

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
 Data File : BG054862.D
 Acq On : 6 Sep 2022 22:06
 Operator : CG/JU
 Sample : N4498-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-090222

Quant Time: Sep 07 05:01:46 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)

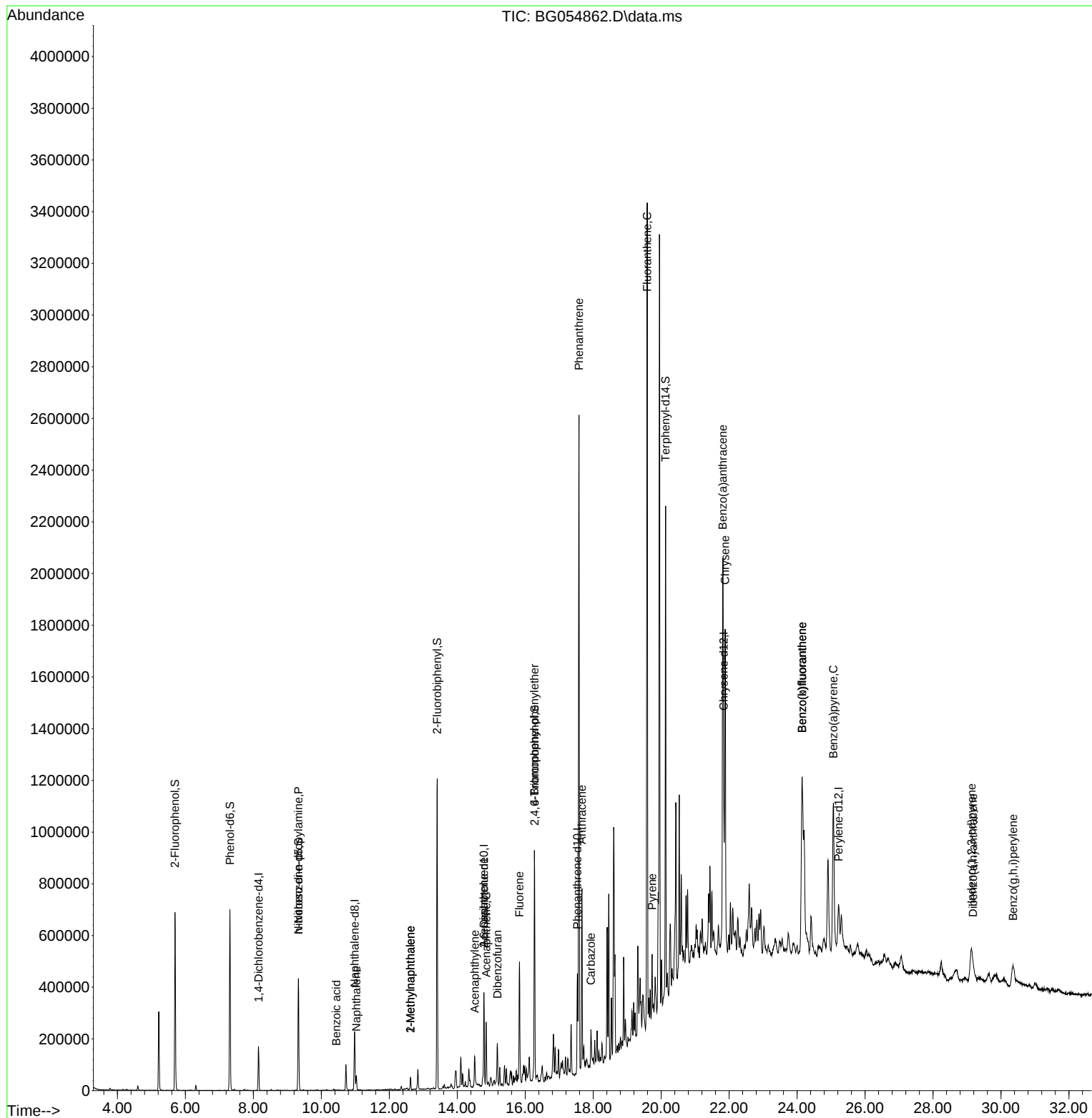
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	51411	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	207308	20.000	ng	0.00
39) Acenaphthene-d10	14.786	164	130528	20.000	ng	0.00
64) Phenanthrene-d10	17.536	188	265415	20.000	ng	0.00
76) Chrysene-d12	21.837	240	238932	20.000	ng	0.01
86) Perylene-d12	25.227	264	224378	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	334328	113.241	ng	0.01
7) Phenol-d6	7.313	99	453811	112.397	ng	0.02
23) Nitrobenzene-d5	9.328	82	276171	69.935	ng	0.00
42) 2,4,6-Tribromophenol	16.278	330	180941	110.937	ng	0.00
45) 2-Fluorobiphenyl	13.411	172	662113	76.242	ng	0.00
79) Terphenyl-d14	20.133	244	903276	74.906	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.328	70	35276	12.705	ng	# 79
31) Naphthalene	11.032	128	46977	4.224	ng	98
32) Benzoic acid	10.444	122	118	7.853	ng	# 36
37) 2-Methylnaphthalene	12.624	142	23102	2.963	ng	98
38) 1-Methylnaphthalene	12.624	142	23102	3.046	ng	96
49) Acenaphthylene	14.516	152	111654	9.191	ng	95
51) 2,6-Dinitrotoluene	14.786	165	21145	10.280	ng	# 24
52) Acenaphthene	14.851	154	87490	11.212	ng	96
55) Dibenzofuran	15.180	168	80787	7.046	ng	# 96
58) Fluorene	15.832	166	225869	23.383	ng	100
67) 4-Bromophenyl-phenylether	16.273	248	11359	3.898	ng	# 1
71) Phenanthrene	17.583	178	1628544	115.182	ng	94
72) Anthracene	17.671	178	475792	34.612	ng	100
73) Carbazole	17.935	167	89555	7.071	ng	97
75) Fluoranthene	19.592	202	2039791	118.593	ng	94
78) Pyrene	19.733	202	158729	9.527	ng	96
81) Benzo(a)anthracene	21.813	228	1008843	62.273	ng	96
83) Chrysene	21.884	228	900912	58.162	ng	97
87) Indeno(1,2,3-cd)pyrene	29.134	276	323839	19.011	ng	94
88) Benzo(b)fluoranthene	24.152	252	1032894	73.383	ng	98
89) Benzo(k)fluoranthene	24.152	252	1032894	72.916	ng	97
90) Benzo(a)pyrene	25.068	252	836804	69.586	ng	98
91) Dibenzo(a,h)anthracene	29.181	278	76405	5.506	ng	# 79
92) Benzo(g,h,i)perylene	30.356	276	266971	19.043	ng	95

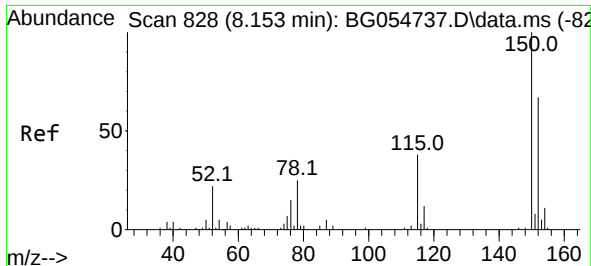
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
Data File : BG054862.D
Acq On : 6 Sep 2022 22:06
Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-090222

Quant Time: Sep 07 05:01:46 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 17:50:55 2022
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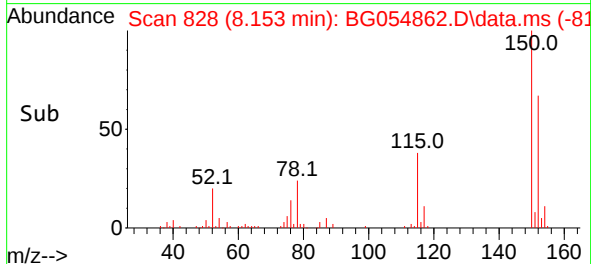
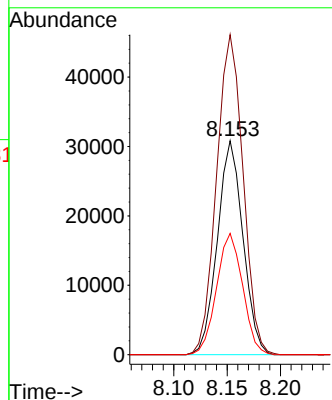
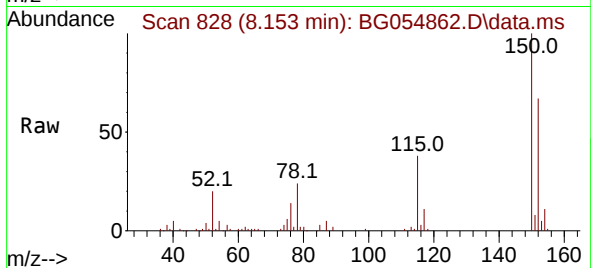




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

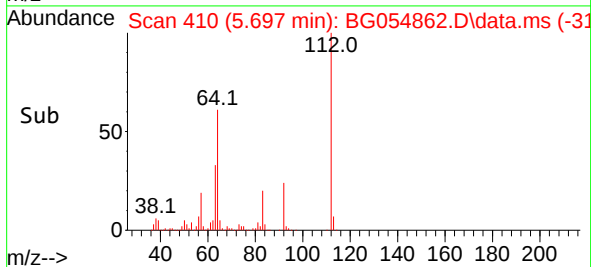
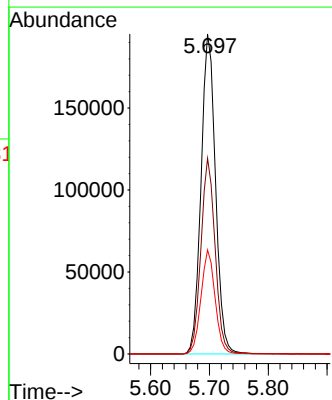
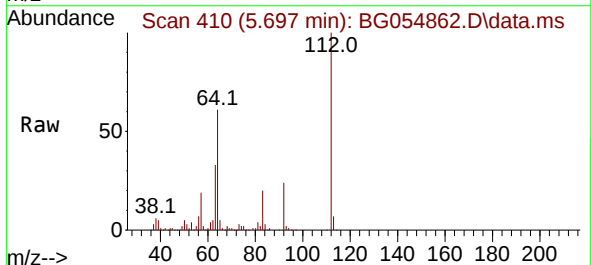
Instrument :
BNA_G
ClientSampleId :
CL-02-090222

Tgt Ion:152 Resp: 51411
Ion Ratio Lower Upper
152 100
150 149.6 125.2 187.8
115 56.7 47.9 71.9



#5
2-Fluorophenol
Concen: 113.241 ng
RT: 5.697 min Scan# 410
Delta R.T. 0.011 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

Tgt Ion:112 Resp: 334328
Ion Ratio Lower Upper
112 100
64 61.1 49.3 73.9
63 32.5 26.3 39.5

