

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090722\
 Data File : BG054875.D
 Acq On : 7 Sep 2022 19:16
 Operator : CG/JU
 Sample : N4518-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-090622

Quant Time: Sep 08 04:47:21 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)

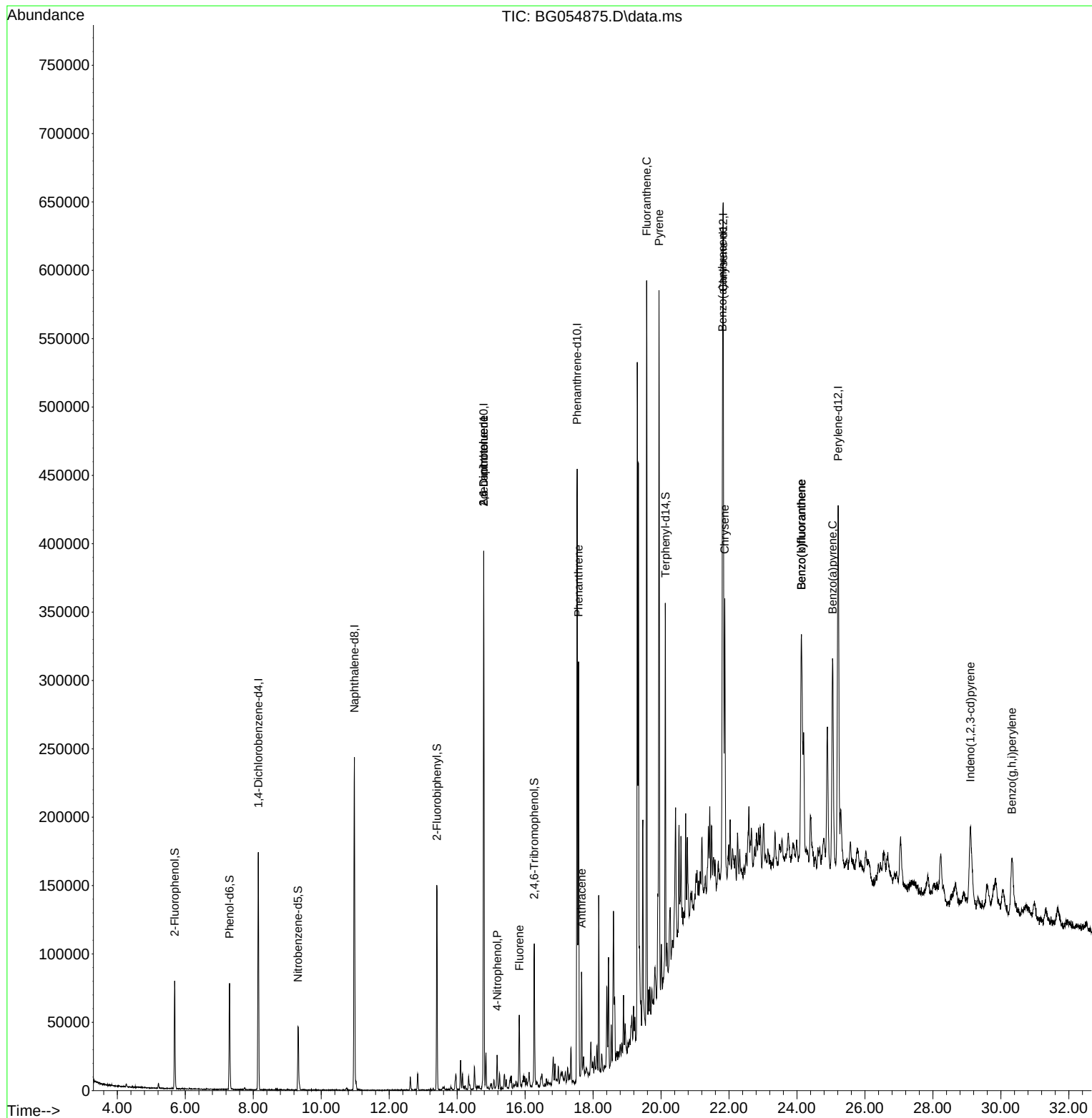
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.149	152	54108	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	223725	20.000	ng	0.00
39) Acenaphthene-d10	14.783	164	144722	20.000	ng	0.00
64) Phenanthrene-d10	17.532	188	296775	20.000	ng	0.00
76) Chrysene-d12	21.827	240	275778	20.000	ng	0.00
86) Perylene-d12	25.212	264	295177	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	39427	12.689	ng	0.00
7) Phenol-d6	7.303	99	53650	12.625	ng	0.00
23) Nitrobenzene-d5	9.318	82	32039	7.518	ng	-0.01
42) 2,4,6-Tribromophenol	16.269	330	21639	11.966	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	85693	8.900	ng	-0.01
79) Terphenyl-d14	20.129	244	131563	9.452	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.783	165	20072	8.802	ng	# 22
56) 4-Nitrophenol	15.176	139	4590	2.323	ng	# 6
57) 2,4-Dinitrotoluene	14.783	165	20072	6.363	ng	# 19
58) Fluorene	15.828	166	25605	2.391	ng	99
71) Phenanthrene	17.573	178	196698	12.442	ng	99
72) Anthracene	17.662	178	52058	3.387	ng	98
75) Fluoranthene	19.577	202	345837	17.982	ng	98
78) Pyrene	19.941	202	335241	17.433	ng	98
81) Benzo(a)anthracene	21.810	228	170782	9.133	ng	97
83) Chrysene	21.874	228	154273	8.629	ng	97
87) Indeno(1,2,3-cd)pyrene	29.107	276	115356	5.148	ng	97
88) Benzo(b)fluoranthene	24.130	252	233967	12.635	ng	97
89) Benzo(k)fluoranthene	24.130	252	233967	12.555	ng	96
90) Benzo(a)pyrene	25.047	252	180858	11.432	ng	99
92) Benzo(g,h,i)perylene	30.323	276	115352	6.254	ng	97

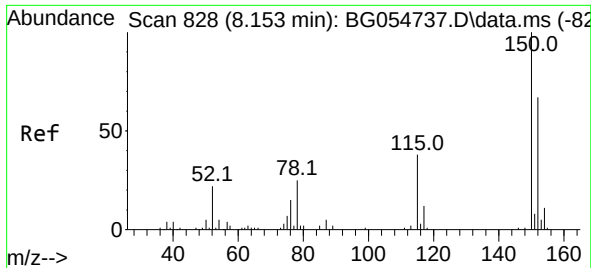
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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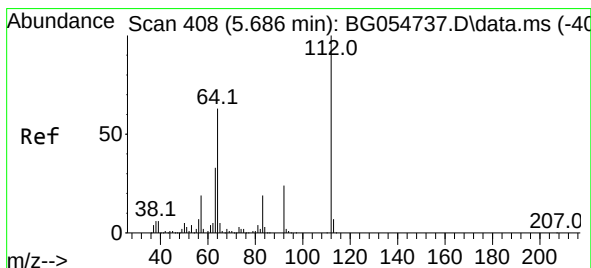
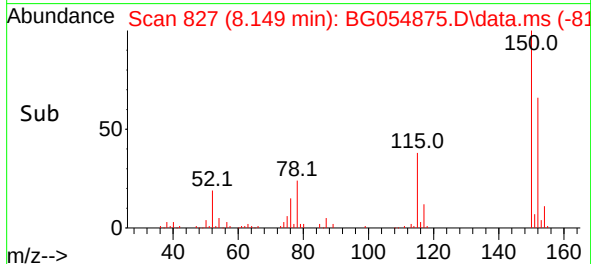
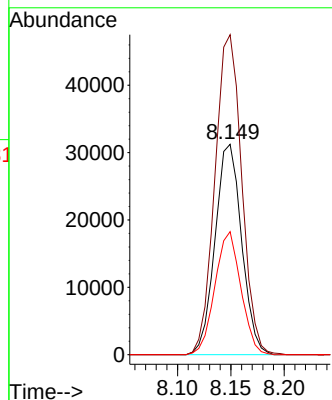
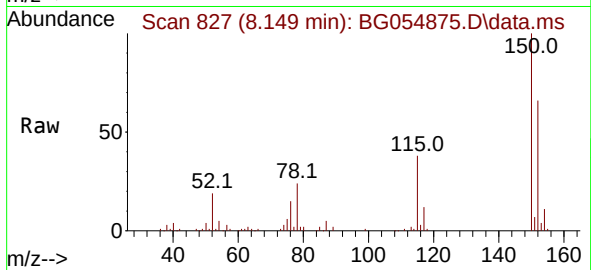




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.149 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: BG054875.D
 Acq: 7 Sep 2022 19:16

