

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
 Data File : BG054842.D
 Acq On : 2 Sep 2022 16:10
 Operator : CG/JU
 Sample : N4464-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Quant Time: Sep 03 00:27:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

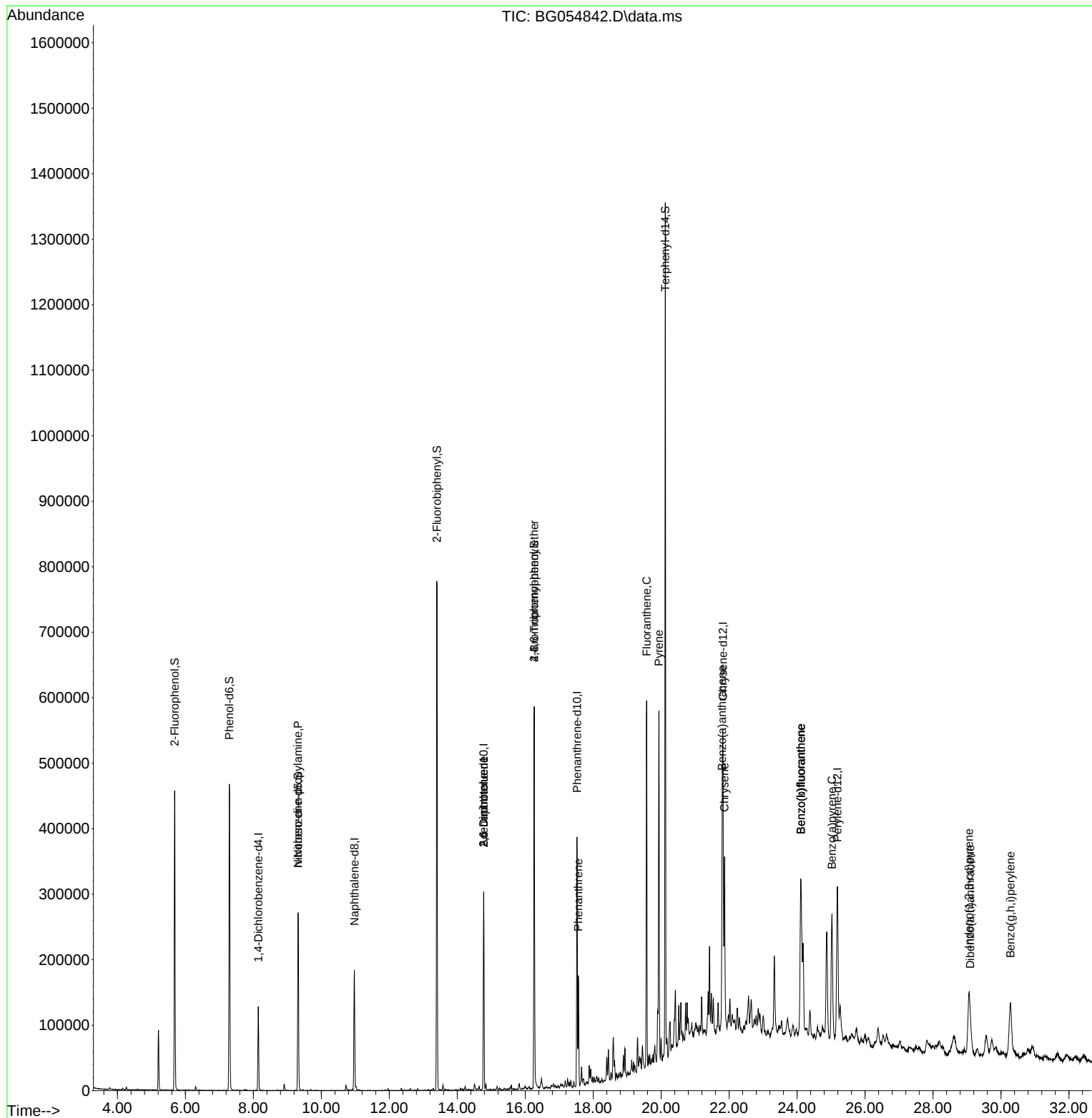
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	39074	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	168000	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	115044	20.000	ng	0.00
64) Phenanthrene-d10	17.524	188	247388	20.000	ng	0.00
76) Chrysene-d12	21.819	240	230473	20.000	ng	0.00
86) Perylene-d12	25.186	264	242324	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	217742	97.038	ng	0.00
7) Phenol-d6	7.295	99	307954	100.354	ng	0.00
23) Nitrobenzene-d5	9.316	82	181740	56.790	ng	-0.01
42) 2,4,6-Tribromophenol	16.267	330	133499	92.866	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	442464	57.807	ng	0.00
79) Terphenyl-d14	20.121	244	660454	56.780	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.316	70	23174	10.982	ng	# 75
51) 2,6-Dinitrotoluene	14.780	165	14888	8.212	ng	# 20
57) 2,4-Dinitrotoluene	14.780	165	14888	5.937	ng	# 18
67) 4-Bromophenyl-phenylether	16.267	248	8274	3.046	ng	# 1
71) Phenanthrene	17.565	178	109563	8.314	ng	99
75) Fluoranthene	19.575	202	359410	22.419	ng	98
78) Pyrene	19.933	202	355829	22.141	ng	99
81) Benzo(a)anthracene	21.795	228	187521	12.000	ng	98
83) Chrysene	21.866	228	204811	13.708	ng	99
87) Indeno(1,2,3-cd)pyrene	29.058	276	182786	9.936	ng	# 96
88) Benzo(b)fluoranthene	24.110	252	326825	21.500	ng	100
89) Benzo(k)fluoranthene	24.110	252	326825	21.363	ng	100
90) Benzo(a)pyrene	25.027	252	223450	17.205	ng	99
91) Dibenzo(a,h)anthracene	29.099	278	46611	3.110	ng	97
92) Benzo(g,h,i)perylene	30.280	276	182652	12.063	ng	98

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

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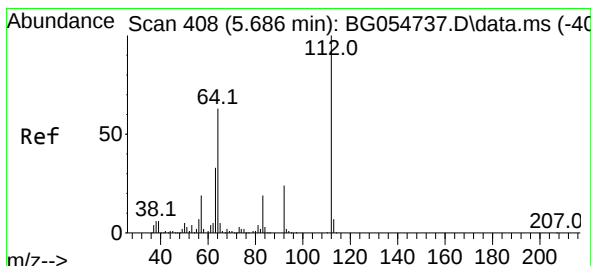
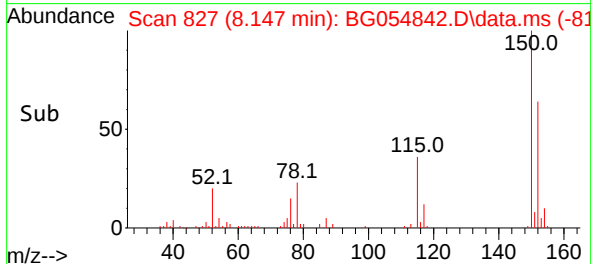
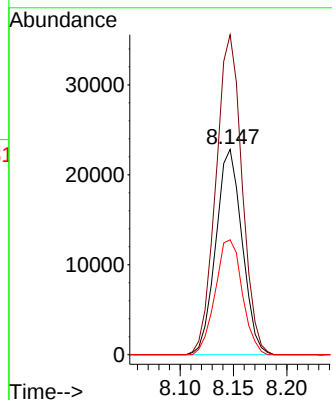
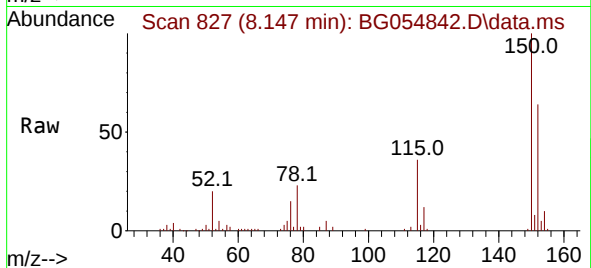




