

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061820\
 Data File : BG045796.D
 Acq On : 18 Jun 2020 16:59
 Operator : CG/JU
 Sample : L3029-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WEST-17.5

Quant Time: Jun 19 05:43:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

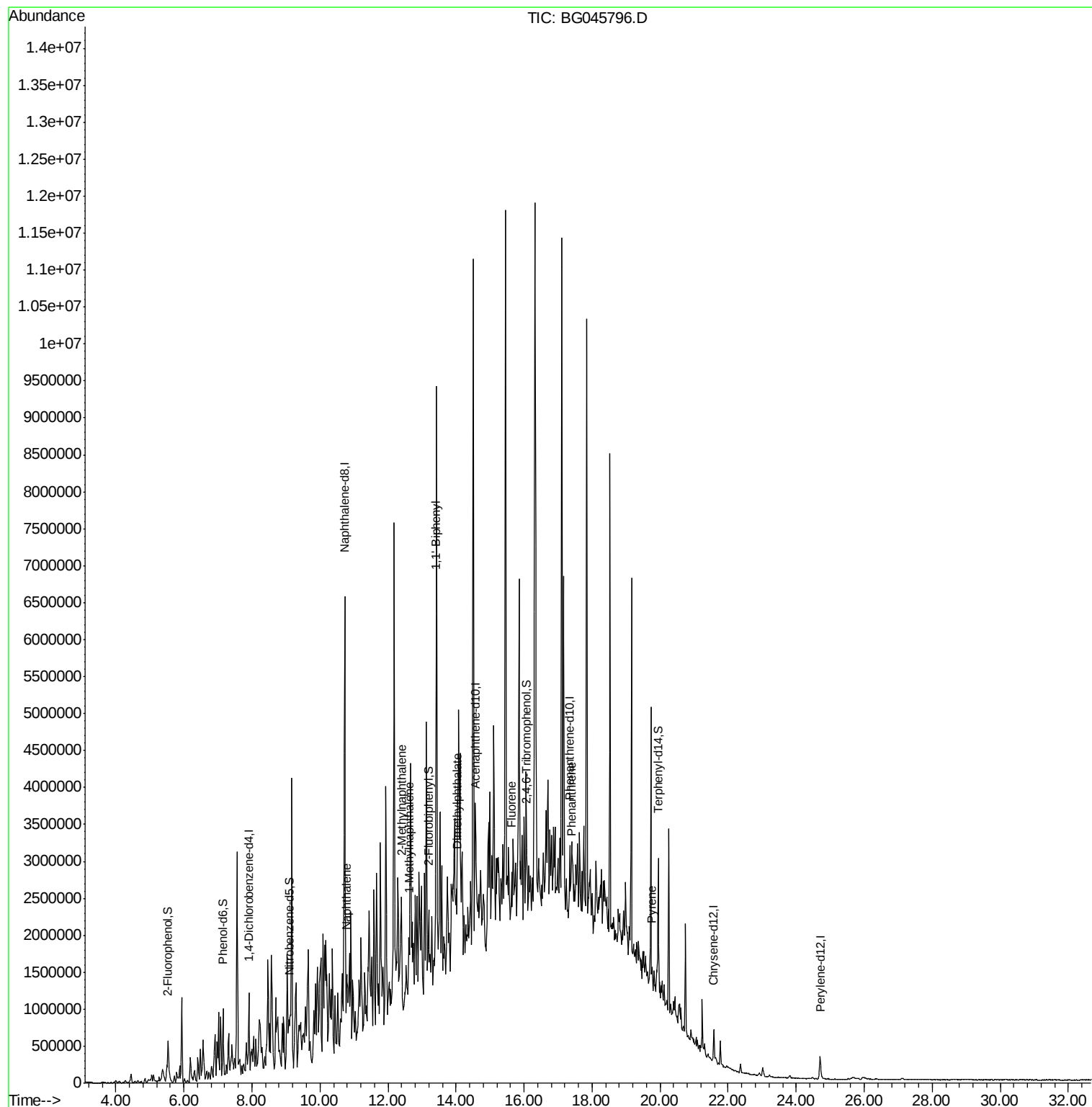
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	57351	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	209994	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	145550	20.00	ng	0.02
64) Phenanthrene-d10	17.33	188	260350	20.00	ng	0.01
76) Chrysene-d12	21.58	240	270115	20.00	ng	0.00
86) Perylene-d12	24.71	264	320810	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	263842	77.71	ng	0.00
7) Phenol-d6	7.15	99	363027	70.30	ng	-0.01
23) Nitrobenzene-d5	9.09	82	302998	65.92	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	157981	71.89	ng	0.01
45) 2-Fluorobiphenyl	13.20	172	561631	56.71	ng	0.01
79) Terphenyl-d14	19.94	244	814148	61.08	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.78	128	165723	14.435	ng	# 75
37) 2-Methylnaphthalene	12.41	142	365021	42.697	ng	95
38) 1-Methylnaphthalene	12.62	142	215575	26.647	ng	# 92
46) 1,1'-Biphenyl	13.41	154	147425	14.148	ng	98
50) Dimethylphthalate	14.03	163	46813	4.106	ng	# 51
58) Fluorene	15.63	166	50409	4.566	ng	# 50
71) Phenanthrene	17.38	178	130538	9.722	ng	# 81
78) Pyrene	19.75	202	152910	8.454	ng	95

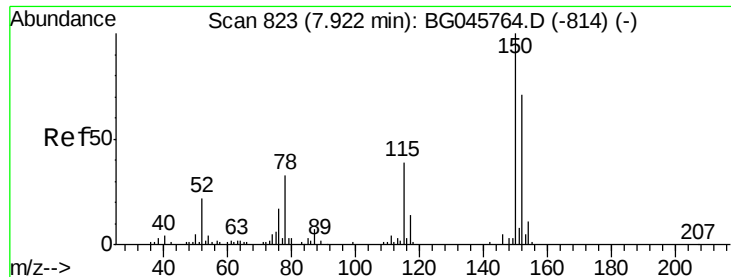
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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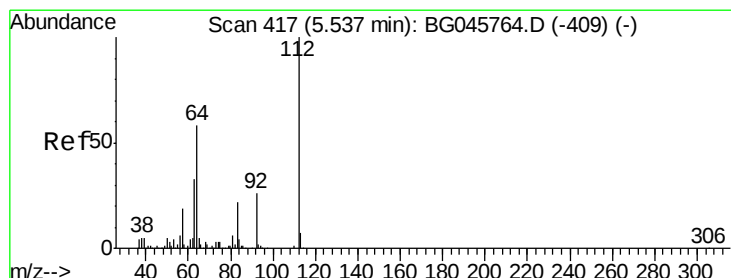
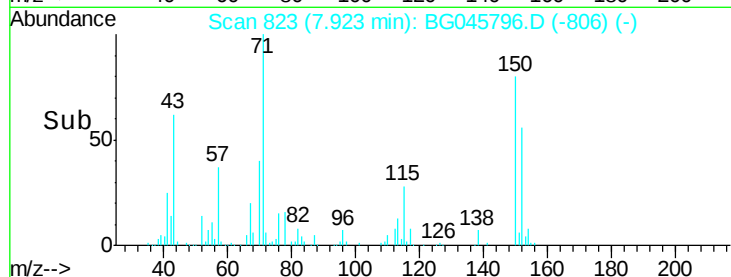
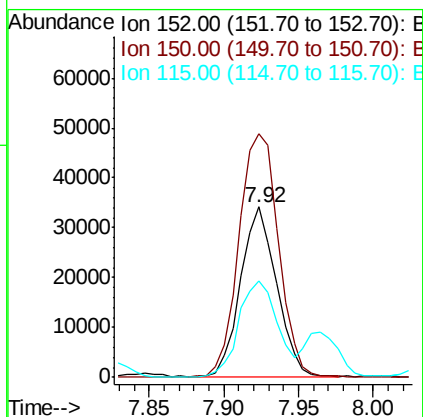
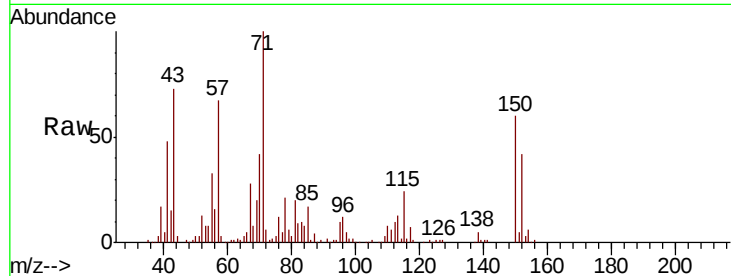