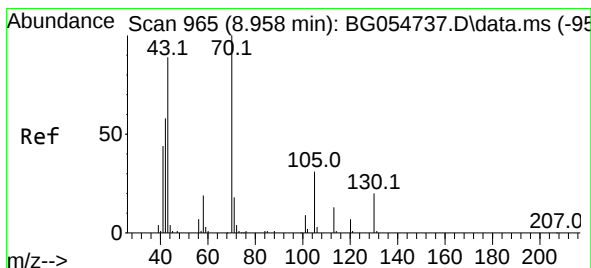
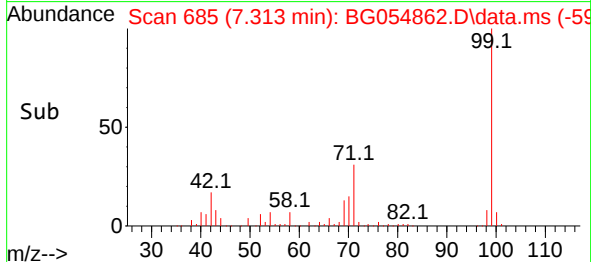
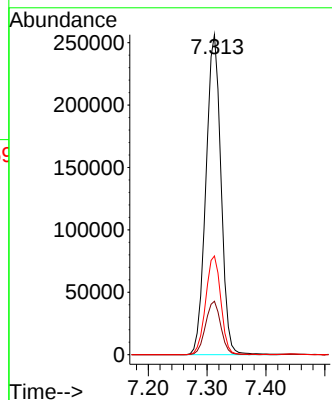
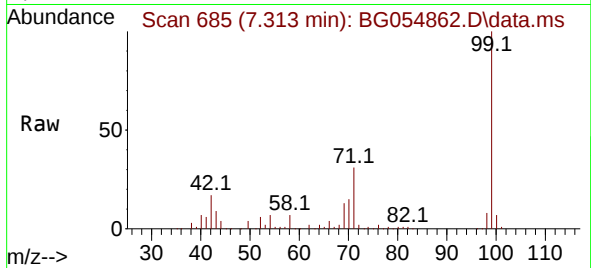




#7
Phenol-d6
Concen: 112.397 ng
RT: 7.313 min Scan# 61
Delta R.T. 0.017 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

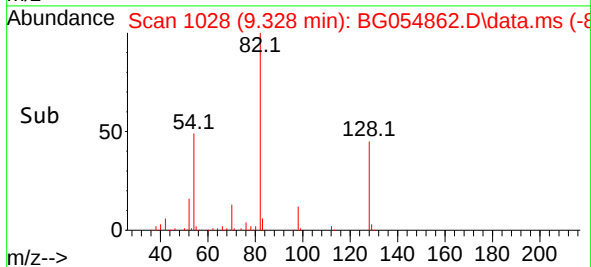
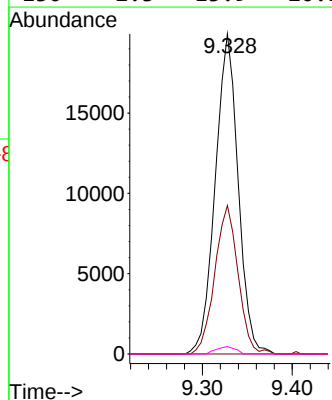
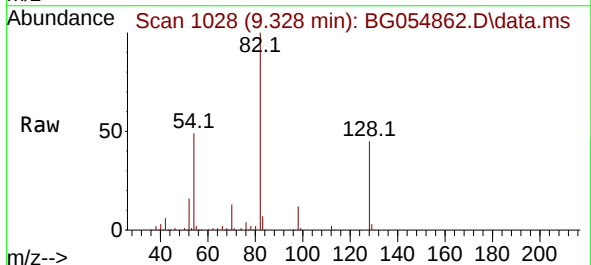
Instrument :
BNA_G
ClientSampleId :
CL-02-090222

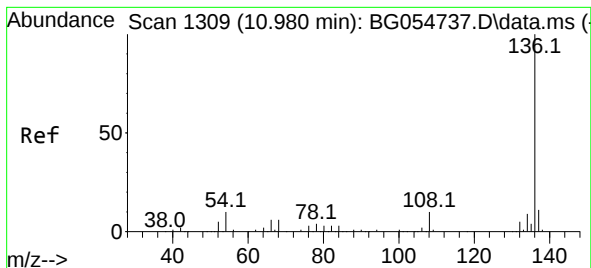
Tgt Ion: 99 Resp: 453811
Ion Ratio Lower Upper
99 100
42 16.7 14.6 22.0
71 30.8 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.705 ng
RT: 9.328 min Scan# 1028
Delta R.T. 0.369 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

Tgt Ion: 70 Resp: 35276
Ion Ratio Lower Upper
70 100
42 46.4 46.6 69.8#
101 0.0 7.7 11.5#
130 2.3 13.9 20.9#



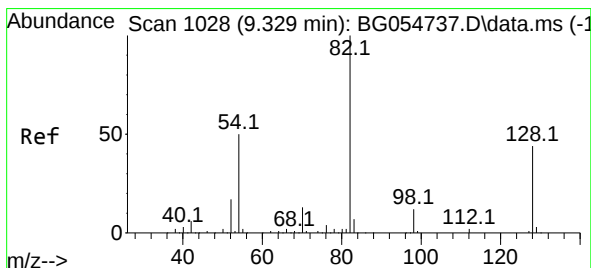
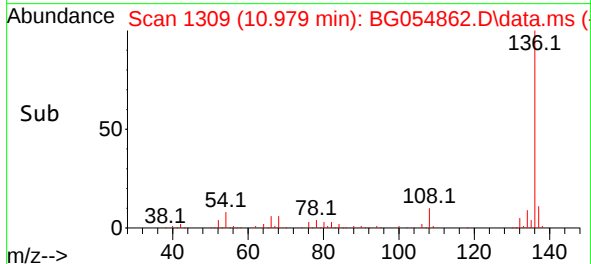
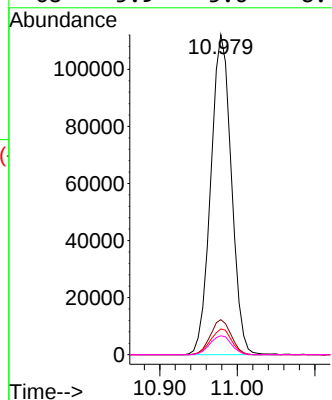
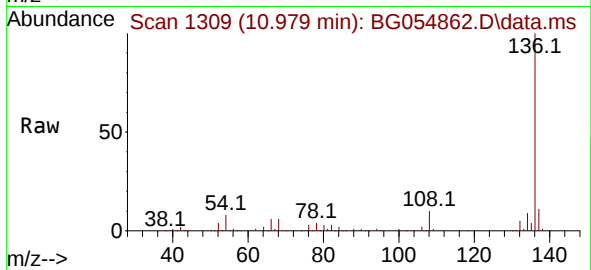


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1309
Delta R.T. -0.001 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

Instrument :
BNA_G
ClientSampleId :
CL-02-090222

Tgt Ion:136 Resp: 207308

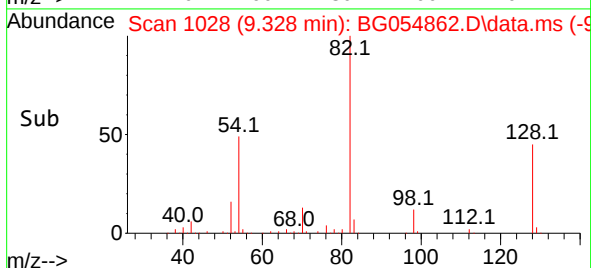
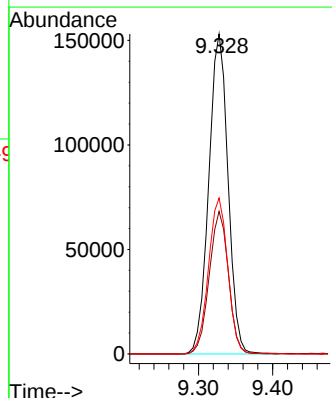
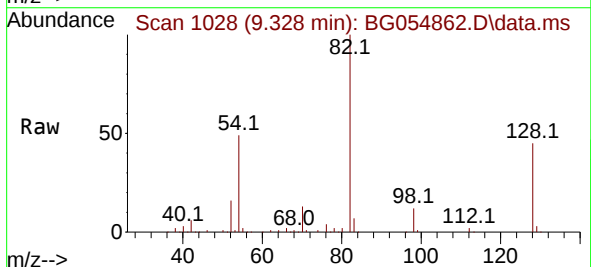
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	8.0	7.7	11.5
68	5.9	5.6	8.4

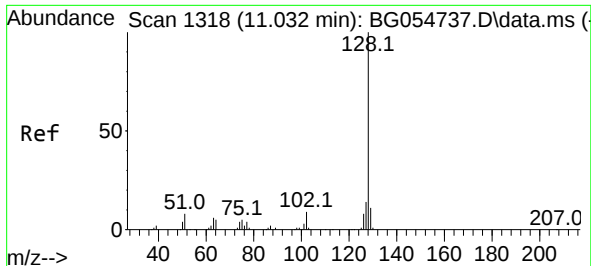


#23
Nitrobenzene-d5
Concen: 69.935 ng
RT: 9.328 min Scan# 1028
Delta R.T. -0.001 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

Tgt Ion: 82 Resp: 276171

Ion	Ratio	Lower	Upper
82	100		
128	44.6	32.2	48.2
54	48.7	41.4	62.0

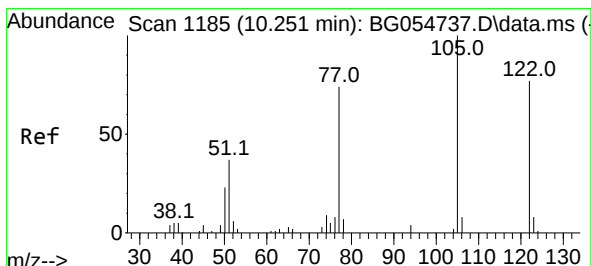
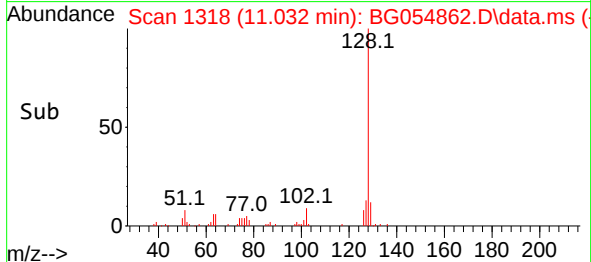
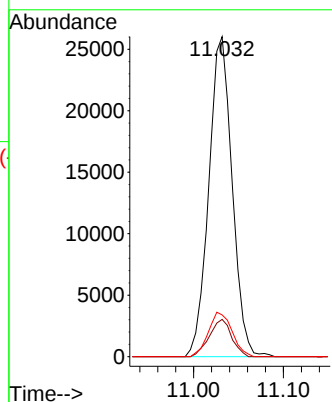
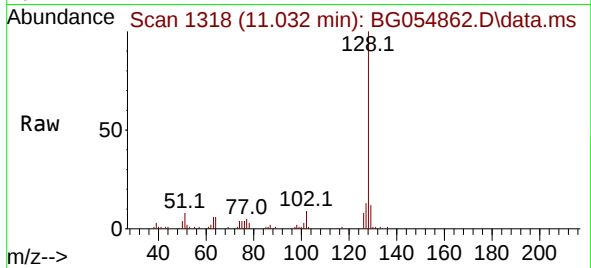