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

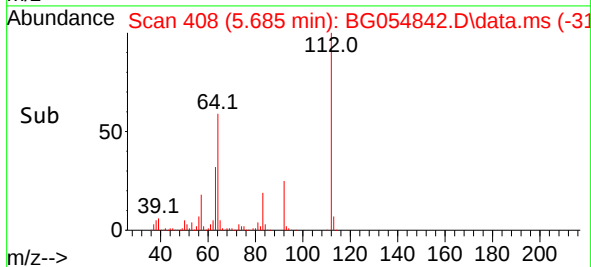
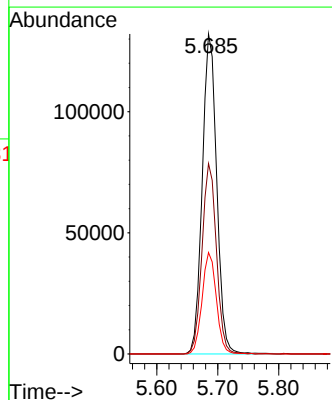
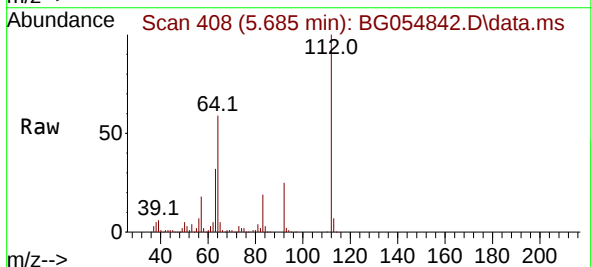
Instrument :
BNA_G
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WC-1

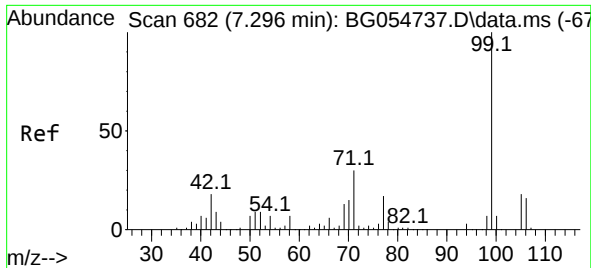
Tgt Ion:152 Resp: 39074
Ion Ratio Lower Upper
152 100
150 155.9 125.2 187.8
115 56.0 47.9 71.9



#5
2-Fluorophenol
Concen: 97.038 ng
RT: 5.685 min Scan# 408
Delta R.T. -0.001 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

Tgt Ion:112 Resp: 217742
Ion Ratio Lower Upper
112 100
64 59.5 49.3 73.9
63 31.7 26.3 39.5

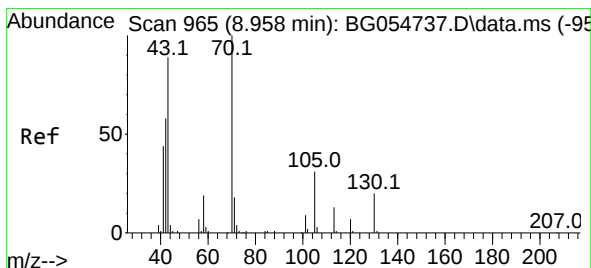
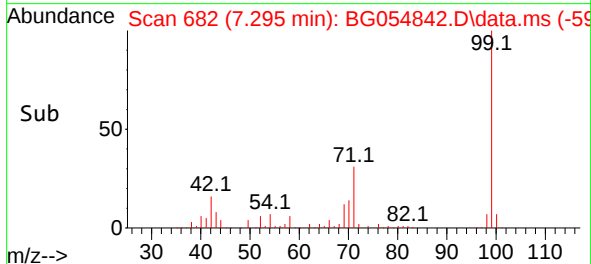
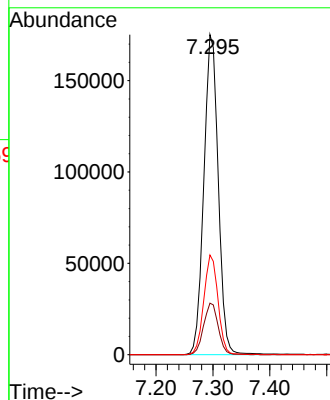
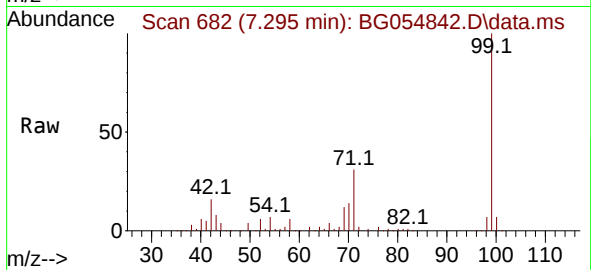




#7
Phenol-d6
Concen: 100.354 ng
RT: 7.295 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

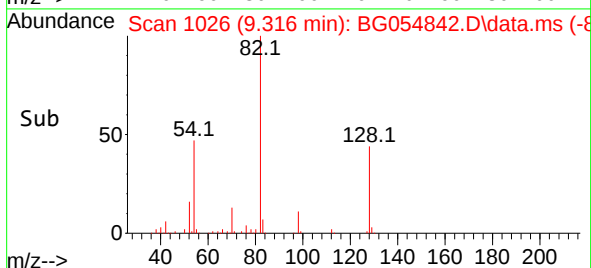
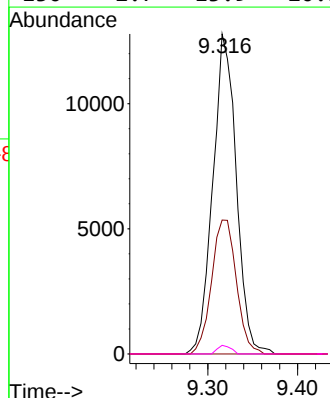
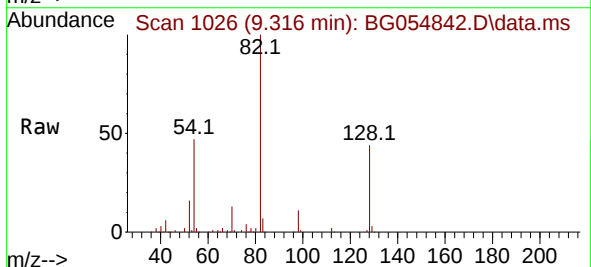
Instrument :
BNA_G
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 307954
Ion Ratio Lower Upper
99 100
42 16.1 14.6 22.0
71 31.1 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.982 ng
RT: 9.316 min Scan# 1026
Delta R.T. 0.358 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

Tgt Ion: 70 Resp: 23174
Ion Ratio Lower Upper
70 100
42 41.8 46.6 69.8#
101 0.0 7.7 11.5#
130 2.7 13.9 20.9#

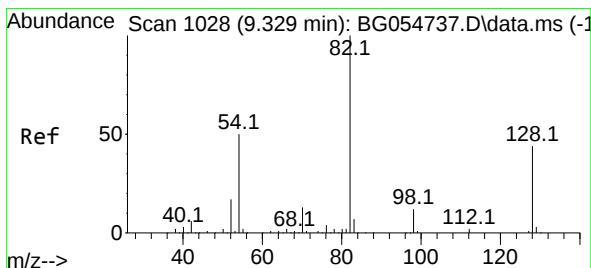
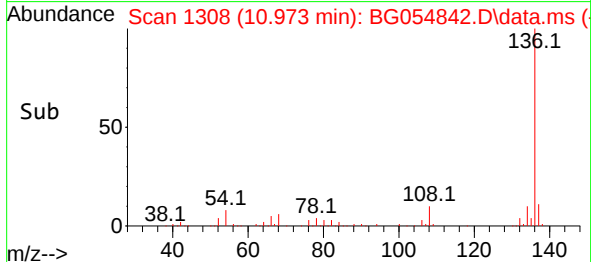
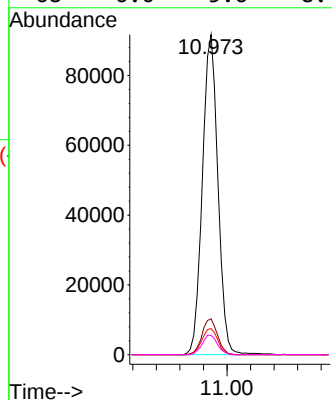
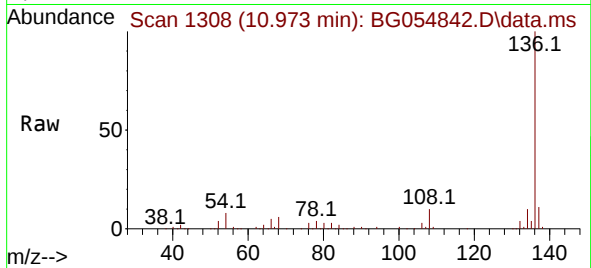




