

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045080.D
 Acq On : 18 Apr 2020 23:40
 Operator : CG/JU
 Sample : L2304-09
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-F1

Quant Time: Apr 20 00:25:47 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	81392	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	322400	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	213607	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	413355	20.00	ng	0.00
76) Chrysene-d12	21.68	240	373463	20.00	ng	0.02
87) Perylene-d12	24.90	264	391615	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	546243	110.80	ng	0.00
7) Phenol-d6	7.19	99	841775	114.92	ng	0.01
23) Nitrobenzene-d5	9.18	82	555043	78.55	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	348572	105.63	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1224436	84.05	ng	0.00
79) Terphenyl-d14	20.02	244	1541339	89.95	ng	0.01

Target Compounds

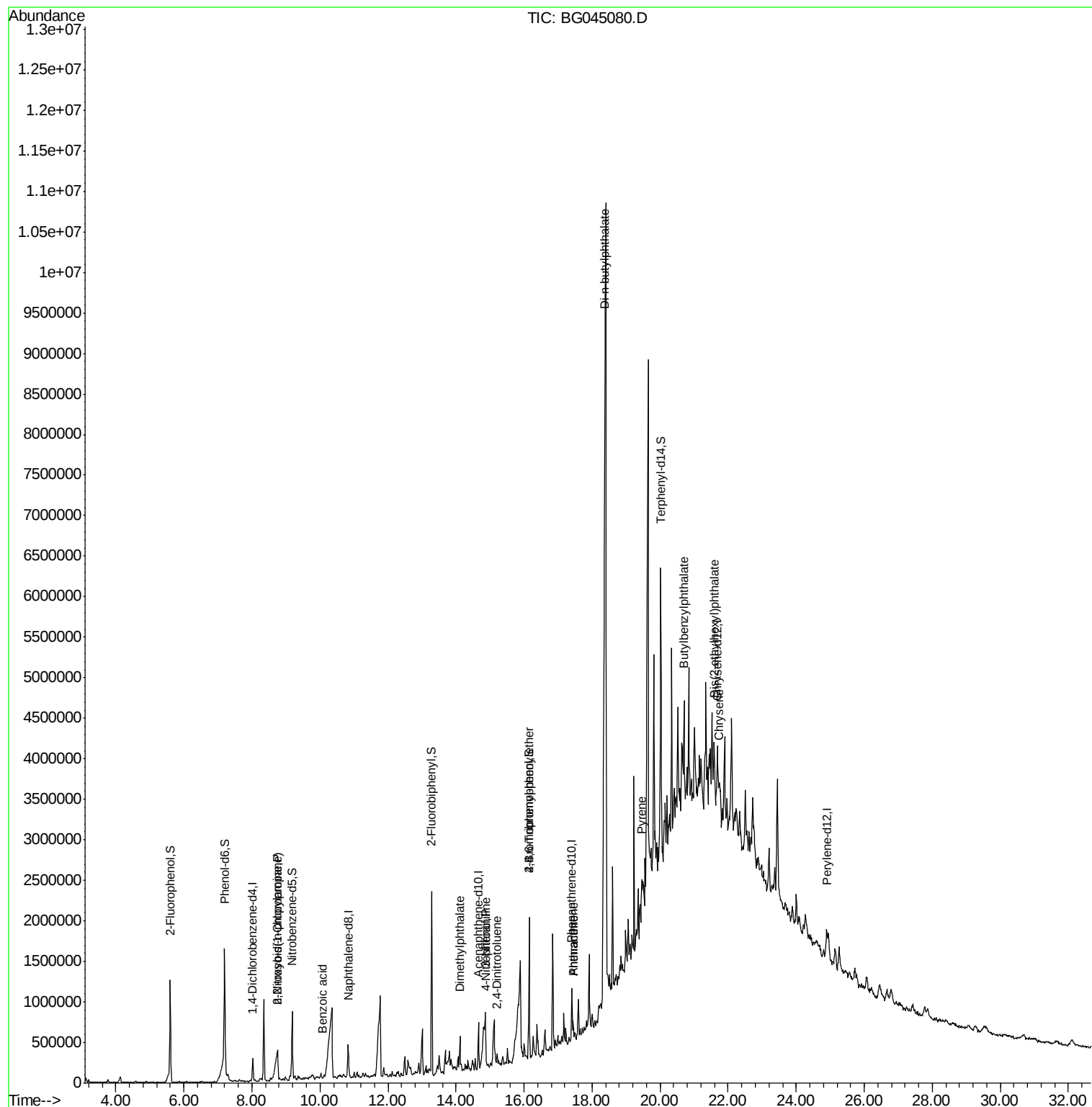
						Qvalue
9) Benzaldehyde	7.17	77	2570	Below Cal	#	35
16) 2,2'-oxybis(1-Chloropropan	8.76	45	70097	12.236	ng	70
19) n-Nitroso-di-n-propylamine	8.76	70	28151	5.434	ng	32
32) Benzoic acid	10.07	122	1205	6.635	ng	50
50) Dimethylphthalate	14.11	163	73936	4.251	ng	97
53) 3-Nitroaniline	14.87	138	210604	49.360	ng	2
56) 4-Nitrophenol	14.88	139	13647	4.125	ng	82
57) 2,4-Dinitrotoluene	15.21	165	59459	10.458	ng	26
67) 4-Bromophenyl-phenylether	16.15	248	23052	4.323	ng	1
69) Atrazine	16.88	200	702	Below Cal	#	23
71) Phenanthrene	17.45	178	119043	5.604	ng	94
72) Anthracene	17.45	178	119043	5.587	ng	96
74) Di-n-butylphthalate	18.37	149	269214	6.204	ng	99
75) Fluoranthene	19.45	202	118620	Below Cal		94
77) Benzidine	19.65	184	5267	Below Cal	#	1
78) Pyrene	19.45	202	118620	4.607	ng	95
80) Butylbenzylphthalate	20.71	149	43717	4.096	ng	47
83) Chrysene	21.73	228	118324	5.088	ng	93
84) Bis(2-ethylhexyl)phthalate	21.58	149	230626	15.712	ng	99

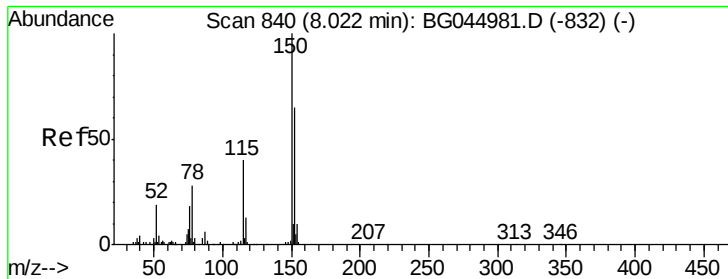
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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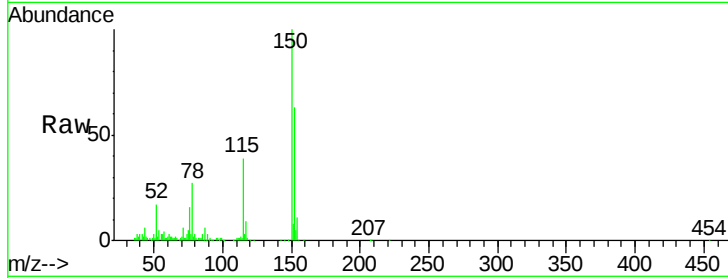


#1

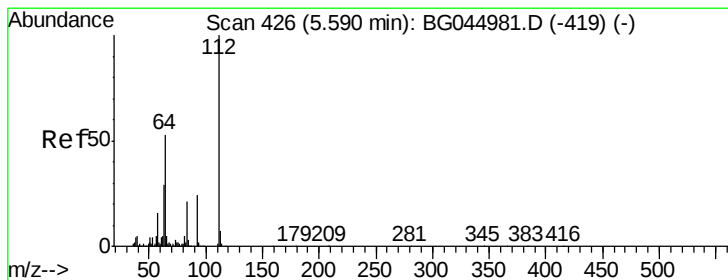
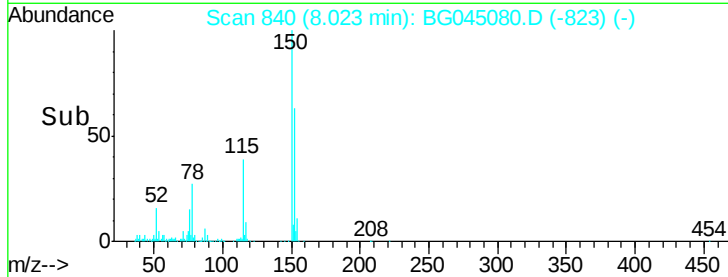
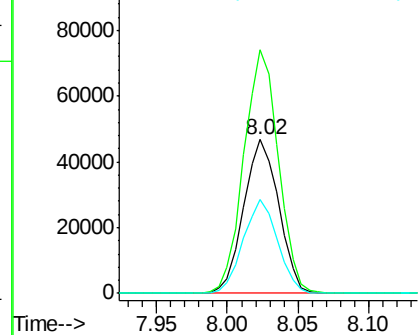
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	123.6	185.4
115	61.3	49.1	73.7



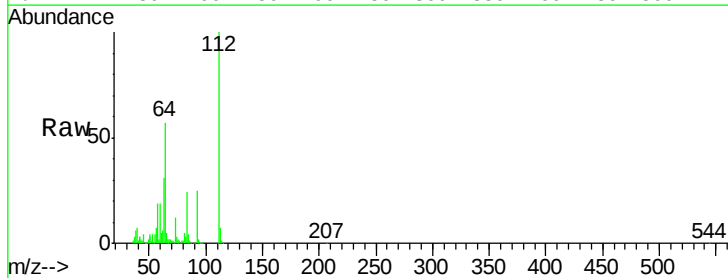
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



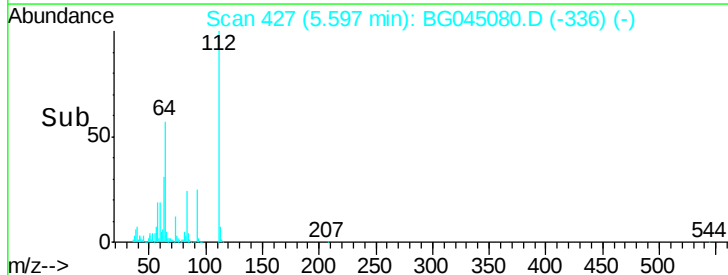
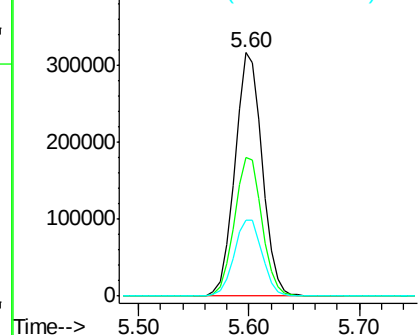
#5

