

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042320\
 Data File : BG045140.D
 Acq On : 23 Apr 2020 13:53
 Operator : CG/JU
 Sample : L2314-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WB-4-2

Quant Time: Apr 23 15:22:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 15:21:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	86992	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	341770	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	246283	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	536275	20.00	ng	0.00
76) Chrysene-d12	21.65	240	475583	20.00	ng	0.00
87) Perylene-d12	24.83	264	512127	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	728472	138.25	ng	0.00
7) Phenol-d6	7.18	99	1071379	136.85	ng	0.00
23) Nitrobenzene-d5	9.17	82	749413	100.05	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	536733	141.07	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1654773	98.52	ng	0.00
79) Terphenyl-d14	20.00	244	2327139	106.65	ng	0.00

Target Compounds

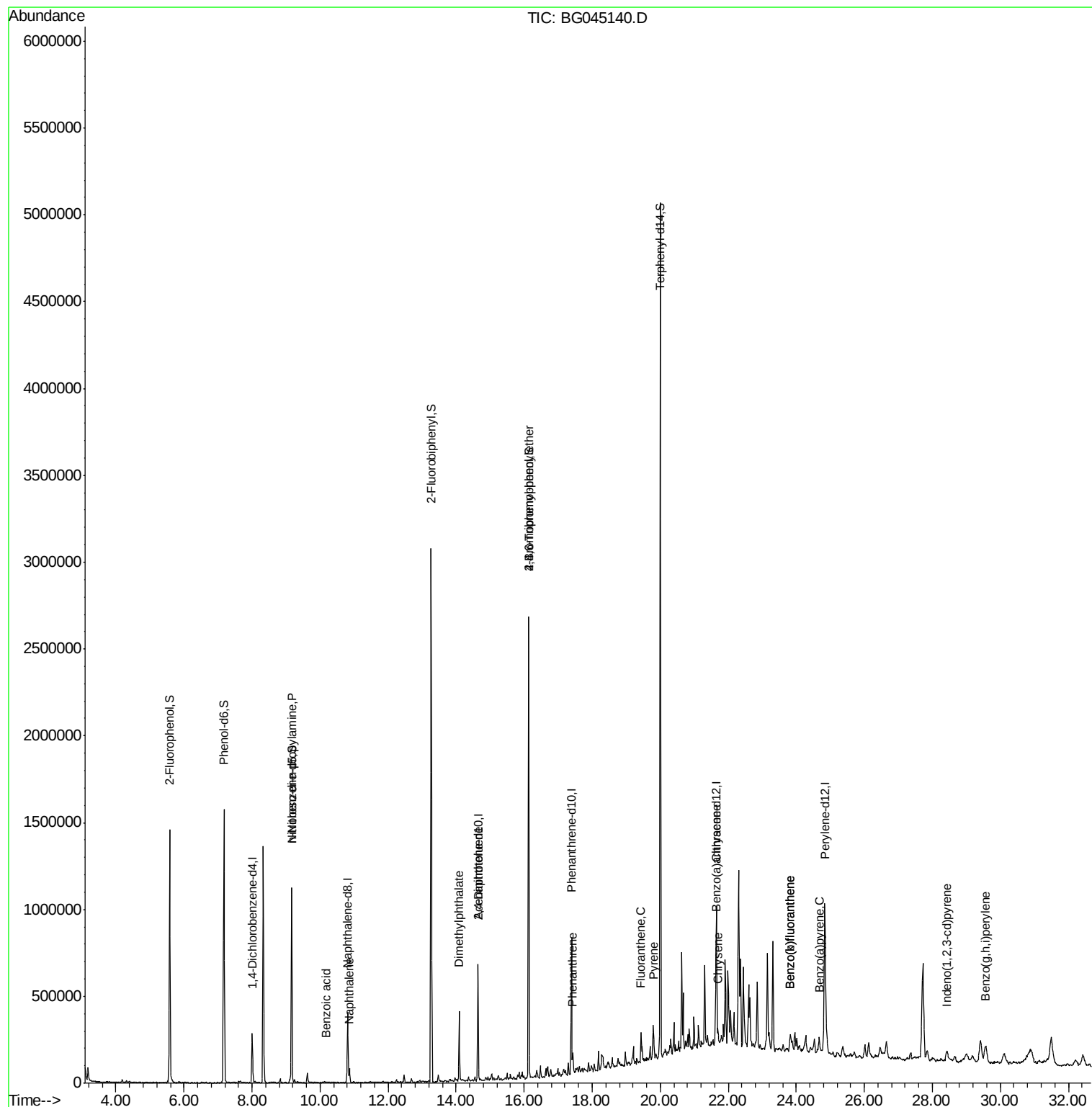
	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	3657	Below Cal	#	32
19) n-Nitroso-di-n-propylamine	9.17	70	101999	18.423	ng	# 82
31) Naphthalene	10.86	128	71156	3.806	ng	# 98
32) Benzoic acid	10.18	122	74	6.389	ng	# 37
50) Dimethylphthalate	14.09	163	257788	12.855	ng	# 99
57) 2,4-Dinitrotoluene	14.64	165	31063	4.739	ng	# 24
67) 4-Bromophenyl-phenylether	16.13	248	37092	5.361	ng	# 1
69) Atrazine	16.86	200	110	Below Cal	#	35
71) Phenanthrene	17.43	178	84358	3.061	ng	# 95
74) Di-n-butylphthalate	18.35	149	4266	Below Cal	#	59
75) Fluoranthene	19.44	202	104210	2.979	ng	# 97
77) Benzidine	20.00	184	50120	Below Cal	#	91
78) Pvrene	19.80	202	116568	3.555	ng	# 96
81) Benzo(a)anthracene	21.63	228	72471	2.351	ng	# 95
83) Chrysene	21.70	228	69403	2.343	ng	# 97
86) Indeno(1,2,3-cd)pyrene	28.43	276	103642	2.636	ng	# 95
88) Benzo(b)fluoranthene	23.82	252	123120	3.838	ng	# 95
89) Benzo(k)fluoranthene	23.82	252	123120	4.036	ng	# 94
90) Benzo(a)pvrene	24.68	252	104306	3.444	ng	# 95
92) Benzo(a,h,i)perylene	29.56	276	118122	3.860	ng	# 95

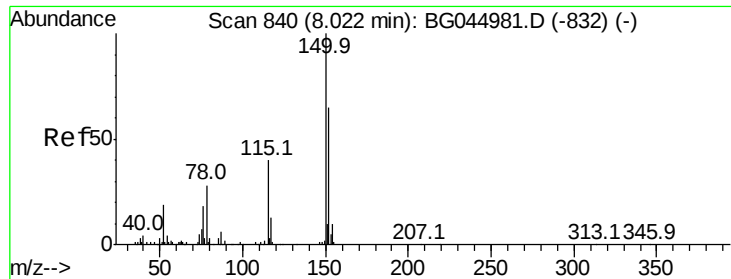
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042320\
Data File : BG045140.D
Acq On : 23 Apr 2020 13:53
Operator : CG/JU
Sample : L2314-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WB-4-2

Quant Time: Apr 23 15:22:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 23 15:21:03 2020
Response via : Initial Calibration



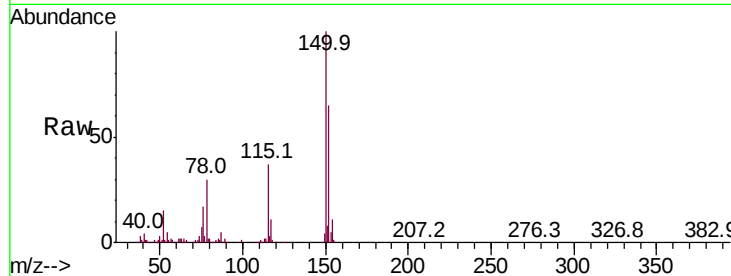


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

Instrument :
BNA_G
ClientSampleId :
WB-4-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	123.6	185.4
115	57.0	49.1	73.7

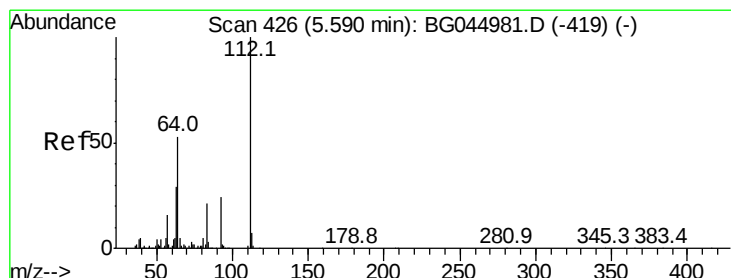
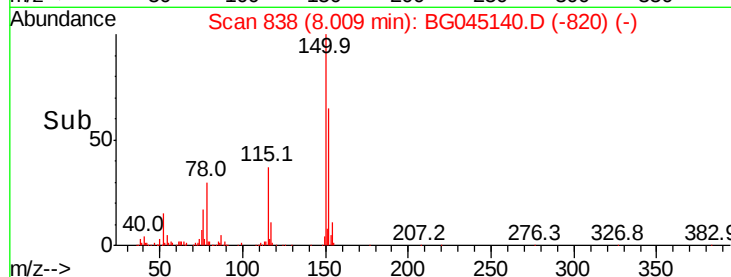
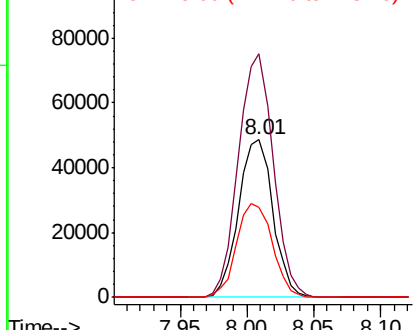


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

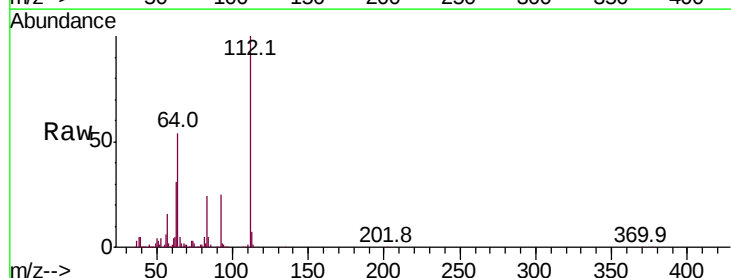
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 138.250 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	42.4	63.6
63	31.4	23.1	34.7

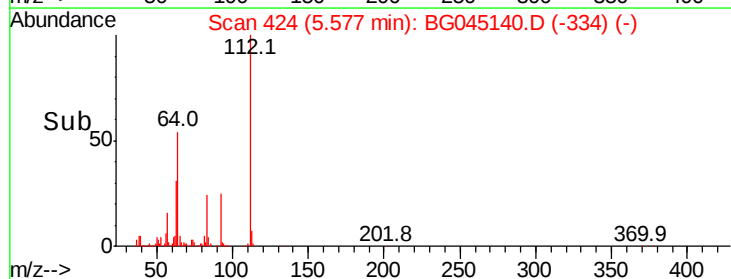
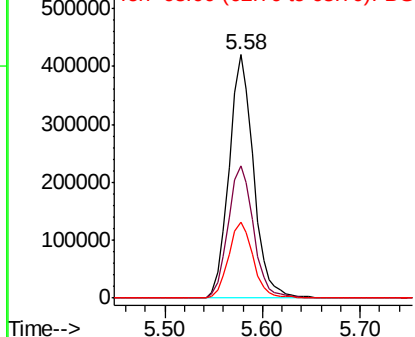


