

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
 Data File : BG054863.D
 Acq On : 6 Sep 2022 22:48
 Operator : CG/JU
 Sample : N4453-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-5-(0-5)

Quant Time: Sep 07 05:02:25 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)

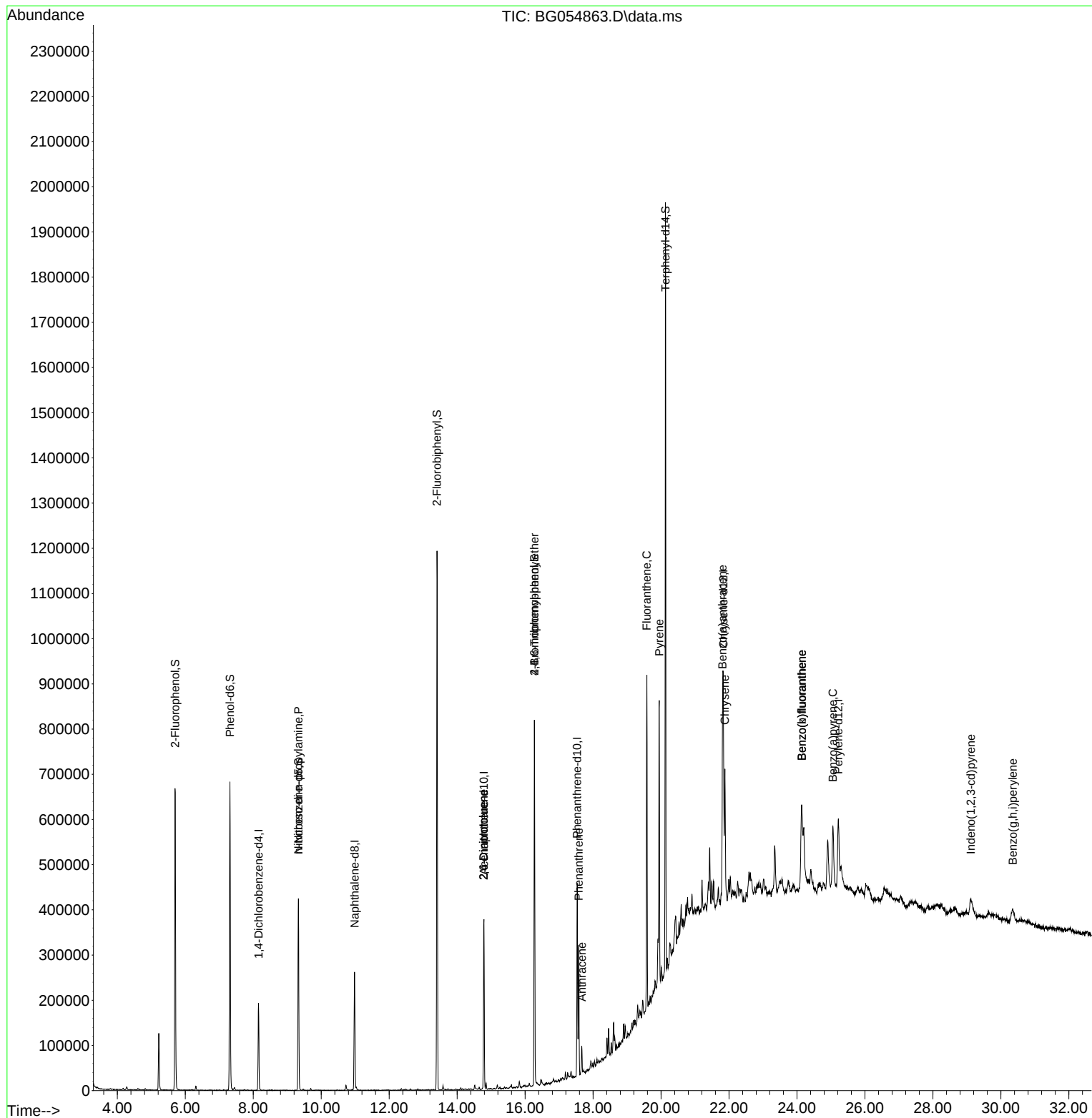
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	59973	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	233025	20.000	ng	0.00
39) Acenaphthene-d10	14.788	164	142023	20.000	ng	0.00
64) Phenanthrene-d10	17.532	188	286031	20.000	ng	0.00
76) Chrysene-d12	21.833	240	254745	20.000	ng	0.00
86) Perylene-d12	25.217	264	213333	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.705	112	345060	100.191	ng	0.02
7) Phenol-d6	7.315	99	452214	96.011	ng	0.02
23) Nitrobenzene-d5	9.330	82	272670	61.428	ng	0.00
42) 2,4,6-Tribromophenol	16.275	330	175551	98.920	ng	0.00
45) 2-Fluorobiphenyl	13.407	172	647683	68.544	ng	0.00
79) Terphenyl-d14	20.129	244	859382	66.842	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.330	70	34711	10.717	ng	# 78
51) 2,6-Dinitrotoluene	14.782	165	18548	8.288	ng	# 22
57) 2,4-Dinitrotoluene	14.782	165	18548	5.992	ng	# 19
67) 4-Bromophenyl-phenylether	16.275	248	11330	3.608	ng	# 1
71) Phenanthrene	17.579	178	186851	12.263	ng	98
72) Anthracene	17.667	178	42745	2.885	ng	97
75) Fluoranthene	19.583	202	462405	24.946	ng	98
78) Pyrene	19.947	202	422987	23.813	ng	99
81) Benzo(a)anthracene	21.809	228	263802	15.273	ng	99
83) Chrysene	21.880	228	230091	13.932	ng	98
87) Indeno(1,2,3-cd)pyrene	29.118	276	100939	6.233	ng	# 87
88) Benzo(b)fluoranthene	24.142	252	281736	21.052	ng	# 93
89) Benzo(k)fluoranthene	24.142	252	281736	20.919	ng	# 93
90) Benzo(a)pyrene	25.058	252	198255	17.340	ng	93
92) Benzo(g,h,i)perylene	30.352	276	90597	6.797	ng	# 93

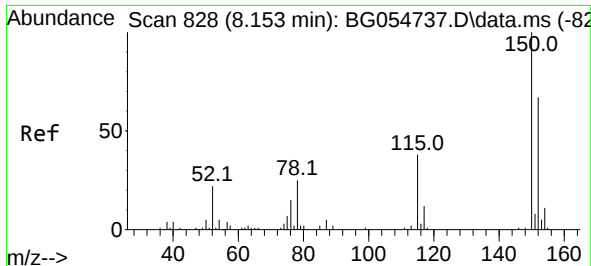
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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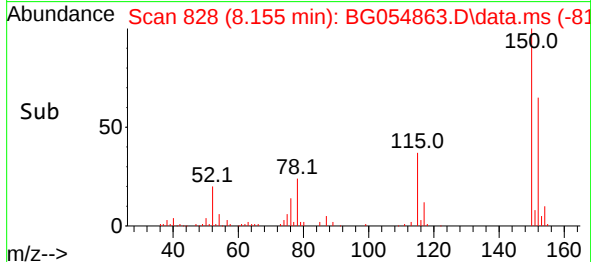
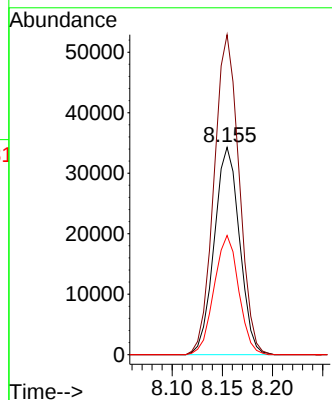
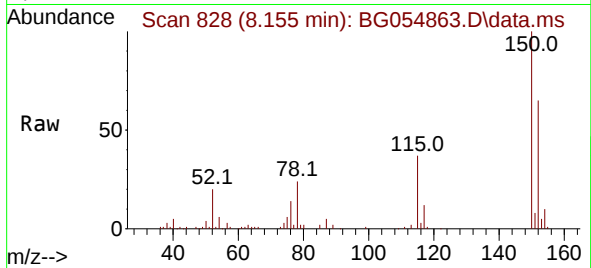




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.155 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