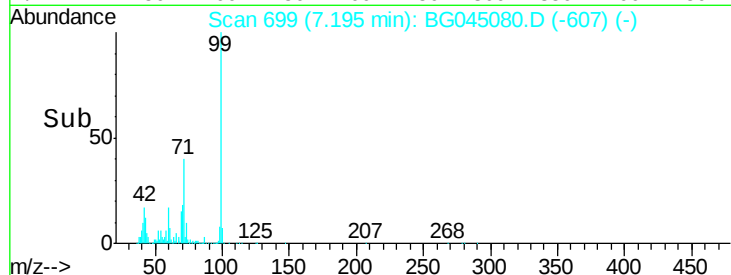
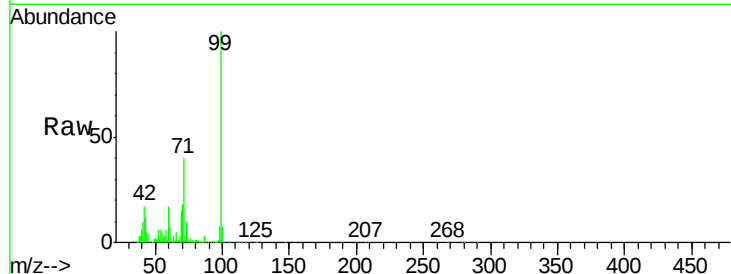
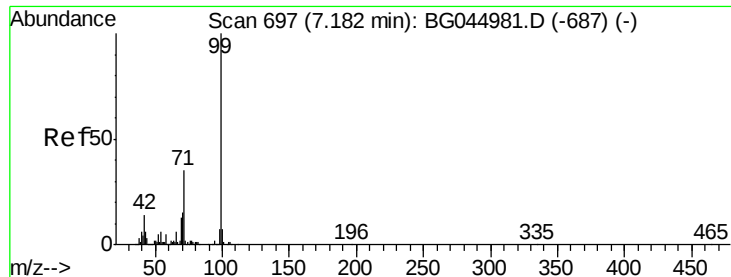
2-Fluorophenol
Concen: 110.799 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	42.4	63.6
63	31.3	23.1	34.7



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





#7

Phenol-d6

Concen: 114.922 ng

RT: 7.19 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG045080.D

Acq: 18 Apr 2020 23:40

Instrument :

BNA_G

ClientSampleId :

WC-F1

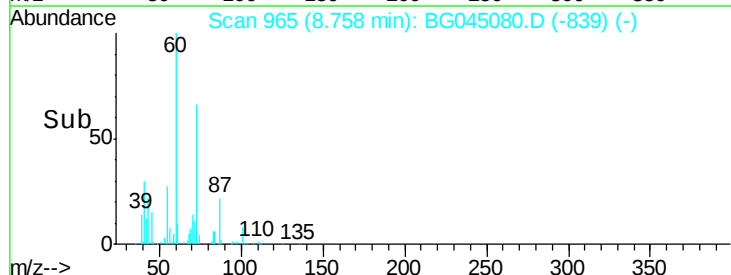
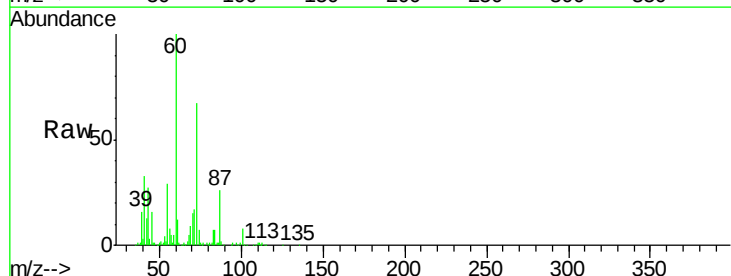
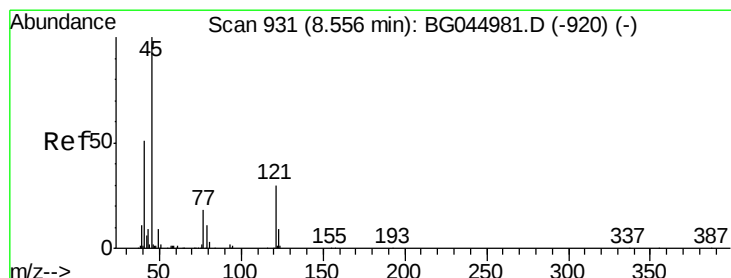
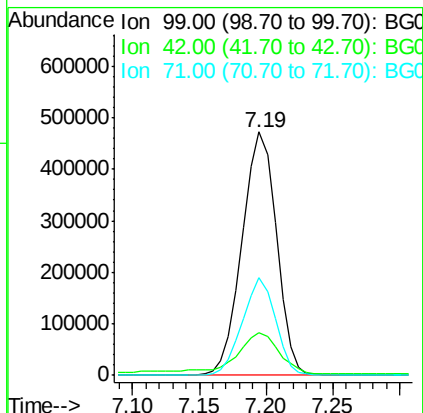
Tot Ion: 99 Resp: 841775

Ion Ratio Lower Upper

99 100

42 17.3 11.3 16.9#

71 39.9 28.3 42.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 12.236 ng

RT: 8.76 min Scan# 965

Delta R.T. 0.21 min

Lab File: BG045080.D

Acq: 18 Apr 2020 23:40

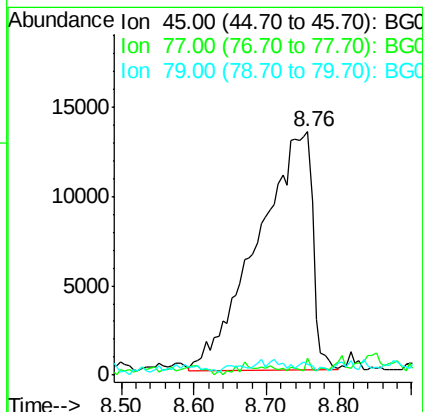
Tgt Ion: 45 Resp: 70097

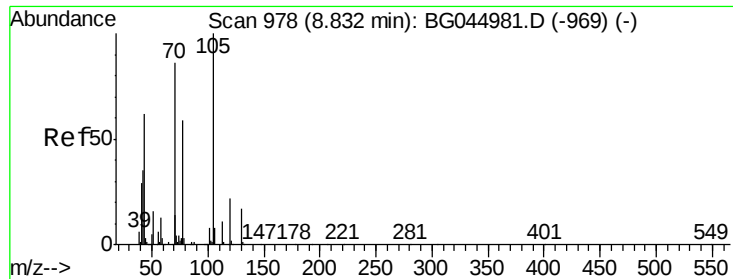
Ion Ratio Lower Upper

45 100

77 6.7 1.9 41.9

79 4.2 0.0 35.5

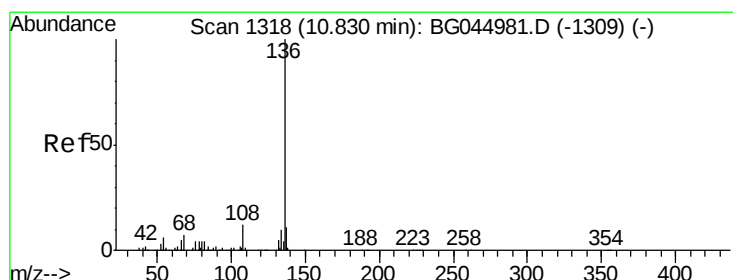
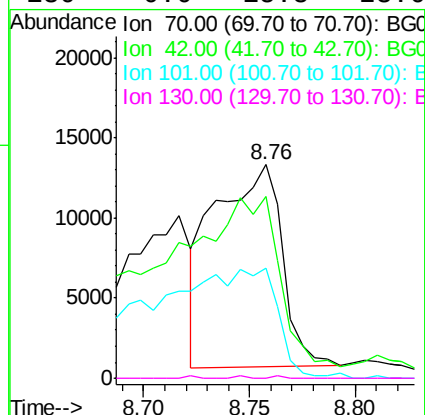
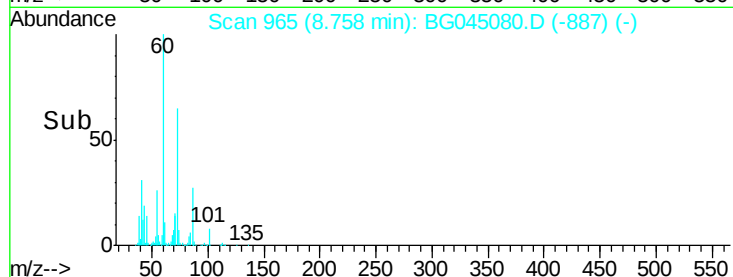
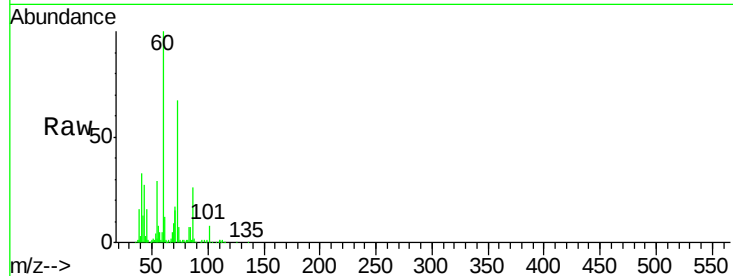




#19
n-Nitroso-di-n-propylamine
Concen: 5.434 ng
RT: 8.76 min Scan# 965
Delta R.T. -0.07 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

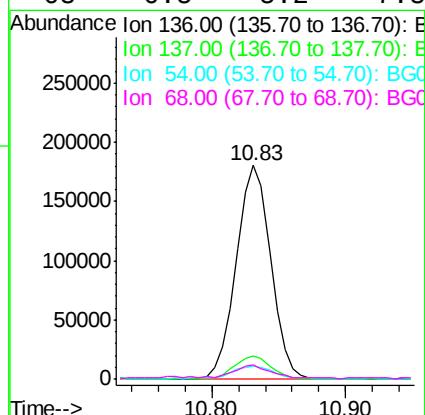
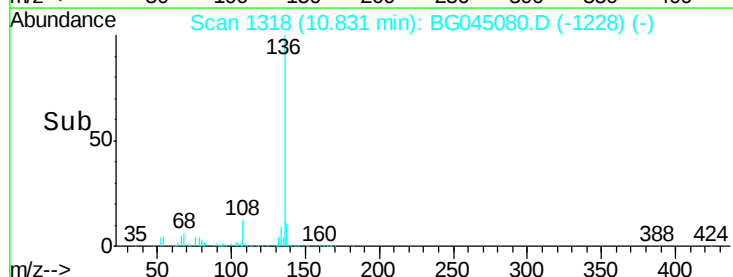
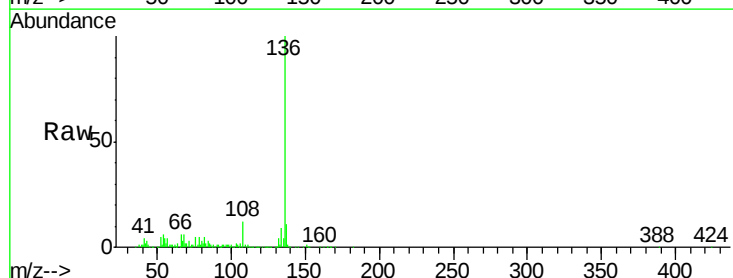
Instrument :
BNA_G
ClientSampleId :
WC-F1