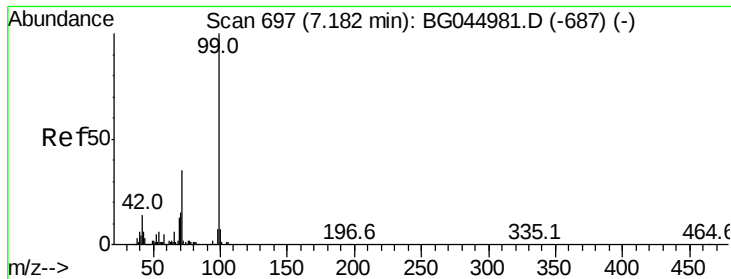
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 136.852 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

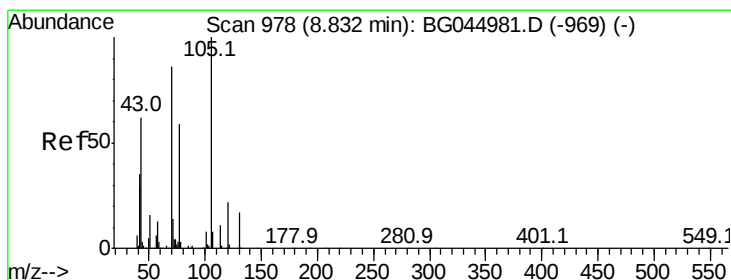
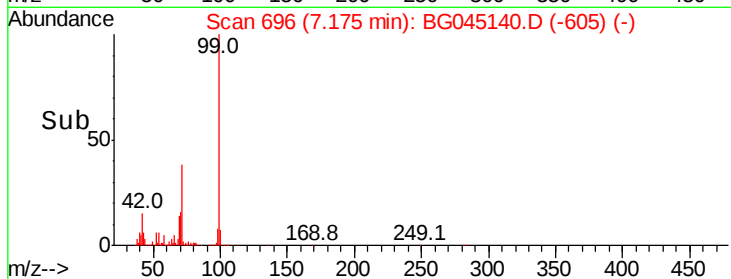
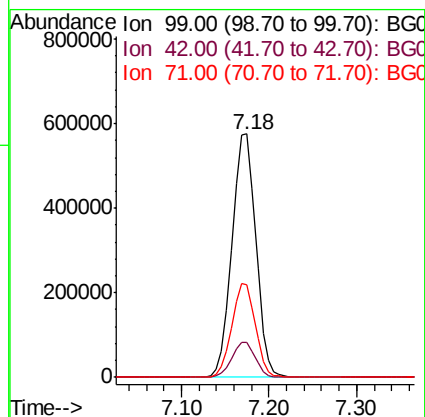
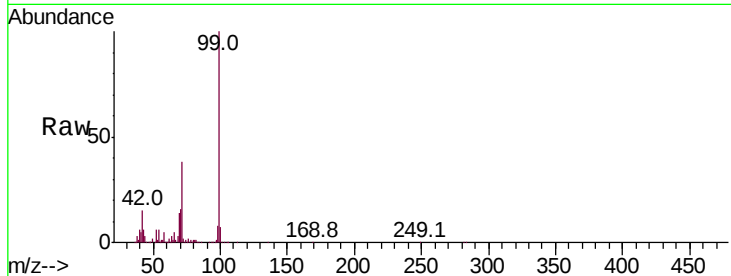
Tot Ion: 99 Resp: 1071379

Ion Ratio Lower Upper

99 100

42 14.5 11.3 16.9

71 38.1 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 18.423 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Tgt Ion: 70 Resp: 101999

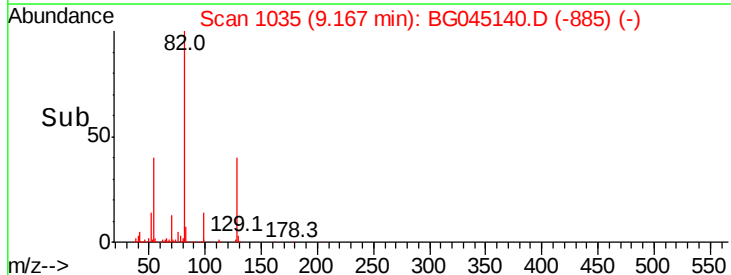
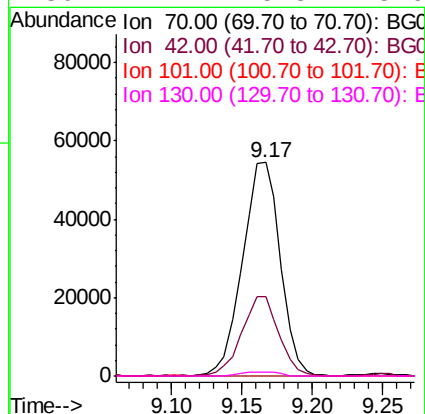
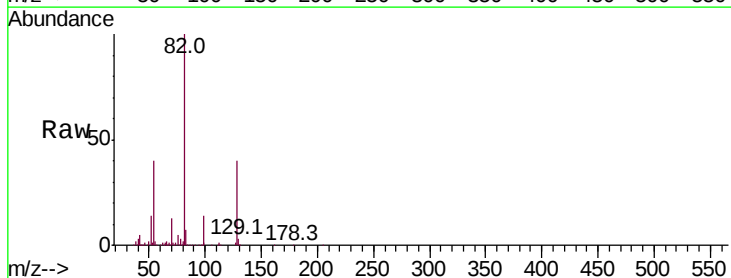
Ion Ratio Lower Upper

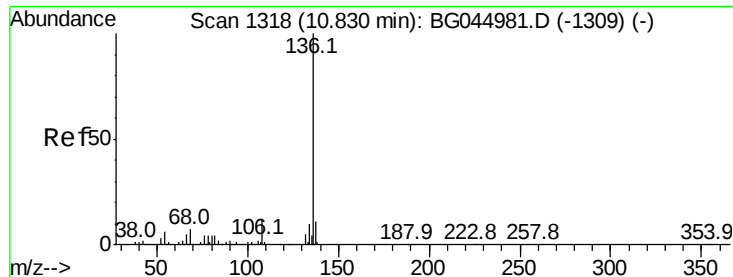
70 100

42 37.1 33.3 49.9

101 0.0 7.8 11.8#

130 2.1 15.8 23.6#

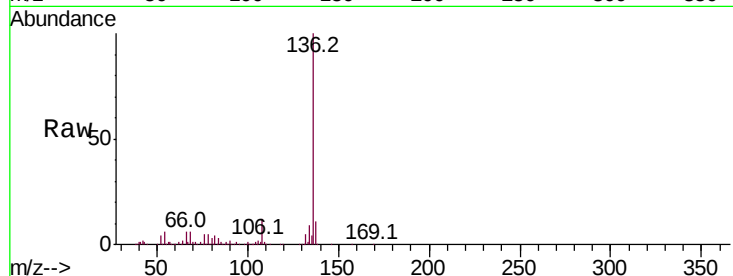




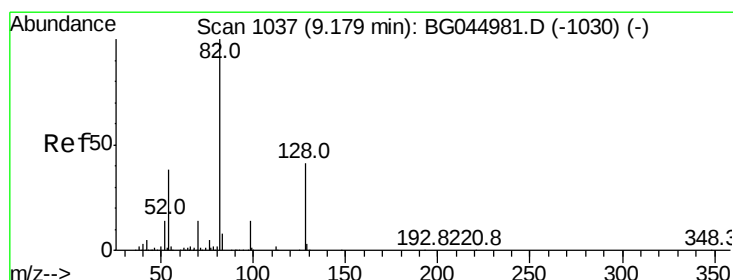
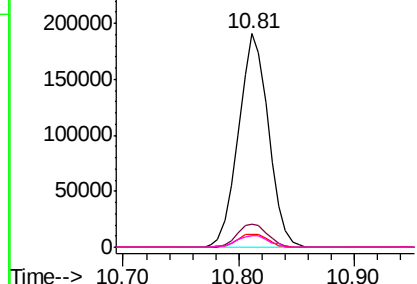
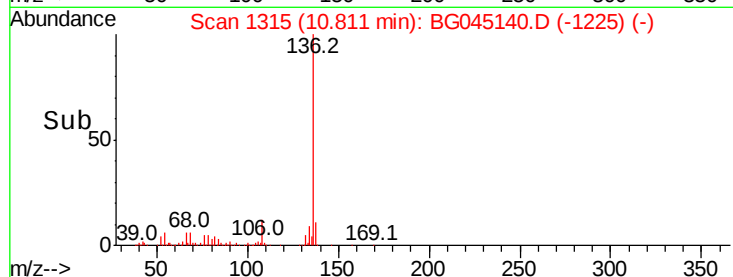
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

Instrument :
BNA_G
ClientSampleId :
WB-4-2

Tot Ion:136	Resp:	341770
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.6	13.0
54 5.8	4.8	7.2
68 5.7	5.2	7.8

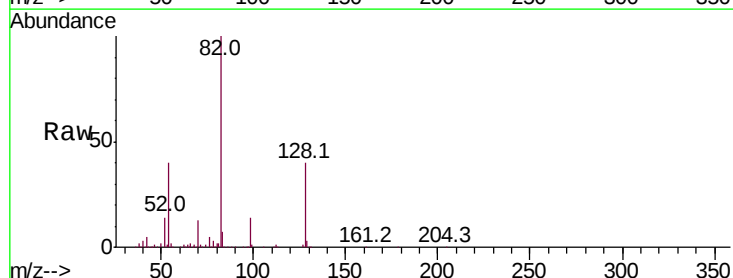


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

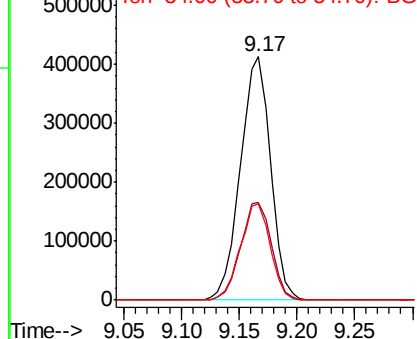
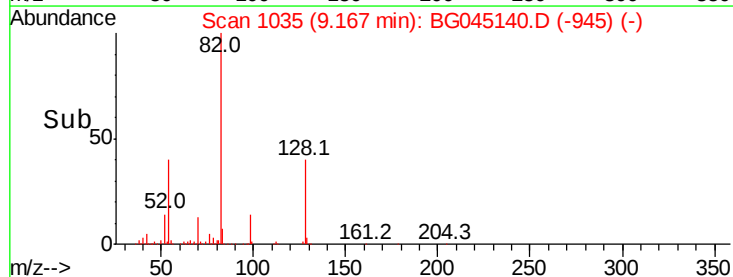


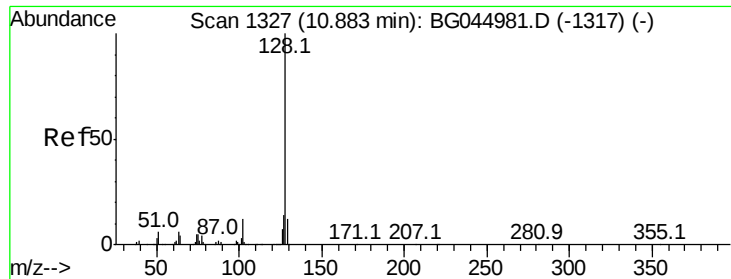
#23
Nitrobenzene-d5
Concen: 100.052 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

