

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045086.D
 Acq On : 19 Apr 2020 3:40
 Operator : CG/JU
 Sample : L2249-04 5X
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Quant Time: Apr 20 00:28:54 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	8.03	152	67398	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	281049	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	191205	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	392960	20.00	ng	0.00
76) Chrysene-d12	21.67	240	384670	20.00	ng	0.00
87) Perylene-d12	24.86	264	425286	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	62890	15.41	ng	0.00
7) Phenol-d6	7.19	99	59796	9.86	ng	0.00
23) Nitrobenzene-d5	9.18	82	124065	20.14	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	87197	29.52	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	303339	23.26	ng	0.00
79) Terphenyl-d14	20.01	244	463817	26.28	ng	0.00

Target Compounds

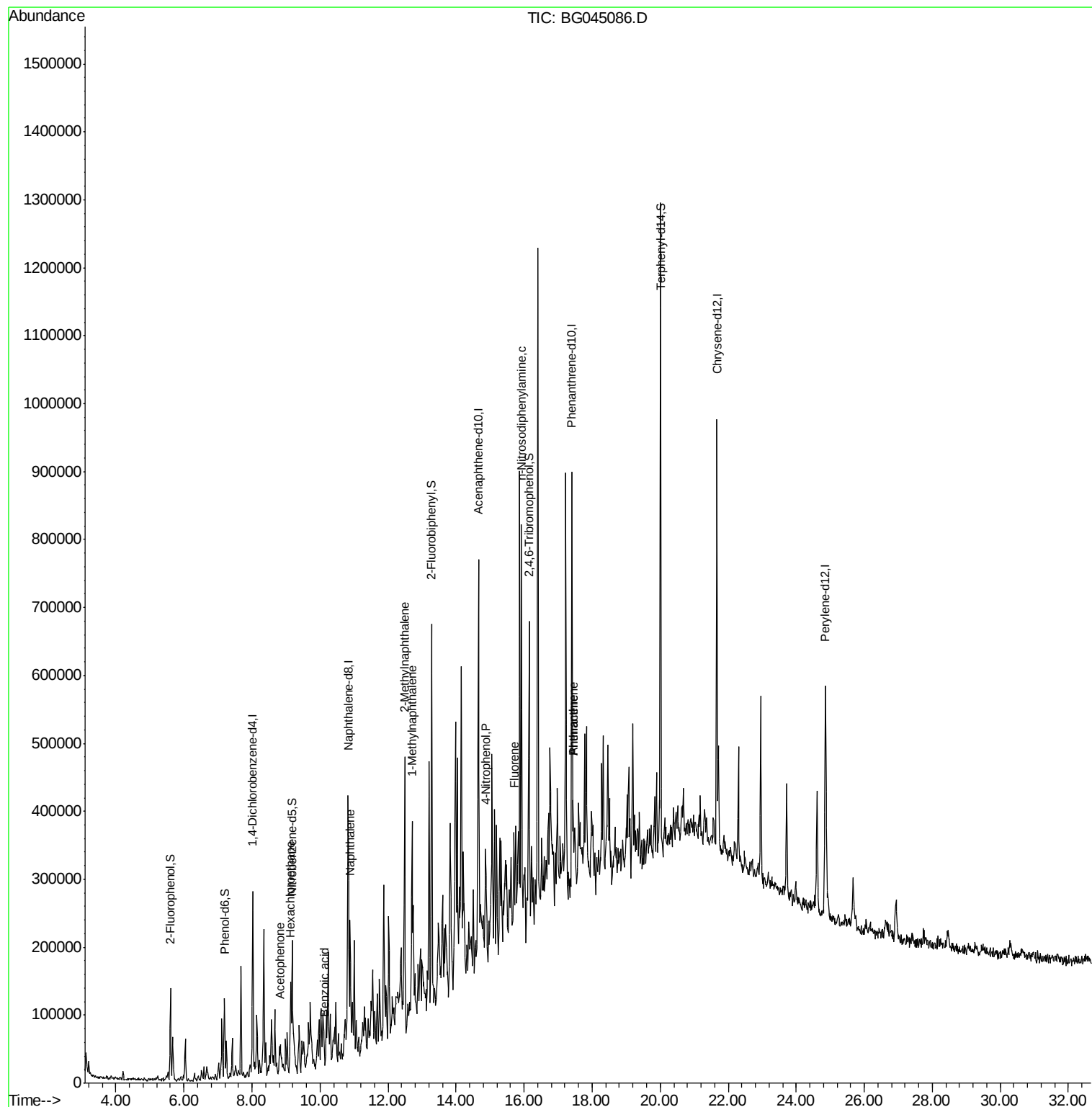
					Qvalue	
9) Benzaldehyde	7.18	77	3204	Below Cal	#	1
18) Hexachloroethane	9.14	117	13156	6.793 ng	#	1
22) Acetophenone	8.83	105	27675	3.641 ng	#	61
31) Naphthalene	10.88	128	123438	8.029 ng		98
32) Benzoic acid	10.14	122	58	6.388 ng	#	1
37) 2-Methylnaphthalene	12.49	142	177005	14.832 ng		99
38) 1-Methylnaphthalene	12.70	142	133697	11.867 ng		100
56) 4-Nitrophenol	14.87	139	7922	2.675 ng	#	54
58) Fluorene	15.71	166	30100	2.065 ng	#	89
66) n-Nitrosodiphenylamine	15.92	169	40573	3.594 ng	#	46
69) Atrazine	16.87	200	1300	Below Cal	#	57
71) Phenanthrene	17.45	178	69629	3.448 ng		97
72) Anthracene	17.45	178	69629	3.437 ng		97
74) Di-n-butylphthalate	18.37	149	1258	Below Cal	#	1
75) Fluoranthene	19.45	202	7921	Below Cal		67
77) Benzidine	19.61	184	422	Below Cal	#	1

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

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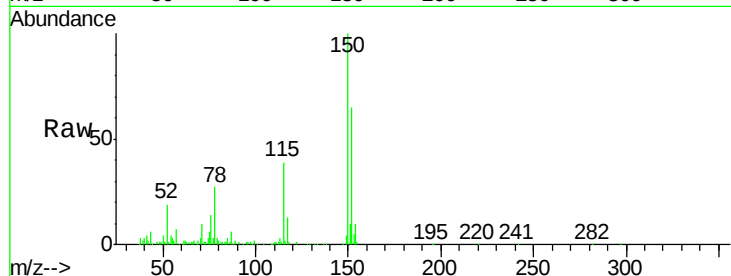


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. 0.00 min
Lab File: BG045086.D
Acq: 19 Apr 2020 3:40

Instrument :
BNA_G
ClientSampled :
WC-4

Tot Ion	152	Resp	67398
Ion Ratio	Lower	Upper	
152	100		
150	153.1	123.6	185.4
115	60.1	49.1	73.7

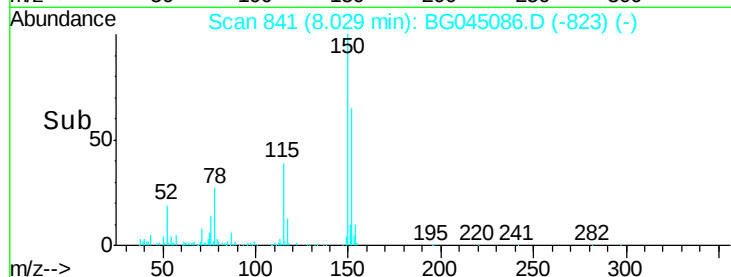
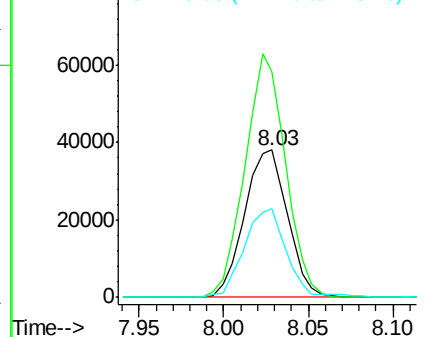


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

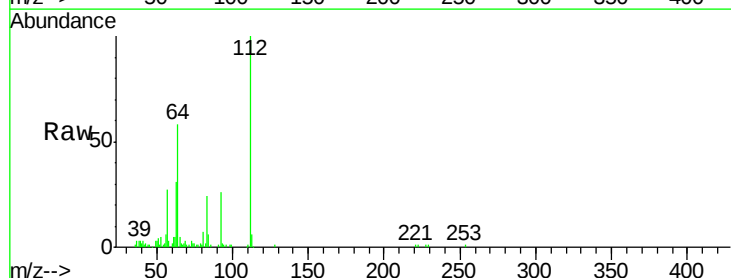
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 15.405 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG045086.D
Acq: 19 Apr 2020 3:40

Tgt Ion	112	Resp	62890
Ion Ratio	Lower	Upper	
112	100		
64	58.1	42.4	63.6
63	31.0	23.1	34.7

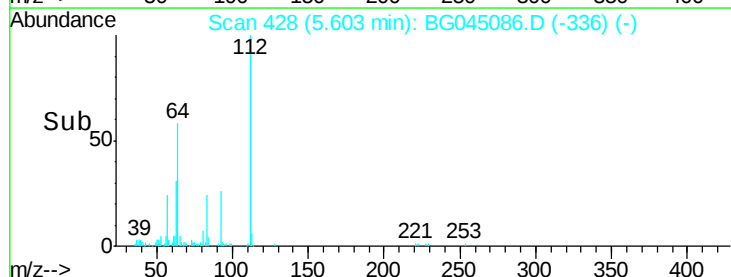
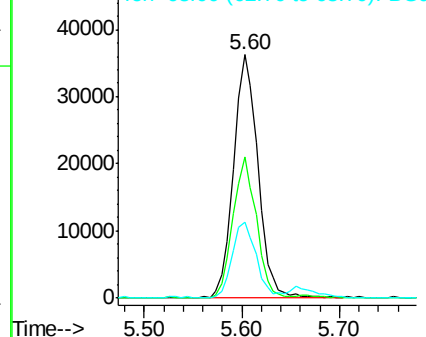