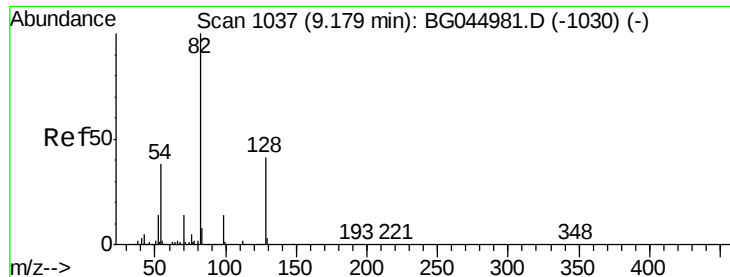
Tot Ion:	70	Resp:	28151
Ion	Ratio	Lower	Upper
70	100		
42	85.3	33.3	49.9#
101	51.3	7.8	11.8#
130	0.0	15.8	23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

Tgt Ion:	136	Resp:	322400
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	6.2	4.8	7.2
68	6.5	5.2	7.8

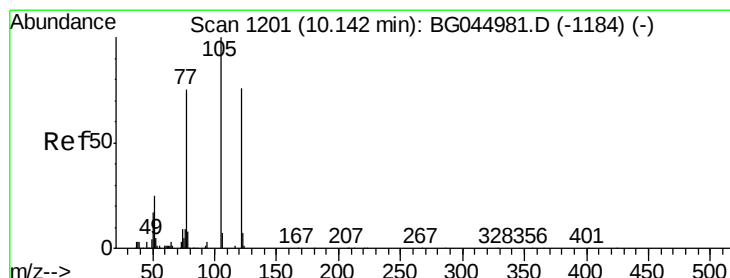
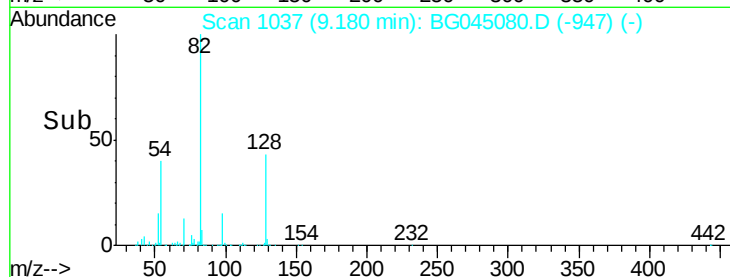
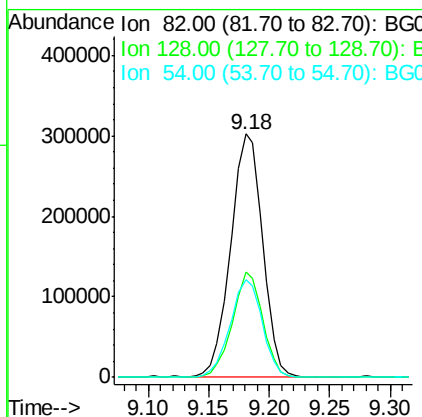
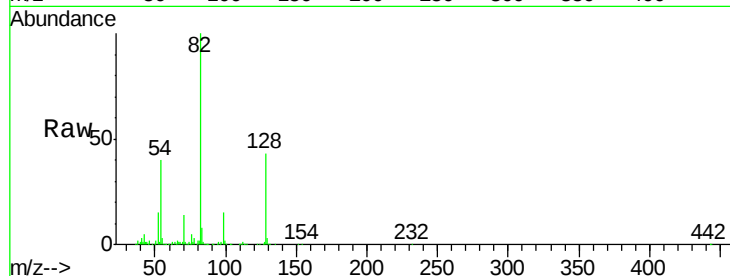




#23
 Nitrobenzene-d5
 Concen: 78.554 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BG045080.D
 Acq: 18 Apr 2020 23:40

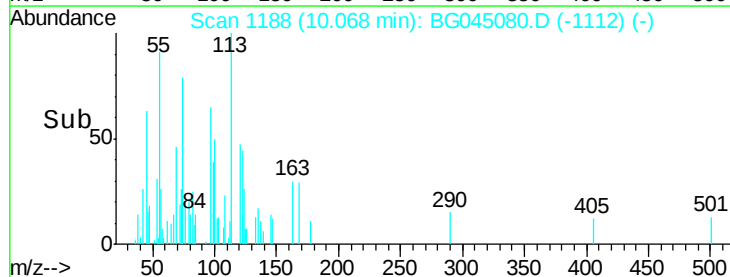
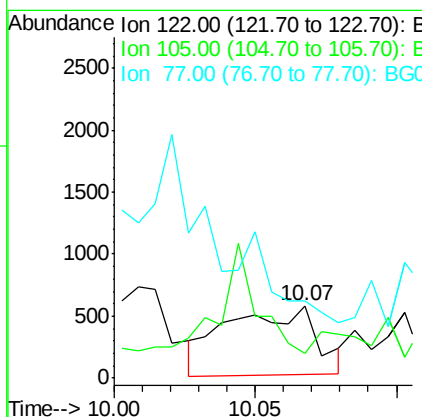
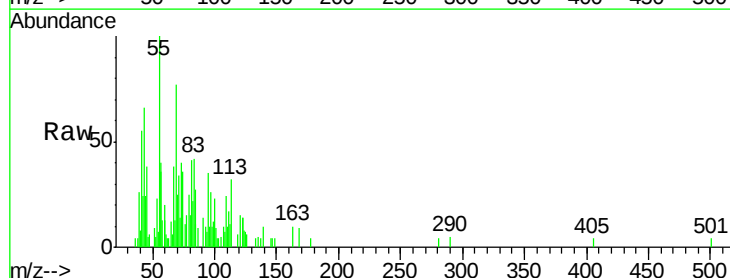
Instrument :
 BNA_G
 ClientSampleId :
 WC-F1

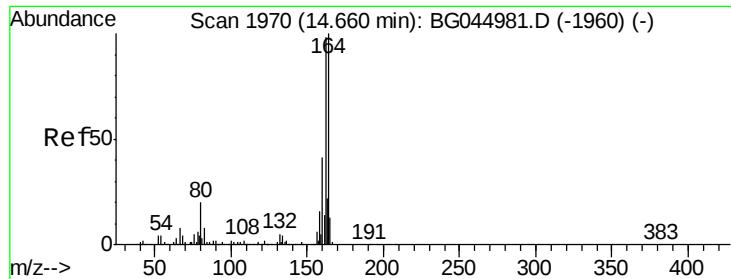
Tot Ion: 82 Resp: 555043
 Ion Ratio Lower Upper
 82 100
 128 43.2 33.0 49.4
 54 40.3 30.4 45.6



#32
 Benzoic acid
 Concen: 6.635 ng
 RT: 10.07 min Scan# 1188
 Delta R.T. -0.08 min
 Lab File: BG045080.D
 Acq: 18 Apr 2020 23:40

Tgt Ion: 122 Resp: 1205
 Ion Ratio Lower Upper
 122 100
 105 33.3 108.4 148.4#
 77 107.2 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: BG045080.D

Acq: 18 Apr 2020 23:40

Instrument :

BNA_G

ClientSampleId :

WC-F1

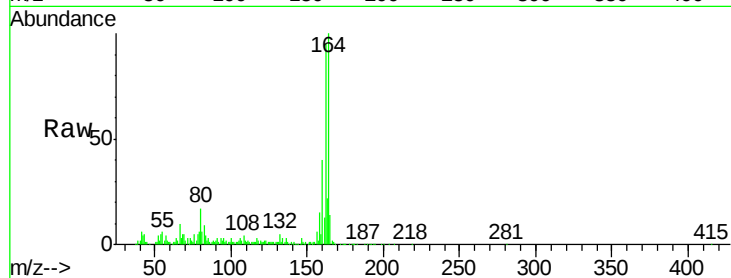
Tot Ion:164 Resp: 213607

Ion Ratio Lower Upper

164 100

162 94.9 78.7 118.1

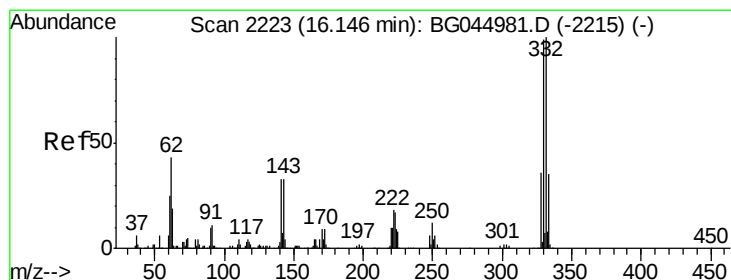
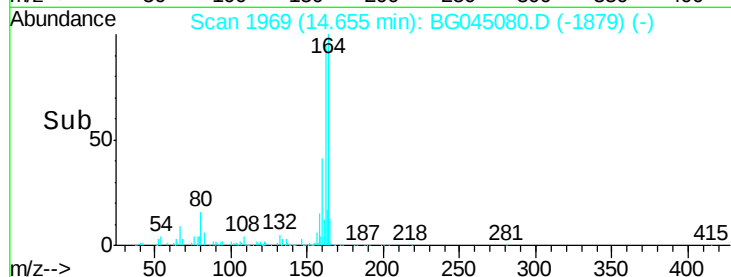
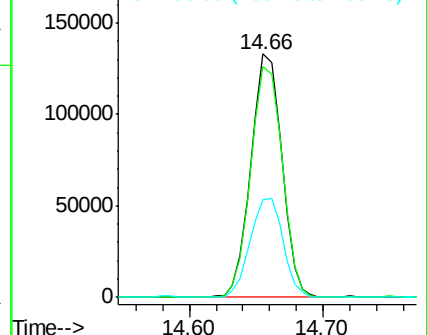
160 40.4 32.8 49.2



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: 105.630 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG045080.D