#31
Naphthalene
Concen: 4.224 ng
RT: 11.032 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

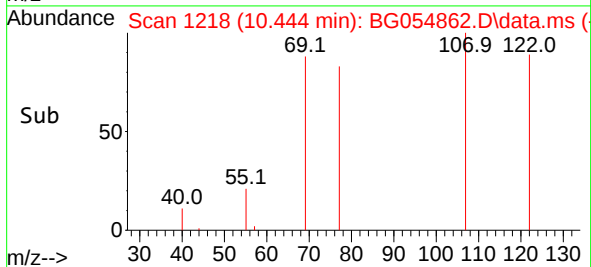
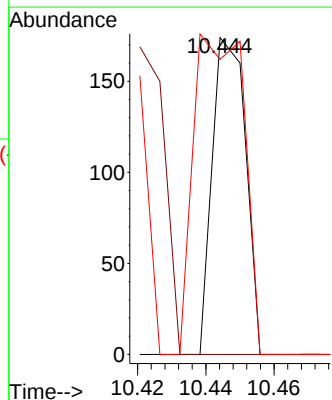
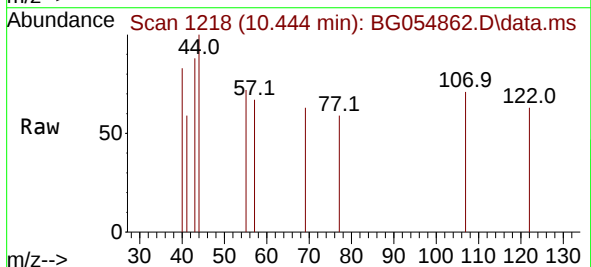
Instrument :
BNA_G
ClientSampleId :
CL-02-090222

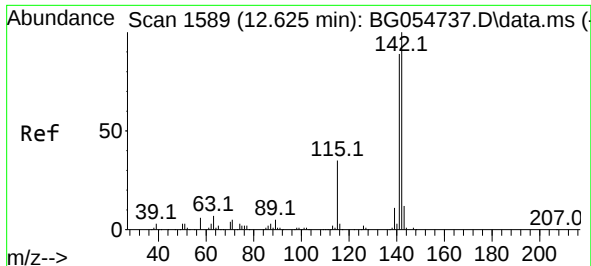
Tgt Ion:128 Resp: 46977
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.4
127 13.0 11.1 16.7



#32
Benzoic acid
Concen: 7.853 ng
RT: 10.444 min Scan# 1218
Delta R.T. 0.193 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

Tgt Ion:122 Resp: 118
Ion Ratio Lower Upper
122 100
105 0.0 101.5 141.5#
77 93.1 69.3 109.3





#37

2-Methylnaphthalene

Concen: 2.963 ng

RT: 12.624 min Scan# 1589

Delta R.T. -0.001 min

Lab File: BG054862.D

Acq: 6 Sep 2022 22:06

Instrument :

BNA_G

ClientSampleId :

CL-02-090222

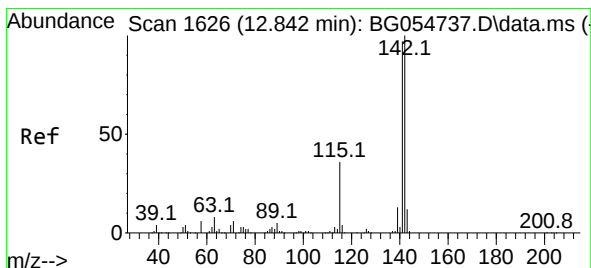
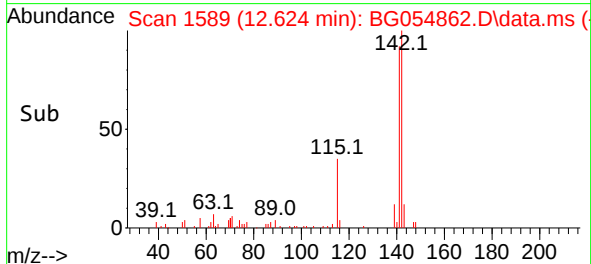
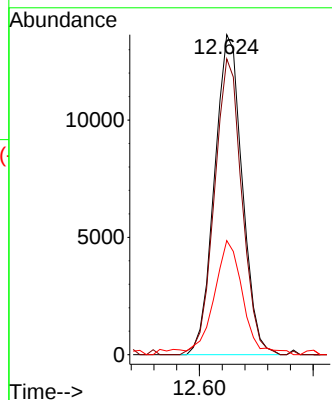
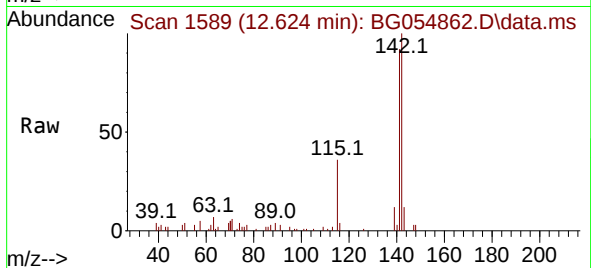
Tgt Ion:142 Resp: 23102

Ion Ratio Lower Upper

142 100

141 92.5 73.0 109.4

115 35.7 27.3 40.9



#38

1-Methylnaphthalene

Concen: 3.046 ng

RT: 12.624 min Scan# 1589

Delta R.T. -0.218 min

Lab File: BG054862.D

Acq: 6 Sep 2022 22:06

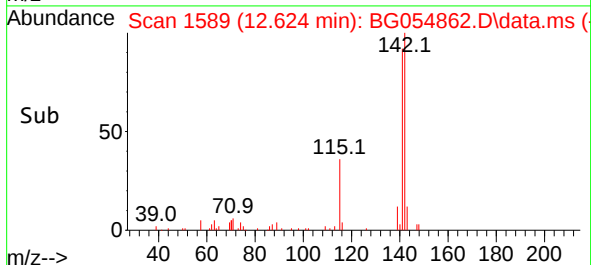
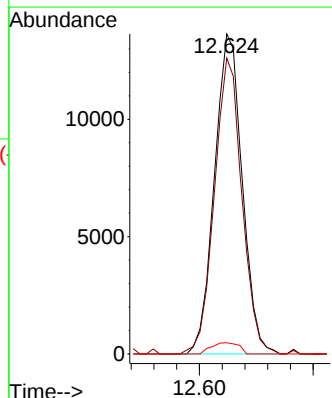
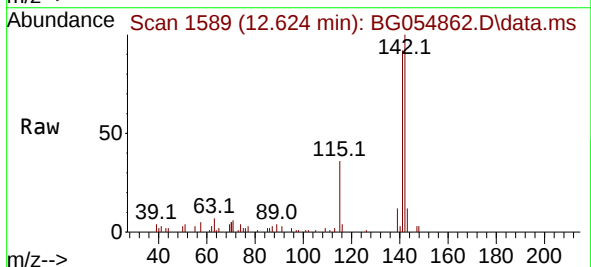
Tgt Ion:142 Resp: 23102

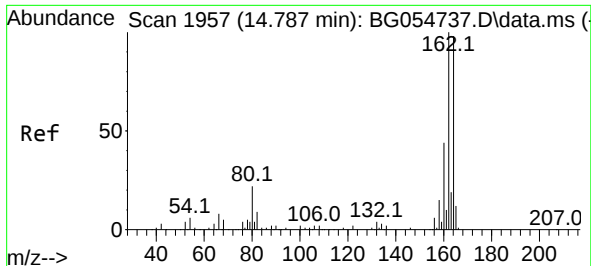
Ion Ratio Lower Upper

142 100

141 92.5 77.4 116.0

116 3.5 3.0 4.4

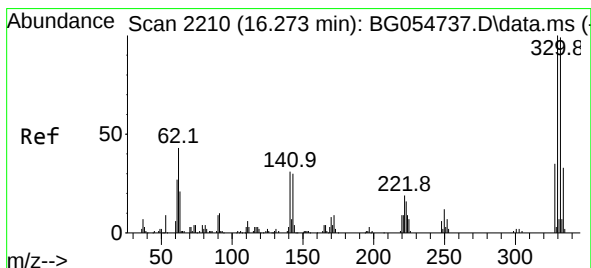
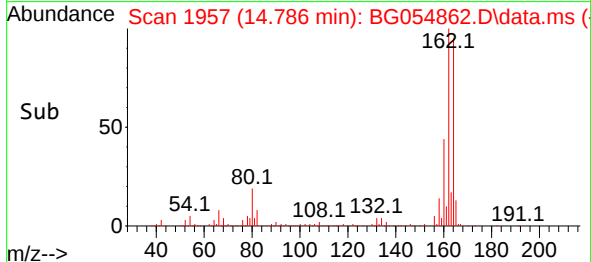
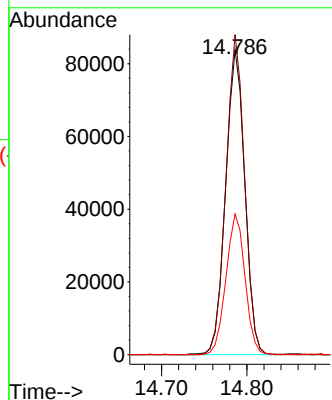
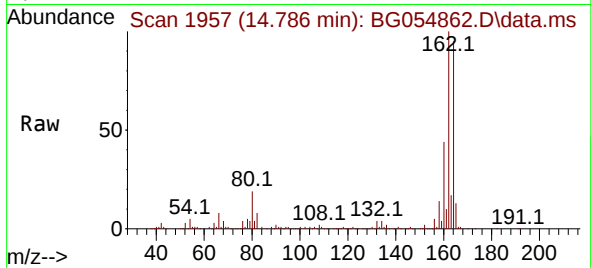




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.786 min Scan# 1957
Delta R.T. -0.001 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

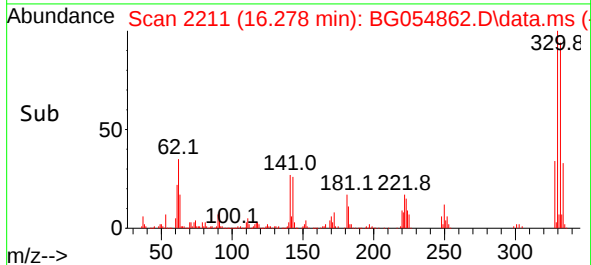
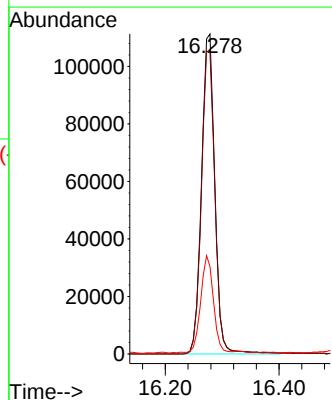
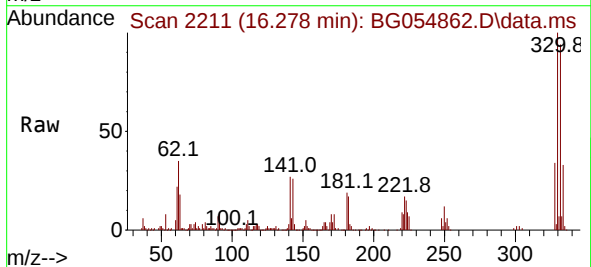
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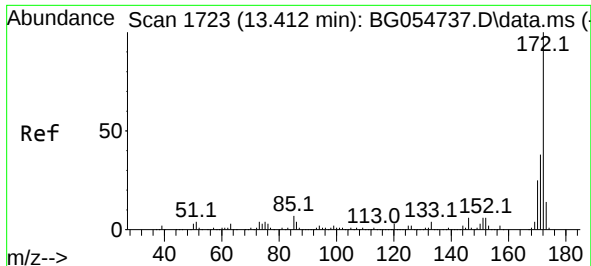
Tgt Ion:164 Resp: 130528
Ion Ratio Lower Upper
164 100
162 104.9 83.0 124.4
160 46.1 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 110.937 ng
RT: 16.278 min Scan# 2211
Delta R.T. 0.005 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

