

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
 Data File : BG054861.D
 Acq On : 6 Sep 2022 21:24
 Operator : CG/JU
 Sample : N4451-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP1

Quant Time: Sep 07 05:01:14 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)

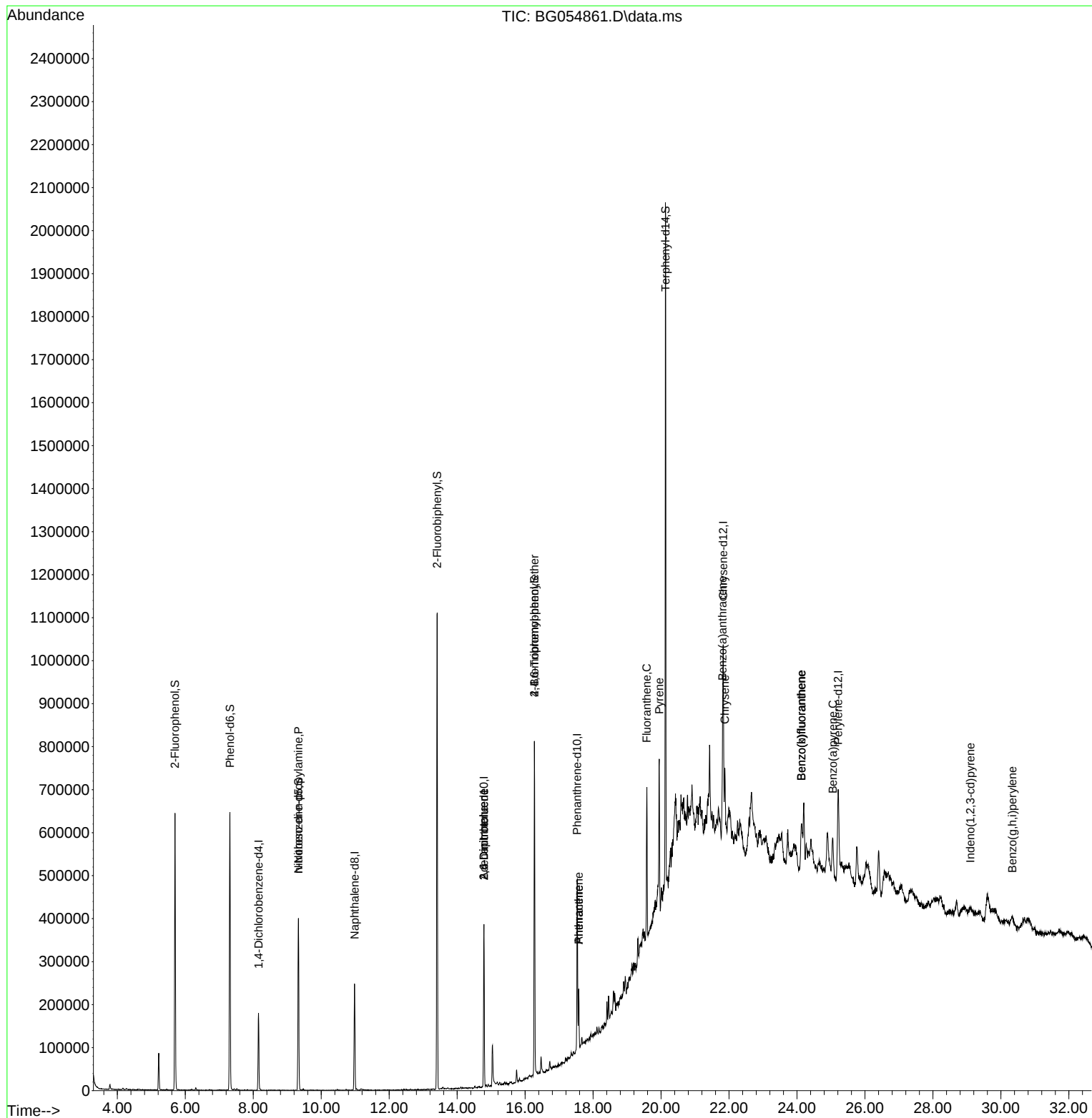
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	55204	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	221007	20.000	ng	# 0.00
39) Acenaphthene-d10	14.787	164	137911	20.000	ng	0.00
64) Phenanthrene-d10	17.531	188	272966	20.000	ng	0.00
76) Chrysene-d12	21.826	240	249454	20.000	ng	0.00
86) Perylene-d12	25.210	264	258191	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	305169	96.263	ng	0.01
7) Phenol-d6	7.313	99	416892	96.159	ng	0.02
23) Nitrobenzene-d5	9.328	82	255352	60.654	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	170432	98.899	ng	0.00
45) 2-Fluorobiphenyl	13.412	172	621919	67.779	ng	0.00
79) Terphenyl-d14	20.133	244	818672	65.026	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.328	70	31795	10.665	ng	# 80
51) 2,6-Dinitrotoluene	14.787	165	18650	8.582	ng	# 21
57) 2,4-Dinitrotoluene	14.787	165	18650	6.204	ng	# 19
67) 4-Bromophenyl-phenylether	16.273	248	11082	3.698	ng	# 1
71) Phenanthrene	17.578	178	88622	6.095	ng	98
72) Anthracene	17.578	178	88622	6.269	ng	98
75) Fluoranthene	19.581	202	219882	12.430	ng	98
78) Pyrene	19.945	202	230960	13.278	ng	98
81) Benzo(a)anthracene	21.808	228	120684	7.135	ng	97
83) Chrysene	21.878	228	124154	7.677	ng	96
87) Indeno(1,2,3-cd)pyrene	29.105	276	58345	2.977	ng	# 86
88) Benzo(b)fluoranthene	24.129	252	149192	9.211	ng	# 88
89) Benzo(k)fluoranthene	24.129	252	149192	9.153	ng	# 88
90) Benzo(a)pyrene	25.051	252	112321	8.117	ng	# 89
92) Benzo(g,h,i)perylene	30.333	276	48251	2.991	ng	# 87

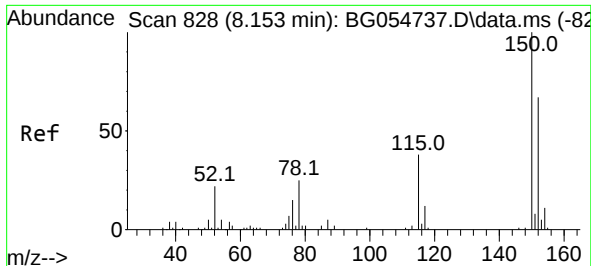
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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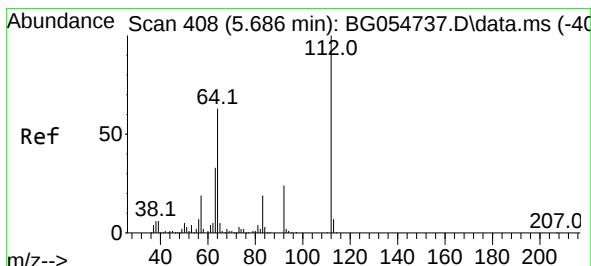
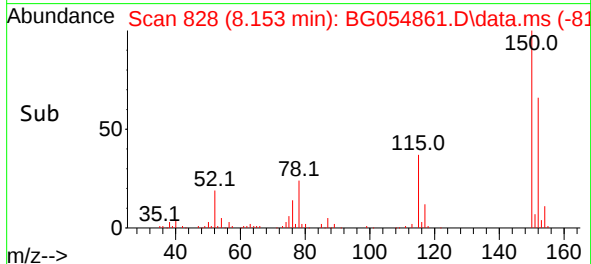
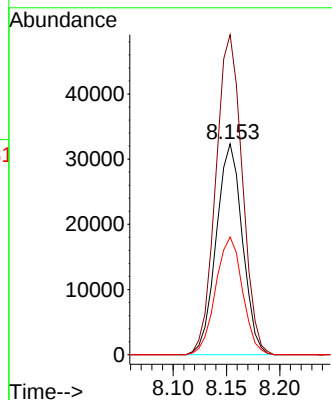
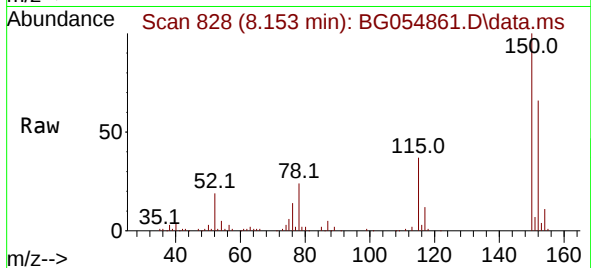