Acq: 18 Apr 2020 23:40

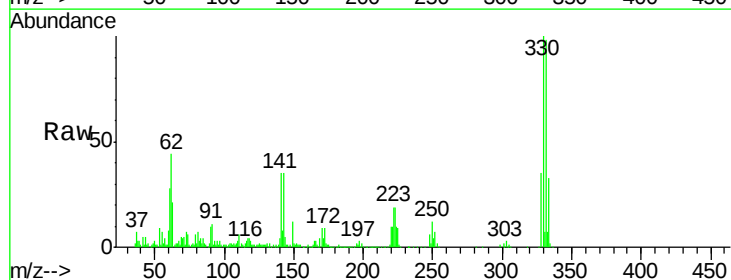
Tgt Ion:330 Resp: 348572

Ion Ratio Lower Upper

330 100

332 95.9 79.1 118.7

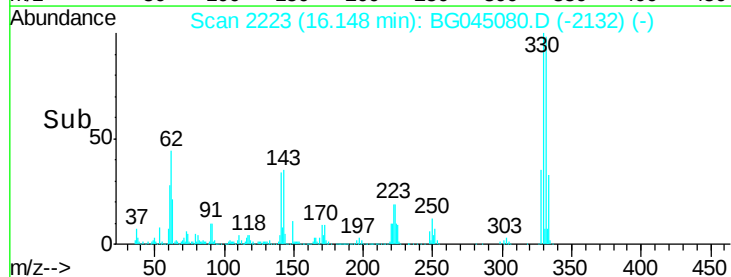
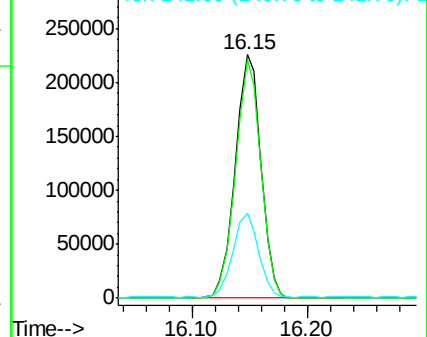
141 34.4 27.1 40.7

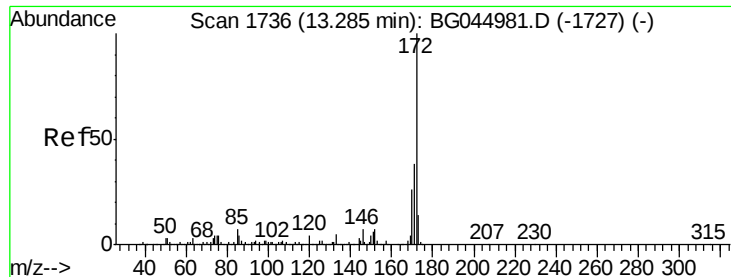


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

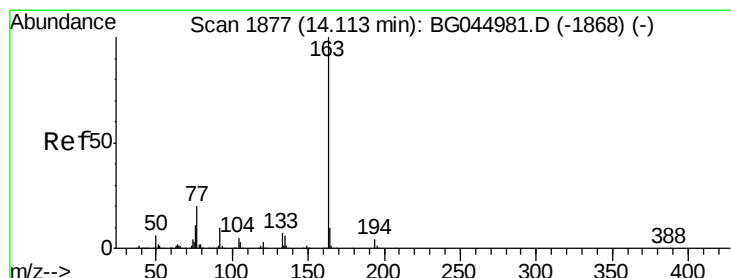
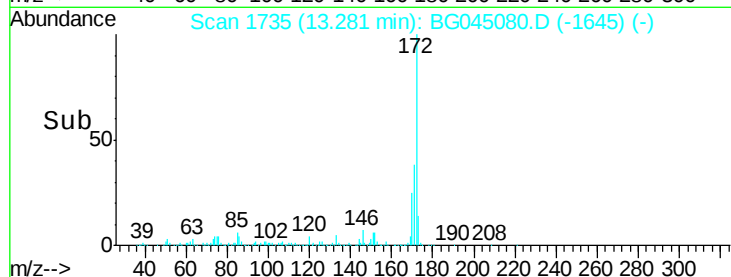
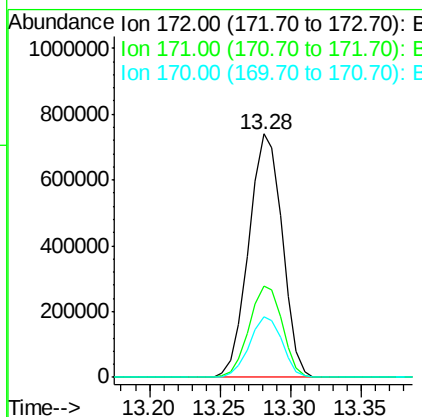
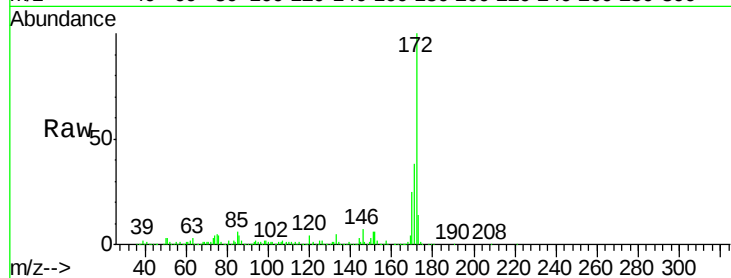




#45
2-Fluorobiphenyl
Concen: 84.052 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

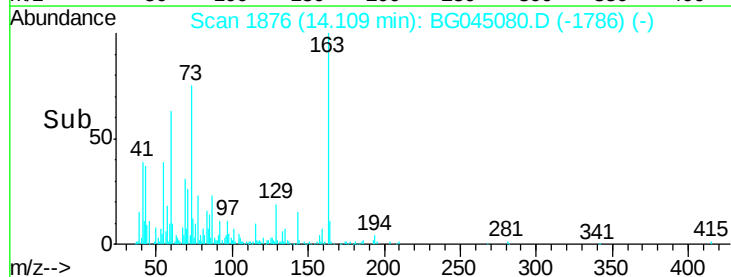
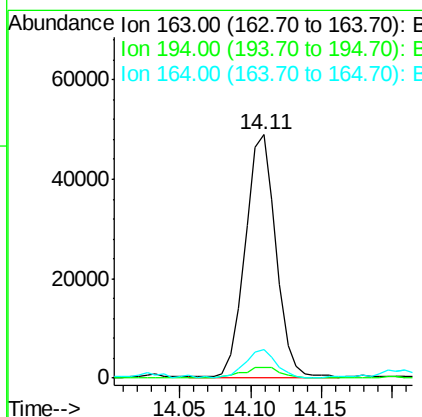
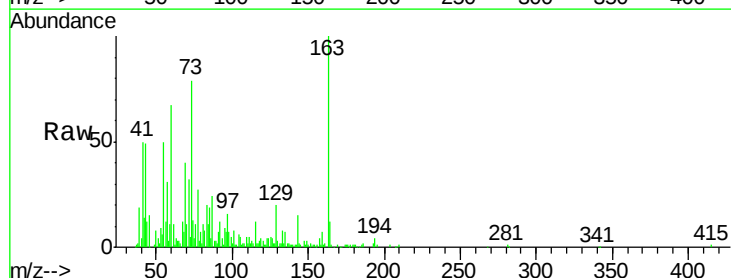
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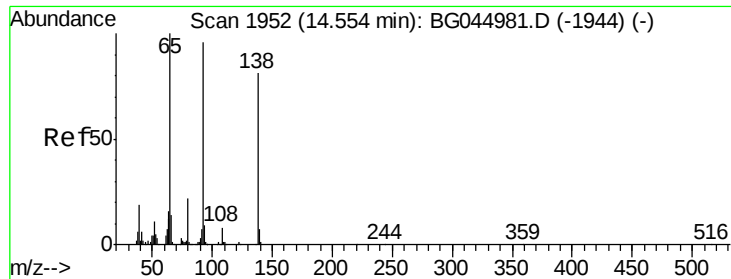
Tot Ion:172 Resp: 1224436
Ion Ratio Lower Upper
172 100
171 37.5 30.6 46.0
170 25.1 20.5 30.7



#50
Dimethylphthalate
Concen: 4.251 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

Tgt Ion:163 Resp: 73936
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 11.9 8.2 12.4

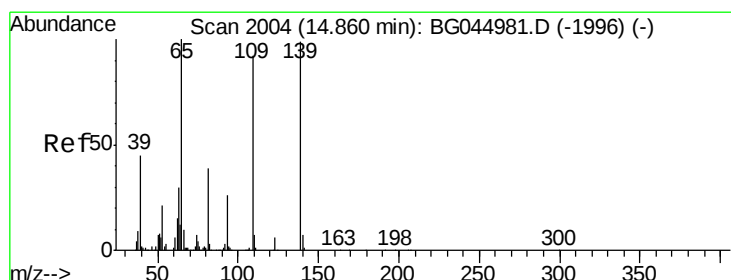
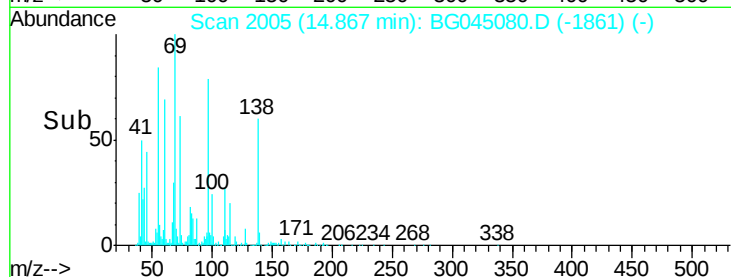
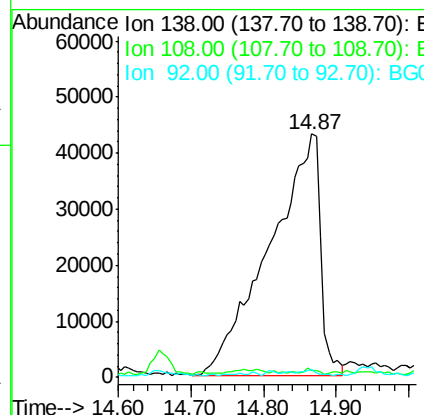
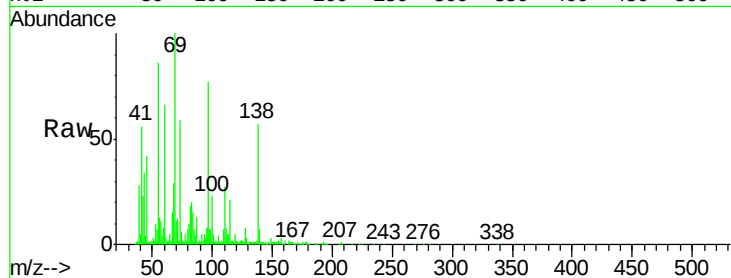




#53
3-Nitroaniline
Concen: 49.360 ng
RT: 14.87 min Scan# 2005
Delta R.T. 0.32 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