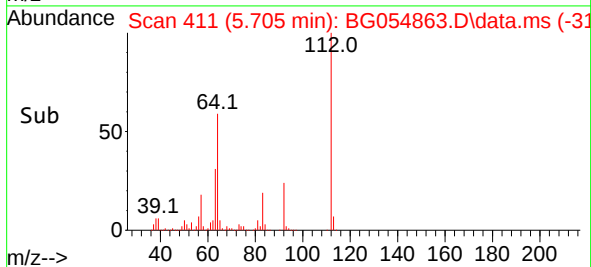
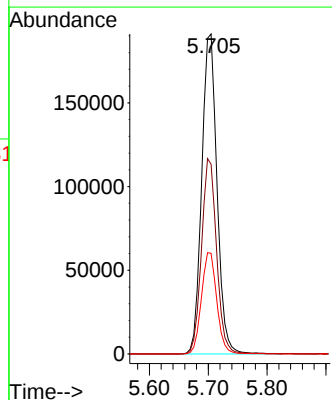
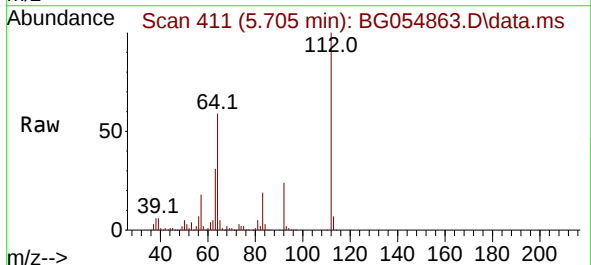
Instrument :
BNA_G
ClientSampleId :
SASP2-T-5-(0-5)

Tgt Ion:152 Resp: 59973
Ion Ratio Lower Upper
152 100
150 154.3 125.2 187.8
115 57.5 47.9 71.9



#5
2-Fluorophenol
Concen: 100.191 ng
RT: 5.705 min Scan# 411
Delta R.T. 0.019 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

Tgt Ion:112 Resp: 345060
Ion Ratio Lower Upper
112 100
64 59.3 49.3 73.9
63 31.5 26.3 39.5

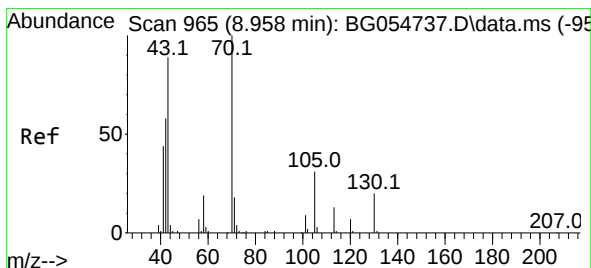
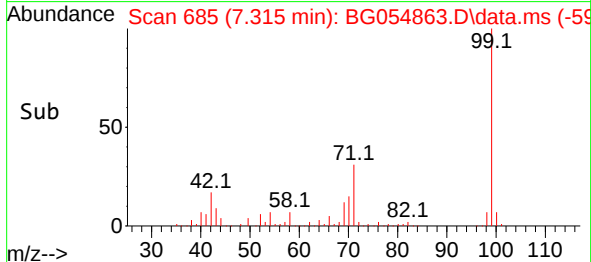
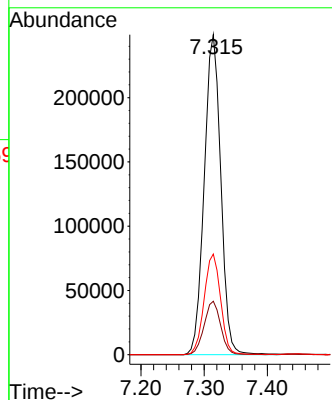
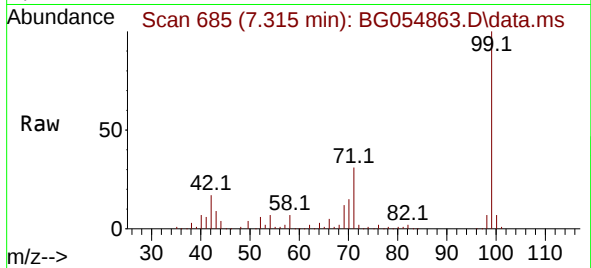




#7
Phenol-d6
Concen: 96.011 ng
RT: 7.315 min Scan# 61
Delta R.T. 0.019 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

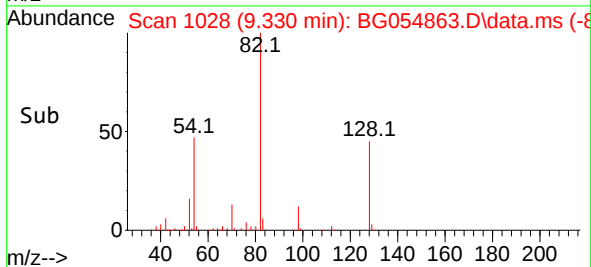
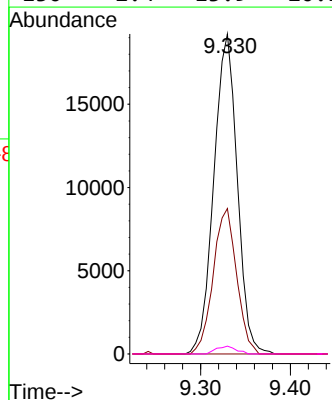
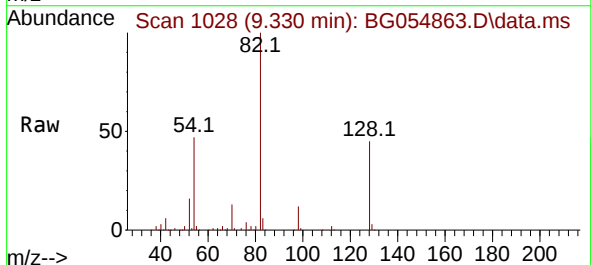
Instrument :
BNA_G
ClientSampleId :
SASP2-T-5-(0-5)

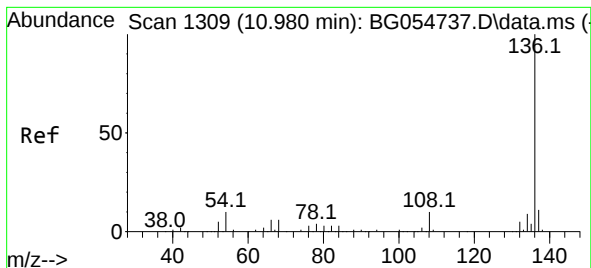
Tgt Ion: 99 Resp: 452214
Ion Ratio Lower Upper
99 100
42 16.7 14.6 22.0
71 31.4 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.717 ng
RT: 9.330 min Scan# 1028
Delta R.T. 0.371 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

Tgt Ion: 70 Resp: 34711
Ion Ratio Lower Upper
70 100
42 45.5 46.6 69.8#
101 0.0 7.7 11.5#
130 2.4 13.9 20.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.981 min Scan# 1309

Delta R.T. 0.001 min

Lab File: BG054863.D

Acq: 6 Sep 2022 22:48

Instrument :

BNA_G

ClientSampleId :

SASP2-T-5-(0-5)

Tgt Ion:136 Resp: 233025

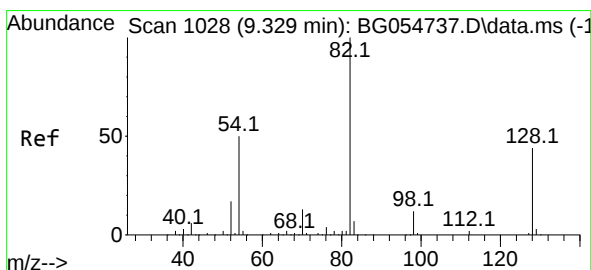
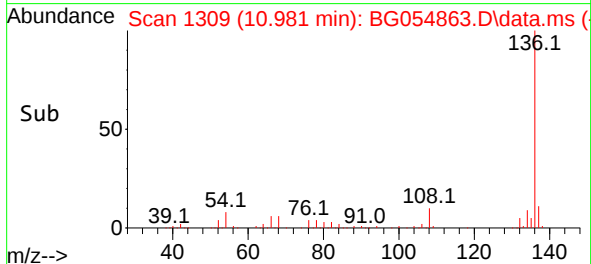
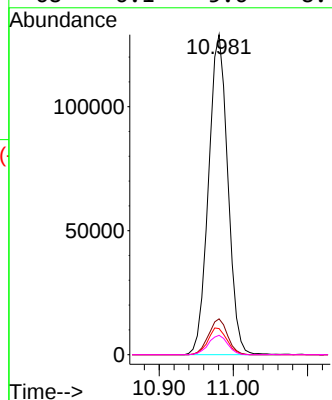
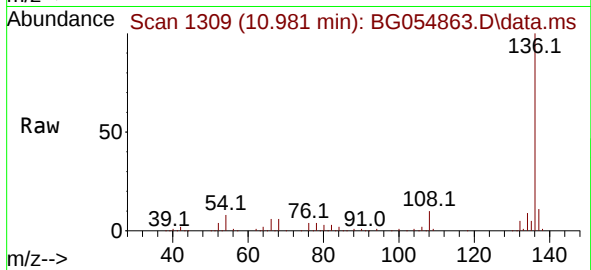
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 8.1 7.7 11.5