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

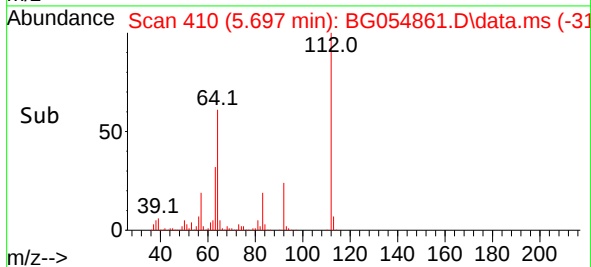
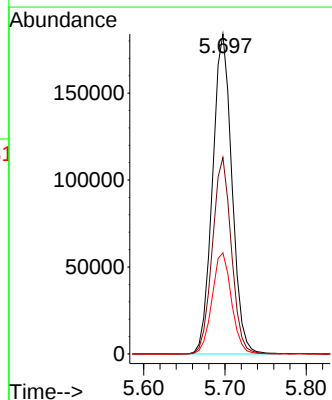
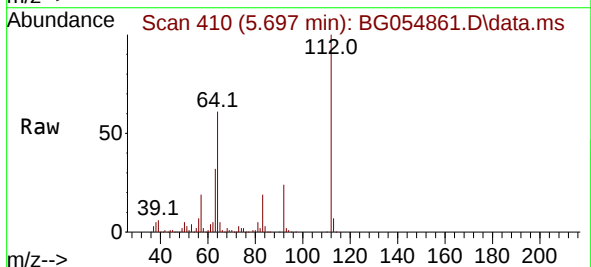
Instrument :
BNA_G
ClientSampleId :
TP1

Tgt Ion:152 Resp: 55204
Ion Ratio Lower Upper
152 100
150 151.8 125.2 187.8
115 55.8 47.9 71.9



#5
2-Fluorophenol
Concen: 96.263 ng
RT: 5.697 min Scan# 410
Delta R.T. 0.012 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

Tgt Ion:112 Resp: 305169
Ion Ratio Lower Upper
112 100
64 61.4 49.3 73.9
63 31.6 26.3 39.5

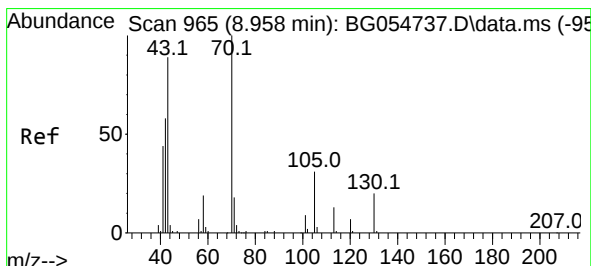
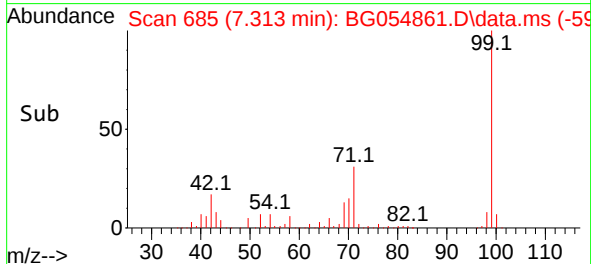
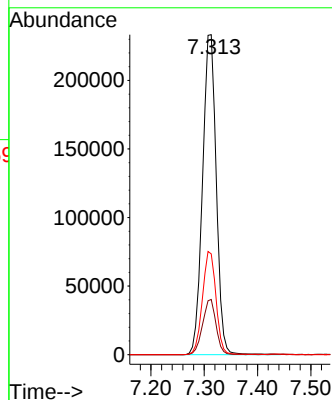
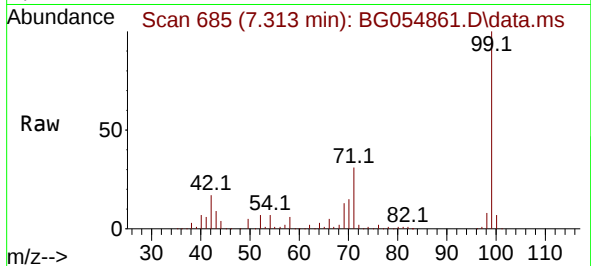




#7
Phenol-d6
Concen: 96.159 ng
RT: 7.313 min Scan# 61
Delta R.T. 0.017 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

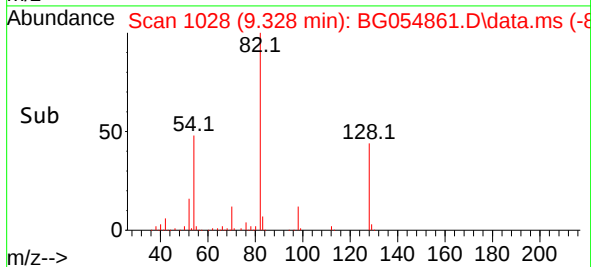
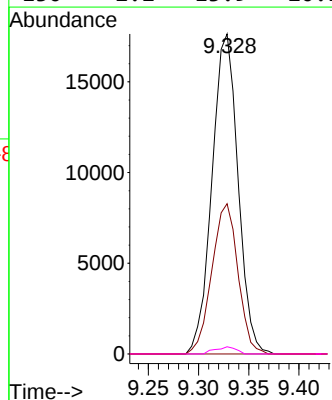
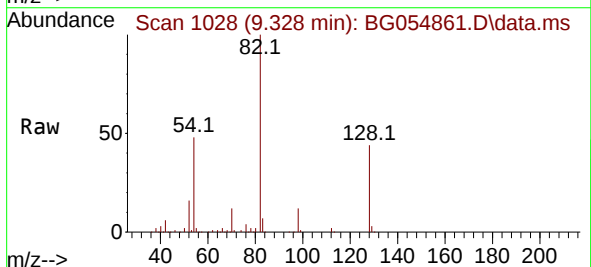
Instrument :
BNA_G
ClientSampleId :
TP1

Tgt Ion: 99 Resp: 416892
Ion Ratio Lower Upper
99 100
42 17.2 14.6 22.0
71 31.5 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.665 ng
RT: 9.328 min Scan# 1028
Delta R.T. 0.370 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

Tgt Ion: 70 Resp: 31795
Ion Ratio Lower Upper
70 100
42 46.9 46.6 69.8
101 0.0 7.7 11.5#
130 2.2 13.9 20.9#

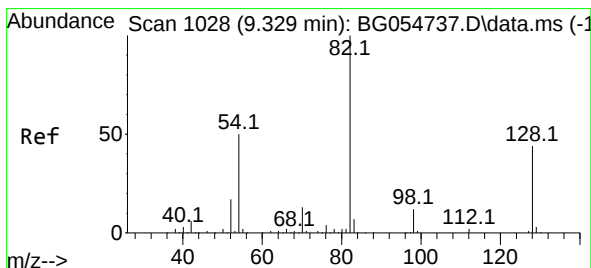
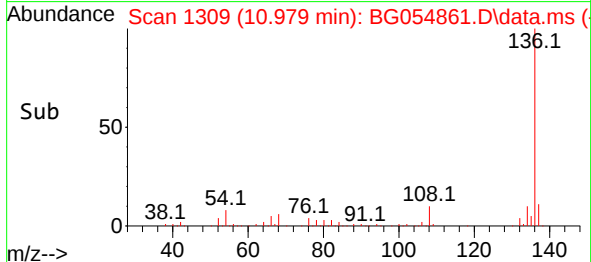
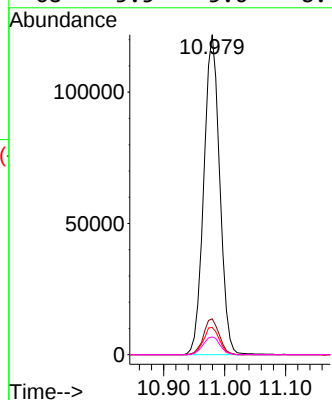
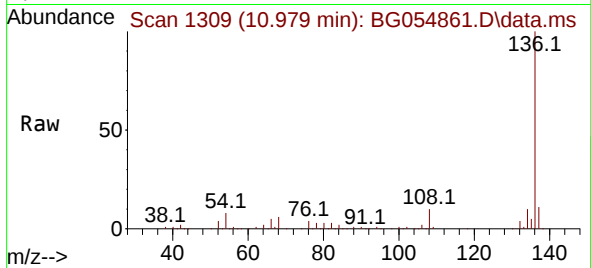