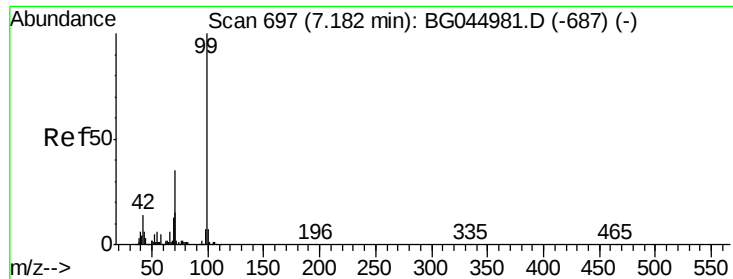
Abundance

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: 9.859 ng

RT: 7.19 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

Instrument :

BNA_G

ClientSampleId :

WC-4

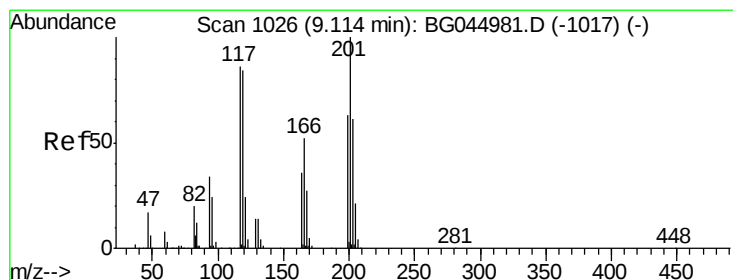
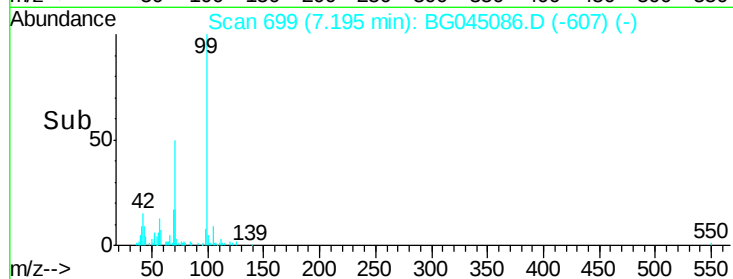
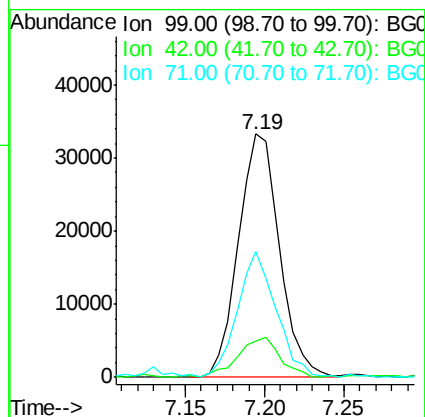
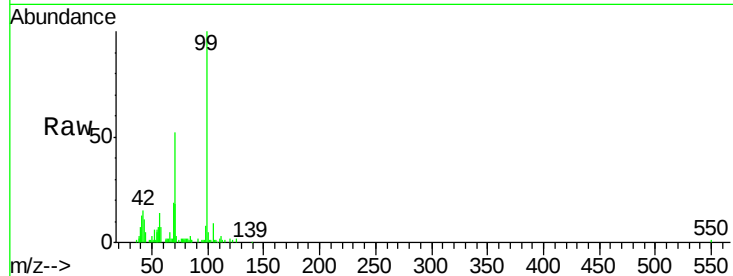
Tot Ion: 99 Resp: 59796

Ion Ratio Lower Upper

99 100

42 14.7 11.3 16.9

71 51.7 28.3 42.5#



#18

Hexachloroethane

Concen: 6.793 ng

RT: 9.14 min Scan# 1030

Delta R.T. 0.03 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

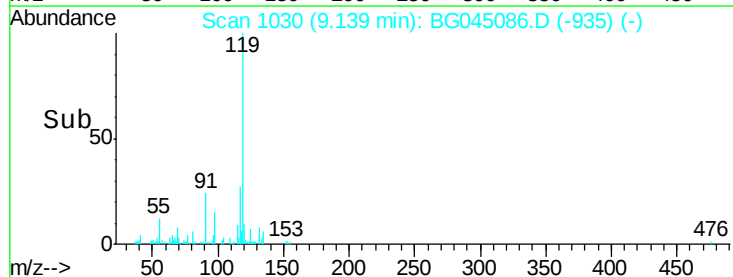
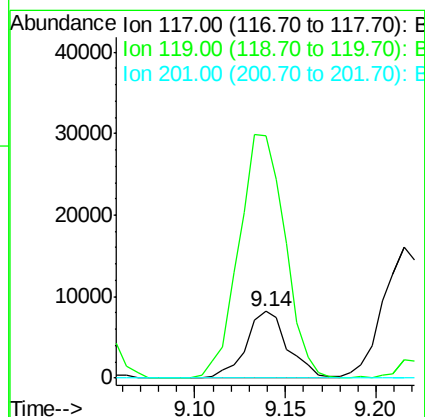
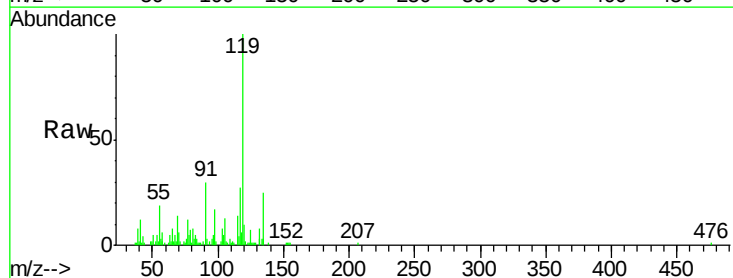
Tgt Ion: 117 Resp: 13156

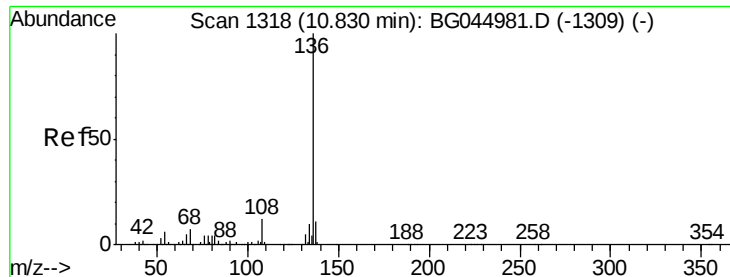
Ion Ratio Lower Upper

117 100

119 365.1 78.3 117.5#

201 0.0 92.9 139.3#

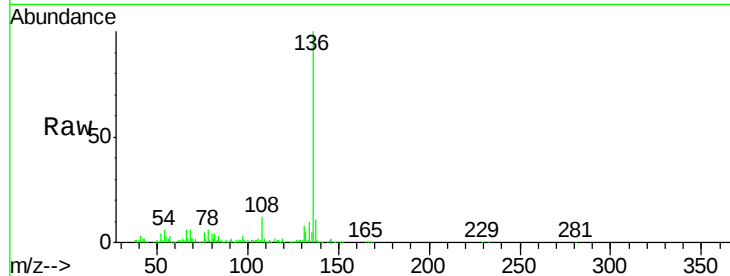




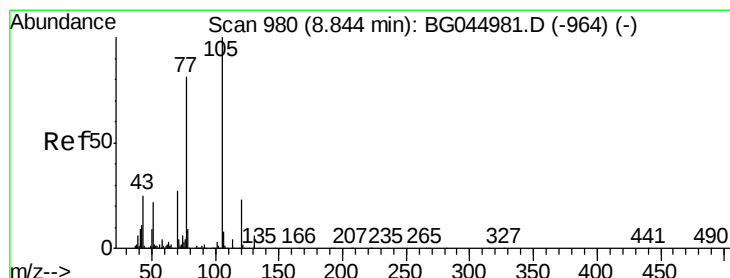
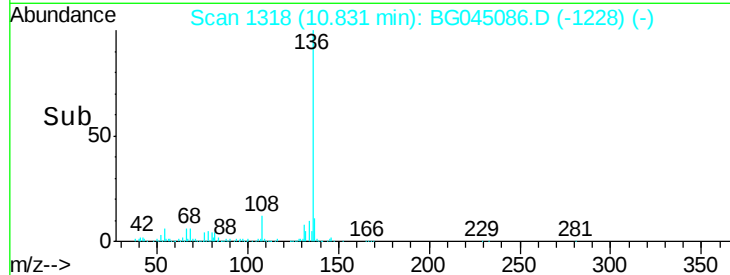
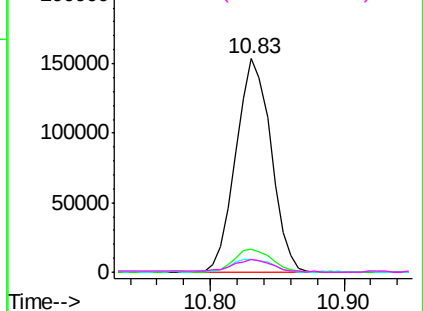
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045086.D
Acq: 19 Apr 2020 3:40

Instrument :
BNA_G
ClientSampleId :
WC-4

Tot Ion:136	Resp:	281049
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.6 13.0
54	6.2	4.8 7.2
68	5.9	5.2 7.8