68 6.1 5.6 8.4



#23

Nitrobenzene-d5

Concen: 61.428 ng

RT: 9.330 min Scan# 1028

Delta R.T. 0.001 min

Lab File: BG054863.D

Acq: 6 Sep 2022 22:48

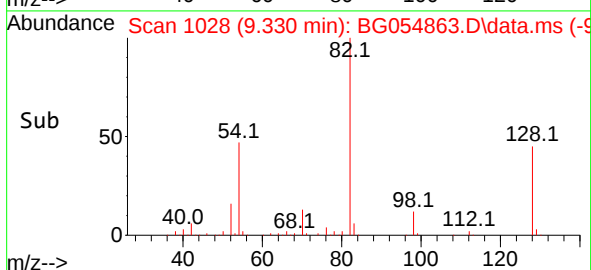
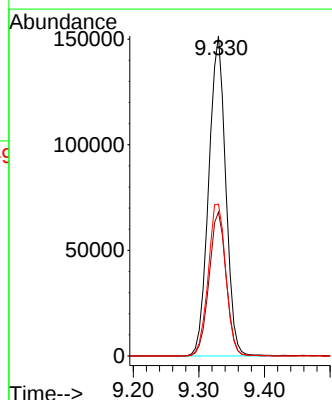
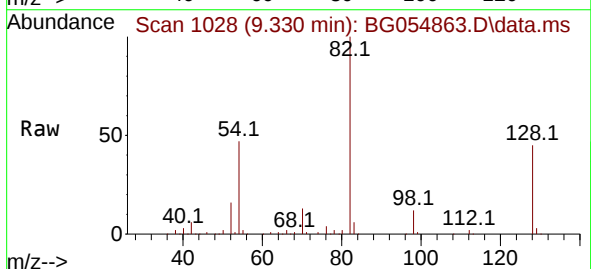
Tgt Ion: 82 Resp: 272670

Ion Ratio Lower Upper

82 100

128 45.0 32.2 48.2

54 47.5 41.4 62.0

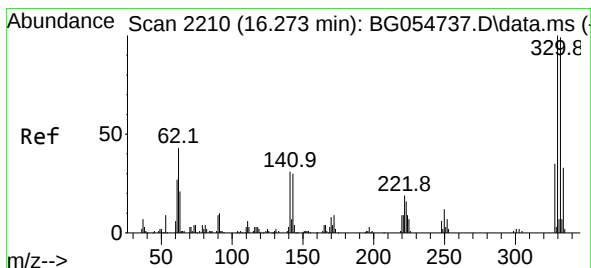
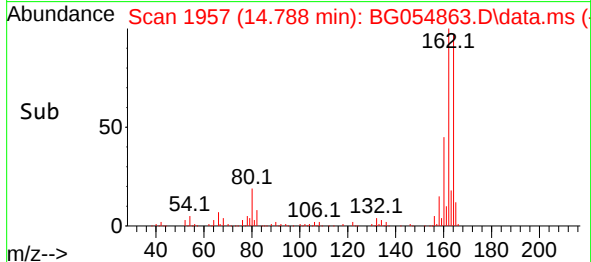
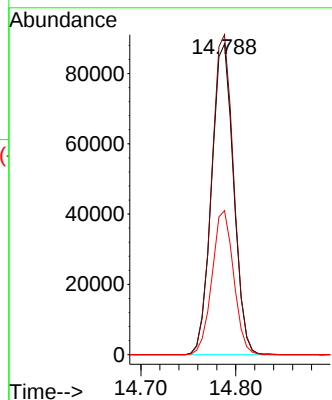
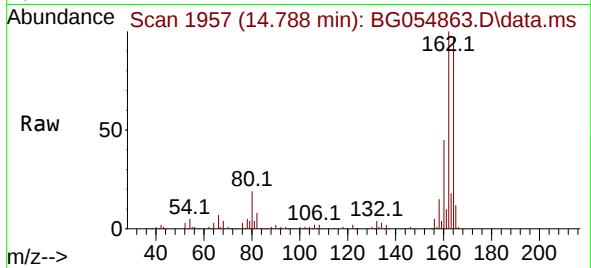




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.788 min Scan# 1957
Delta R.T. 0.001 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

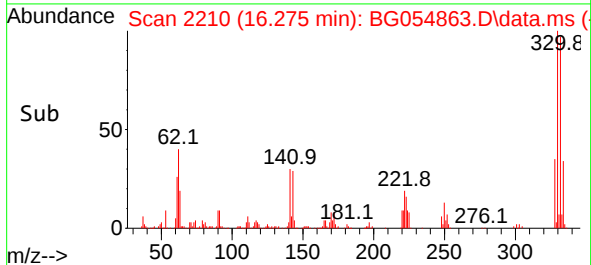
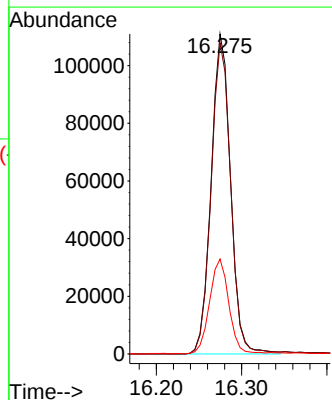
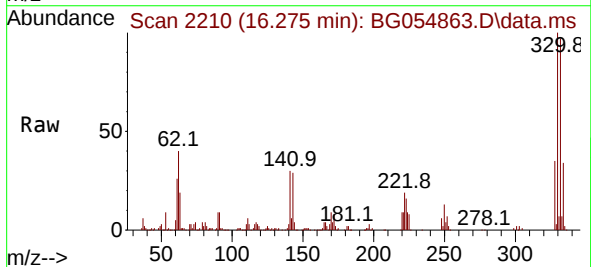
Instrument :
BNA_G
ClientSampleId :
SASP2-T-5-(0-5)

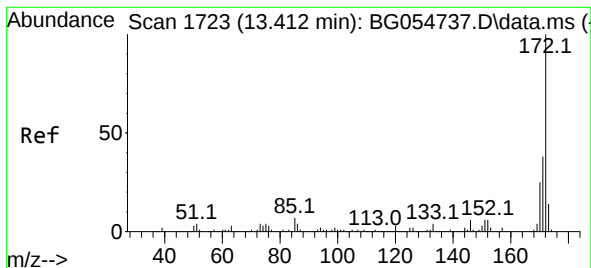
Tgt Ion:164 Resp: 142023
Ion Ratio Lower Upper
164 100
162 103.0 83.0 124.4
160 46.3 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 98.920 ng
RT: 16.275 min Scan# 2210
Delta R.T. 0.001 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

Tgt Ion:330 Resp: 175551
Ion Ratio Lower Upper
330 100
332 98.5 79.8 119.6
141 29.5 26.8 40.2

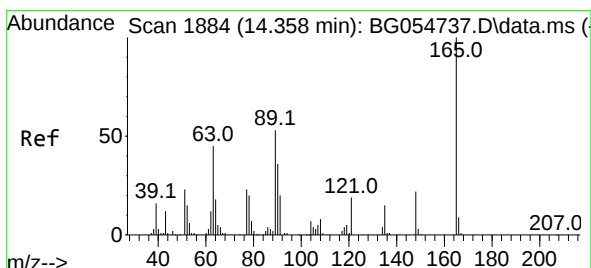
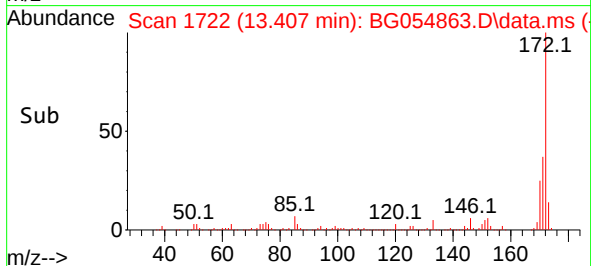
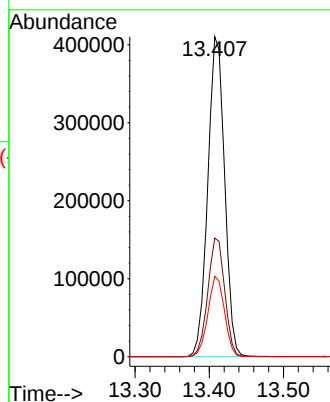
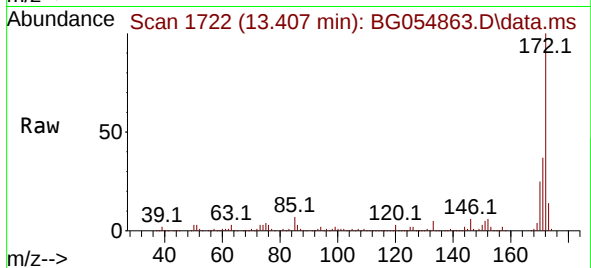