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

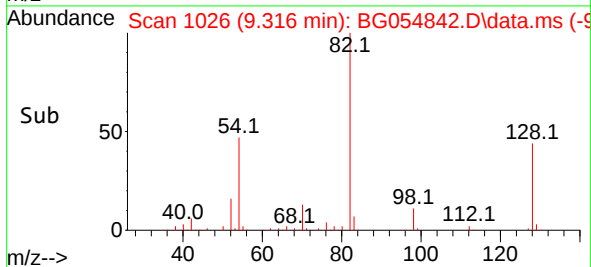
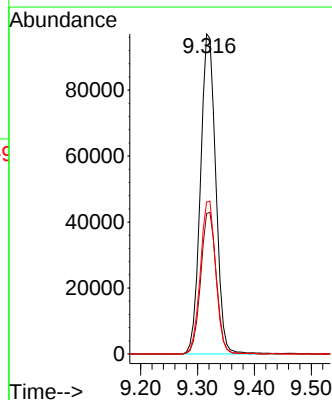
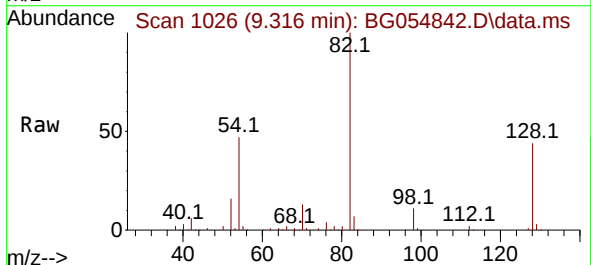
Instrument :
BNA_G
ClientSampleId :
WC-1

Tgt Ion:	136	Resp:	168000
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	8.1	7.7	11.5
68	6.0	5.6	8.4



#23
Nitrobenzene-d5
Concen: 56.790 ng
RT: 9.316 min Scan# 1026
Delta R.T. -0.013 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

Tgt Ion:	82	Resp:	181740
Ion	Ratio	Lower	Upper
82	100		
128	43.9	32.2	48.2
54	47.5	41.4	62.0

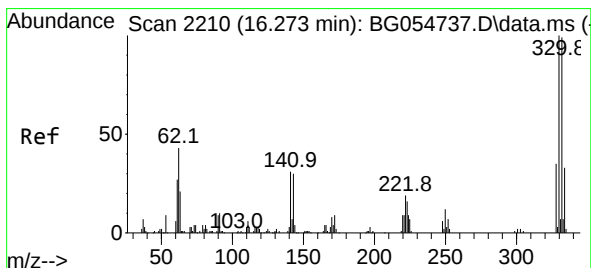
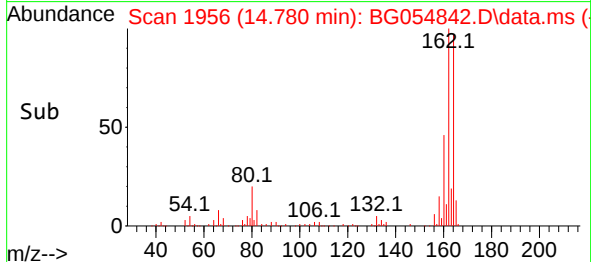
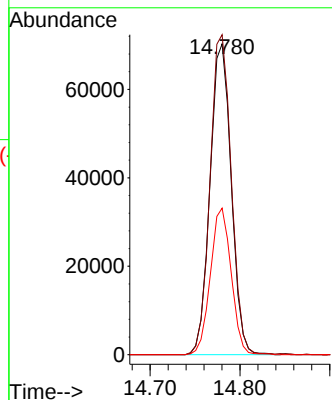
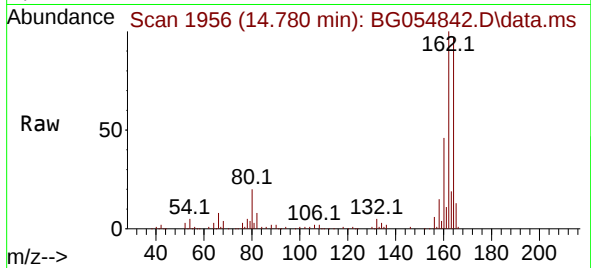




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.780 min Scan# 1957
Delta R.T. -0.007 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

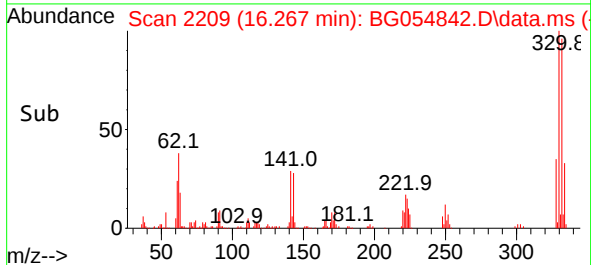
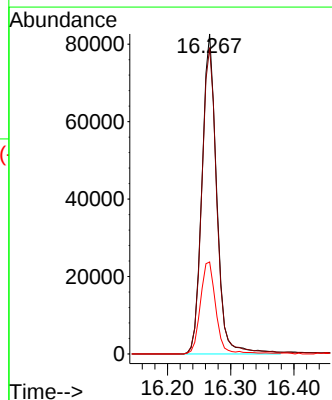
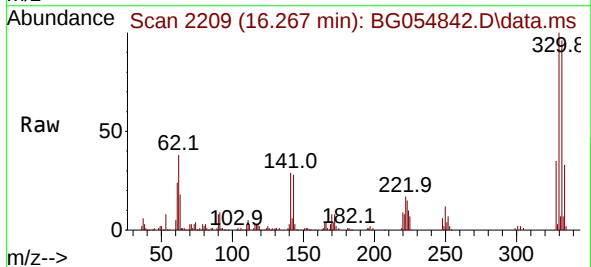
Instrument :
BNA_G
ClientSampleId :
WC-1

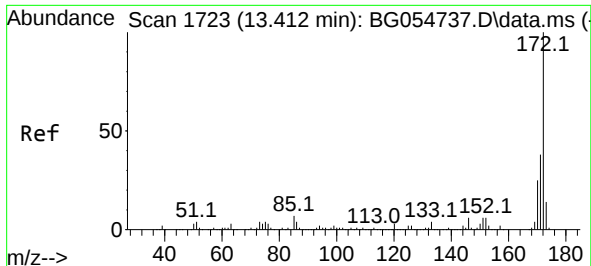
Tgt Ion:164 Resp: 115044
Ion Ratio Lower Upper
164 100
162 102.9 83.0 124.4
160 47.1 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 92.866 ng
RT: 16.267 min Scan# 2209
Delta R.T. -0.007 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

Tgt Ion:330 Resp: 133499
Ion Ratio Lower Upper
330 100
332 97.9 79.8 119.6
141 30.4 26.8 40.2

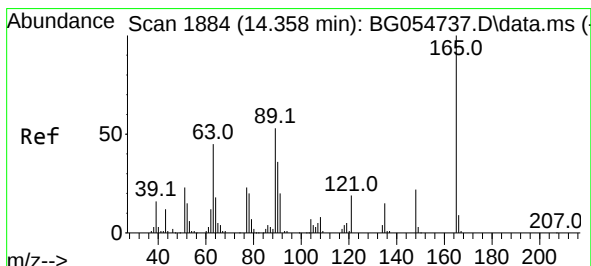
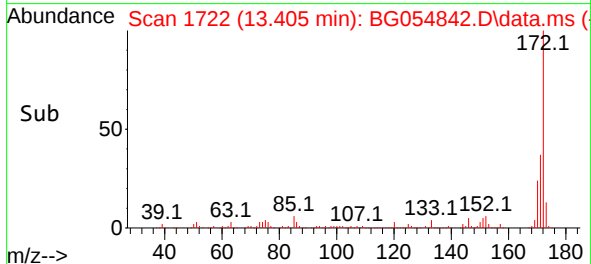
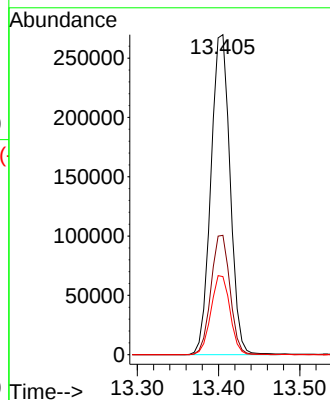
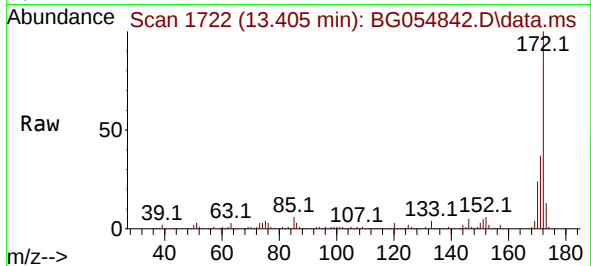