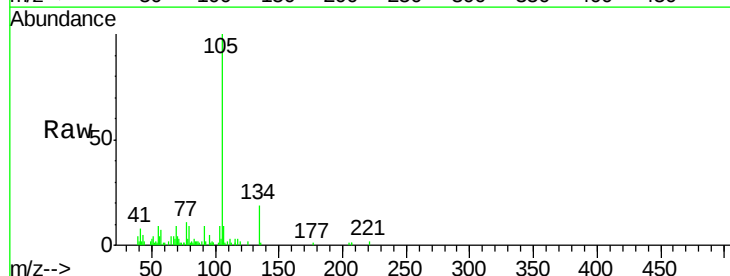


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

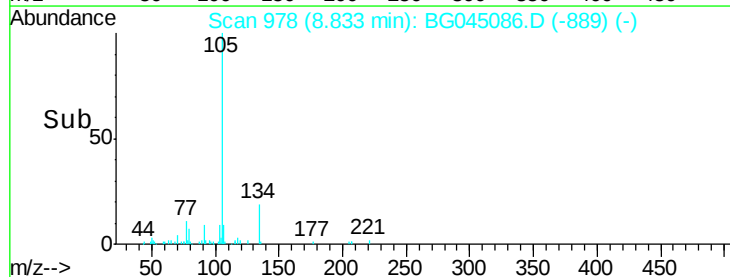
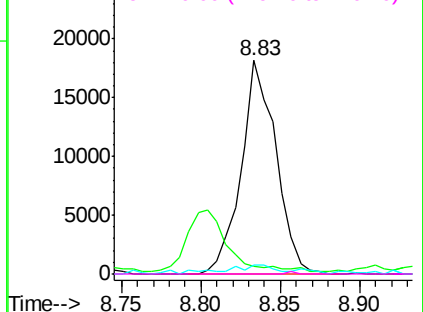


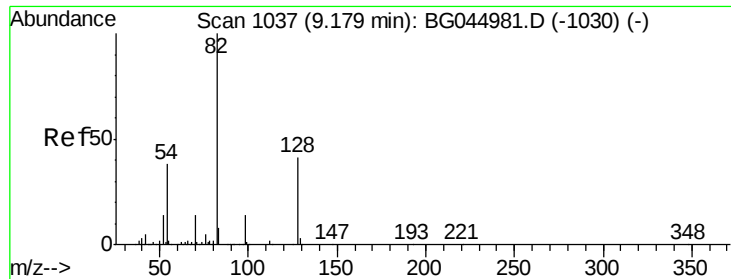
#22
Acetophenone
Concen: 3.641 ng
RT: 8.83 min Scan# 978
Delta R.T. -0.01 min
Lab File: BG045086.D
Acq: 19 Apr 2020 3:40

Tgt Ion:105	Resp:	27675
Ion Ratio	Lower	Upper
105	100	
71	3.4	3.3 4.9
51	4.1	17.3 25.9#
120	0.0	18.4 27.6#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

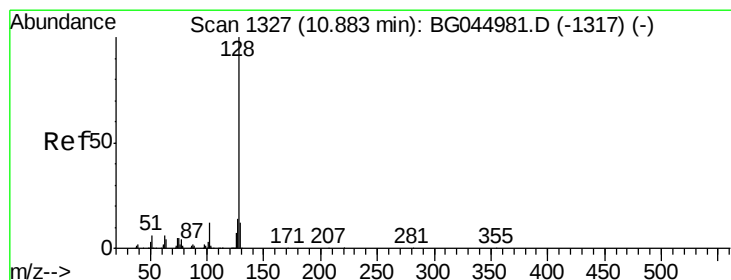
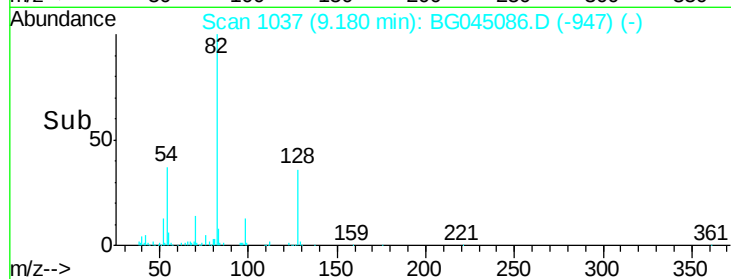
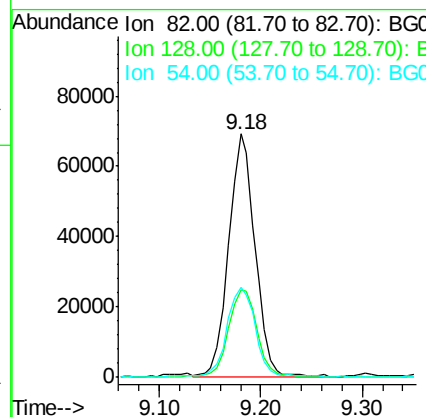
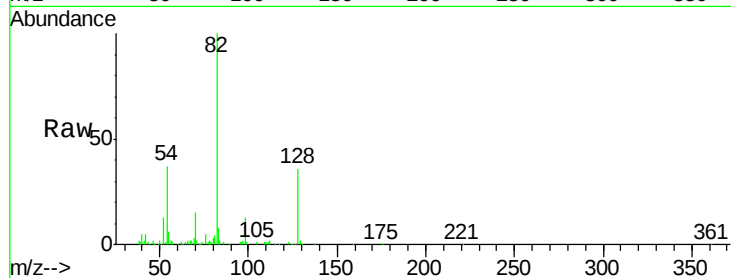




#23
Nitrobenzene-d5
Concen: 20.142 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045086.D
Acq: 19 Apr 2020 3:40

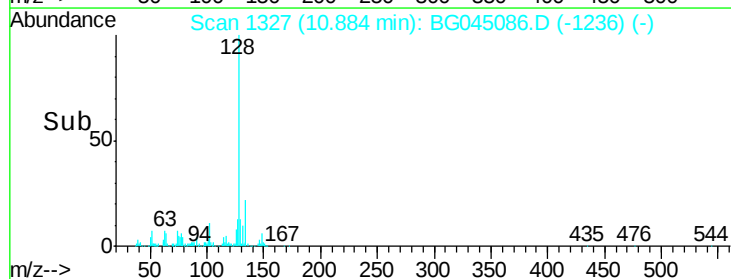
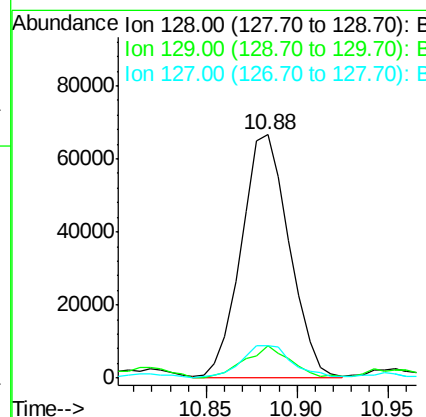
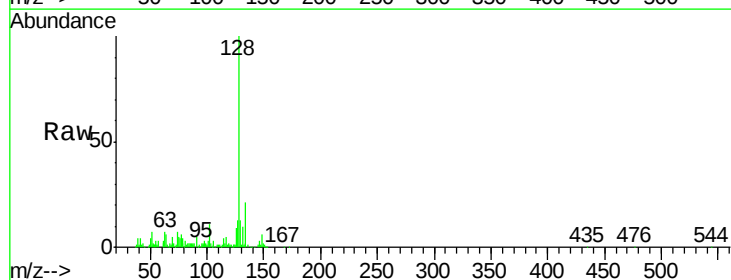
Instrument :
BNA_G
ClientSampleId :
WC-4

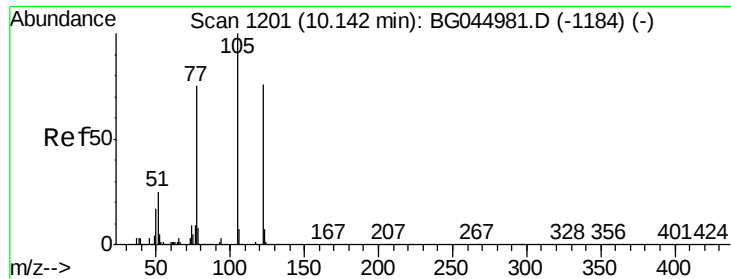
Tot Ion	82	Resp	124065
Ion Ratio	Lower	Upper	
82	100		
128	35.8	33.0	49.4
54	36.8	30.4	45.6



#31
Naphthalene
Concen: 8.029 ng
RT: 10.88 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG045086.D
Acq: 19 Apr 2020 3:40

Tgt Ion	128	Resp	123438
Ion Ratio	Lower	Upper	
128	100		
129	13.4	9.4	14.2
127	13.2	10.8	16.2

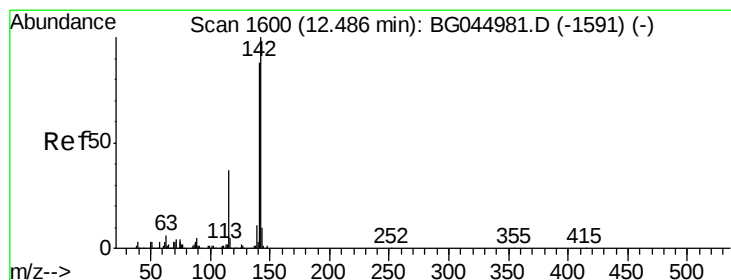
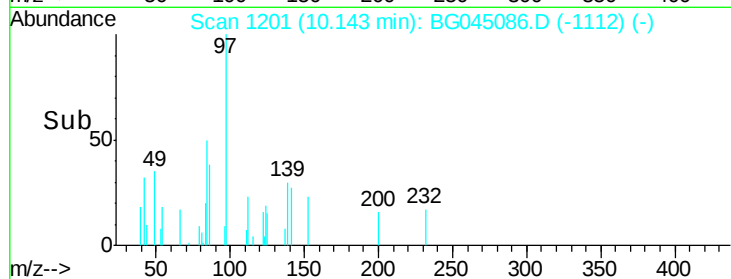
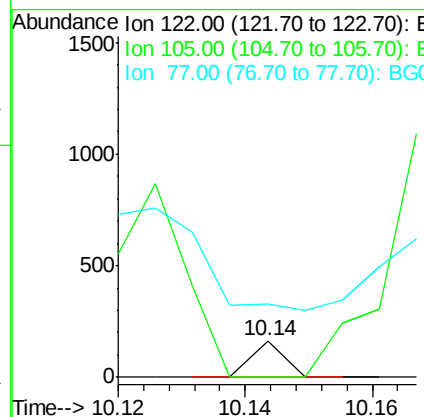
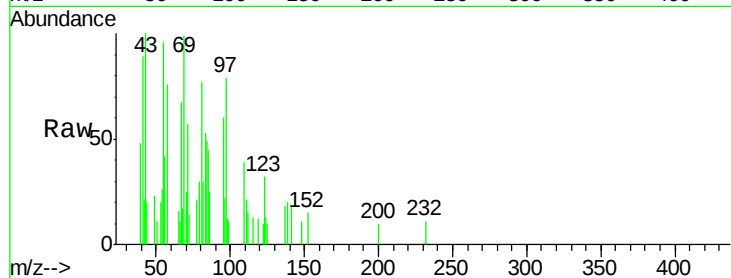