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 823
Delta R.T. 0.00 min
Lab File: BG045796.D
Acq: 18 Jun 2020 16:59

Instrument :
BNA_G
ClientSampleId :
WEST-17.5

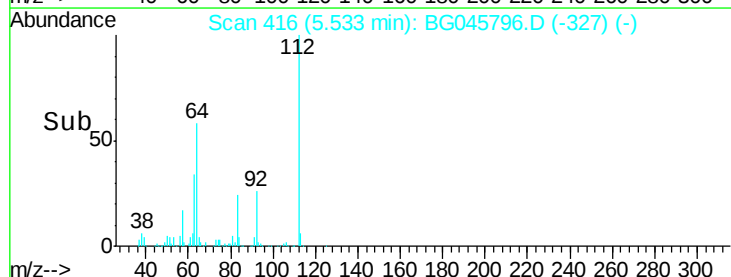
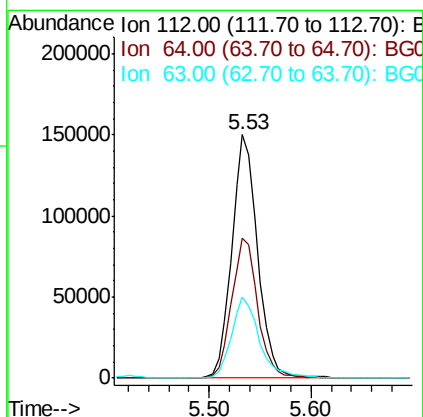
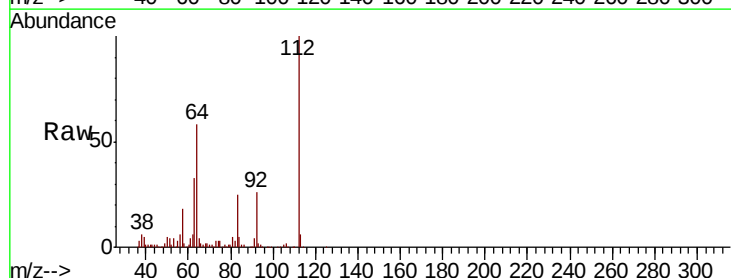
Tot Ion:152 Resp: 57351
Ion Ratio Lower Upper
152 100
150 143.1 113.1 169.7
115 56.7 43.8 65.6

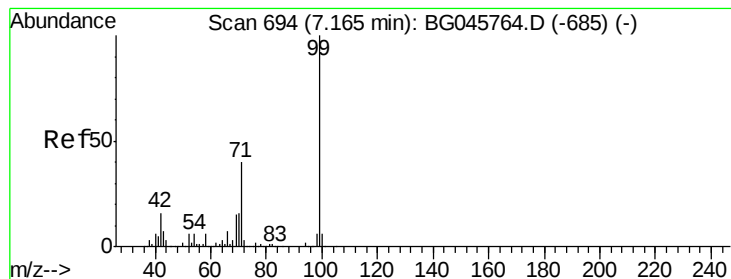


#5

2-Fluorophenol
Concen: 77.713 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG045796.D
Acq: 18 Jun 2020 16:59

Tgt Ion:112 Resp: 263842
Ion Ratio Lower Upper
112 100
64 57.7 46.6 69.8
63 33.4 26.3 39.5





#7

Phenol-d6

Concen: 70.297 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045796.D

Acq: 18 Jun 2020 16:59

Instrument :

BNA_G

ClientSampleId :

WEST-17.5

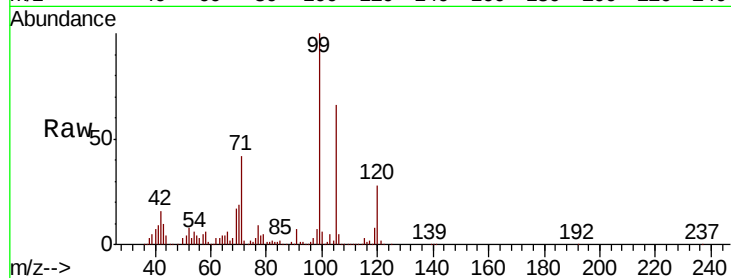
Tot Ion: 99 Resp: 363027

Ion Ratio Lower Upper

99 100

42 15.6 12.4 18.6

71 42.5 32.1 48.1

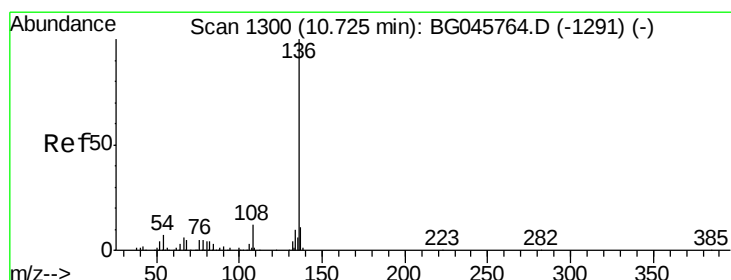
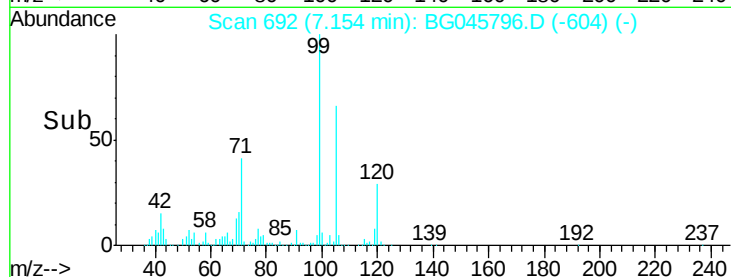
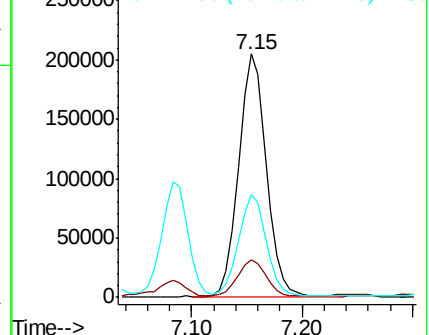