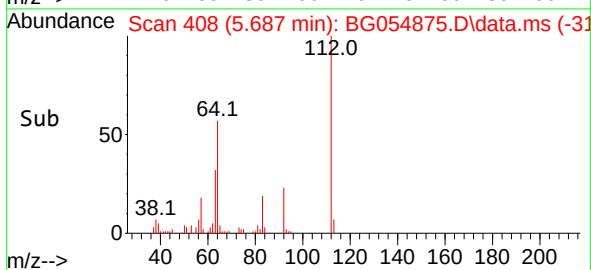
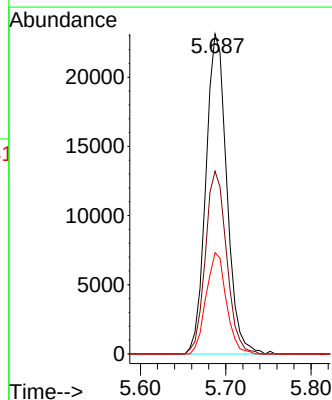
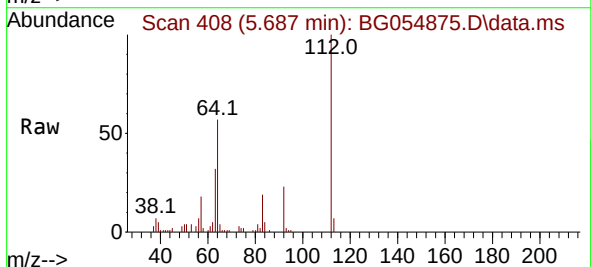
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-090622

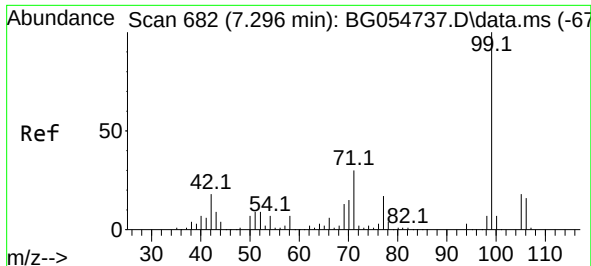
Tgt Ion:152 Resp: 54108
 Ion Ratio Lower Upper
 152 100
 150 152.1 125.2 187.8
 115 58.5 47.9 71.9



#5
 2-Fluorophenol
 Concen: 12.689 ng
 RT: 5.687 min Scan# 408
 Delta R.T. 0.002 min
 Lab File: BG054875.D
 Acq: 7 Sep 2022 19:16

Tgt Ion:112 Resp: 39427
 Ion Ratio Lower Upper
 112 100
 64 57.1 49.3 73.9
 63 31.6 26.3 39.5

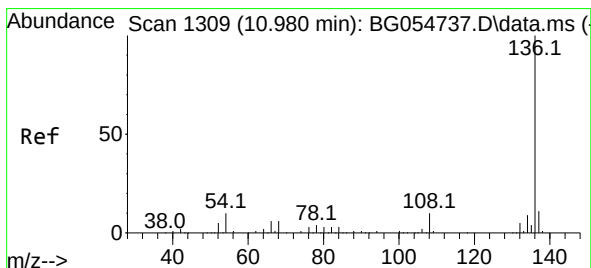
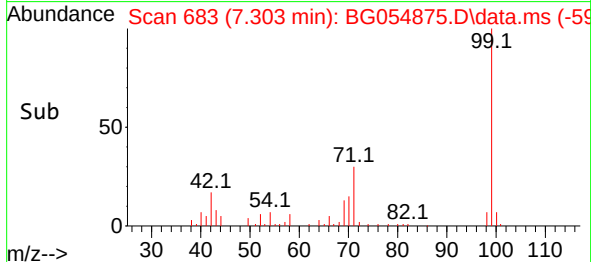
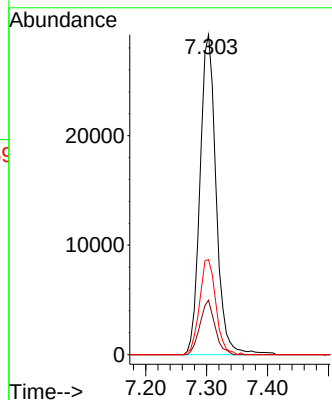
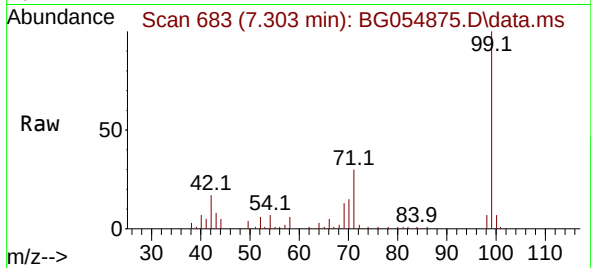




#7
Phenol-d6
Concen: 12.625 ng
RT: 7.303 min Scan# 61
Delta R.T. 0.007 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

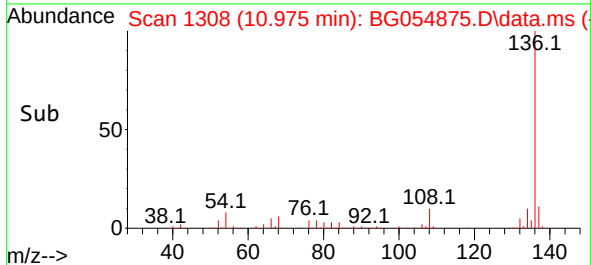
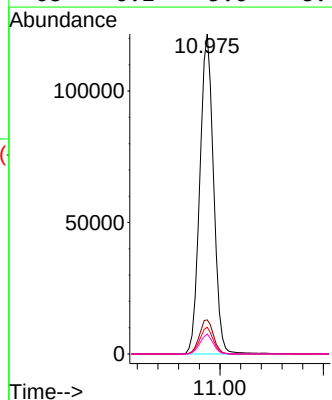
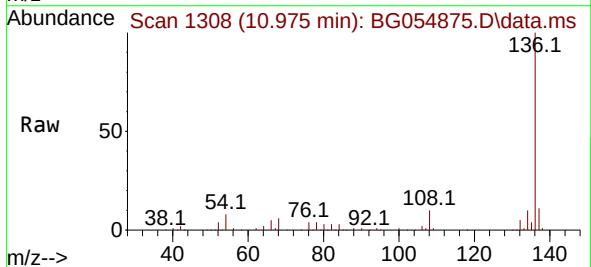
Instrument :
BNA_G
ClientSampleId :
SU-04-090622

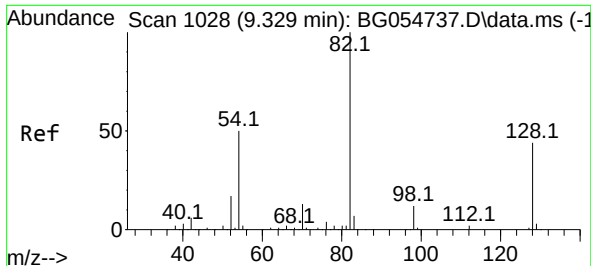
Tgt Ion: 99 Resp: 53650
Ion Ratio Lower Upper
99 100
42 17.0 14.6 22.0
71 29.7 24.6 37.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1308
Delta R.T. -0.005 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Tgt Ion: 136 Resp: 223725
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 8.3 7.7 11.5
68 6.2 5.6 8.4





#23
Nitrobenzene-d5
Concen: 7.518 ng
RT: 9.318 min Scan# 1026
Delta R.T. -0.010 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

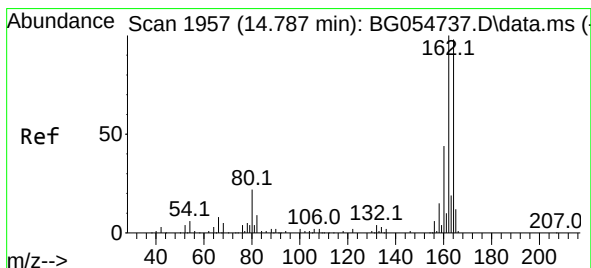
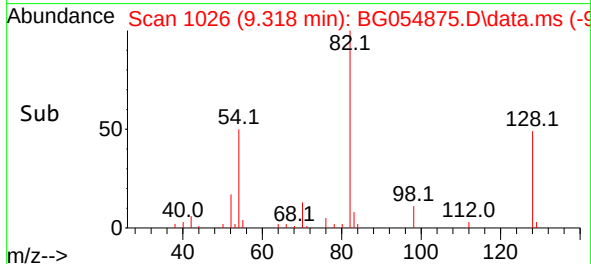
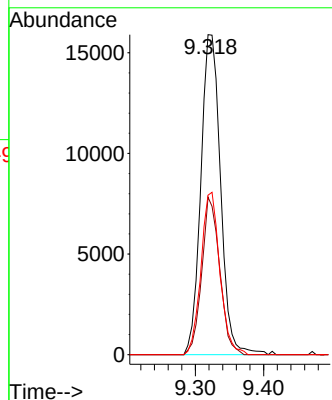
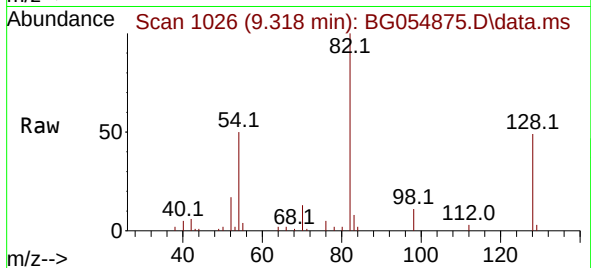
Instrument :