#32
Benzoic acid
Concen: 6.388 ng
RT: 10.14 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BG045086.D
Acq: 19 Apr 2020 3:40

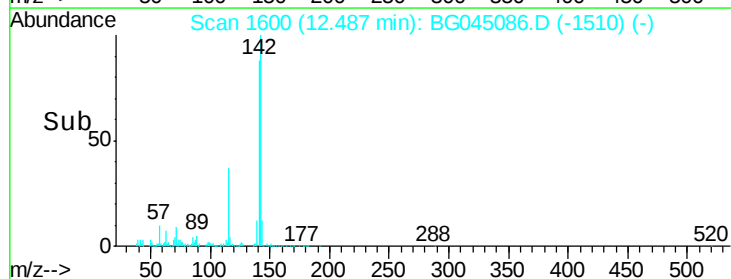
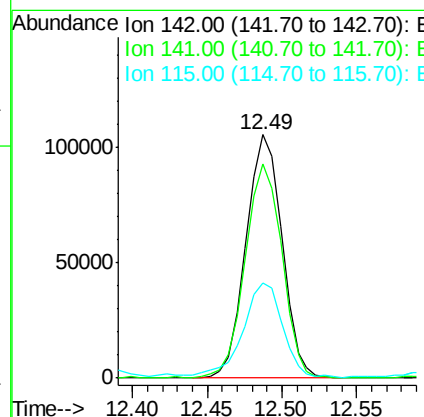
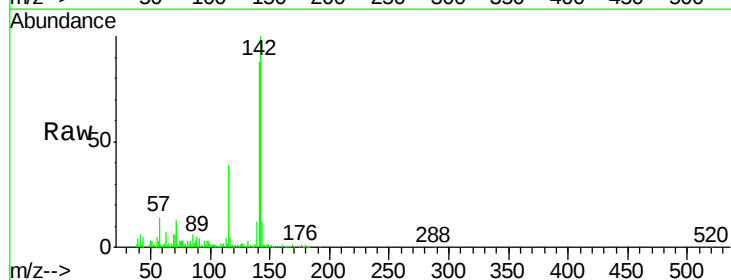
Instrument :
BNA_G
ClientSampleId :
WC-4

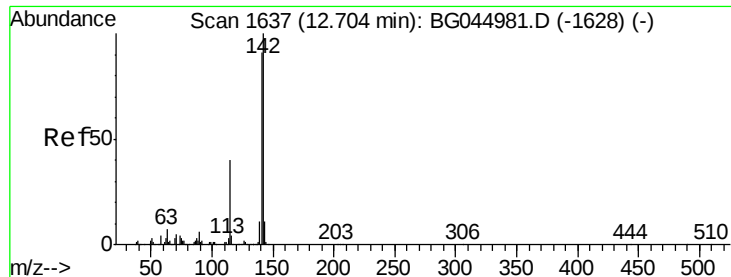
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	201.2	78.8	118.8#



#37
2-Methylnaphthalene
Concen: 14.832 ng
RT: 12.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BG045086.D
Acq: 19 Apr 2020 3:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	39.2	29.8	44.6

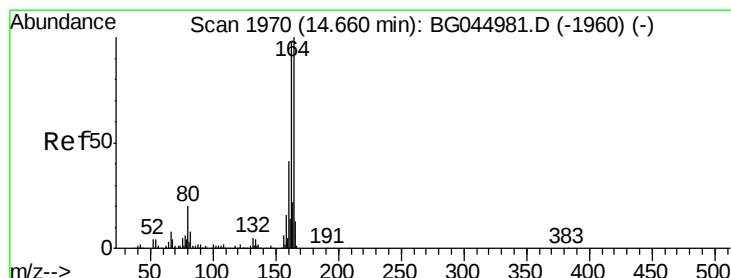
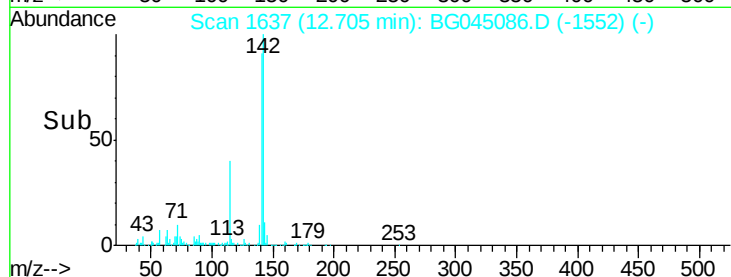
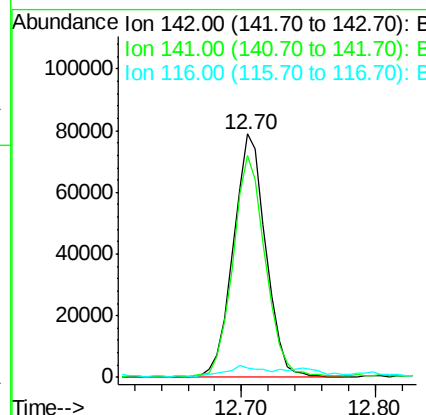
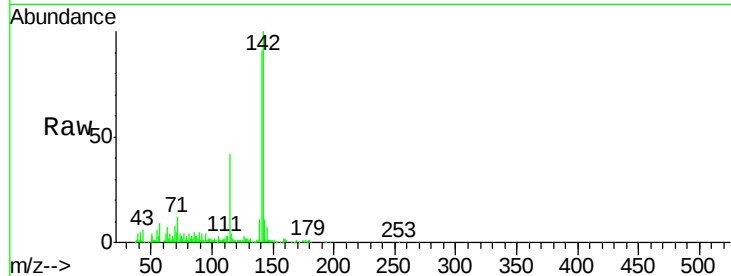




#38
 1-Methylnaphthalene
 Concen: 11.867 ng
 RT: 12.70 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: BG045086.D
 Acq: 19 Apr 2020 3:40

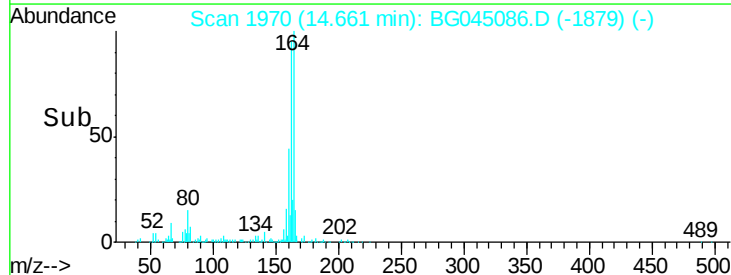
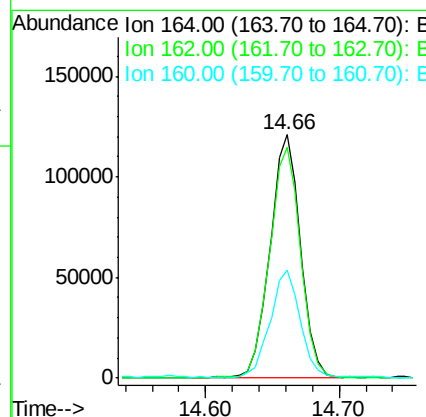
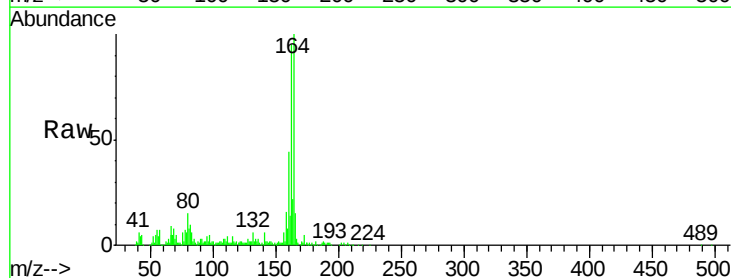
Instrument :
 BNA_G
 ClientSampleId :
 WC-4

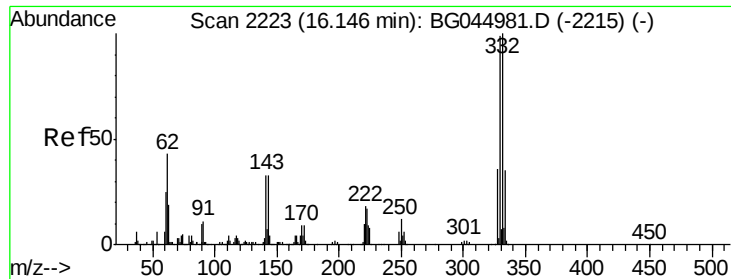
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.7	109.1
116	4.1	3.1	4.7



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: BG045086.D
 Acq: 19 Apr 2020 3:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.9	78.7	118.1
160	44.3	32.8	49.2