Tgt	Ion: 82	Resp:	749413
Ion	Ratio	Lower	Upper
82	100		
128	39.9	33.0	49.4
54	39.8	30.4	45.6



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

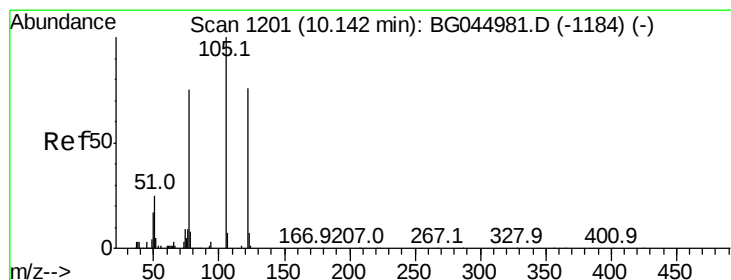
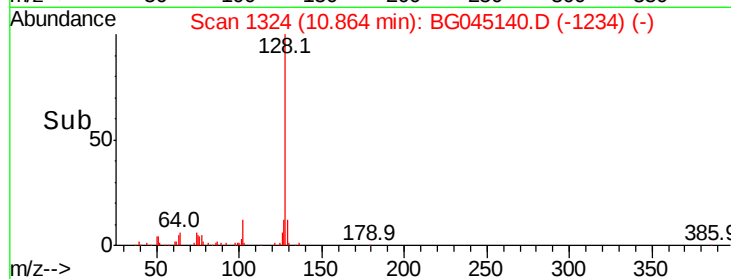
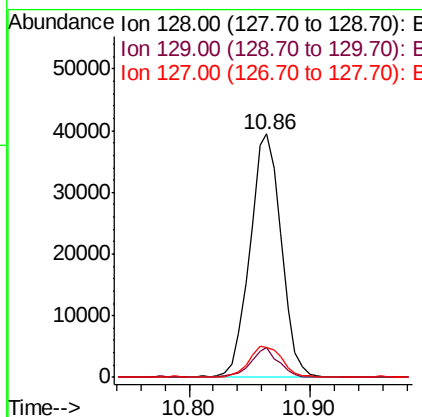
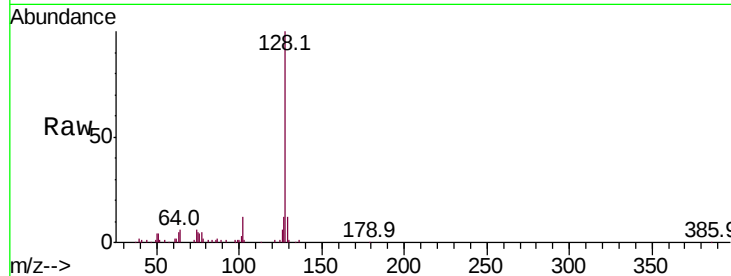




#31
Naphthalene
Concen: 3.806 ng
RT: 10.86 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

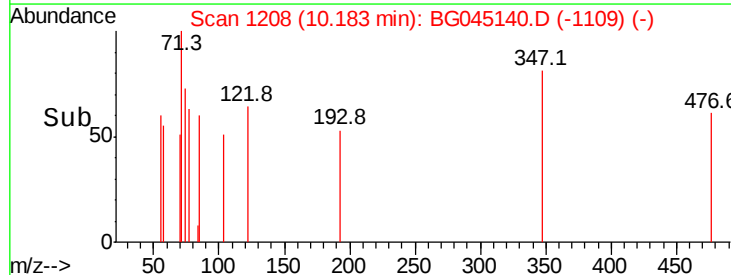
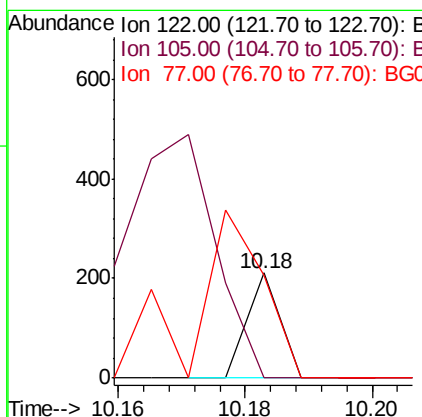
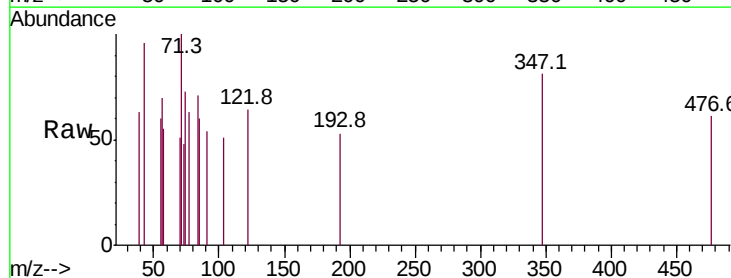
Instrument :
BNA_G
ClientSampleId :
WB-4-2

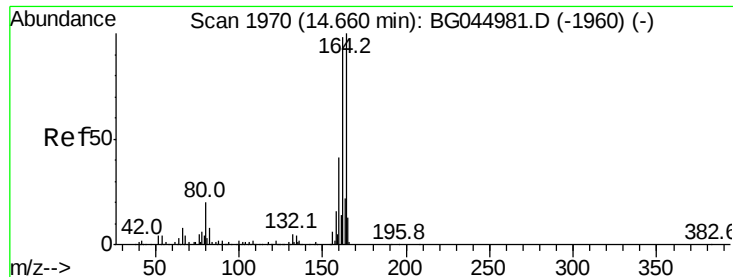
Tot Ion:128 Resp: 71156
Ion Ratio Lower Upper
128 100
129 12.1 9.4 14.2
127 12.5 10.8 16.2



#32
Benzoic acid
Concen: 6.389 ng
RT: 10.18 min Scan# 1208
Delta R.T. 0.05 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

Tgt Ion:122 Resp: 74
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 97.6 78.8 118.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

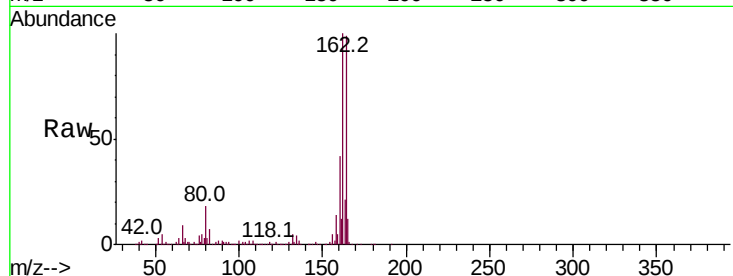
Tot Ion:164 Resp: 246283

Ion	Ratio	Lower	Upper
164	100		
162	100.6	78.7	118.1
160	42.5	32.8	49.2

164 100

162 100.6 78.7 118.1

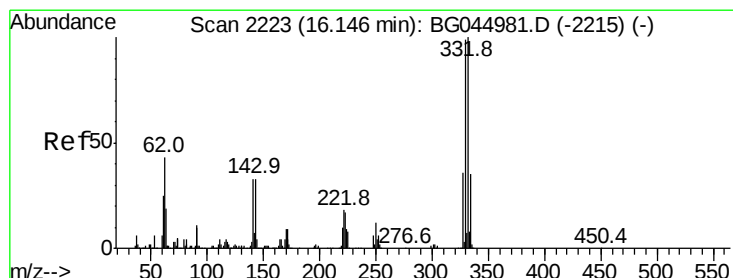
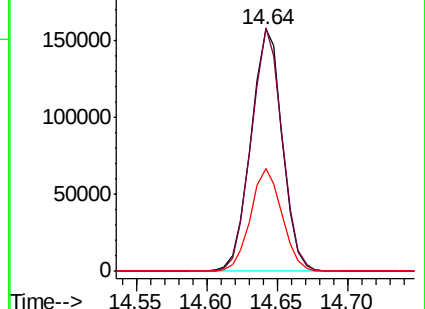
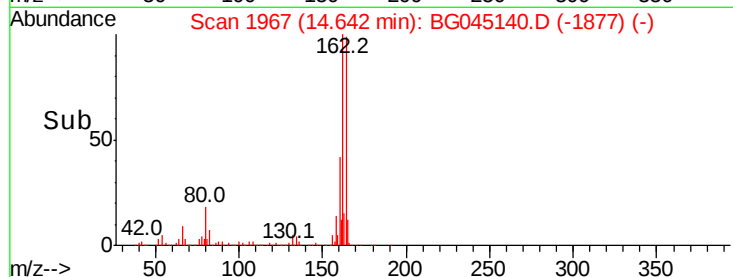
160 42.5 32.8 49.2



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: 141.069 ng

RT: 16.13 min Scan# 2221

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

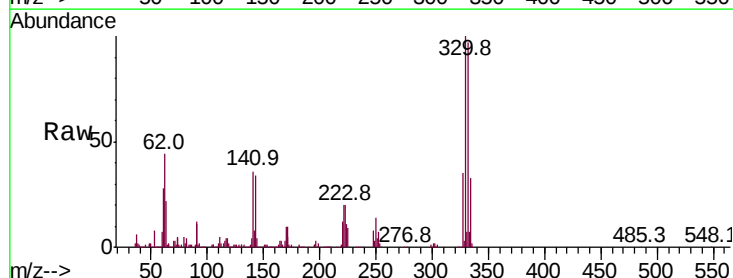
Tgt Ion:330 Resp: 536733

Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.1	118.7
141	36.5	27.1	40.7

330 100

332 96.7 79.1 118.7

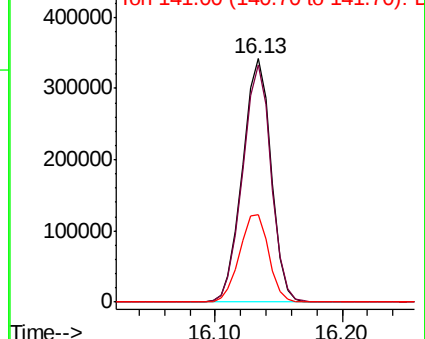
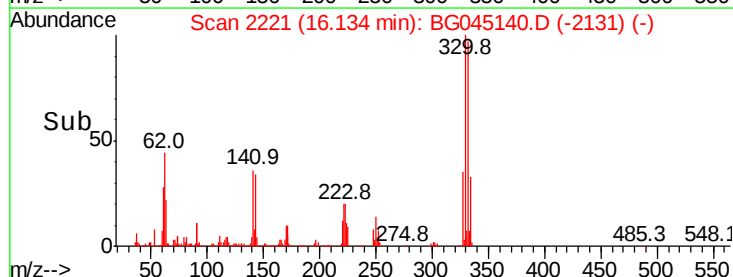
141 36.5 27.1 40.7

