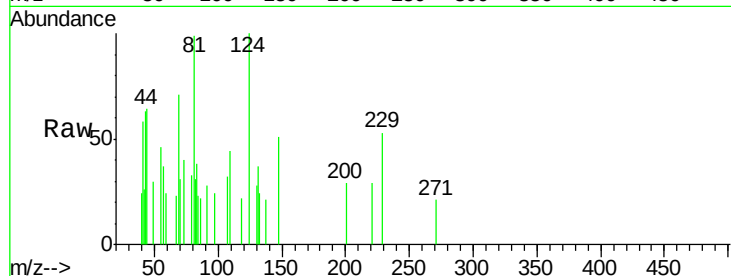
Tot Ion:200 Resp: 75

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

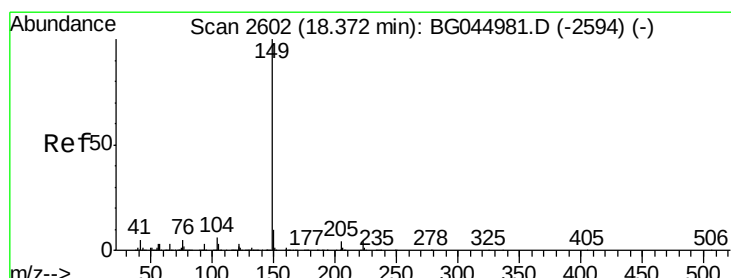
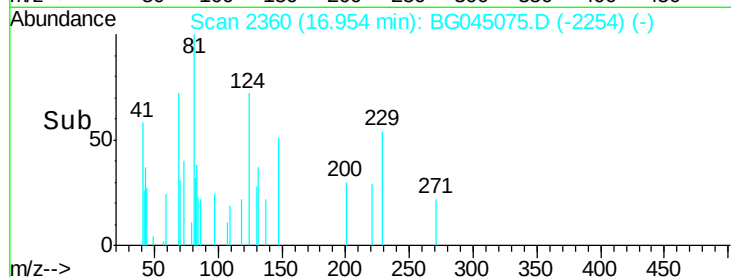
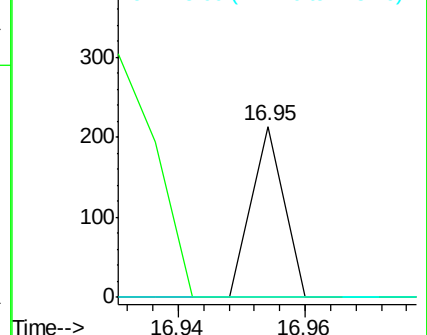
215 0.0 30.0 70.0#



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: 18.36 min Scan# 2599

Delta R.T. -0.01 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

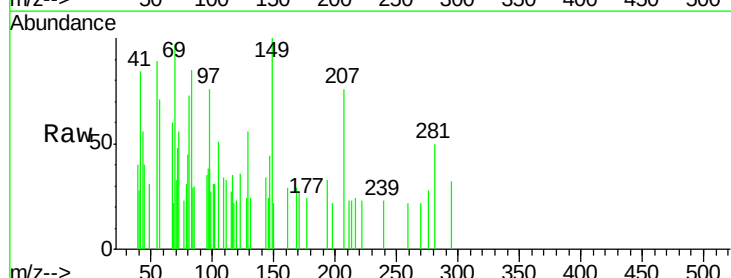
Tgt Ion:149 Resp: 1041

Ion Ratio Lower Upper

149 100

150 22.4 8.2 12.2#

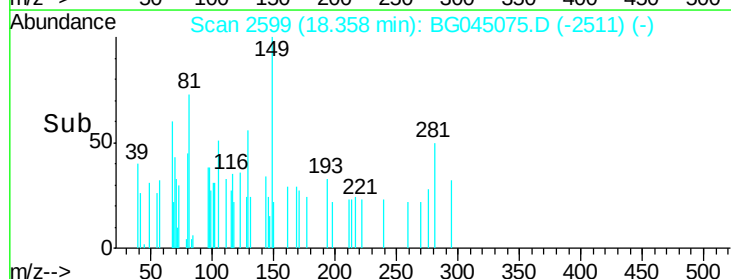
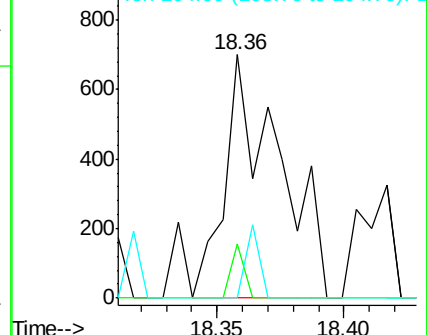
104 0.0 4.8 7.2#