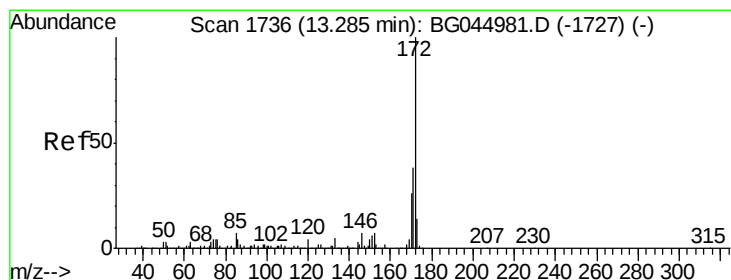
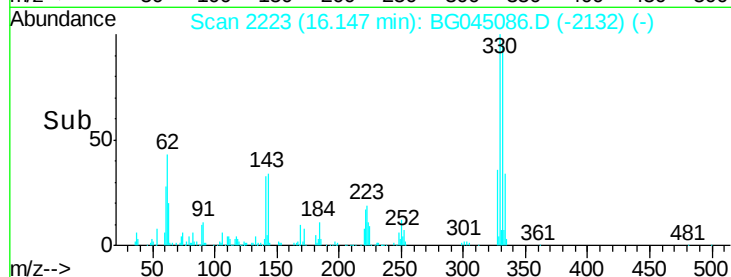
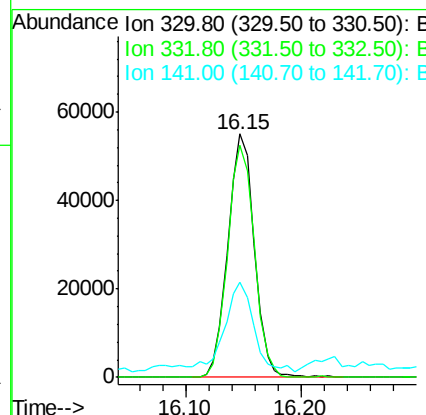
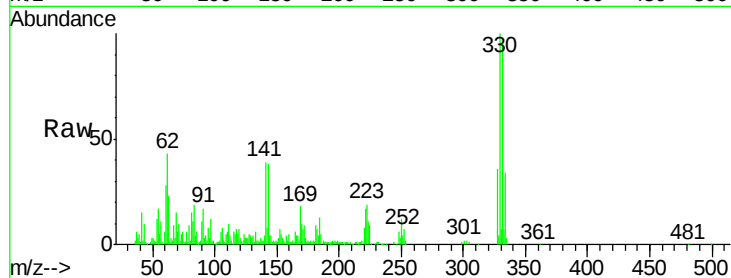




#42
 2,4,6-Tribromophenol
 Concen: 29.520 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG045086.D
 Acq: 19 Apr 2020 3:40

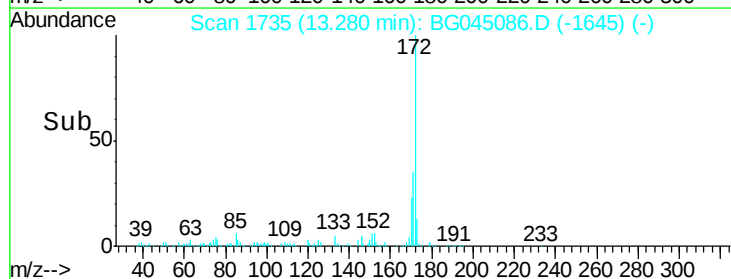
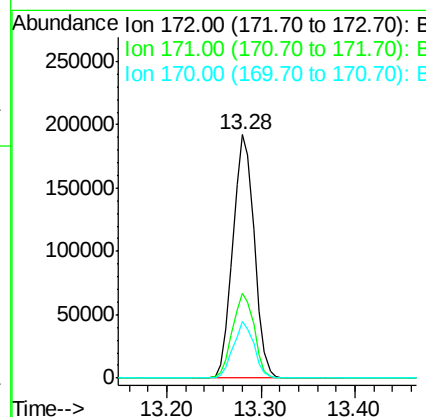
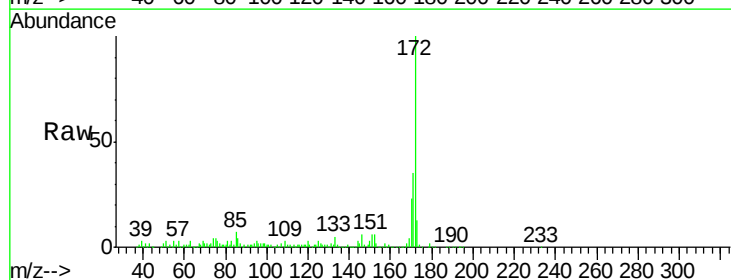
Instrument :
 BNA_G
 ClientSampled :
 WC-4

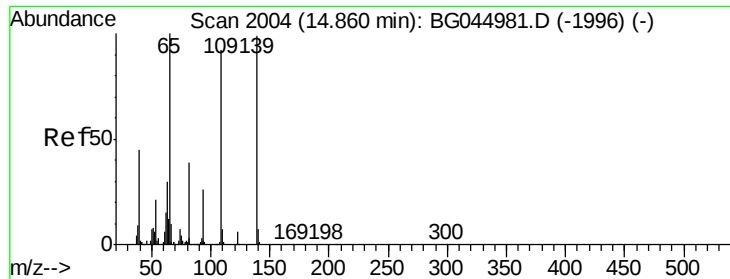
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.1	118.7
141	40.5	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 23.263 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045086.D
 Acq: 19 Apr 2020 3:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.6	46.0
170	23.2	20.5	30.7





#56

4-Nitrophenol

Concen: 2.675 ng

RT: 14.87 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

Instrument :

BNA_G

ClientSampleId :

WC-4

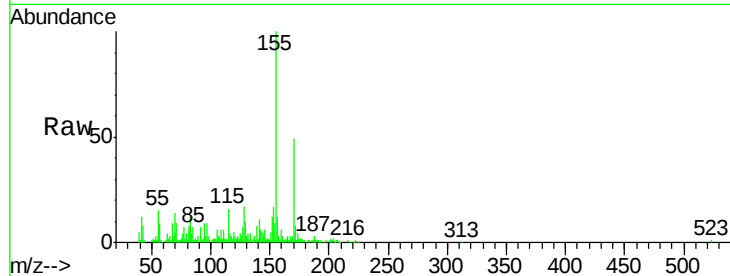
Tot Ion:139 Resp: 7922

Ion Ratio Lower Upper

139 100

109 66.6 73.6 113.6#

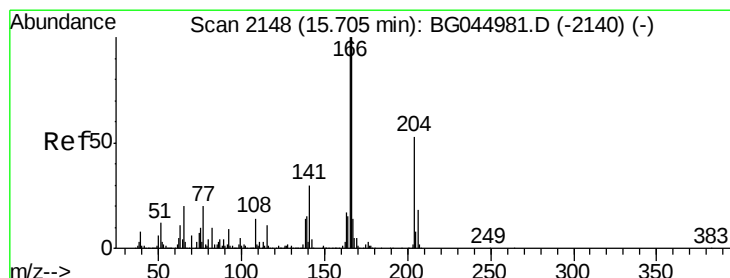
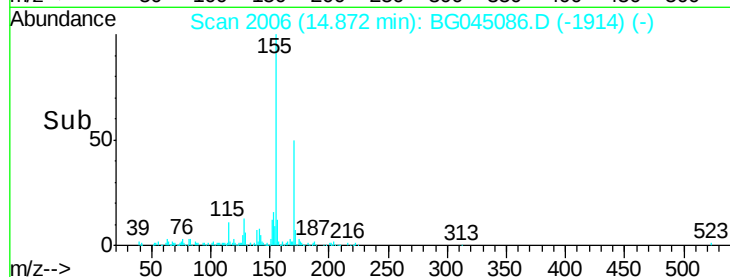
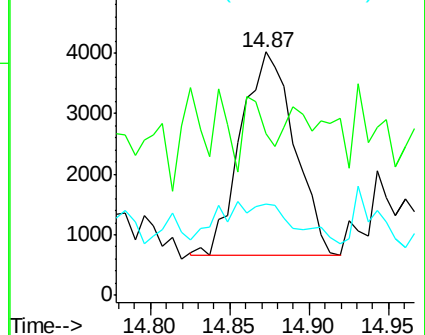
65 37.5 81.2 121.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#58

Fluorene

Concen: 2.065 ng

RT: 15.71 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

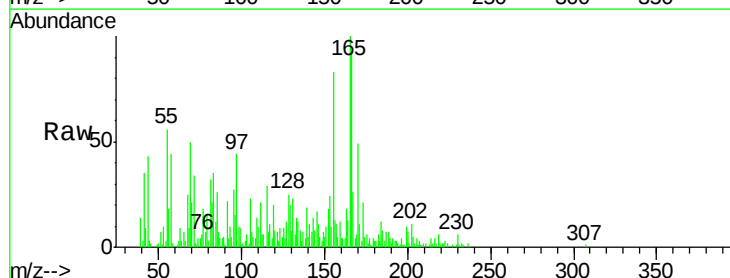
Tgt Ion:166 Resp: 30100

Ion Ratio Lower Upper

166 100

165 107.2 79.9 119.9

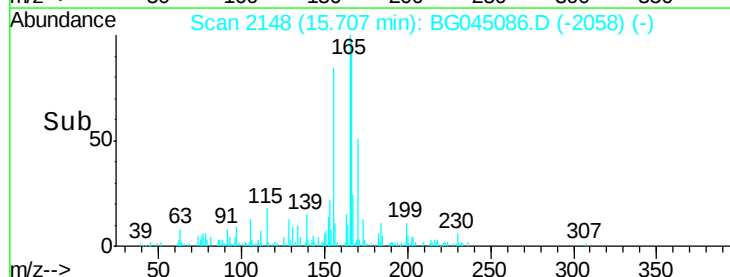
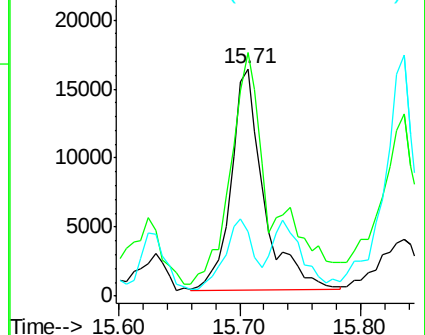
167 28.2 11.4 17.0#

