

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052522\
 Data File : BG053710.D
 Acq On : 26 May 2022 1:43
 Operator : CG/JU
 Sample : N3001-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-052322

Quant Time: May 26 02:53:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

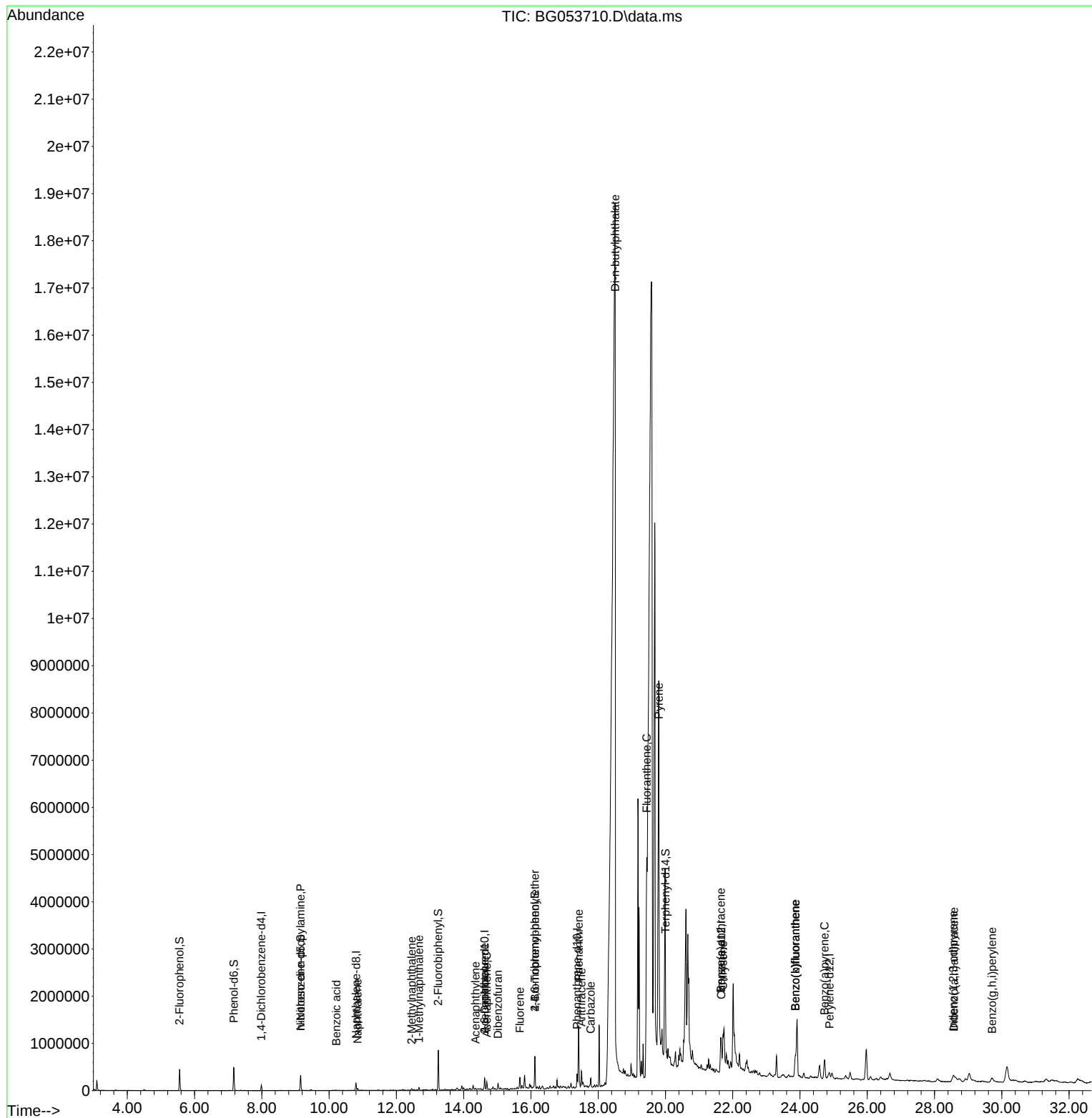
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	31508	20.000	ng	0.00
21) Naphthalene-d8	10.801	136	120695	20.000	ng	0.00
39) Acenaphthene-d10	14.625	164	84849	20.000	ng	0.00
64) Phenanthrene-d10	17.374	188	171895	20.000	ng	0.00
76) Chrysene-d12	21.663	240	147056	20.000	ng	0.02
86) Perylene-d12	24.876	264	150877	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.555	112	186217	100.303	ng	0.00
7) Phenol-d6	7.165	99	279445	99.179	ng	0.00
23) Nitrobenzene-d5	9.156	82	200659	70.771	ng	0.00
42) 2,4,6-Tribromophenol	16.117	330	125818	100.540	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	435086	74.931	ng	0.00
79) Terphenyl-d14	20.000	244	567898	71.924	ng	0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.156	70	29886	14.783	ng	# 80
31) Naphthalene	10.848	128	19660	3.202	ng	97
32) Benzoic acid	10.219	122	60	8.533	ng	93
