

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
 Data File : BG053674.D
 Acq On : 23 May 2022 21:28
 Operator : CG/JU
 Sample : N2982-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-6

Quant Time: May 24 05:10:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

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

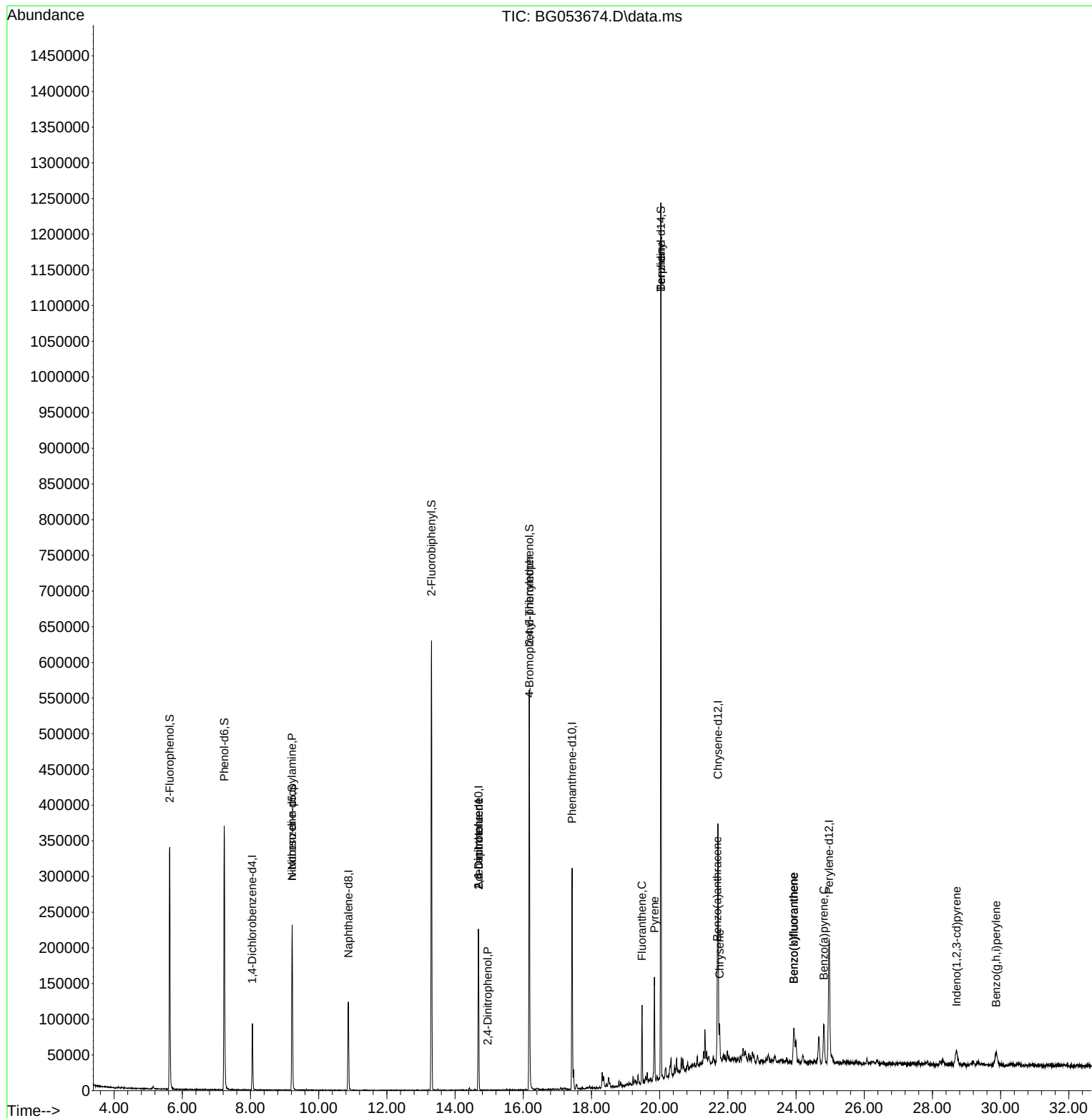
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.052	152	25121	20.000	ng	0.00
21) Naphthalene-d8	10.872	136	104825	20.000	ng	0.00
39) Acenaphthene-d10	14.690	164	83529	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	198682	20.000	ng	0.00
76) Chrysene-d12	21.710	240	188438	20.000	ng	0.00
86) Perylene-d12	24.970	264	190152	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.632	112	144442	97.583	ng	0.00
7) Phenol-d6	7.230	99	219051	97.511	ng	0.00
23) Nitrobenzene-d5	9.221	82	150962	61.304	ng	0.00
42) 2,4,6-Tribromophenol	16.176	330	113835	92.402	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	336324	58.837	ng	0.00
79) Terphenyl-d14	20.036	244	595545	58.862	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.221	70	20751	12.874	ng	# 77
51) 2,6-Dinitrotoluene	14.690	165	10222	7.905	ng	# 17
54) 2,4-Dinitrophenol	14.954	184	77	6.331	ng	# 11
57) 2,4-Dinitrotoluene	14.690	165	10222	5.453	ng	# 23
67) 4-Bromophenyl-phenylether	16.182	248	7550	3.254	ng	# 1
75) Fluoranthene	19.484	202	68116	5.207	ng	97
77) Benzidine	20.036	184	9663	2.379	ng	# 94
78) Pyrene	19.848	202	95344	7.816	ng	99
81) Benzo(a)anthracene	21.687	228	51852	4.314	ng	97
83) Chrysene	21.757	228	39685	3.535	ng	99
87) Indeno(1,2,3-cd)pyrene	28.712	276	35197	2.658	ng	# 56
88) Benzo(b)fluoranthene	23.936	252	61414	5.456	ng	96
89) Benzo(k)fluoranthene	23.936	252	61414	5.553	ng	95
90) Benzo(a)pyrene	24.812	252	56558	5.904	ng	93
92) Benzo(g,h,i)perylene	29.870	276	40350	3.730	ng	98

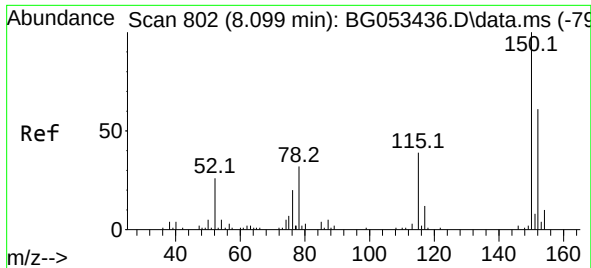
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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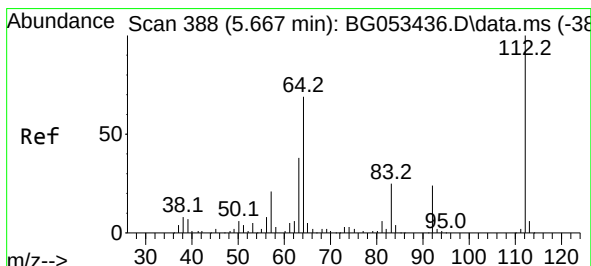
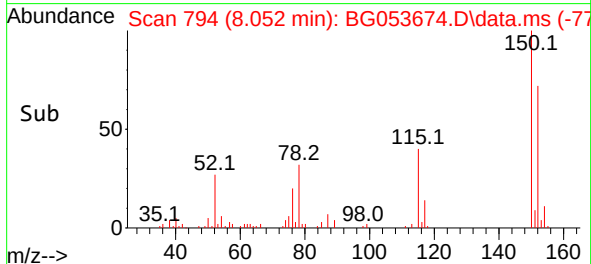
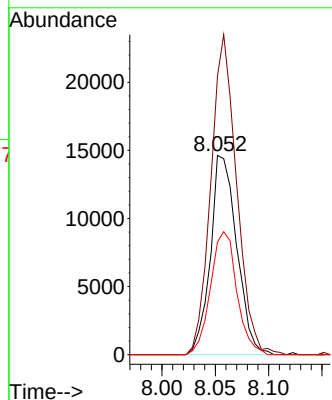
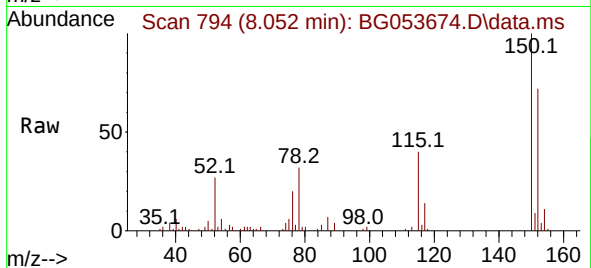