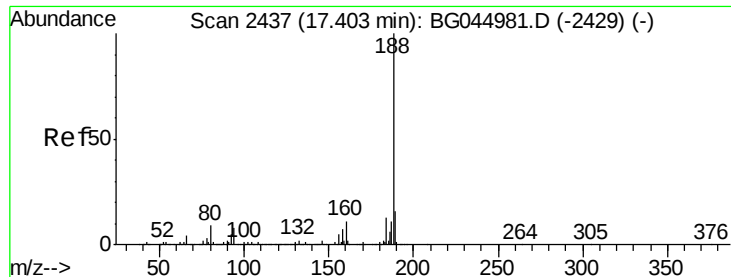


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

Instrument :

BNA_G

ClientSampleId :

WC-4

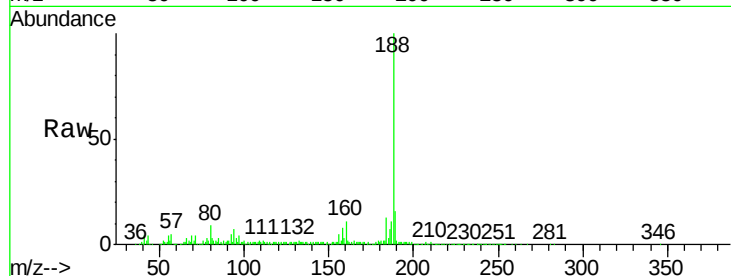
Tot Ion:188 Resp: 392960

Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.4

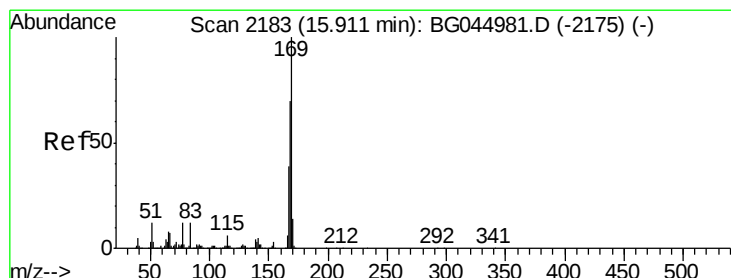
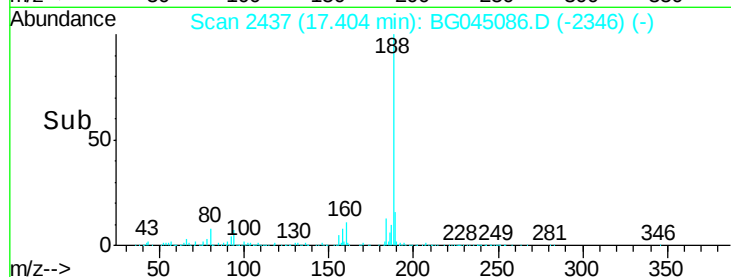
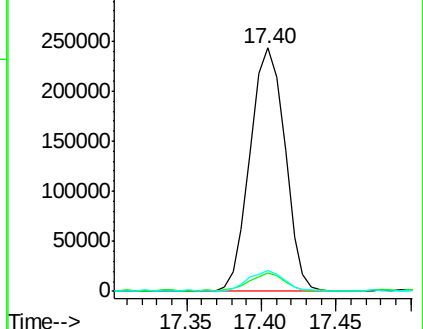
80 8.8 7.0 10.6



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



#66

n-Nitrosodiphenylamine

Concen: 3.594 ng

RT: 15.92 min Scan# 2185

Delta R.T. 0.02 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

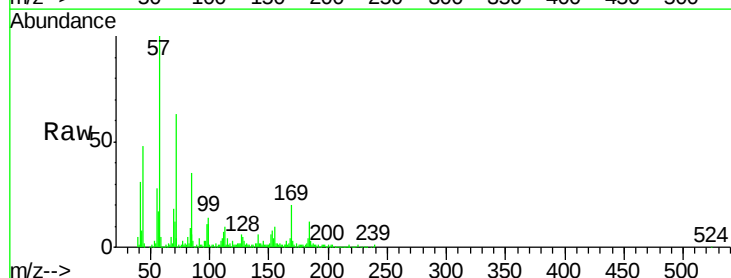
Tgt Ion:169 Resp: 40573

Ion Ratio Lower Upper

169 100

168 21.7 55.8 83.8#

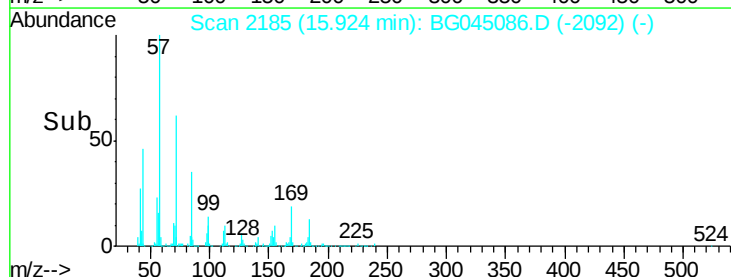
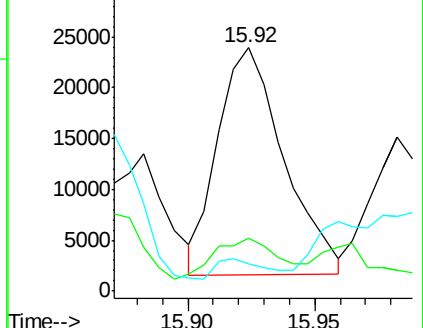
167 11.3 30.8 46.2#

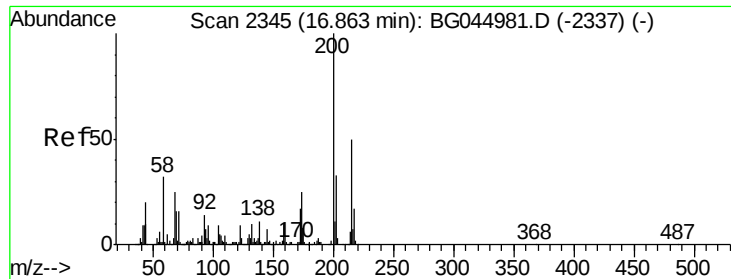


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.87 min Scan# 2346

Delta R.T. 0.01 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

Instrument :

BNA_G

ClientSampled :

WC-4

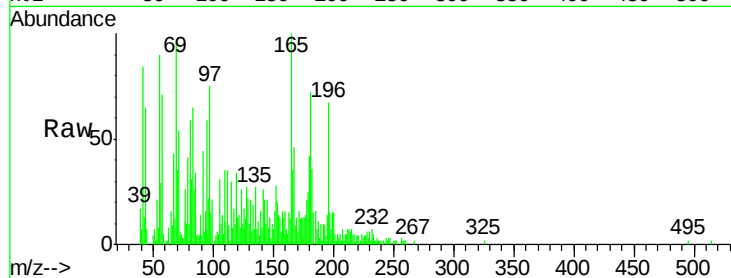
Tot Ion:200 Resp: 1300

Ion Ratio Lower Upper

200 100

173 83.1 4.5 44.5#

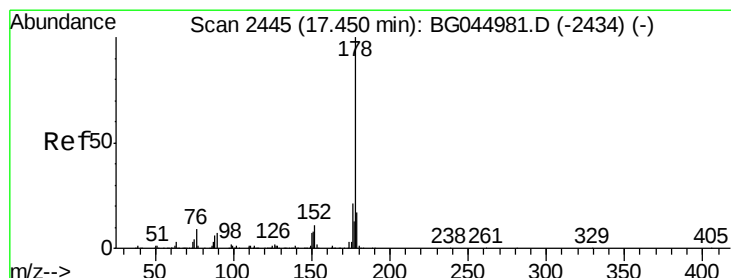
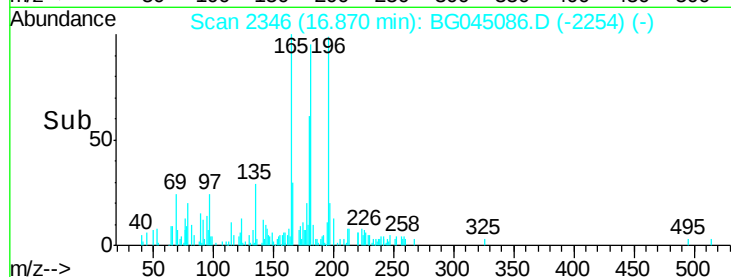
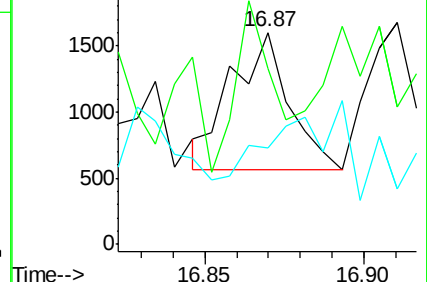
215 45.6 30.0 70.0