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BG045796.D

Acq: 18 Jun 2020 16:59

Tgt Ion: 136 Resp: 209994

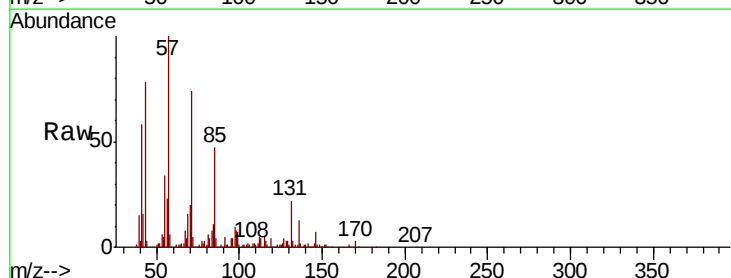
Ion Ratio Lower Upper

136 100

137 14.1 8.7 13.1#

54 35.9 5.8 8.6#

68 29.6 4.0 6.0#



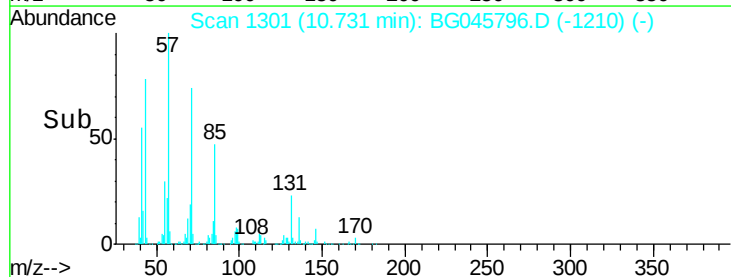
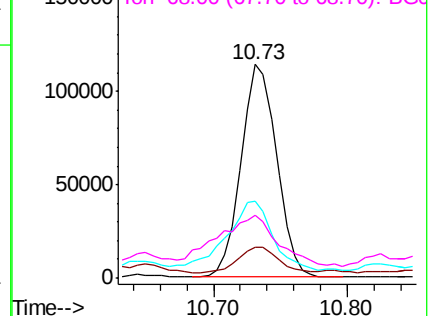
Abundance

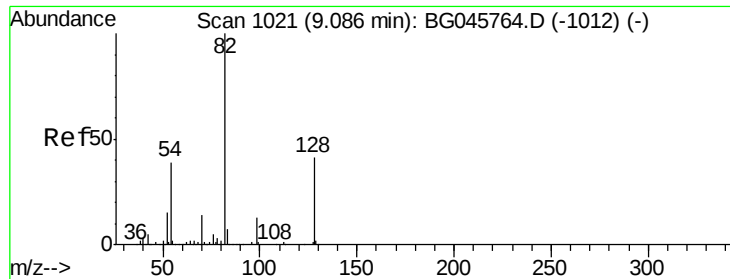
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

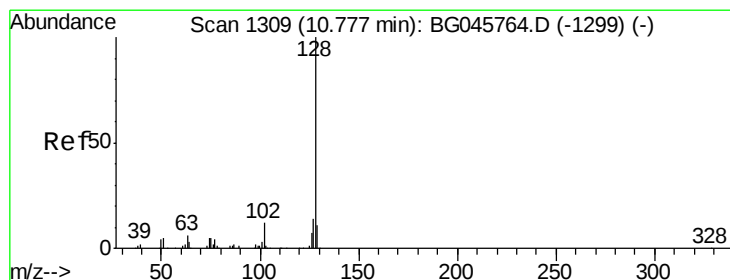
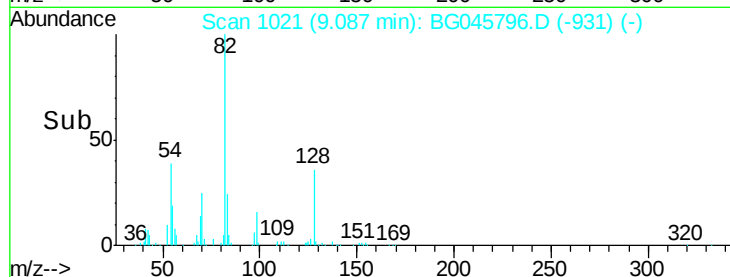
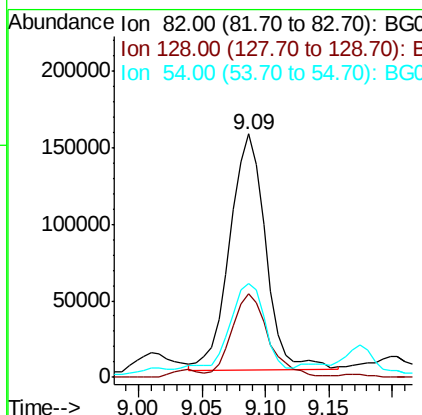
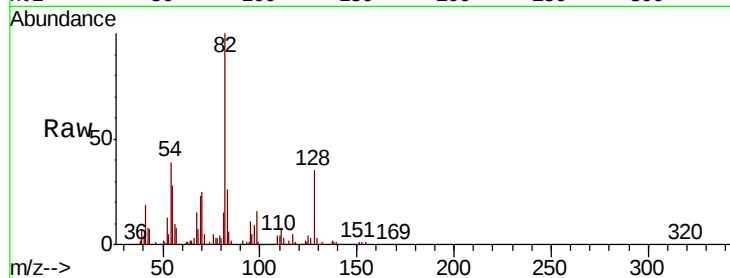




#23
Nitrobenzene-d5
Concen: 65.916 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG045796.D
Acq: 18 Jun 2020 16:59

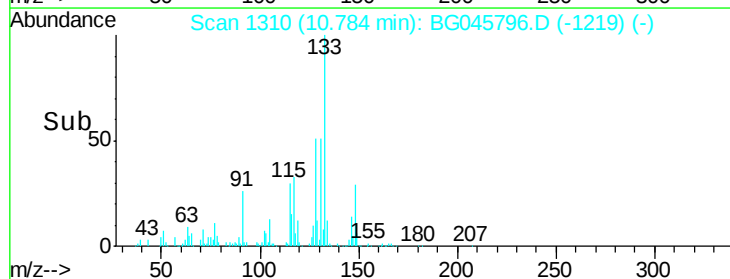
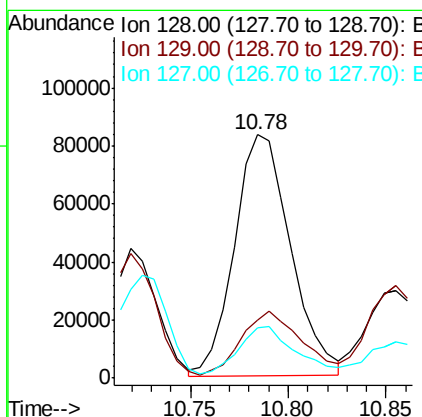
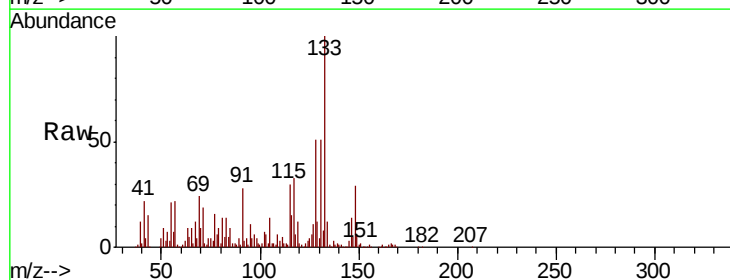
Instrument :
BNA_G
ClientSampleId :
WEST-17.5

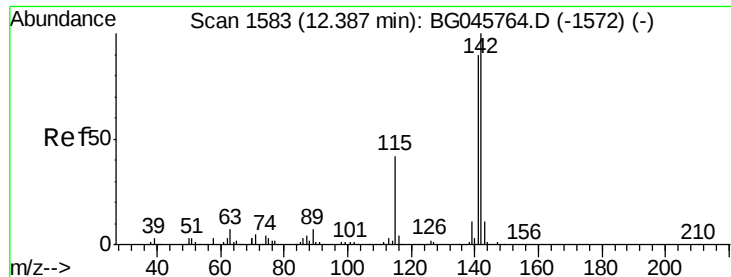
Tot Ion	82	Resp	302998
Ion Ratio	Lower	Upper	
82	100		
128	34.6	32.5	48.7
54	38.8	31.2	46.8