Tgt Ion:330 Resp: 180941
Ion Ratio Lower Upper
330 100
332 95.8 79.8 119.6
141 29.0 26.8 40.2

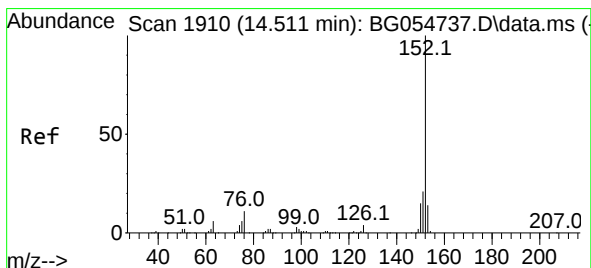
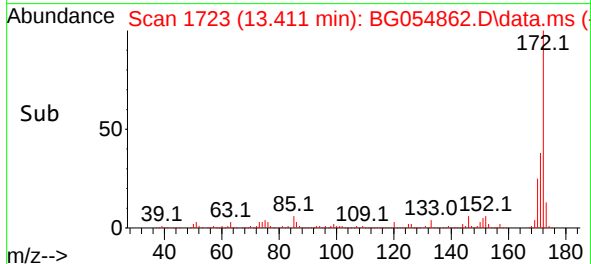
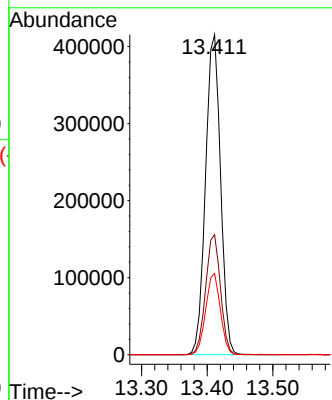
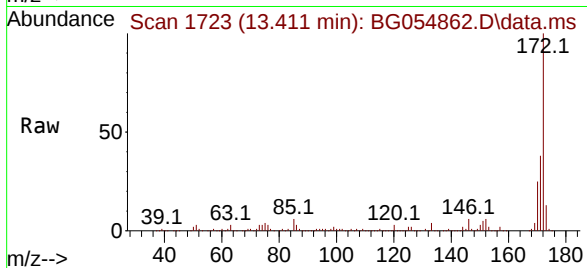




#45
2-Fluorobiphenyl
Concen: 76.242 ng
RT: 13.411 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

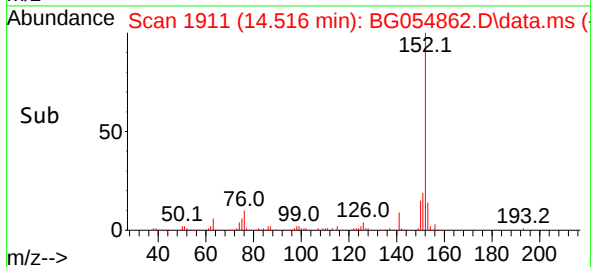
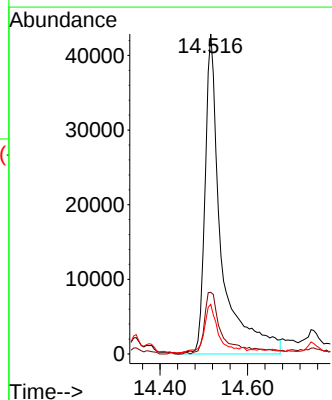
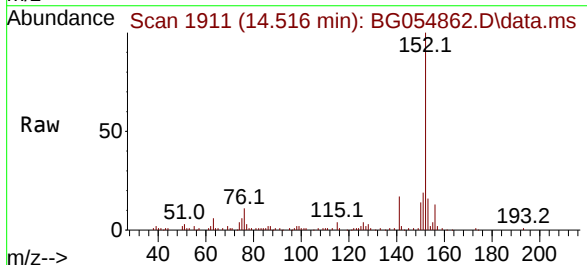
Instrument :
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CL-02-090222

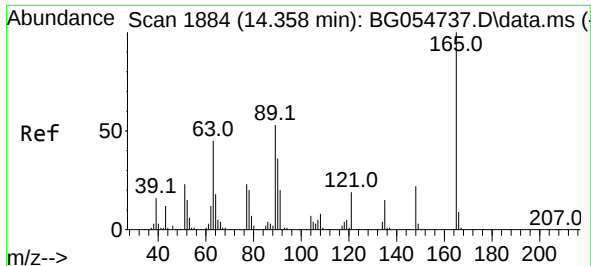
Tgt Ion:172 Resp: 662113
Ion Ratio Lower Upper
172 100
171 37.5 31.2 46.8
170 25.4 20.6 30.8



#49
Acenaphthylene
Concen: 9.191 ng
RT: 14.516 min Scan# 1911
Delta R.T. 0.005 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

Tgt Ion:152 Resp: 111654
Ion Ratio Lower Upper
152 100
151 19.2 17.3 25.9
153 15.5 10.8 16.2

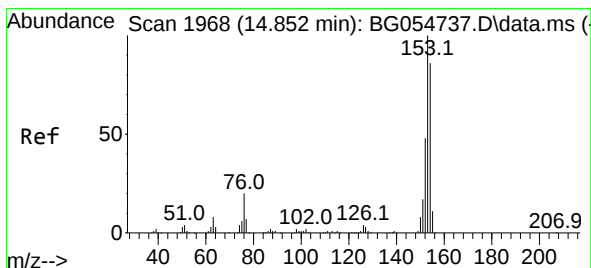
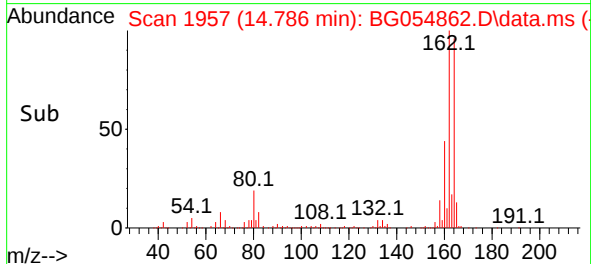
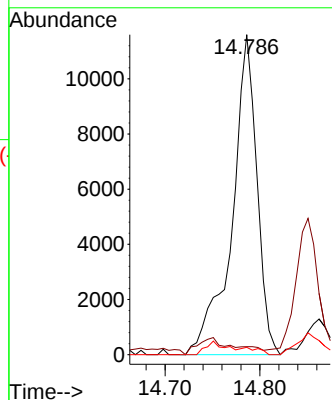
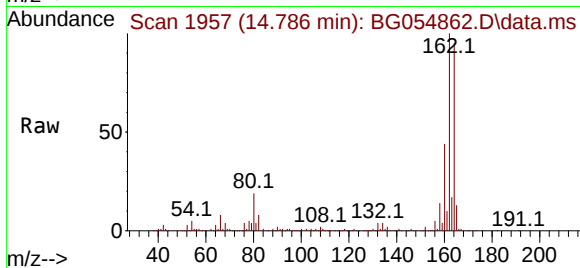




#51
2,6-Dinitrotoluene
Concen: 10.280 ng
RT: 14.786 min Scan# 1957
Delta R.T. 0.428 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

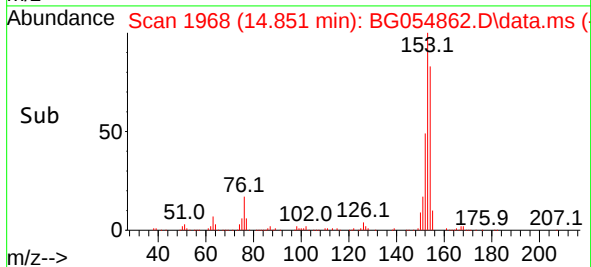
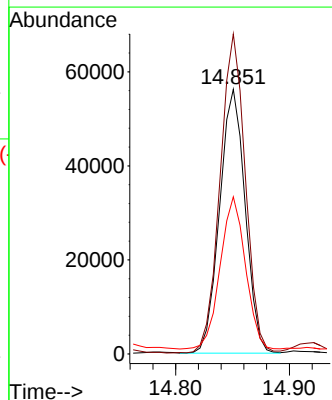
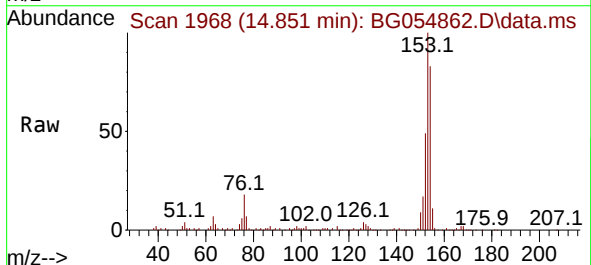
Instrument :
BNA_G
ClientSampleId :
CL-02-090222

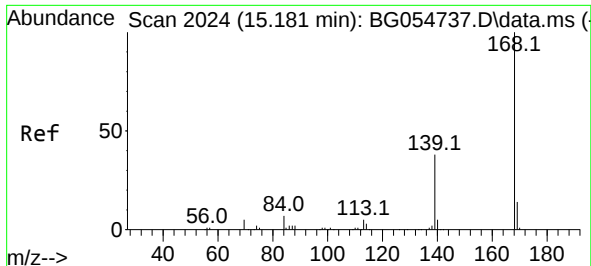
Tgt Ion:165 Resp: 21145
Ion Ratio Lower Upper
165 100
63 2.5 46.0 69.0#
89 2.3 50.3 75.5#



#52
Acenaphthene
Concen: 11.212 ng
RT: 14.851 min Scan# 1968
Delta R.T. -0.001 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

Tgt Ion:154 Resp: 87490
Ion Ratio Lower Upper
154 100
153 120.9 92.8 139.2
152 59.4 45.4 68.2





#55

Dibenzenofuran

Concen: 7.046 ng

RT: 15.180 min Scan# 2024

Delta R.T. -0.001 min

Lab File: BG054862.D

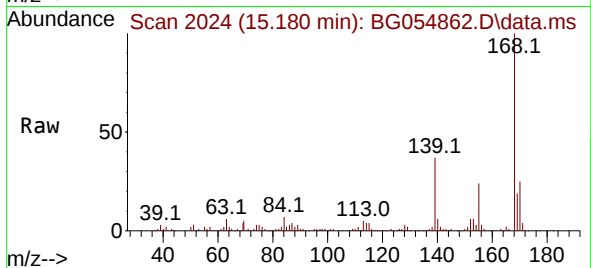
Acq: 6 Sep 2022 22:06

Instrument :