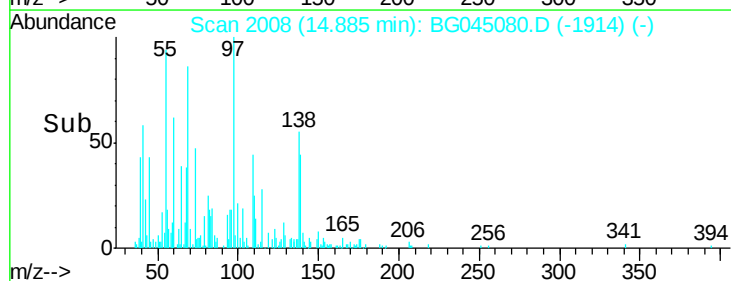
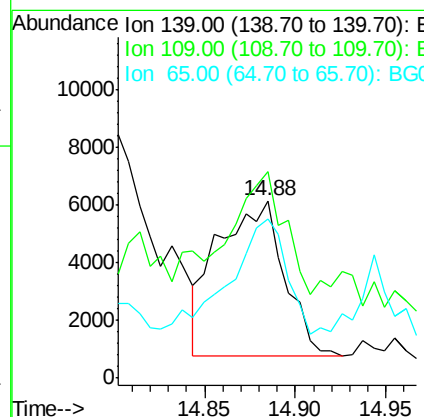
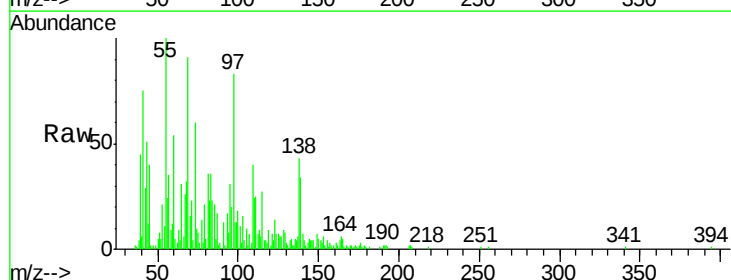
Instrument :
BNA_G
ClientSampleId :
WC-F1

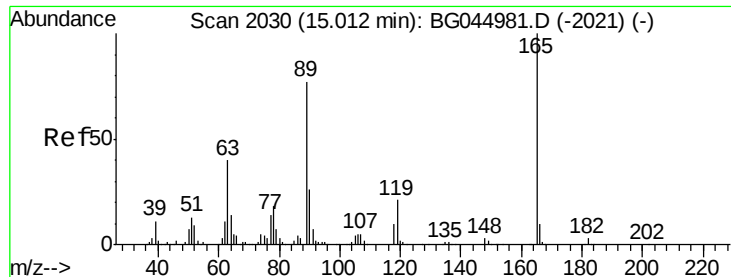
Tot Ion:138 Resp: 210604
Ion Ratio Lower Upper
138 100
108 2.6 7.8 11.8#
92 3.1 94.5 141.7#



#56
4-Nitrophenol
Concen: 4.125 ng
RT: 14.88 min Scan# 2008
Delta R.T. 0.02 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

Tgt Ion:139 Resp: 13647
Ion Ratio Lower Upper
139 100
109 116.8 73.6 113.6#
65 89.6 81.2 121.2





#57

2,4-Dinitrotoluene

Concen: 10.458 ng

RT: 15.21 min Scan# 2064

Delta R.T. 0.20 min

Lab File: BG045080.D

Acq: 18 Apr 2020 23:40

Instrument :

BNA_G

ClientSampleId :

WC-F1

Tot Ion:165 Resp: 59459

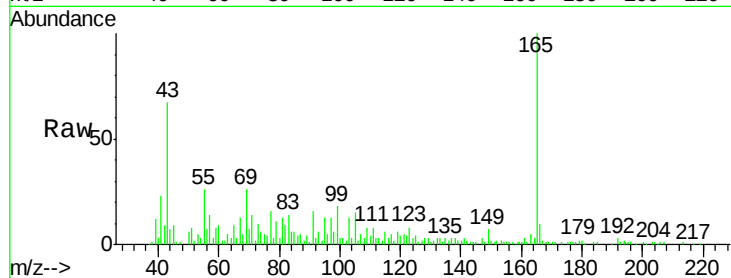
Ion Ratio Lower Upper

165 100

63 5.0 32.2 48.2#

89 3.6 61.7 92.5#

182 0.0 2.0 3.0#



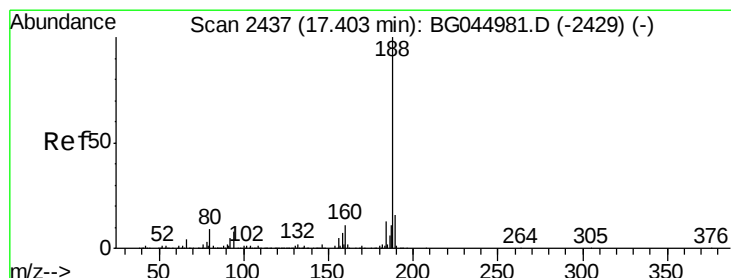
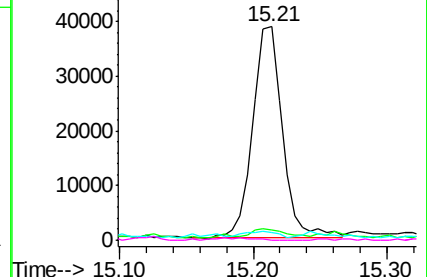
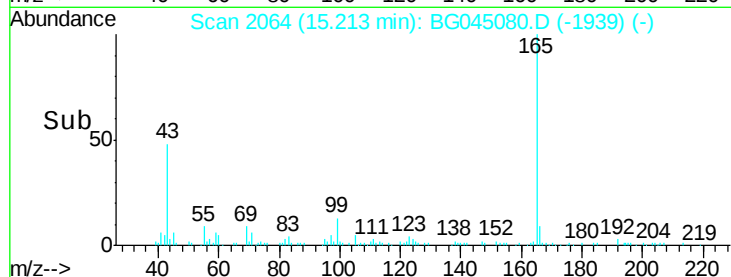
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time--> 15.10 15.20 15.30



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG045080.D

Acq: 18 Apr 2020 23:40

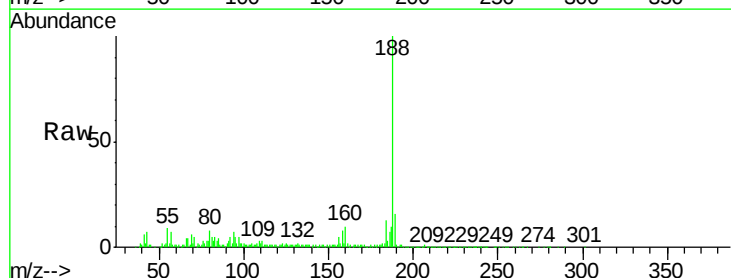
Tgt Ion:188 Resp: 413355

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

80 8.2 7.0 10.6

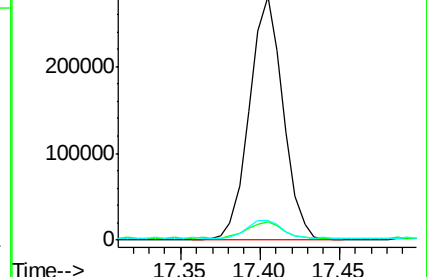
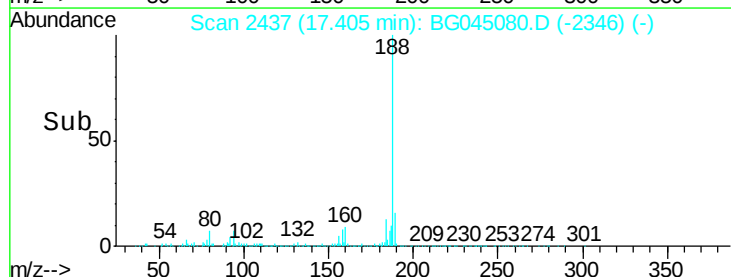


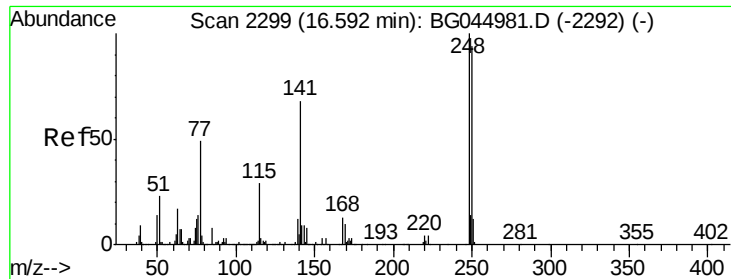
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time--> 17.35 17.40 17.45

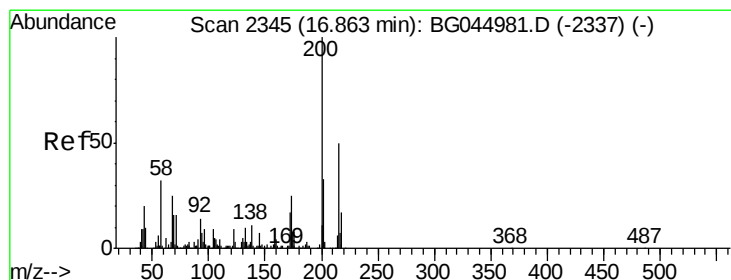
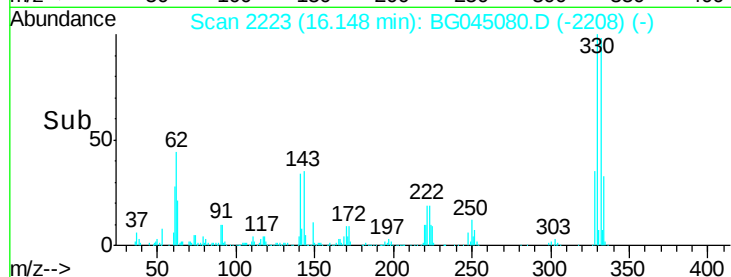
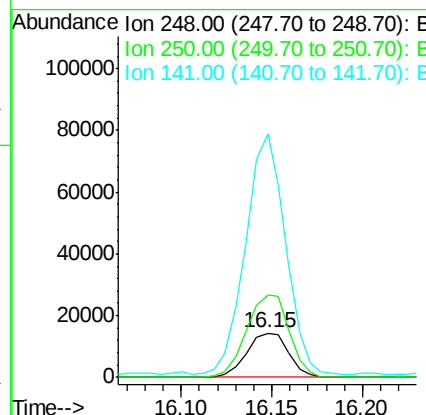
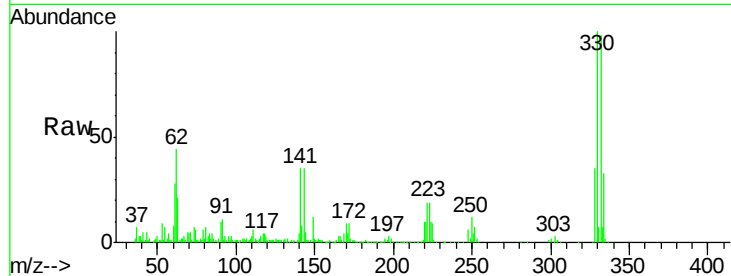