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1309
Delta R.T. -0.001 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

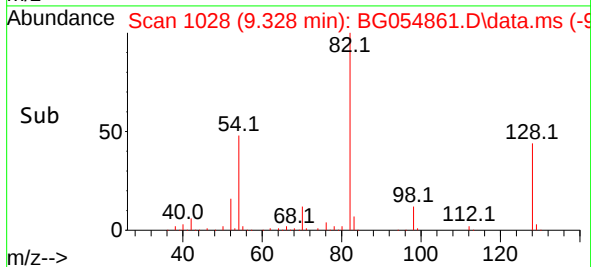
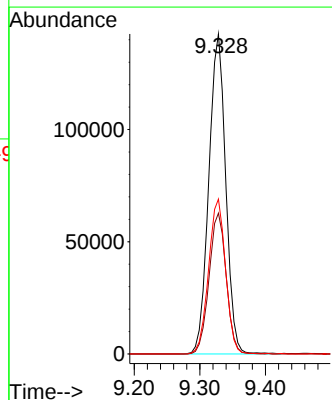
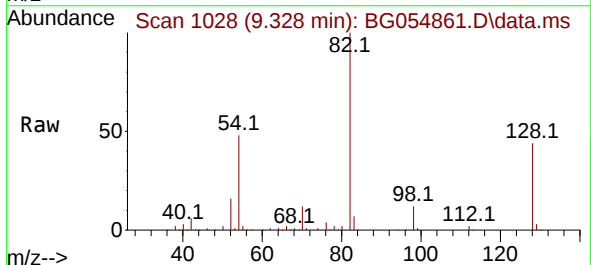
Instrument :
BNA_G
ClientSampleId :
TP1

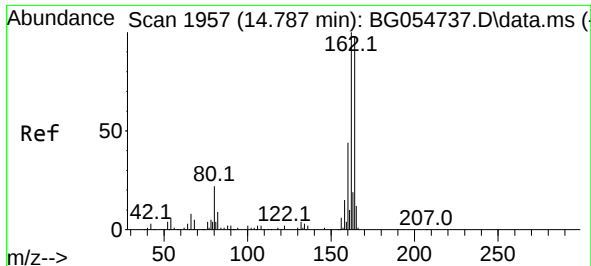
Tgt Ion:136 Resp: 221007
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.5 7.7 11.5
68 5.5 5.6 8.4#



#23
Nitrobenzene-d5
Concen: 60.654 ng
RT: 9.328 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

Tgt Ion: 82 Resp: 255352
Ion Ratio Lower Upper
82 100
128 44.0 32.2 48.2
54 48.4 41.4 62.0

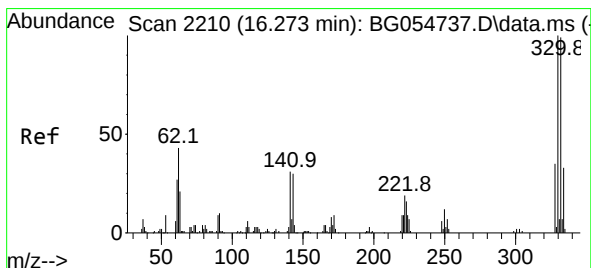
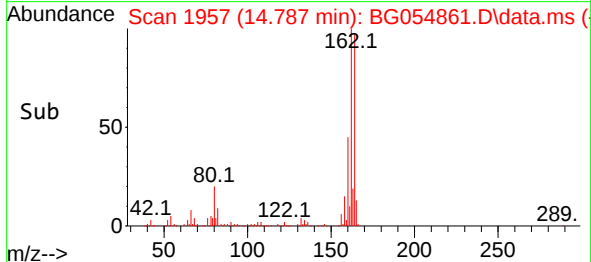
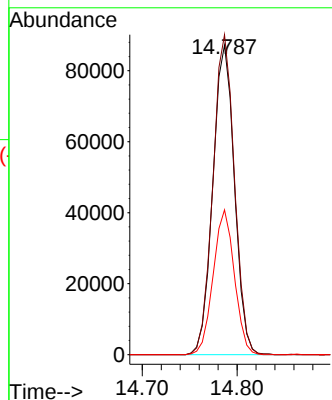
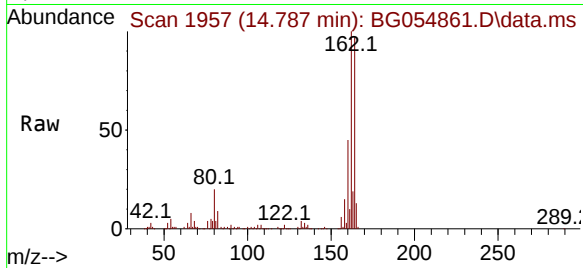




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.787 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

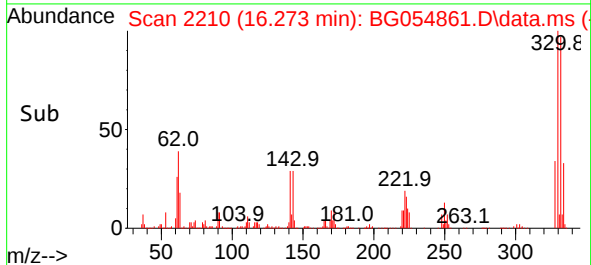
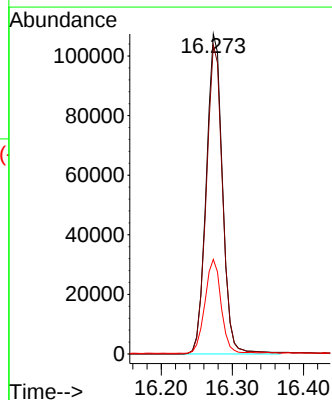
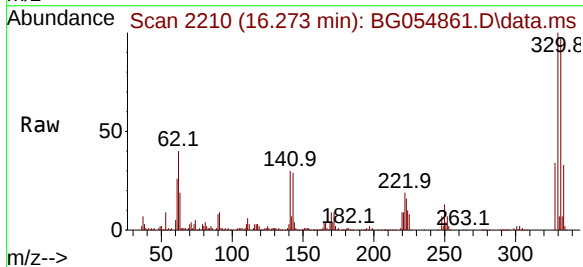
Instrument :
BNA_G
ClientSampleId :
TP1

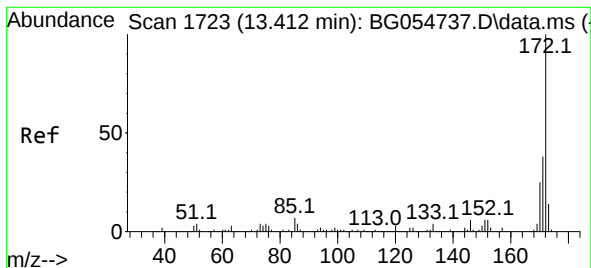
Tgt Ion:164 Resp: 137911
Ion Ratio Lower Upper
164 100
162 103.3 83.0 124.4
160 46.8 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 98.899 ng
RT: 16.273 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

Tgt Ion:330 Resp: 170432
Ion Ratio Lower Upper
330 100
332 96.6 79.8 119.6
141 29.3 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 67.779 ng

RT: 13.412 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG054861.D

Acq: 6 Sep 2022 21:24

Instrument :

BNA_G

ClientSampleId :

TP1

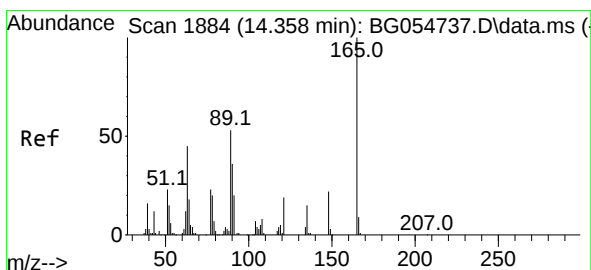
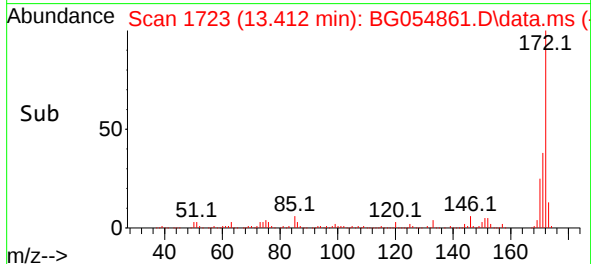
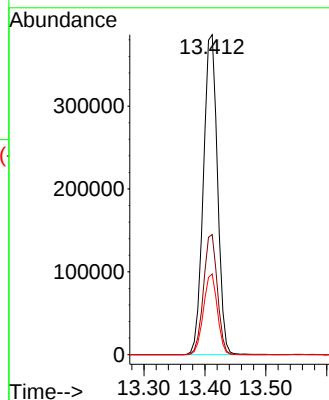
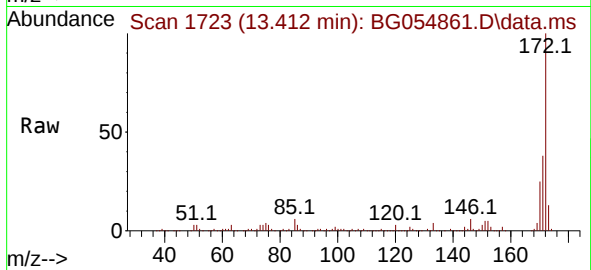
Tgt Ion:172 Resp: 621919