BNA_G

ClientSampleId :

CL-02-090222



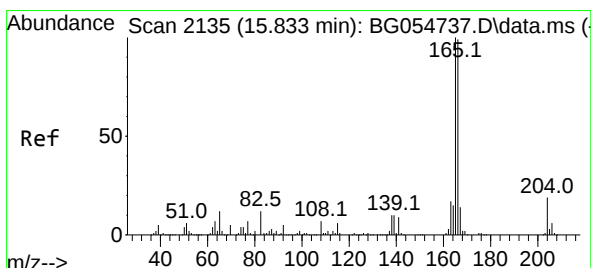
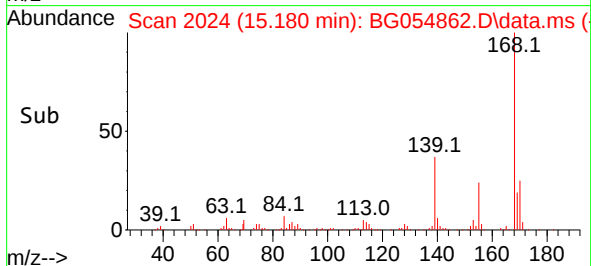
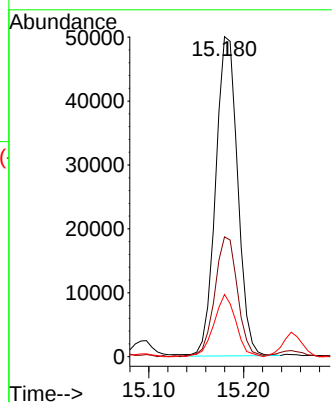
Tgt Ion:168 Resp: 80787

Ion Ratio Lower Upper

168 100

139 37.4 30.2 45.2

169 19.4 11.3 16.9#



#58

Fluorene

Concen: 23.383 ng

RT: 15.832 min Scan# 2135

Delta R.T. -0.001 min

Lab File: BG054862.D

Acq: 6 Sep 2022 22:06

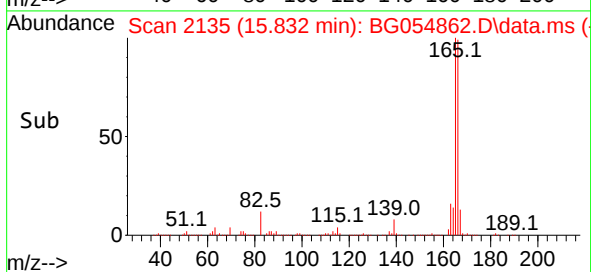
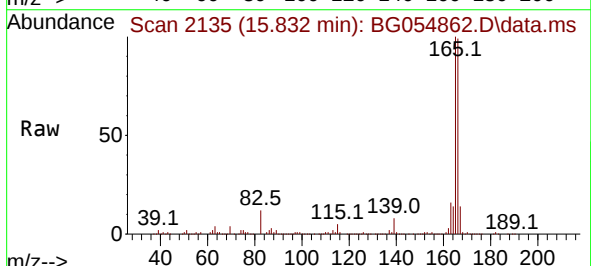
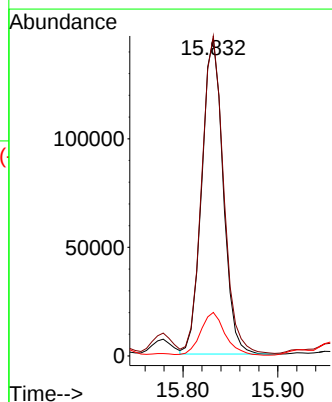
Tgt Ion:166 Resp: 225869

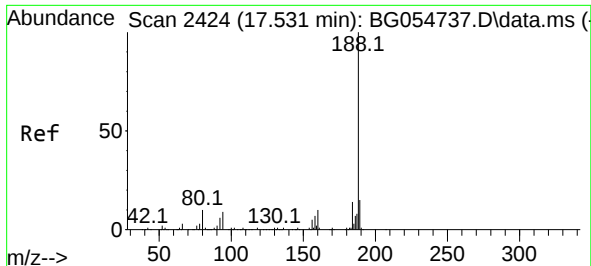
Ion Ratio Lower Upper

166 100

165 100.8 80.8 121.2

167 13.7 11.4 17.0

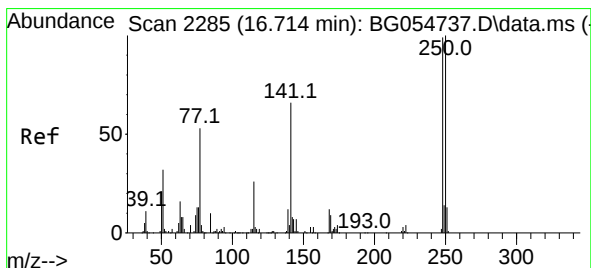
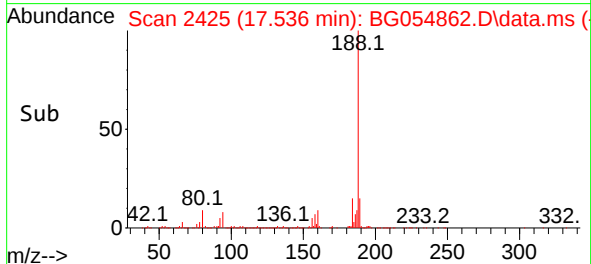
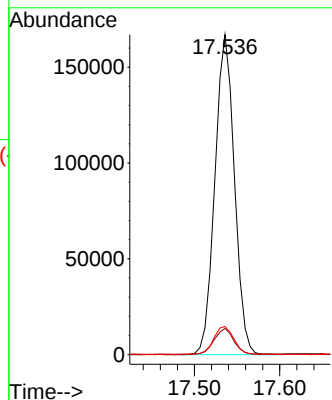
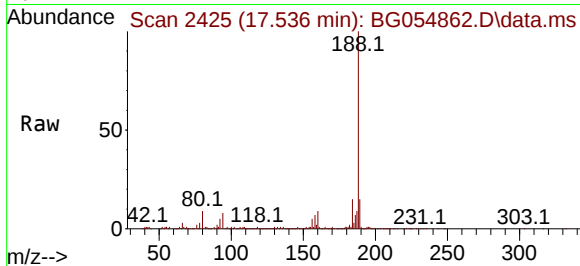




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.536 min Scan# 2424
Delta R.T. 0.005 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

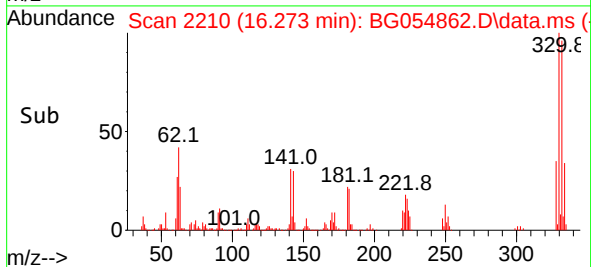
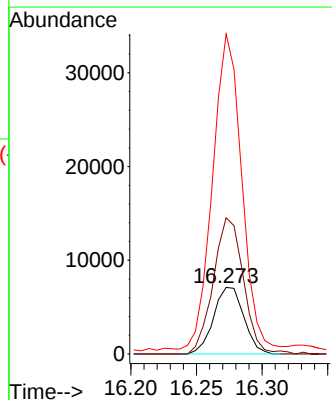
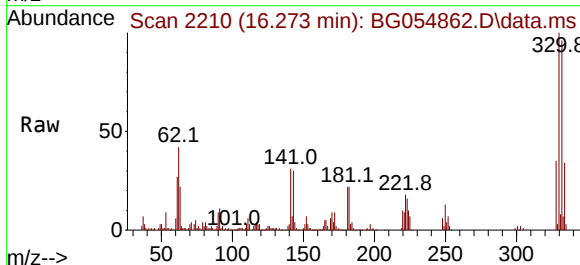
Instrument :
BNA_G
ClientSampleId :
CL-02-090222

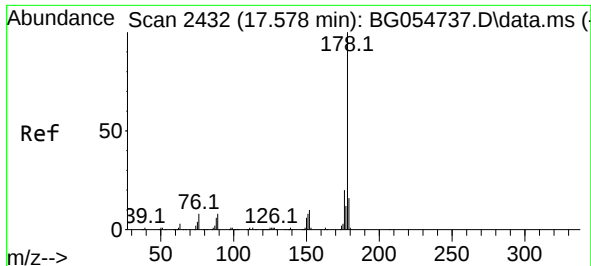
Tgt Ion:188 Resp: 265415
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 8.8 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.898 ng
RT: 16.273 min Scan# 2210
Delta R.T. -0.441 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

Tgt Ion:248 Resp: 11359
Ion Ratio Lower Upper
248 100
250 204.6 78.8 118.2#
141 481.1 51.9 77.9#

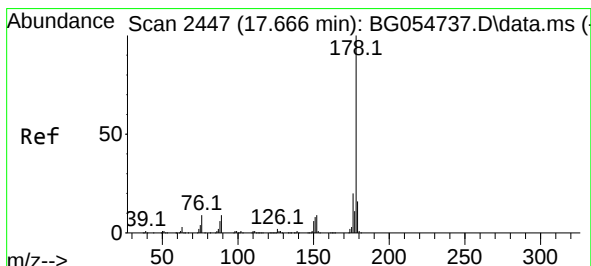
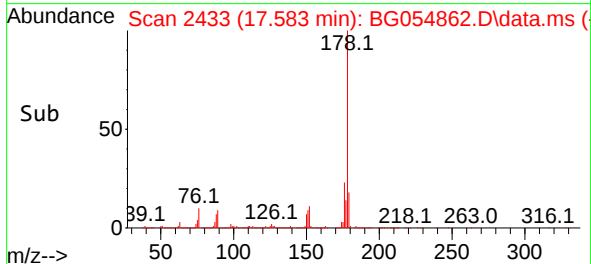
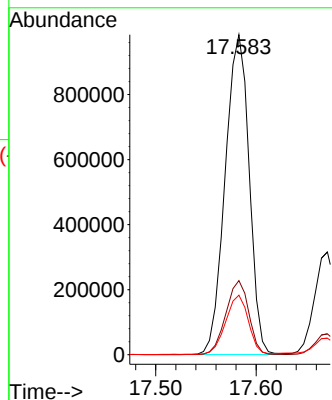
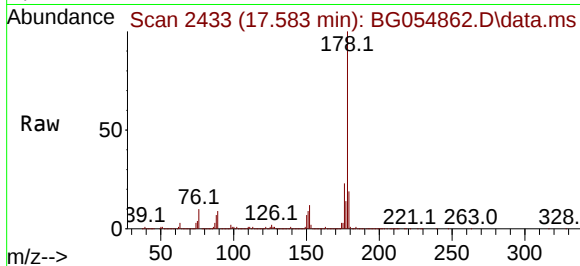




#71
 Phenanthrene
 Concen: 115.182 ng
 RT: 17.583 min Scan# 2432
 Delta R.T. 0.005 min
 Lab File: BG054862.D
 Acq: 6 Sep 2022 22:06

