

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045077.D
 Acq On : 18 Apr 2020 21:40
 Operator : CG/JU
 Sample : L2304-01
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-B1

Quant Time: Apr 20 00:24:06 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	68837	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	288040	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	206024	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	426540	20.00	ng	0.00
76) Chrysene-d12	21.67	240	398116	20.00	ng	0.00
87) Perylene-d12	24.86	264	434184	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	432845	103.81	ng	0.00
7) Phenol-d6	7.19	99	804710	129.90	ng	0.00
23) Nitrobenzene-d5	9.18	82	534318	84.64	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	431062	135.43	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1307038	93.02	ng	0.00
79) Terphenyl-d14	20.02	244	1895655	103.78	ng	0.00

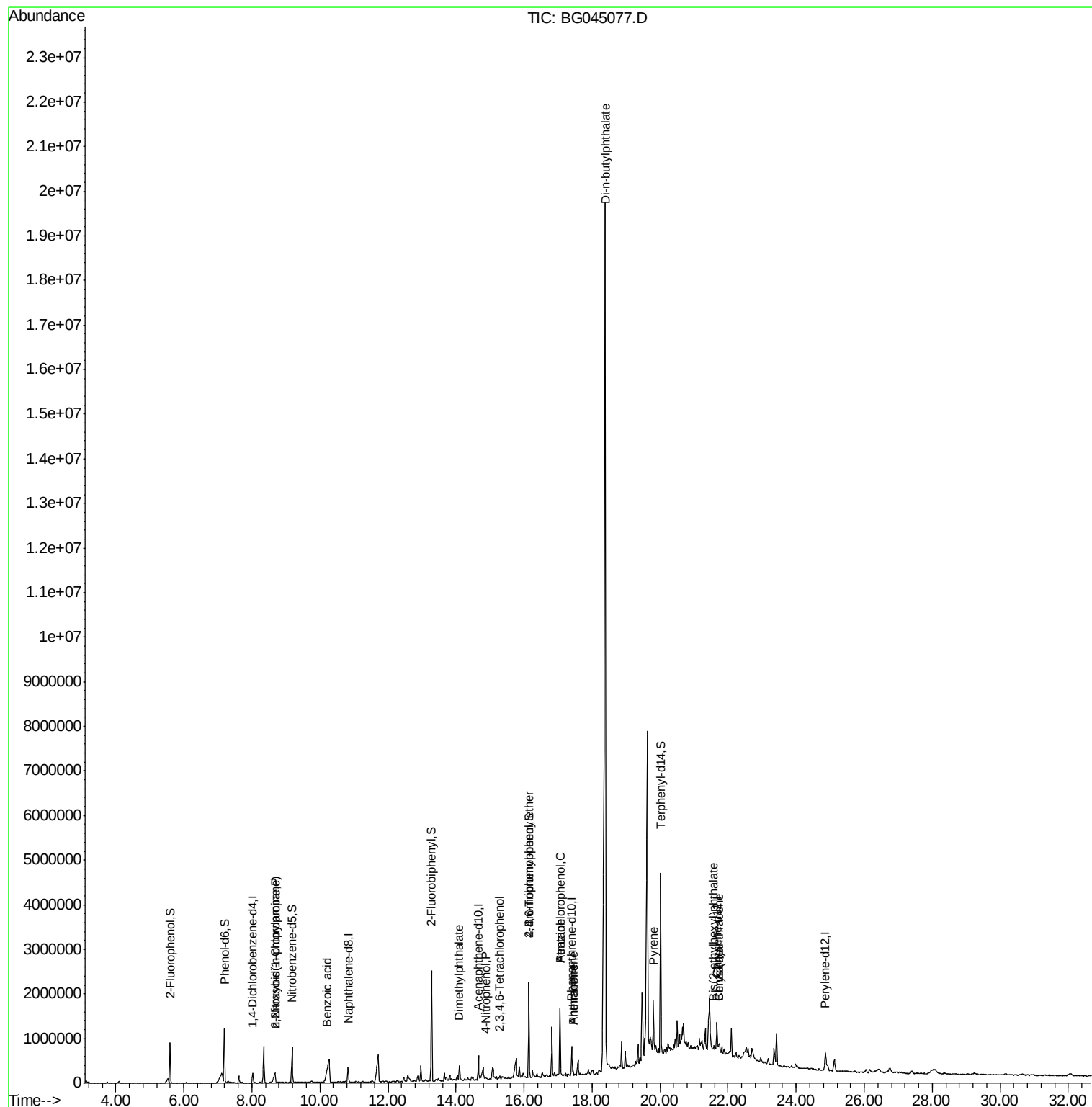
Target Compounds				Qvalue		
9) Benzaldehyde	7.13	77	479	Below Cal	#	4
16) 2,2'-oxybis(1-Chloropropan	8.68	45	29968	6.185 ng		67
19) n-Nitroso-di-n-propylamine	8.68	70	26369	6.019 ng	#	57
32) Benzoic acid	10.19	122	11497	9.164 ng		96
50) Dimethylphthalate	14.10	163	176784	10.538 ng		99
56) 4-Nitrophenol	14.88	139	9548	2.992 ng		92
59) 2,3,4,6-Tetrachlorophenol	15.29	232	13384	2.823 ng	#	91
67) 4-Bromophenyl-phenylether	16.14	248	29217	5.310 ng	#	1
69) Atrazine	17.06	200	59611	9.574 ng	#	36
70) Pentachlorophenol	17.06	266	298862	85.365 ng		99
71) Phenanthrene	17.44	178	69266	3.160 ng	#	93
72) Anthracene	17.44	178	69266	3.150 ng		95
74) Di-n-butylphthalate	18.39	149	6427671	298.892 ng	#	29
75) Fluoranthene	19.46	202	128459	Below Cal		92
77) Benzidine	19.59	184	2330	Below Cal	#	1
78) Pyrene	19.81	202	95371	3.475 ng		98
81) Benzo(a)anthracene	21.72	228	78711	3.050 ng		99
83) Chrysene	21.72	228	78711	3.175 ng		97
84) Bis(2-ethylhexyl)phthalate	21.57	149	42757	2.733 ng	#	98

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

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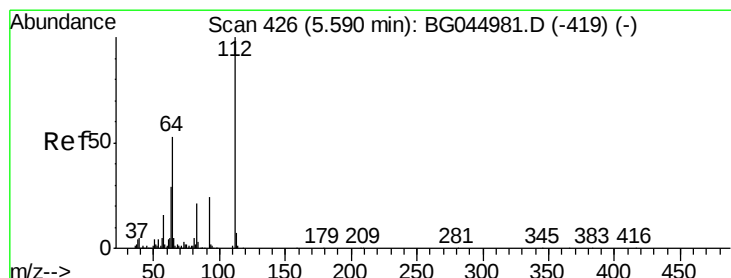
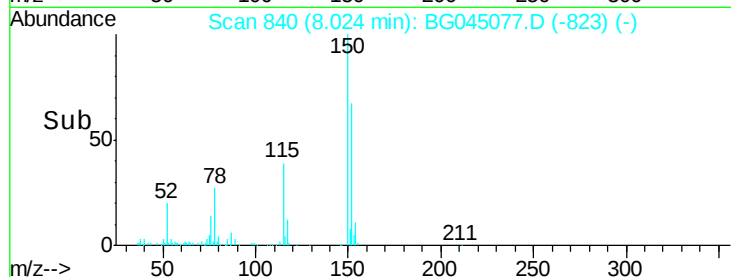
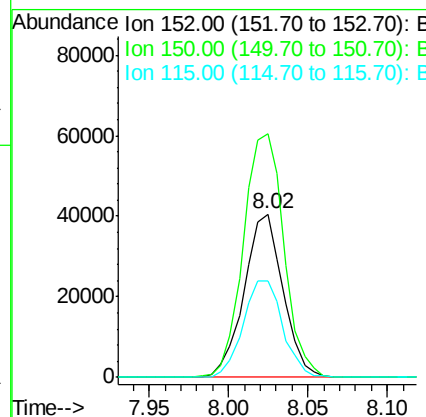
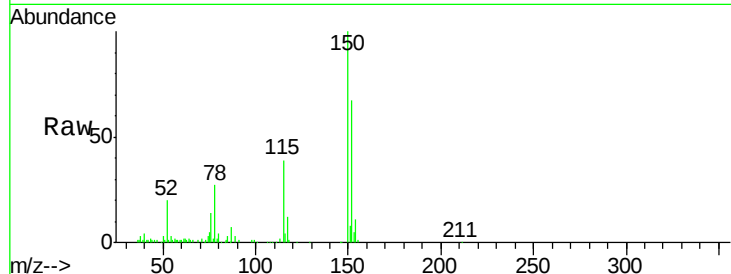


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045077.D
Acq: 18 Apr 2020 21:40

Instrument :
BNA_G
ClientSampleId :
WC-B1

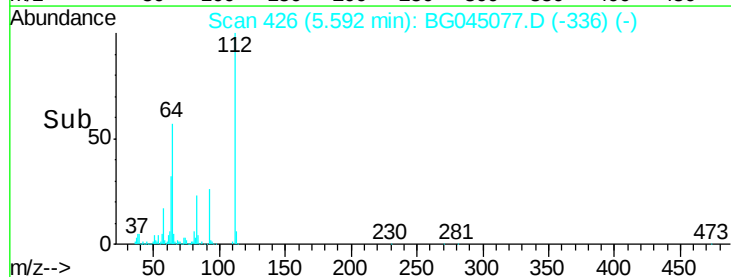
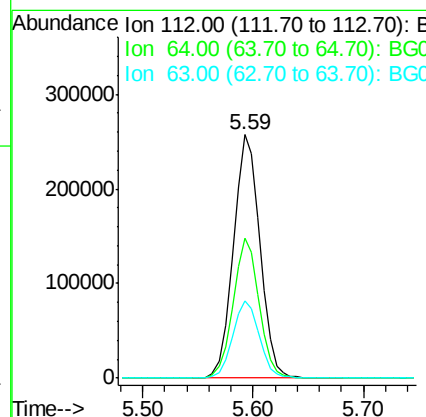
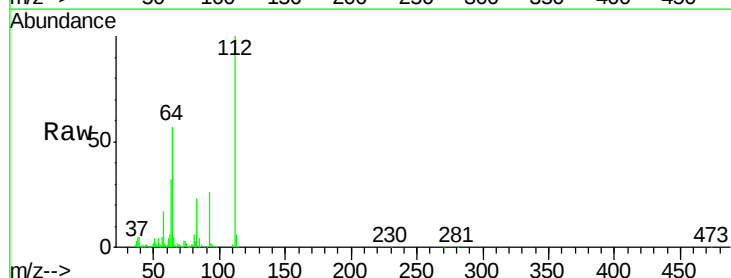
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.2	123.6	185.4
115	58.8	49.1	73.7