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.052 min Scan# 794
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

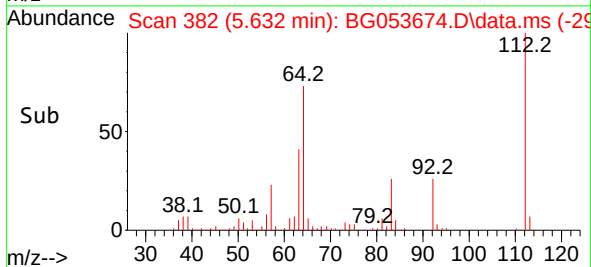
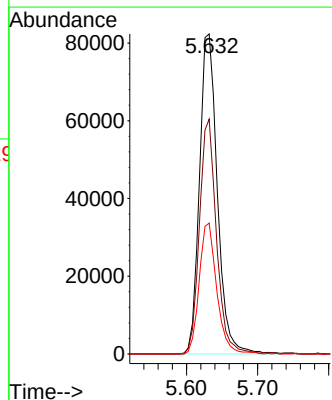
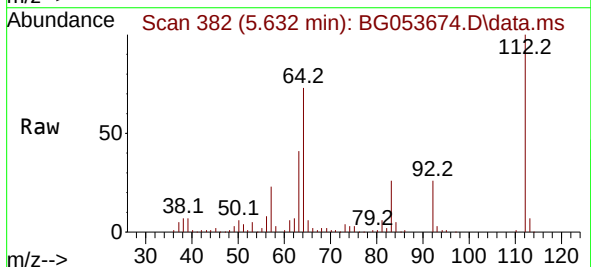
Instrument :
BNA_G
ClientSampleId :
P-6

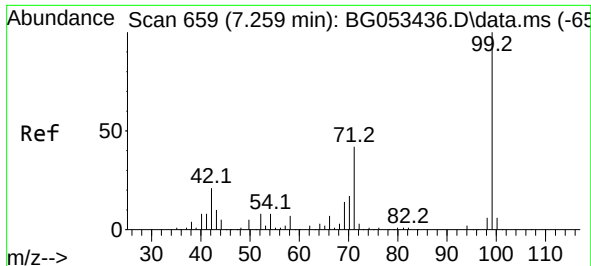
Tgt Ion:152 Resp: 25121
Ion Ratio Lower Upper
152 100
150 139.8 131.6 197.4
115 56.5 50.9 76.3



#5
2-Fluorophenol
Concen: 97.583 ng
RT: 5.632 min Scan# 382
Delta R.T. 0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

Tgt Ion:112 Resp: 144442
Ion Ratio Lower Upper
112 100
64 73.4 55.1 82.7
63 40.9 30.4 45.6

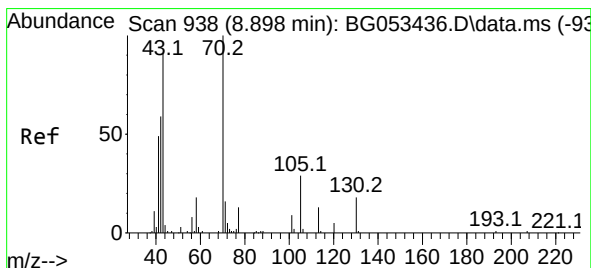
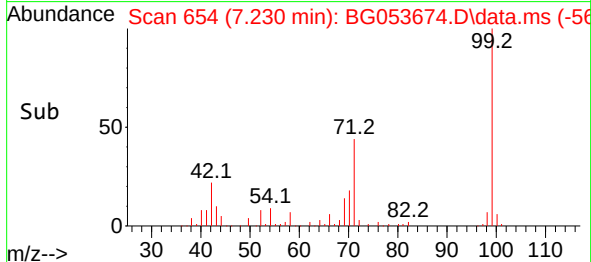
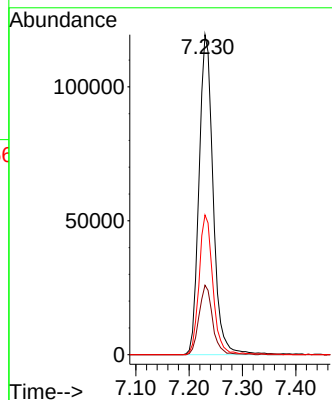
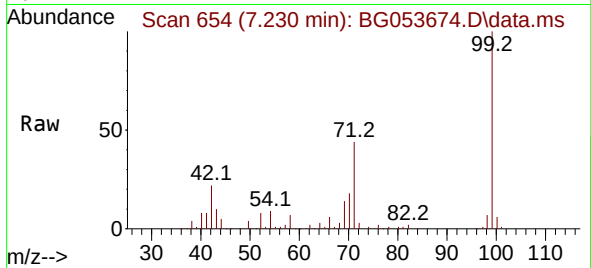




#7
Phenol-d6
Concen: 97.511 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

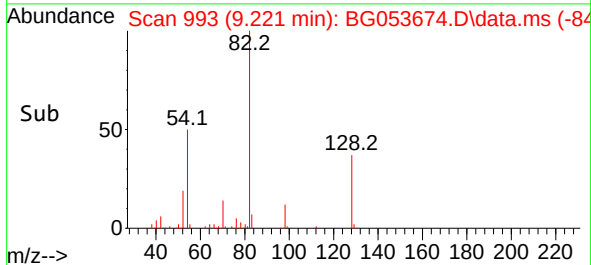
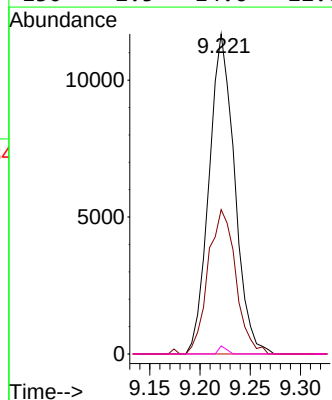
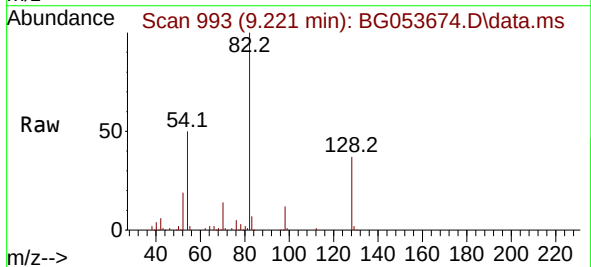
Instrument :
BNA_G
ClientSampleId :
P-6

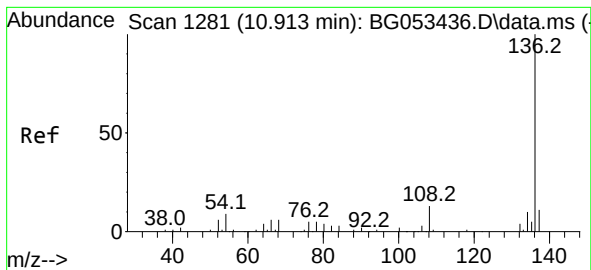
Tgt Ion: 99 Resp: 219051
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 43.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.874 ng
RT: 9.221 min Scan# 993
Delta R.T. 0.359 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

Tgt Ion: 70 Resp: 20751
Ion Ratio Lower Upper
70 100
42 45.1 47.3 70.9#
101 0.0 7.0 10.4#
130 2.5 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.872 min Scan# 104825

Delta R.T. 0.000 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

Instrument :

BNA_G

ClientSampleId :