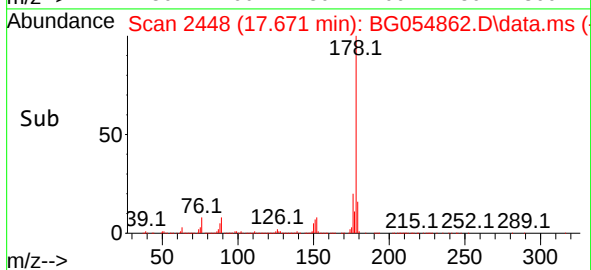
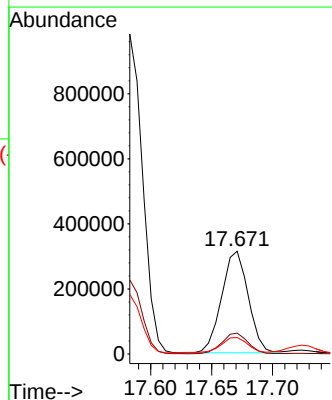
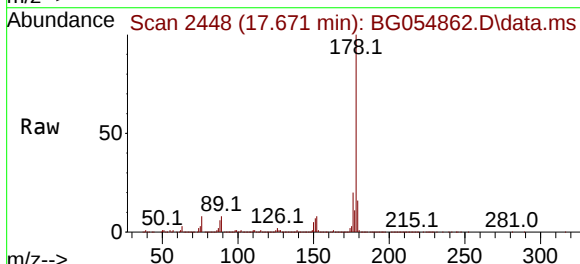
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-090222

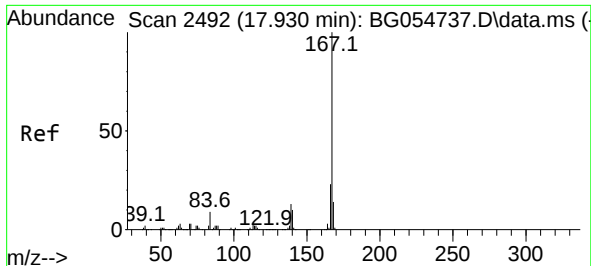
Tgt Ion:178 Resp: 1628544
 Ion Ratio Lower Upper
 178 100
 176 23.2 16.6 25.0
 179 18.6 12.8 19.2



#72
 Anthracene
 Concen: 34.612 ng
 RT: 17.671 min Scan# 2448
 Delta R.T. 0.005 min
 Lab File: BG054862.D
 Acq: 6 Sep 2022 22:06

Tgt Ion:178 Resp: 475792
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 16.0 12.9 19.3

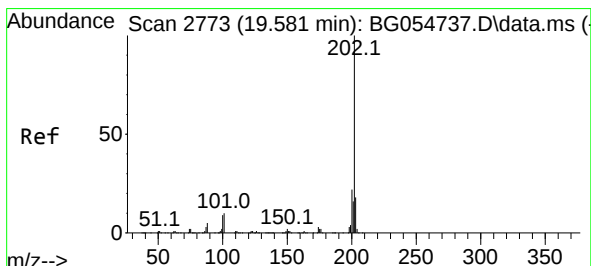
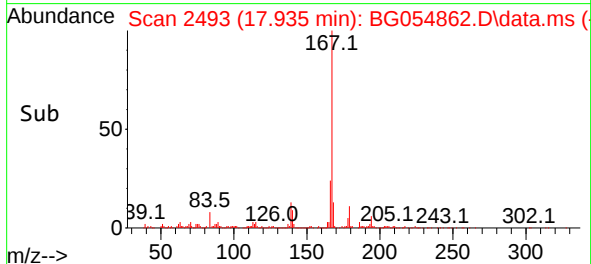
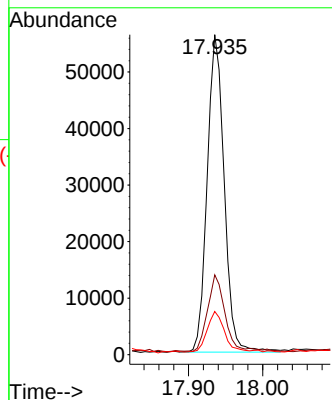
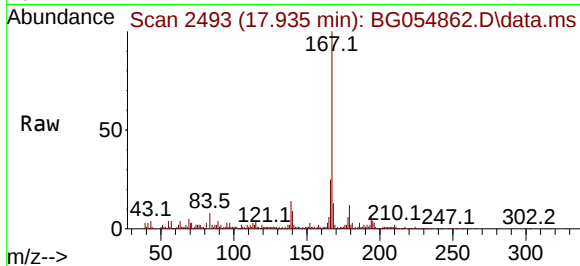




#73
 Carbazole
 Concen: 7.071 ng
 RT: 17.935 min Scan# 2492
 Delta R.T. 0.005 min
 Lab File: BG054862.D
 Acq: 6 Sep 2022 22:06

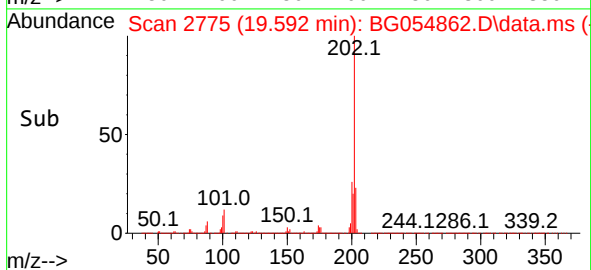
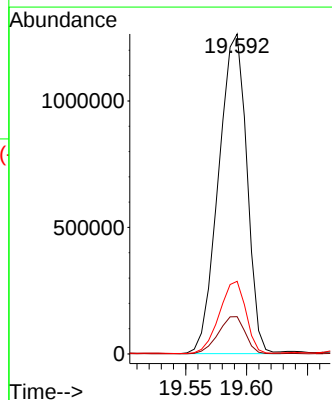
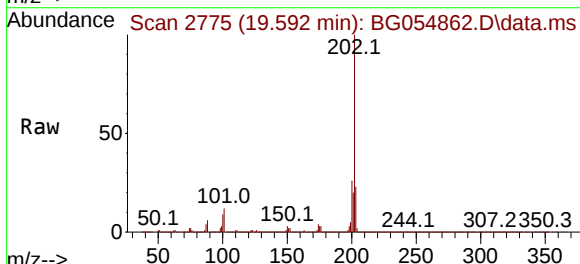
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-090222

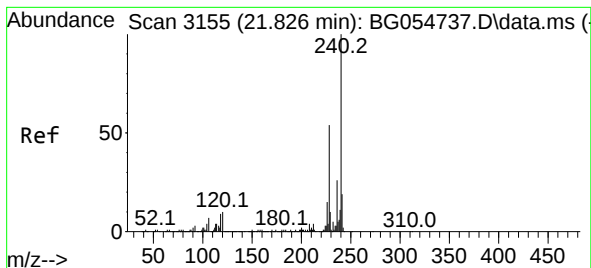
Tgt Ion:167 Resp: 89555
 Ion Ratio Lower Upper
 167 100
 166 24.9 18.8 28.2
 139 13.5 10.2 15.4



#75
 Fluoranthene
 Concen: 118.593 ng
 RT: 19.592 min Scan# 2775
 Delta R.T. 0.011 min
 Lab File: BG054862.D
 Acq: 6 Sep 2022 22:06

Tgt Ion:202 Resp: 2039791
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 31.4
 203 22.7 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.837 min Scan# 31

Delta R.T. 0.011 min

Lab File: BG054862.D

Acq: 6 Sep 2022 22:06

Instrument :

BNA_G

ClientSampleId :

CL-02-090222

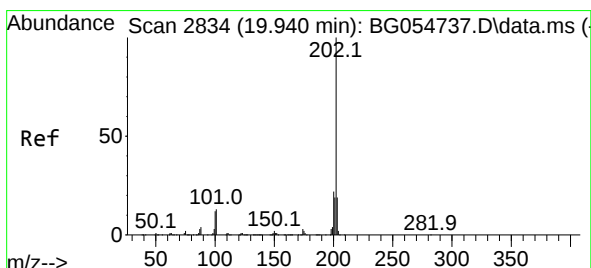
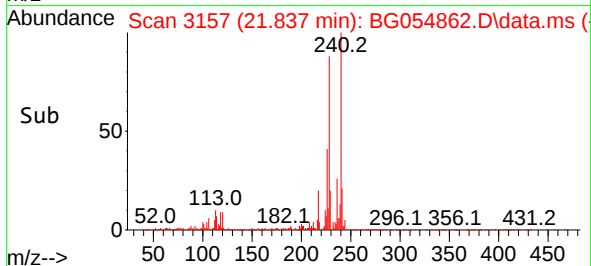
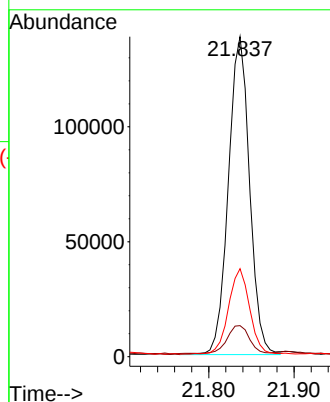
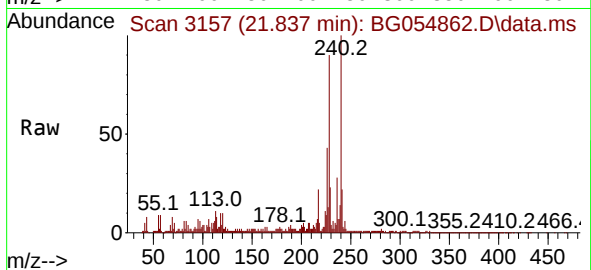
Tgt Ion:240 Resp: 238932

Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.4

236 27.5 21.2 31.8



#78

Pyrene

Concen: 9.527 ng

RT: 19.733 min Scan# 2799

Delta R.T. -0.206 min

Lab File: BG054862.D

Acq: 6 Sep 2022 22:06

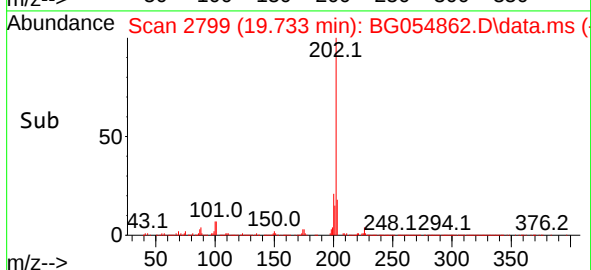
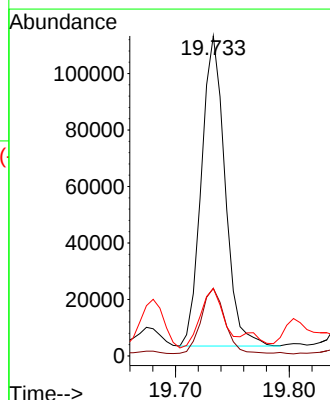
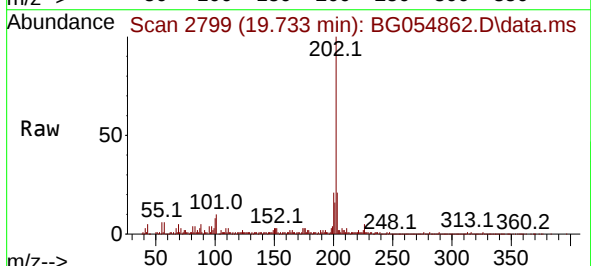
Tgt Ion:202 Resp: 158729