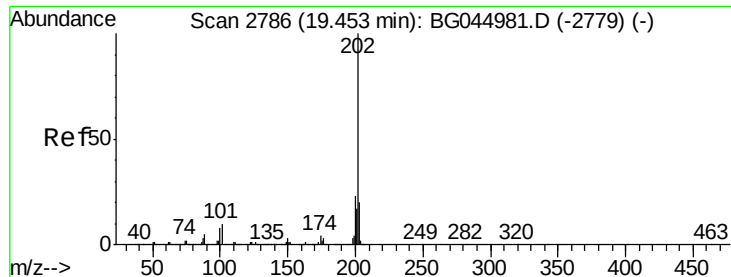


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PA-4

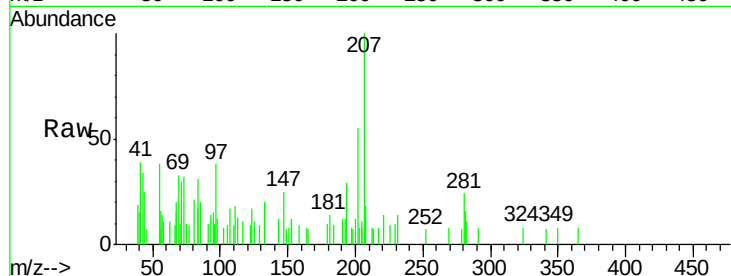
Tot Ion:202 Resp: 1422

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

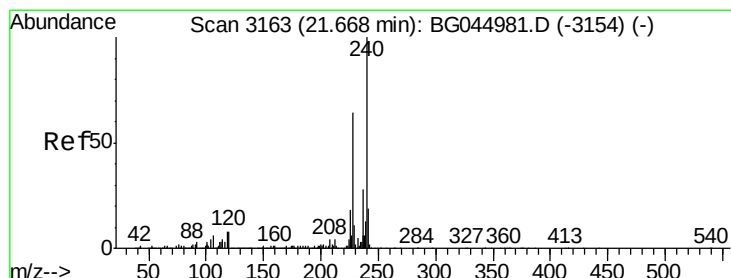
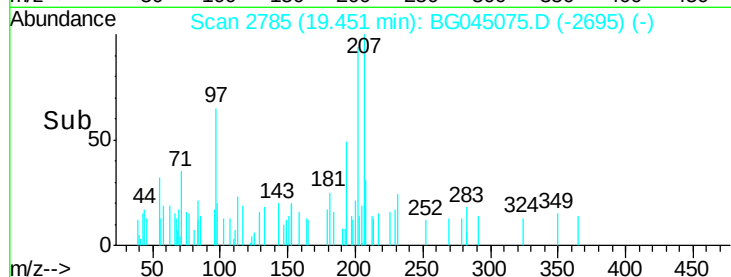
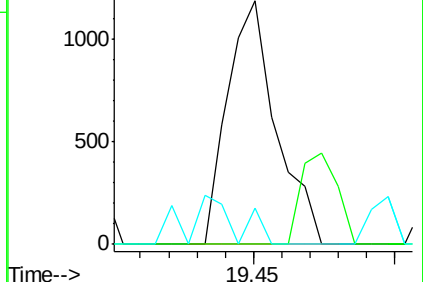
203 15.0 0.0 39.7



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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