P-6

Tgt Ion:136 Resp: 104825

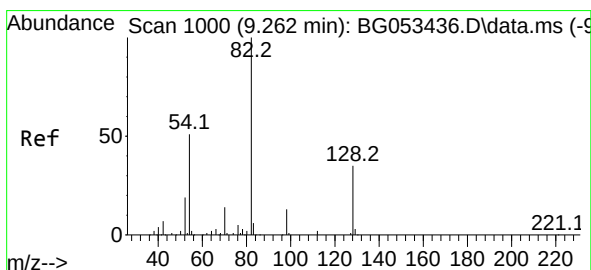
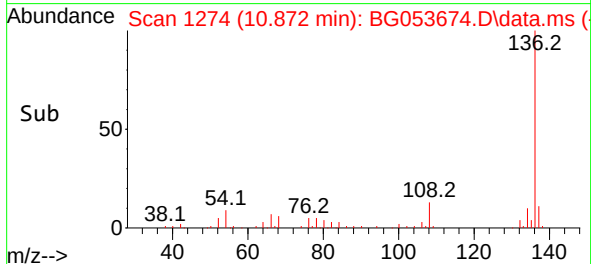
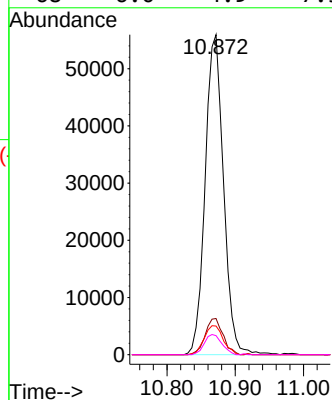
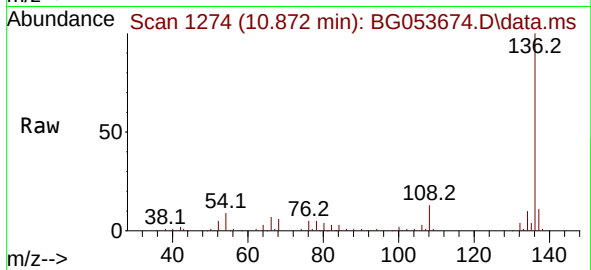
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 9.0 7.4 11.2

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 61.304 ng

RT: 9.221 min Scan# 993

Delta R.T. -0.006 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

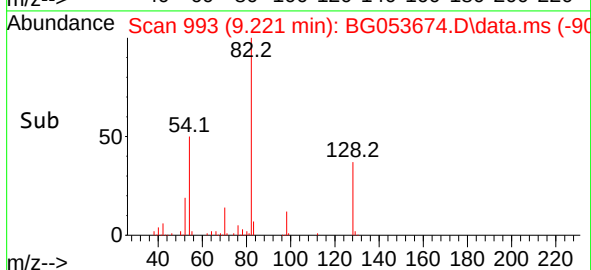
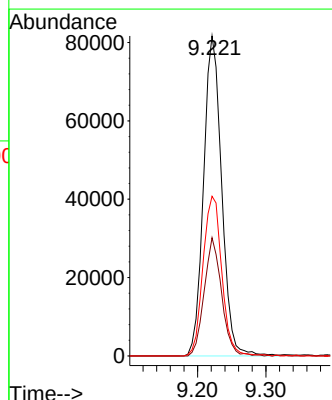
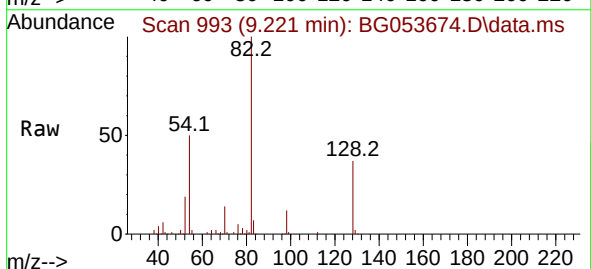
Tgt Ion: 82 Resp: 150962

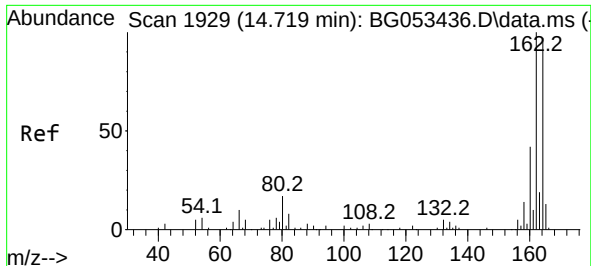
Ion Ratio Lower Upper

82 100

128 36.9 27.9 41.9

54 49.9 41.2 61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.690 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

Instrument :

BNA_G

ClientSampleId :

P-6

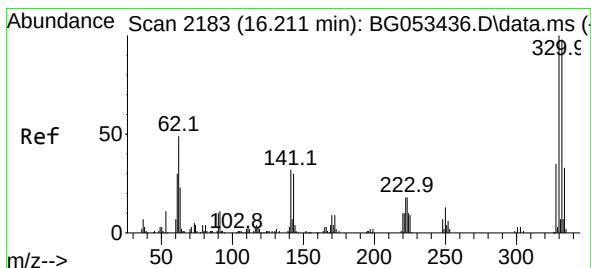
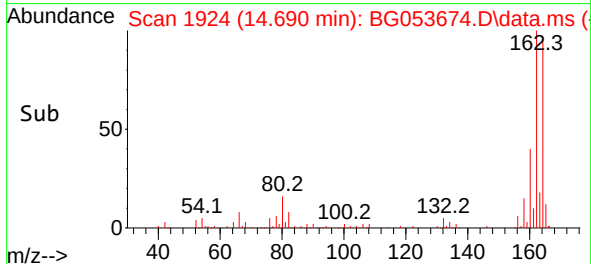
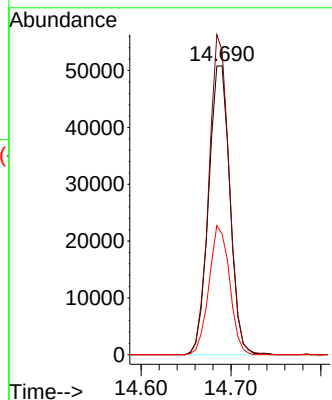
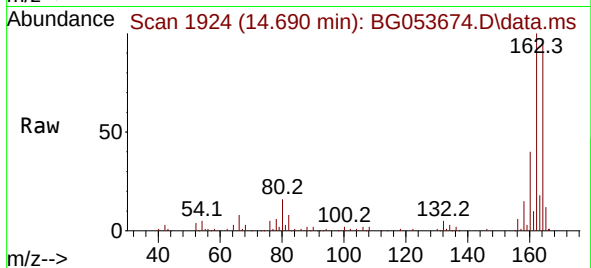
Tgt Ion:164 Resp: 83529

Ion Ratio Lower Upper

164 100

162 105.3 82.3 123.5

160 41.7 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 92.402 ng

RT: 16.176 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

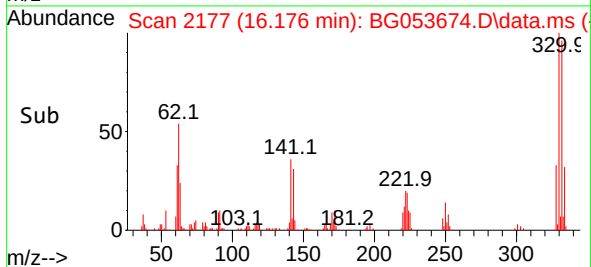
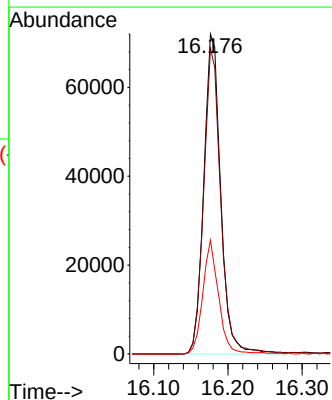
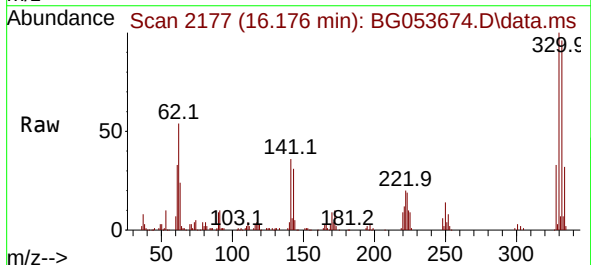
Tgt Ion:330 Resp: 113835