37) 2-Methylnaphthalene	12.452	142	14793	3.229	ng	100
38) 1-Methylnaphthalene	12.675	142	26071	5.832	ng	# 86
49) Acenaphthylene	14.355	152	19870	2.748	ng	# 90
51) 2,6-Dinitrotoluene	14.625	165	13154	10.014	ng	# 19
52) Acenaphthene	14.690	154	51104	11.859	ng	97
55) Dibenzofuran	15.025	168	67919	8.775	ng	93
58) Fluorene	15.671	166	115991	18.674	ng	98
67) 4-Bromophenyl-phenylether	16.117	248	8044	4.007	ng	# 1
71) Phenanthrene	17.421	178	825593	94.456	ng	98
72) Anthracene	17.504	178	224606	26.144	ng	99
73) Carbazole	17.780	167	116563	13.844	ng	100
74) Di-n-butylphthalate	18.502	149	77208	8.153	ng	# 76
75) Fluoranthene	19.442	202	1146162	101.275	ng	96
78) Pyrene	19.806	202	1004913	105.562	ng	97
81) Benzo(a)anthracene	21.645	228	495885	52.869	ng	96
83) Chrysene	21.710	228	472119	53.894	ng	95
87) Indeno(1,2,3-cd)pyrene	28.559	276	250844	23.871	ng	# 92
88) Benzo(b)fluoranthene	23.866	252	648719	72.640	ng	100
89) Benzo(k)fluoranthene	23.866	252	648719	73.921	ng	99
90) Benzo(a)pyrene	24.729	252	494922	65.110	ng	98
91) Dibenzo(a,h)anthracene	28.577	278	57290	6.616	ng	# 88
92) Benzo(g,h,i)perylene	29.711	276	245744	28.632	ng	95