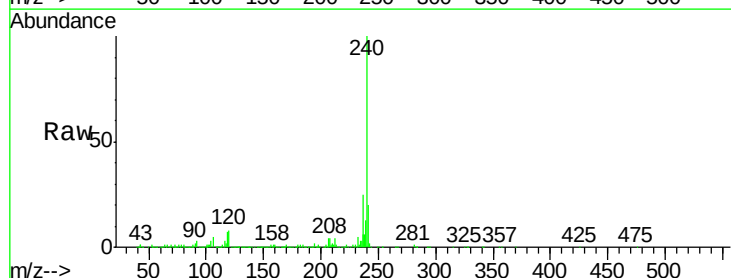
Tgt Ion:240 Resp: 444866

Ion Ratio Lower Upper

240 100

120 7.6 6.6 10.0

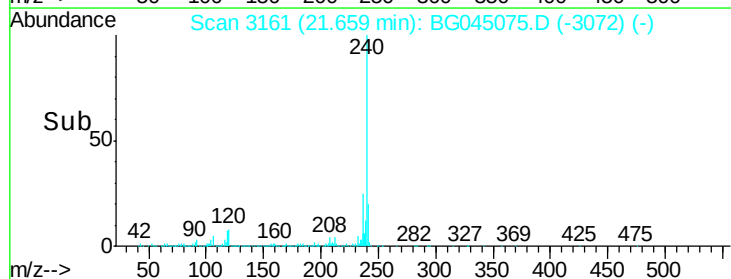
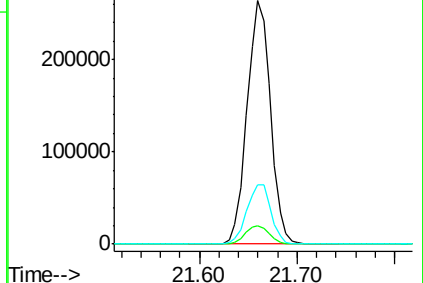
236 24.6 22.2 33.2

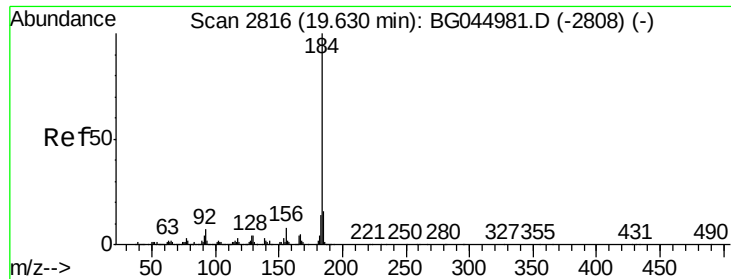


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2880

Delta R.T. 0.38 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

Instrument :

BNA_G

ClientSampled :