#5

2-Fluorophenol
Concen: 103.811 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG045077.D
Acq: 18 Apr 2020 21:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	42.4	63.6
63	31.7	23.1	34.7





#7

Phenol-d6

Concen: 129.899 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.01 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

Instrument :

BNA_G

ClientSampleId :

WC-B1

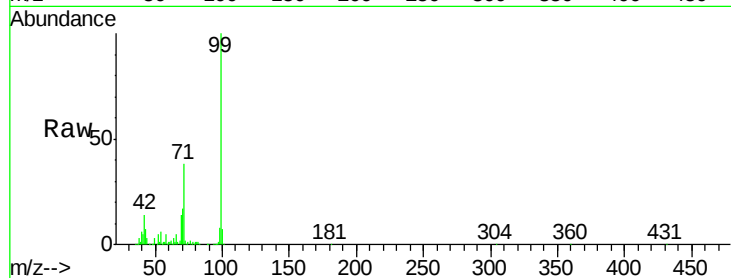
Tot Ion: 99 Resp: 804710

Ion Ratio Lower Upper

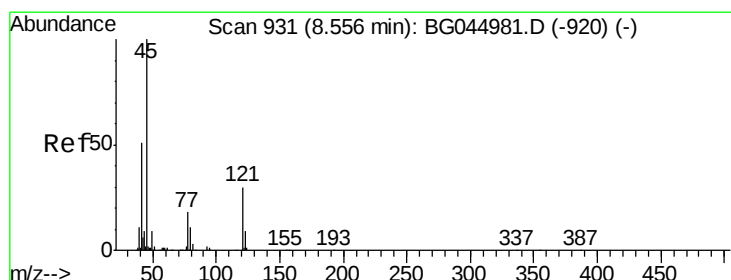
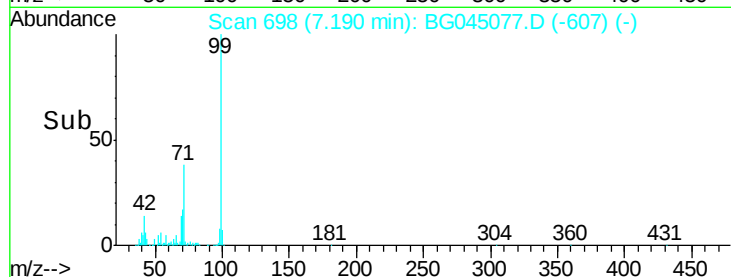
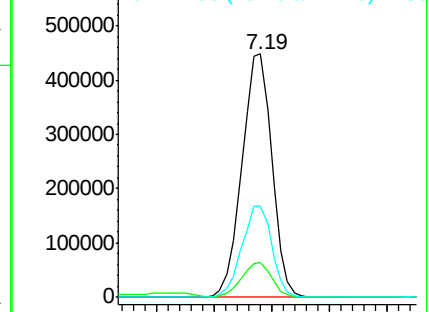
99 100

42 14.1 11.3 16.9

71 37.8 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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.185 ng

RT: 8.68 min Scan# 952

Delta R.T. 0.13 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

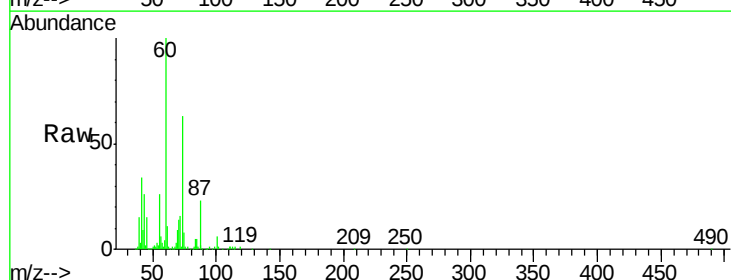
Tgt Ion: 45 Resp: 29968

Ion Ratio Lower Upper

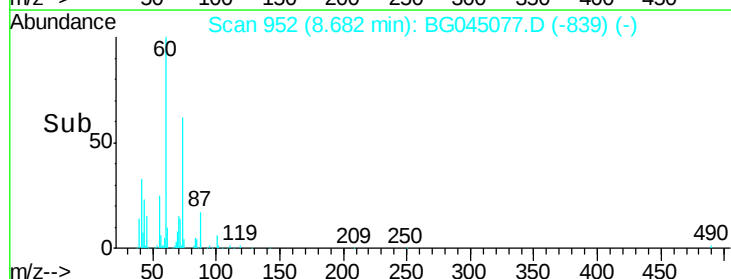
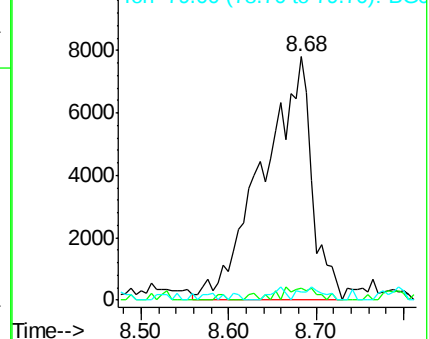
45 100

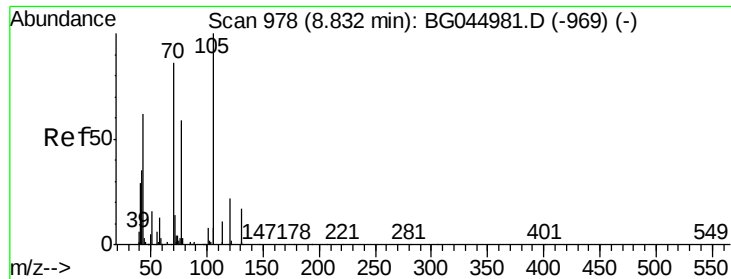
77 5.0 1.9 41.9

79 3.2 0.0 35.5



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

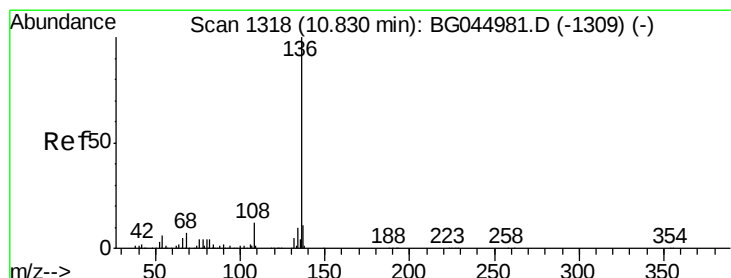
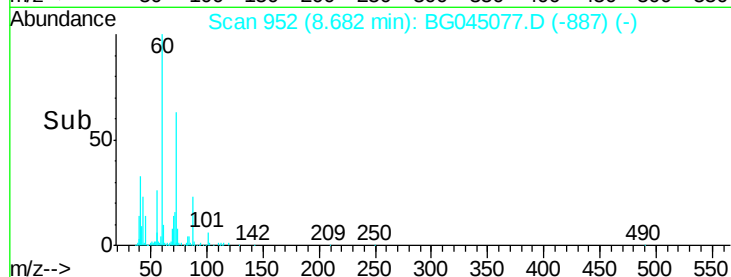
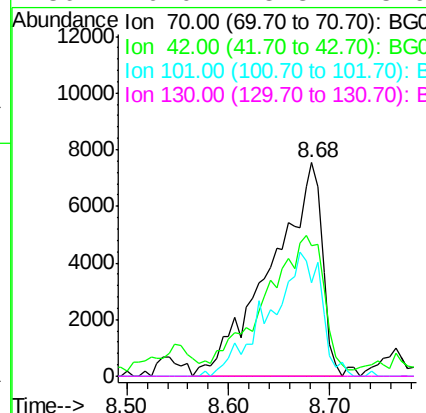
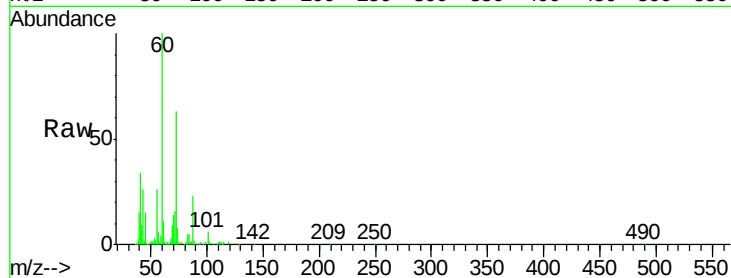




#19
n-Nitroso-di-n-propylamine
Concen: 6.019 ng
RT: 8.68 min Scan# 952
Delta R.T. -0.15 min
Lab File: BG045077.D
Acq: 18 Apr 2020 21:40

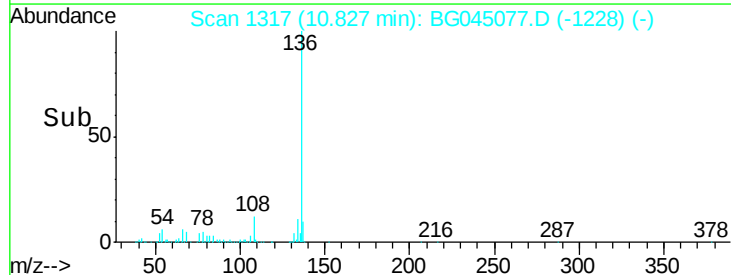
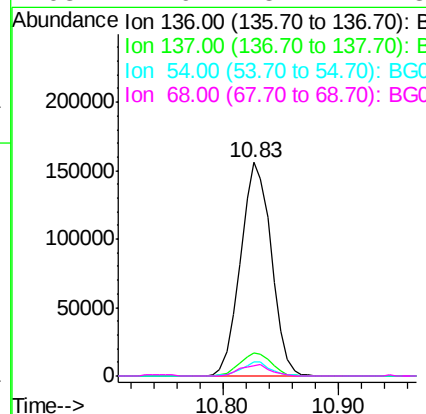
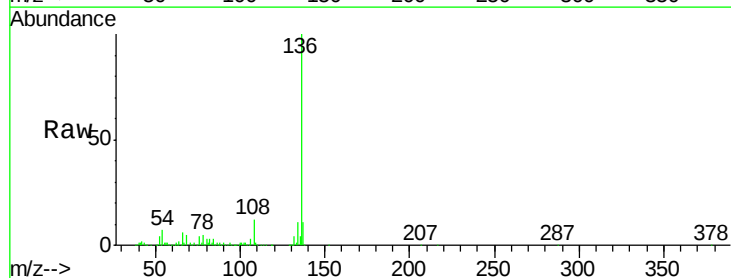
Instrument :
BNA_G
ClientSampled :
WC-B1