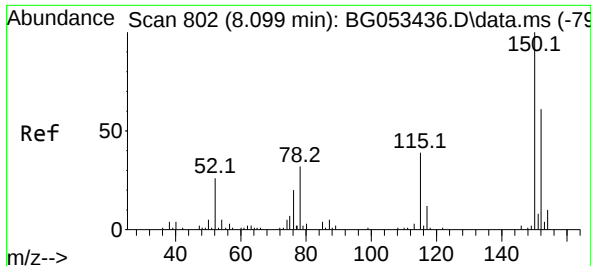
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052522\
Data File : BG053710.D
Acq On : 26 May 2022 1:43
Operator : CG/JU
Sample : N3001-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BU-03-052322

Quant Time: May 26 02:53:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 15:11:41 2022
Response via : Initial Calibration

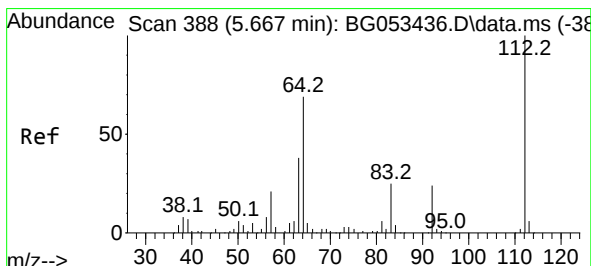
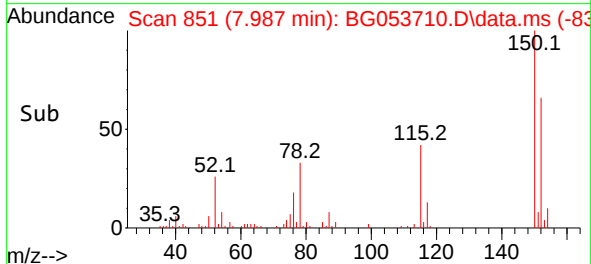
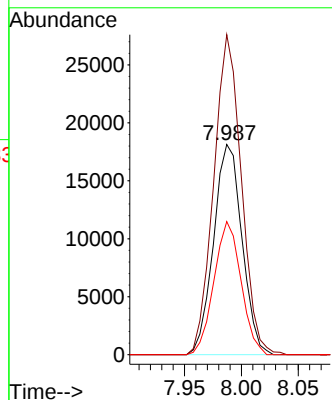
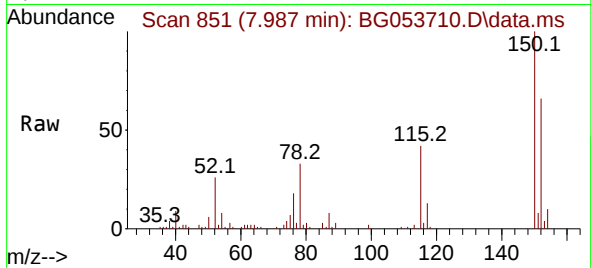




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.987 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

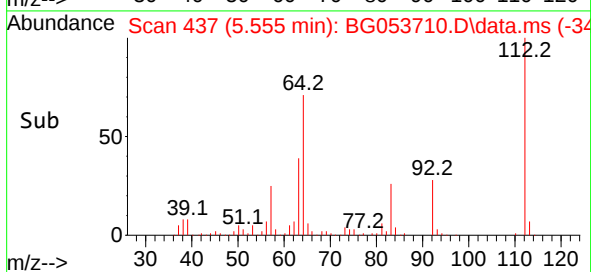
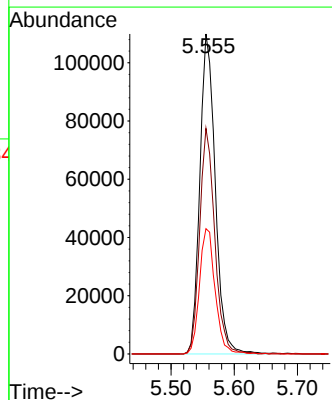
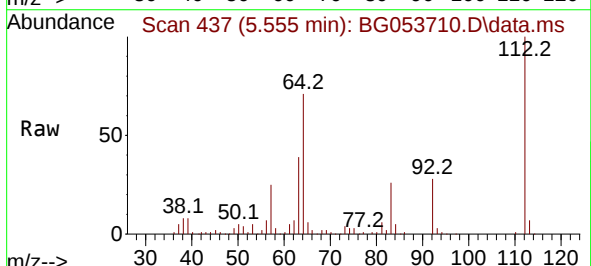
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

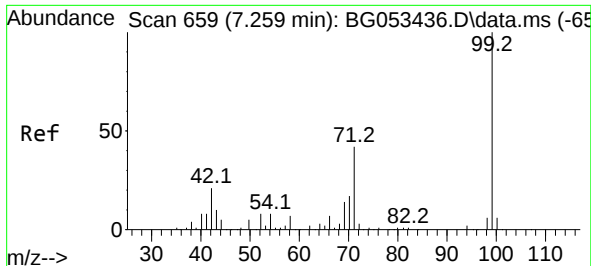
Tgt Ion:152 Resp: 31508
Ion Ratio Lower Upper
152 100
150 152.2 131.6 197.4
115 63.3 50.9 76.3



#5
2-Fluorophenol
Concen: 100.303 ng
RT: 5.555 min Scan# 437
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion:112 Resp: 186217
Ion Ratio Lower Upper
112 100
64 70.5 55.1 82.7
63 39.1 30.4 45.6