PA-4

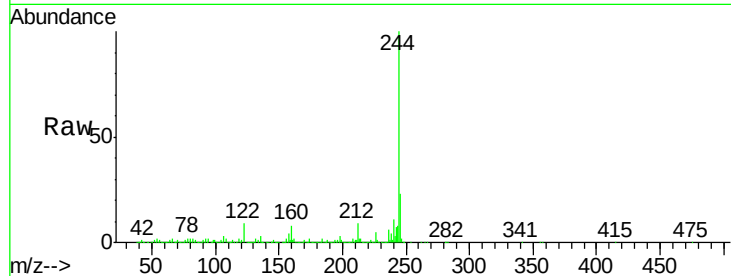
Tot Ion:184 Resp: 27109

Ion Ratio Lower Upper

184 100

185 20.4 12.6 19.0#

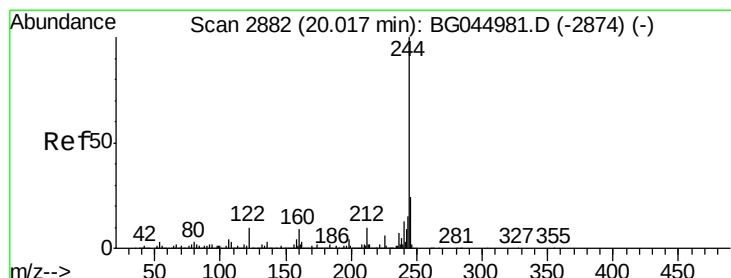
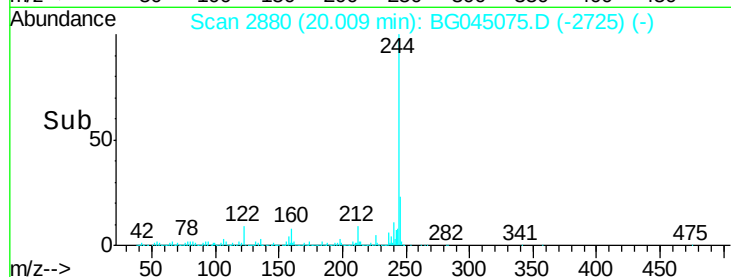
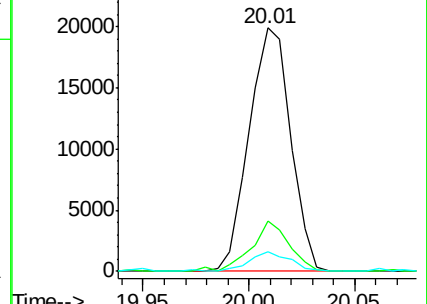
183 7.9 11.3 16.9#



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: 74.282 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG045075.D

Acq: 18 Apr 2020 20:21

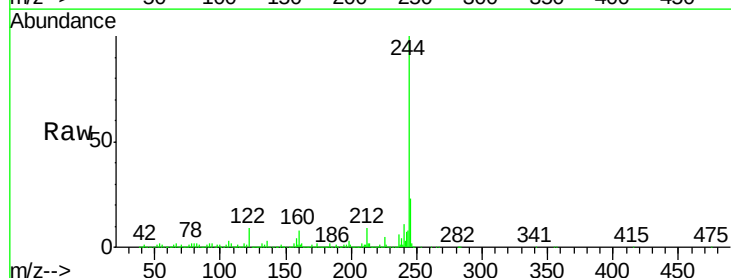
Tgt Ion:244 Resp: 1516142

Ion Ratio Lower Upper

244 100

212 9.1 7.9 11.9

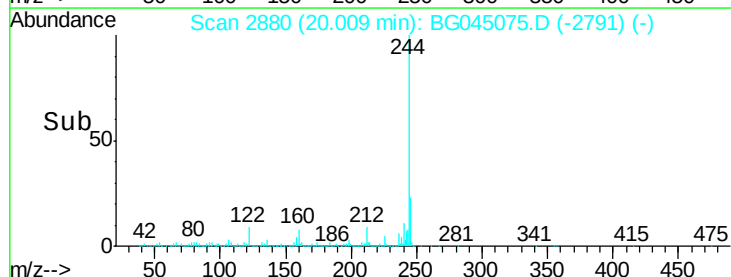
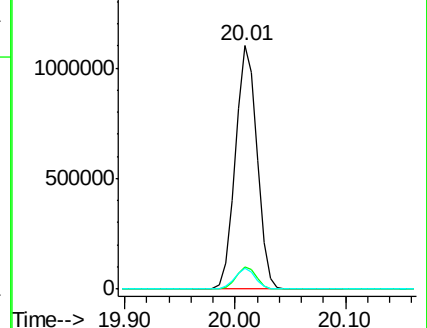
122 8.6 7.7 11.5

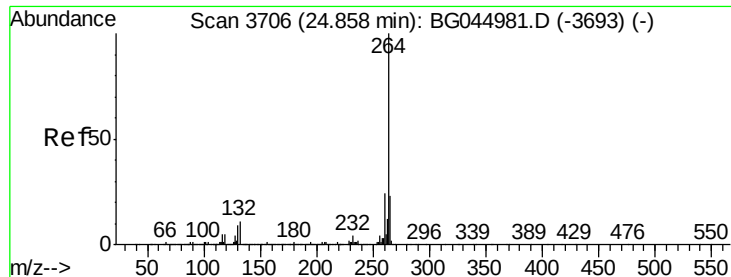


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.84 min Scan# 3703
 Delta R.T. -0.01 min
 Lab File: BG045075.D
 Acq: 18 Apr 2020 20:21

Instrument :
 BNA_G
 ClientSampleId :
 PA-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.7	19.0	28.4