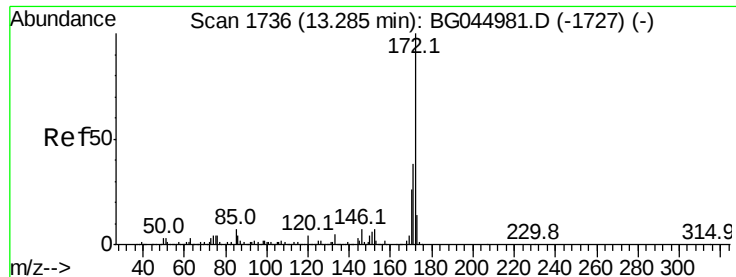


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

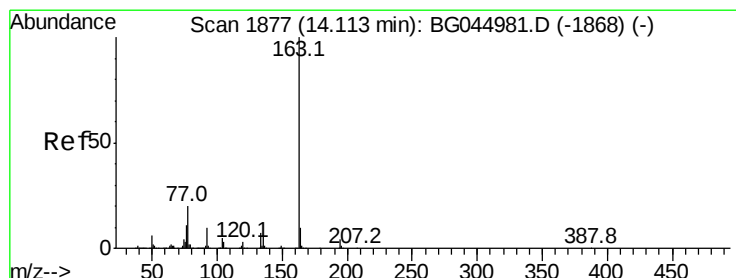
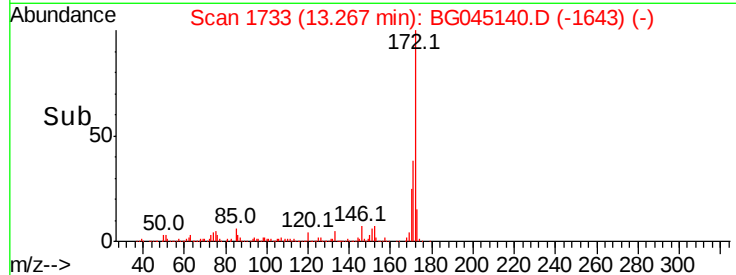
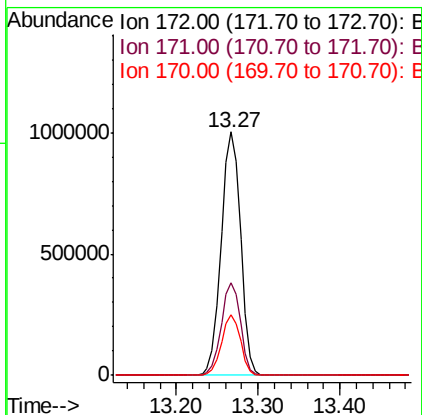
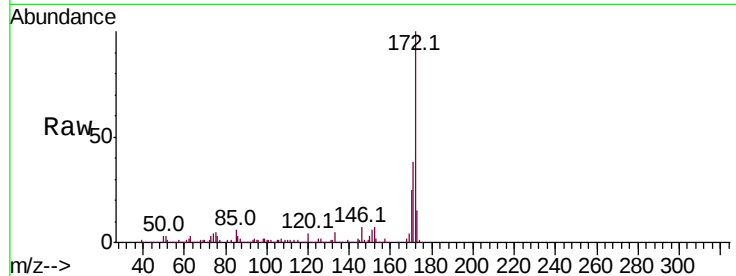




#45
2-Fluorobiphenyl
Concen: 98.522 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

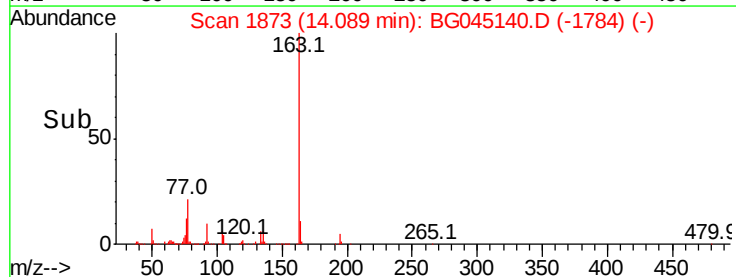
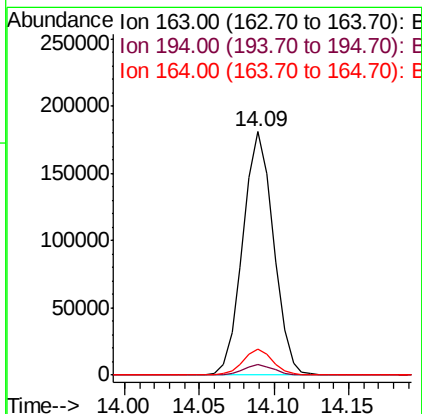
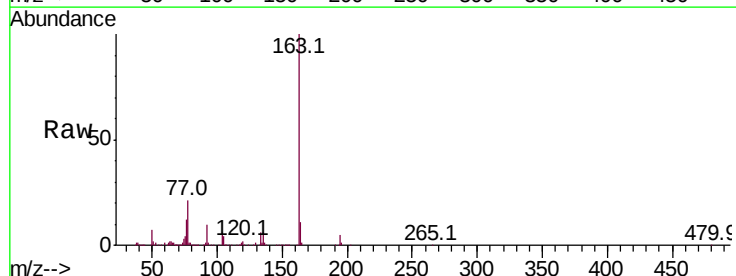
Instrument :
BNA_G
ClientSampleId :
WB-4-2

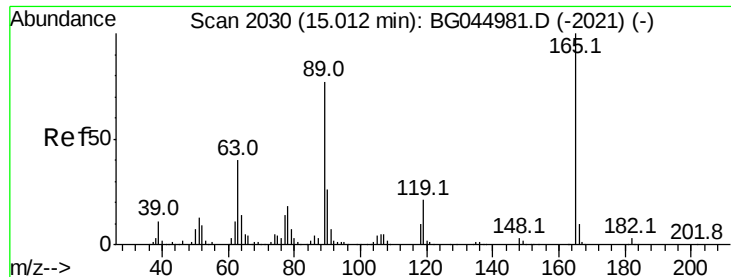
Tot Ion:172 Resp: 1654773
Ion Ratio Lower Upper
172 100
171 38.3 30.6 46.0
170 24.9 20.5 30.7



#50
Dimethylphthalate
Concen: 12.855 ng
RT: 14.09 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

Tgt Ion:163 Resp: 257788
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 10.5 8.2 12.4

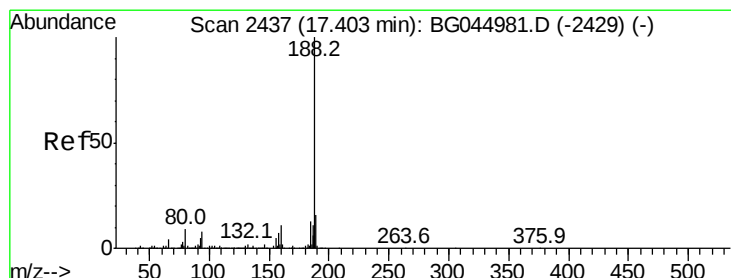
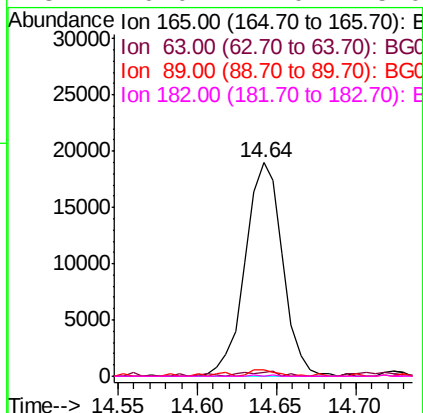
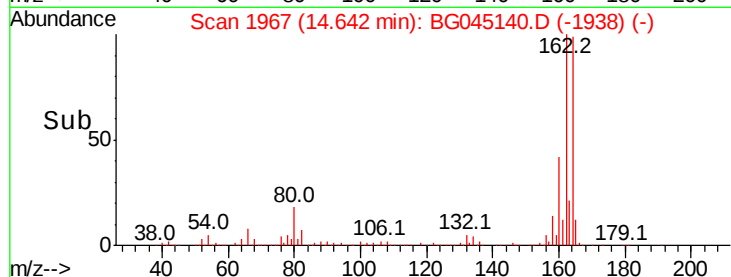
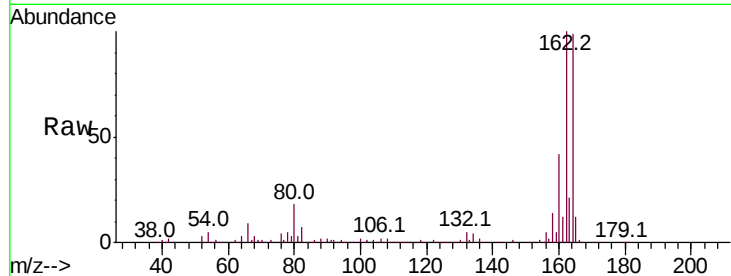




#57
 2,4-Dinitrotoluene
 Concen: 4.739 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG045140.D
 Acq: 23 Apr 2020 13:53

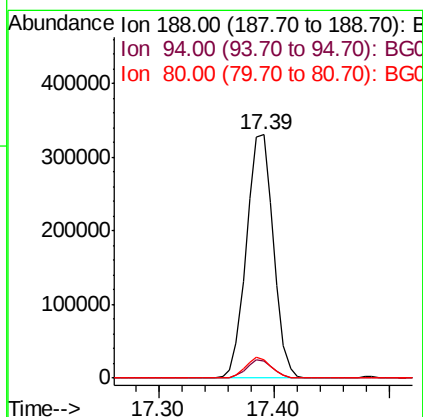
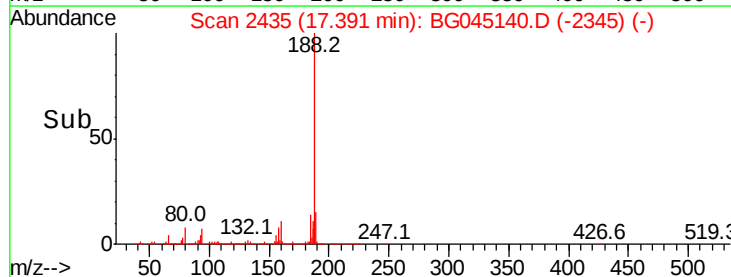
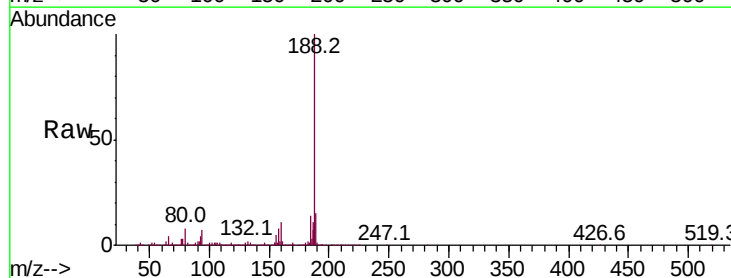
Instrument :
 BNA_G
 ClientSampleId :
 WB-4-2

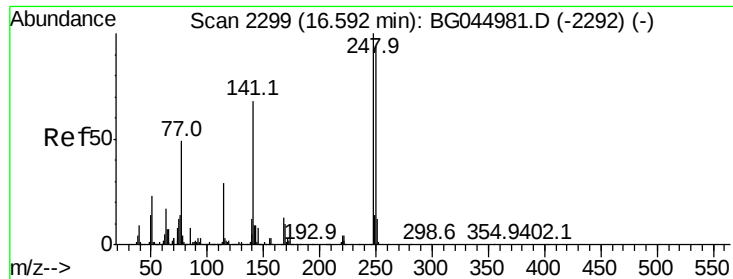
Tot Ion:165 Resp: 31063
 Ion Ratio Lower Upper
 165 100
 63 1.8 32.2 48.2#
 89 3.3 61.7 92.5#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: BG045140.D
 Acq: 23 Apr 2020 13:53