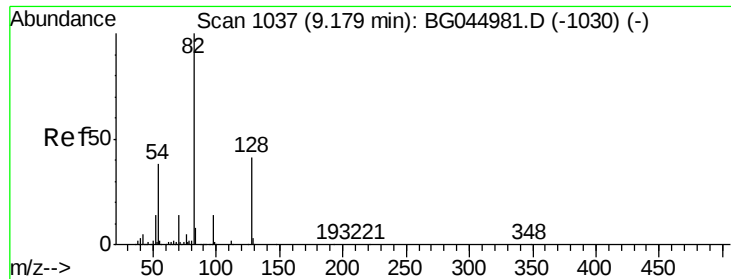
Tot Ion: 70 Resp: 26369
Ion Ratio Lower Upper
70 100
42 61.0 33.3 49.9#
101 43.6 7.8 11.8#
130 0.0 15.8 23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG045077.D
Acq: 18 Apr 2020 21:40

Tgt Ion: 136 Resp: 288040
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 6.6 4.8 7.2
68 4.9 5.2 7.8#

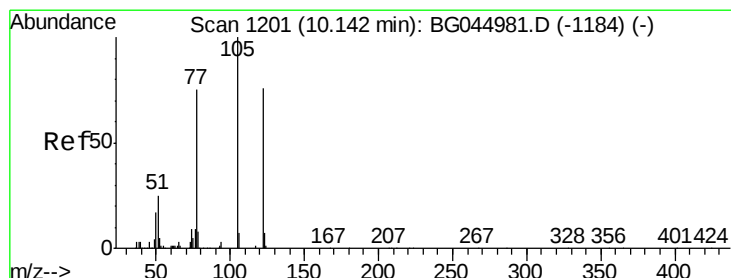
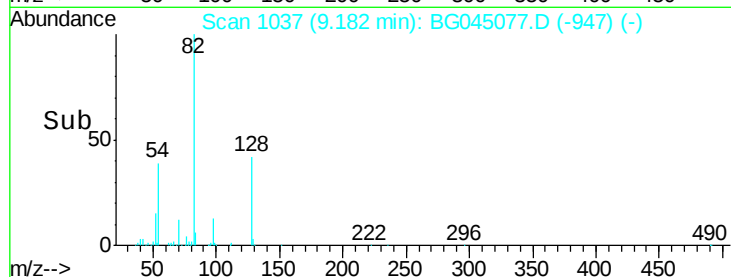
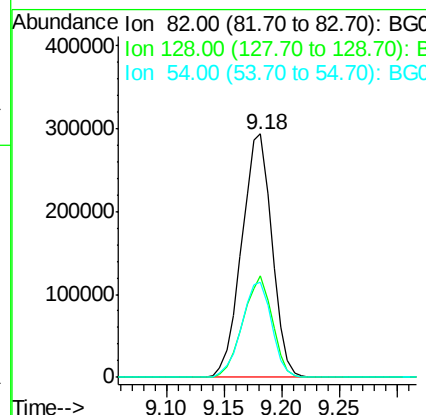
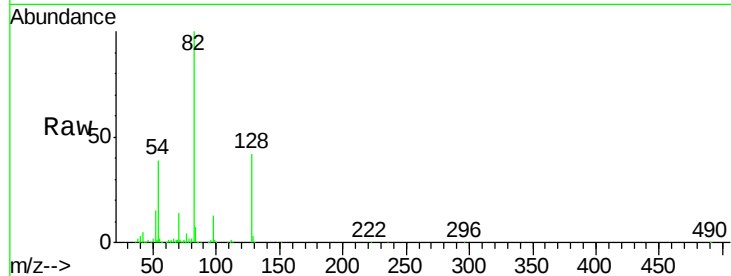




#23
 Nitrobenzene-d5
 Concen: 84.642 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BG045077.D
 Acq: 18 Apr 2020 21:40

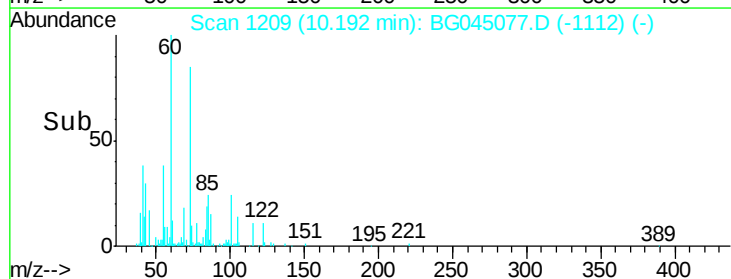
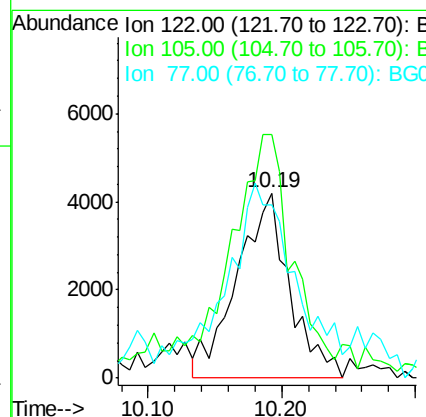
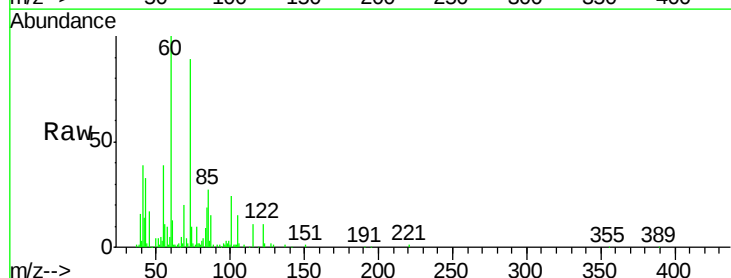
Instrument :
 BNA_G
 ClientSampleId :
 WC-B1

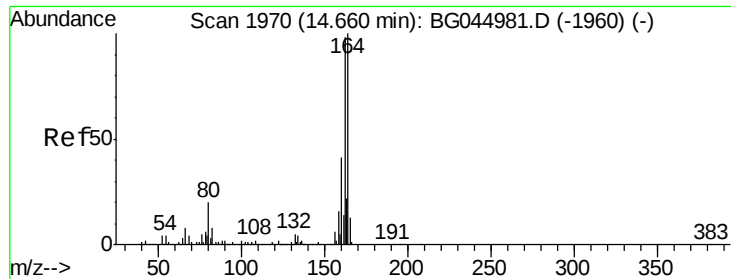
Tot Ion	82	Resp	534318
Ion Ratio	Lower	Upper	
82	100		
128	41.6	33.0	49.4
54	38.9	30.4	45.6



#32
 Benzoic acid
 Concen: 9.164 ng
 RT: 10.19 min Scan# 1209
 Delta R.T. 0.04 min
 Lab File: BG045077.D
 Acq: 18 Apr 2020 21:40

Tgt Ion	122	Resp	11497
Ion Ratio	Lower	Upper	
122	100		
105	131.6	108.4	148.4
77	93.3	78.8	118.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

Instrument :

BNA_G

ClientSampleId :

WC-B1

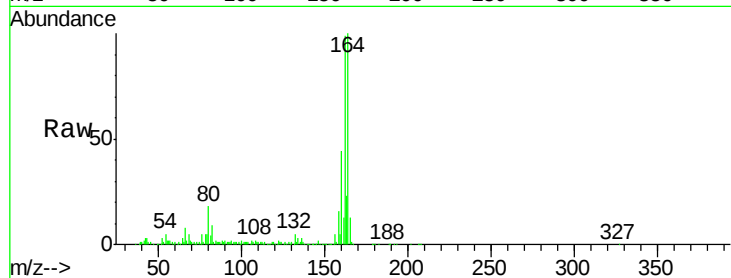
Tot Ion:164 Resp: 206024

Ion Ratio Lower Upper

164 100

162 98.8 78.7 118.1

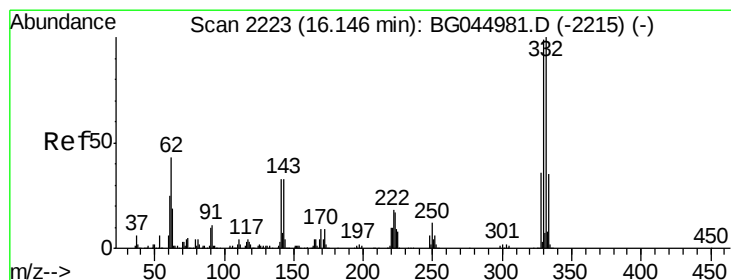
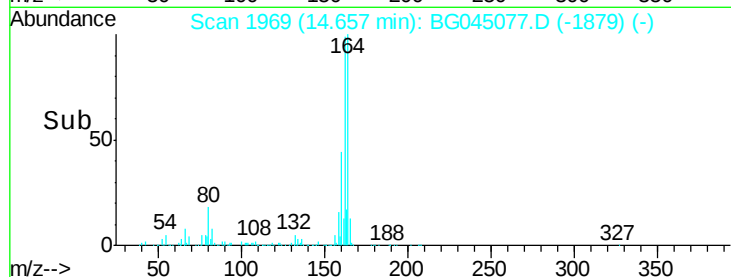
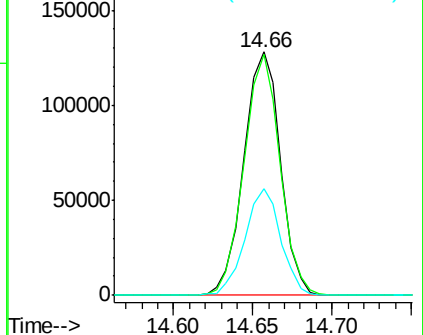
160 44.1 32.8 49.2



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: 135.435 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.01 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