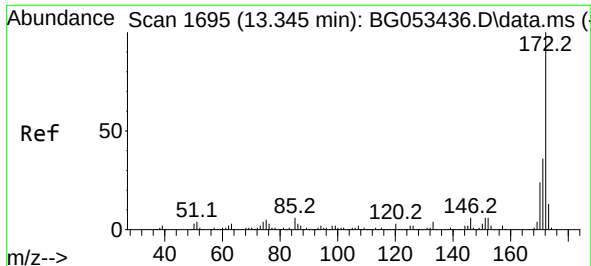
Ion Ratio Lower Upper

330 100

332 96.5 76.0 114.0

141 33.5 27.1 40.7

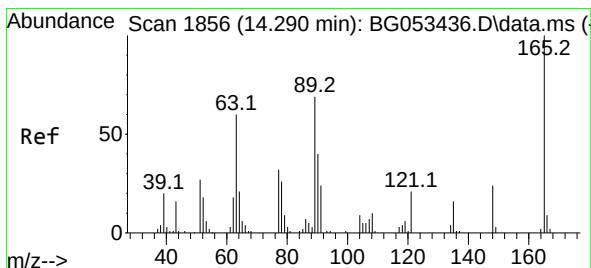
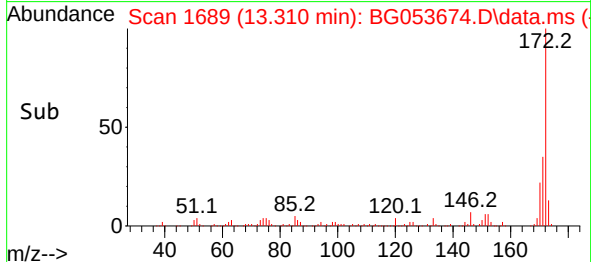
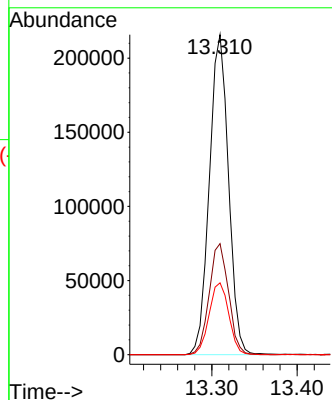
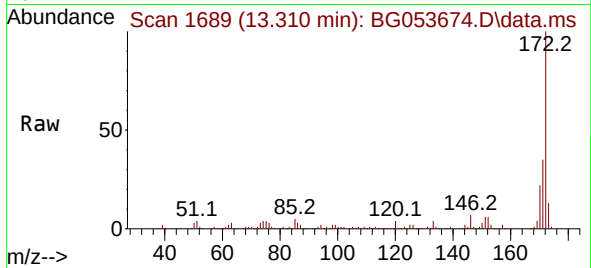




#45
2-Fluorobiphenyl
Concen: 58.837 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

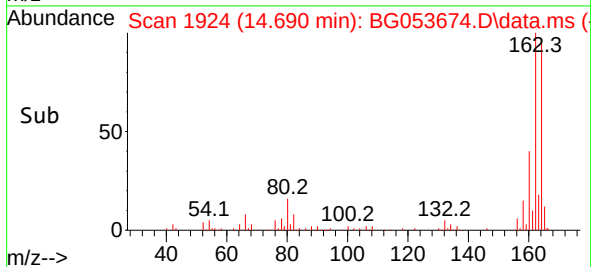
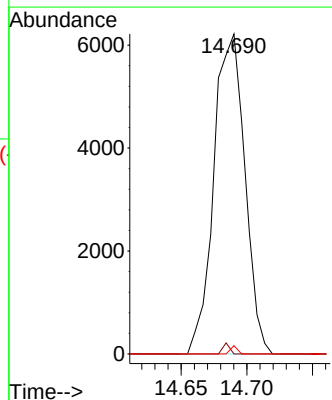
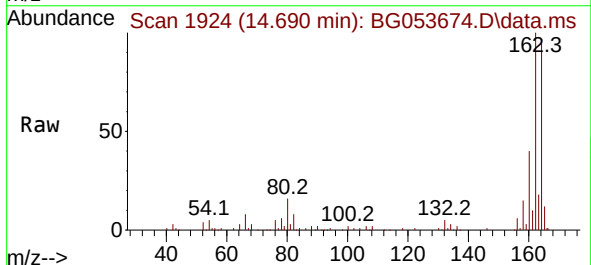
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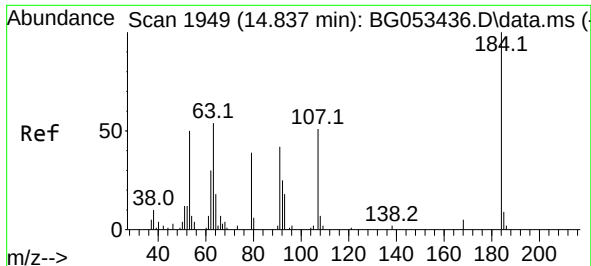
Tgt Ion:172 Resp: 336324
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 22.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.905 ng
RT: 14.690 min Scan# 1924
Delta R.T. 0.429 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

Tgt Ion:165 Resp: 10222
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 2.6 54.8 82.2#

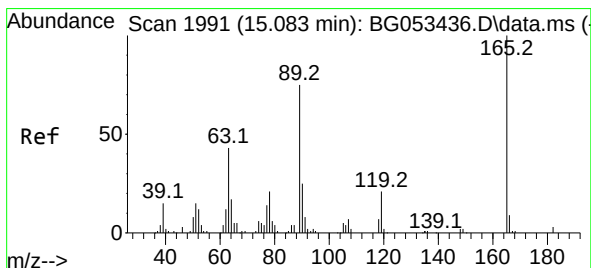
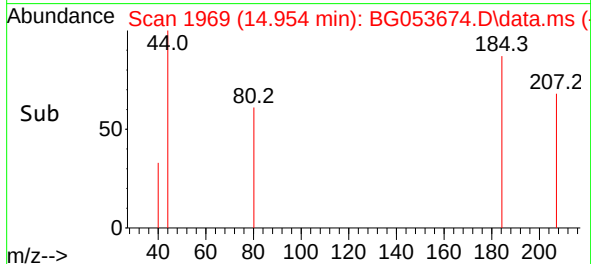
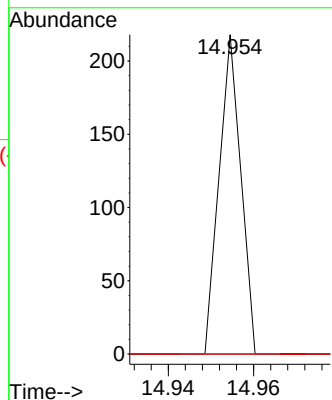
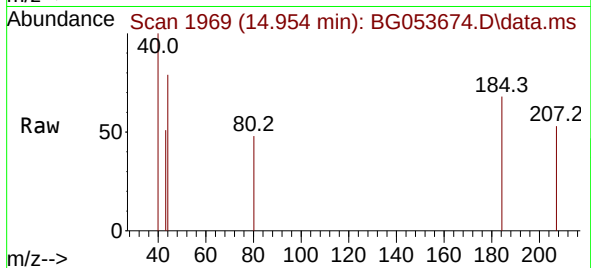




#54
2,4-Dinitrophenol
Concen: 6.331 ng
RT: 14.954 min Scan# 1949
Delta R.T. 0.135 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

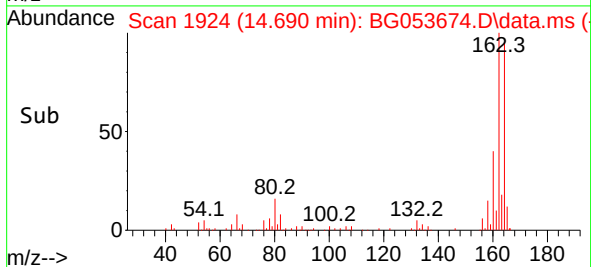
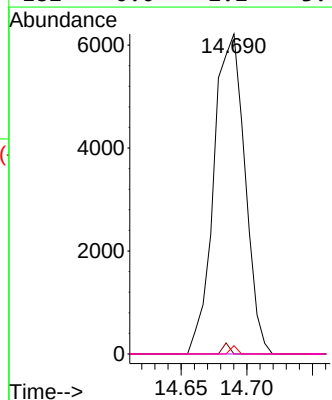
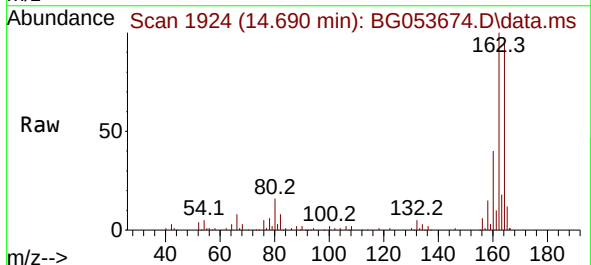
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BNA_G
ClientSampleId :
P-6

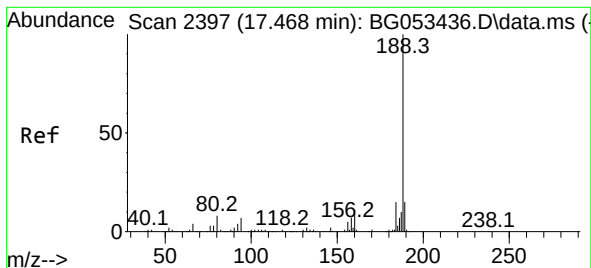
Tgt Ion:184 Resp: 77
Ion Ratio Lower Upper
184 100
63 0.0 61.1 91.7#
154 0.0 60.6 91.0#