#67
4-Bromophenyl-phenylether
Concen: 4.323 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.44 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

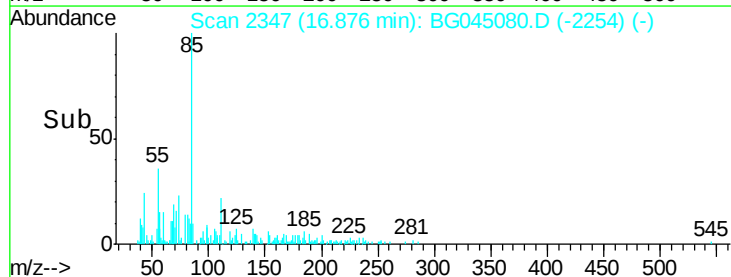
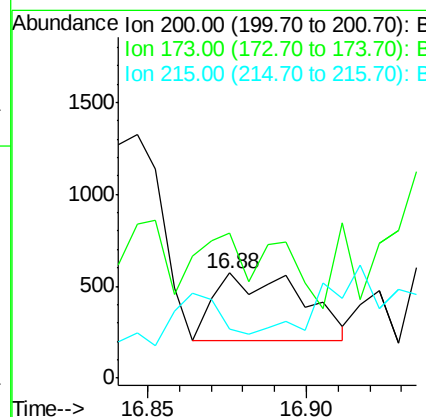
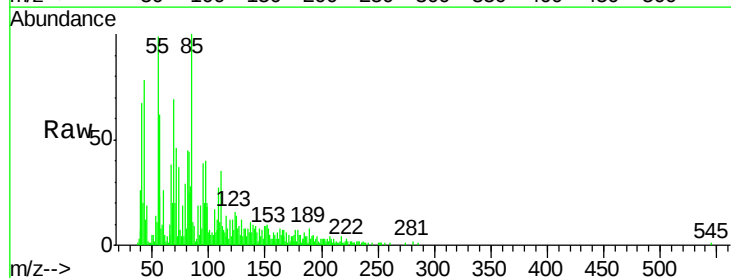
Instrument :
BNA_G
ClientSampleId :
WC-F1

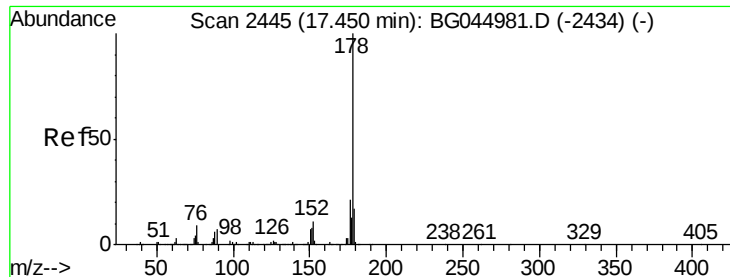
Tot Ion:248 Resp: 23052
Ion Ratio Lower Upper
248 100
250 185.1 75.4 113.2#
141 546.4 54.4 81.6#



#69
Atrazine
Concen: Below Cal
RT: 16.88 min Scan# 2347
Delta R.T. 0.02 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

Tgt Ion:200 Resp: 702
Ion Ratio Lower Upper
200 100
173 137.3 4.5 44.5#
215 47.1 30.0 70.0

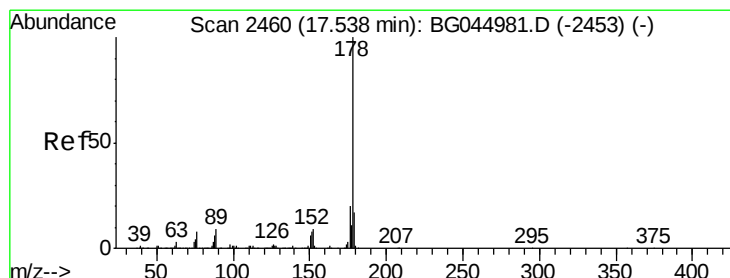
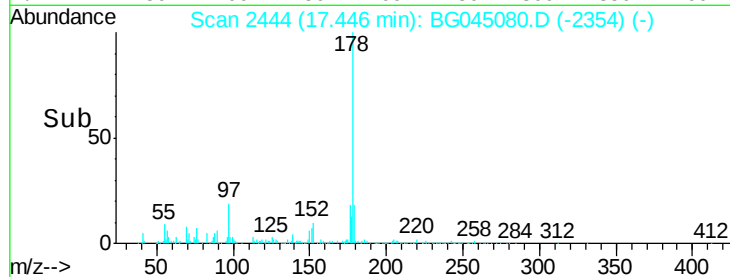
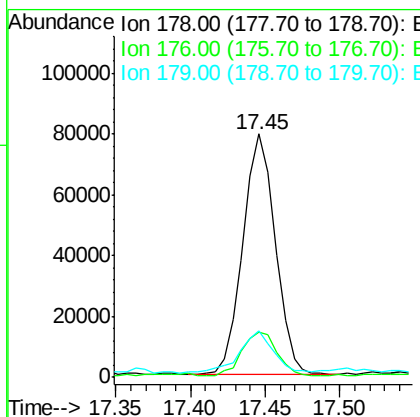
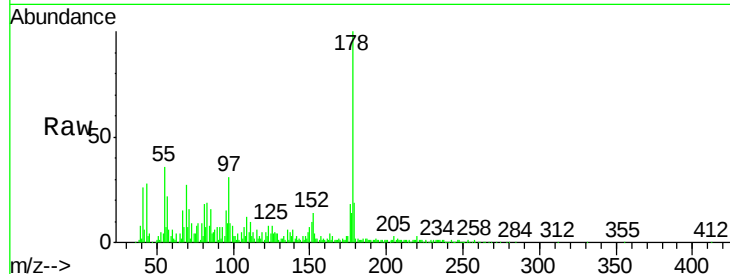




#71
Phenanthrene
Concen: 5.604 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.00 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

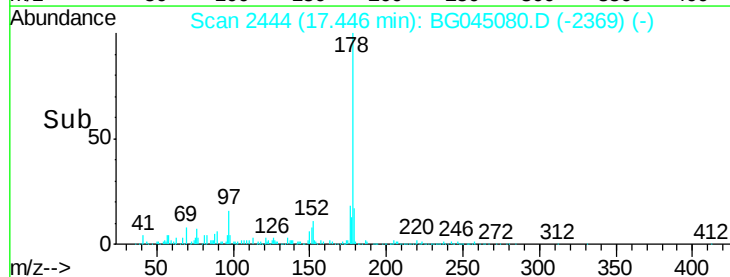
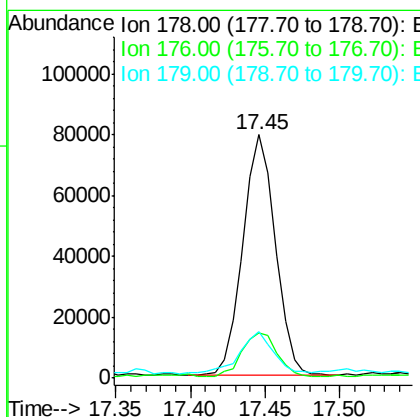
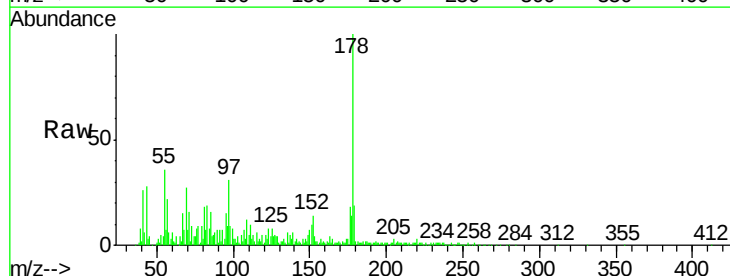
Instrument :
BNA_G
ClientSampleId :
WC-F1

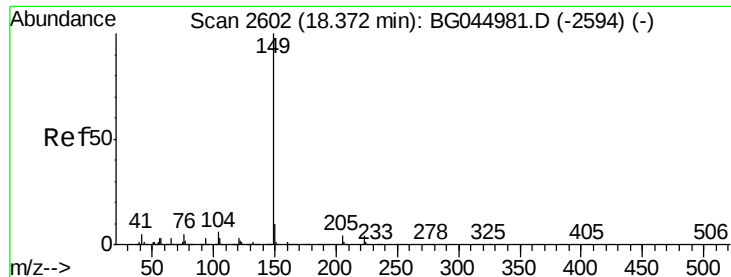
Tot Ion:178 Resp: 119043
Ion Ratio Lower Upper
178 100
176 18.5 16.8 25.2
179 18.9 13.2 19.8



#72
Anthracene
Concen: 5.587 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.09 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

Tgt Ion:178 Resp: 119043
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 18.9 13.6 20.4





#74

Di-n-butylphthalate

Concen: 6.204 ng

RT: 18.37 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BG045080.D

Acq: 18 Apr 2020 23:40

Instrument :

BNA_G

ClientSampleId :

WC-F1

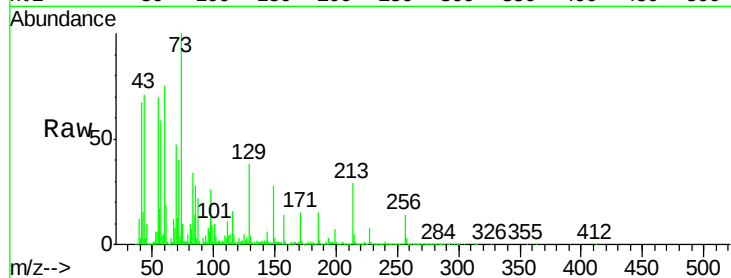
Tot Ion:149 Resp: 269214

Ion Ratio Lower Upper

149 100

150 10.3 8.2 12.2

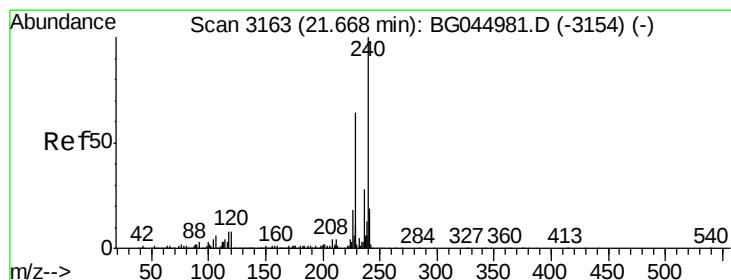
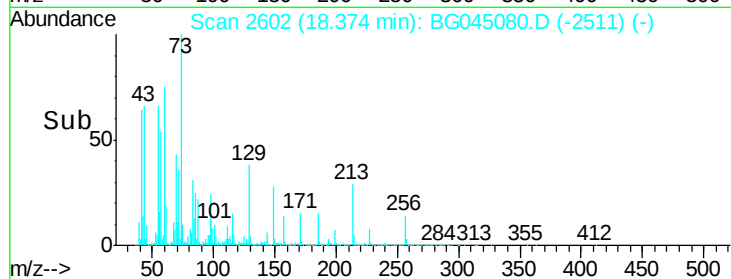
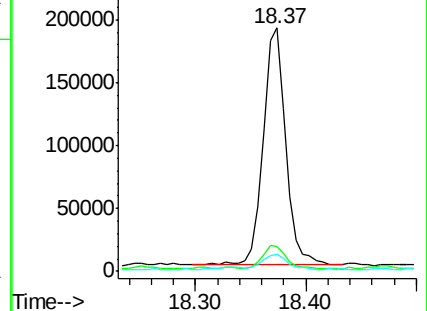
104 7.2 4.8 7.2