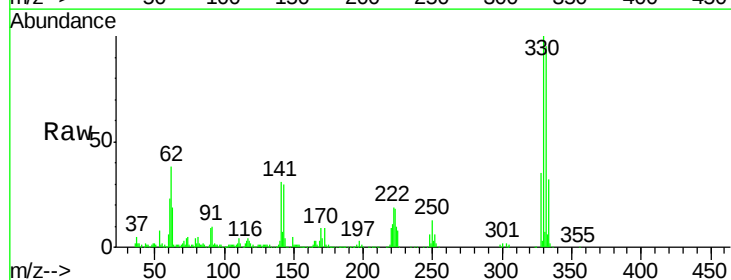
Tgt Ion:330 Resp: 431062

Ion Ratio Lower Upper

330 100

332 97.5 79.1 118.7

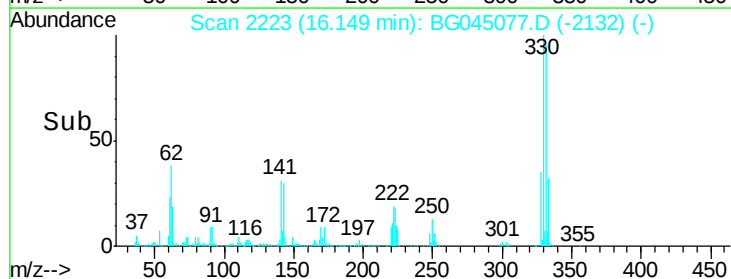
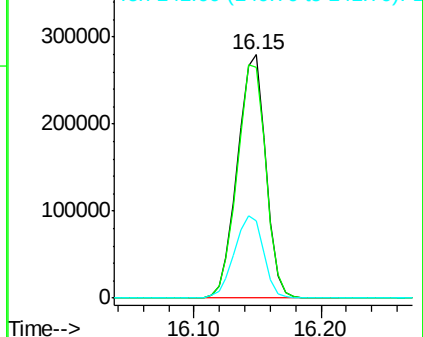
141 34.6 27.1 40.7

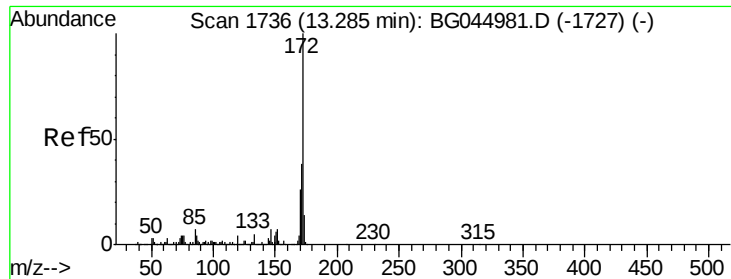


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 93.025 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

Instrument :

BNA_G

ClientSampleId :

WC-B1

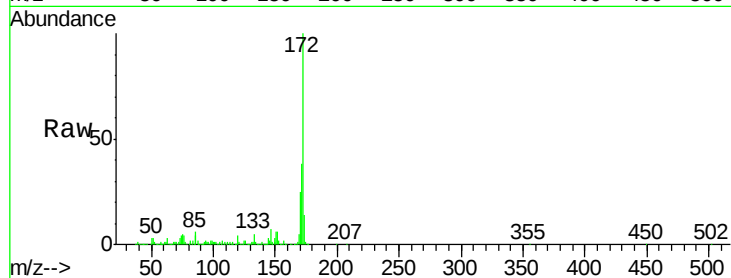
Tot Ion:172 Resp: 1307038

Ion Ratio Lower Upper

172 100

171 38.2 30.6 46.0

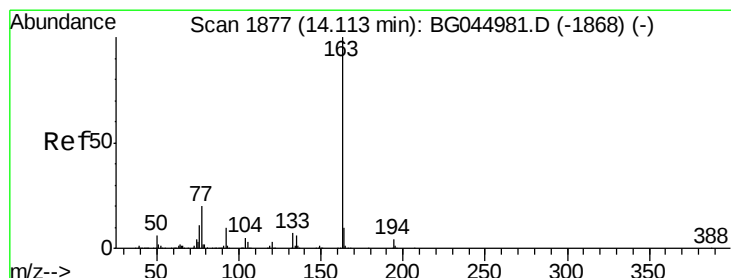
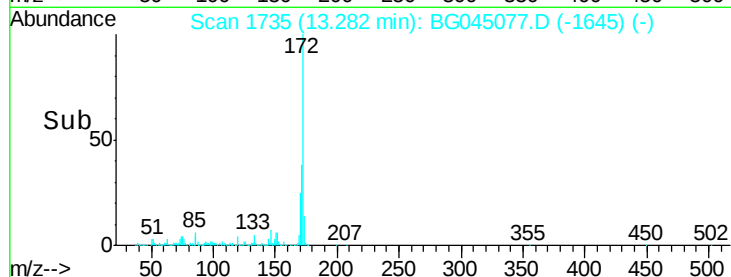
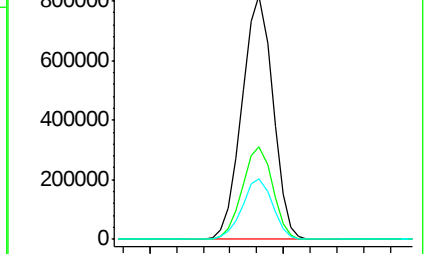
170 24.8 20.5 30.7



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



#50

Dimethylphthalate

Concen: 10.538 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

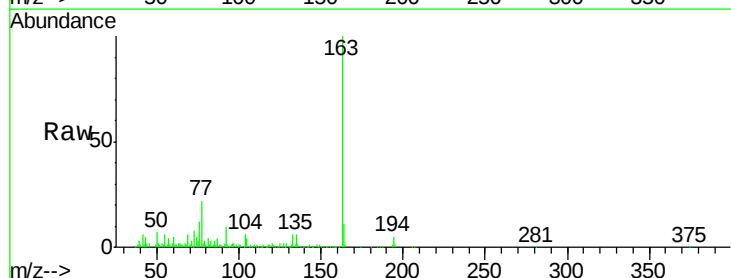
Tgt Ion:163 Resp: 176784

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

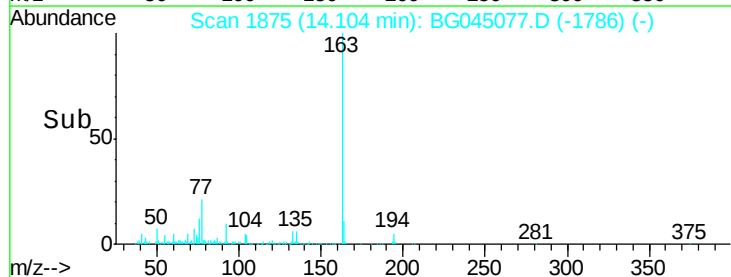
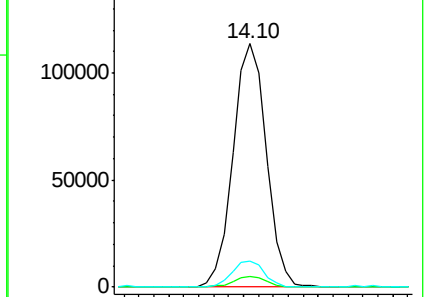
164 10.9 8.2 12.4

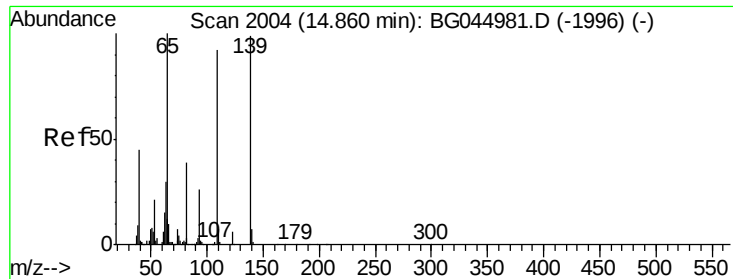


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

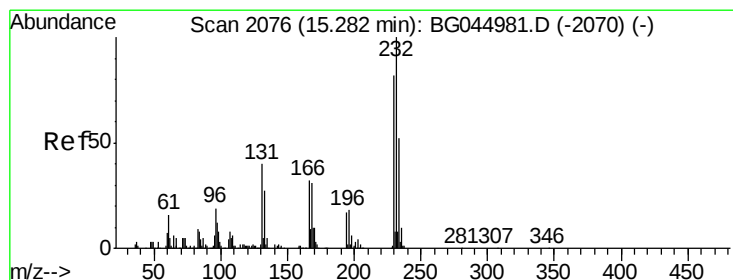
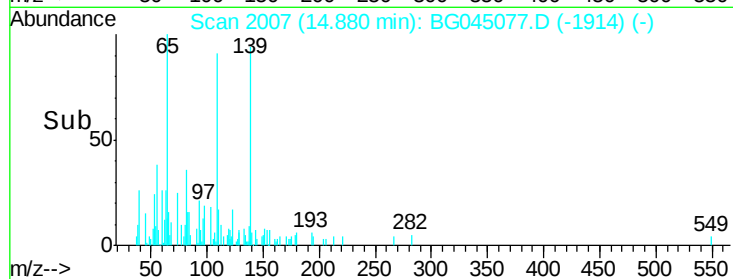
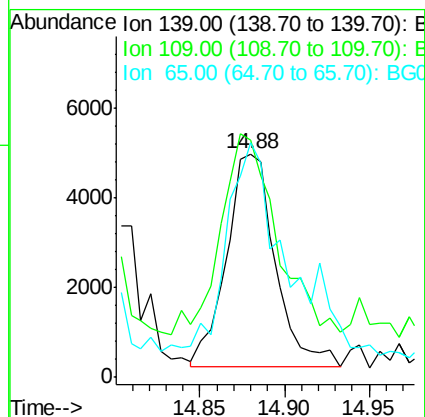
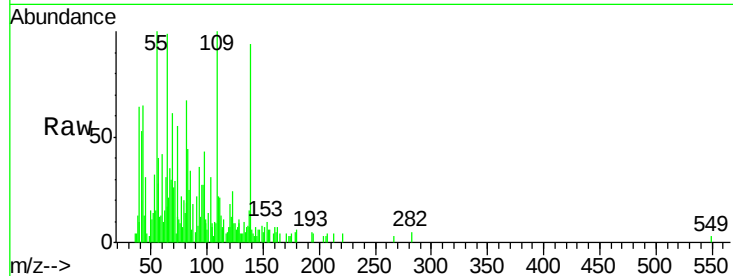




#56
4-Nitrophenol
Concen: 2.992 ng
RT: 14.88 min Scan# 2007
Delta R.T. 0.02 min
Lab File: BG045077.D
Acq: 18 Apr 2020 21:40