Ion Ratio Lower Upper

172 100

171 37.5 31.2 46.8

170 25.2 20.6 30.8



#51

2,6-Dinitrotoluene

Concen: 8.582 ng

RT: 14.787 min Scan# 1957

Delta R.T. 0.429 min

Lab File: BG054861.D

Acq: 6 Sep 2022 21:24

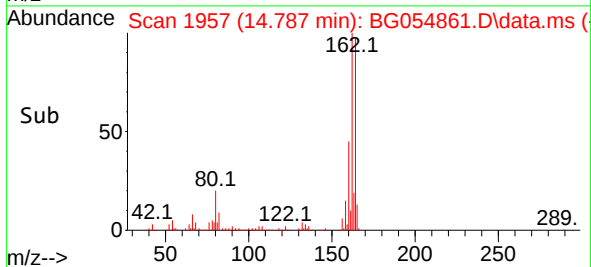
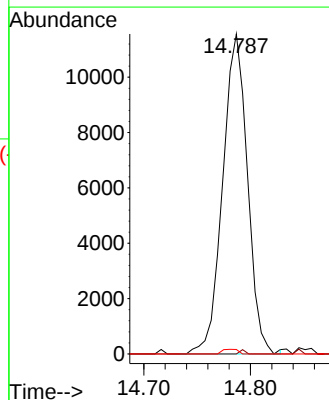
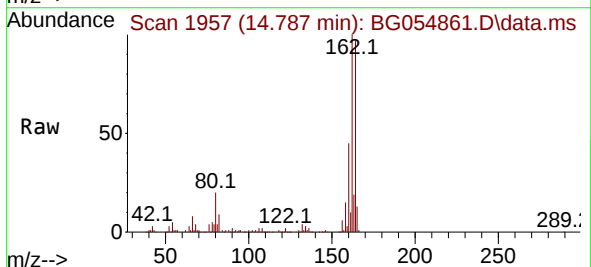
Tgt Ion:165 Resp: 18650

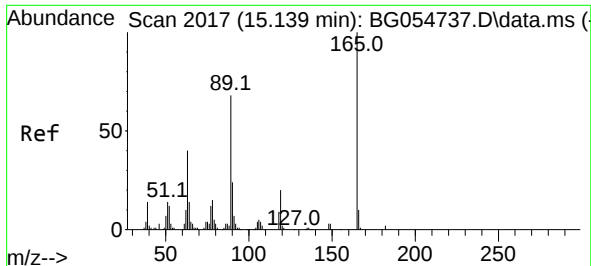
Ion Ratio Lower Upper

165 100

63 0.0 46.0 69.0#

89 1.4 50.3 75.5#

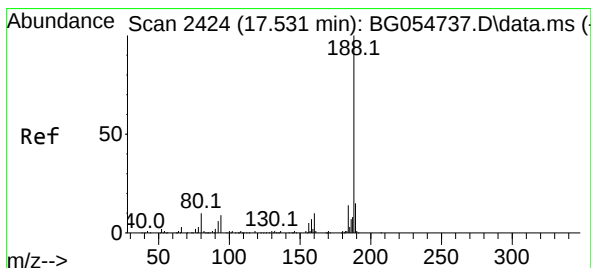
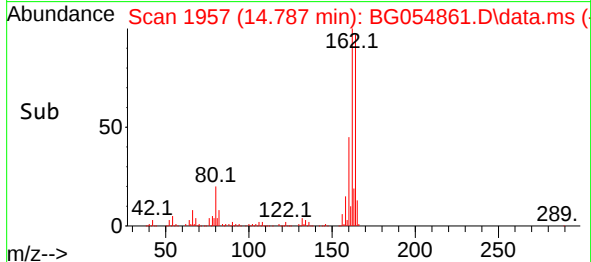
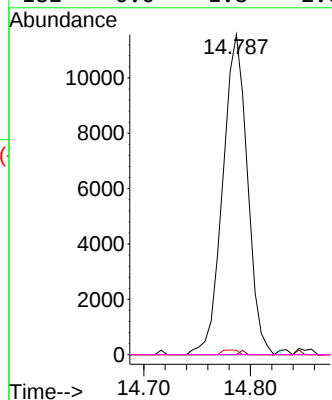
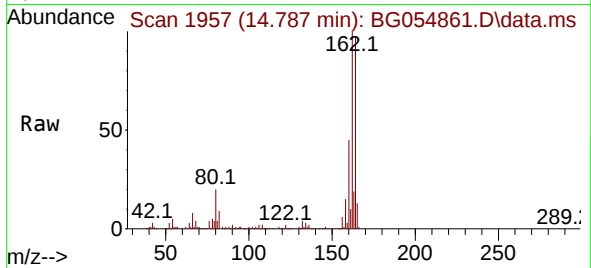




#57
2,4-Dinitrotoluene
Concen: 6.204 ng
RT: 14.787 min Scan# 1957
Delta R.T. -0.353 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

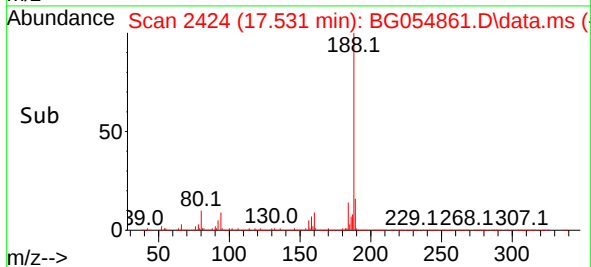
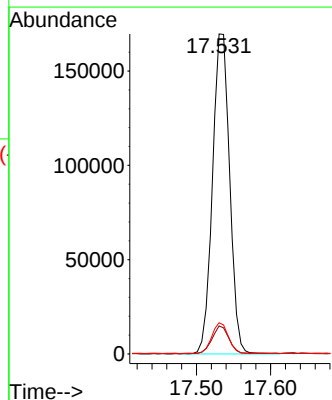
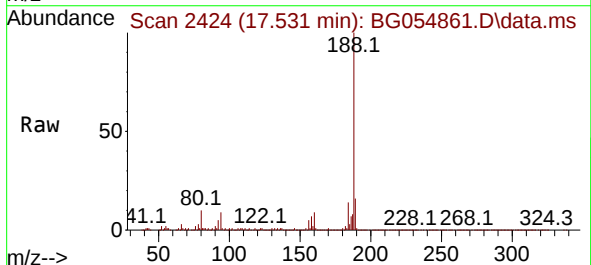
Instrument :
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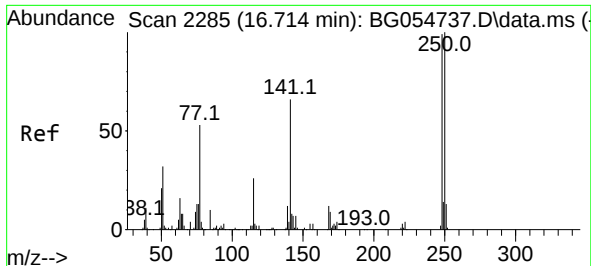
Tgt Ion:165 Resp: 18650
Ion Ratio Lower Upper
165 100
63 0.0 36.8 55.2#
89 1.4 64.3 96.5#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.531 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

Tgt Ion:188 Resp: 272966
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.4
80 9.7 7.9 11.9