#45
2-Fluorobiphenyl
Concen: 68.544 ng
RT: 13.407 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

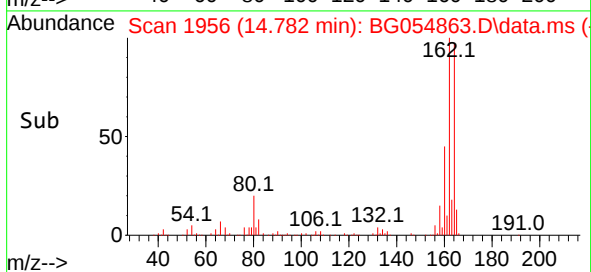
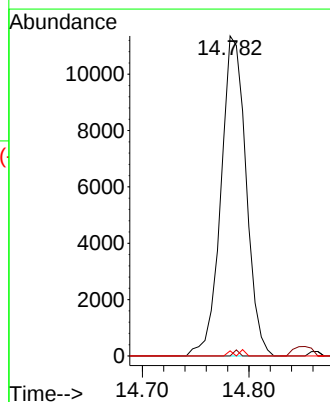
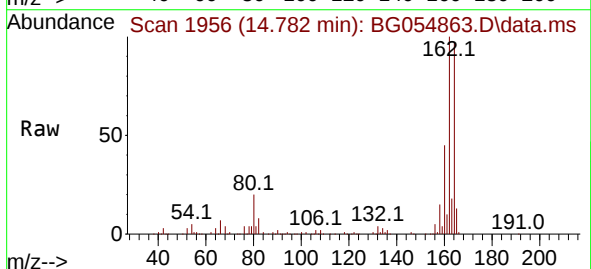
Instrument :
BNA_G
ClientSampleId :
SASP2-T-5-(0-5)

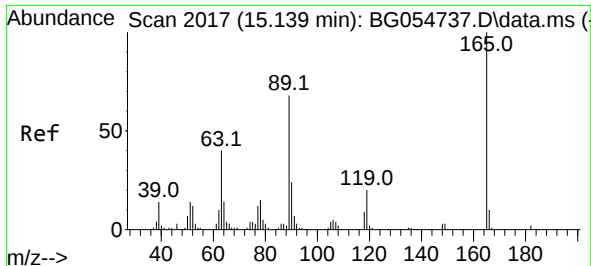
Tgt Ion:172 Resp: 647683
Ion Ratio Lower Upper
172 100
171 37.1 31.2 46.8
170 25.1 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.288 ng
RT: 14.782 min Scan# 1956
Delta R.T. 0.424 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

Tgt Ion:165 Resp: 18548
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 1.6 50.3 75.5#





#57

2,4-Dinitrotoluene

Concen: 5.992 ng

RT: 14.782 min Scan# 1956

Delta R.T. -0.357 min

Lab File: BG054863.D

Acq: 6 Sep 2022 22:48

Instrument :

BNA_G

ClientSampleId :

SASP2-T-5-(0-5)

Tgt Ion:165 Resp: 18548

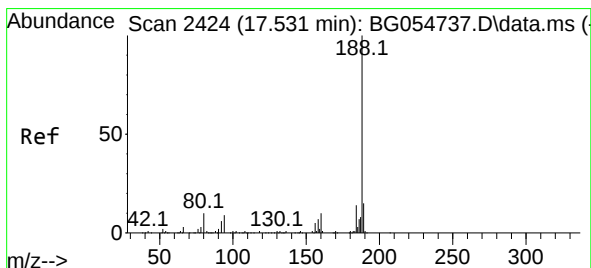
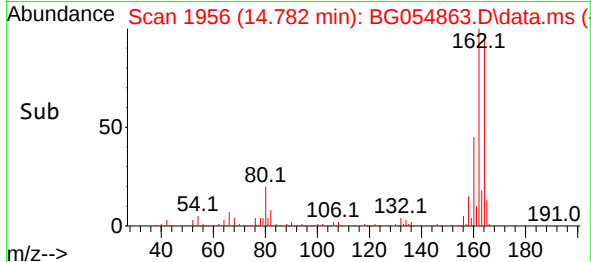
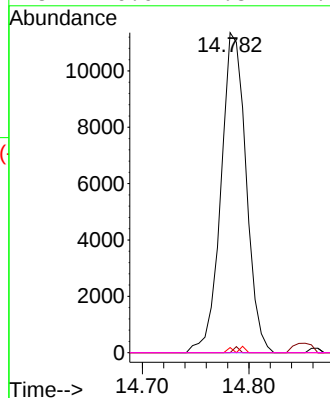
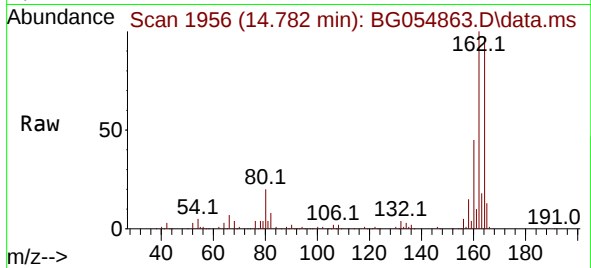
Ion Ratio Lower Upper

165 100

63 0.0 36.8 55.2#

89 1.6 64.3 96.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.532 min Scan# 2424

Delta R.T. 0.001 min

Lab File: BG054863.D

Acq: 6 Sep 2022 22:48

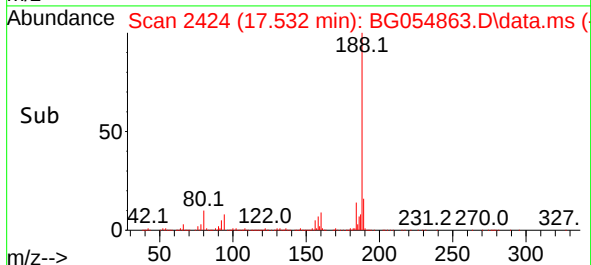
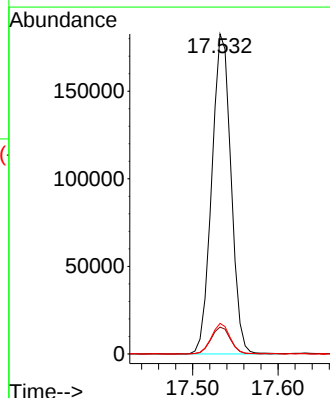
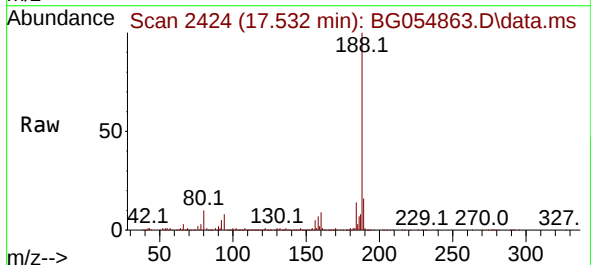
Tgt Ion:188 Resp: 286031

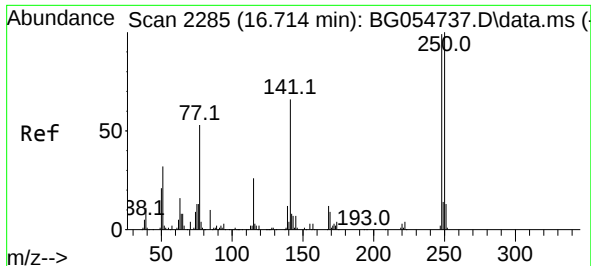
Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.4