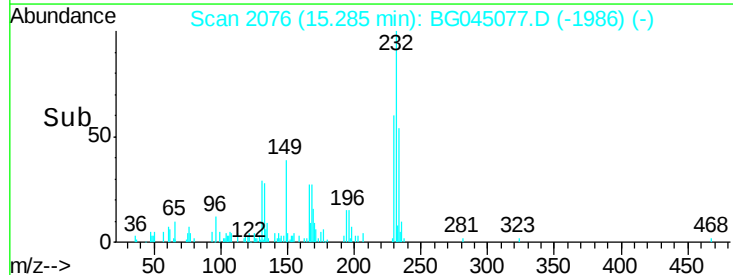
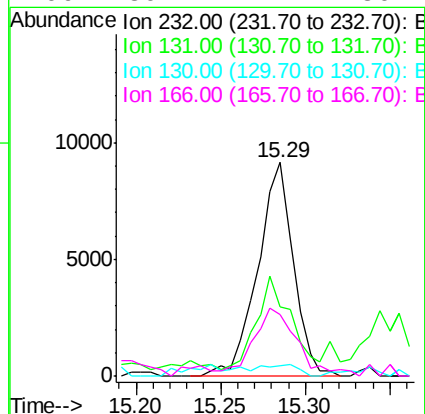
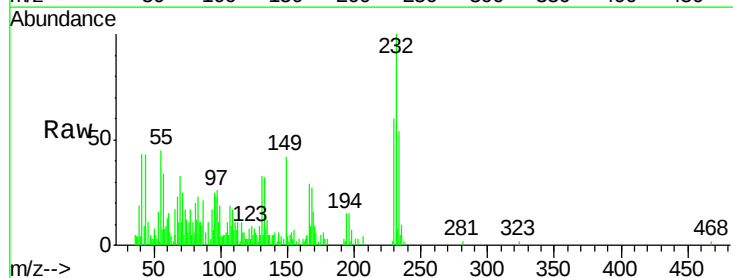
Instrument :
BNA_G
ClientSampleId :
WC-B1

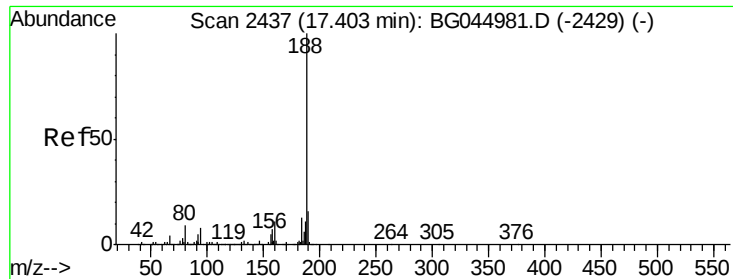
Tot Ion:139 Resp: 9548
Ion Ratio Lower Upper
139 100
109 106.0 73.6 113.6
65 105.3 81.2 121.2



#59
2,3,4,6-Tetrachlorophenol
Concen: 2.823 ng
RT: 15.29 min Scan# 2076
Delta R.T. -0.00 min
Lab File: BG045077.D
Acq: 18 Apr 2020 21:40

Tgt Ion:232 Resp: 13384
Ion Ratio Lower Upper
232 100
131 42.4 32.2 48.2
130 7.1 2.2 3.2#
166 39.4 24.2 36.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

Instrument :

BNA_G

ClientSampleId :

WC-B1

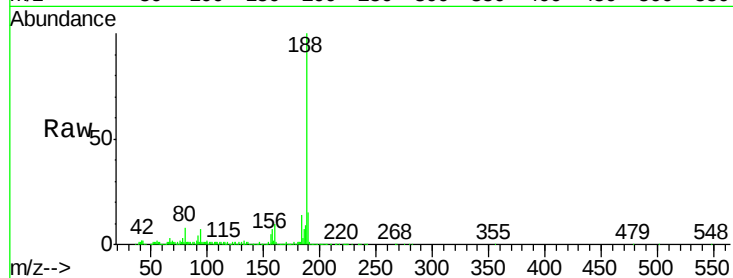
Tot Ion:188 Resp: 426540

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

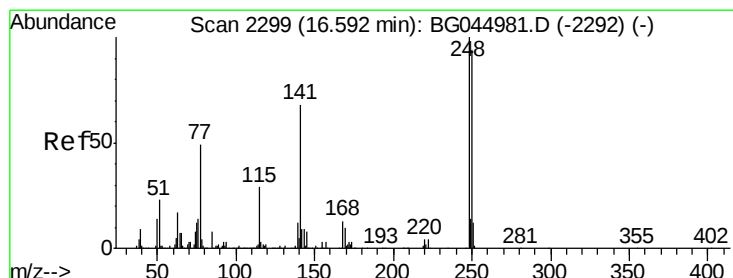
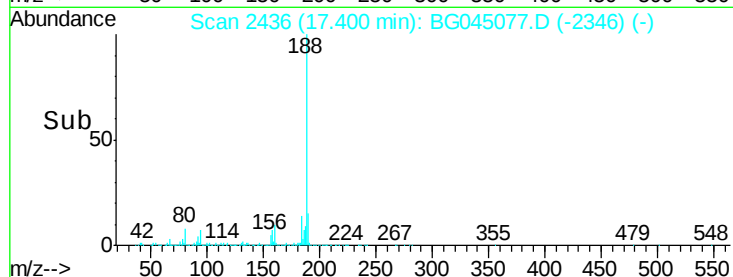
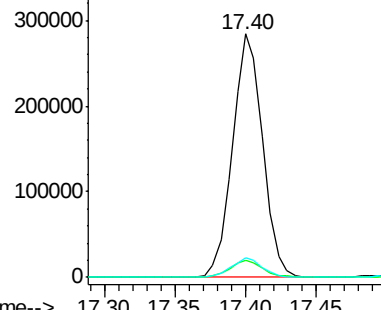
80 7.9 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#67

4-Bromophenyl-phenylether

Concen: 5.310 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

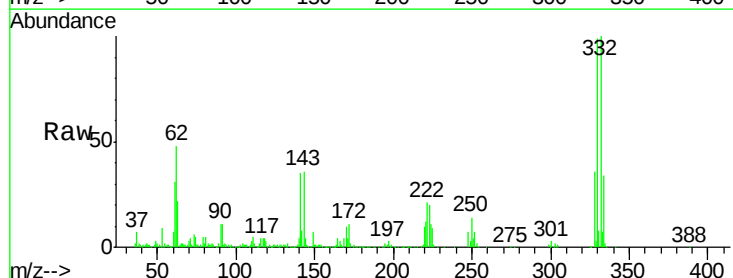
Tgt Ion:248 Resp: 29217

Ion Ratio Lower Upper

248 100

250 197.2 75.4 113.2#

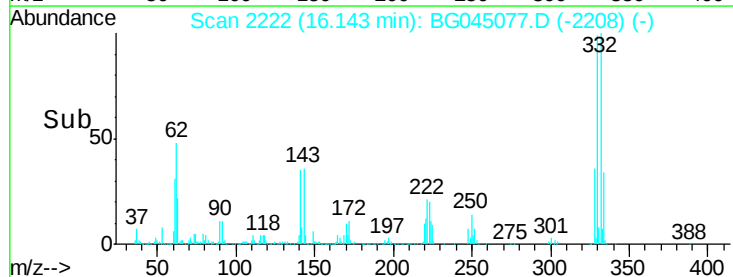
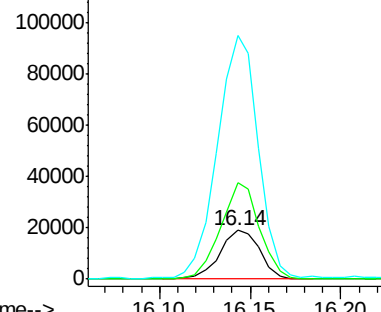
141 497.2 54.4 81.6#

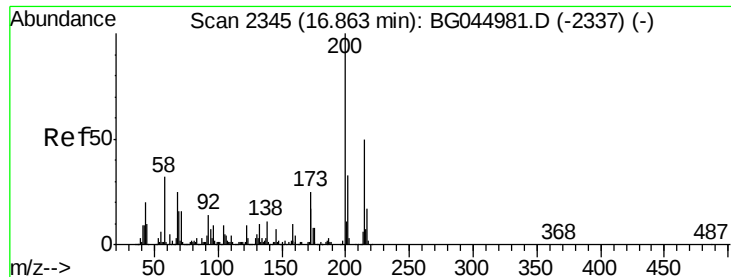


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: 9.574 ng

RT: 17.06 min Scan# 2378

Delta R.T. 0.20 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

Instrument :

BNA_G

ClientSampleId :

WC-B1

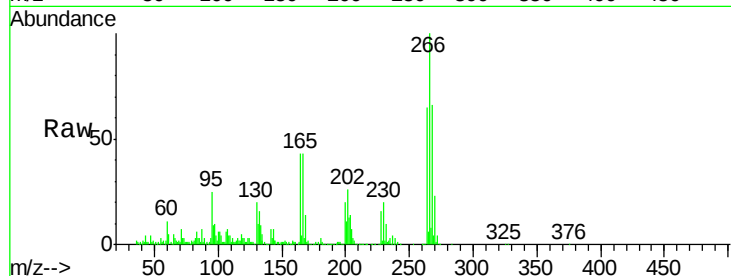
Tot Ion:200 Resp: 59611

Ion Ratio Lower Upper

200 100

173 1.1 4.5 44.5#

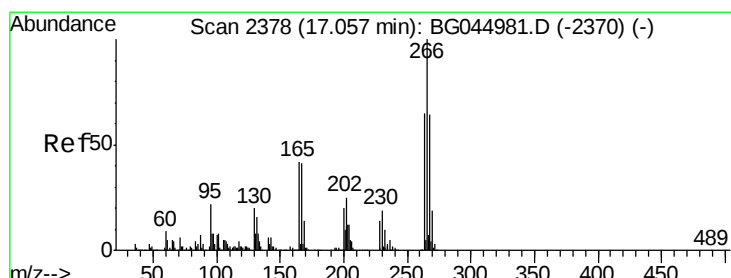
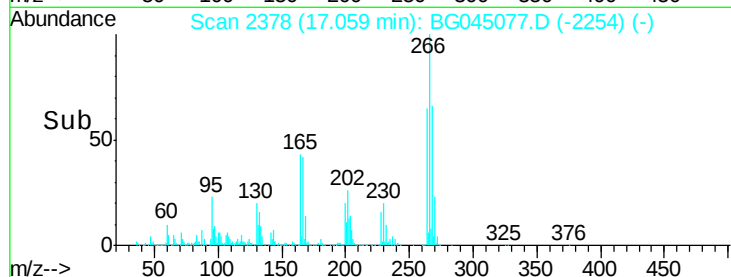
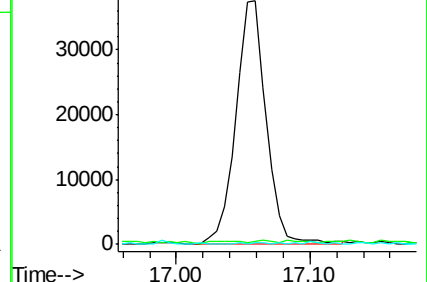
215 0.5 30.0 70.0#