#45
2-Fluorobiphenyl
Concen: 57.807 ng
RT: 13.405 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

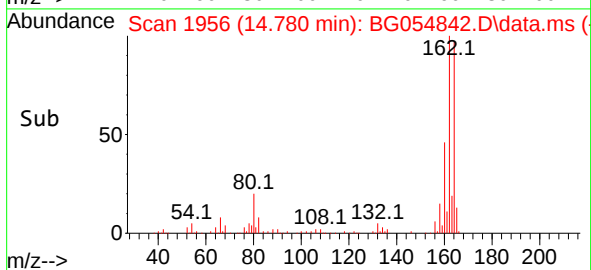
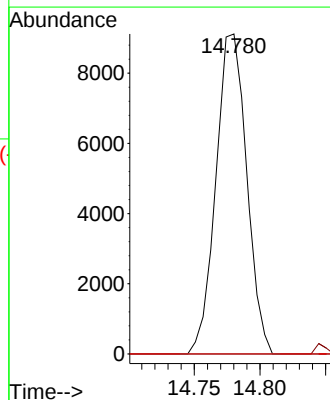
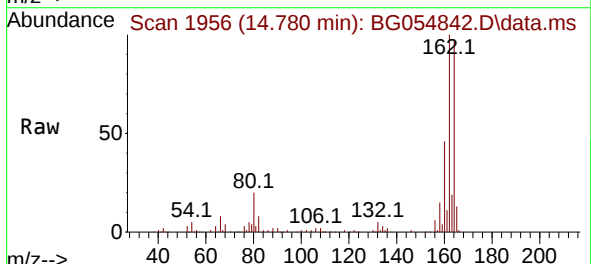
Instrument :
BNA_G
ClientSampleId :
WC-1

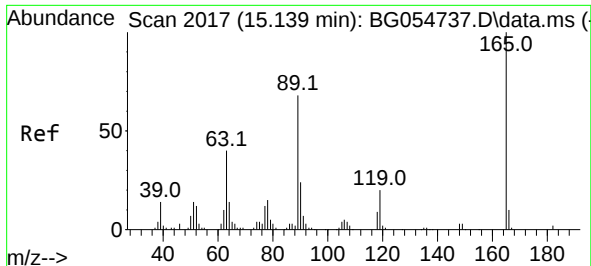
Tgt Ion:172 Resp: 442464
Ion Ratio Lower Upper
172 100
171 37.3 31.2 46.8
170 24.4 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.212 ng
RT: 14.780 min Scan# 1956
Delta R.T. 0.422 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

Tgt Ion:165 Resp: 14888
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 0.0 50.3 75.5#





#57

2,4-Dinitrotoluene

Concen: 5.937 ng

RT: 14.780 min Scan# 1956

Delta R.T. -0.359 min

Lab File: BG054842.D

Acq: 2 Sep 2022 16:10

Instrument :

BNA_G

ClientSampleId :

WC-1

Tgt Ion:165 Resp: 14888

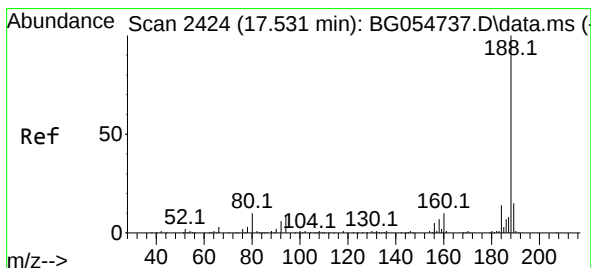
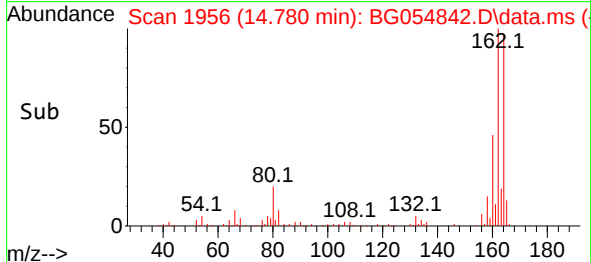
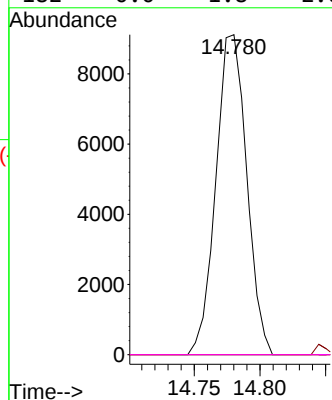
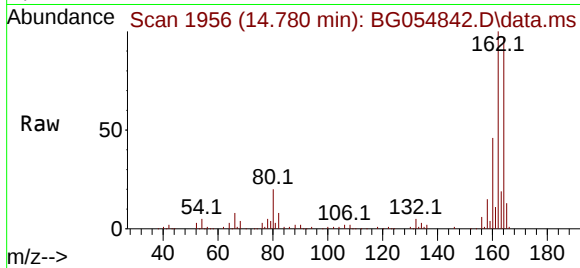
Ion Ratio Lower Upper

165 100

63 0.0 36.8 55.2#

89 0.0 64.3 96.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.524 min Scan# 2423

Delta R.T. -0.007 min

Lab File: BG054842.D

Acq: 2 Sep 2022 16:10

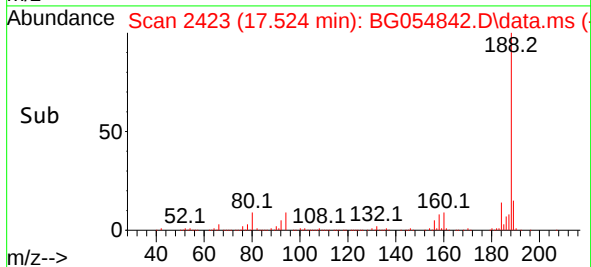
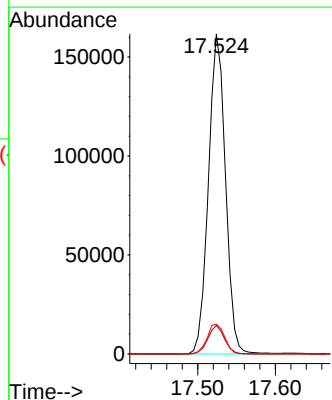
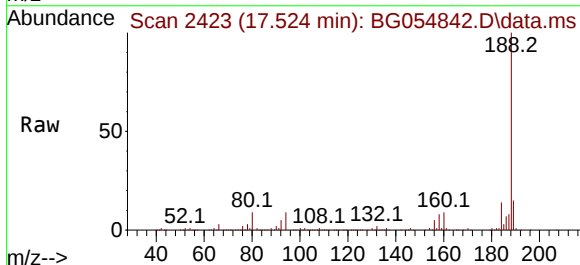
Tgt Ion:188 Resp: 247388

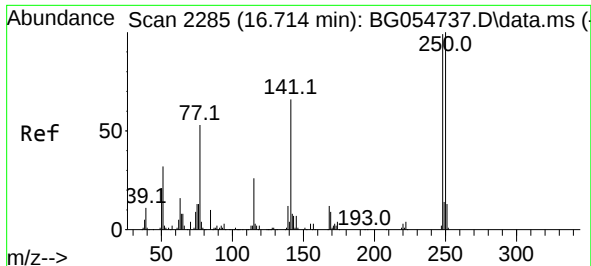
Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.4