#57
2,4-Dinitrotoluene
Concen: 5.453 ng
RT: 14.690 min Scan# 1924
Delta R.T. -0.364 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

Tgt Ion:165 Resp: 10222
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 2.6 60.3 90.5#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

Instrument :

BNA_G

ClientSampleId :

P-6

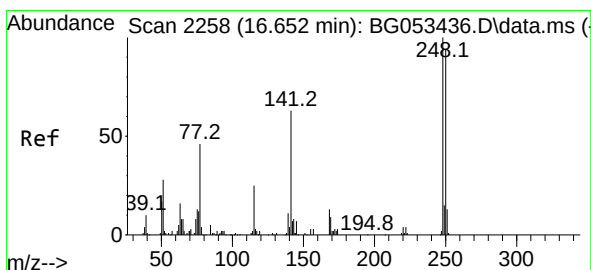
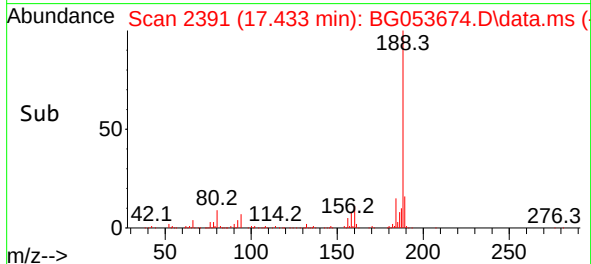
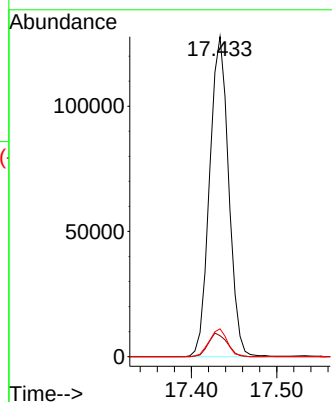
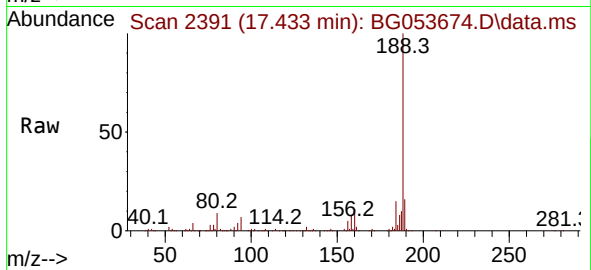
Tgt Ion:188 Resp: 198682

Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.0

80 8.7 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 3.254 ng

RT: 16.182 min Scan# 2178

Delta R.T. -0.434 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

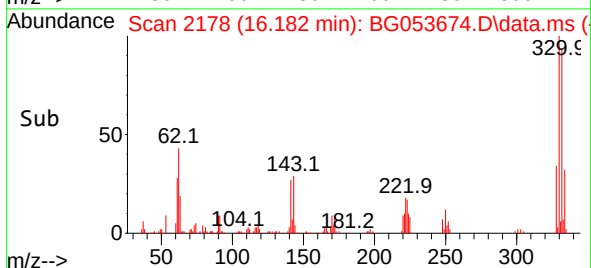
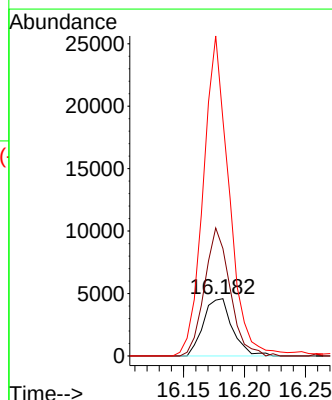
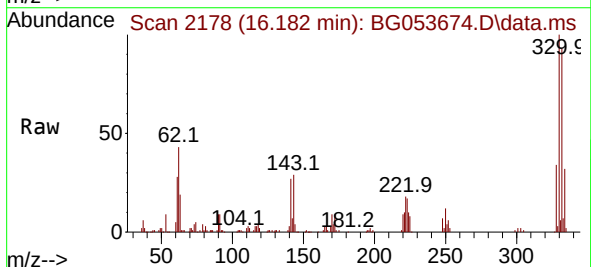
Tgt Ion:248 Resp: 7550

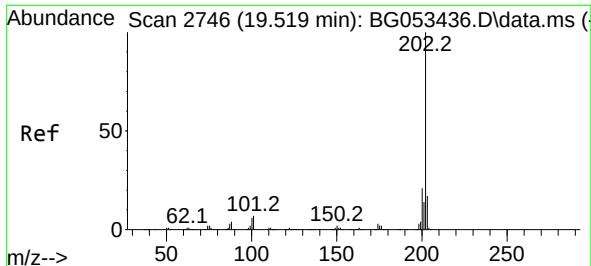
Ion Ratio Lower Upper

248 100

250 187.3 75.2 112.8#

141 412.1 50.0 75.0#

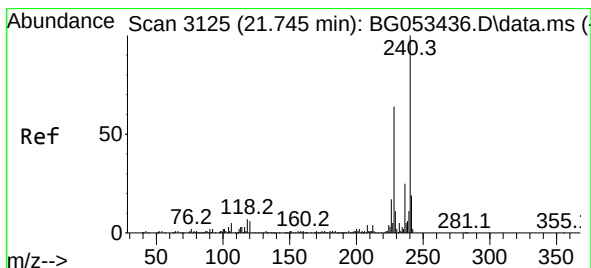
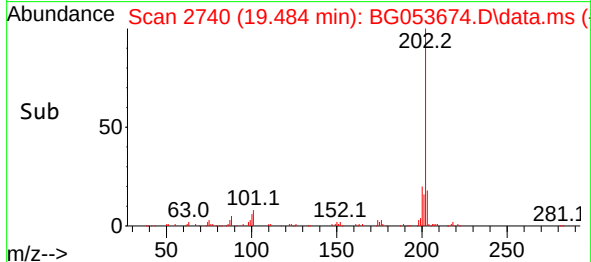
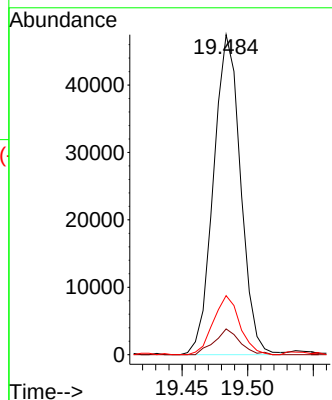
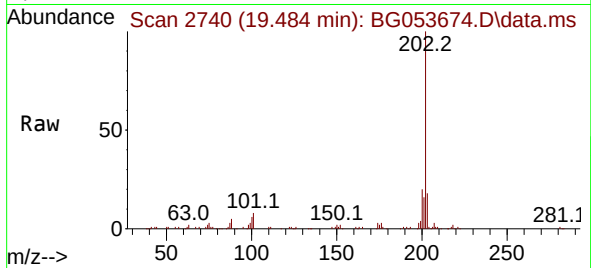




#75
Fluoranthene
Concen: 5.207 ng
RT: 19.484 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

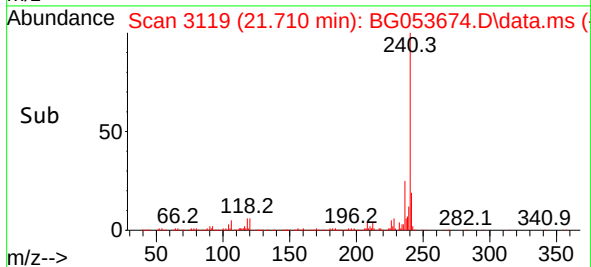
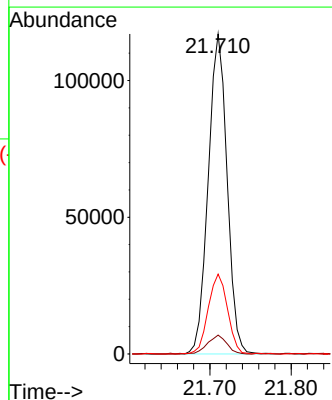
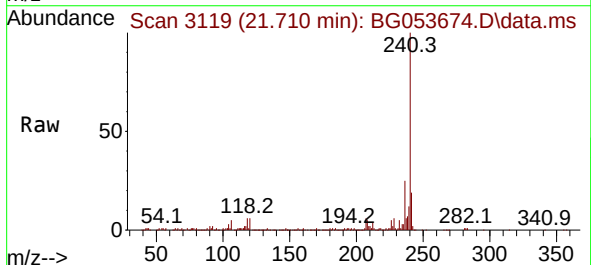
Instrument :
BNA_G
ClientSampleId :
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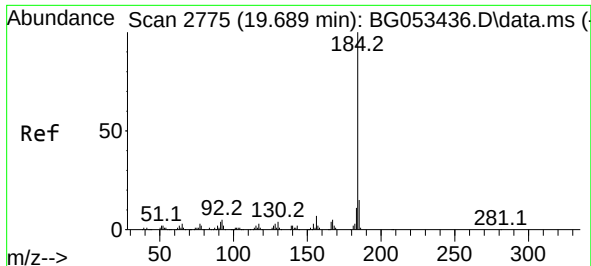
Tgt Ion:202 Resp: 68116
Ion Ratio Lower Upper
202 100
101 8.1 0.0 26.9
203 18.5 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