80 9.6 7.9 11.9

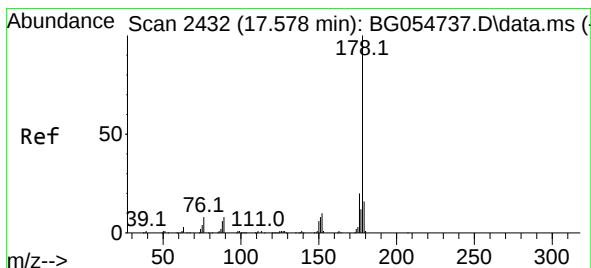
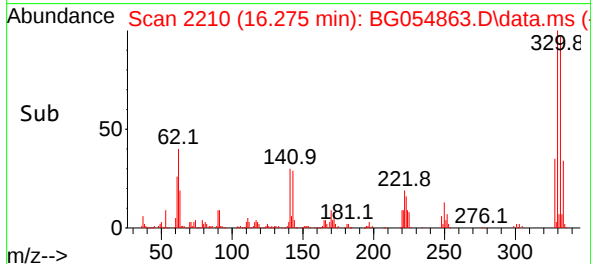
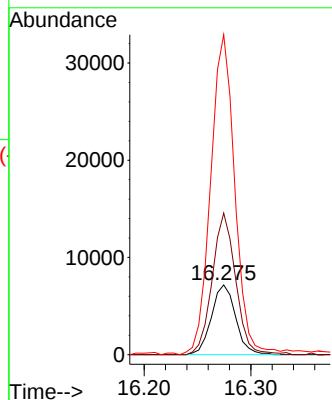
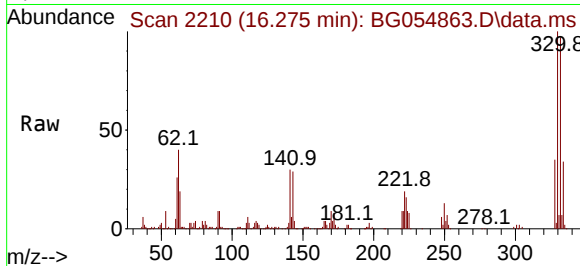




#67
4-Bromophenyl-phenylether
Concen: 3.608 ng
RT: 16.275 min Scan# 2110
Delta R.T. -0.439 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

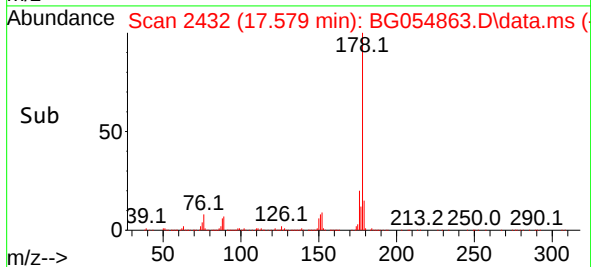
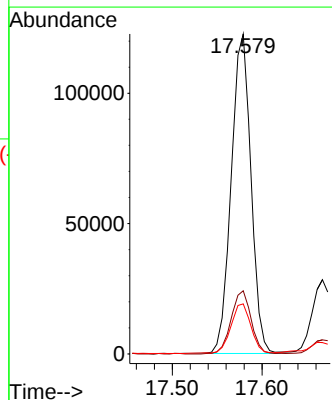
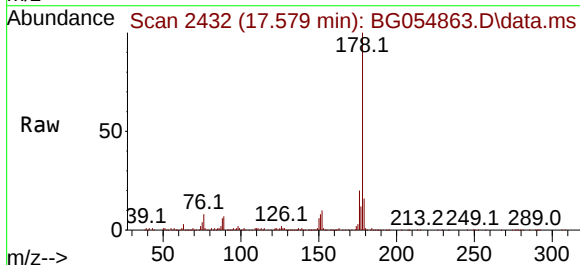
Instrument :
BNA_G
ClientSampleId :
SASP2-T-5-(0-5)

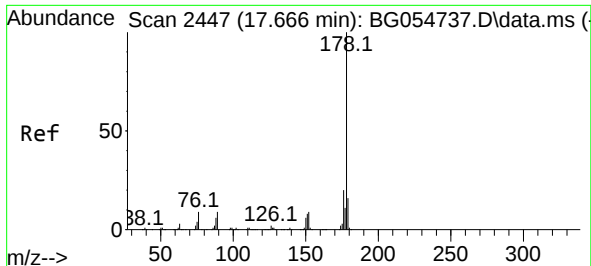
Tgt Ion:248 Resp: 11330
Ion Ratio Lower Upper
248 100
250 202.9 78.8 118.2#
141 458.3 51.9 77.9#



#71
Phenanthrene
Concen: 12.263 ng
RT: 17.579 min Scan# 2432
Delta R.T. 0.001 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

Tgt Ion:178 Resp: 186851
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 15.7 12.8 19.2

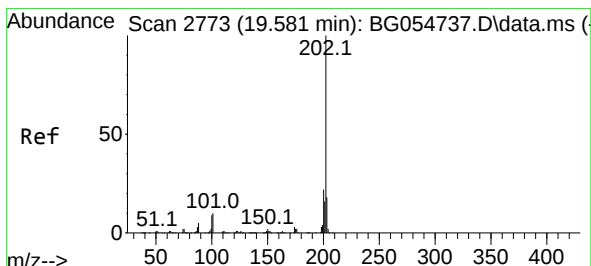
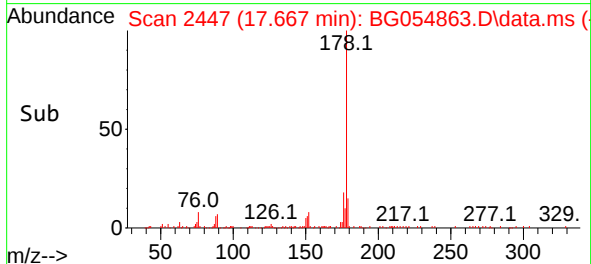
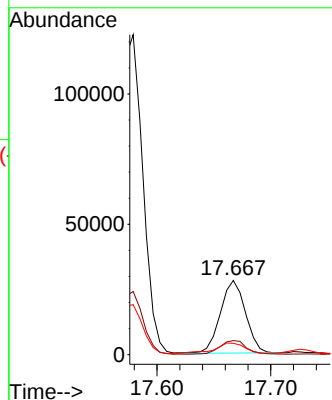
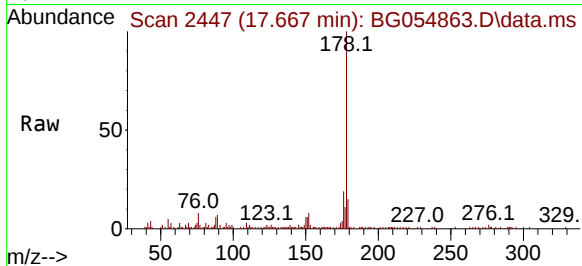




#72
 Anthracene
 Concen: 2.885 ng
 RT: 17.667 min Scan# 2447
 Delta R.T. 0.001 min
 Lab File: BG054863.D
 Acq: 6 Sep 2022 22:48

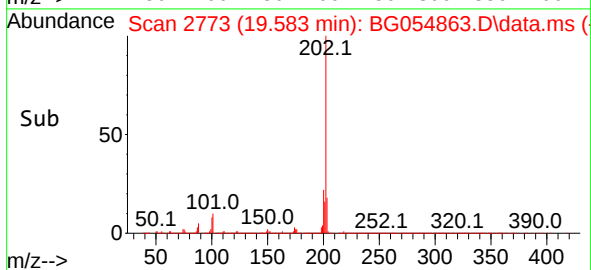
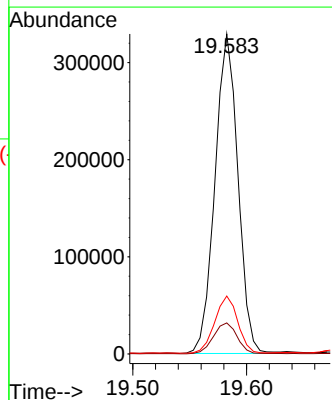
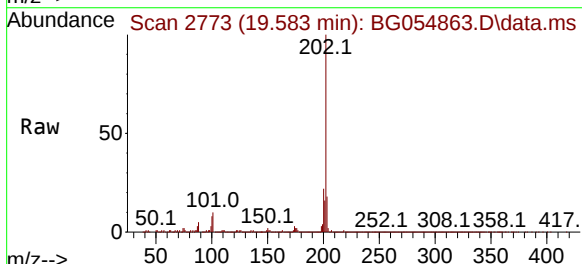
Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-5-(0-5)

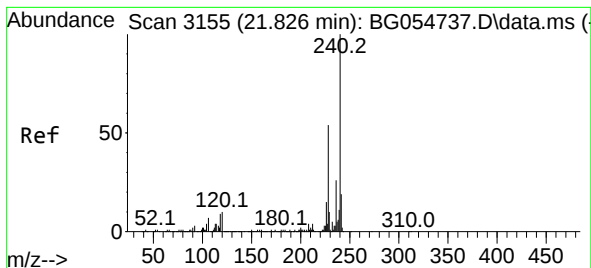
Tgt Ion:178 Resp: 42745
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.3 12.9 19.3