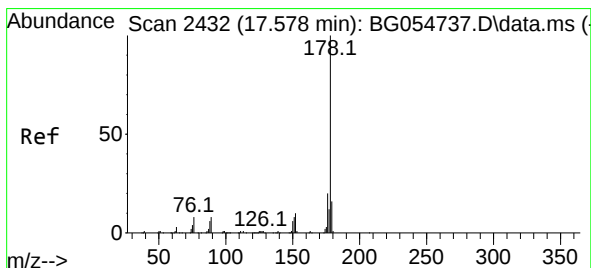
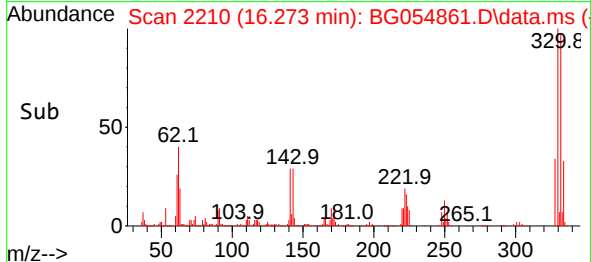
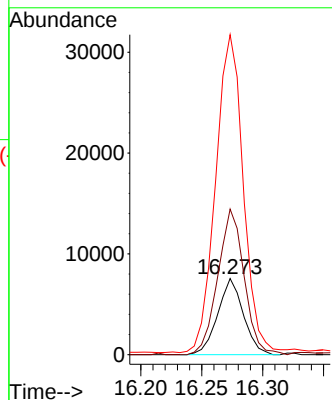
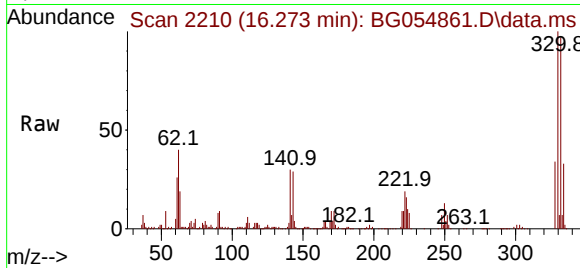




#67
4-Bromophenyl-phenylether
Concen: 3.698 ng
RT: 16.273 min Scan# 211
Delta R.T. -0.441 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

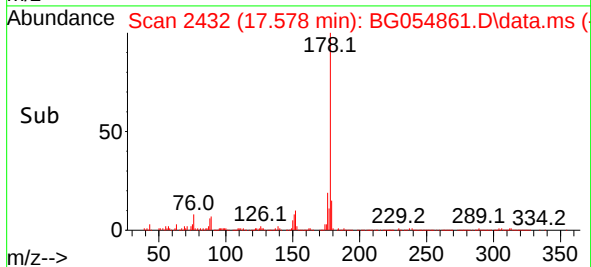
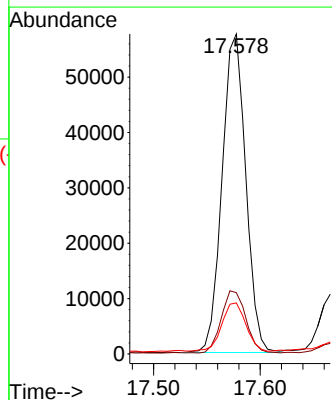
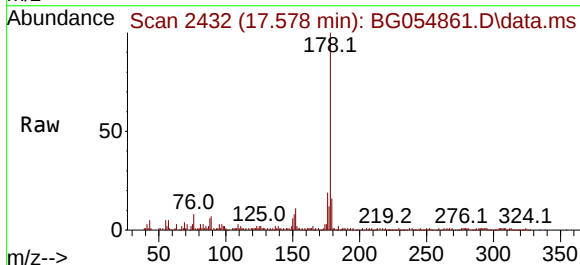
Instrument :
BNA_G
ClientSampleId :
TP1

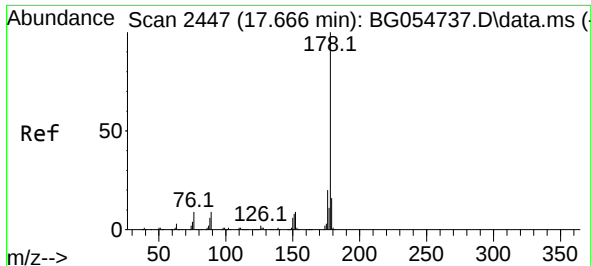
Tgt Ion:248 Resp: 11082
Ion Ratio Lower Upper
248 100
250 191.2 78.8 118.2#
141 420.4 51.9 77.9#



#71
Phenanthrene
Concen: 6.095 ng
RT: 17.578 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

Tgt Ion:178 Resp: 88622
Ion Ratio Lower Upper
178 100
176 19.2 16.6 25.0
179 16.0 12.8 19.2

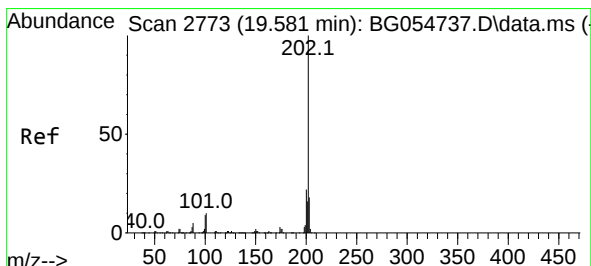
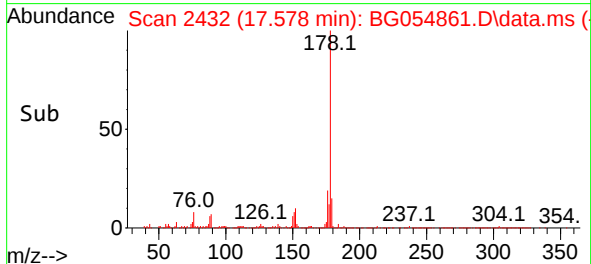
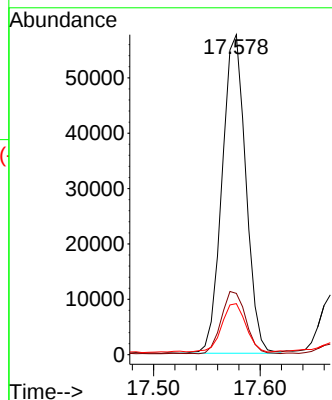
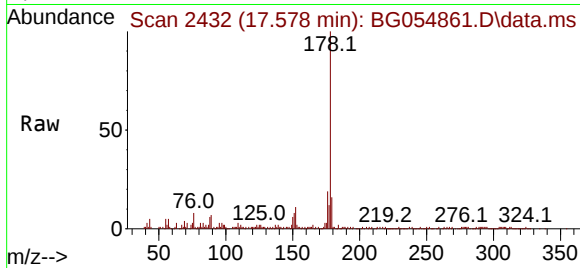




#72
 Anthracene
 Concen: 6.269 ng
 RT: 17.578 min Scan# 2447
 Delta R.T. -0.088 min
 Lab File: BG054861.D
 Acq: 6 Sep 2022 21:24

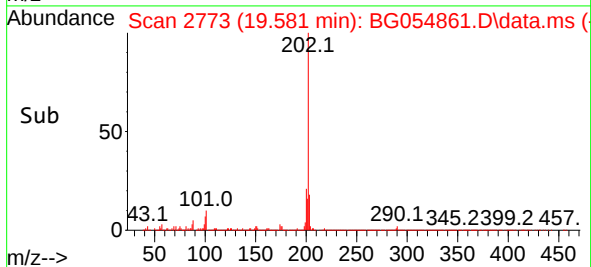
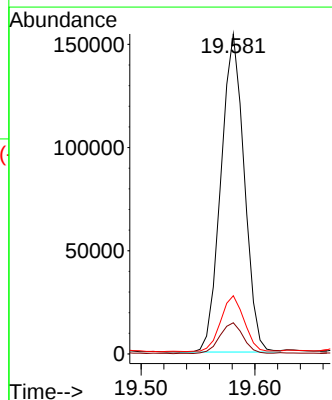
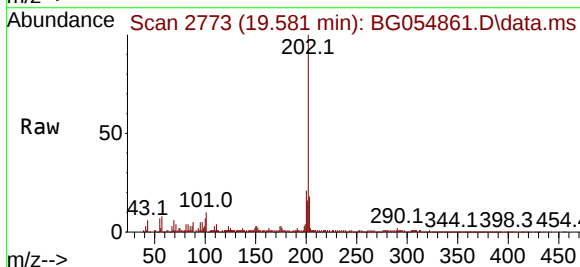
Instrument :
 BNA_G
 ClientSampleId :
 TP1