BNA_G

ClientSampleId :

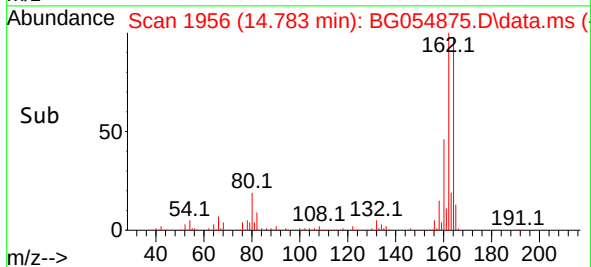
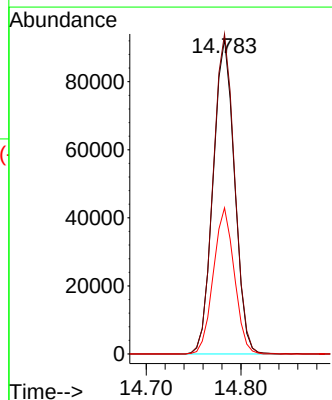
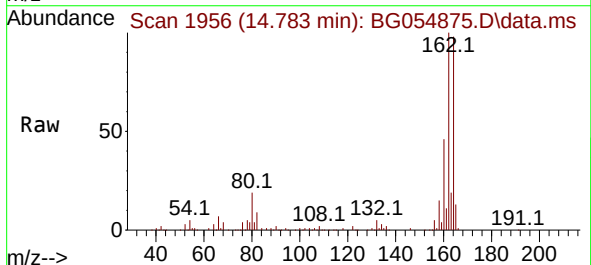
SU-04-090622

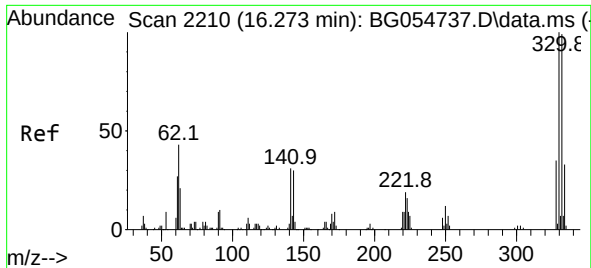
Tgt Ion: 82 Resp: 32039
Ion Ratio Lower Upper
82 100
128 49.2 32.2 48.2#
54 49.8 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.783 min Scan# 1956
Delta R.T. -0.004 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Tgt Ion:164 Resp: 144722
Ion Ratio Lower Upper
164 100
162 101.7 83.0 124.4
160 46.4 38.0 57.0

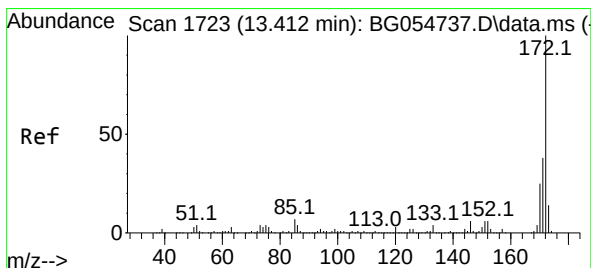
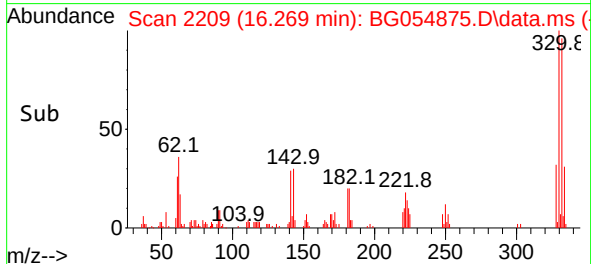
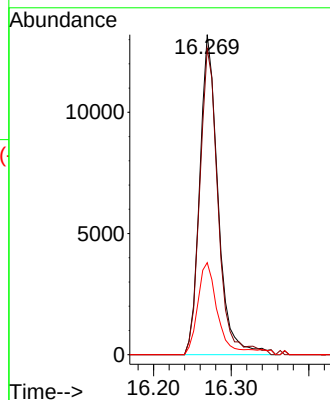
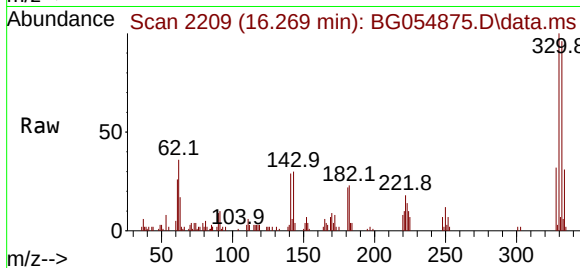




#42
 2,4,6-Tribromophenol
 Concen: 11.966 ng
 RT: 16.269 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG054875.D
 Acq: 7 Sep 2022 19:16

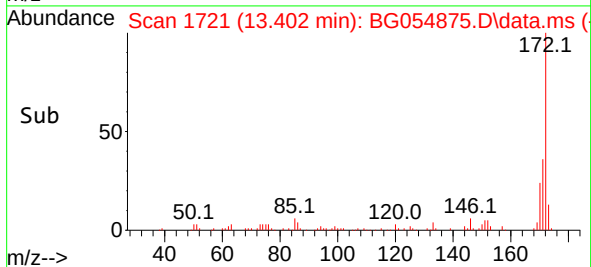
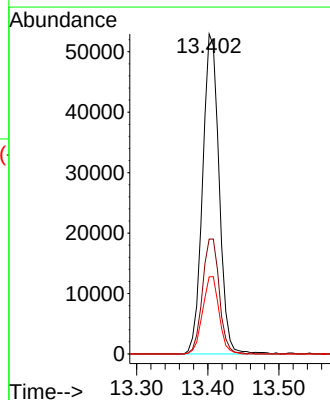
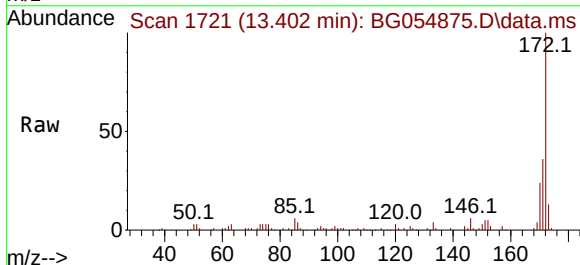
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 ClientSampleId :
 SU-04-090622

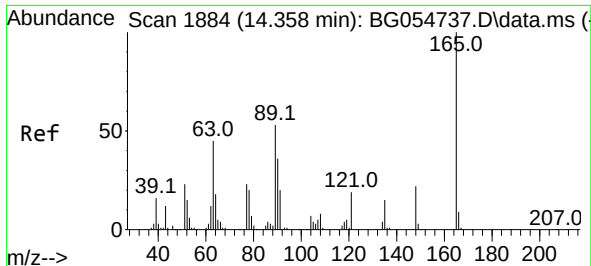
Tgt Ion:330 Resp: 21639
 Ion Ratio Lower Upper
 330 100
 332 95.3 79.8 119.6
 141 32.2 26.8 40.2



#45
 2-Fluorobiphenyl
 Concen: 8.900 ng
 RT: 13.402 min Scan# 1721
 Delta R.T. -0.010 min
 Lab File: BG054875.D
 Acq: 7 Sep 2022 19:16

Tgt Ion:172 Resp: 85693
 Ion Ratio Lower Upper
 172 100
 171 35.9 31.2 46.8
 170 24.1 20.6 30.8