#75
 Fluoranthene
 Concen: 24.946 ng
 RT: 19.583 min Scan# 2773
 Delta R.T. 0.001 min
 Lab File: BG054863.D
 Acq: 6 Sep 2022 22:48

Tgt Ion:202 Resp: 462405
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.4
 203 18.1 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.833 min Scan# 3156

Delta R.T. 0.007 min

Lab File: BG054863.D

Acq: 6 Sep 2022 22:48

Instrument :

BNA_G

ClientSampleId :

SASP2-T-5-(0-5)

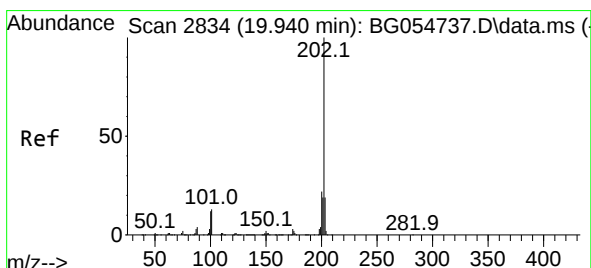
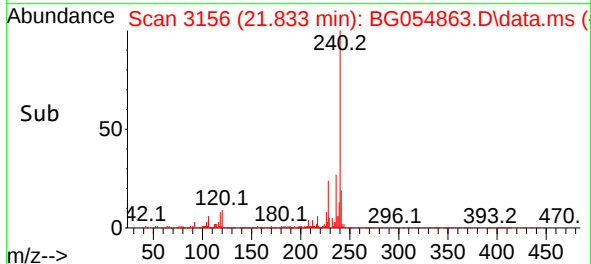
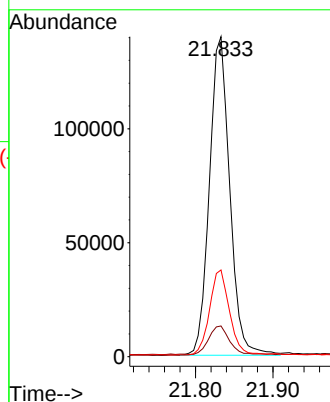
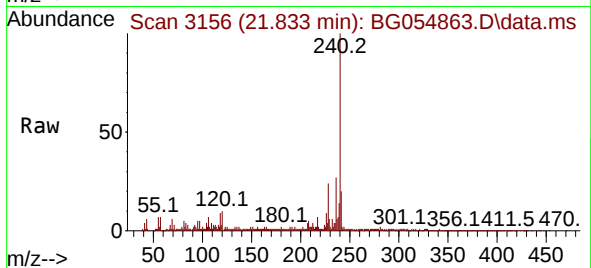
Tgt Ion:240 Resp: 254745

Ion Ratio Lower Upper

240 100

120 9.6 8.2 12.4

236 27.1 21.2 31.8



#78

Pyrene

Concen: 23.813 ng

RT: 19.947 min Scan# 2835

Delta R.T. 0.007 min

Lab File: BG054863.D

Acq: 6 Sep 2022 22:48

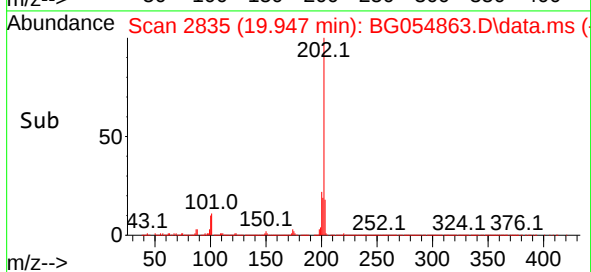
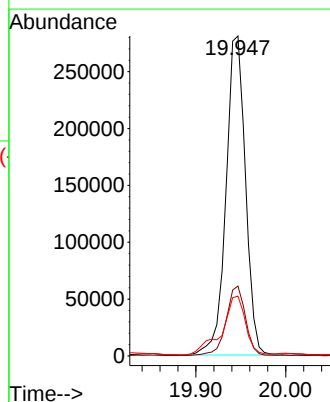
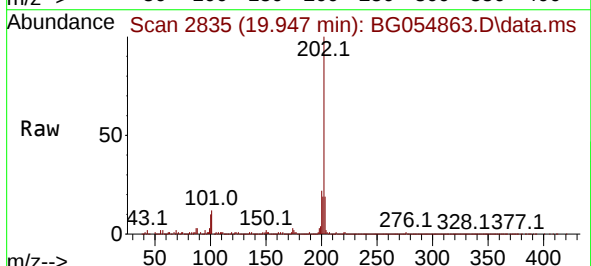
Tgt Ion:202 Resp: 422987

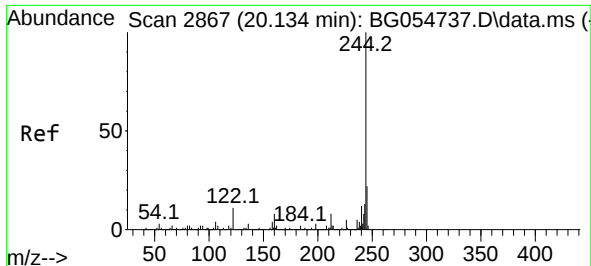
Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.6

203 18.7 14.6 21.8

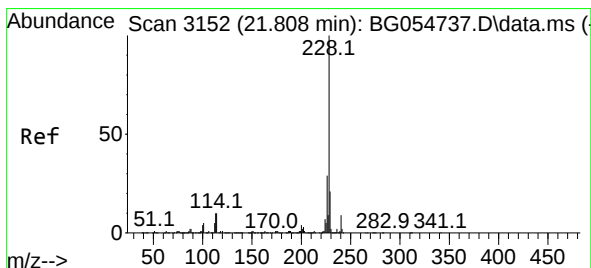
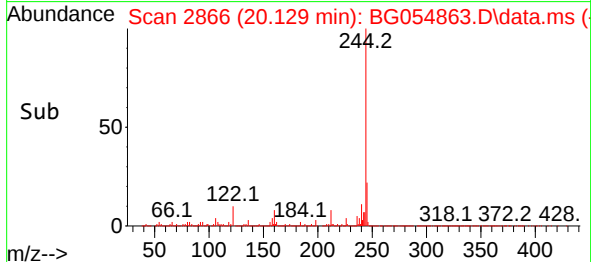
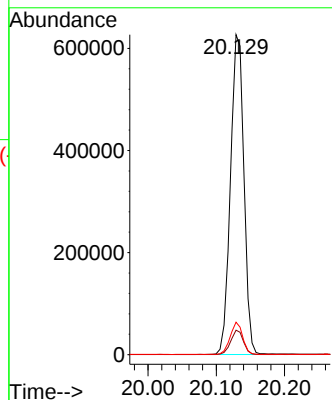
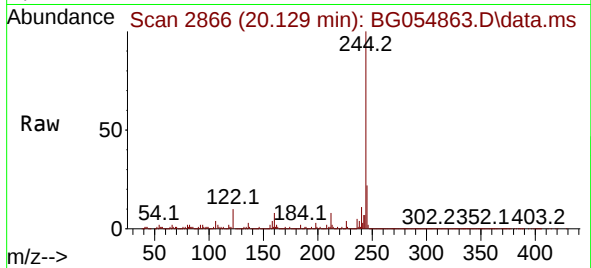




#79
 Terphenyl-d14
 Concen: 66.842 ng
 RT: 20.129 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054863.D
 Acq: 6 Sep 2022 22:48

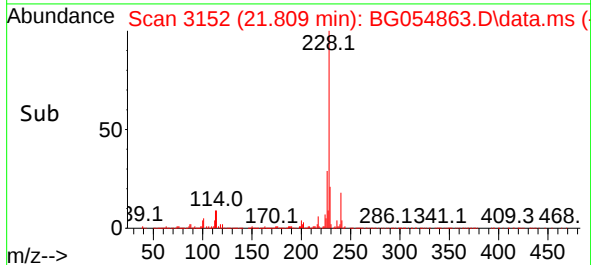
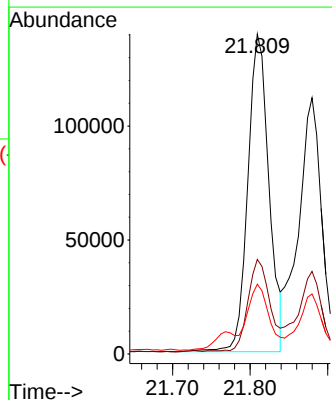
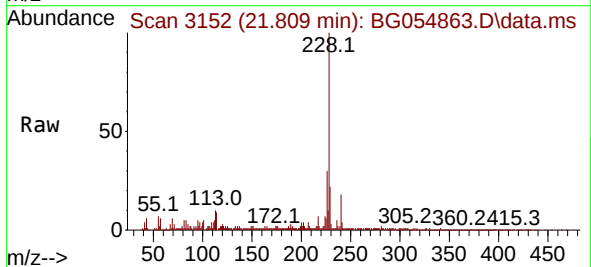
Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-5-(0-5)