Tgt Ion:188 Resp: 536275
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.2 9.4
 80 7.6 7.0 10.6

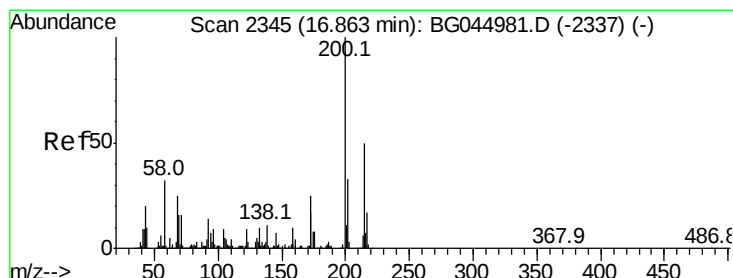
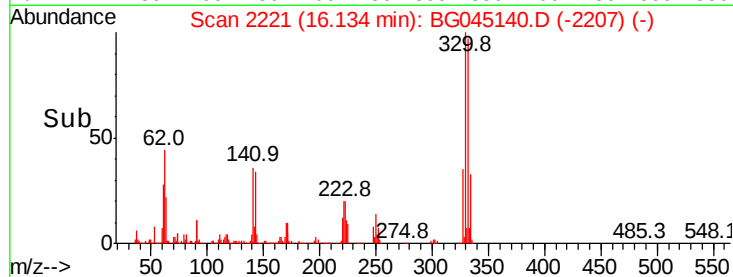
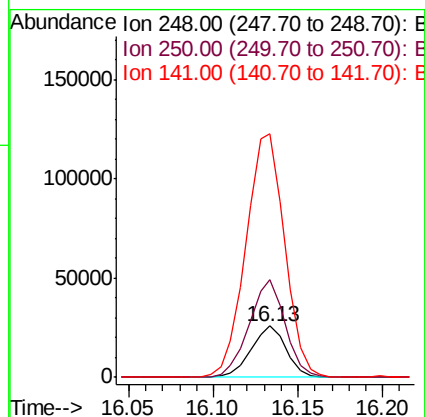
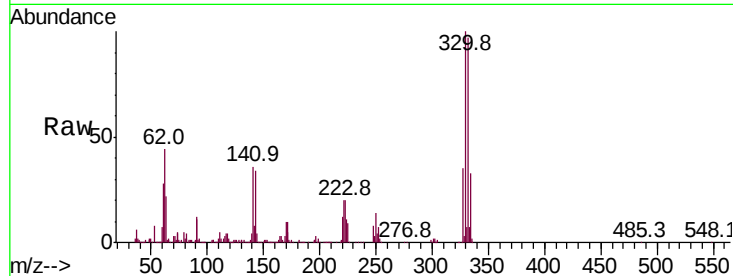




#67
4-Bromophenyl-phenylether
Concen: 5.361 ng
RT: 16.13 min Scan# 2221
Delta R.T. -0.45 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

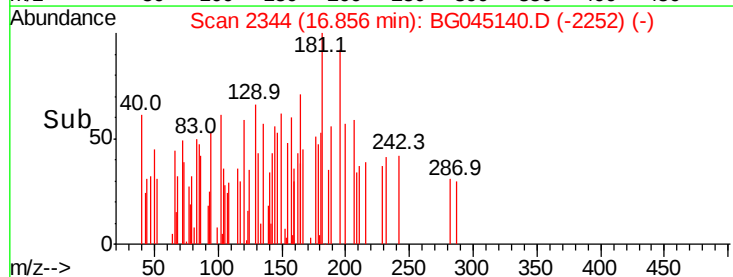
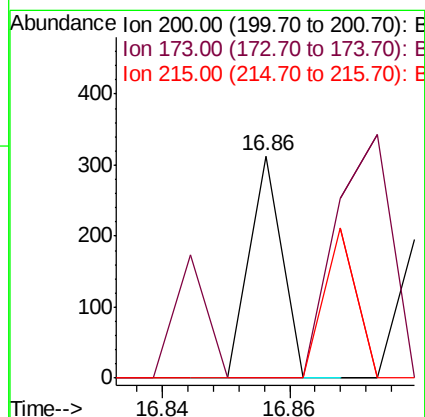
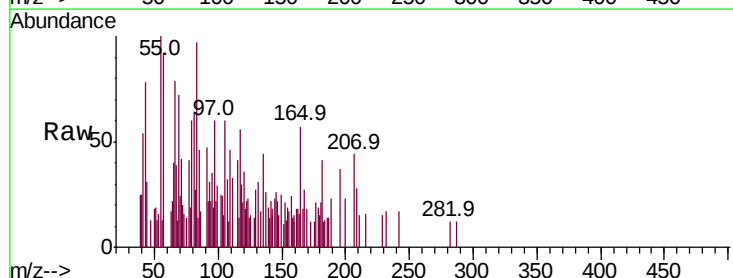
Instrument :
BNA_G
ClientSampleId :
WB-4-2

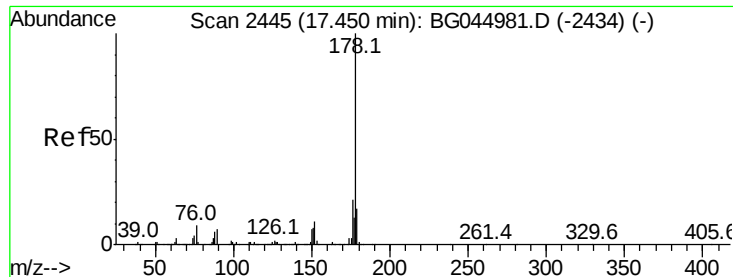
Tot Ion:248 Resp: 37092
Ion Ratio Lower Upper
248 100
250 190.4 75.4 113.2#
141 476.5 54.4 81.6#



#69
Atrazine
Concen: Below Cal
RT: 16.86 min Scan# 2344
Delta R.T. 0.01 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

Tgt Ion:200 Resp: 110
Ion Ratio Lower Upper
200 100
173 0.0 4.5 44.5#
215 0.0 30.0 70.0#





#71

Phenanthrene

Concen: 3.061 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

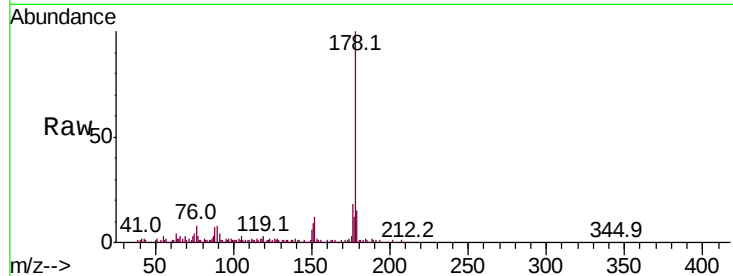
Tot Ion:178 Resp: 84358

Ion Ratio Lower Upper

178 100

176 18.4 16.8 25.2

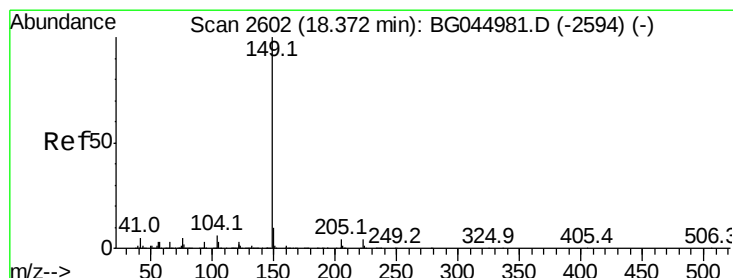
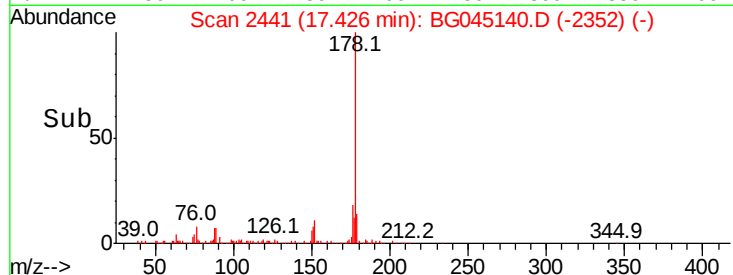
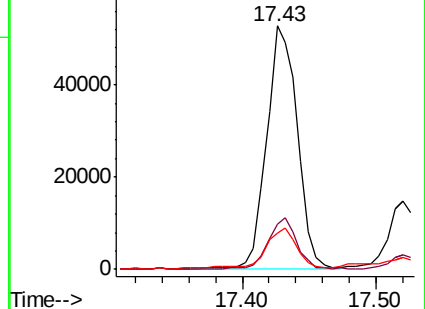
179 15.1 13.2 19.8



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



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.35 min Scan# 2599

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

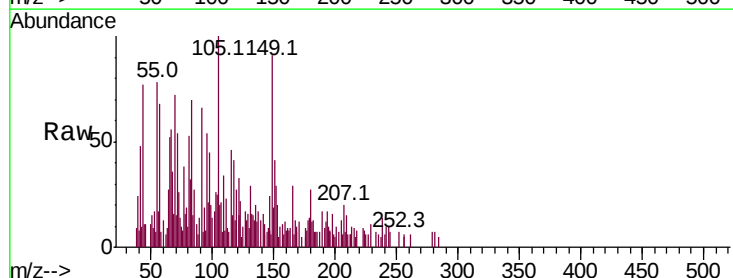
Tgt Ion:149 Resp: 4266

Ion Ratio Lower Upper

149 100

150 20.5 8.2 12.2#

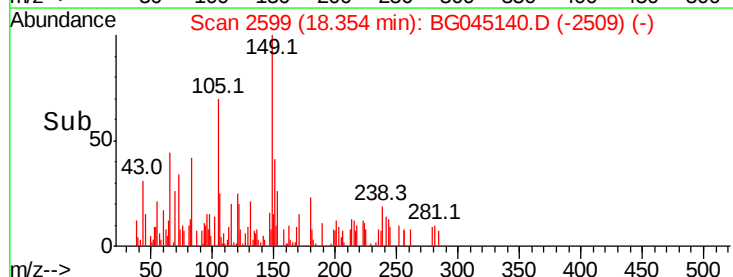
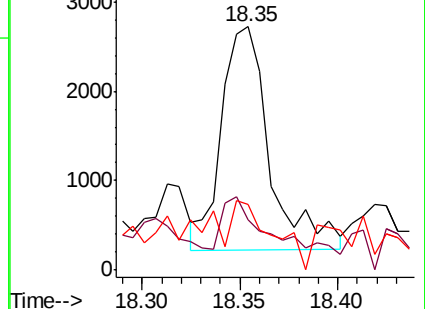
104 27.2 4.8 7.2#