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



#70

Pentachlorophenol

Concen: 85.365 ng

RT: 17.06 min Scan# 2378

Delta R.T. 0.01 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

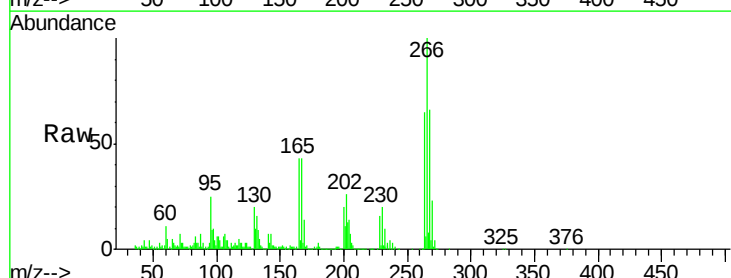
Tgt Ion:266 Resp: 298862

Ion Ratio Lower Upper

266 100

268 65.7 51.5 77.3

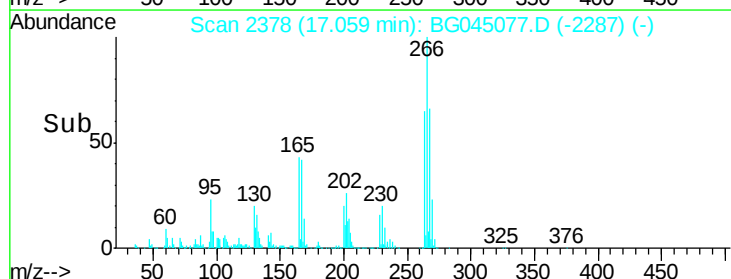
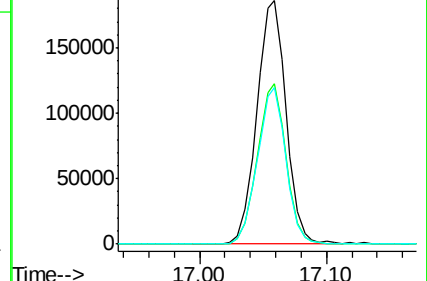
264 64.6 52.2 78.4

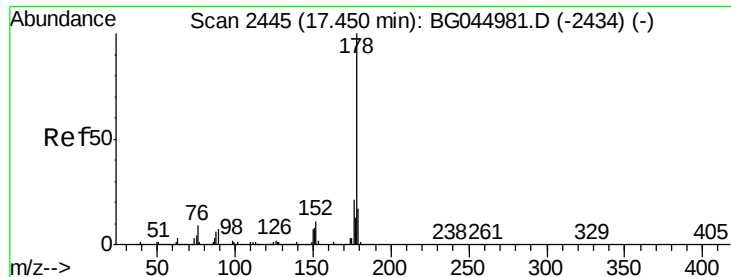


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 3.160 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

Instrument :

BNA_G

ClientSampleId :

WC-B1

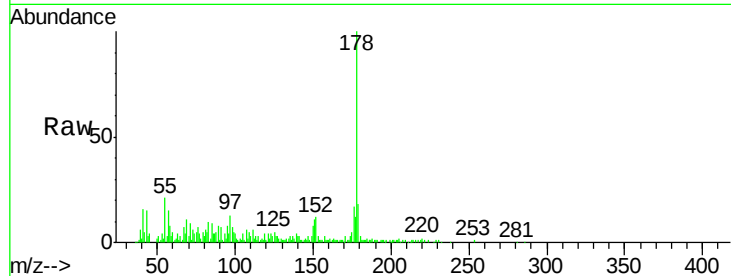
Tot Ion:178 Resp: 69266

Ion Ratio Lower Upper

178 100

176 16.6 16.8 25.2#

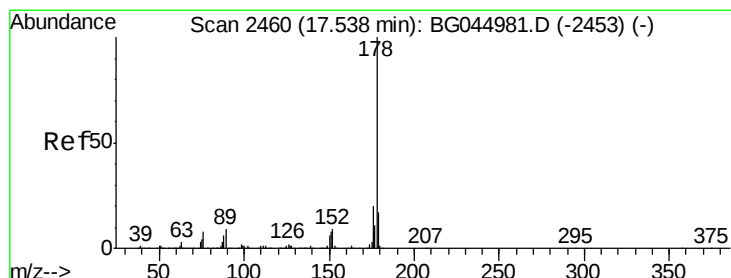
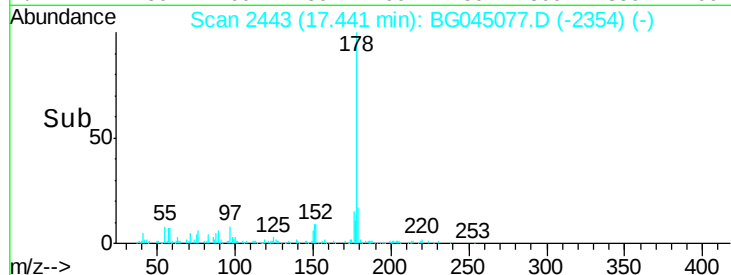
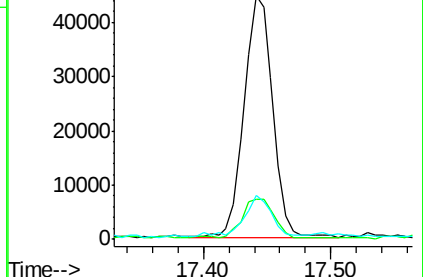
179 18.2 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.150 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.09 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

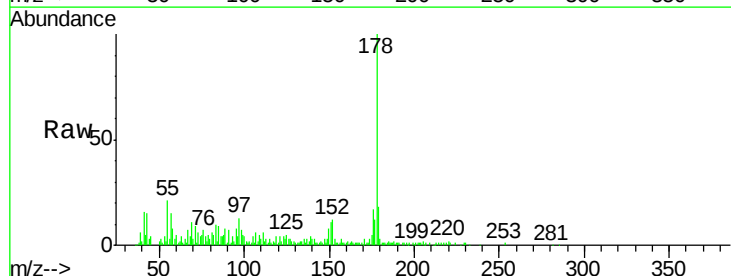
Tgt Ion:178 Resp: 69266

Ion Ratio Lower Upper

178 100

176 16.6 16.0 24.0

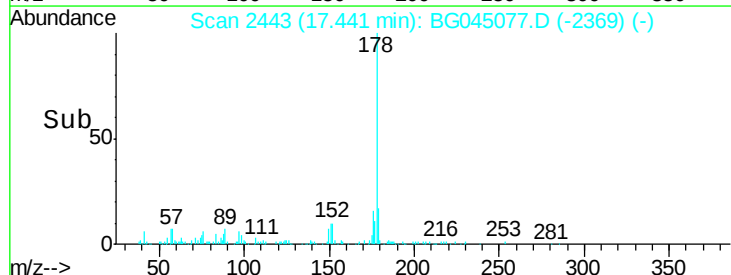
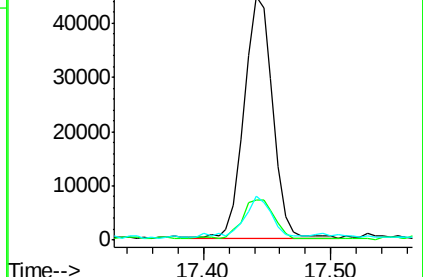
179 18.2 13.6 20.4

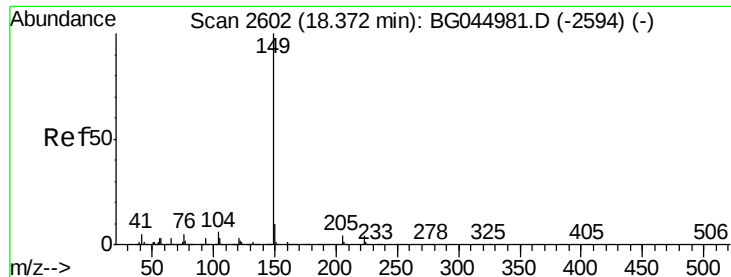


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 298.892 ng

RT: 18.39 min Scan# 2605

Delta R.T. 0.02 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

Instrument :

BNA_G

ClientSampleId :

WC-B1

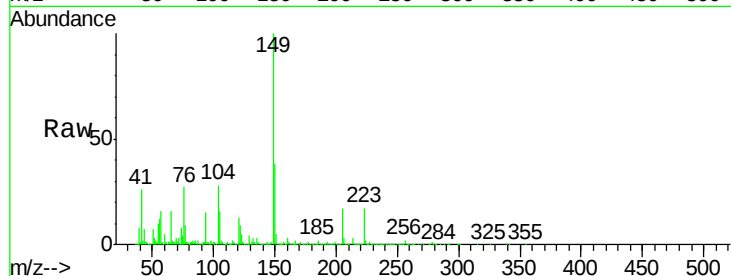
Tot Ion:149 Resp: 6427671

Ion Ratio Lower Upper

149 100

150 37.8 8.2 12.2#

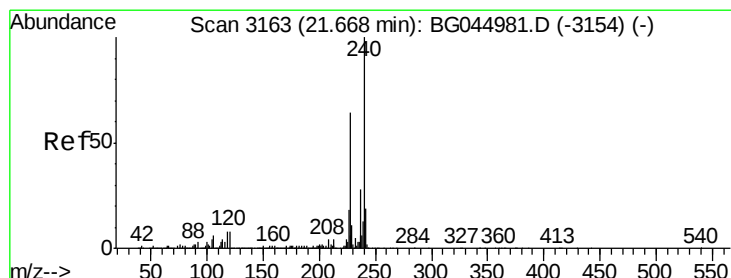
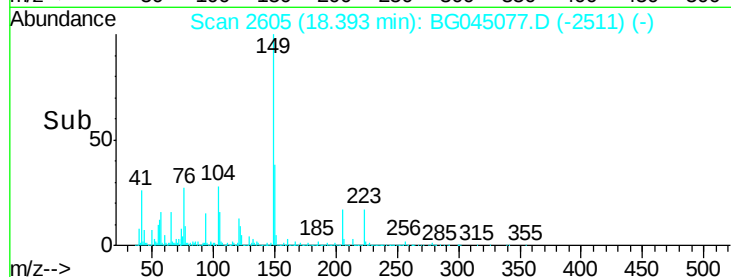
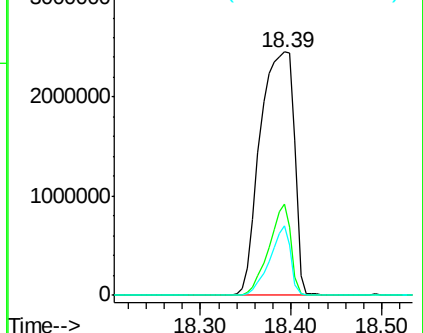
104 28.5 4.8 7.2#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3163