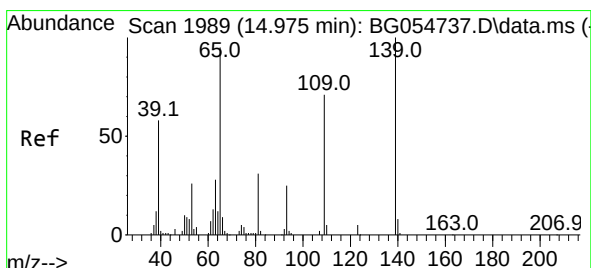
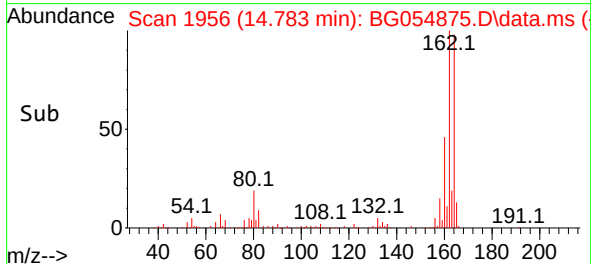
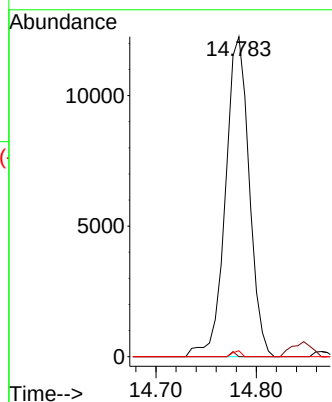
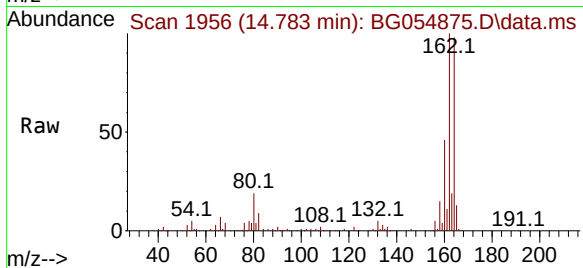




#51
2,6-Dinitrotoluene
Concen: 8.802 ng
RT: 14.783 min Scan# 14
Delta R.T. 0.425 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

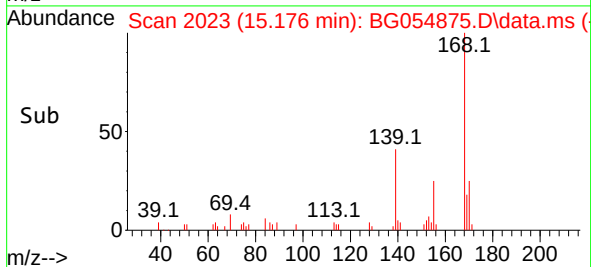
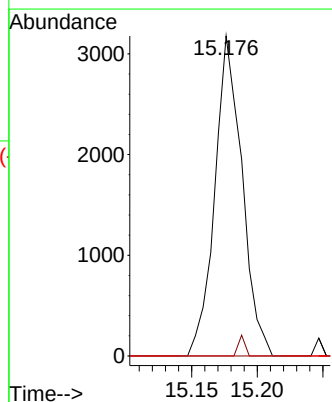
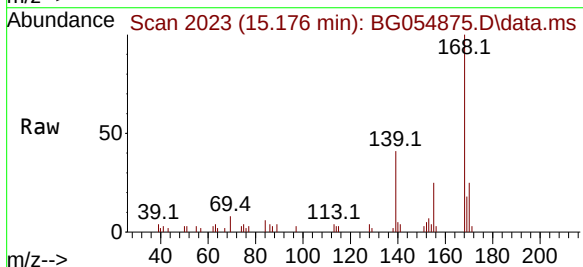
Instrument :
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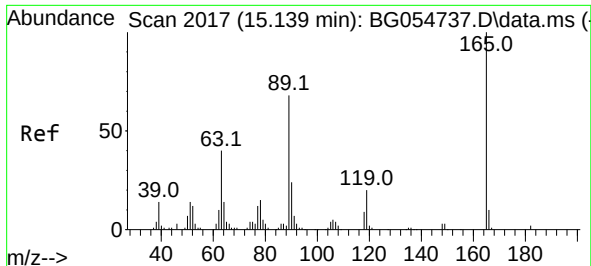
Tgt Ion:165 Resp: 20072
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 1.9 50.3 75.5#



#56
4-Nitrophenol
Concen: 2.323 ng
RT: 15.176 min Scan# 2023
Delta R.T. 0.201 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Tgt Ion:139 Resp: 4590
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 0.0 79.9 119.9#





#57

2,4-Dinitrotoluene

Concen: 6.363 ng

RT: 14.783 min Scan# 1956

Delta R.T. -0.357 min

Lab File: BG054875.D

Acq: 7 Sep 2022 19:16

Instrument :

BNA_G

ClientSampleId :

SU-04-090622

Tgt Ion:165 Resp: 20072

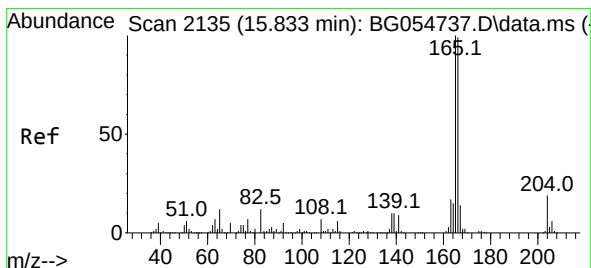
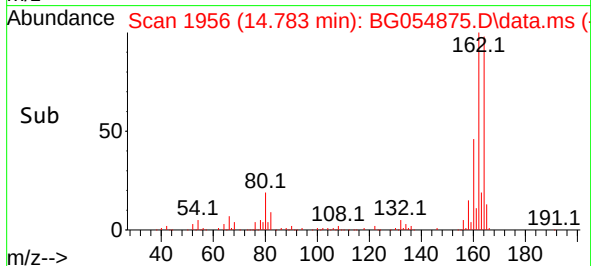
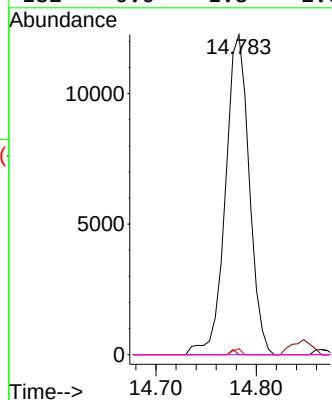
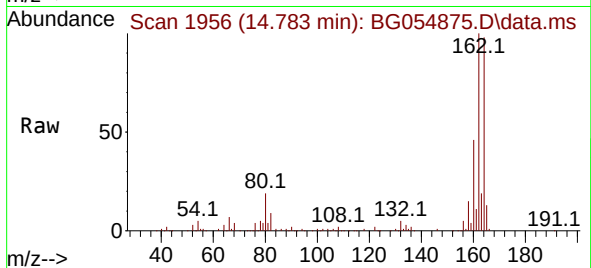
Ion Ratio Lower Upper

165 100

63 0.0 36.8 55.2#

89 1.9 64.3 96.5#

182 0.0 1.8 2.6#



#58

Fluorene

Concen: 2.391 ng

RT: 15.828 min Scan# 2134

Delta R.T. -0.004 min

Lab File: BG054875.D

Acq: 7 Sep 2022 19:16

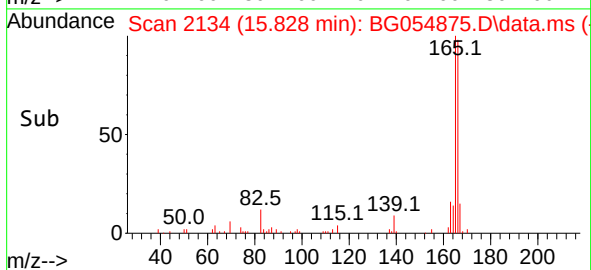
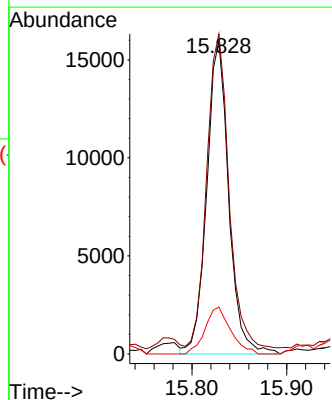
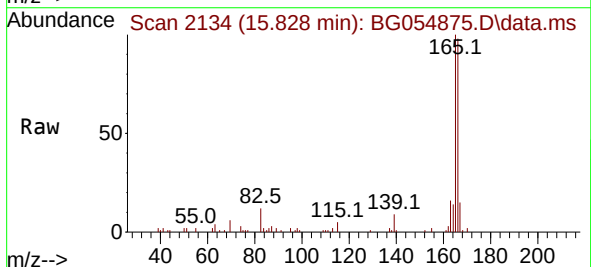
Tgt Ion:166 Resp: 25605