Tgt Ion:240 Resp: 188438
Ion Ratio Lower Upper
240 100
120 5.9 4.6 7.0
236 25.0 20.2 30.4

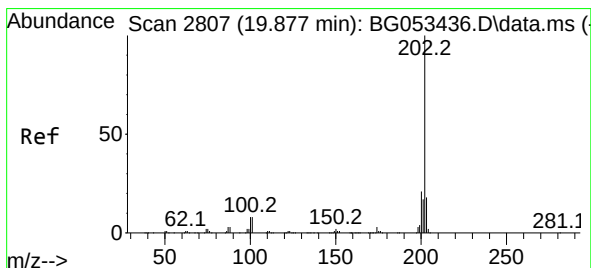
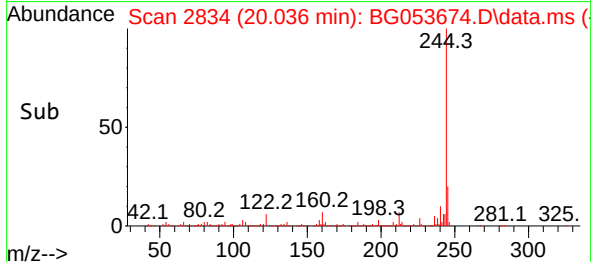
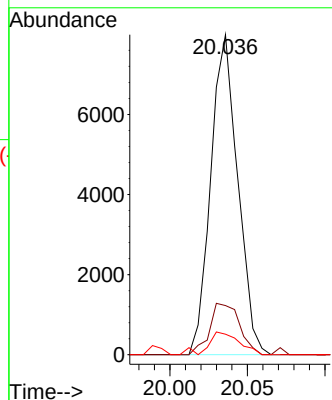
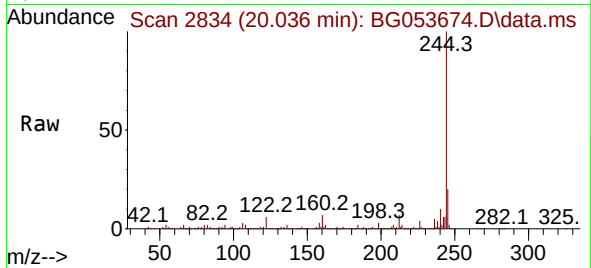




#77
Benzidine
Concen: 2.379 ng
RT: 20.036 min Scan# 21
Delta R.T. 0.376 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

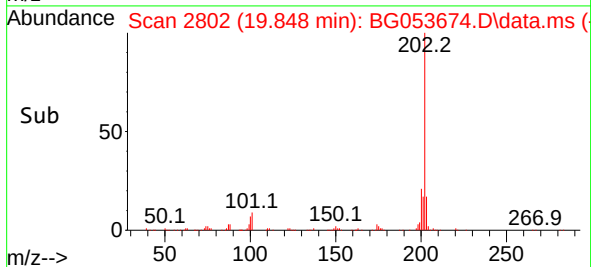
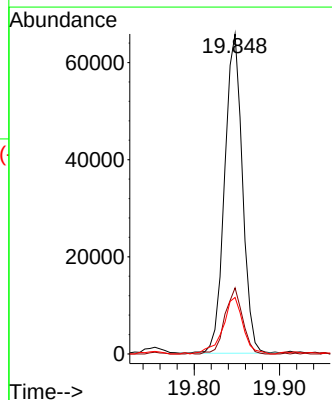
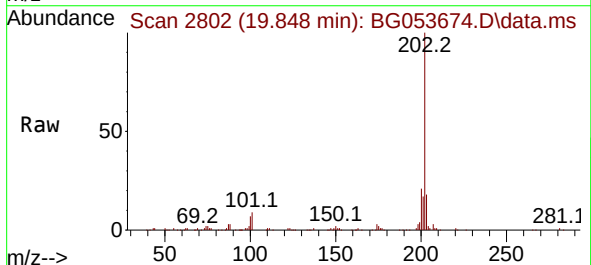
Instrument :
BNA_G
ClientSampleId :
P-6

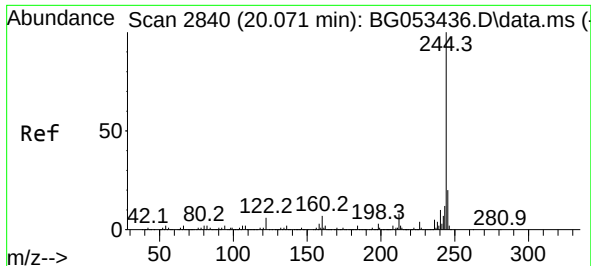
Tgt Ion:184 Resp: 9663
Ion Ratio Lower Upper
184 100
185 15.4 11.8 17.6
183 6.4 8.9 13.3#



#78
Pyrene
Concen: 7.816 ng
RT: 19.848 min Scan# 2802
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

Tgt Ion:202 Resp: 95344
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 17.6 14.6 21.8

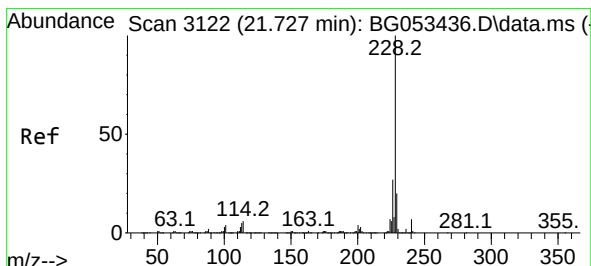
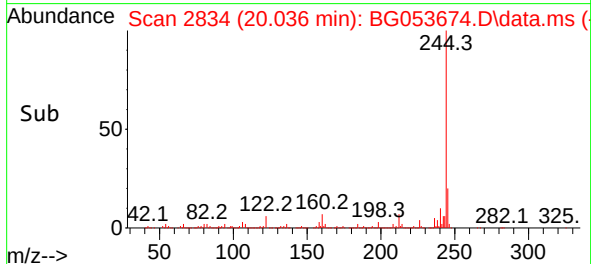
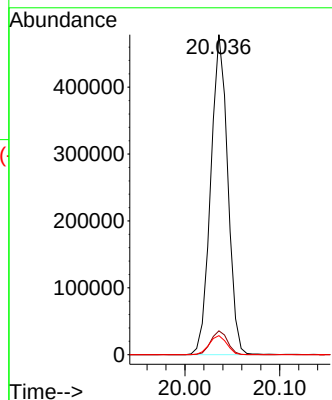
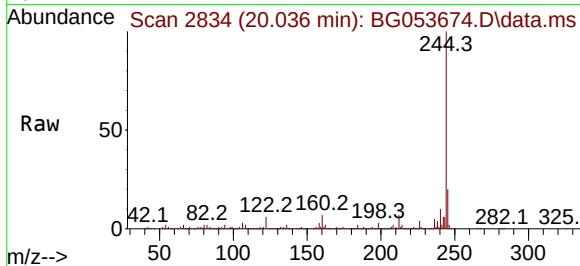




#79
 Terphenyl-d14
 Concen: 58.862 ng
 RT: 20.036 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG053674.D
 Acq: 23 May 2022 21:28