#31
Naphthalene
Concen: 14.435 ng
RT: 10.78 min Scan# 1310
Delta R.T. 0.01 min
Lab File: BG045796.D
Acq: 18 Jun 2020 16:59

Tgt Ion	128	Resp	165723
Ion Ratio	Lower	Upper	
128	100		
129	24.1	8.6	13.0#
127	20.7	10.9	16.3#

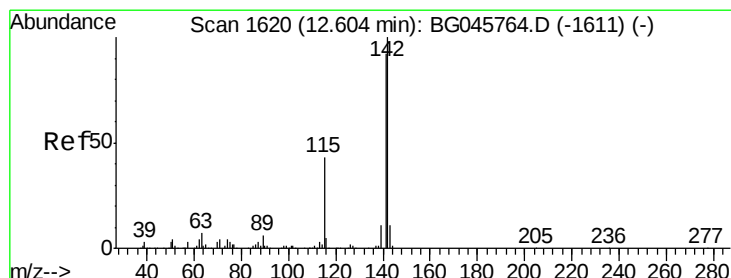
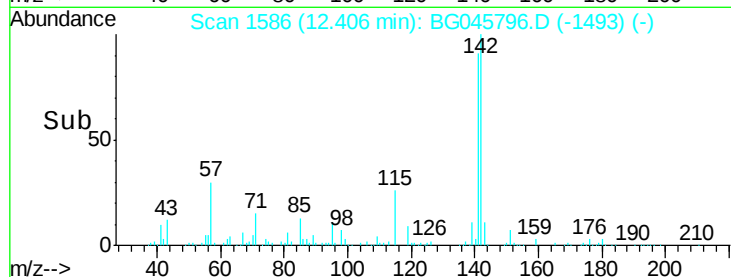
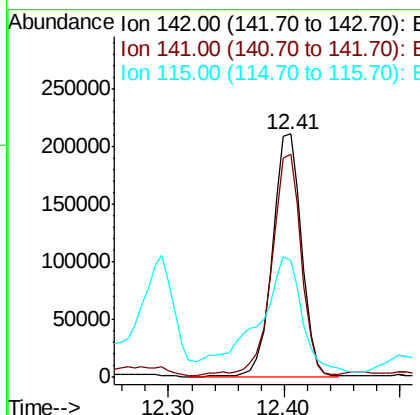
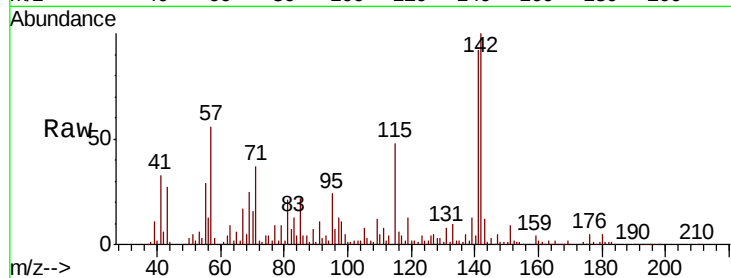




#37
2-Methylnaphthalene
Concen: 42.697 ng
RT: 12.41 min Scan# 1586
Delta R.T. 0.02 min
Lab File: BG045796.D
Acq: 18 Jun 2020 16:59

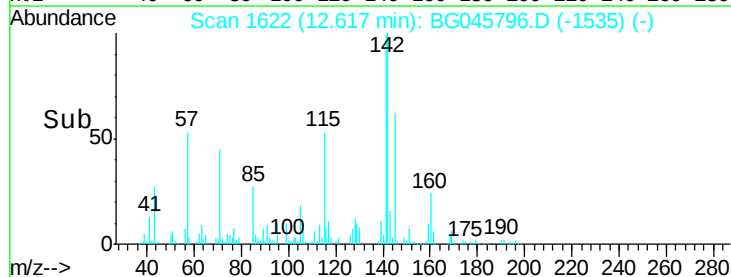
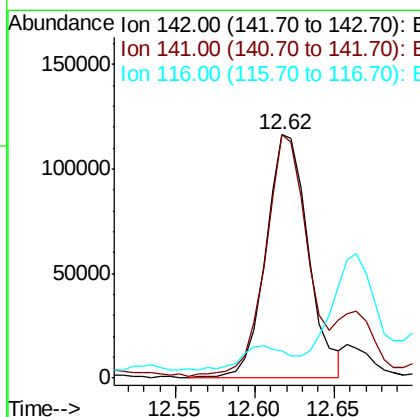
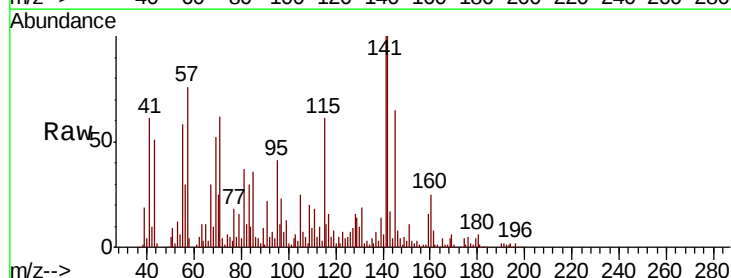
Instrument :
BNA_G
ClientSampleId :
WEST-17.5

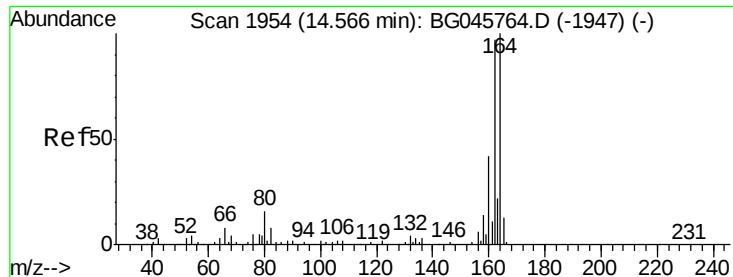
Tot Ion:142 Resp: 365021
Ion Ratio Lower Upper
142 100
141 91.8 71.7 107.5
115 48.1 33.8 50.6



#38
1-Methylnaphthalene
Concen: 26.647 ng
RT: 12.62 min Scan# 1622
Delta R.T. 0.01 min
Lab File: BG045796.D
Acq: 18 Jun 2020 16:59

Tgt Ion:142 Resp: 215575
Ion Ratio Lower Upper
142 100
141 99.9 73.8 110.8
116 11.1 3.8 5.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1957

Delta R.T. 0.02 min

Lab File: BG045796.D

Acq: 18 Jun 2020 16:59

Instrument :

BNA_G

ClientSampleId :