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: 21.68 min Scan# 3165

Delta R.T. 0.02 min

Lab File: BG045080.D

Acq: 18 Apr 2020 23:40

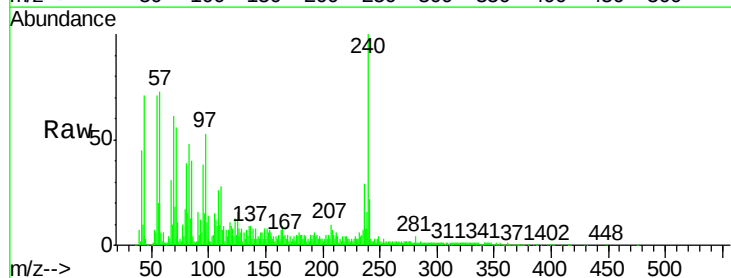
Tgt Ion:240 Resp: 373463

Ion Ratio Lower Upper

240 100

120 9.1 6.6 10.0

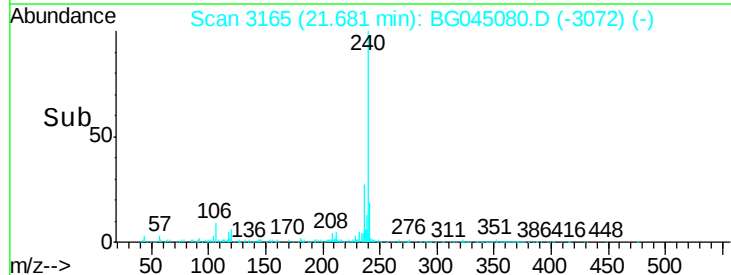
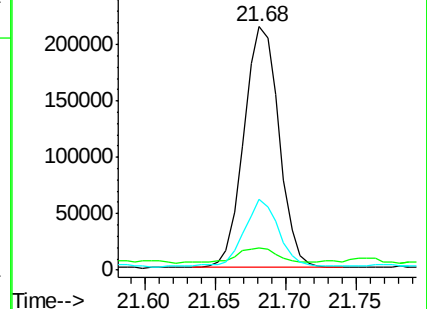
236 28.9 22.2 33.2

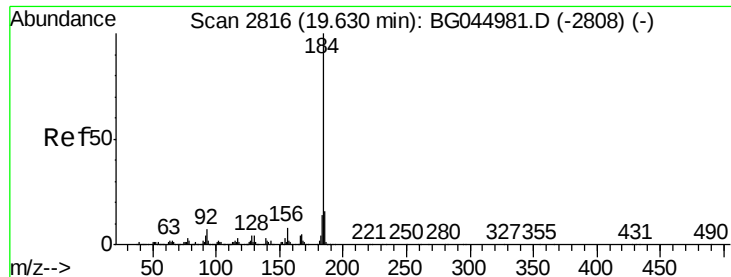


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.65 min Scan# 2820

Delta R.T. 0.03 min

Lab File: BG045080.D

Acq: 18 Apr 2020 23:40

Instrument :

BNA_G

ClientSampleId :

WC-F1

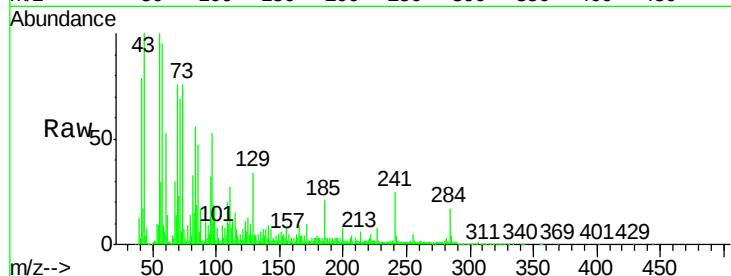
Tot Ion:184 Resp: 5267

Ion Ratio Lower Upper

184 100

185 1086.9 12.6 19.0#

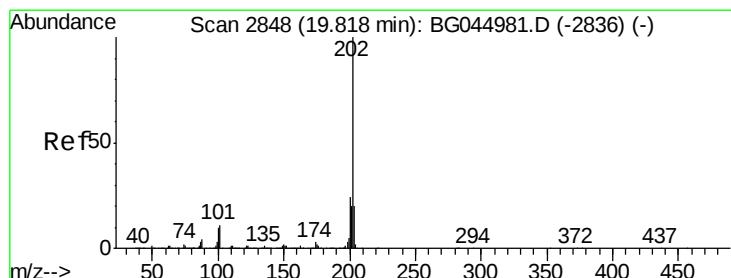
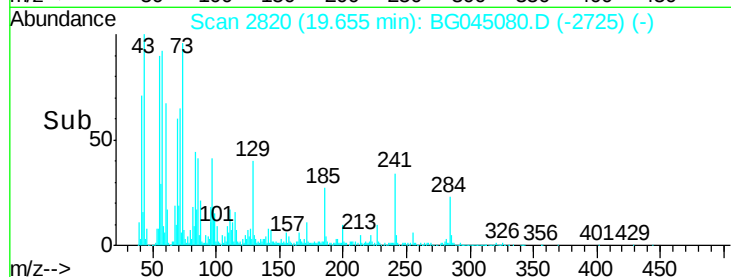
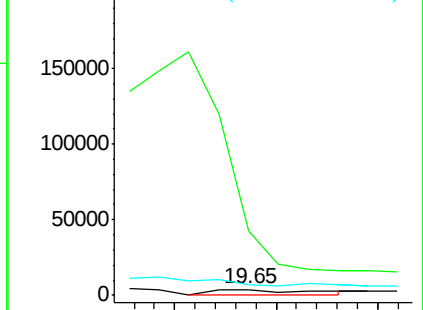
183 175.9 11.3 16.9#



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



#78

Pyrene

Concen: 4.607 ng

RT: 19.45 min Scan# 2786

Delta R.T. -0.35 min

Lab File: BG045080.D

Acq: 18 Apr 2020 23:40

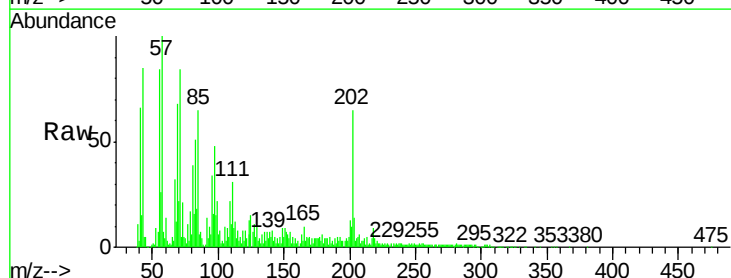
Tgt Ion:202 Resp: 118620

Ion Ratio Lower Upper

202 100

200 20.6 19.0 28.6

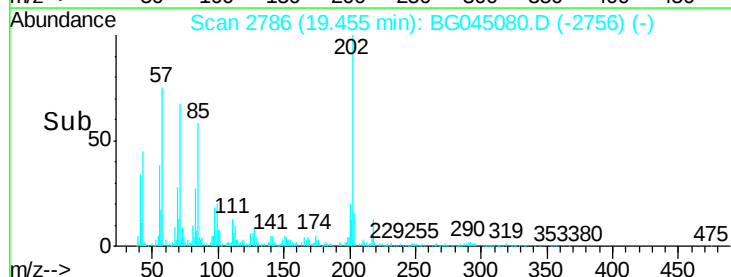
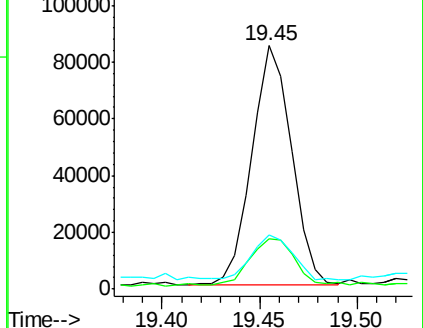
203 22.1 16.1 24.1

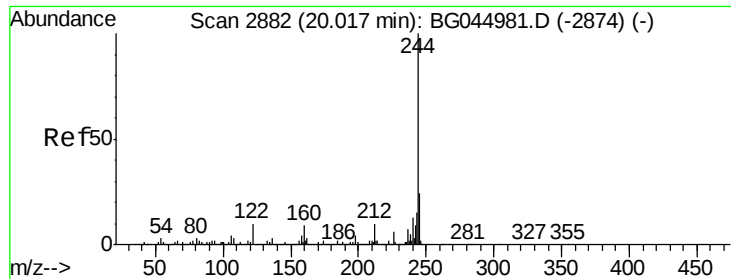


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 89.954 ng

RT: 20.02 min Scan# 2883

Delta R.T. 0.01 min

Lab File: BG045080.D

Acq: 18 Apr 2020 23:40

Instrument :

BNA_G

ClientSampleId :