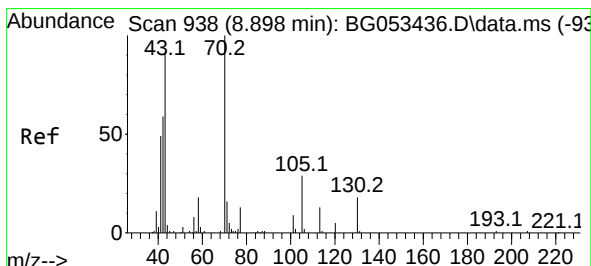
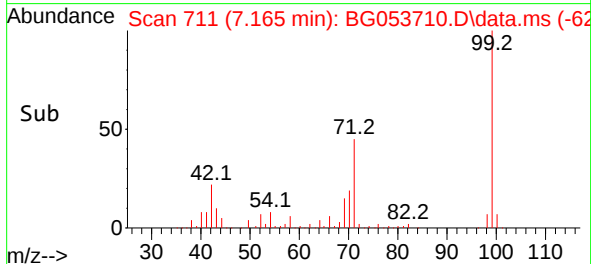
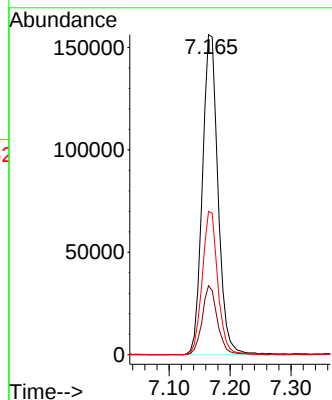
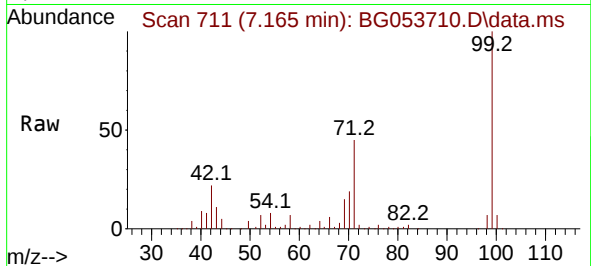




#7
Phenol-d6
Concen: 99.179 ng
RT: 7.165 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

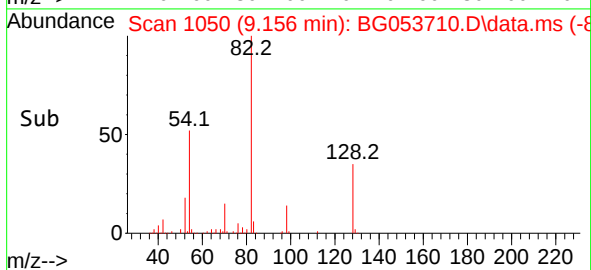
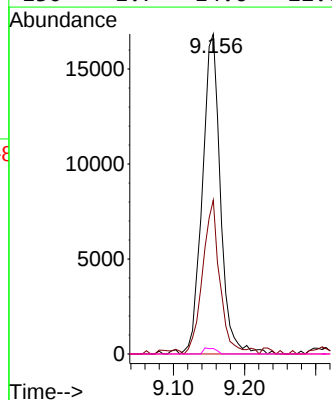
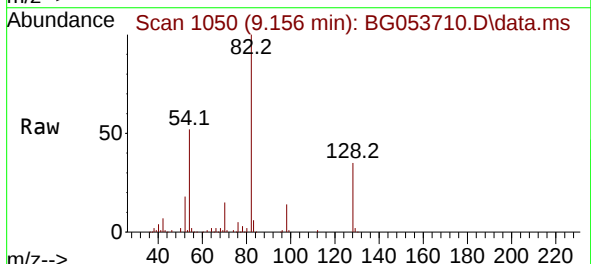
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

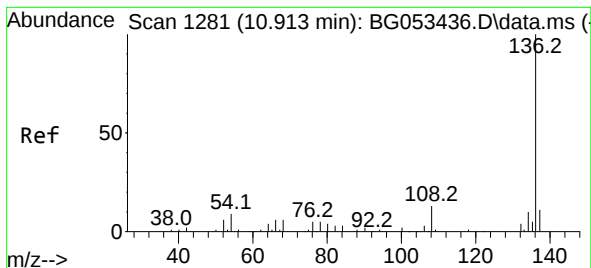
Tgt Ion: 99 Resp: 279445
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 44.8 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.783 ng
RT: 9.156 min Scan# 1050
Delta R.T. 0.359 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion: 70 Resp: 29886
Ion Ratio Lower Upper
70 100
42 48.1 47.3 70.9
101 0.0 7.0 10.4#
130 1.7 14.6 22.0#