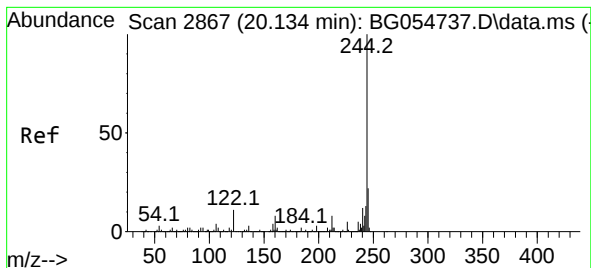
Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

203 21.1 14.6 21.8





#79

Terphenyl-d14

Concen: 74.906 ng

RT: 20.133 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG054862.D

Acq: 6 Sep 2022 22:06

Instrument :

BNA_G

ClientSampleId :

CL-02-090222

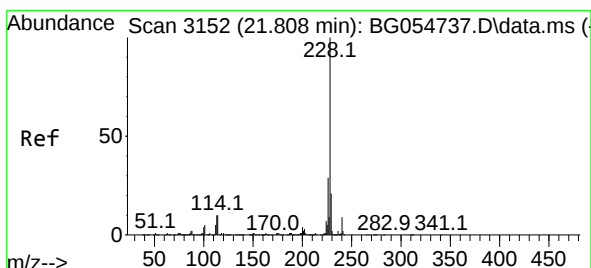
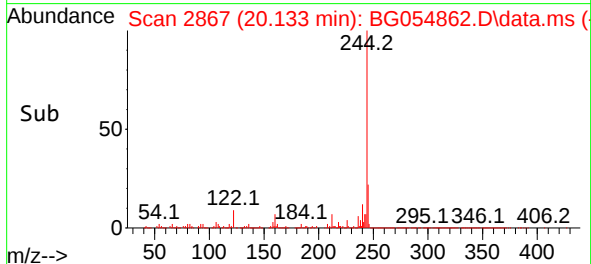
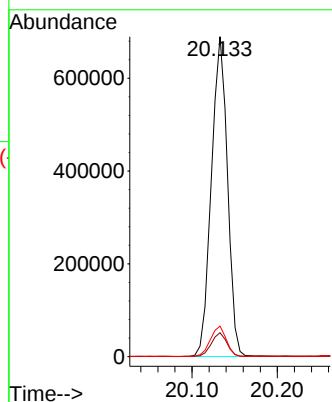
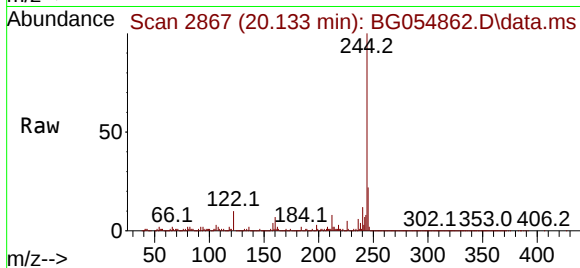
Tgt Ion:244 Resp: 903276

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 9.6 9.0 13.6



#81

Benzo(a)anthracene

Concen: 62.273 ng

RT: 21.813 min Scan# 3153

Delta R.T. 0.005 min

Lab File: BG054862.D

Acq: 6 Sep 2022 22:06

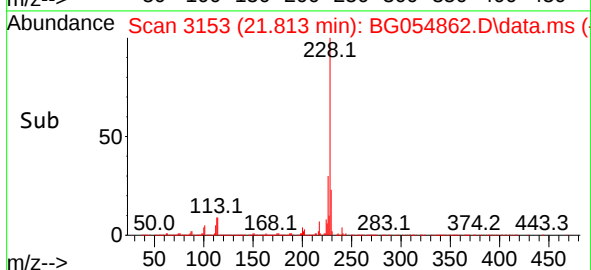
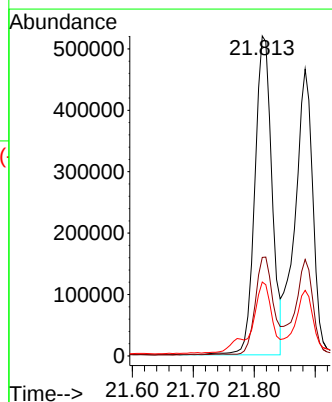
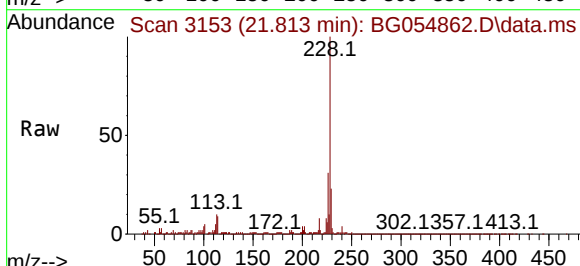
Tgt Ion:228 Resp: 1008843

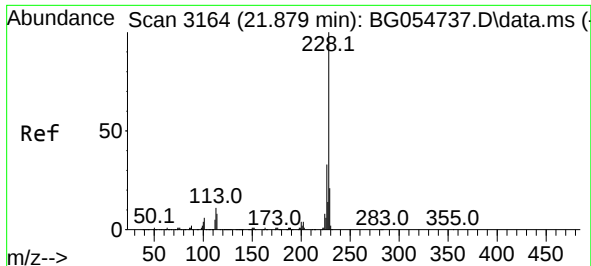
Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

229 23.1 16.5 24.7

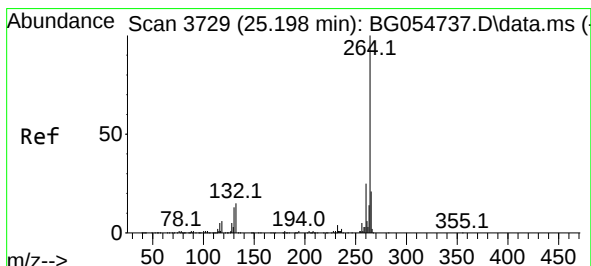
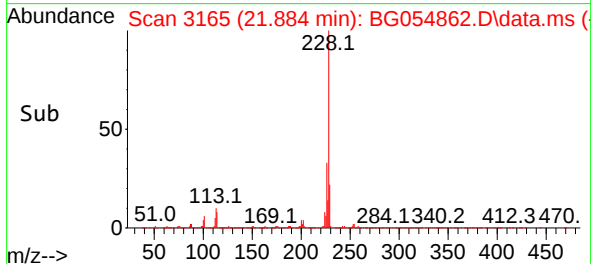
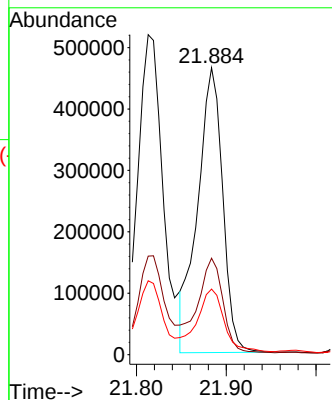
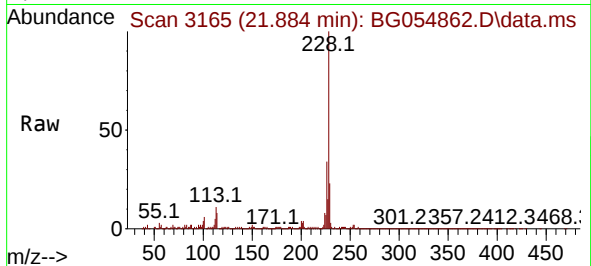




#83
Chrysene
Concen: 58.162 ng
RT: 21.884 min Scan# 3165
Delta R.T. 0.005 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

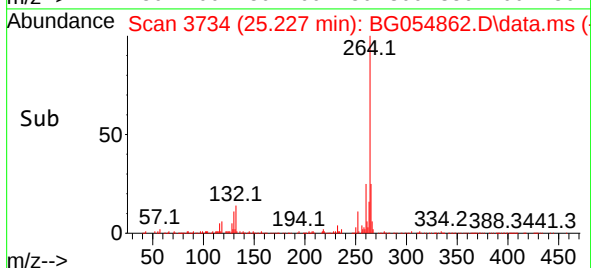
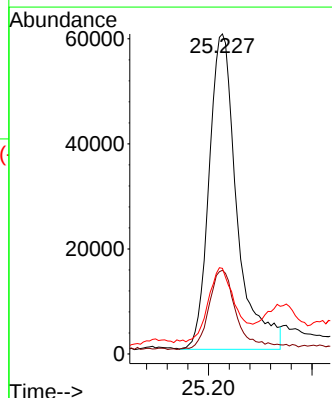
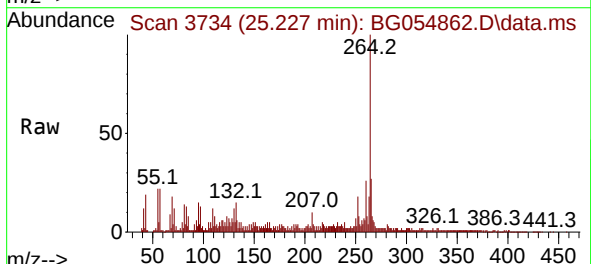
Instrument :
BNA_G
ClientSampleId :
CL-02-090222

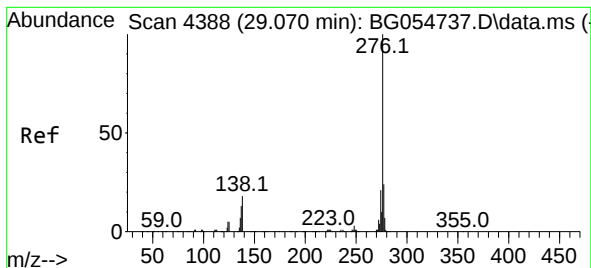
Tgt Ion:228 Resp: 900912
Ion Ratio Lower Upper
228 100
226 33.6 25.5 38.3
229 22.9 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.227 min Scan# 3734
Delta R.T. 0.029 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

Tgt Ion:264 Resp: 224378
Ion Ratio Lower Upper
264 100
260 26.2 19.9 29.9
265 26.8 16.9 25.3#





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.011 ng

RT: 29.134 min Scan# 41

Delta R.T. 0.064 min

Lab File: BG054862.D

Acq: 6 Sep 2022 22:06

Instrument :

BNA_G

ClientSampleId :