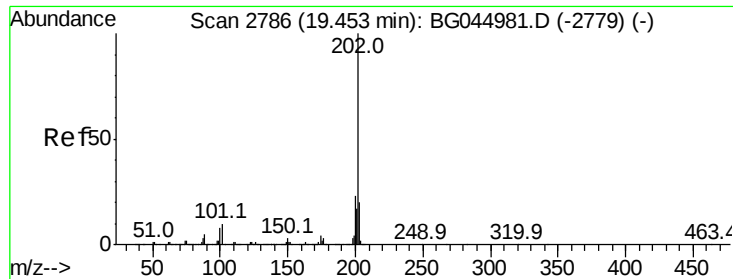


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 2.979 ng

RT: 19.44 min Scan# 2784

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

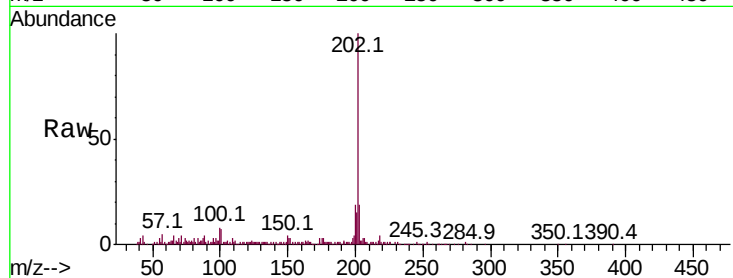
Tot Ion:202 Resp: 104210

Ion Ratio Lower Upper

202 100

101 7.4 0.0 29.6

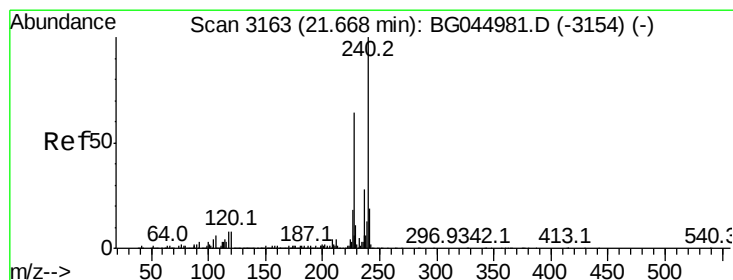
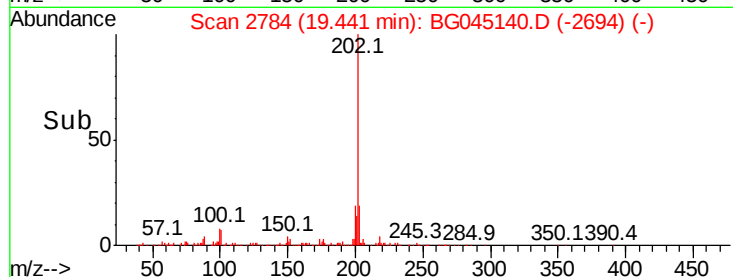
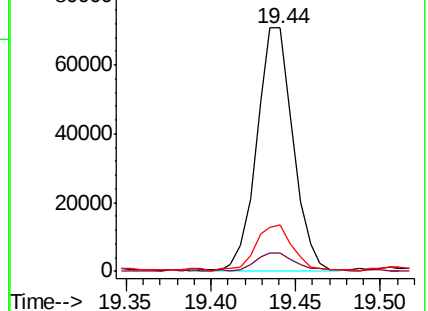
203 18.9 0.0 39.7



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: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

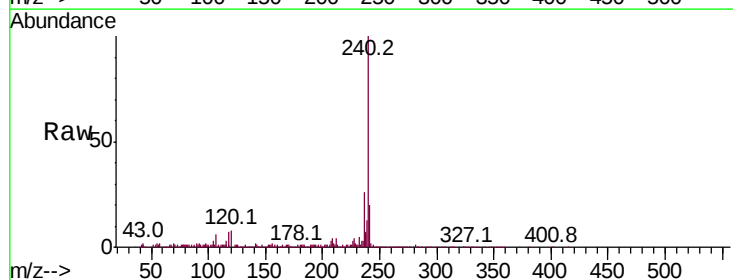
Tgt Ion:240 Resp: 475583

Ion Ratio Lower Upper

240 100

120 7.7 6.6 10.0

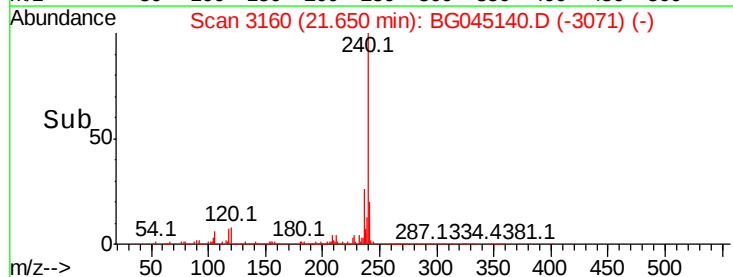
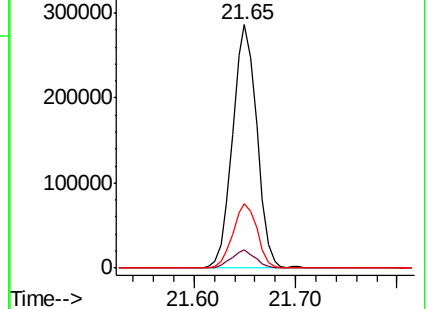
236 26.4 22.2 33.2

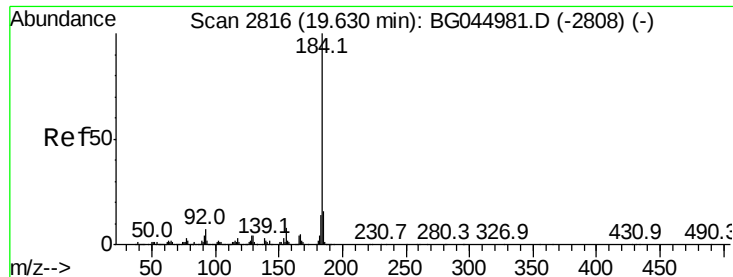


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.00 min Scan# 2880

Delta R.T. 0.39 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

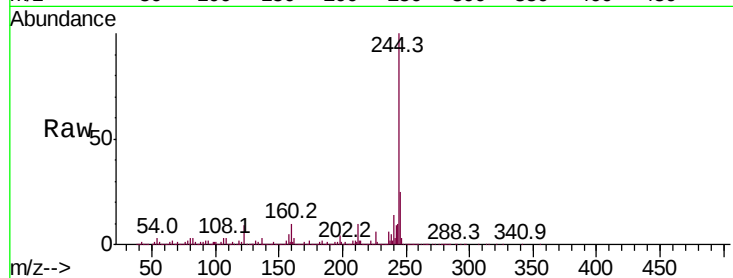
Tot Ion:184 Resp: 50120

Ion Ratio Lower Upper

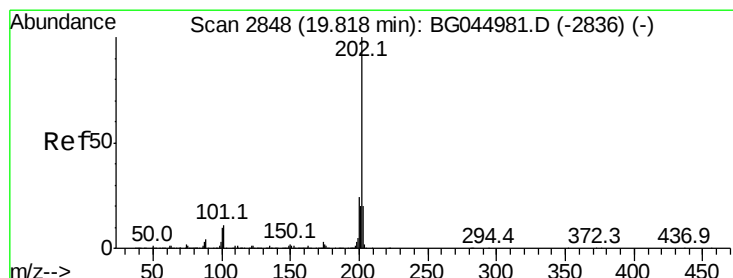
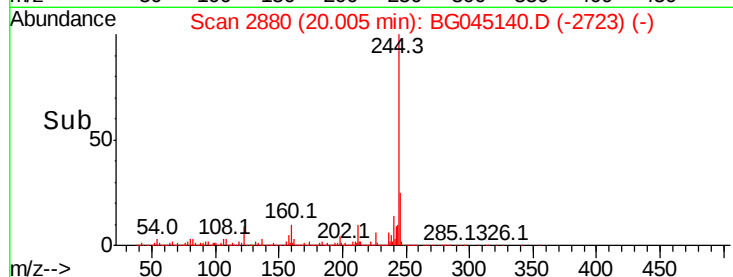
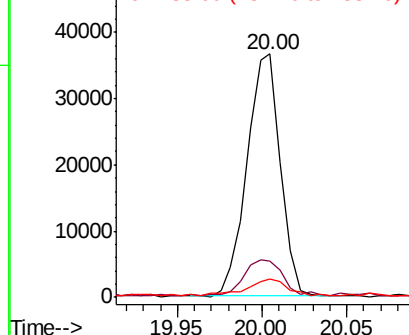
184 100

185 15.0 12.6 19.0

183 7.4 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: 3.555 ng

RT: 19.80 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

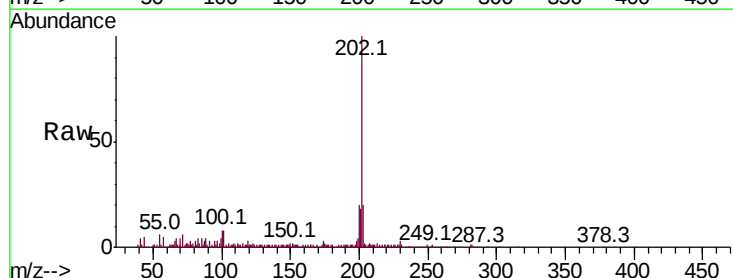
Tgt Ion:202 Resp: 116568

Ion Ratio Lower Upper

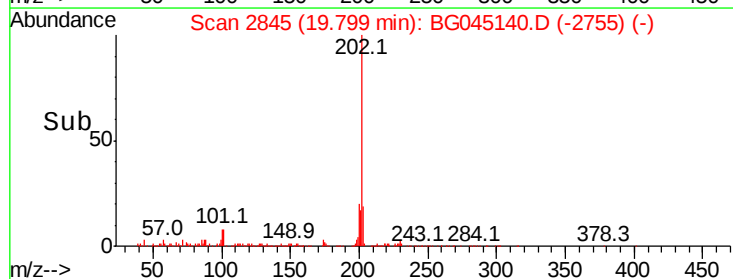
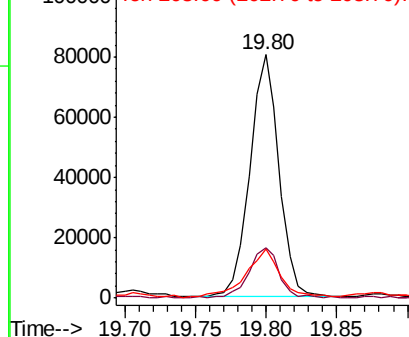
202 100