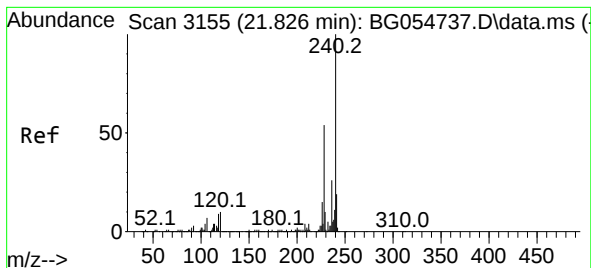
Tgt Ion:178 Resp: 88622
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 16.0 12.9 19.3



#75
 Fluoranthene
 Concen: 12.430 ng
 RT: 19.581 min Scan# 2773
 Delta R.T. -0.000 min
 Lab File: BG054861.D
 Acq: 6 Sep 2022 21:24

Tgt Ion:202 Resp: 219882
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.4
 203 18.2 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.826 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG054861.D

Acq: 6 Sep 2022 21:24

Instrument :

BNA_G

ClientSampleId :

TP1

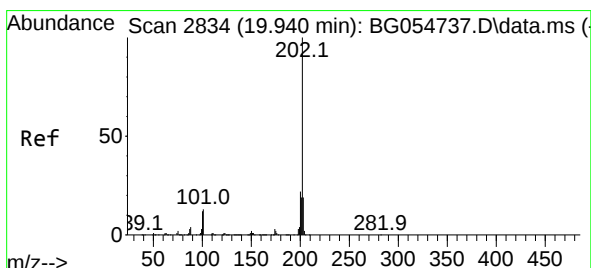
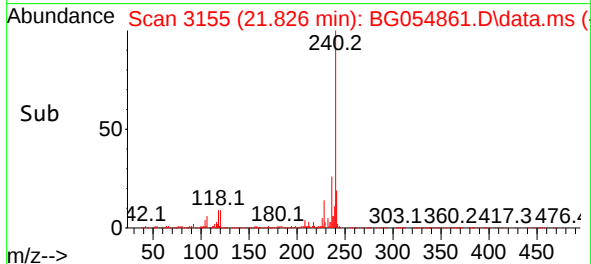
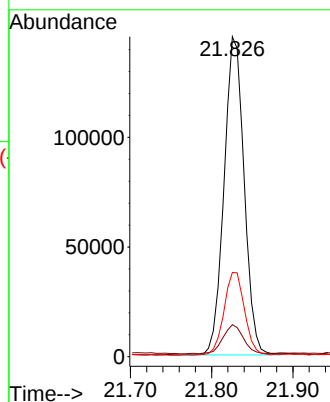
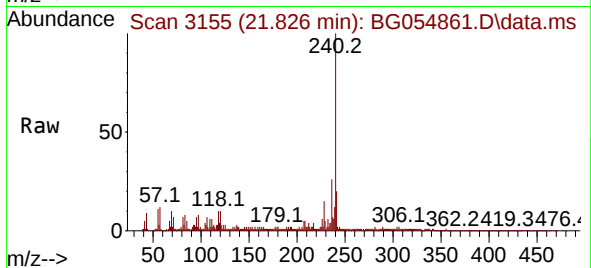
Tgt Ion:240 Resp: 249454

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.4

236 26.3 21.2 31.8



#78

Pyrene

Concen: 13.278 ng

RT: 19.945 min Scan# 2835

Delta R.T. 0.006 min

Lab File: BG054861.D

Acq: 6 Sep 2022 21:24

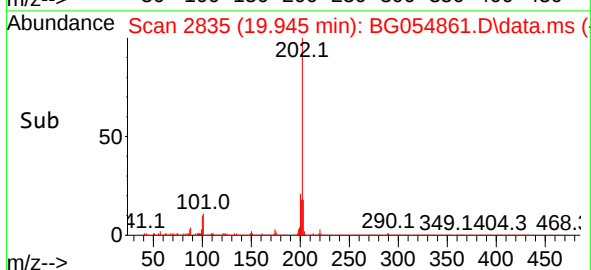
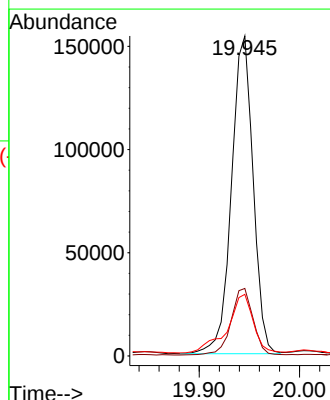
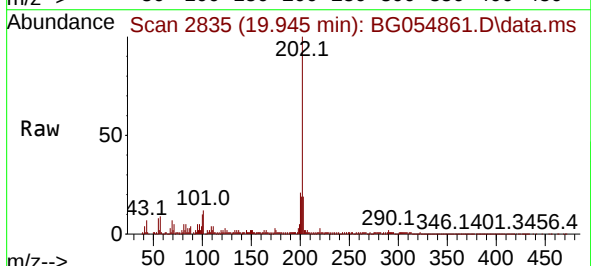
Tgt Ion:202 Resp: 230960

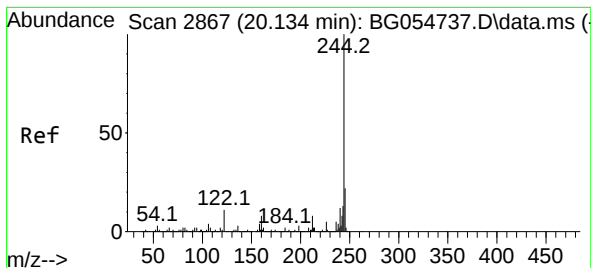
Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

203 19.2 14.6 21.8





#79

Terphenyl-d14

Concen: 65.026 ng

RT: 20.133 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG054861.D

Acq: 6 Sep 2022 21:24

Instrument :

BNA_G

ClientSampleId :

TP1

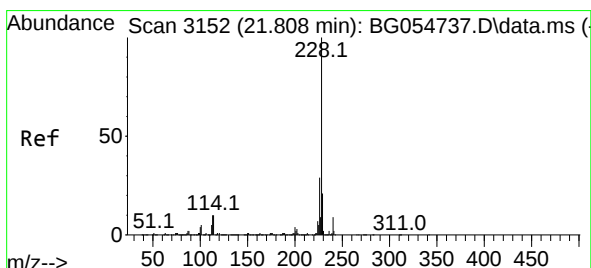
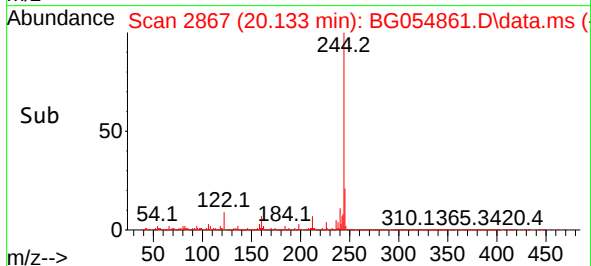
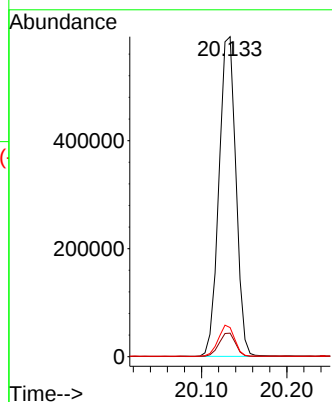
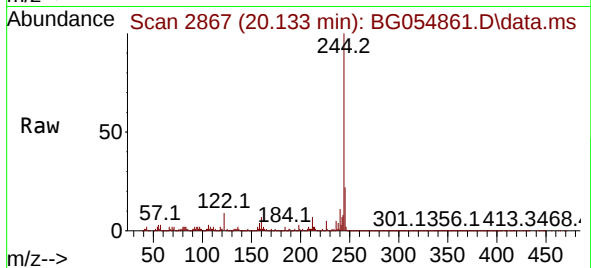
Tgt Ion:244 Resp: 818672