WEST-17.5

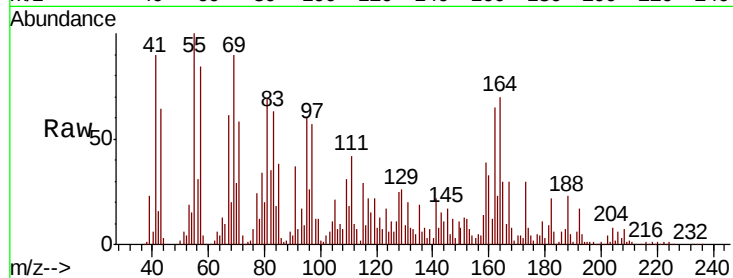
Tot Ion:164 Resp: 145550

Ion Ratio Lower Upper

164 100

162 93.2 77.4 116.0

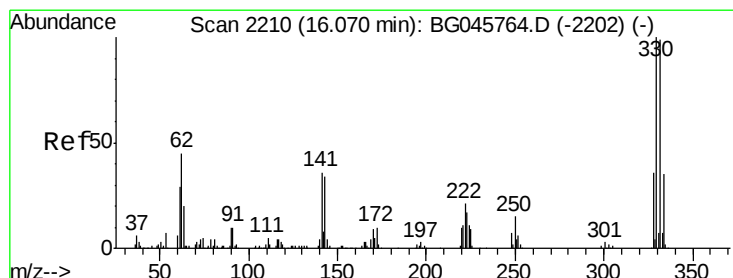
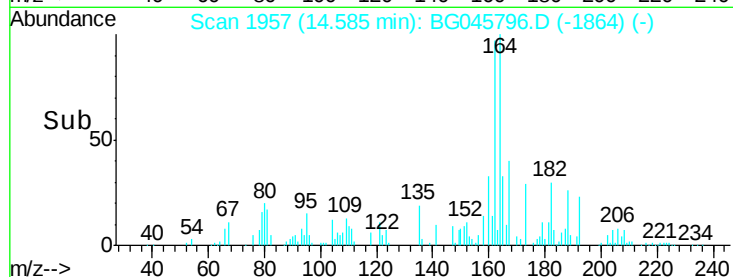
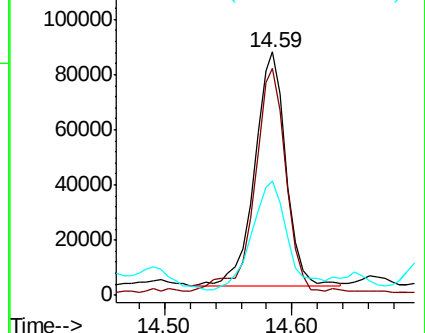
160 46.7 33.3 49.9



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: 71.894 ng

RT: 16.08 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BG045796.D

Acq: 18 Jun 2020 16:59

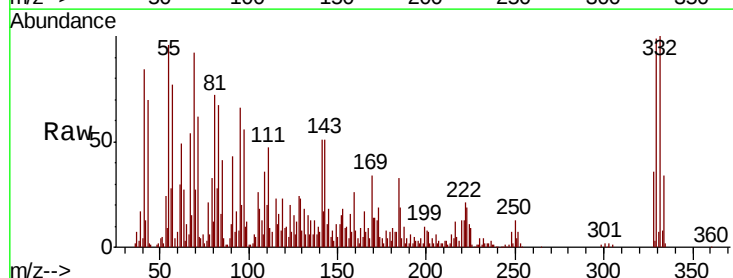
Tgt Ion:330 Resp: 157981

Ion Ratio Lower Upper

330 100

332 97.5 78.6 117.8

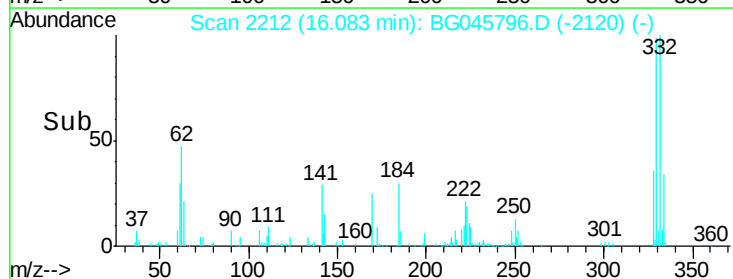
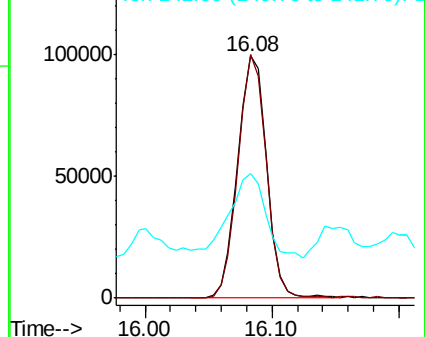
141 44.2 28.2 42.4#

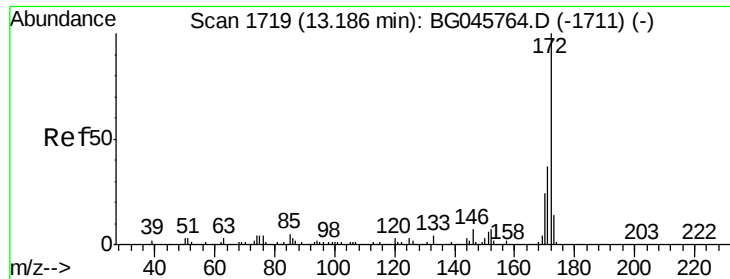


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

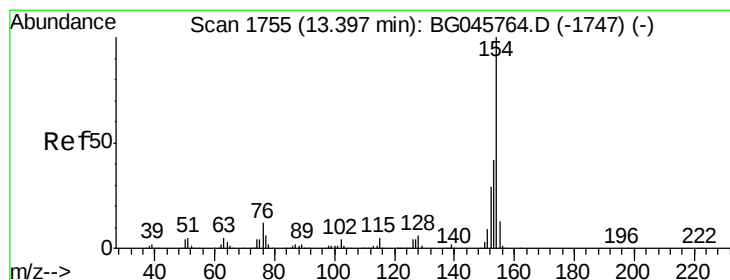
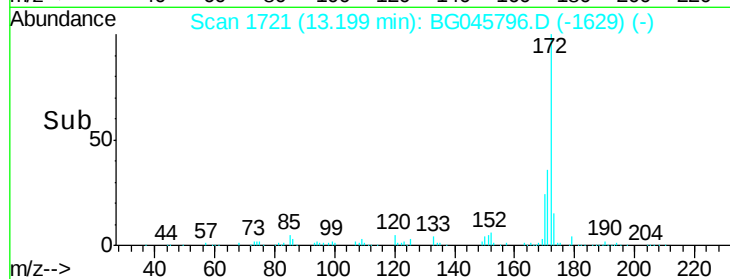
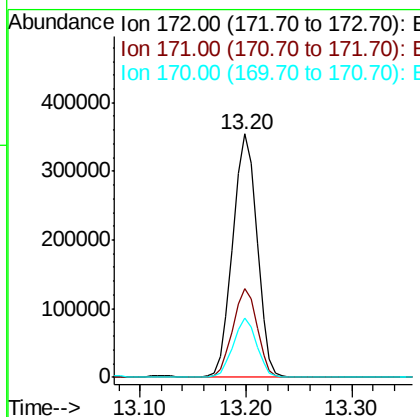
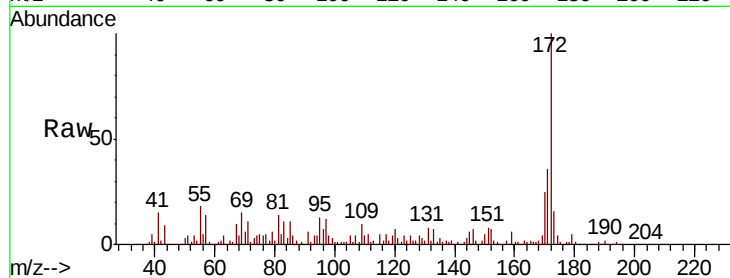




#45
 2-Fluorobiphenyl
 Concen: 56.706 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. 0.01 min
 Lab File: BG045796.D
 Acq: 18 Jun 2020 16:59