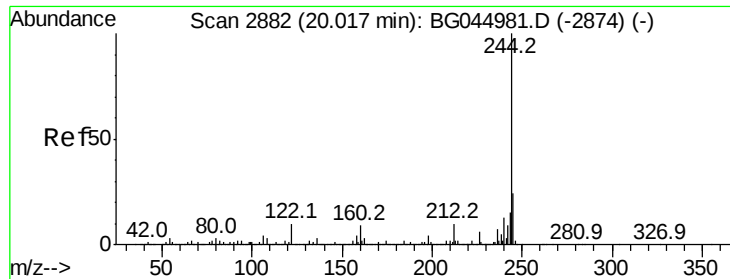
200 20.4 19.0 28.6

203 20.3 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: 106.651 ng

RT: 20.00 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

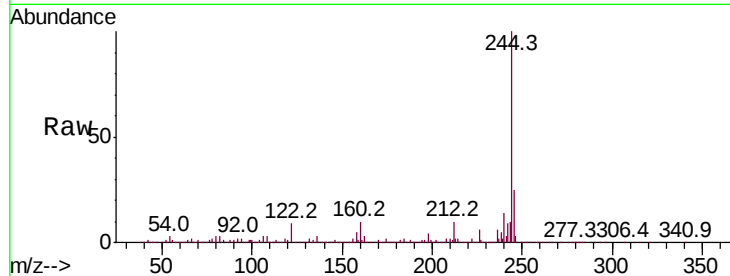
Tot Ion:244 Resp: 2327139

Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.9	11.9
122	9.1	7.7	11.5

244 100

212 10.3 7.9 11.9

122 9.1 7.7 11.5

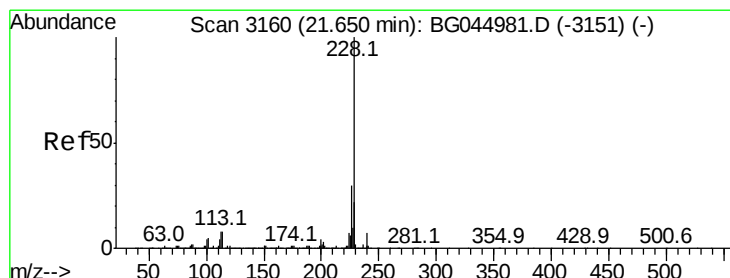
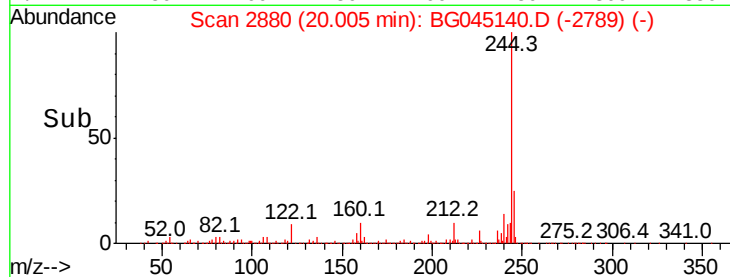
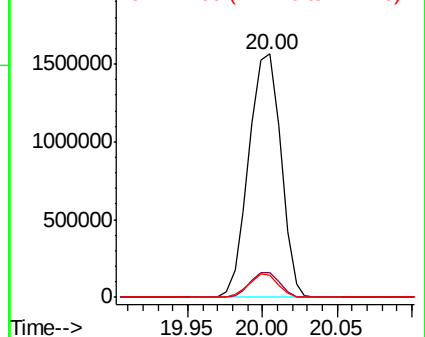


Abundance

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: 2.351 ng

RT: 21.63 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

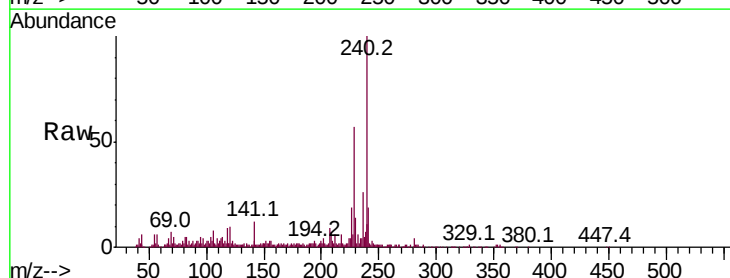
Tgt Ion:228 Resp: 72471

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.0	36.0
229	24.1	17.5	26.3

228 100

226 32.5 24.0 36.0

229 24.1 17.5 26.3

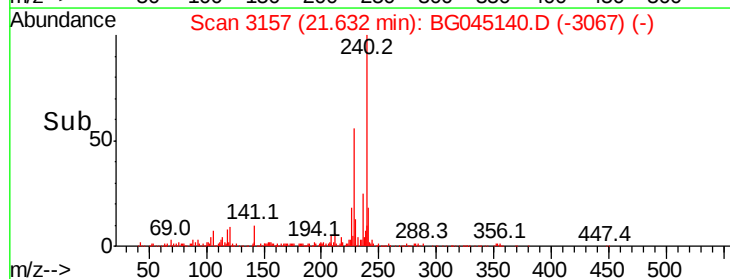
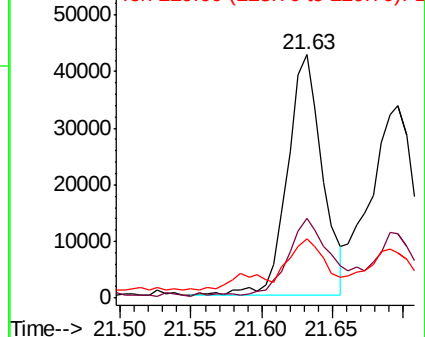


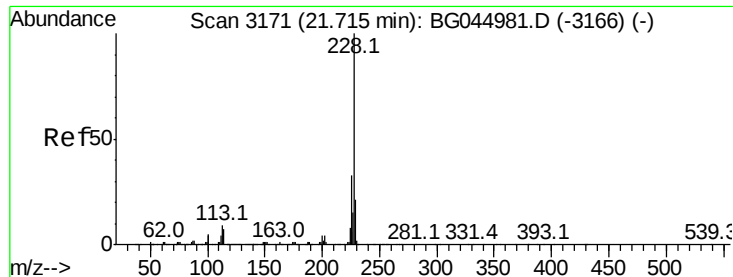
Abundance

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

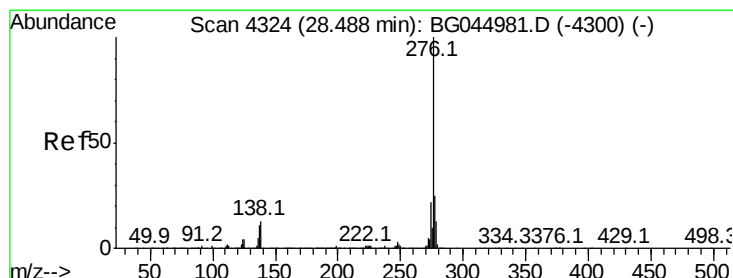
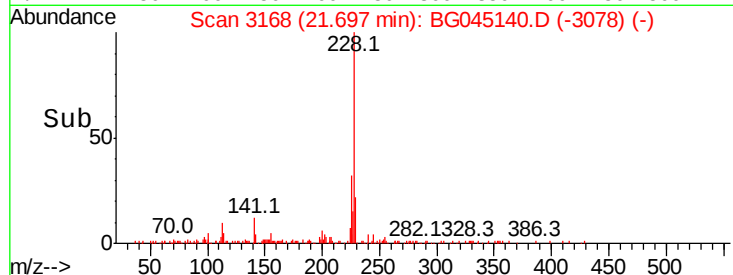
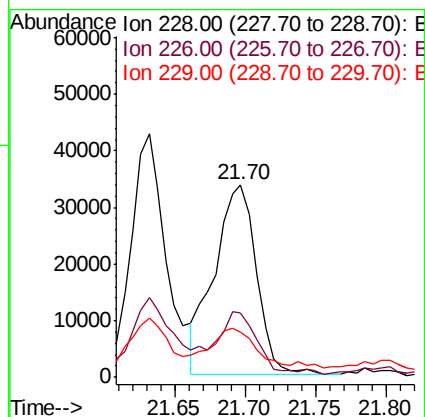
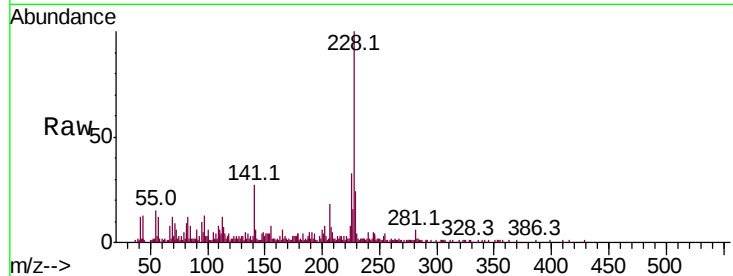




#83
Chrysene
Concen: 2.343 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

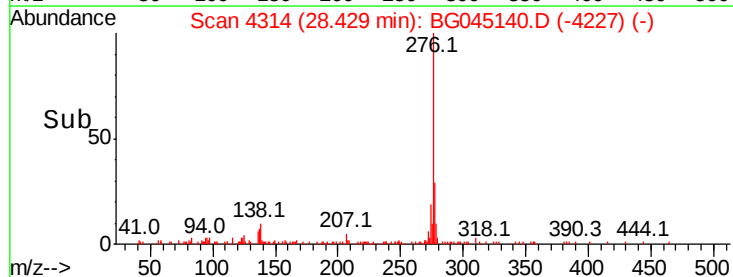
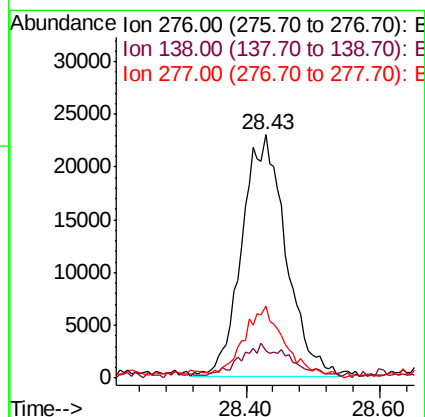
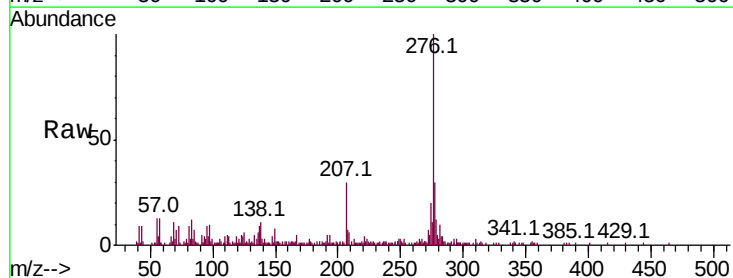
Instrument :
BNA_G
ClientSampleId :
WB-4-2

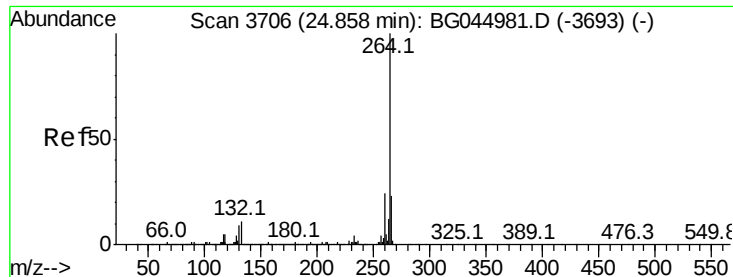
Tot	Ion:228	Resp:	69403
Ion	Ratio	Lower	Upper
228	100		
226	33.3	26.2	39.4
229	23.7	17.0	25.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.636 ng
RT: 28.43 min Scan# 4314
Delta R.T. -0.02 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

Tgt	Ion:276	Resp:	103642
Ion	Ratio	Lower	Upper
276	100		
138	7.9	9.6	14.4#
277	24.6	20.6	31.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.83 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