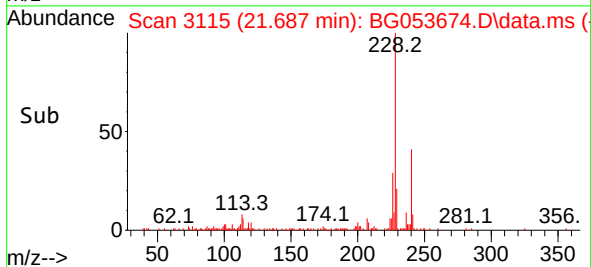
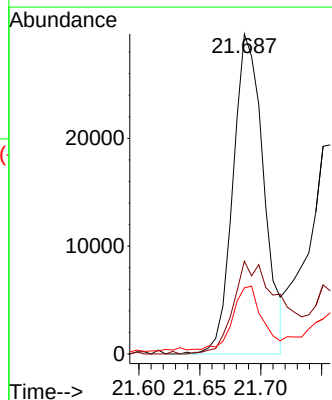
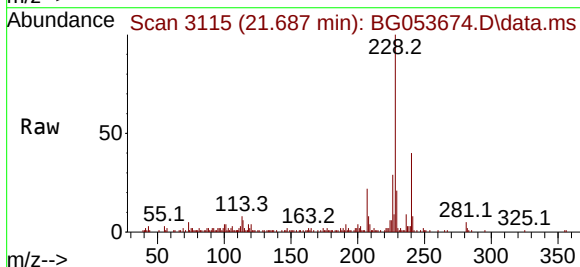
Instrument :
 BNA_G
 ClientSampleId :
 P-6

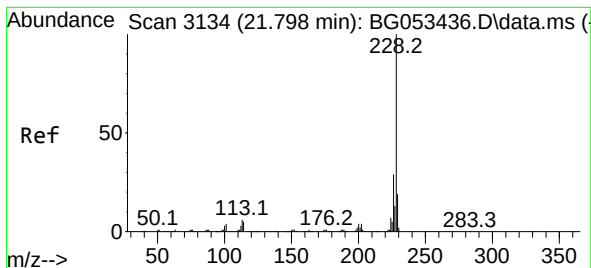
Tgt Ion:244 Resp: 595545
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 6.0 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 4.314 ng
 RT: 21.687 min Scan# 3115
 Delta R.T. -0.012 min
 Lab File: BG053674.D
 Acq: 23 May 2022 21:28

Tgt Ion:228 Resp: 51852
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.6 32.4
 229 20.7 16.2 24.2





#83

Chrysene

Concen: 3.535 ng

RT: 21.757 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

Instrument :

BNA_G

ClientSampleId :

P-6

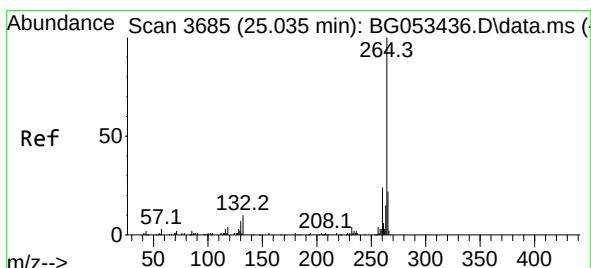
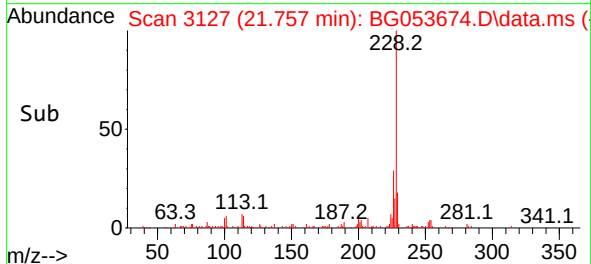
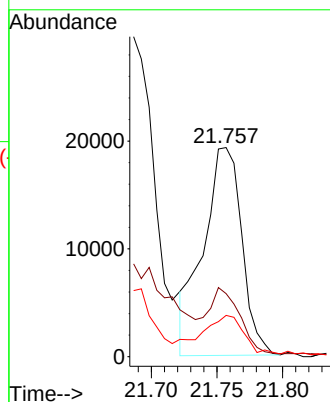
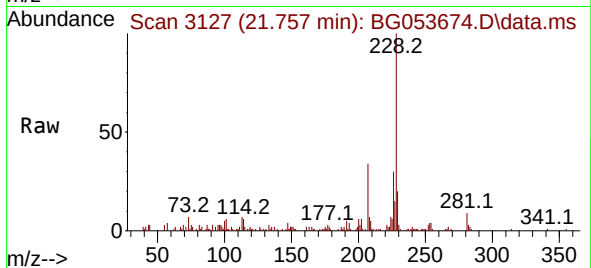
Tgt Ion:228 Resp: 39685

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

229 19.7 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.970 min Scan# 3674

Delta R.T. -0.012 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

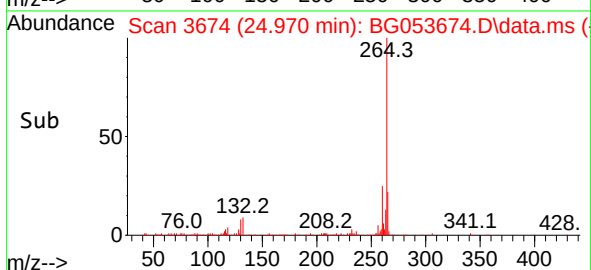
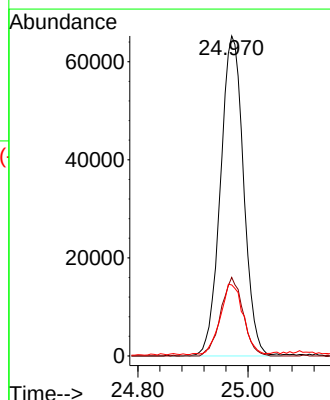
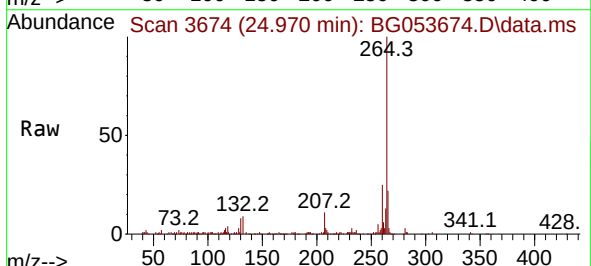
Tgt Ion:264 Resp: 190152

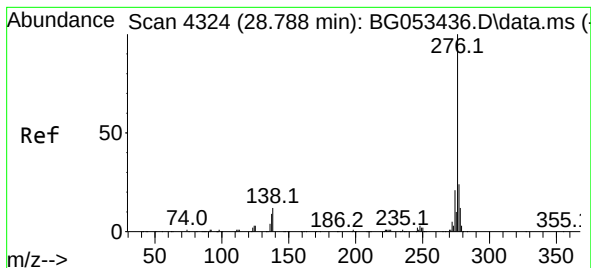
Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.6

265 22.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.658 ng

RT: 28.712 min Scan# 41

Delta R.T. -0.017 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

Instrument :

BNA_G

ClientSampleId :

P-6

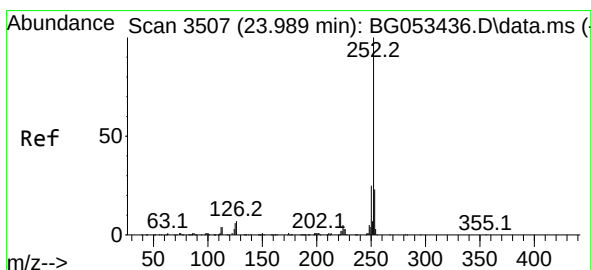
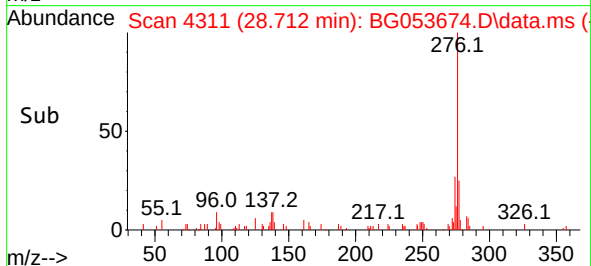
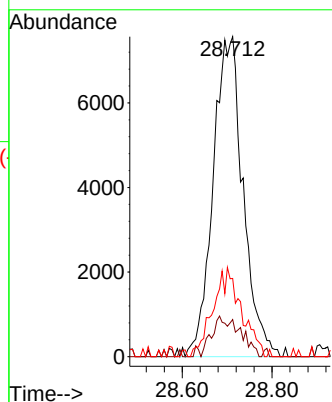
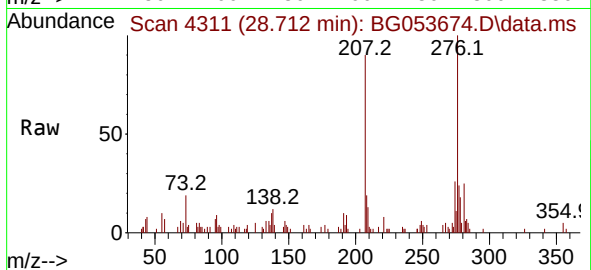
Tgt Ion:276 Resp: 35197