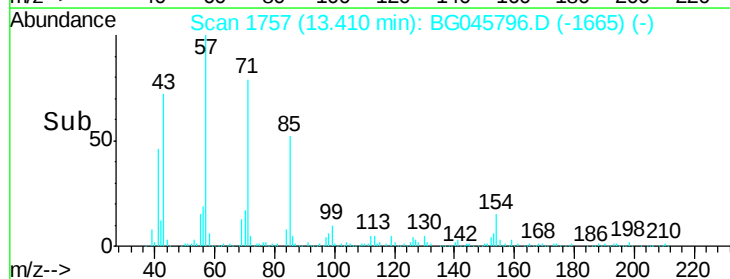
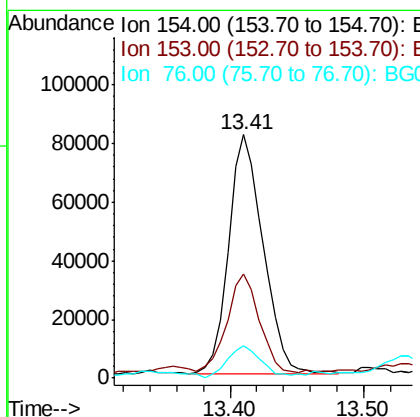
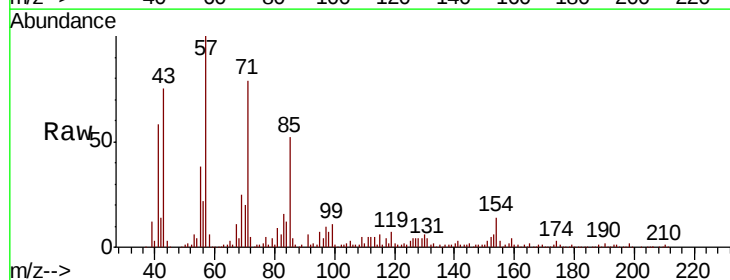
Instrument :
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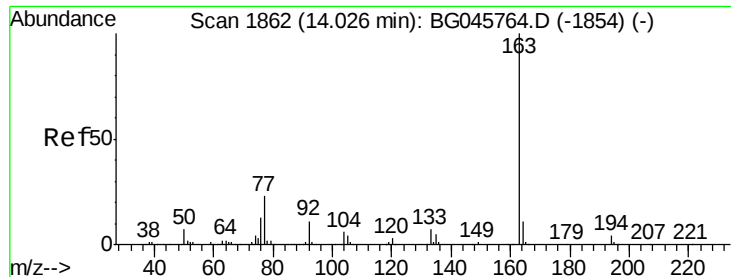
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.9	44.9
170	24.5	19.3	28.9



#46
 1,1'-Biphenyl
 Concen: 14.148 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. 0.01 min
 Lab File: BG045796.D
 Acq: 18 Jun 2020 16:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.5	21.7	61.7
76	13.1	0.0	32.0





#50

Dimethylphthalate

Concen: 4.106 ng

RT: 14.03 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BG045796.D

Acq: 18 Jun 2020 16:59

Instrument :

BNA_G

ClientSampleId :

WEST-17.5

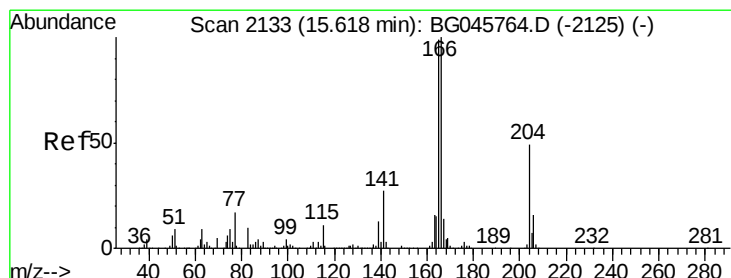
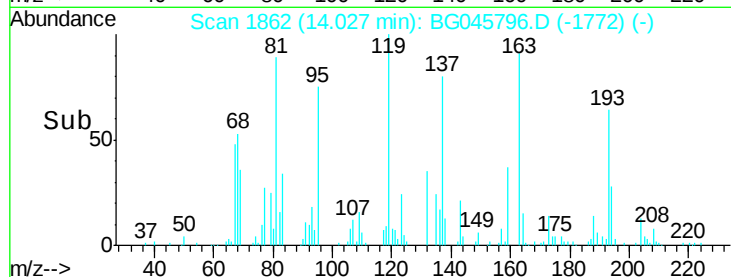
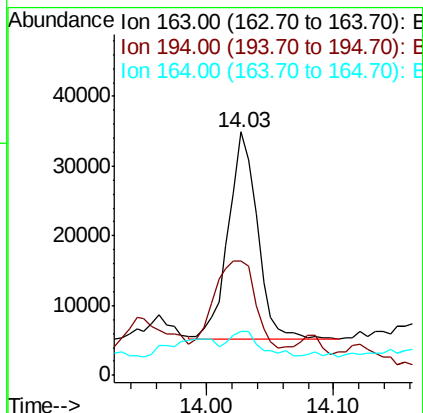
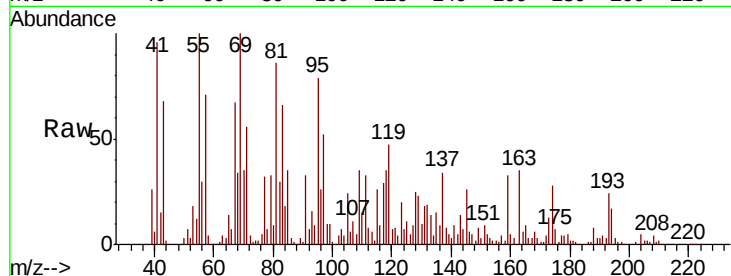
Tot Ion:163 Resp: 46813

Ion Ratio Lower Upper

163 100

194 47.1 3.4 5.0#

164 18.3 8.9 13.3#



#58

Fluorene

Concen: 4.566 ng

RT: 15.63 min Scan# 2135

Delta R.T. 0.01 min

Lab File: BG045796.D

Acq: 18 Jun 2020 16:59

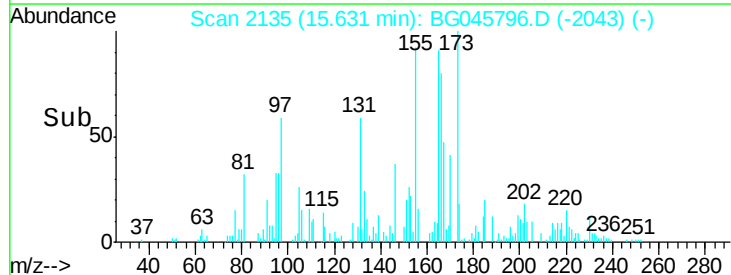
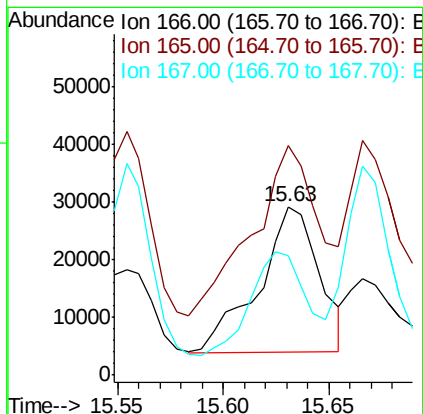
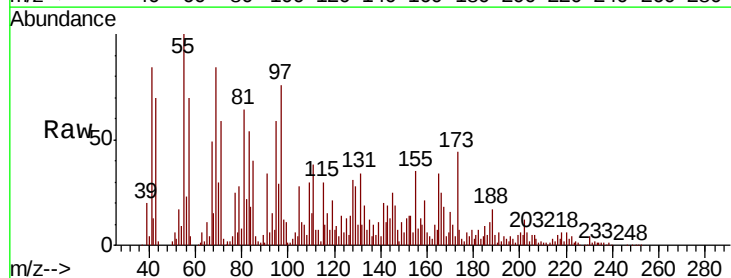
Tgt Ion:166 Resp: 50409