Delta R.T. 0.01 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

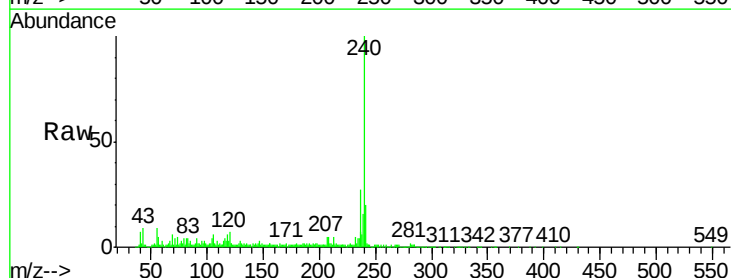
Tgt Ion:240 Resp: 398116

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

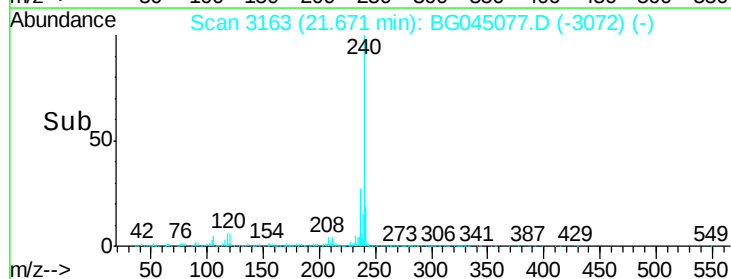
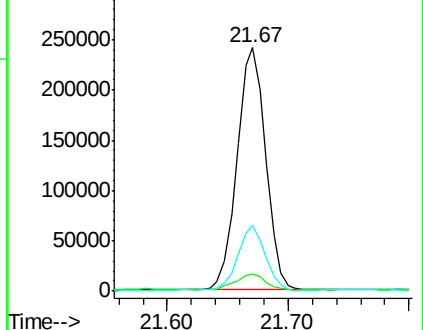
236 27.0 22.2 33.2

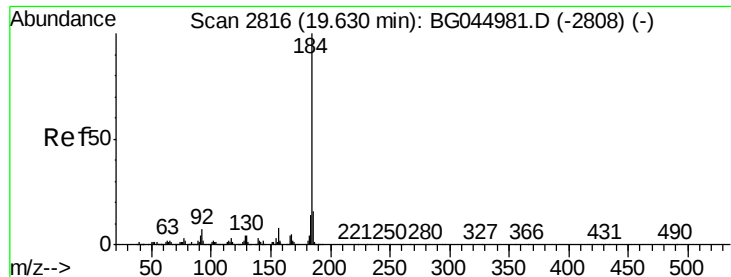


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.59 min Scan# 2809

Delta R.T. -0.04 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

Instrument :

BNA_G

ClientSampleId :

WC-B1

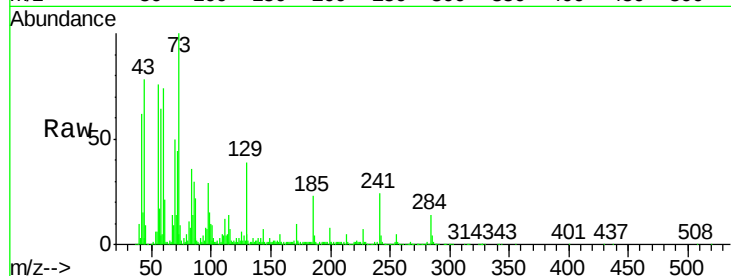
Tot Ion:184 Resp: 2330

Ion Ratio Lower Upper

184 100

185 2669.1 12.6 19.0#

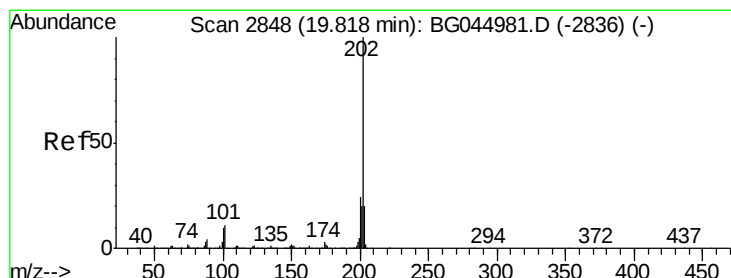
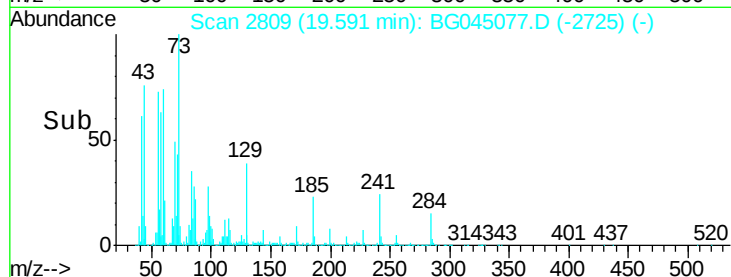
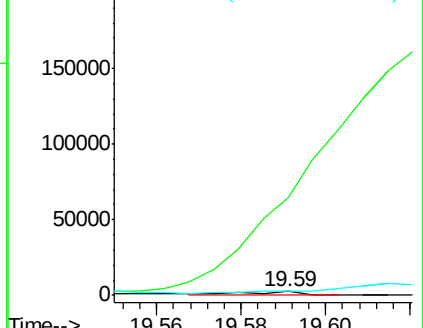
183 108.6 11.3 16.9#



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



#78

Pyrene

Concen: 3.475 ng

RT: 19.81 min Scan# 2847

Delta R.T. 0.01 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

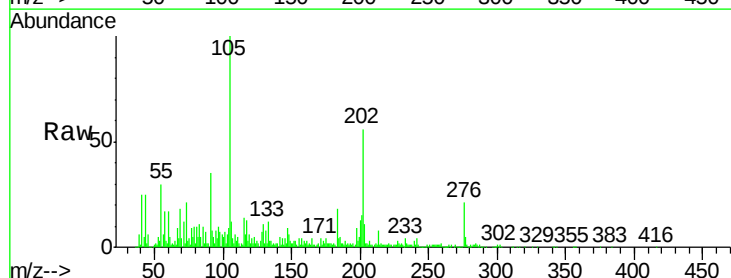
Tgt Ion:202 Resp: 95371

Ion Ratio Lower Upper

202 100

200 22.7 19.0 28.6

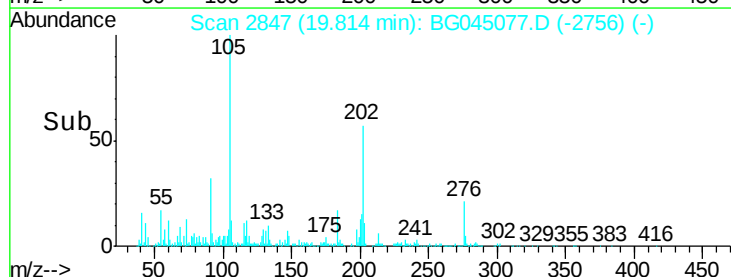
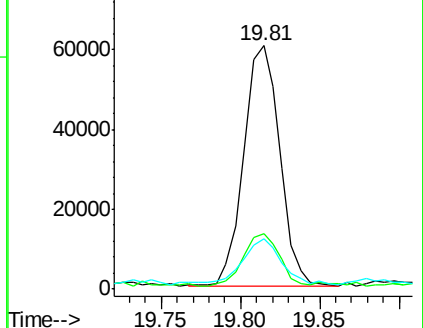
203 20.4 16.1 24.1

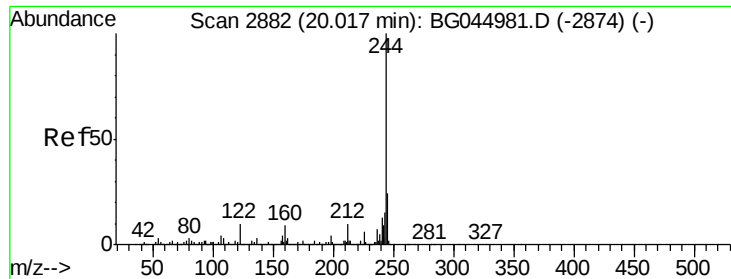


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 103.782 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.01 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

Instrument :

BNA_G

ClientSampleId :