WC-F1

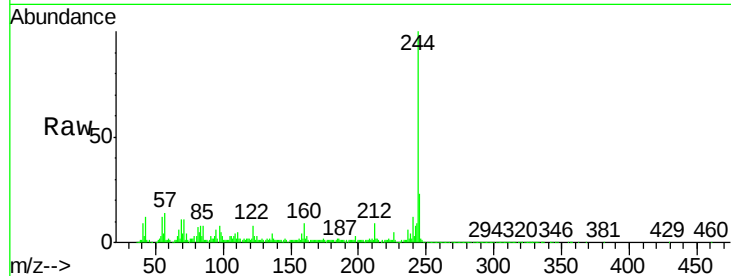
Tot Ion:244 Resp: 1541339

Ion Ratio Lower Upper

244 100

212 8.8 7.9 11.9

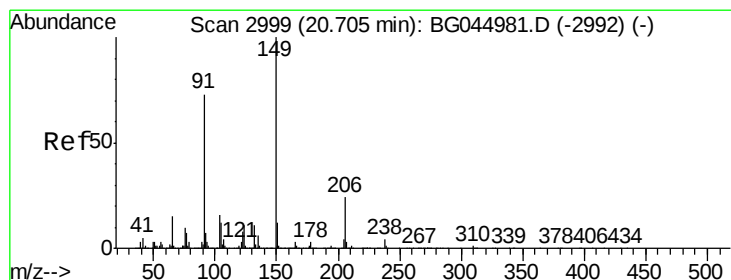
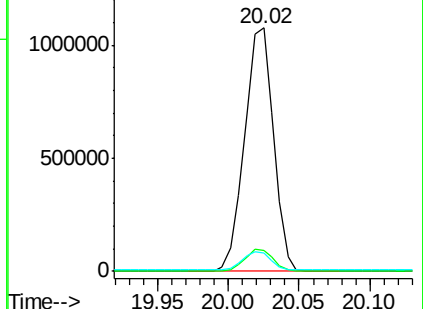
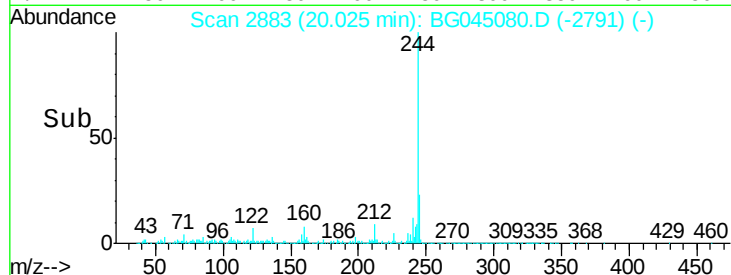
122 7.7 7.7 11.5#



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



#80

Butylbenzylphthalate

Concen: 4.096 ng

RT: 20.71 min Scan# 3000

Delta R.T. 0.01 min

Lab File: BG045080.D

Acq: 18 Apr 2020 23:40

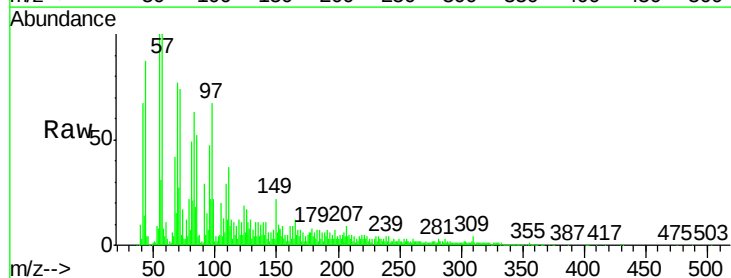
Tgt Ion:149 Resp: 43717

Ion Ratio Lower Upper

149 100

91 130.2 58.5 87.7#

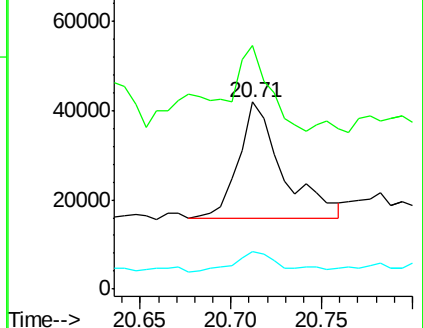
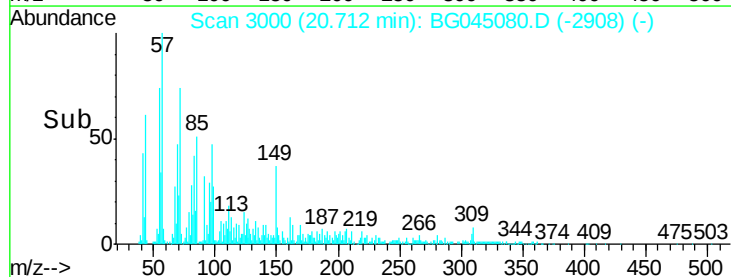
206 20.1 19.2 28.8

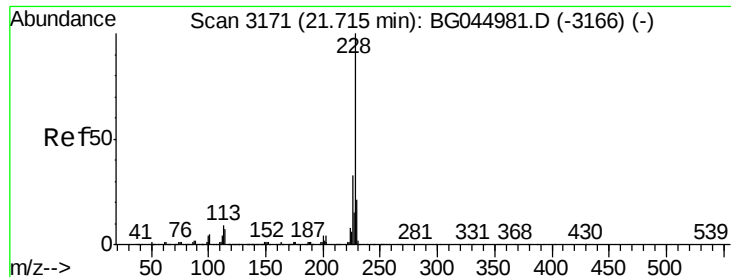


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E

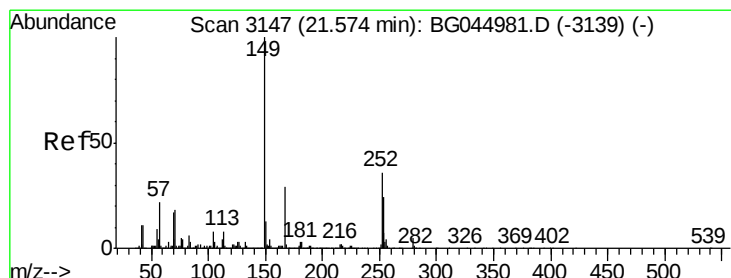
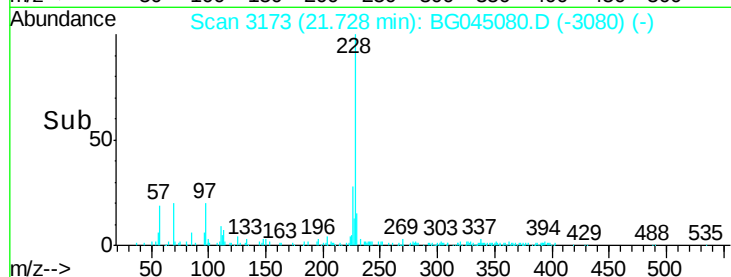
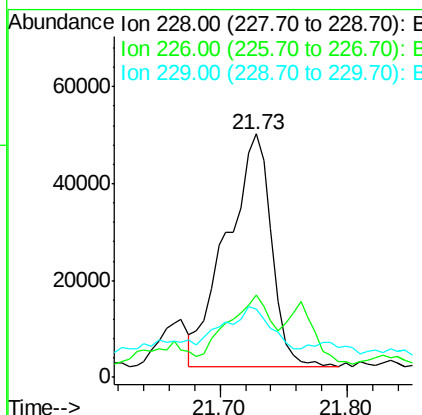
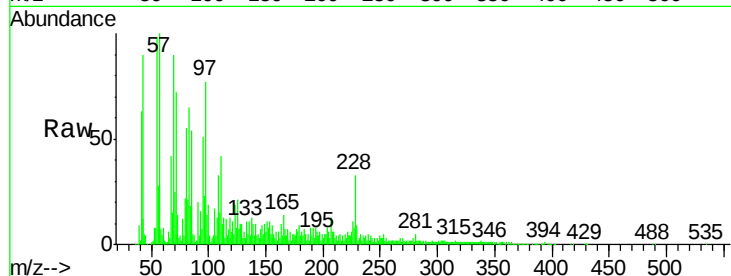




#83
 Chrysene
 Concen: 5.088 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. 0.02 min
 Lab File: BG045080.D
 Acq: 18 Apr 2020 23:40

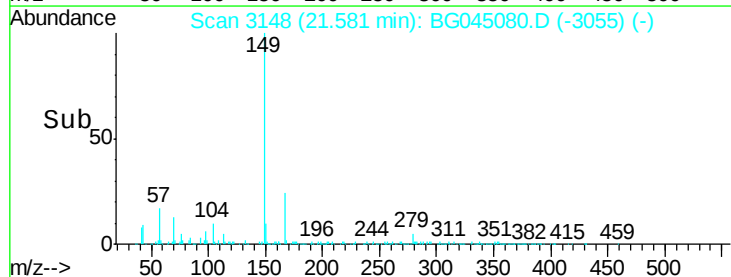
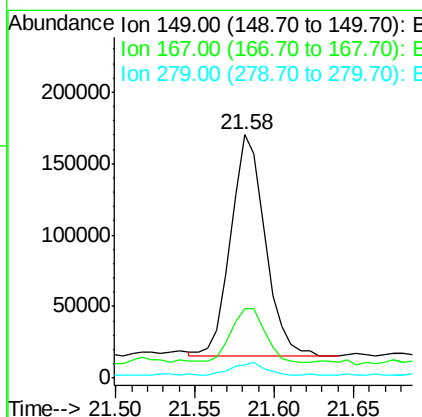
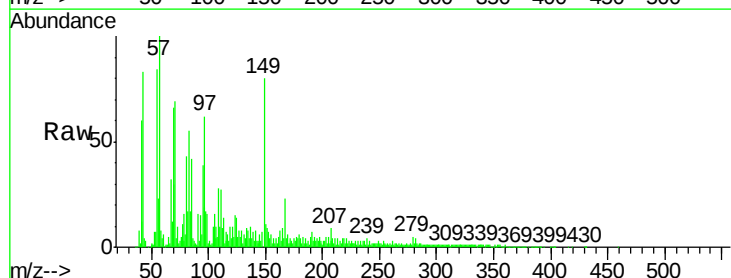
Instrument :
 BNA_G
 ClientSampleId :
 WC-F1

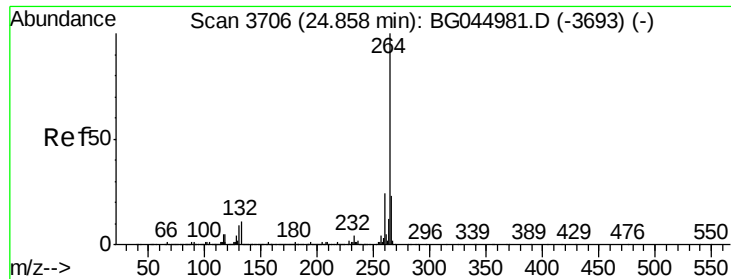
Tot Ion:228 Resp: 118324
 Ion Ratio Lower Upper
 228 100
 226 33.6 26.2 39.4
 229 28.1 17.0 25.6#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 15.712 ng
 RT: 21.58 min Scan# 3148
 Delta R.T. 0.02 min
 Lab File: BG045080.D
 Acq: 18 Apr 2020 23:40

Tgt Ion:149 Resp: 230626
 Ion Ratio Lower Upper
 149 100
 167 28.8 23.4 35.0
 279 5.7 4.3 6.5





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3713
Delta R.T. 0.05 min
Lab File: BG045080.D
Acq: 18 Apr 2020 23:40

Instrument :
BNA_G
ClientSampleId :
WC-F1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.5	19.0	28.4