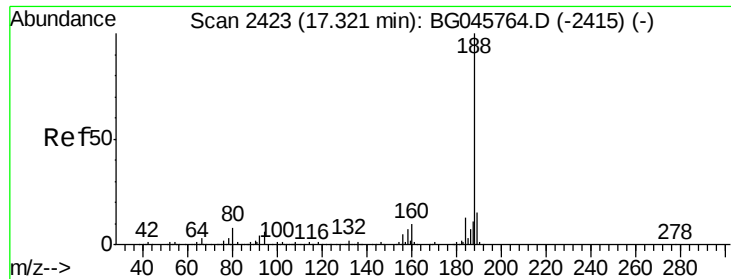
Ion Ratio Lower Upper

166 100

165 135.9 79.1 118.7#

167 70.6 11.5 17.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.33 min Scan# 2425

Delta R.T. 0.01 min

Lab File: BG045796.D

Acq: 18 Jun 2020 16:59

Instrument :

BNA_G

ClientSampleId :

WEST-17.5

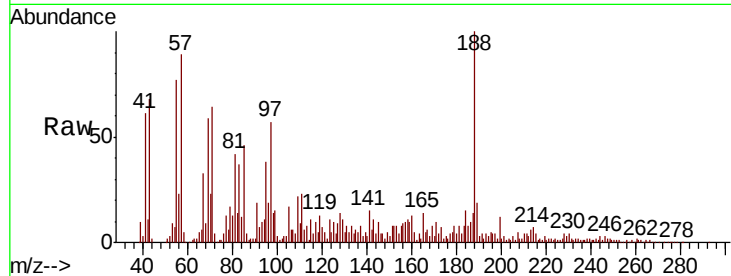
Tot Ion:188 Resp: 260350

Ion Ratio Lower Upper

188 100

94 11.2 5.1 7.7#

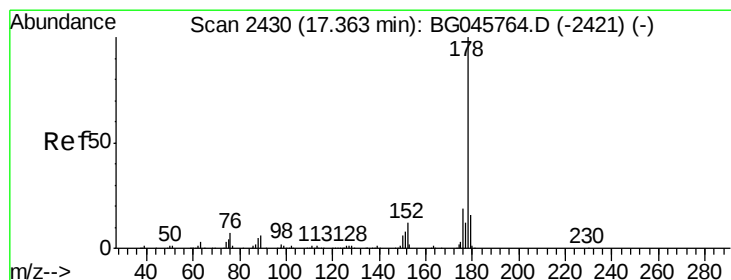
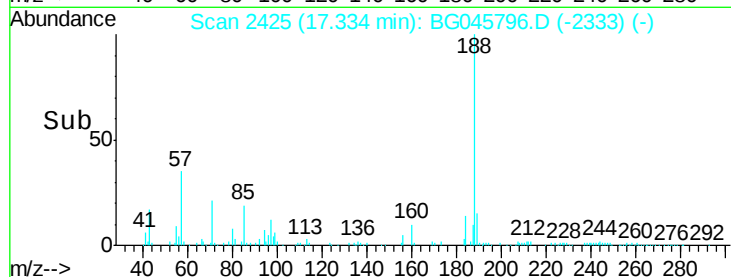
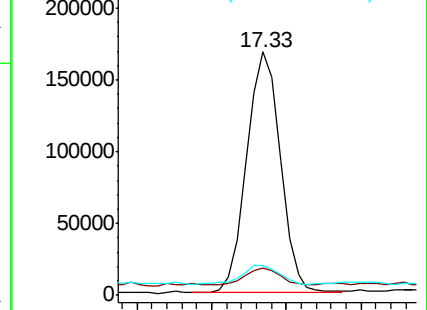
80 12.5 6.2 9.4#



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



#71

Phenanthrene

Concen: 9.722 ng

RT: 17.38 min Scan# 2432

Delta R.T. 0.01 min

Lab File: BG045796.D

Acq: 18 Jun 2020 16:59

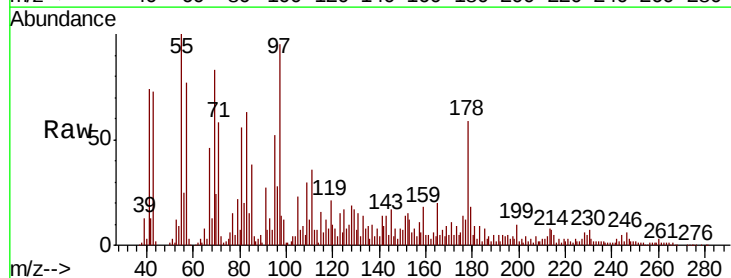
Tgt Ion:178 Resp: 130538

Ion Ratio Lower Upper

178 100

176 23.0 15.5 23.3

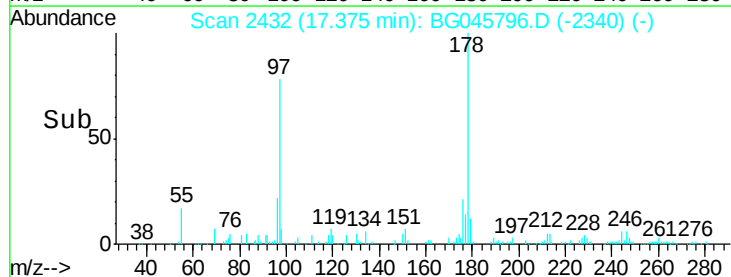
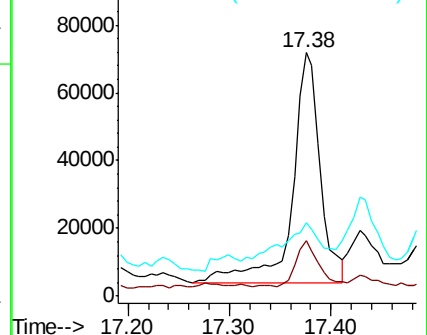
179 30.1 13.2 19.8#

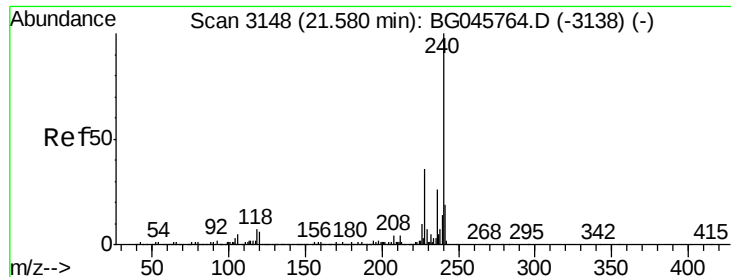


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

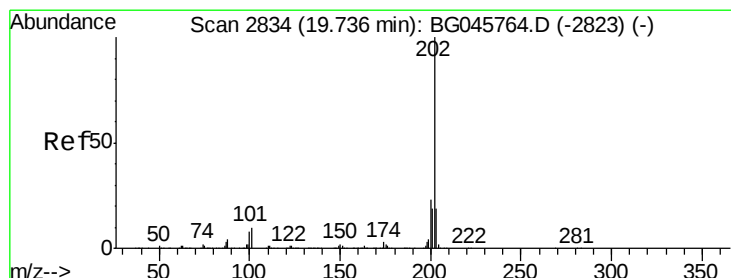
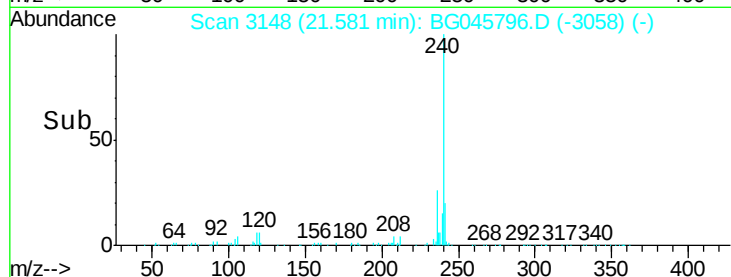
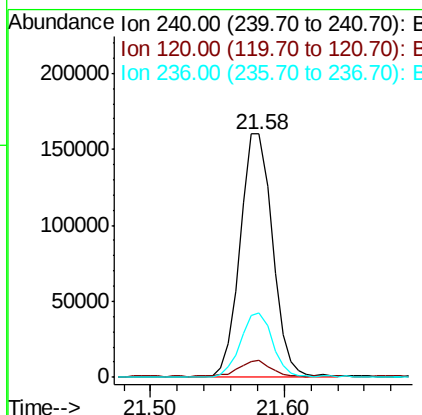
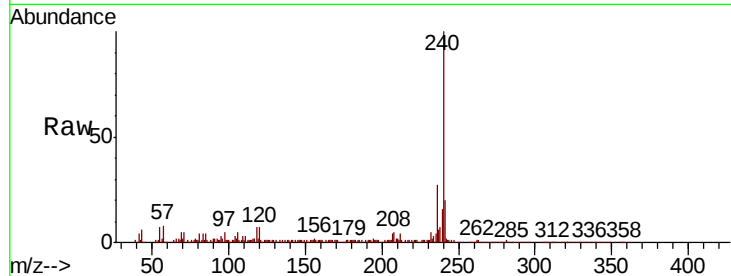