Ion Ratio Lower Upper

276 100

138 0.0 5.0 7.4#

277 0.0 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 5.456 ng

RT: 23.936 min Scan# 3498

Delta R.T. -0.006 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

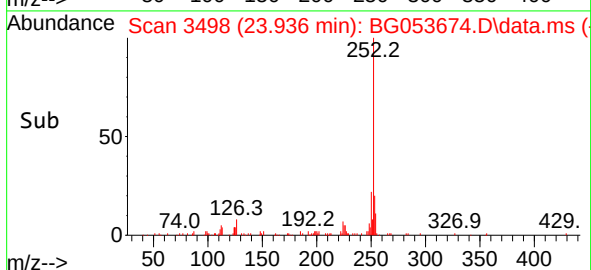
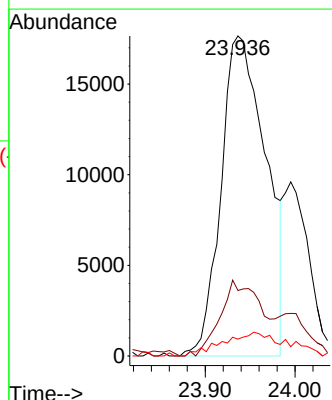
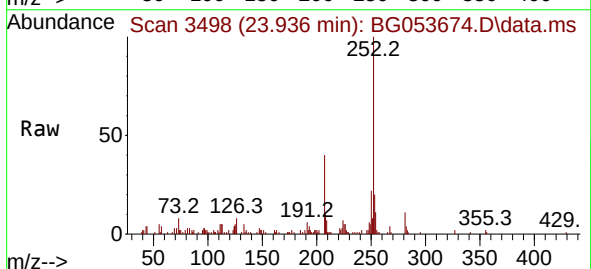
Tgt Ion:252 Resp: 61414

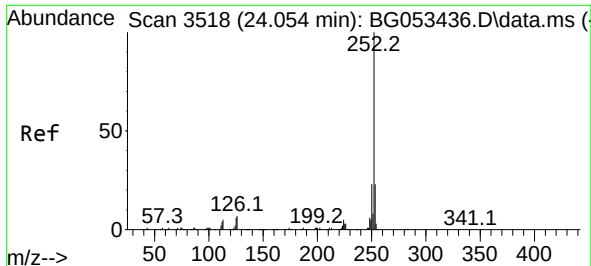
Ion Ratio Lower Upper

252 100

253 20.4 18.0 27.0

125 5.3 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 5.553 ng

RT: 23.936 min Scan# 34

Delta R.T. -0.076 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

Instrument :

BNA_G

ClientSampleId :

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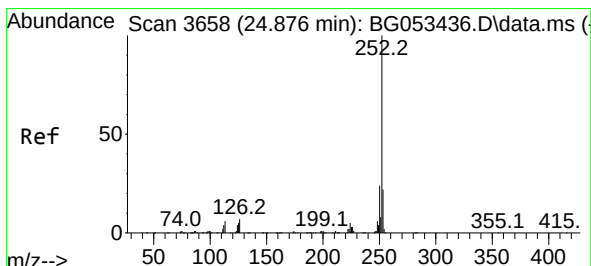
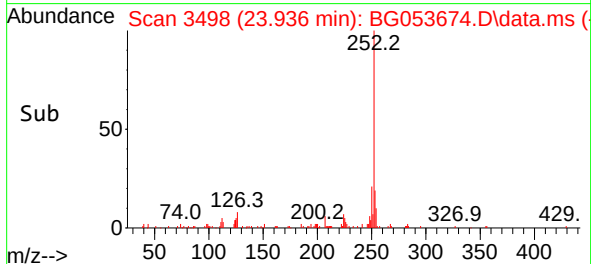
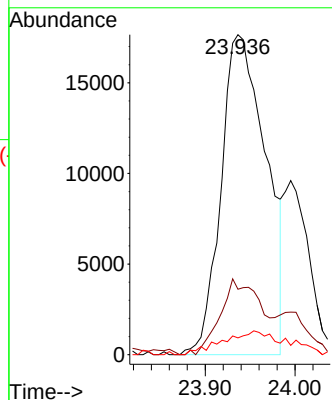
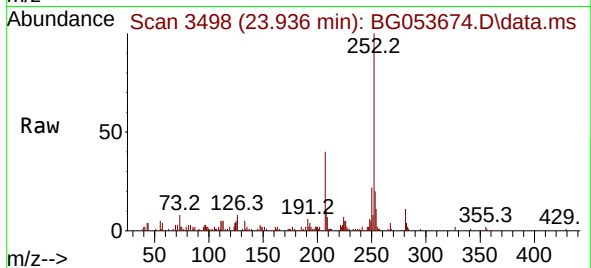
Tgt Ion:252 Resp: 61414

Ion Ratio Lower Upper

252 100

253 20.4 18.4 27.6

125 5.3 4.8 7.2



#90

Benzo(a)pyrene

Concen: 5.904 ng

RT: 24.812 min Scan# 3647

Delta R.T. -0.017 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

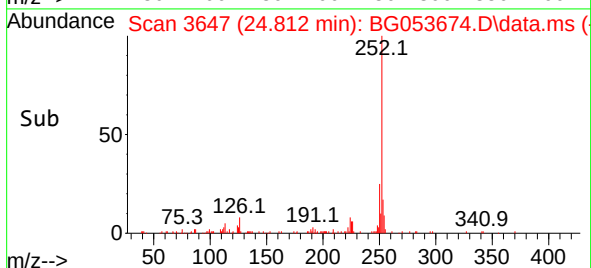
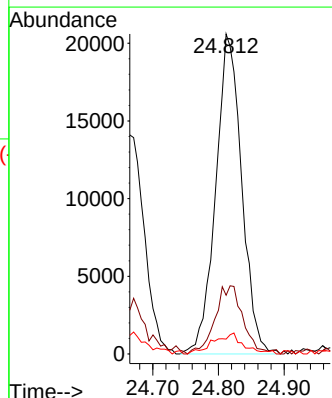
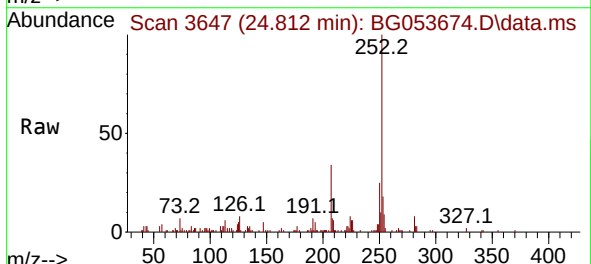
Tgt Ion:252 Resp: 56558

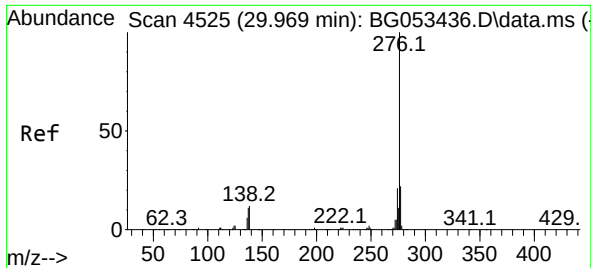
Ion Ratio Lower Upper

252 100

253 18.4 17.8 26.8

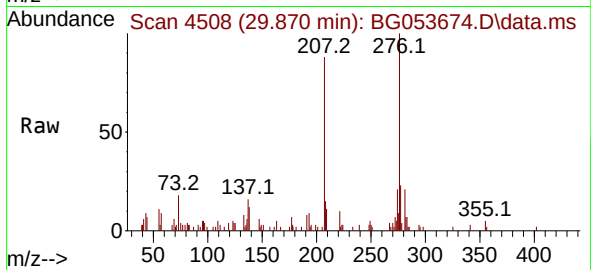
125 4.6 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.730 ng
 RT: 29.870 min Scan# 4
 Delta R.T. -0.035 min
 Lab File: BG053674.D
 Acq: 23 May 2022 21:28

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion:	276	Resp:	40350
Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.3	25.9
138	12.2	9.6	14.4