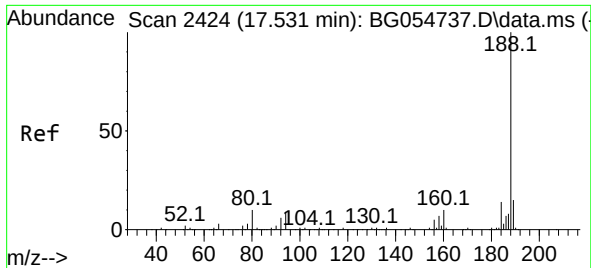
Ion Ratio Lower Upper

166 100

165 102.3 80.8 121.2

167 15.0 11.4 17.0

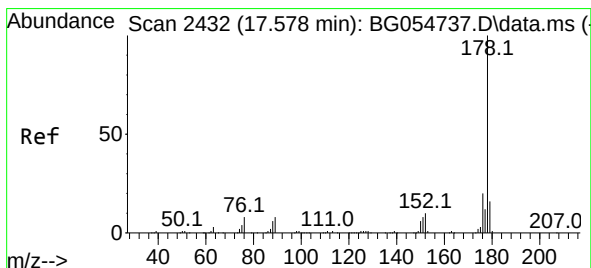
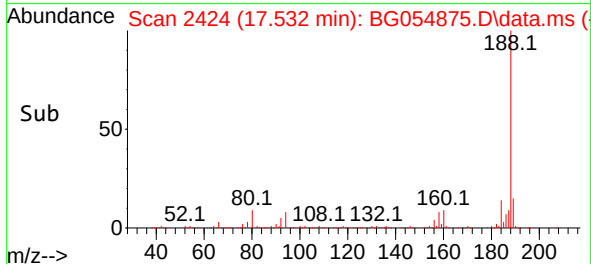
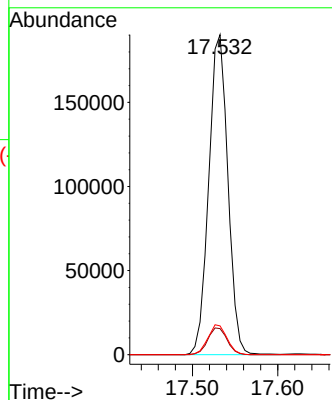
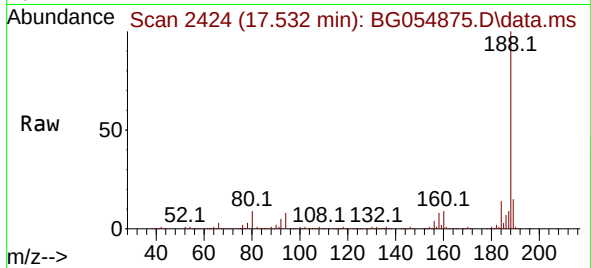




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.532 min Scan# 2424
Delta R.T. 0.002 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

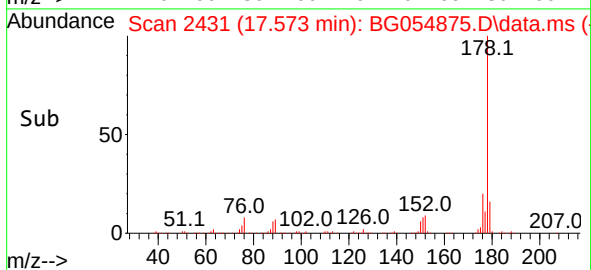
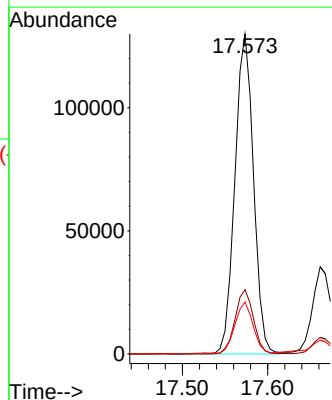
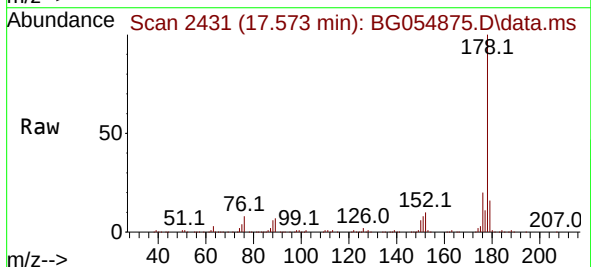
Instrument :
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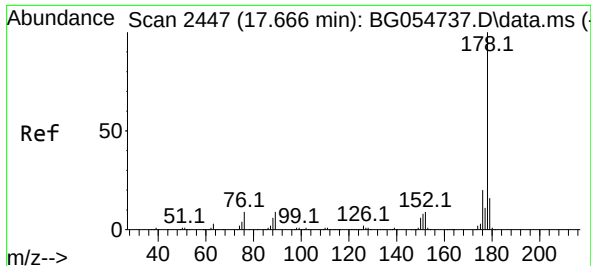
Tgt Ion:188 Resp: 296775
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 9.0 7.9 11.9



#71
Phenanthrene
Concen: 12.442 ng
RT: 17.573 min Scan# 2431
Delta R.T. -0.004 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Tgt Ion:178 Resp: 196698
Ion Ratio Lower Upper
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176 20.1 16.6 25.0
179 16.3 12.8 19.2

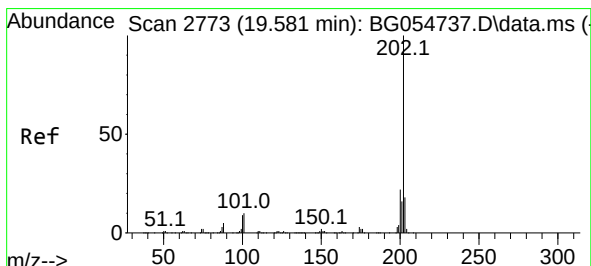
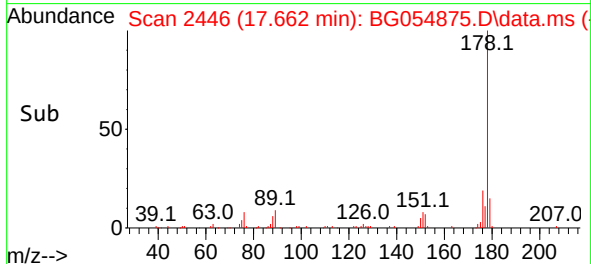
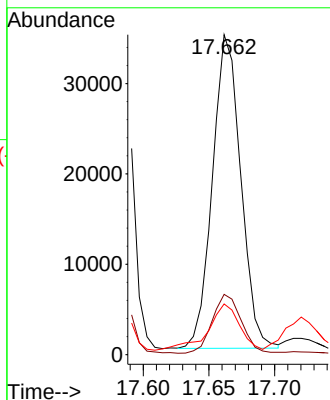
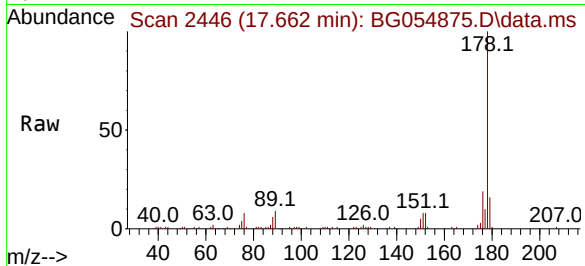




#72
 Anthracene
 Concen: 3.387 ng
 RT: 17.662 min Scan# 2447
 Delta R.T. -0.004 min
 Lab File: BG054875.D
 Acq: 7 Sep 2022 19:16

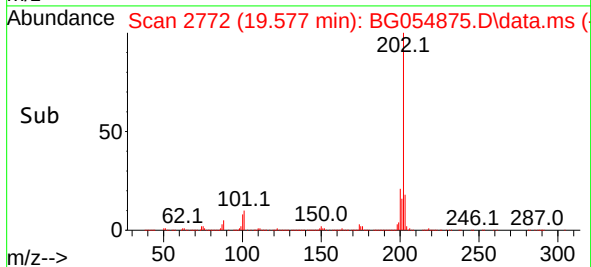
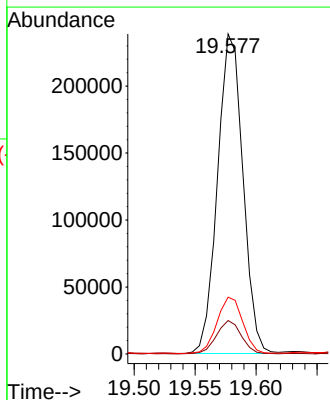
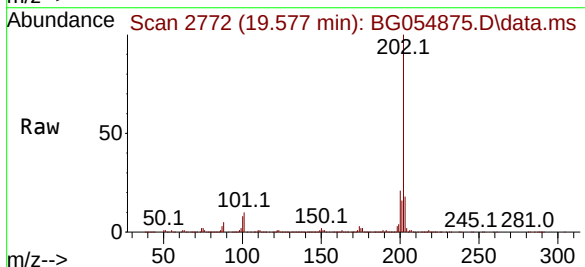
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-090622