80 9.3 7.9 11.9

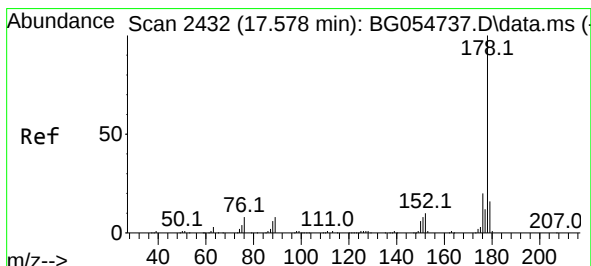
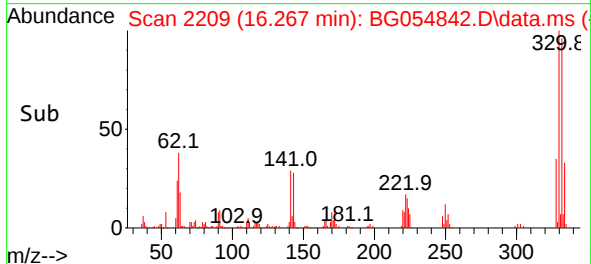
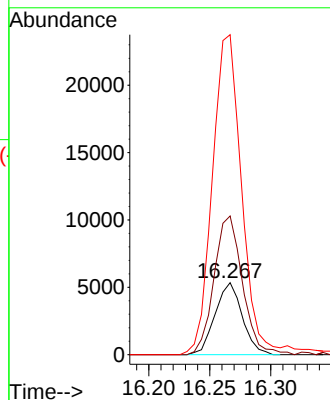
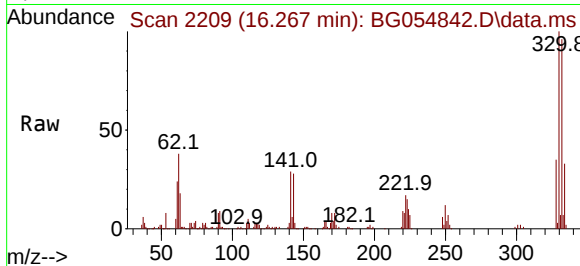




#67
4-Bromophenyl-phenylether
Concen: 3.046 ng
RT: 16.267 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

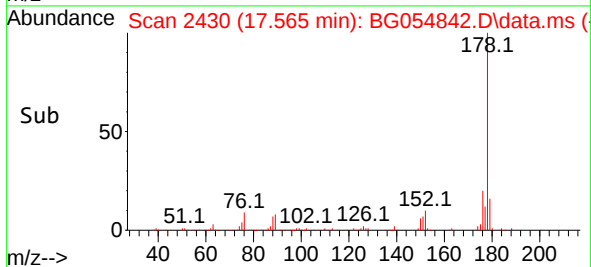
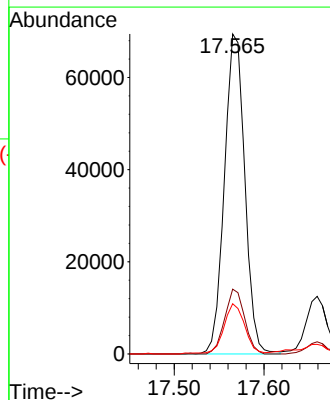
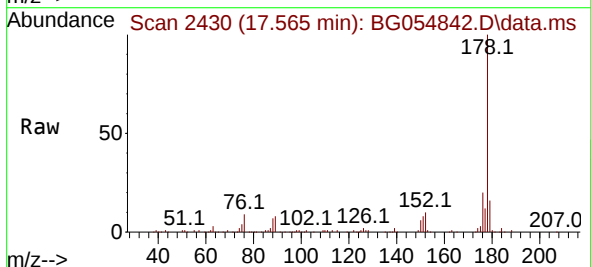
Instrument :
BNA_G
ClientSampleId :
WC-1

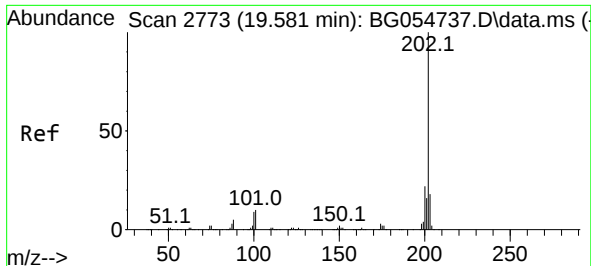
Tgt Ion:248 Resp: 8274
Ion Ratio Lower Upper
248 100
250 192.8 78.8 118.2#
141 444.8 51.9 77.9#



#71
Phenanthrene
Concen: 8.314 ng
RT: 17.565 min Scan# 2430
Delta R.T. -0.013 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

Tgt Ion:178 Resp: 109563
Ion Ratio Lower Upper
178 100
176 20.2 16.6 25.0
179 15.7 12.8 19.2

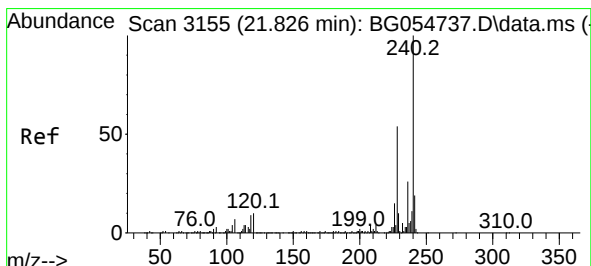
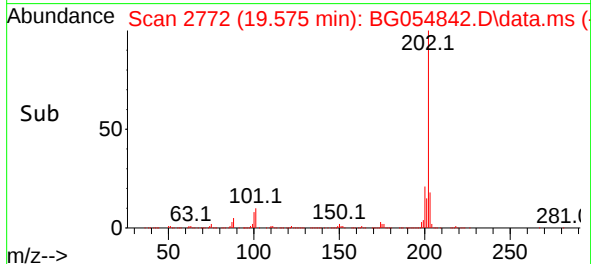
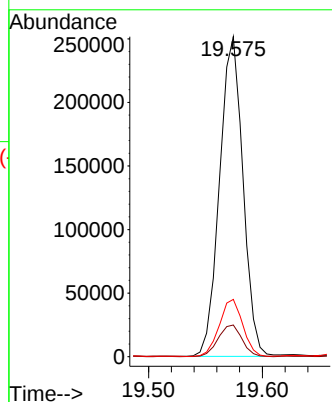
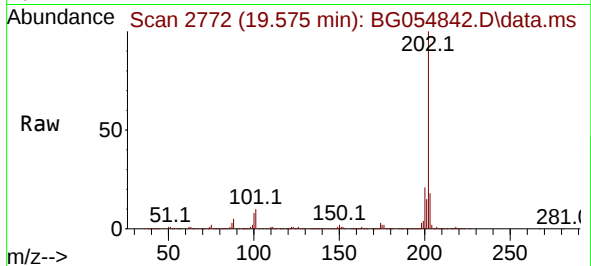




#75
Fluoranthene
Concen: 22.419 ng
RT: 19.575 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

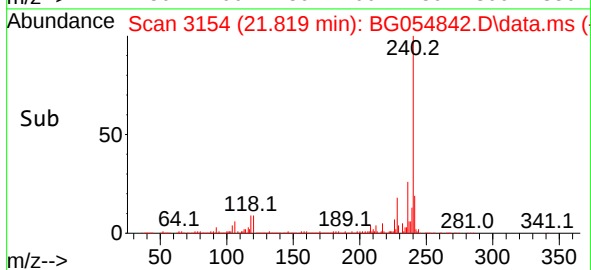
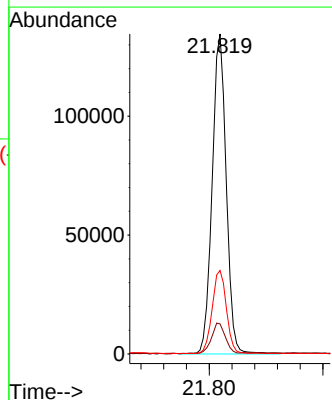
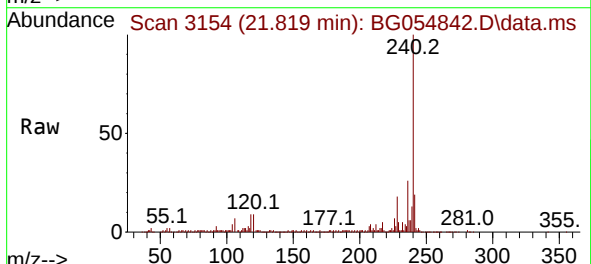
Instrument :
BNA_G
ClientSampleId :
WC-1