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BG045796.D
Acq: 18 Jun 2020 16:59

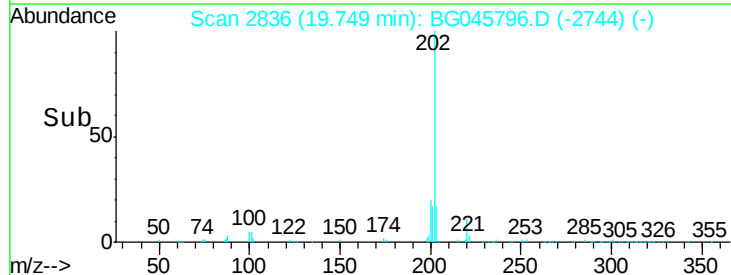
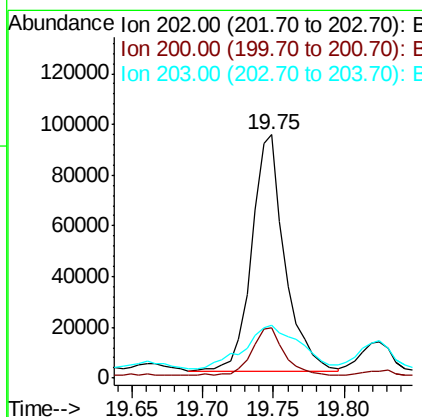
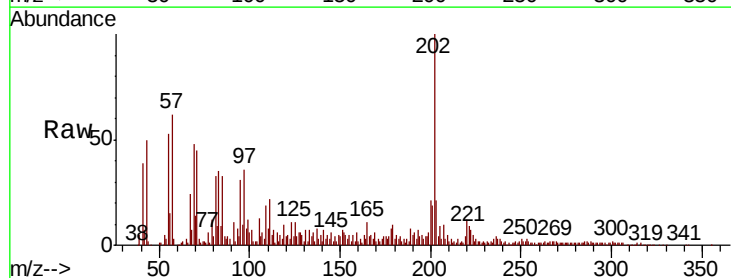
Instrument :
BNA_G
ClientSampleId :
WEST-17.5

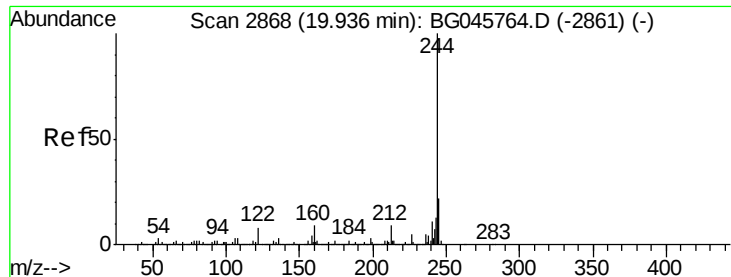
Tot Ion	Ratio	Lower	Upper
240	100		
120	7.1	5.0	7.4
236	26.6	20.6	30.8



#78
Pyrene
Concen: 8.454 ng
RT: 19.75 min Scan# 2836
Delta R.T. 0.01 min
Lab File: BG045796.D
Acq: 18 Jun 2020 16:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.2	27.2
203	21.5	14.8	22.2





#79

Terphenyl-d14

Concen: 61.083 ng

RT: 19.94 min Scan# 2869

Delta R.T. 0.01 min

Lab File: BG045796.D

Acq: 18 Jun 2020 16:59

Instrument :

BNA_G

ClientSampleId :

WEST-17.5

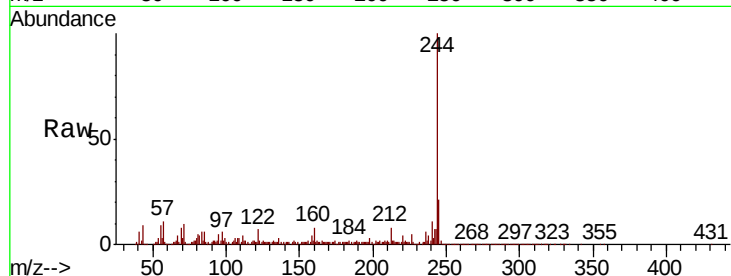
Tot Ion:244 Resp: 814148

Ion Ratio Lower Upper

244 100

212 8.2 7.2 10.8

122 7.3 6.4 9.6



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

800000

600000

400000

200000

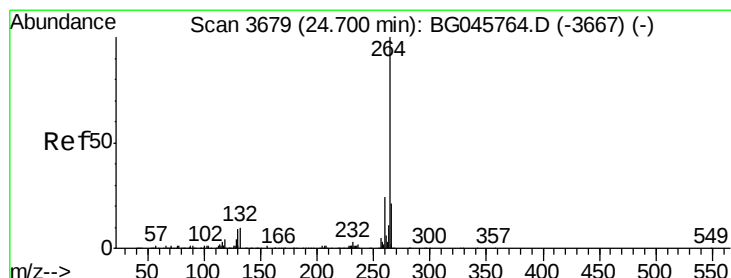
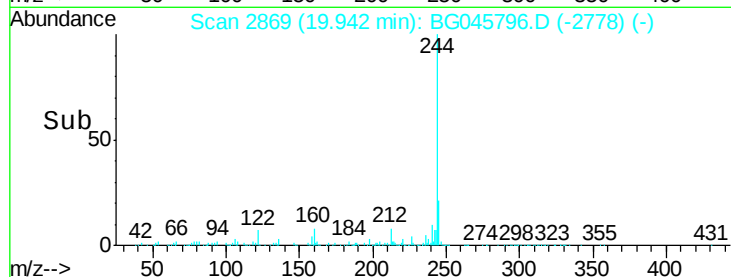
0

19.94

19.90

20.00

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.71 min Scan# 3680

Delta R.T. 0.01 min

Lab File: BG045796.D

Acq: 18 Jun 2020 16:59

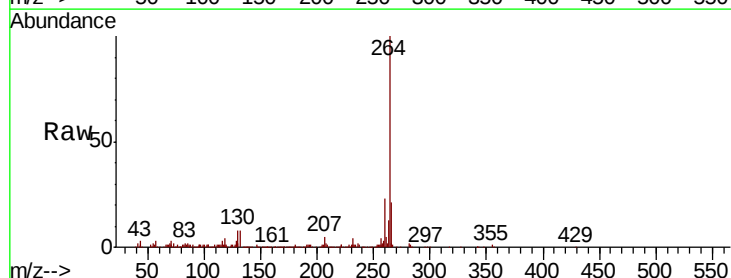
Tgt Ion:264 Resp: 320810

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 21.3 17.4 26.0



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

150000

100000

50000

0

24.71

24.60

24.80

Time-->