WC-B1

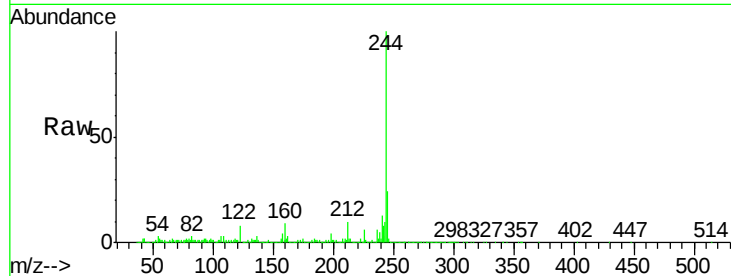
Tot Ion:244 Resp: 1895655

Ion Ratio Lower Upper

244 100

212 9.9 7.9 11.9

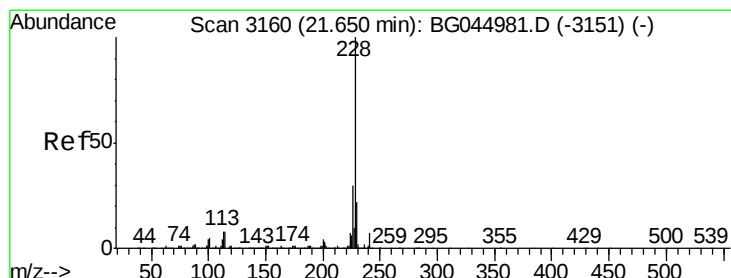
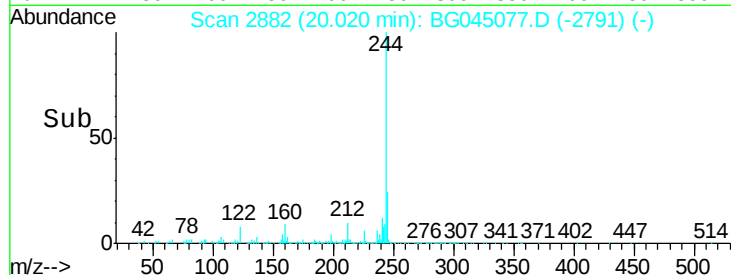
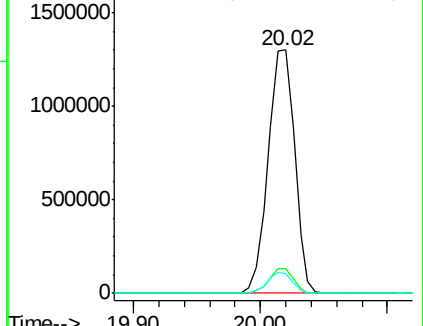
122 8.2 7.7 11.5



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



#81

Benzo(a)anthracene

Concen: 3.050 ng

RT: 21.72 min Scan# 3171

Delta R.T. 0.07 min

Lab File: BG045077.D

Acq: 18 Apr 2020 21:40

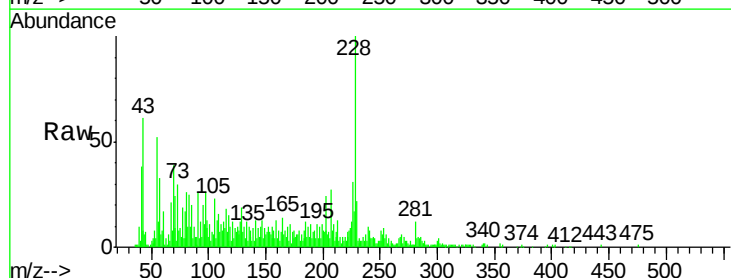
Tgt Ion:228 Resp: 78711

Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

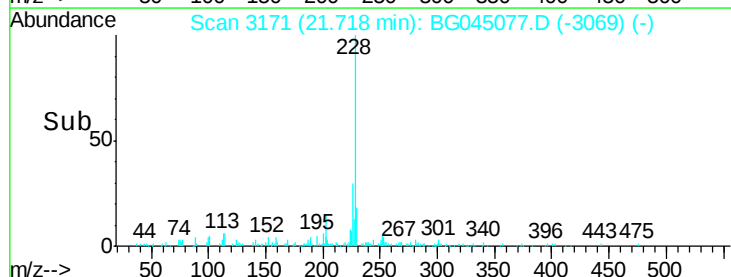
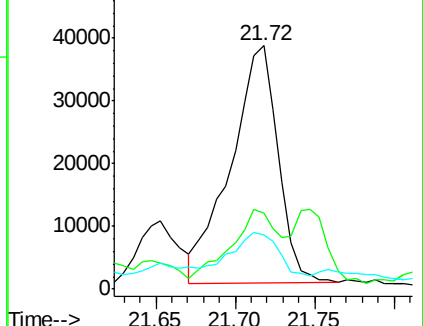
229 22.1 17.5 26.3

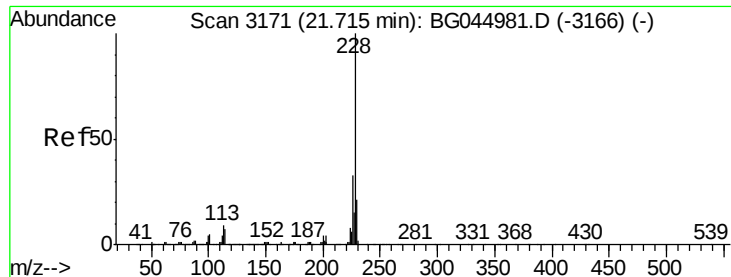


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

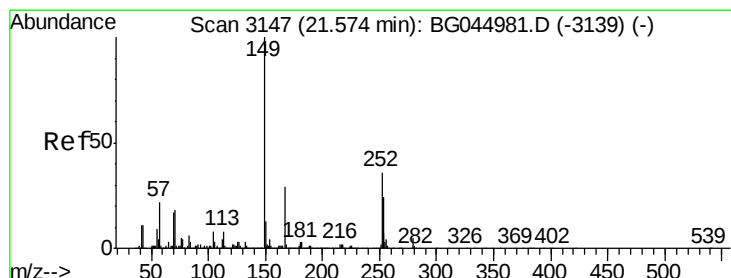
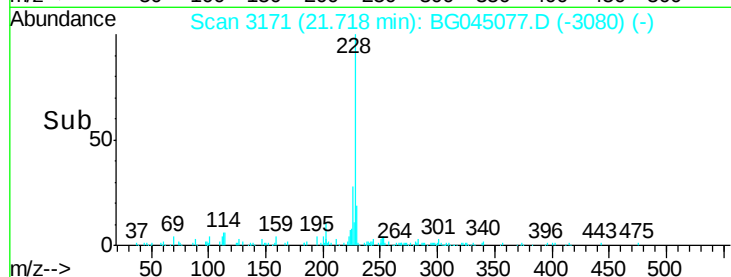
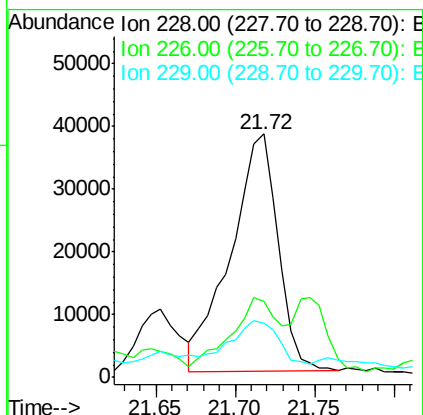
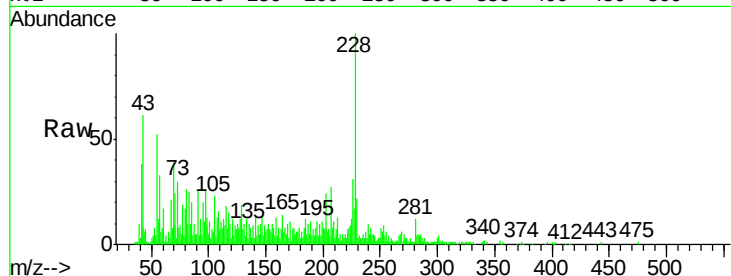




#83
 Chrysene
 Concen: 3.175 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. 0.01 min
 Lab File: BG045077.D
 Acq: 18 Apr 2020 21:40

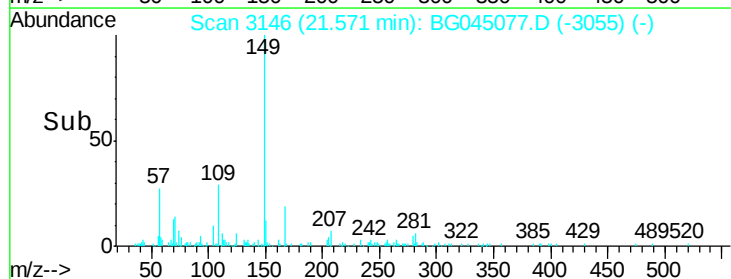
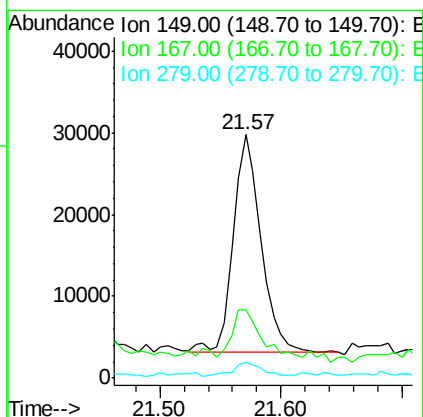
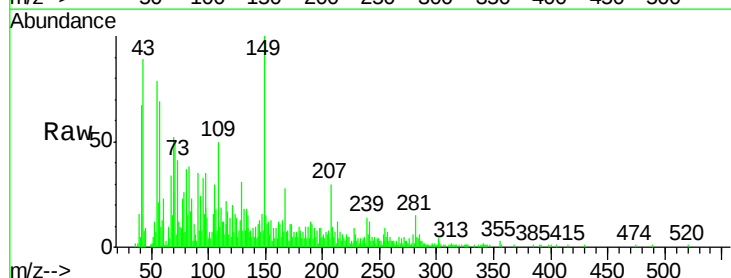
Instrument :
 BNA_G
 ClientSampled :
 WC-B1

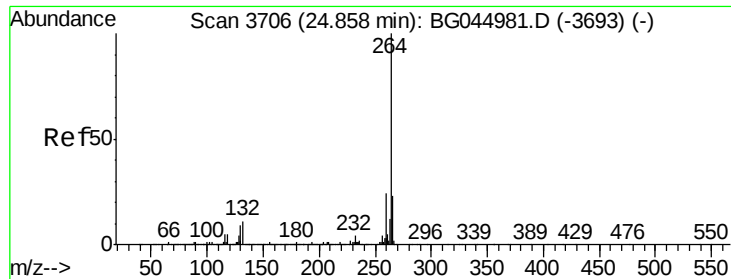
Tot Ion:228 Resp: 78711
 Ion Ratio Lower Upper
 228 100
 226 30.9 26.2 39.4
 229 22.1 17.0 25.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.733 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. 0.01 min
 Lab File: BG045077.D
 Acq: 18 Apr 2020 21:40

Tgt Ion:149 Resp: 42757
 Ion Ratio Lower Upper
 149 100
 167 28.1 23.4 35.0
 279 6.5 4.3 6.5#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3706
Delta R.T. 0.01 min
Lab File: BG045077.D
Acq: 18 Apr 2020 21:40

Instrument :
BNA_G
ClientSampleId :
WC-B1

Tot Ion:	264	Resp:	434184
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.2	19.0	28.4