CL-02-090222

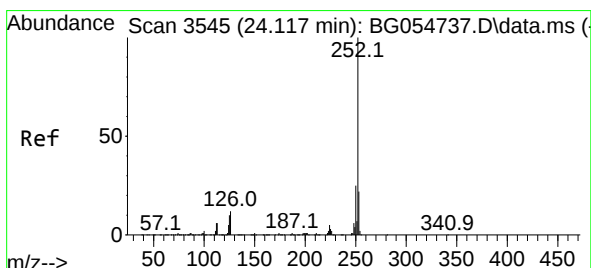
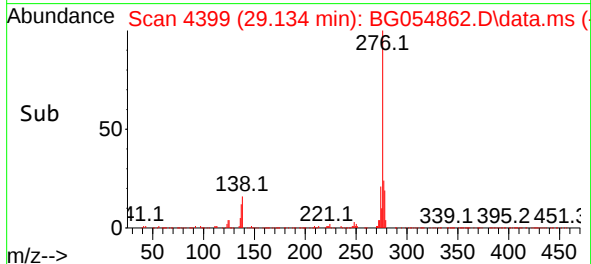
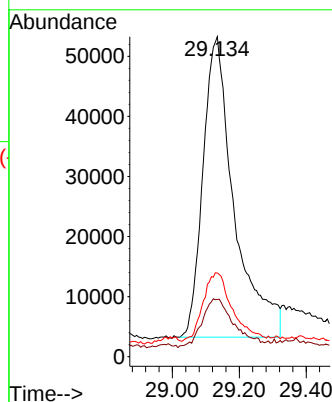
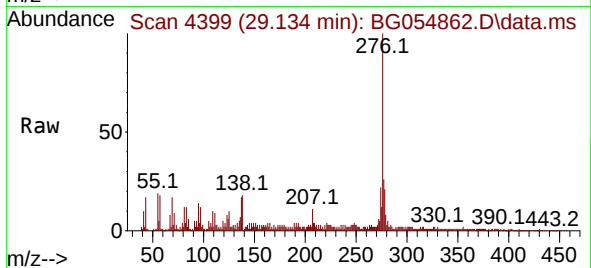
Tgt Ion:276 Resp: 323839

Ion Ratio Lower Upper

276 100

138 16.8 12.0 18.0

277 21.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 73.383 ng

RT: 24.152 min Scan# 3551

Delta R.T. 0.034 min

Lab File: BG054862.D

Acq: 6 Sep 2022 22:06

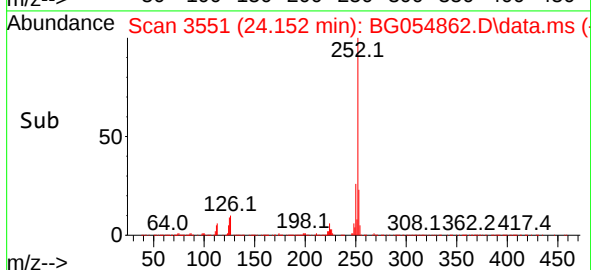
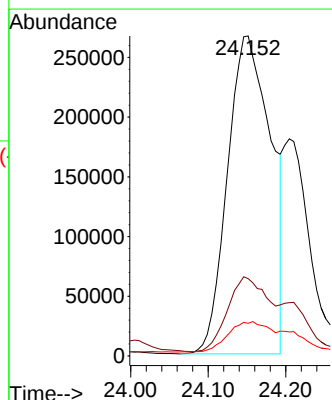
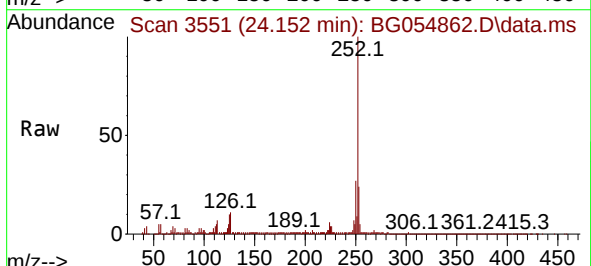
Tgt Ion:252 Resp: 1032894

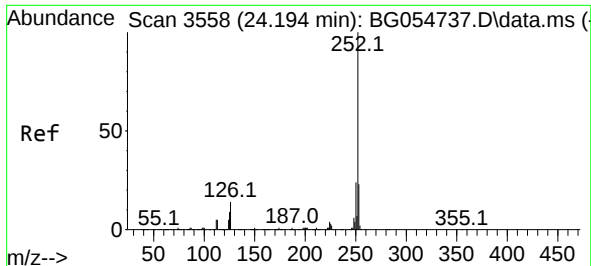
Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

125 10.2 8.1 12.1

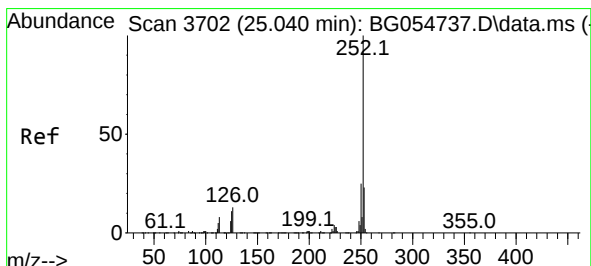
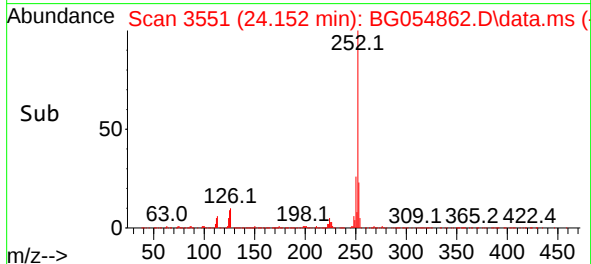
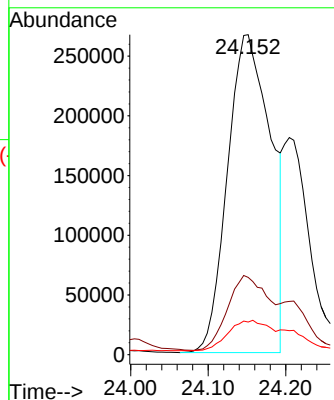
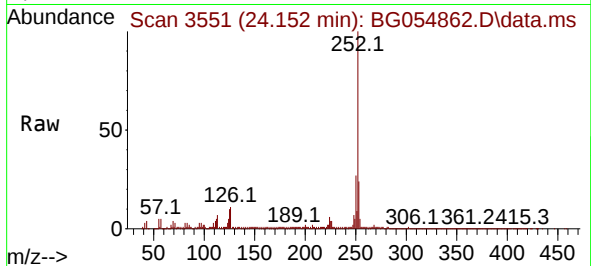




#89
Benzo(k)fluoranthene
Concen: 72.916 ng
RT: 24.152 min Scan# 31
Delta R.T. -0.042 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

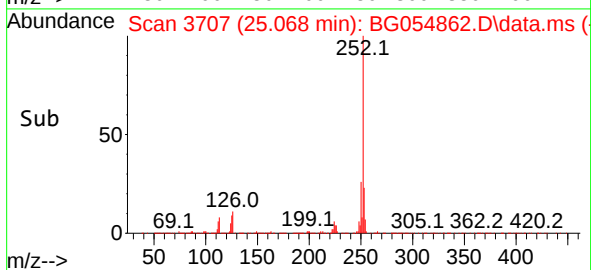
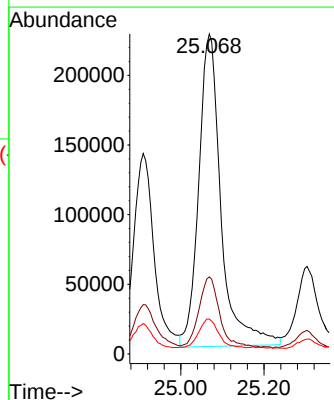
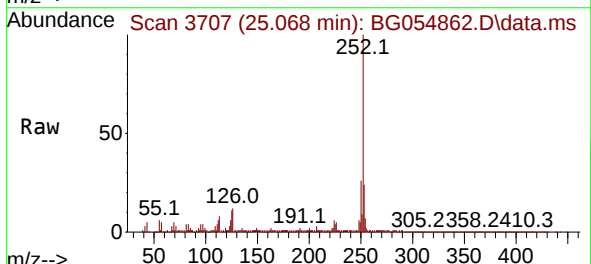
Instrument :
BNA_G
ClientSampleId :
CL-02-090222

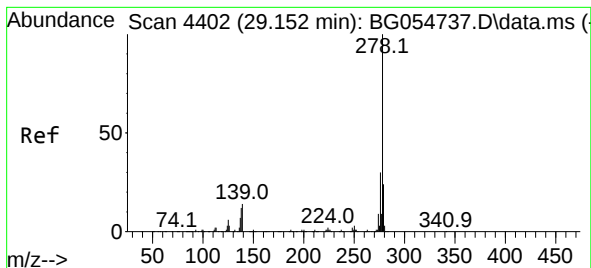
Tgt Ion:252 Resp: 1032894
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 10.2 8.2 12.4



#90
Benzo(a)pyrene
Concen: 69.586 ng
RT: 25.068 min Scan# 3707
Delta R.T. 0.029 min
Lab File: BG054862.D
Acq: 6 Sep 2022 22:06

Tgt Ion:252 Resp: 836804
Ion Ratio Lower Upper
252 100
253 24.1 18.3 27.5
125 10.9 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 5.506 ng

RT: 29.181 min Scan# 4407

Delta R.T. 0.029 min

Lab File: BG054862.D

Acq: 6 Sep 2022 22:06

Instrument :

BNA_G

ClientSampleId :

CL-02-090222

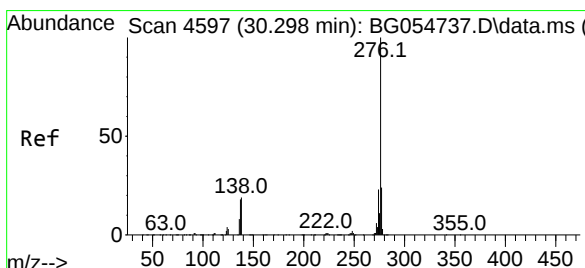
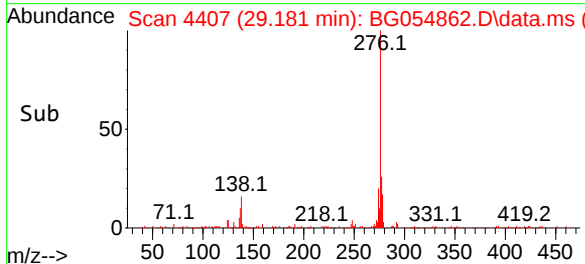
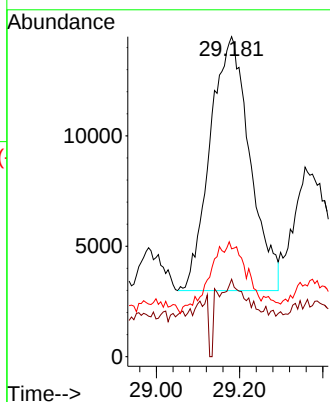
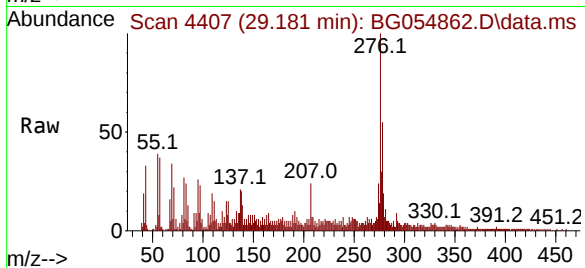
Tgt Ion:278 Resp: 76405

Ion Ratio Lower Upper

278 100

139 24.2 11.4 17.2#

279 33.7 19.3 28.9#



#92

Benzo(g,h,i)perylene

Concen: 19.043 ng

RT: 30.356 min Scan# 4607

Delta R.T. 0.058 min

Lab File: BG054862.D

Acq: 6 Sep 2022 22:06

Tgt Ion:276 Resp: 266971

Ion Ratio Lower Upper

276 100

277 26.7 19.4 29.0

138 18.3 16.6 25.0