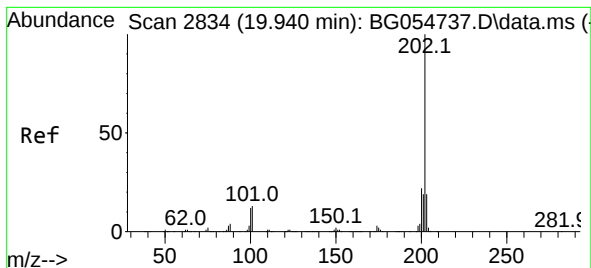
Tgt Ion:202 Resp: 359410
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.4
203 17.9 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.819 min Scan# 3154
Delta R.T. -0.007 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

Tgt Ion:240 Resp: 230473
Ion Ratio Lower Upper
240 100
120 9.4 8.2 12.4
236 26.1 21.2 31.8





#78

Pyrene

Concen: 22.141 ng

RT: 19.933 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG054842.D

Acq: 2 Sep 2022 16:10

Instrument :

BNA_G

ClientSampleId :

WC-1

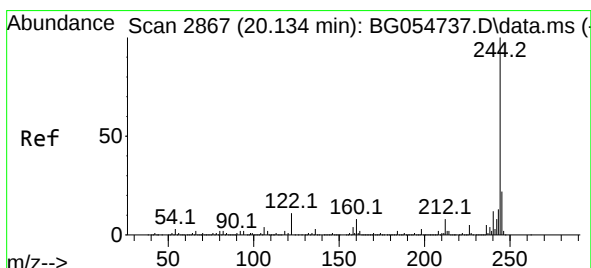
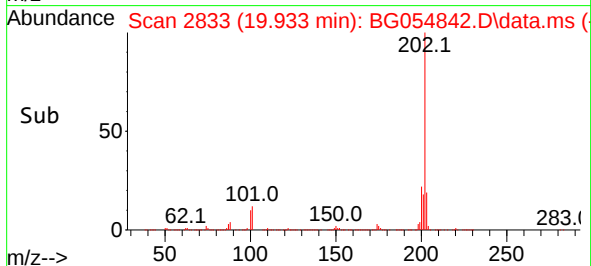
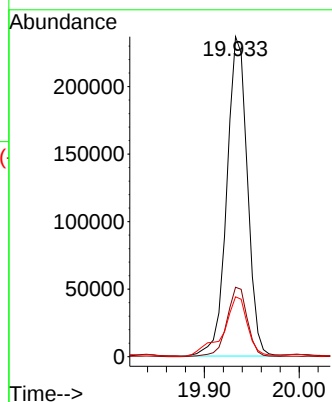
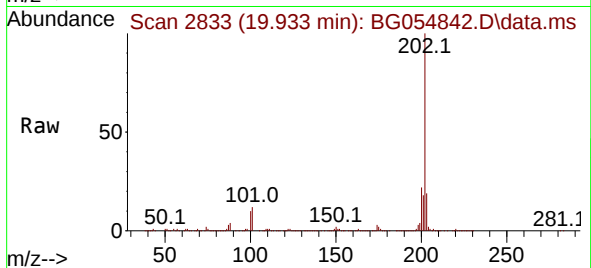
Tgt Ion:202 Resp: 355829

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

203 18.7 14.6 21.8



#79

Terphenyl-d14

Concen: 56.780 ng

RT: 20.121 min Scan# 2865

Delta R.T. -0.013 min

Lab File: BG054842.D

Acq: 2 Sep 2022 16:10

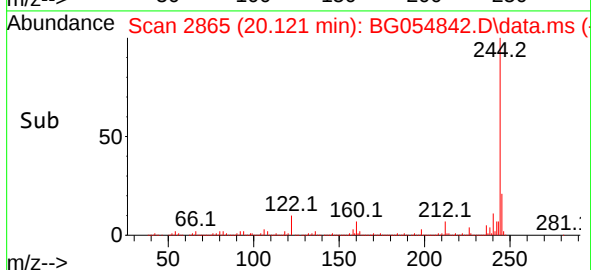
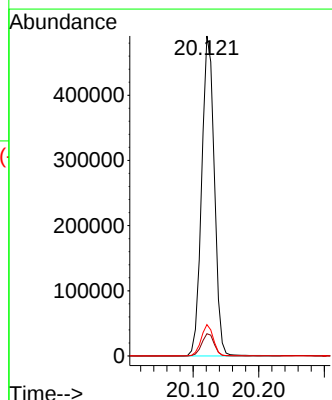
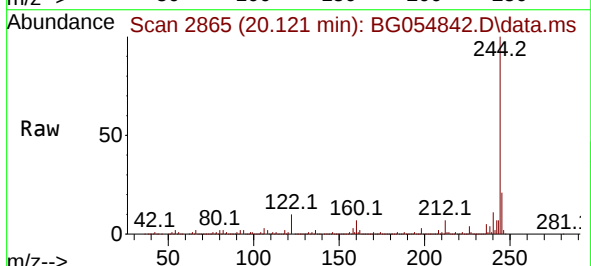
Tgt Ion:244 Resp: 660454

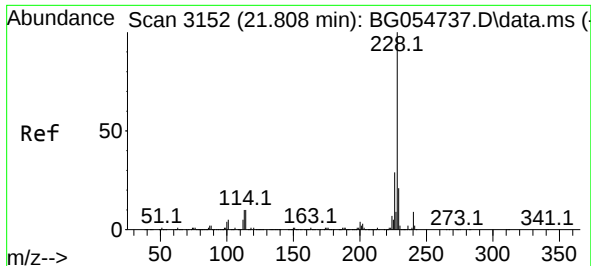
Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

122 9.8 9.0 13.6

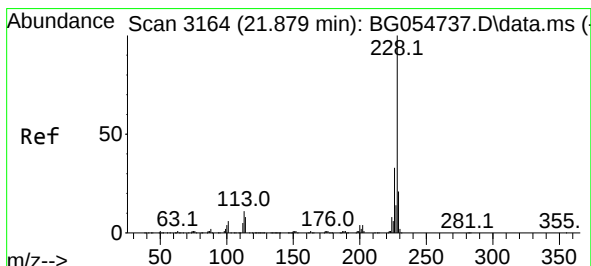
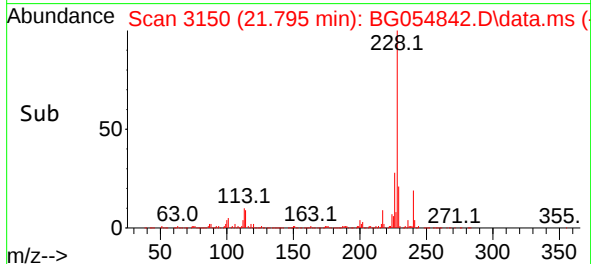
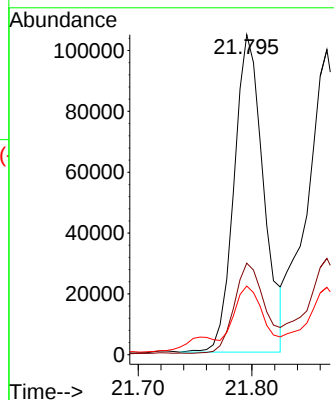
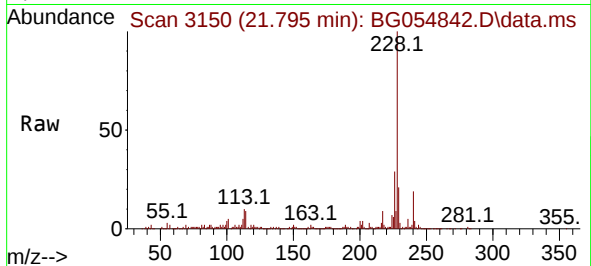




#81
Benzo(a)anthracene
Concen: 12.000 ng
RT: 21.795 min Scan# 3150
Delta R.T. -0.013 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

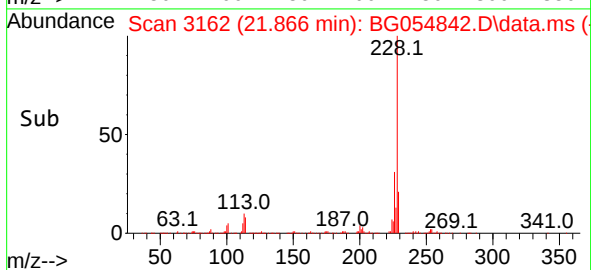
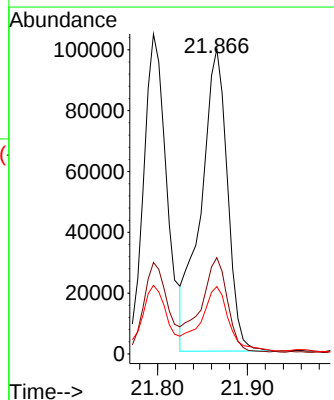
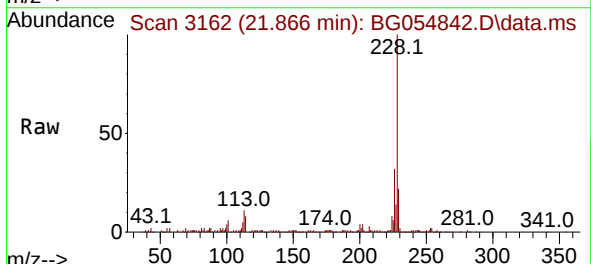
Instrument :
BNA_G
ClientSampleId :
WC-1