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



#71

Phenanthrene

Concen: 3.448 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

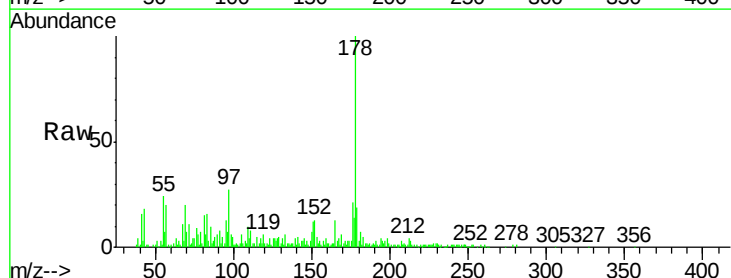
Tgt Ion:178 Resp: 69629

Ion Ratio Lower Upper

178 100

176 20.9 16.8 25.2

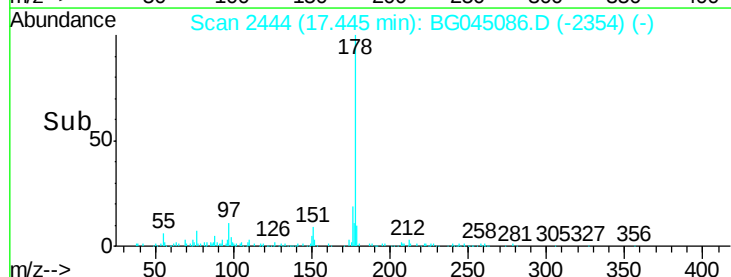
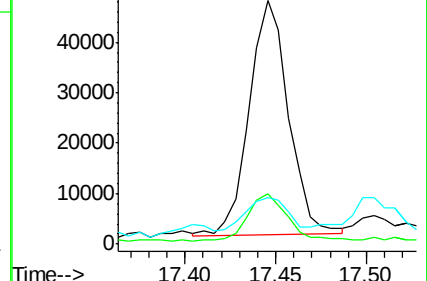
179 19.1 13.2 19.8

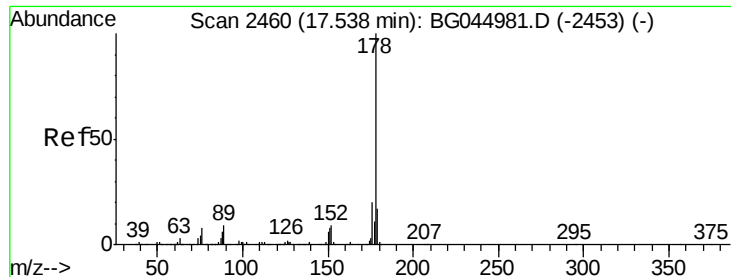


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.437 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.09 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

Instrument :

BNA_G

ClientSampleId :

WC-4

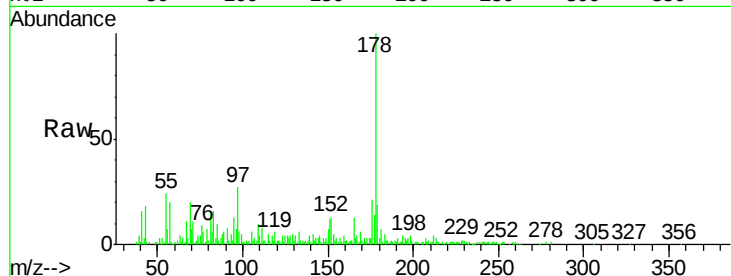
Tot Ion:178 Resp: 69629

Ion Ratio Lower Upper

178 100

176 20.9 16.0 24.0

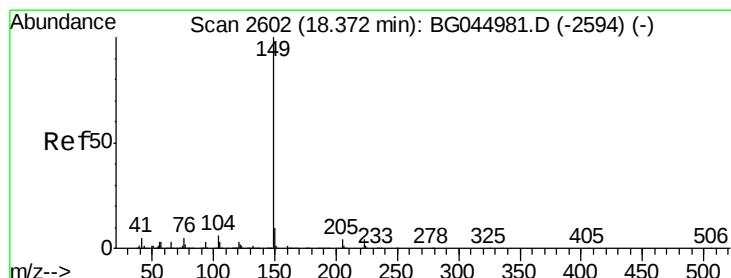
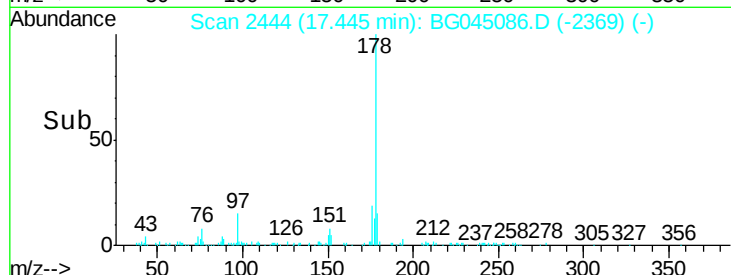
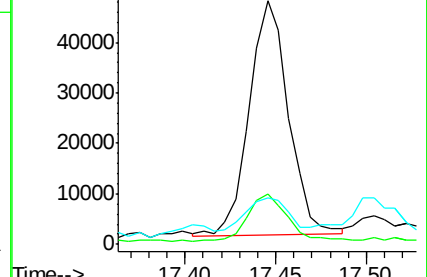
179 19.1 13.6 20.4



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: Below Cal

RT: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

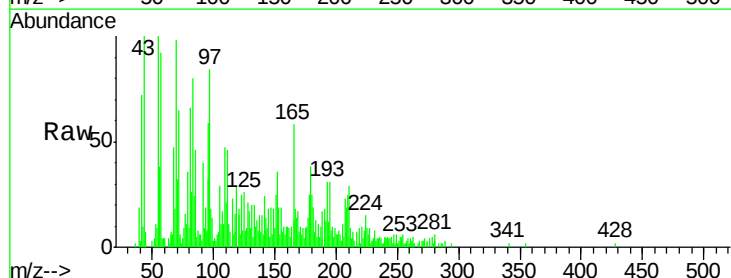
Tgt Ion:149 Resp: 1258

Ion Ratio Lower Upper

149 100

150 53.2 8.2 12.2#

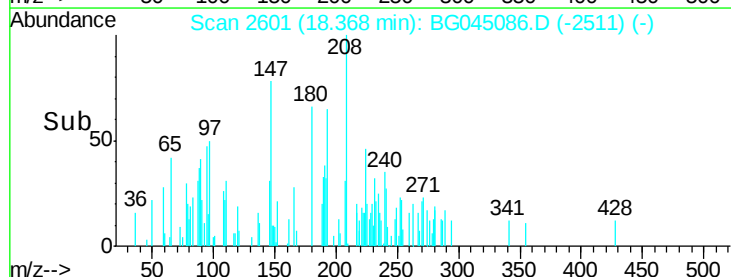
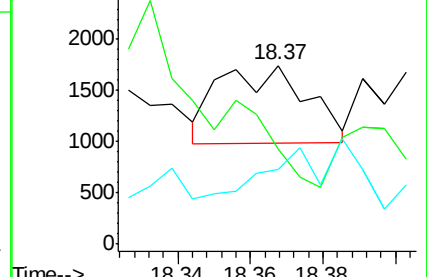
104 41.7 4.8 7.2#

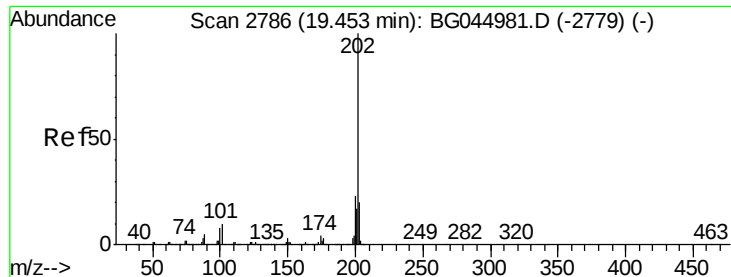


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2786

Delta R.T. 0.00 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

Instrument :

BNA_G

ClientSampleId :

WC-4

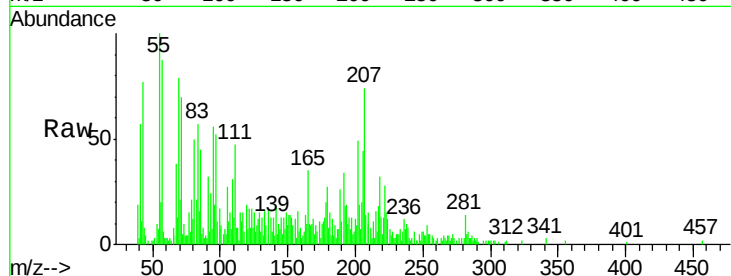
Tot Ion:202 Resp: 7921

Ion Ratio Lower Upper

202 100

101 17.3 0.0 29.6

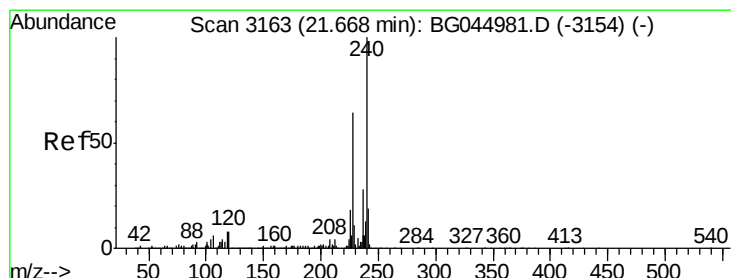
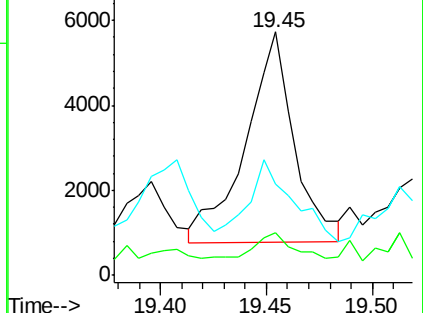
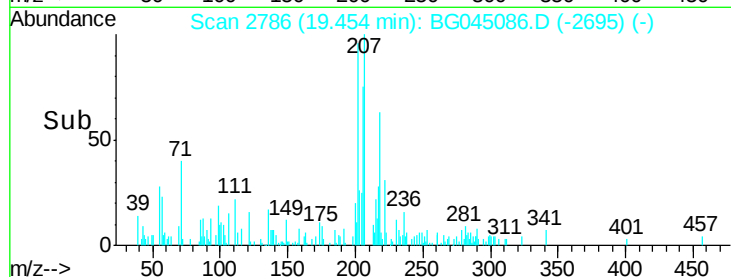
203 37.6 0.0 39.7