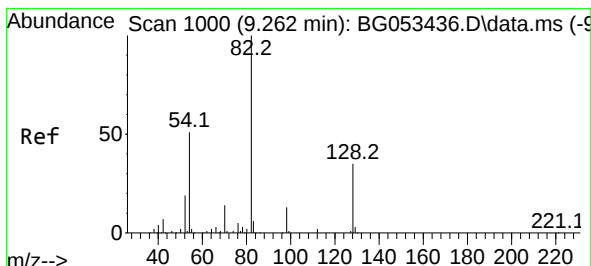
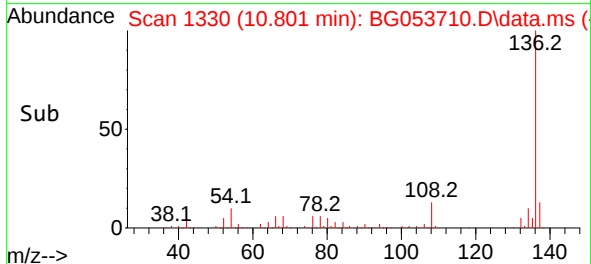
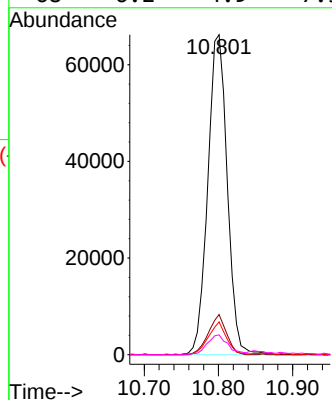
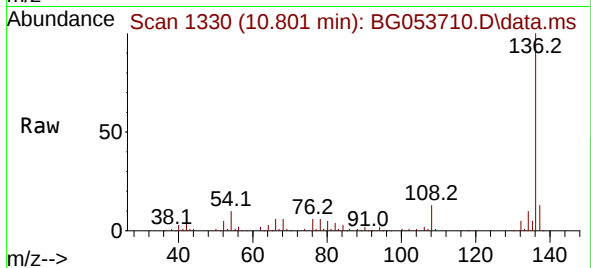




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.801 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

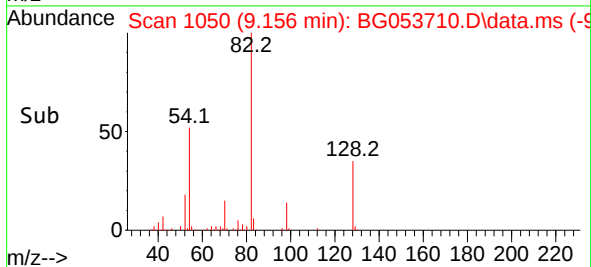
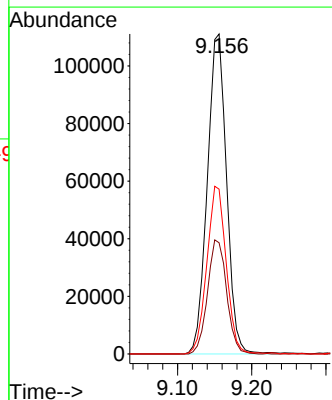
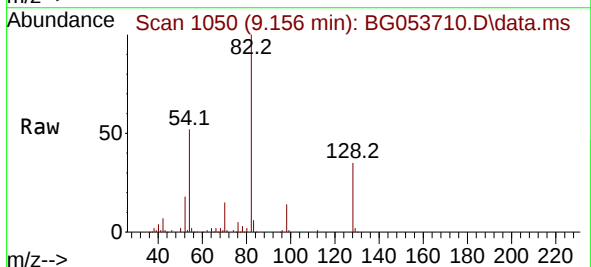
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

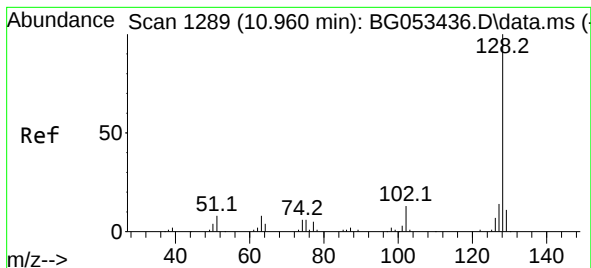
Tgt Ion:136	Resp: 120695
Ion Ratio	Lower Upper
136	100
137	12.5 8.5 12.7
54	10.2 7.4 11.2
68	6.2 4.9 7.3