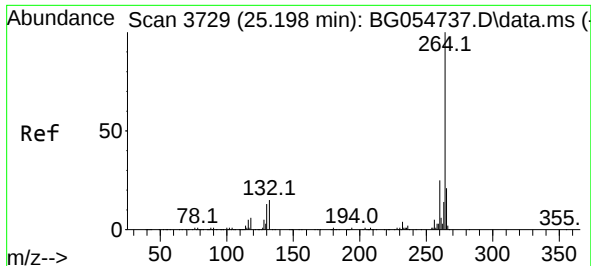
Tgt Ion:228 Resp: 187521
Ion Ratio Lower Upper
228 100
226 28.6 23.4 35.2
229 21.5 16.5 24.7



#83
Chrysene
Concen: 13.708 ng
RT: 21.866 min Scan# 3162
Delta R.T. -0.013 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

Tgt Ion:228 Resp: 204811
Ion Ratio Lower Upper
228 100
226 31.6 25.5 38.3
229 22.1 16.8 25.2

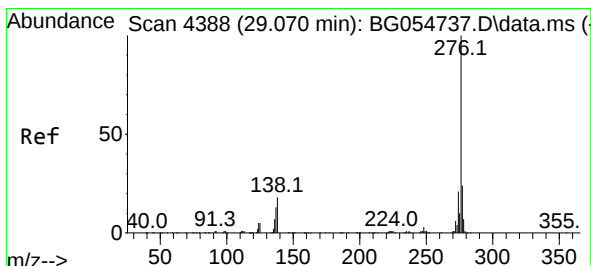
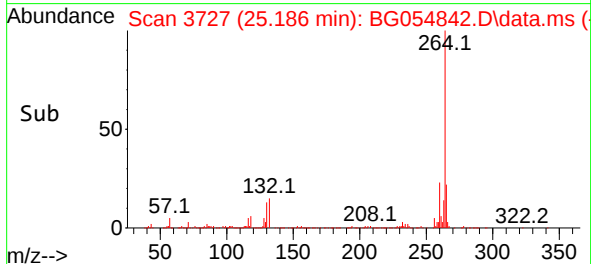
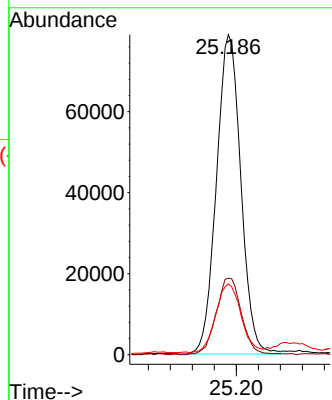
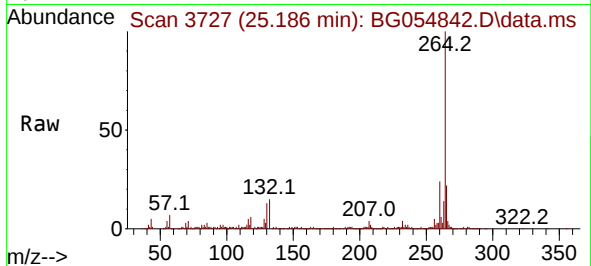




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

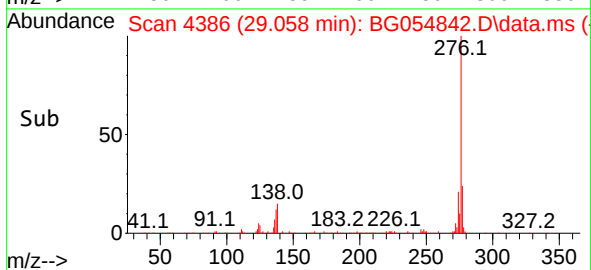
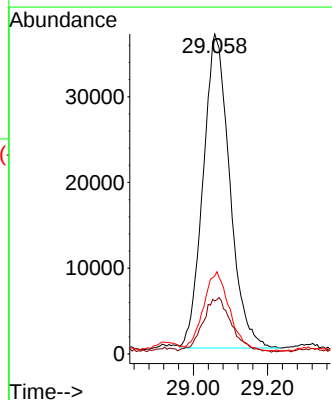
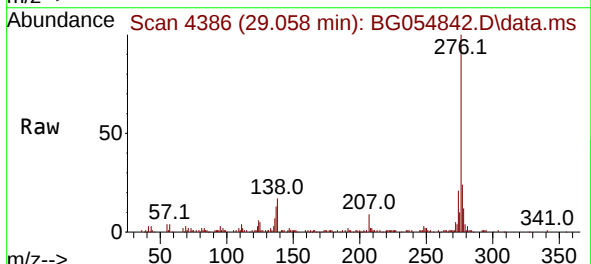
Instrument :
BNA_G
ClientSampleId :
WC-1

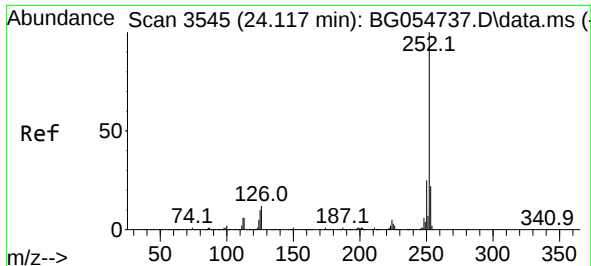
Tgt Ion:264 Resp: 242324
Ion Ratio Lower Upper
264 100
260 23.9 19.9 29.9
265 22.1 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.936 ng
RT: 29.058 min Scan# 4386
Delta R.T. -0.013 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

Tgt Ion:276 Resp: 182786
Ion Ratio Lower Upper
276 100
138 18.9 12.0 18.0#
277 24.9 20.2 30.4

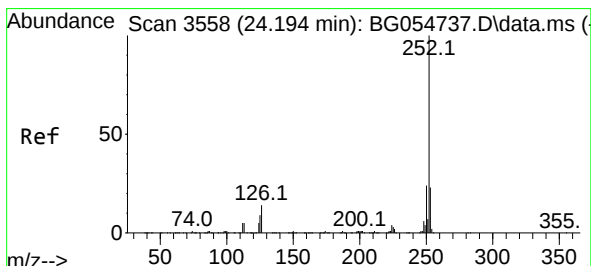
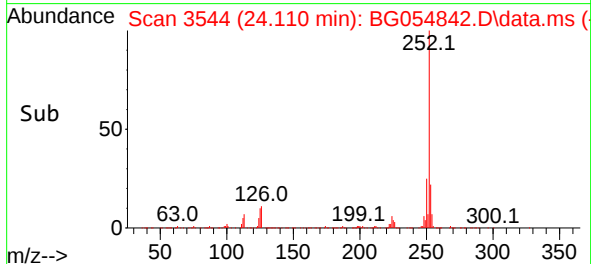
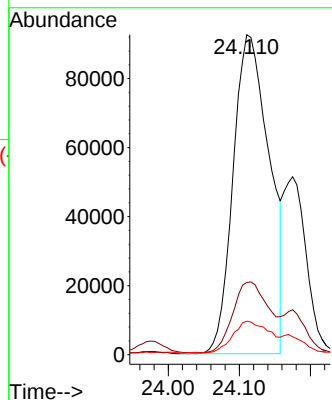
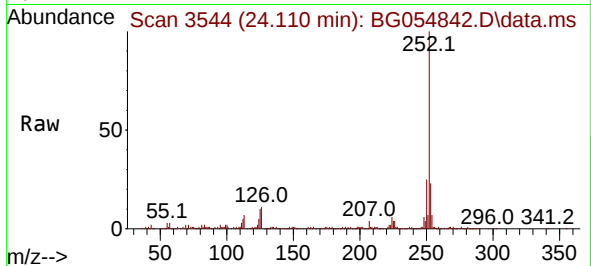