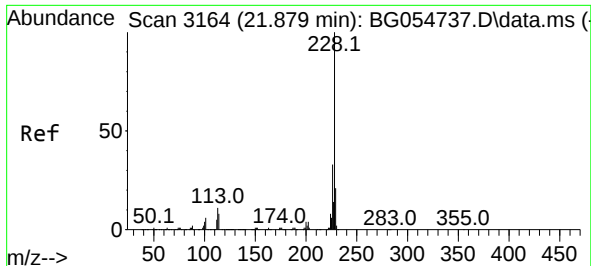
Tgt Ion:244 Resp: 859382
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 10.2 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 15.273 ng
 RT: 21.809 min Scan# 3152
 Delta R.T. 0.001 min
 Lab File: BG054863.D
 Acq: 6 Sep 2022 22:48

Tgt Ion:228 Resp: 263802
 Ion Ratio Lower Upper
 228 100
 226 29.5 23.4 35.2
 229 21.8 16.5 24.7

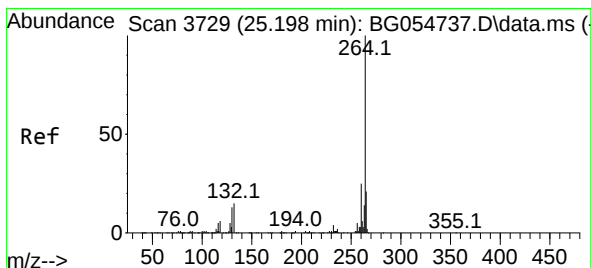
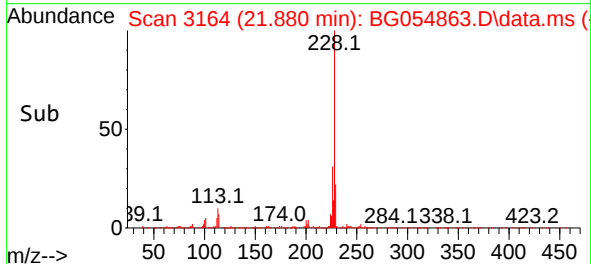
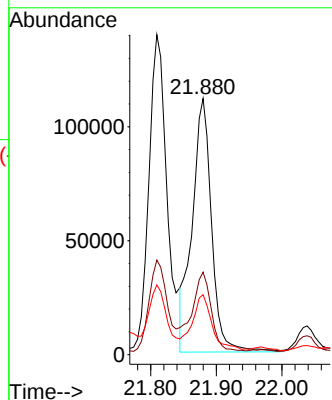
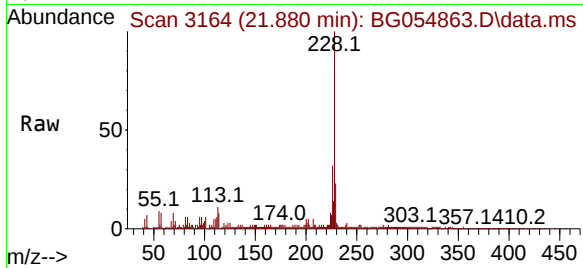




#83
Chrysene
Concen: 13.932 ng
RT: 21.880 min Scan# 3164
Delta R.T. 0.001 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

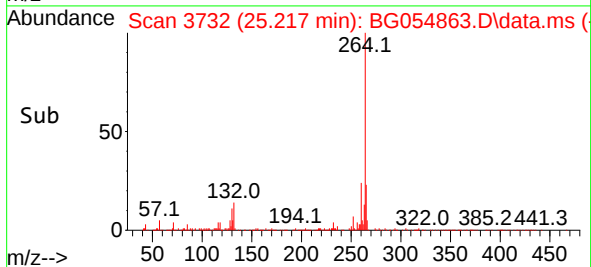
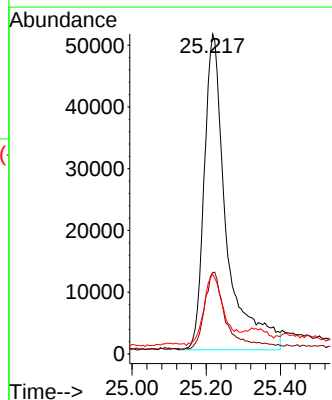
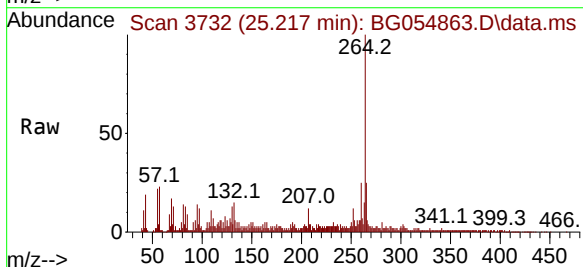
Instrument :
BNA_G
ClientSampleId :
SASP2-T-5-(0-5)

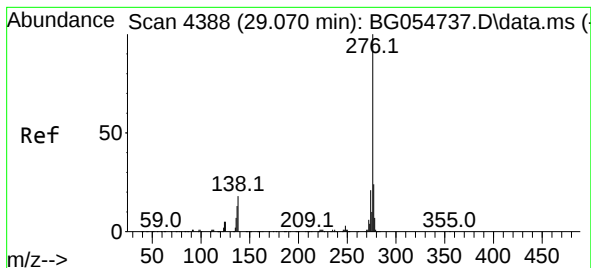
Tgt Ion:228 Resp: 230091
Ion Ratio Lower Upper
228 100
226 32.2 25.5 38.3
229 23.4 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.217 min Scan# 3732
Delta R.T. 0.019 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

Tgt Ion:264 Resp: 213333
Ion Ratio Lower Upper
264 100
260 25.4 19.9 29.9
265 24.9 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.233 ng

RT: 29.118 min Scan# 41

Delta R.T. 0.048 min

Lab File: BG054863.D

Acq: 6 Sep 2022 22:48

Instrument :

BNA_G

ClientSampleId :

SASP2-T-5-(0-5)

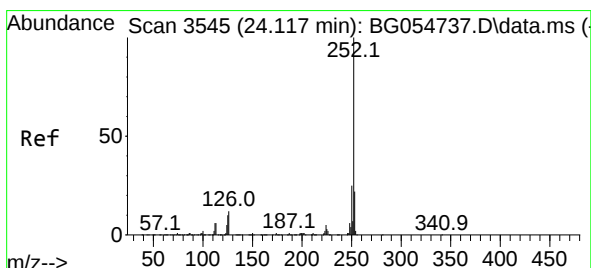
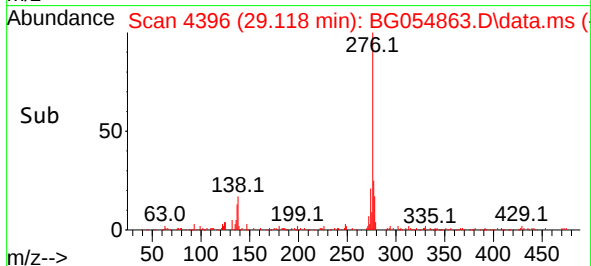
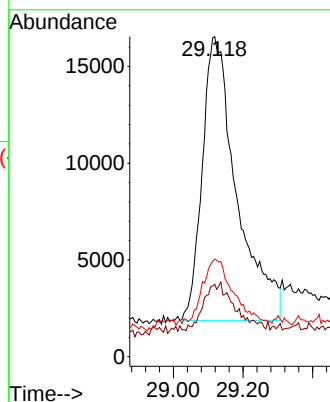
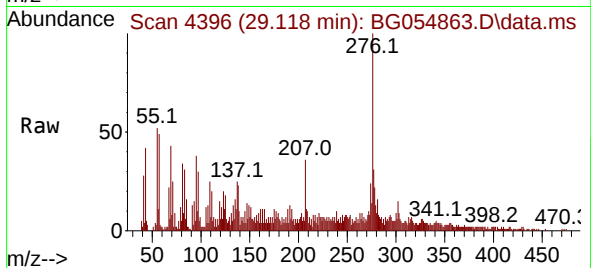
Tgt Ion:276 Resp: 100939