#23
Nitrobenzene-d5
Concen: 70.771 ng
RT: 9.156 min Scan# 1050
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion: 82	Resp: 200659
Ion Ratio	Lower Upper
82	100
128	34.7 27.9 41.9
54	51.5 41.2 61.8

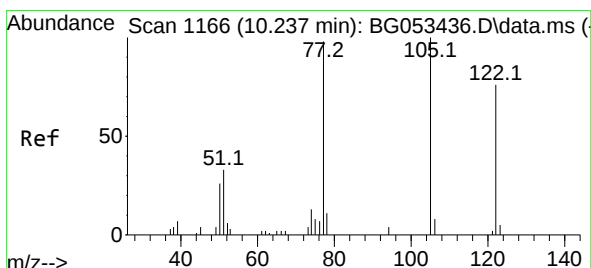
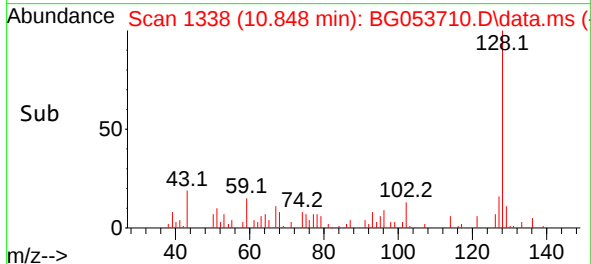
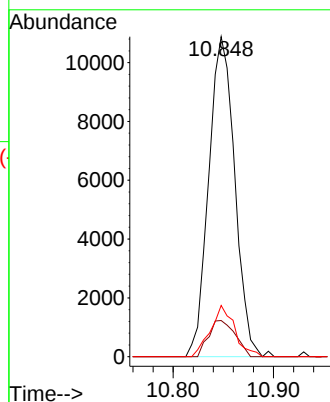
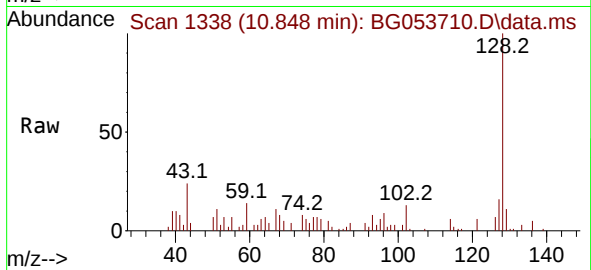




#31
Naphthalene
Concen: 3.202 ng
RT: 10.848 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

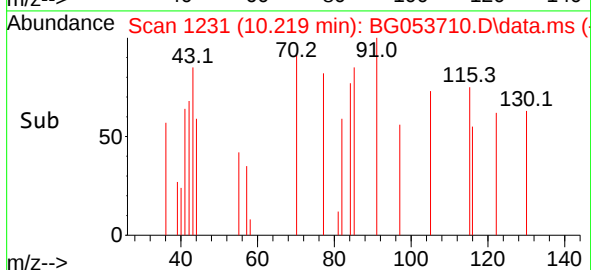
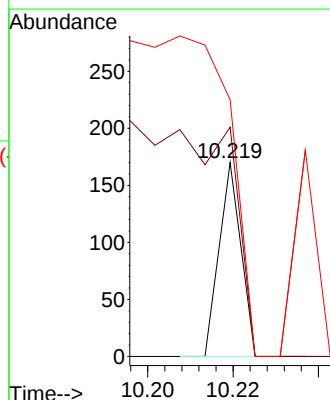
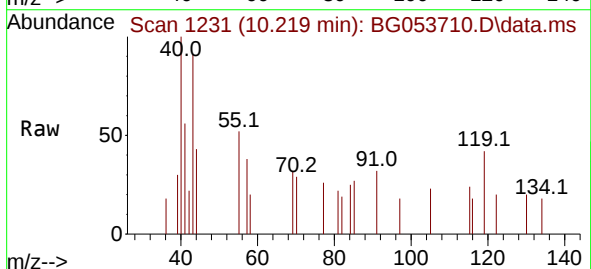
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

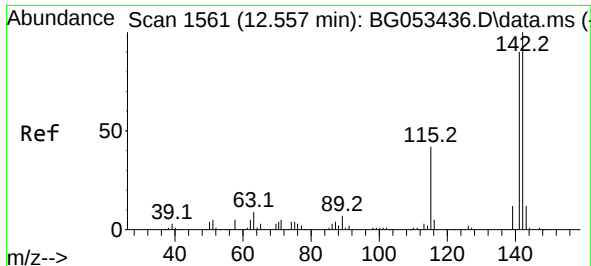
Tgt Ion:128 Resp: 19660
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 16.0 11.1 16.7