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 9.1 9.0 13.6



#81

Benzo(a)anthracene

Concen: 7.135 ng

RT: 21.808 min Scan# 3152

Delta R.T. -0.000 min

Lab File: BG054861.D

Acq: 6 Sep 2022 21:24

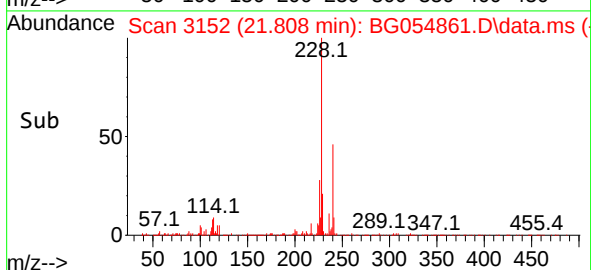
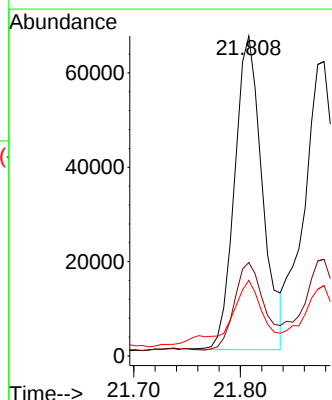
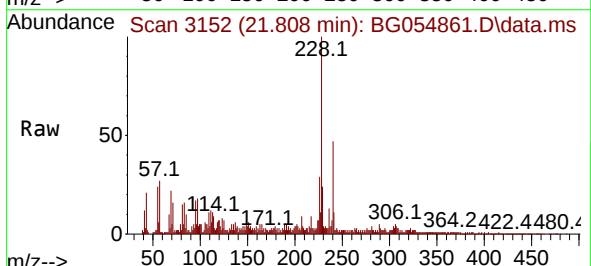
Tgt Ion:228 Resp: 120684

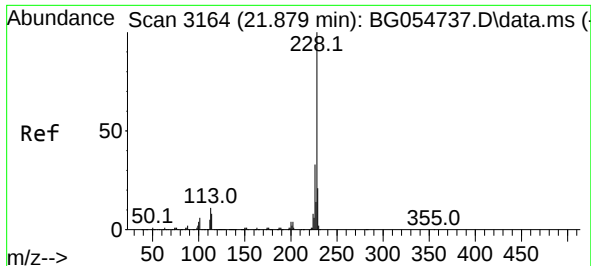
Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.2

229 23.6 16.5 24.7

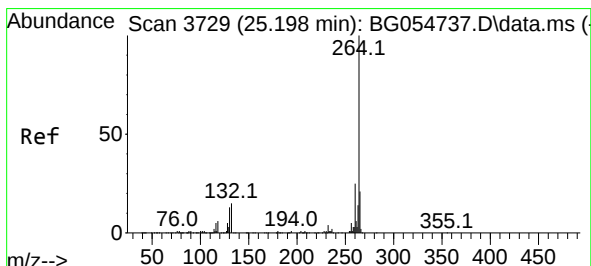
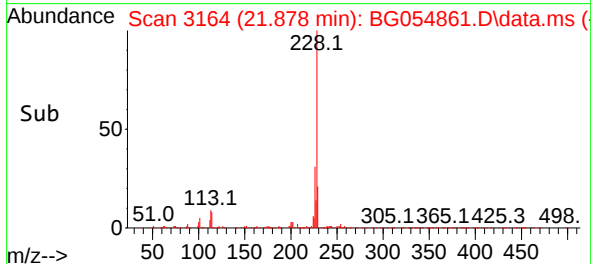
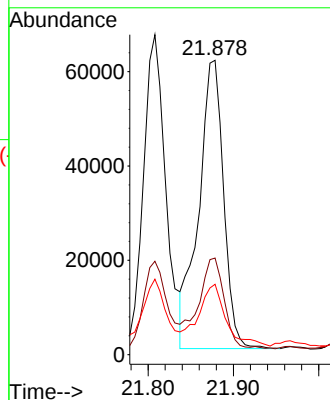
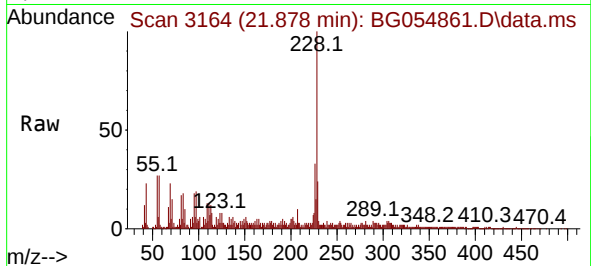




#83
Chrysene
Concen: 7.677 ng
RT: 21.878 min Scan# 3164
Delta R.T. -0.000 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

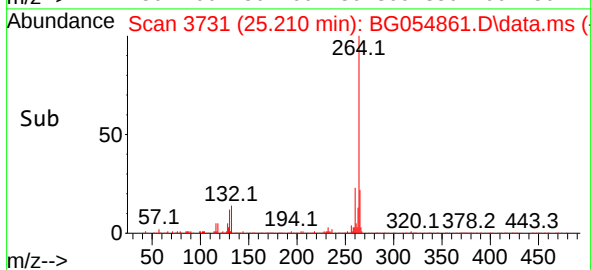
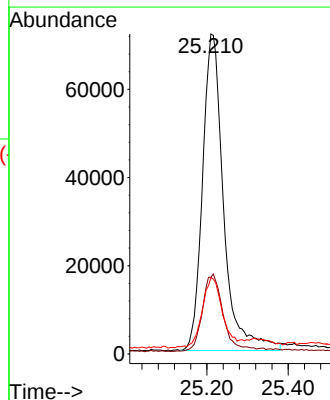
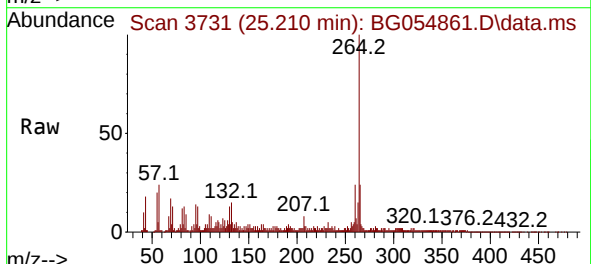
Instrument :
BNA_G
ClientSampleId :
TP1

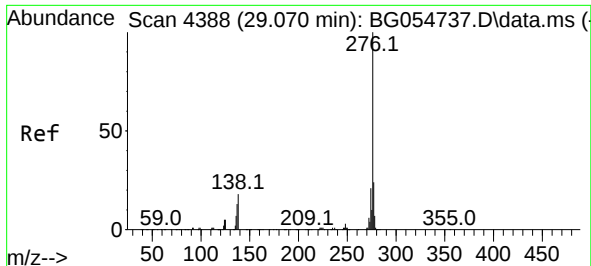
Tgt Ion:228 Resp: 124154
Ion Ratio Lower Upper
228 100
226 32.8 25.5 38.3
229 23.9 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.210 min Scan# 3731
Delta R.T. 0.012 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

Tgt Ion:264 Resp: 258191
Ion Ratio Lower Upper
264 100
260 24.0 19.9 29.9
265 23.9 16.9 25.3

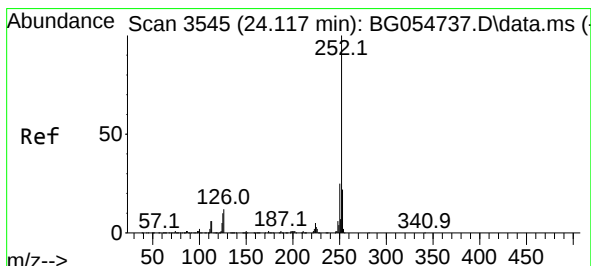
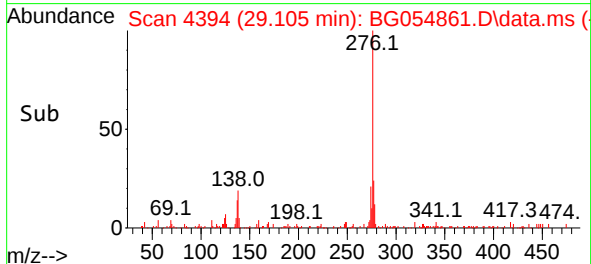
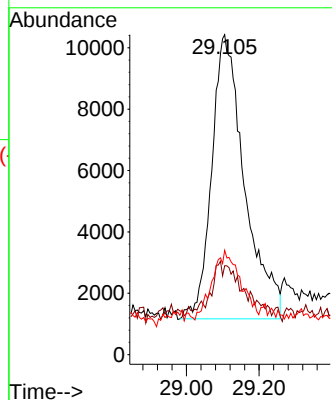
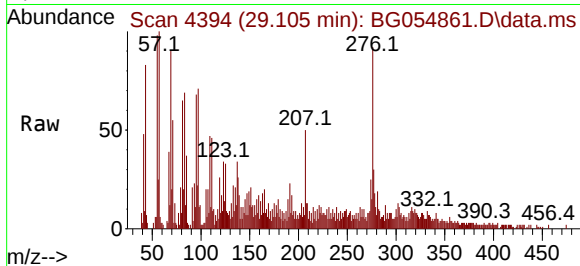