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: 21.67 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

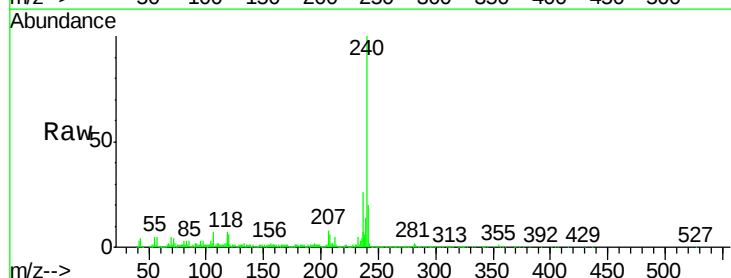
Tgt Ion:240 Resp: 384670

Ion Ratio Lower Upper

240 100

120 6.2 6.6 10.0#

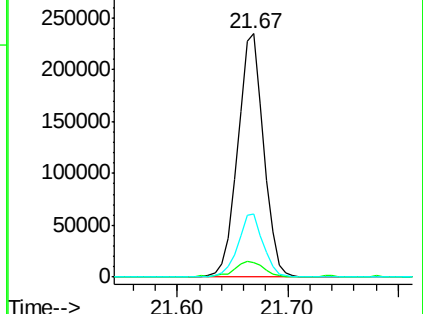
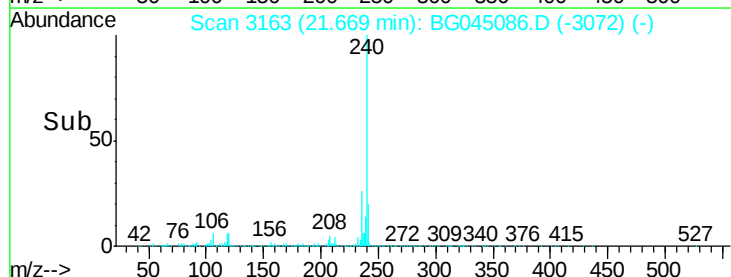
236 25.9 22.2 33.2

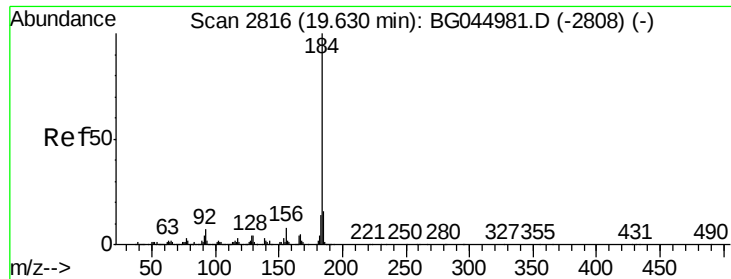


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.61 min Scan# 2813

Delta R.T. -0.01 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

Instrument :

BNA_G

ClientSampleId :

WC-4

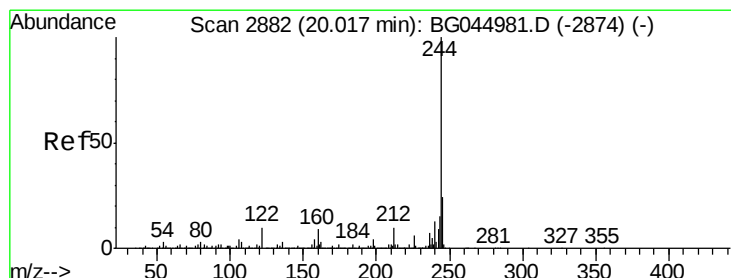
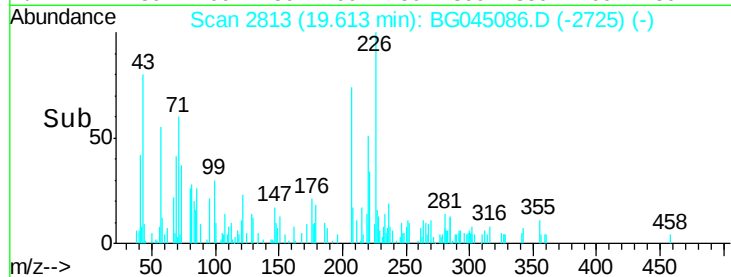
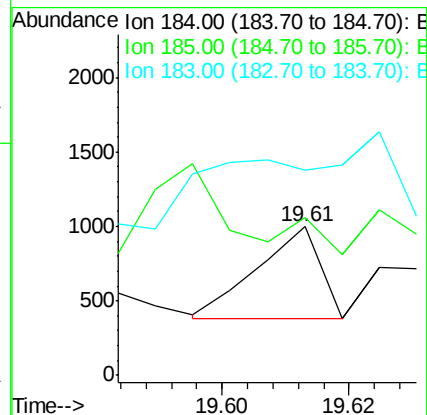
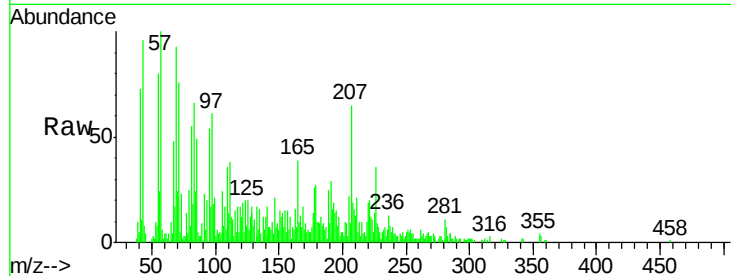
Tot Ion:184 Resp: 422

Ion Ratio Lower Upper

184 100

185 106.4 12.6 19.0#

183 138.2 11.3 16.9#



#79

Terphenyl-d14

Concen: 26.280 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045086.D

Acq: 19 Apr 2020 3:40

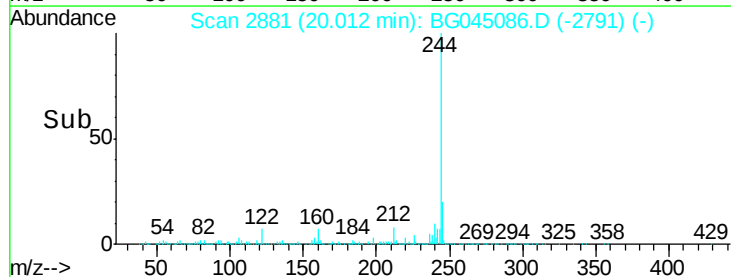
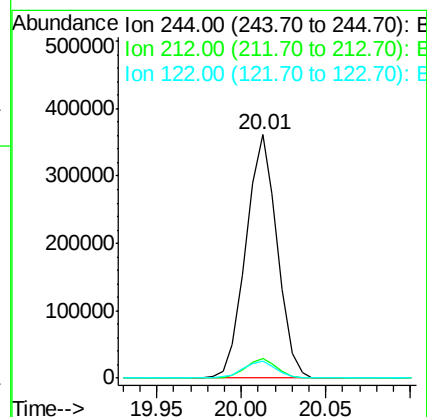
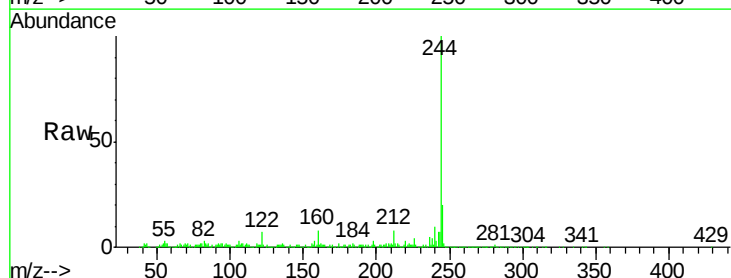
Tgt Ion:244 Resp: 463817

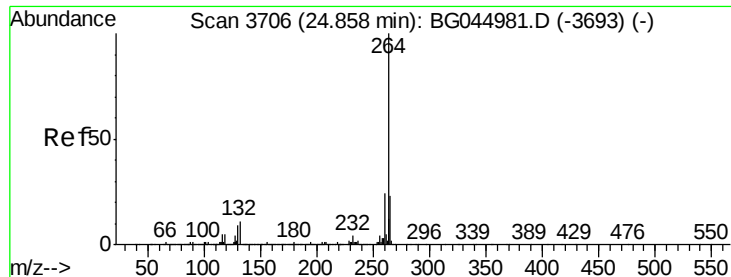
Ion Ratio Lower Upper

244 100

212 8.0 7.9 11.9

122 6.8 7.7 11.5#

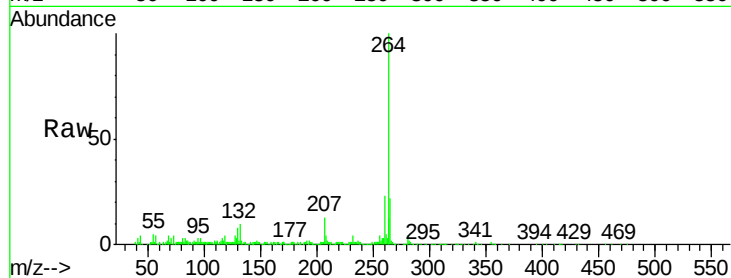




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3707
Delta R.T. 0.01 min
Lab File: BG045086.D
Acq: 19 Apr 2020 3:40

Instrument :
BNA_G
ClientSampleId :
WC-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.9	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