Ion Ratio Lower Upper

276 100

138 6.6 12.0 18.0#

277 20.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 21.052 ng

RT: 24.142 min Scan# 3549

Delta R.T. 0.025 min

Lab File: BG054863.D

Acq: 6 Sep 2022 22:48

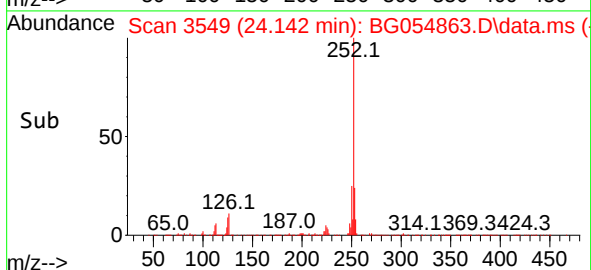
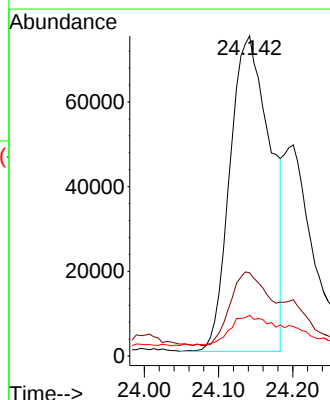
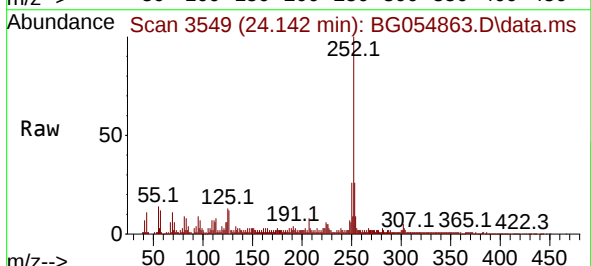
Tgt Ion:252 Resp: 281736

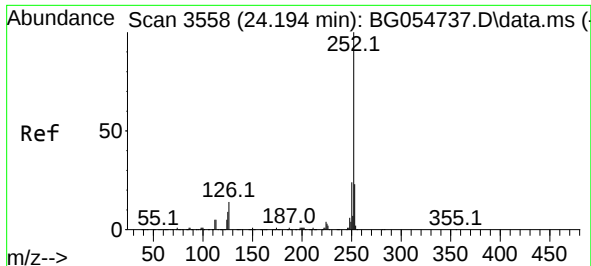
Ion Ratio Lower Upper

252 100

253 26.0 18.0 27.0

125 12.7 8.1 12.1#

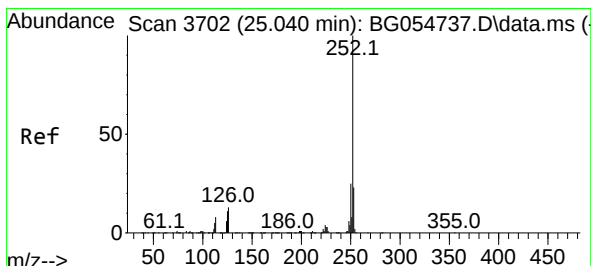
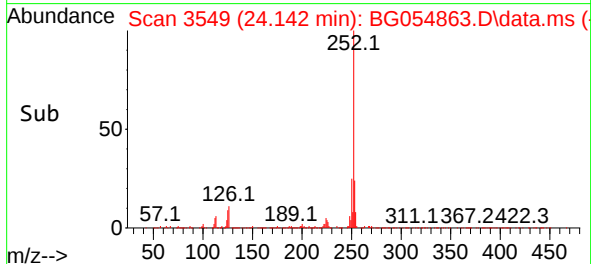
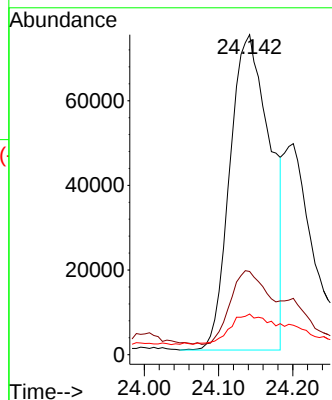
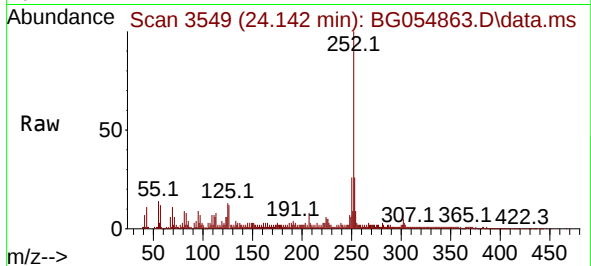




#89
Benzo(k)fluoranthene
Concen: 20.919 ng
RT: 24.142 min Scan# 31
Delta R.T. -0.052 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

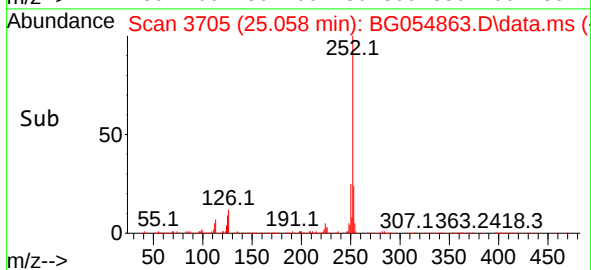
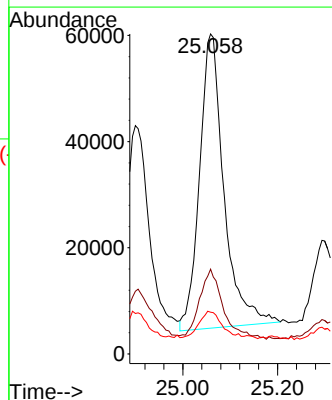
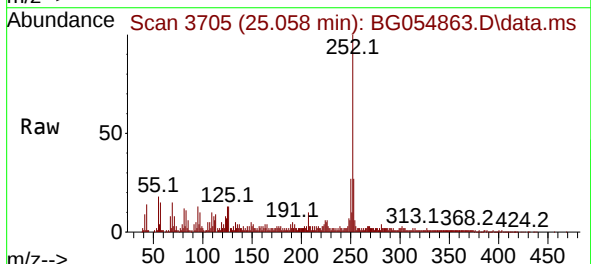
Instrument :
BNA_G
ClientSampleId :
SASP2-T-5-(0-5)

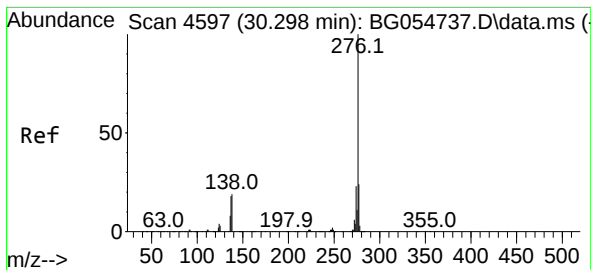
Tgt Ion:252 Resp: 281736
Ion Ratio Lower Upper
252 100
253 26.0 17.8 26.8
125 12.7 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 17.340 ng
RT: 25.058 min Scan# 3705
Delta R.T. 0.019 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

Tgt Ion:252 Resp: 198255
Ion Ratio Lower Upper
252 100
253 26.5 18.3 27.5
125 13.0 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 6.797 ng

RT: 30.352 min Scan# 4

Delta R.T. 0.054 min

Lab File: BG054863.D

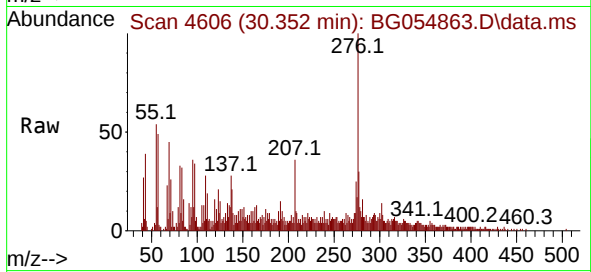
Acq: 6 Sep 2022 22:48

Instrument :

BNA_G

ClientSampleId :

SASP2-T-5-(0-5)



Tgt Ion:276 Resp: 90597

Ion Ratio Lower Upper

276 100

277 30.2 19.4 29.0#

138 21.1 16.6 25.0