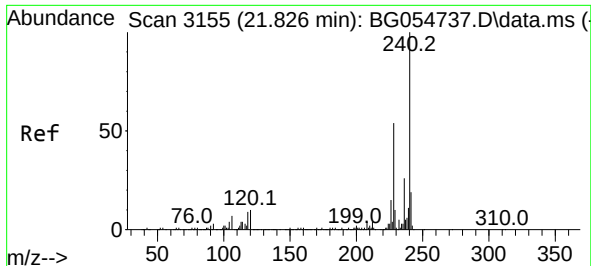
Tgt Ion:178 Resp: 52058
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.9 12.9 19.3



#75
 Fluoranthene
 Concen: 17.982 ng
 RT: 19.577 min Scan# 2772
 Delta R.T. -0.004 min
 Lab File: BG054875.D
 Acq: 7 Sep 2022 19:16

Tgt Ion:202 Resp: 345837
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.4
 203 17.8 0.0 38.6

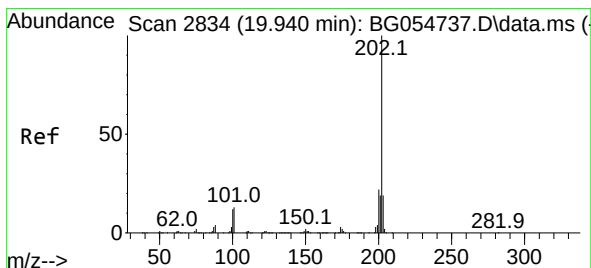
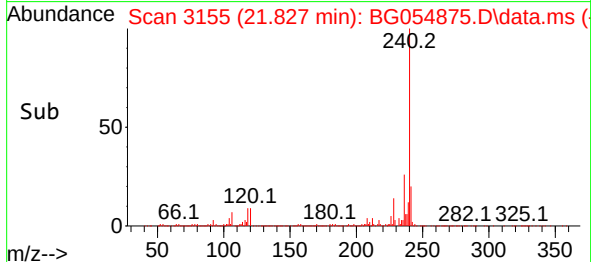
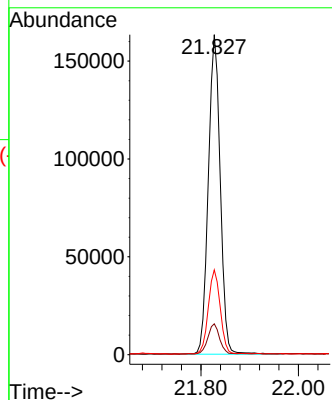
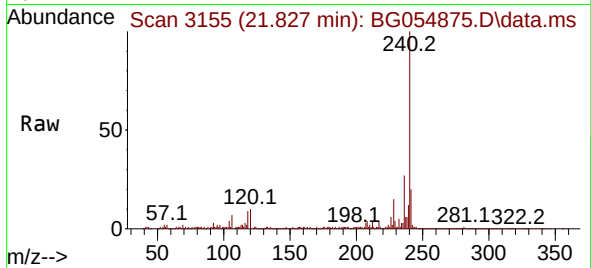




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.827 min Scan# 3155
Delta R.T. 0.002 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

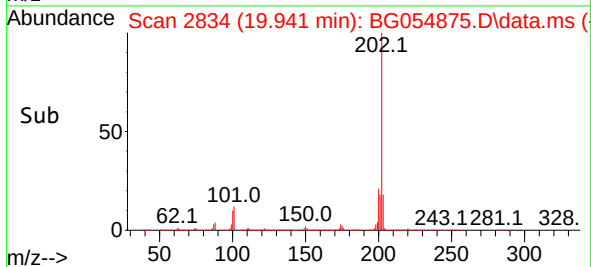
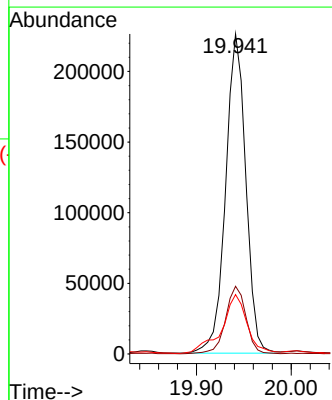
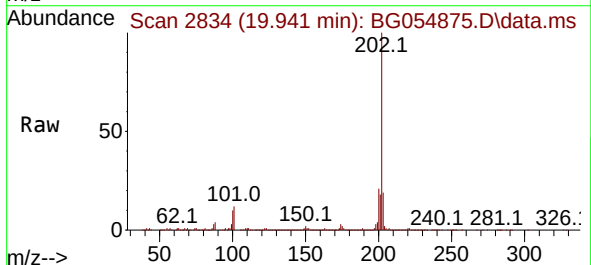
Instrument :
BNA_G
ClientSampleId :
SU-04-090622

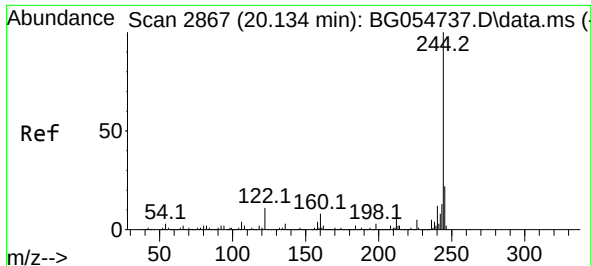
Tgt Ion:240 Resp: 275778
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.4
236 26.5 21.2 31.8



#78
Pyrene
Concen: 17.433 ng
RT: 19.941 min Scan# 2834
Delta R.T. 0.002 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Tgt Ion:202 Resp: 335241
Ion Ratio Lower Upper
202 100
200 21.1 17.8 26.6
203 18.6 14.6 21.8

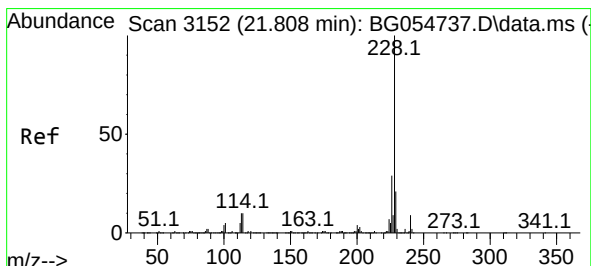
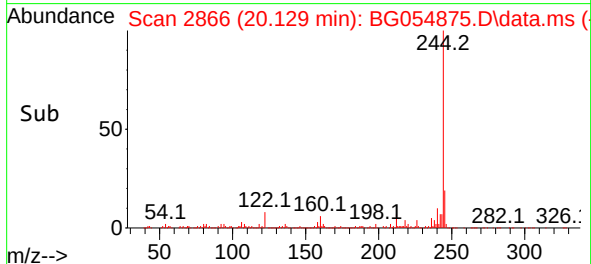
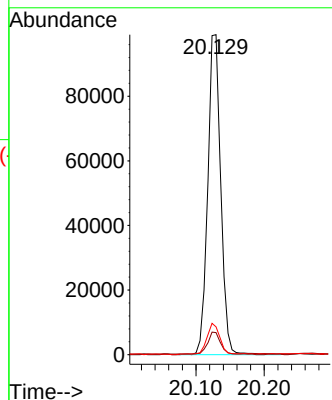
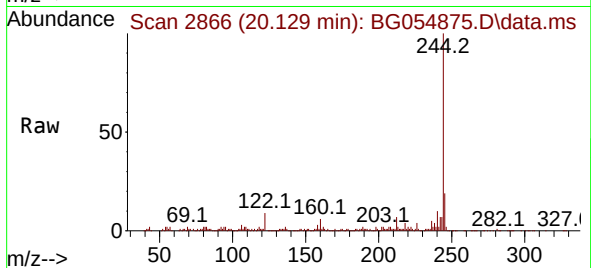




#79
 Terphenyl-d14
 Concen: 9.452 ng
 RT: 20.129 min Scan# 2186
 Delta R.T. -0.004 min
 Lab File: BG054875.D
 Acq: 7 Sep 2022 19:16