#88
Benzo(b)fluoranthene
Concen: 21.500 ng
RT: 24.110 min Scan# 3544
Delta R.T. -0.007 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

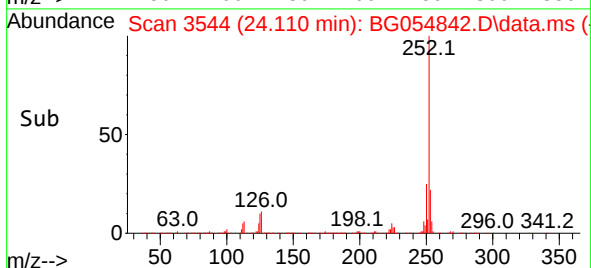
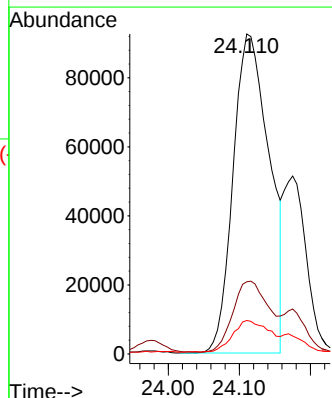
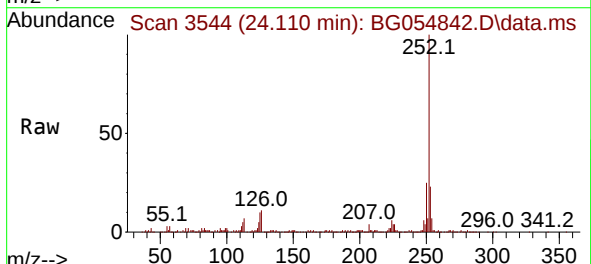
Instrument :
BNA_G
ClientSampleId :
WC-1

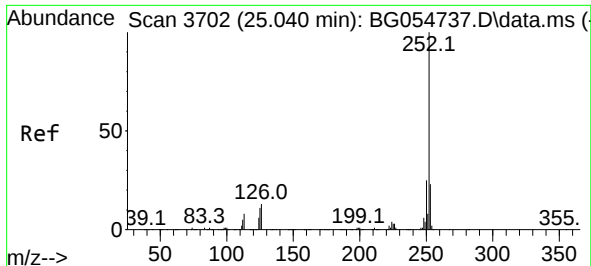
Tgt Ion:252 Resp: 326825
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 10.4 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 21.363 ng
RT: 24.110 min Scan# 3544
Delta R.T. -0.083 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

Tgt Ion:252 Resp: 326825
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.4 8.2 12.4

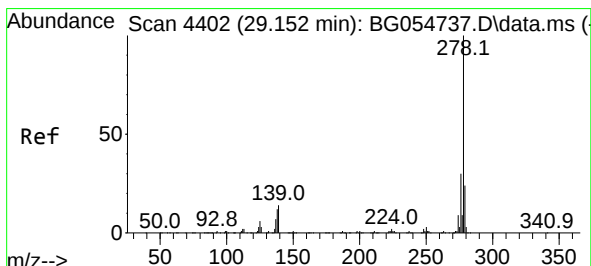
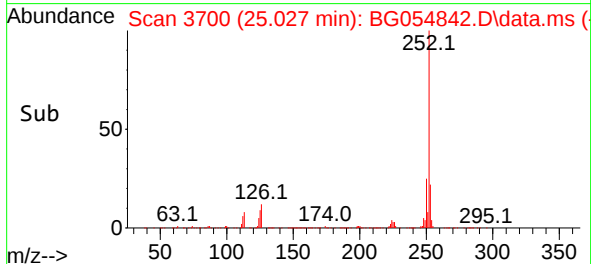
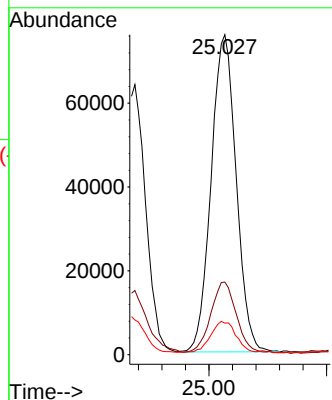
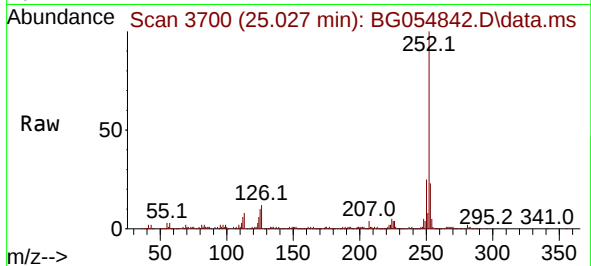




#90
Benzo(a)pyrene
Concen: 17.205 ng
RT: 25.027 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

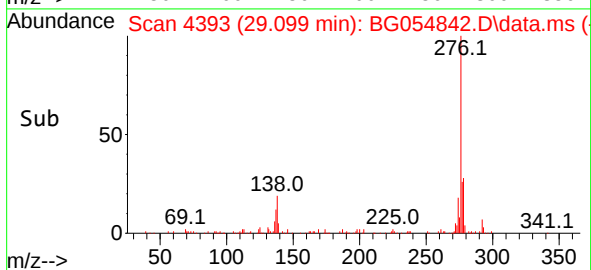
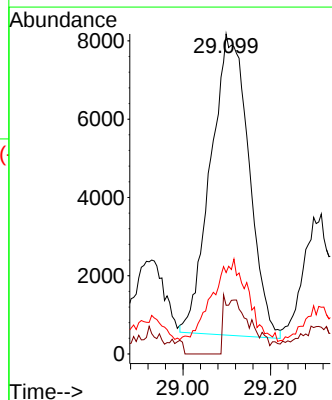
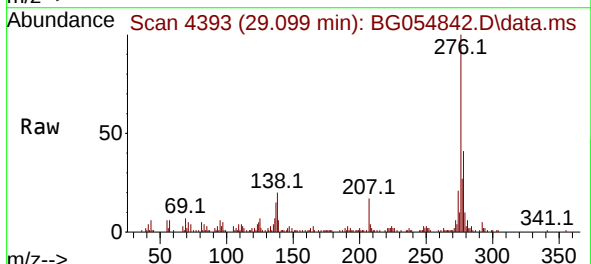
Instrument :
BNA_G
ClientSampleId :
WC-1

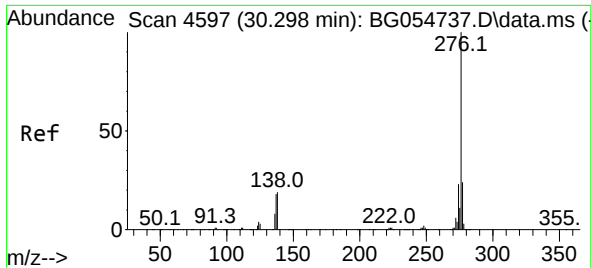
Tgt Ion:252 Resp: 223450
Ion Ratio Lower Upper
252 100
253 22.7 18.3 27.5
125 9.9 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 3.110 ng
RT: 29.099 min Scan# 4393
Delta R.T. -0.054 min
Lab File: BG054842.D
Acq: 2 Sep 2022 16:10

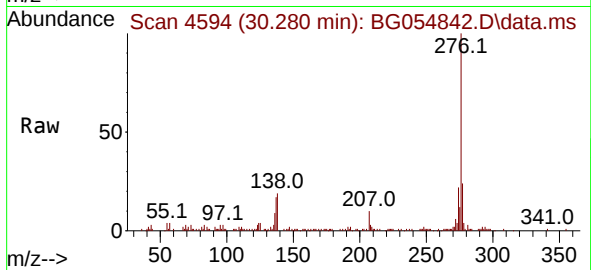
Tgt Ion:278 Resp: 46611
Ion Ratio Lower Upper
278 100
139 15.2 11.4 17.2
279 25.5 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 12.063 ng
 RT: 30.280 min Scan# 4
 Delta R.T. -0.019 min
 Lab File: BG054842.D
 Acq: 2 Sep 2022 16:10

Instrument :
 BNA_G
 ClientSampleId :
 WC-1



Tgt Ion:276 Resp: 182652
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.4 29.0
 138 19.3 16.6 25.0