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.977 ng
 RT: 29.105 min Scan# 41
 Delta R.T. 0.035 min
 Lab File: BG054861.D
 Acq: 6 Sep 2022 21:24

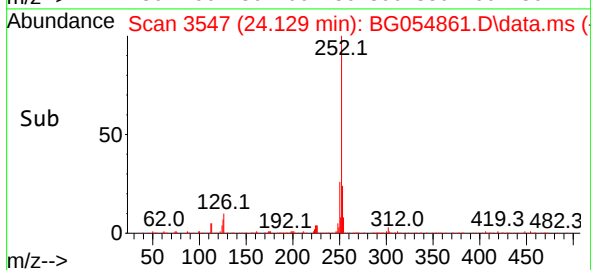
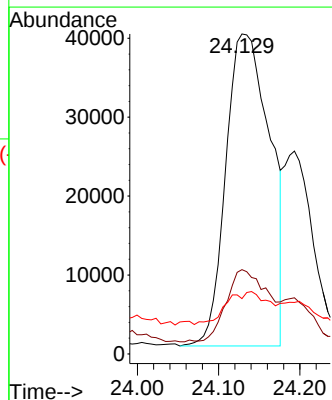
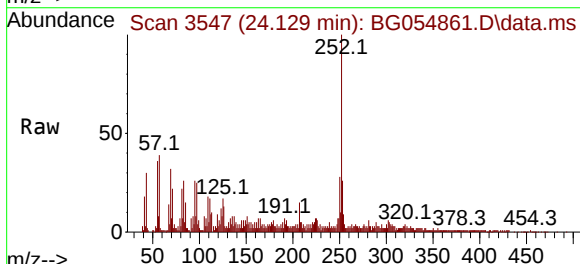
Instrument :
 BNA_G
 ClientSampleId :
 TP1

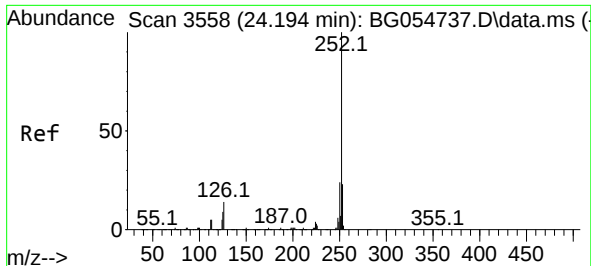
Tgt Ion:276 Resp: 58345
 Ion Ratio Lower Upper
 276 100
 138 4.4 12.0 18.0#
 277 21.8 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 9.211 ng
 RT: 24.129 min Scan# 3547
 Delta R.T. 0.012 min
 Lab File: BG054861.D
 Acq: 6 Sep 2022 21:24

Tgt Ion:252 Resp: 149192
 Ion Ratio Lower Upper
 252 100
 253 26.4 18.0 27.0
 125 17.3 8.1 12.1#

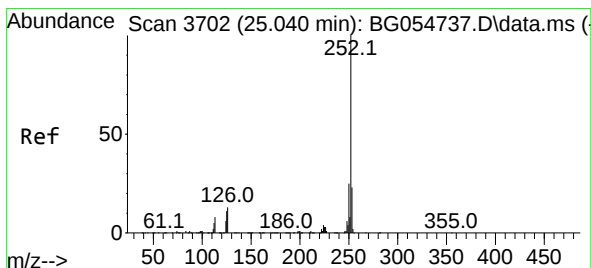
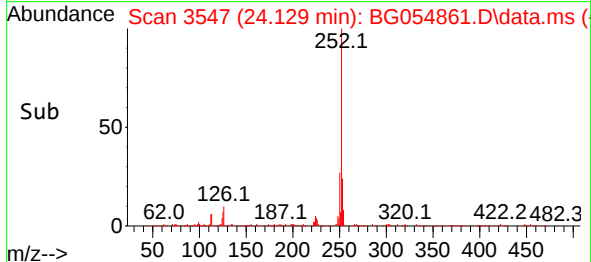
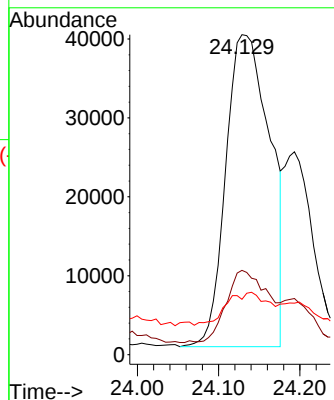
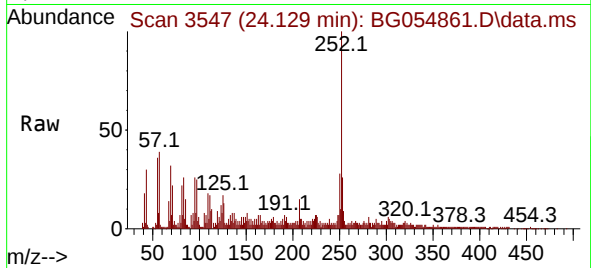




#89
Benzo(k)fluoranthene
Concen: 9.153 ng
RT: 24.129 min Scan# 31
Delta R.T. -0.065 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

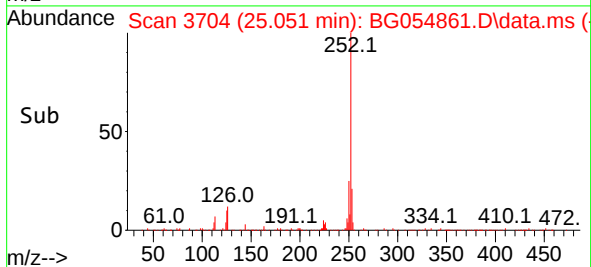
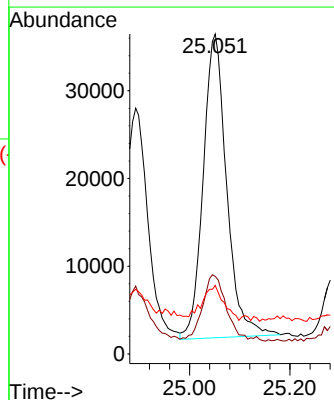
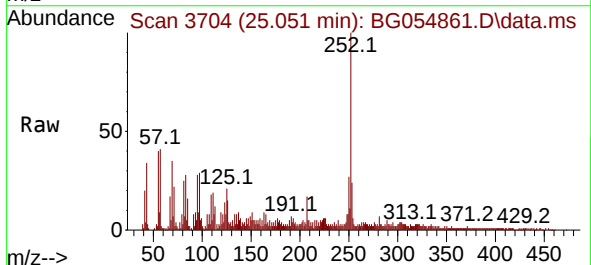
Instrument :
BNA_G
ClientSampleId :
TP1

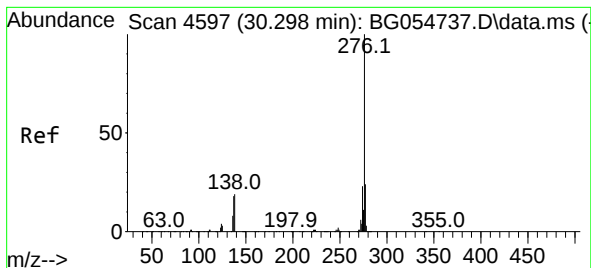
Tgt Ion:252 Resp: 149192
Ion Ratio Lower Upper
252 100
253 26.4 17.8 26.8
125 17.3 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 8.117 ng
RT: 25.051 min Scan# 3704
Delta R.T. 0.012 min
Lab File: BG054861.D
Acq: 6 Sep 2022 21:24

Tgt Ion:252 Resp: 112321
Ion Ratio Lower Upper
252 100
253 24.3 18.3 27.5
125 21.4 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.991 ng

RT: 30.333 min Scan# 4

Delta R.T. 0.035 min

Lab File: BG054861.D

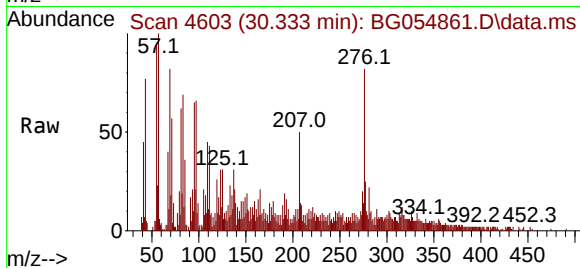
Acq: 6 Sep 2022 21:24

Instrument :

BNA_G

ClientSampleId :

TP1



Tgt Ion:276 Resp: 48251

Ion Ratio Lower Upper

276 100

277 31.0 19.4 29.0#

138 26.2 16.6 25.0#