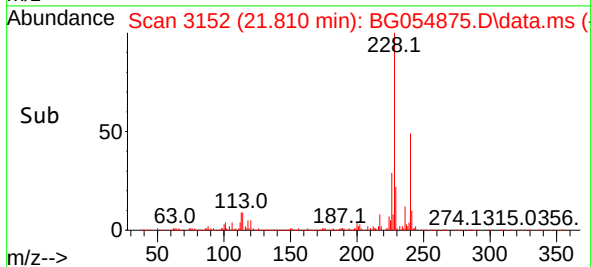
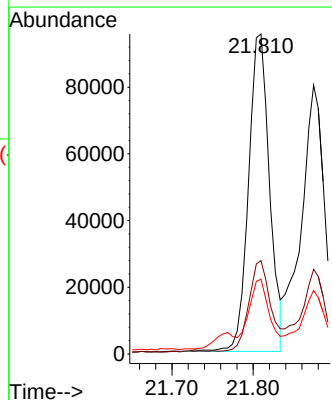
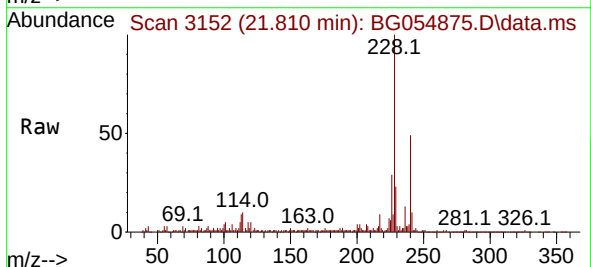
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-090622

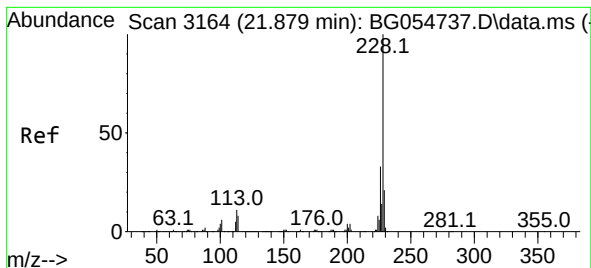
Tgt Ion:244 Resp: 131563
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 8.7 9.0 13.6#



#81
 Benzo(a)anthracene
 Concen: 9.133 ng
 RT: 21.810 min Scan# 3152
 Delta R.T. 0.002 min
 Lab File: BG054875.D
 Acq: 7 Sep 2022 19:16

Tgt Ion:228 Resp: 170782
 Ion Ratio Lower Upper
 228 100
 226 29.1 23.4 35.2
 229 23.3 16.5 24.7





#83

Chrysene

Concen: 8.629 ng

RT: 21.874 min Scan# 3163

Delta R.T. -0.004 min

Lab File: BG054875.D

Acq: 7 Sep 2022 19:16

Instrument :

BNA_G

ClientSampleId :

SU-04-090622

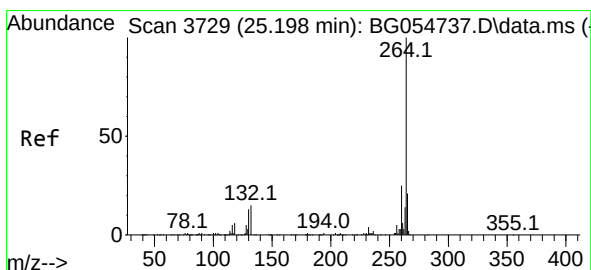
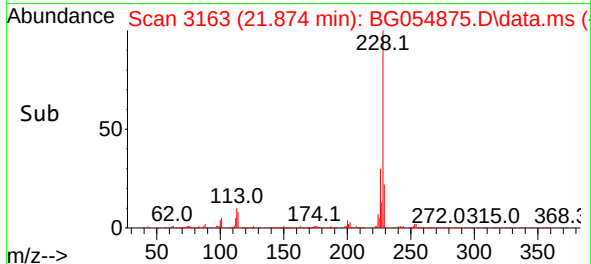
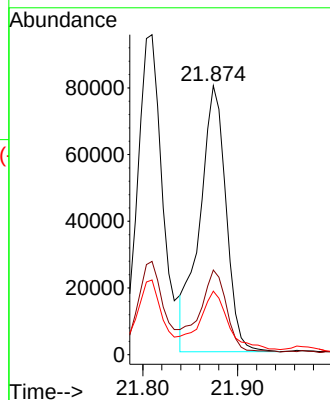
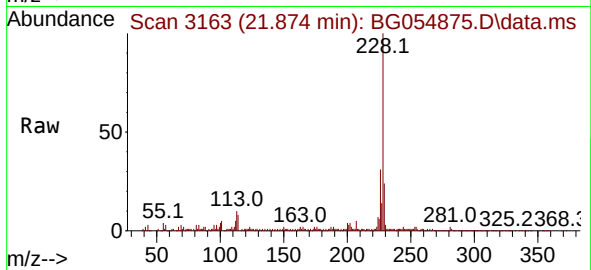
Tgt Ion:228 Resp: 154273

Ion Ratio Lower Upper

228 100

226 31.5 25.5 38.3

229 23.6 16.8 25.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.212 min Scan# 3731

Delta R.T. 0.013 min

Lab File: BG054875.D

Acq: 7 Sep 2022 19:16

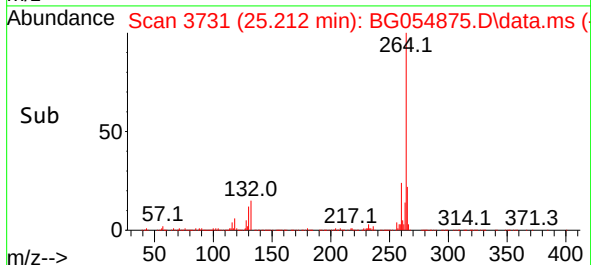
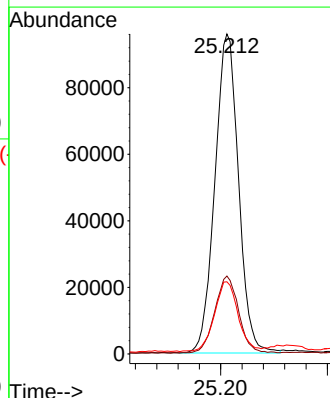
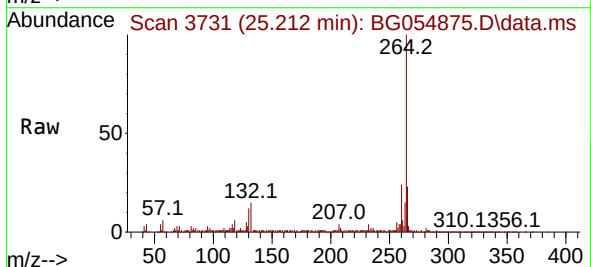
Tgt Ion:264 Resp: 295177

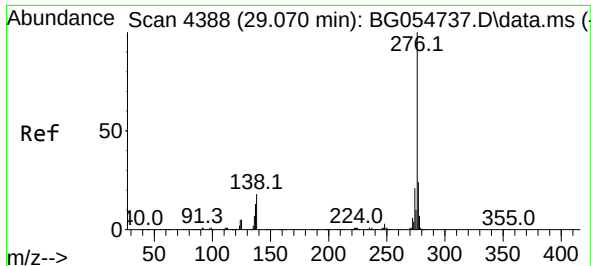
Ion Ratio Lower Upper

264 100

260 24.4 19.9 29.9

265 22.5 16.9 25.3

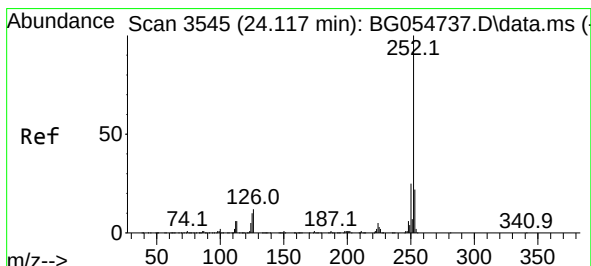
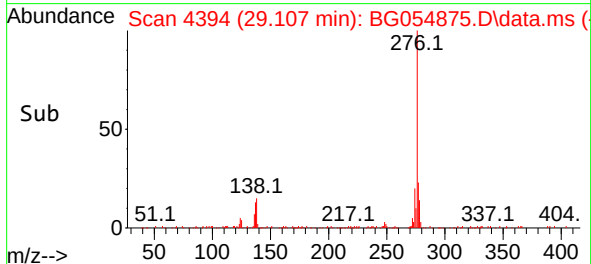
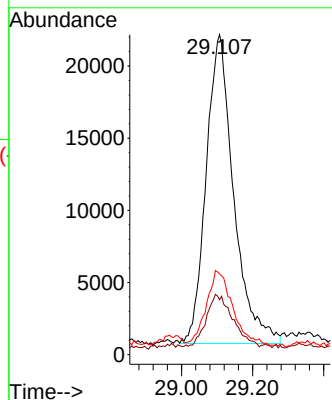
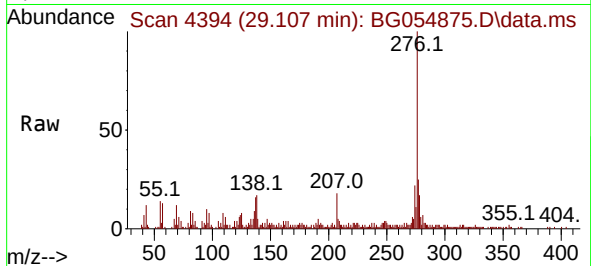