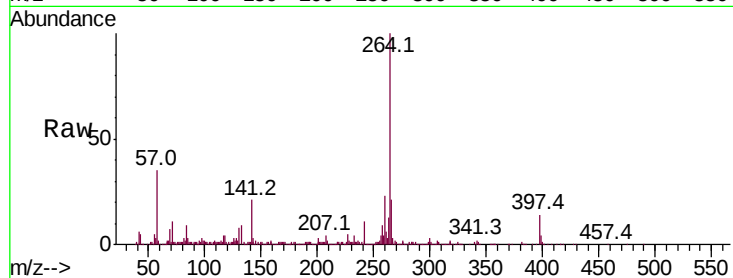
BNA_G

ClientSampleId :

WB-4-2

Tot Ion:264 Resp: 512127

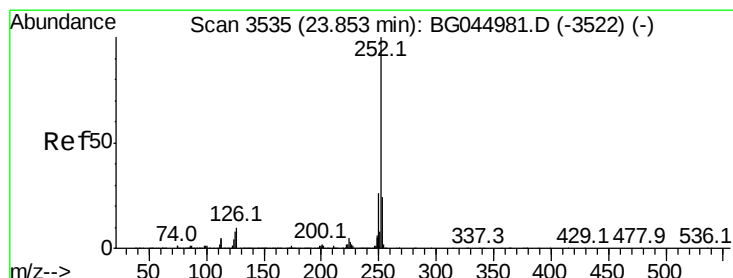
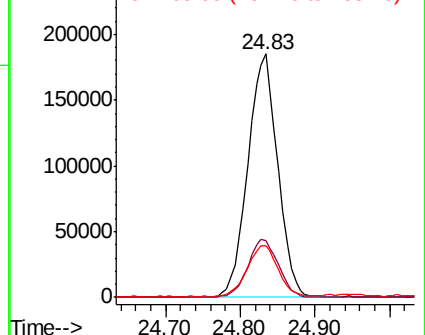
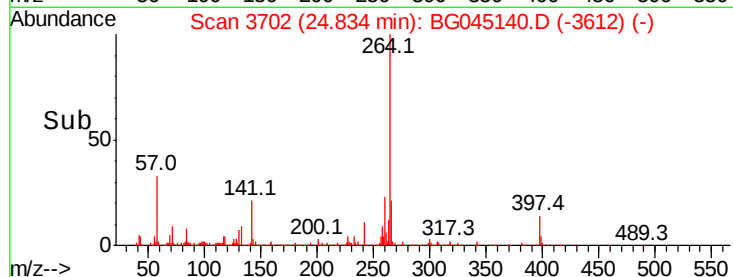
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.4	19.0	28.4



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



#88

Benzo(b)fluoranthene

Concen: 3.838 ng

RT: 23.82 min Scan# 3530

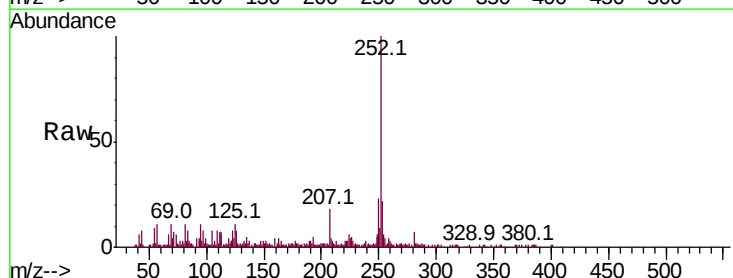
Delta R.T. -0.01 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Tgt Ion:252 Resp: 123120

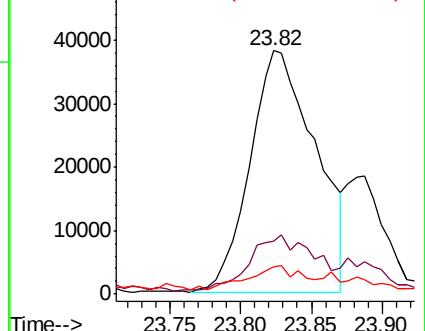
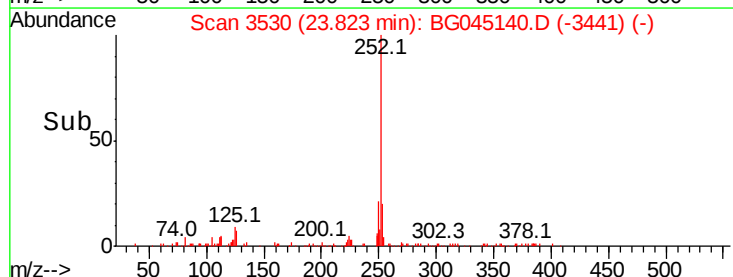
Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.8	28.2
125	11.1	6.2	9.4#

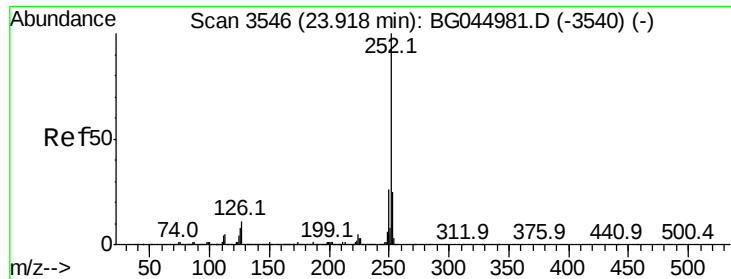


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.036 ng

RT: 23.82 min Scan# 3530

Delta R.T. -0.07 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

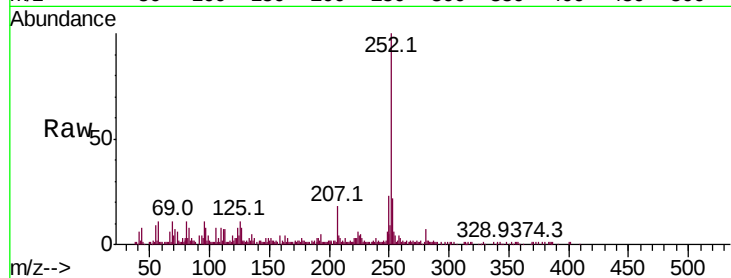
Tot Ion:252 Resp: 123120

Ion Ratio Lower Upper

252 100

253 22.0 19.2 28.8

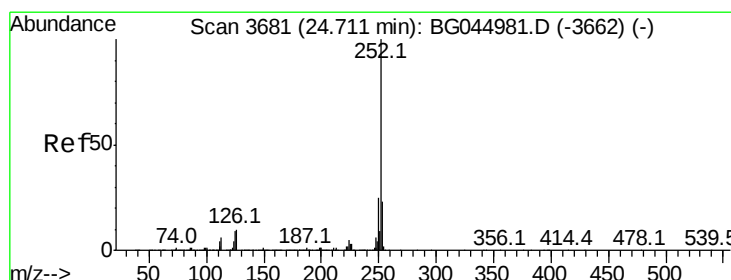
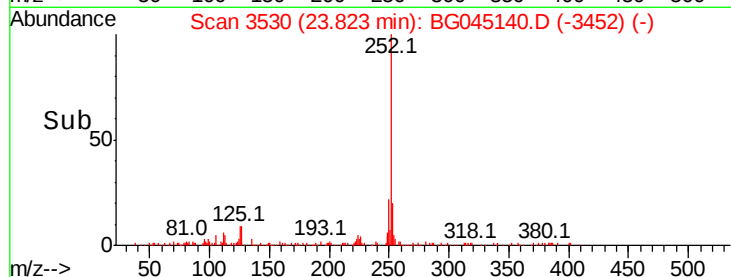
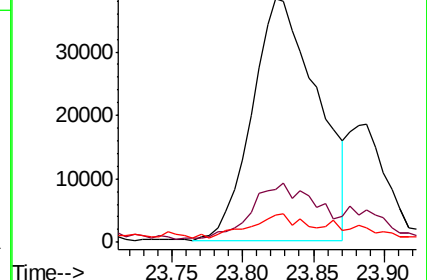
125 11.1 5.9 8.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 3.444 ng

RT: 24.68 min Scan# 3675

Delta R.T. -0.01 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

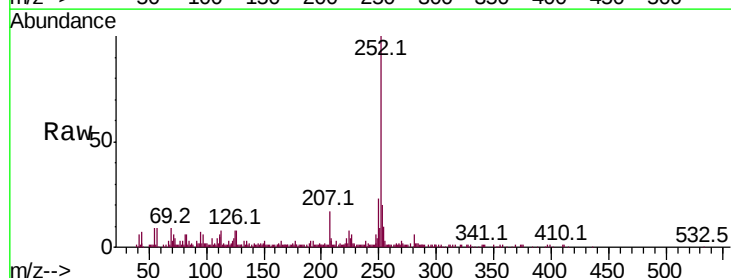
Tgt Ion:252 Resp: 104306

Ion Ratio Lower Upper

252 100

253 20.4 18.3 27.5

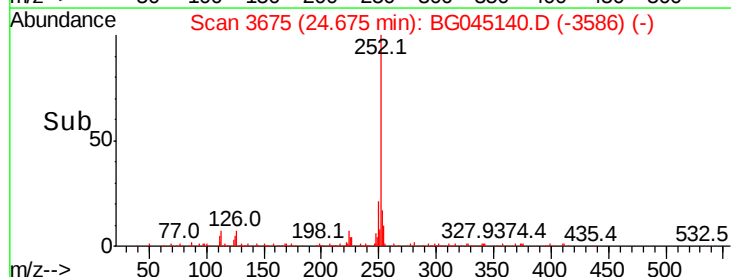
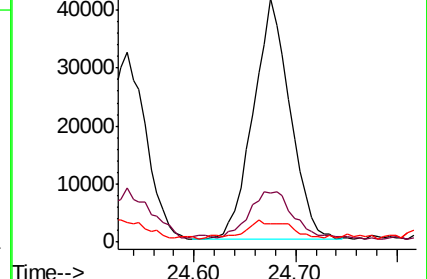
125 7.6 7.0 10.6

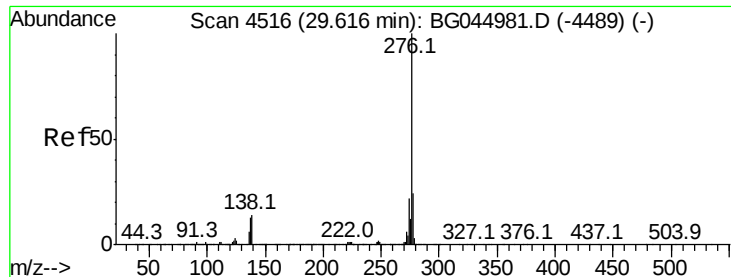


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.860 ng

RT: 29.56 min Scan# 4506

Delta R.T. -0.01 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

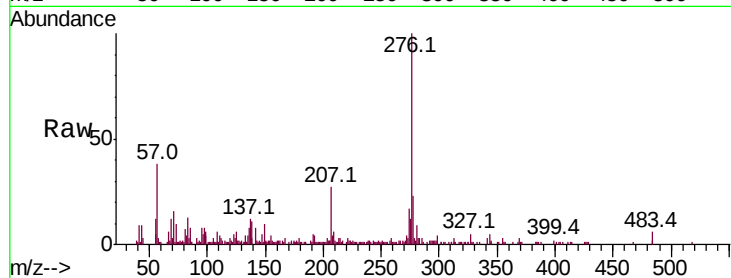
Tot Ion:276 Resp: 118122

Ion Ratio Lower Upper

276 100

277 22.9 19.3 28.9

138 10.9 11.4 17.2#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