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.148 ng
RT: 29.107 min Scan# 41
Delta R.T. 0.037 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

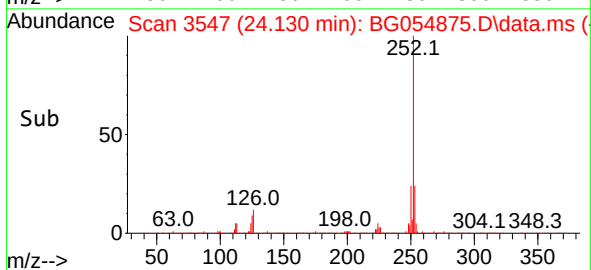
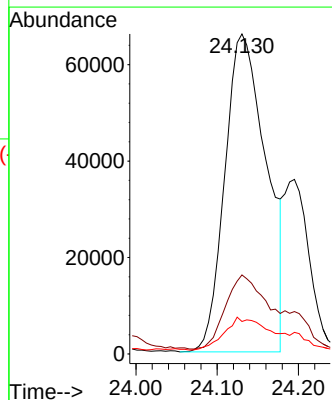
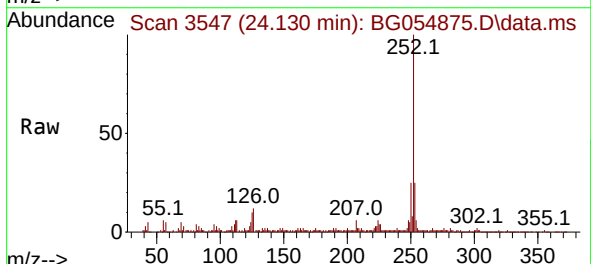
Instrument :
BNA_G
ClientSampleId :
SU-04-090622

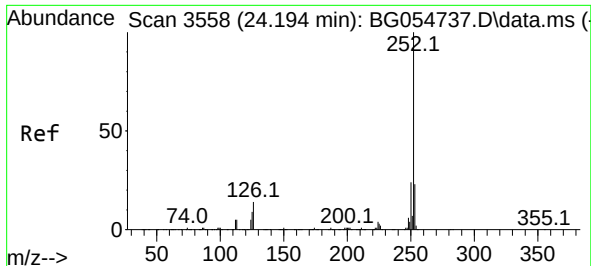
Tgt Ion:276 Resp: 115356
Ion Ratio Lower Upper
276 100
138 16.5 12.0 18.0
277 23.9 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 12.635 ng
RT: 24.130 min Scan# 3547
Delta R.T. 0.013 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Tgt Ion:252 Resp: 233967
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 10.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 12.555 ng

RT: 24.130 min Scan# 3

Delta R.T. -0.063 min

Lab File: BG054875.D

Acq: 7 Sep 2022 19:16

Instrument :

BNA_G

ClientSampleId :

SU-04-090622

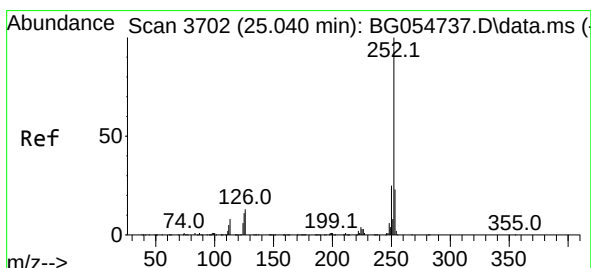
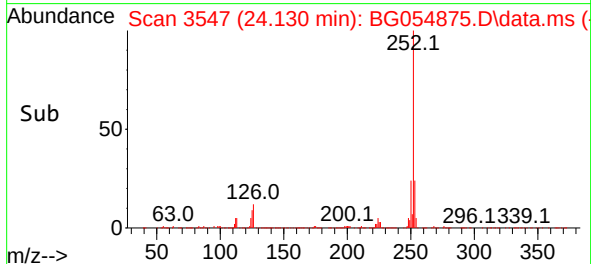
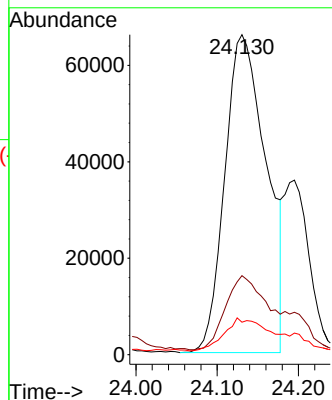
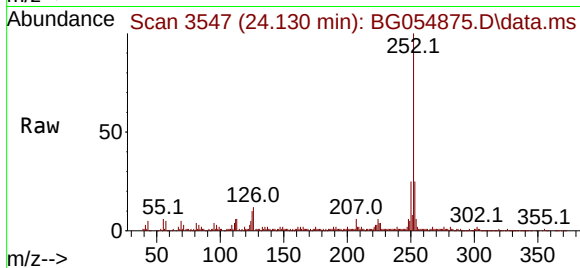
Tgt Ion:252 Resp: 233967

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

125 10.1 8.2 12.4



#90

Benzo(a)pyrene

Concen: 11.432 ng

RT: 25.047 min Scan# 3703

Delta R.T. 0.007 min

Lab File: BG054875.D

Acq: 7 Sep 2022 19:16

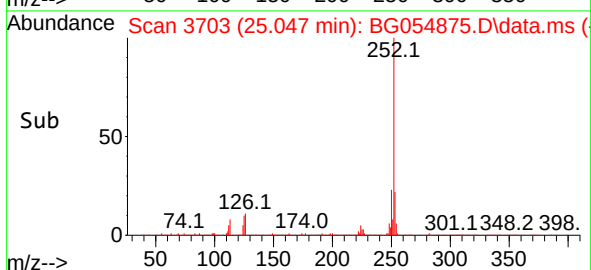
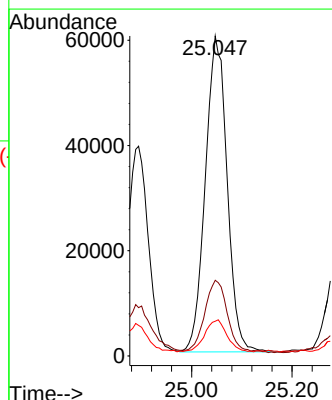
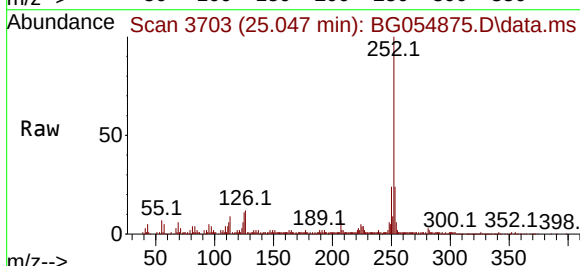
Tgt Ion:252 Resp: 180858

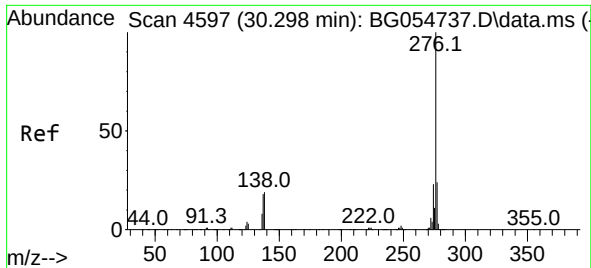
Ion Ratio Lower Upper

252 100

253 23.7 18.3 27.5

125 10.9 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 6.254 ng
RT: 30.323 min Scan# 4
Delta R.T. 0.025 min
Lab File: BG054875.D
Acq: 7 Sep 2022 19:16

Instrument :
BNA_G
ClientSampleId :
SU-04-090622

Tgt Ion:276 Resp: 115352
Ion Ratio Lower Upper
276 100
277 23.6 19.4 29.0
138 18.6 16.6 25.0