#32
Benzoic acid
Concen: 8.533 ng
RT: 10.219 min Scan# 1231
Delta R.T. 0.060 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 118.2 111.8 151.8
77 132.4 109.4 149.4

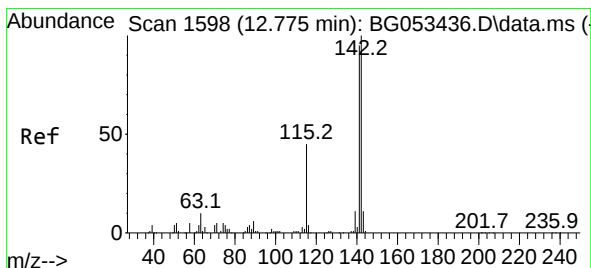
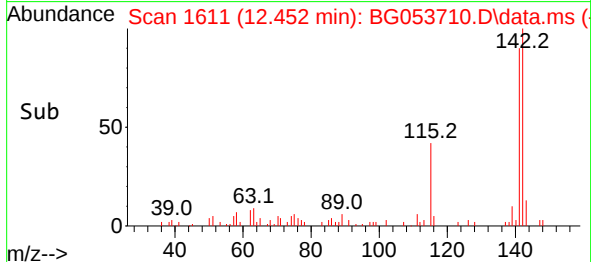
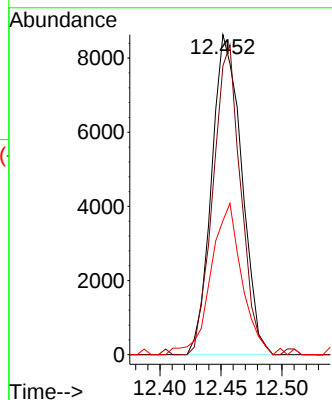
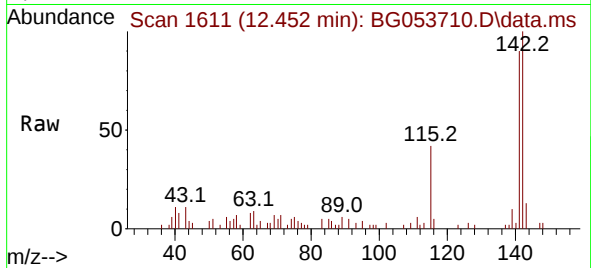




#37
2-Methylnaphthalene
Concen: 3.229 ng
RT: 12.452 min Scan# 1649
Delta R.T. -0.005 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

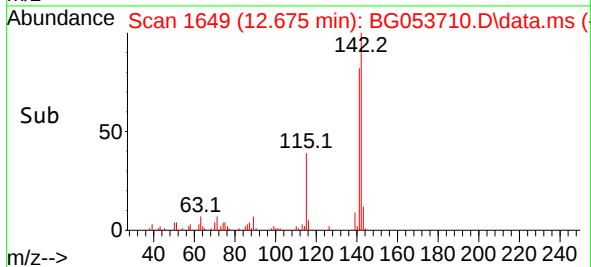
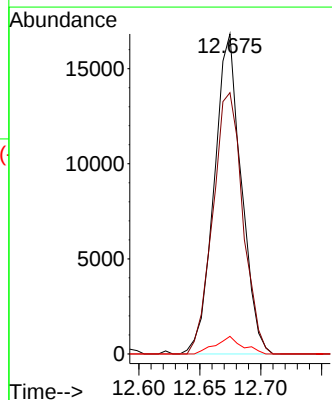
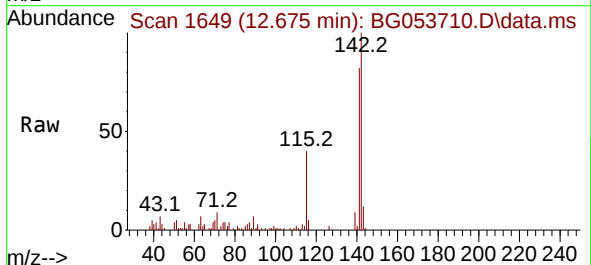
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

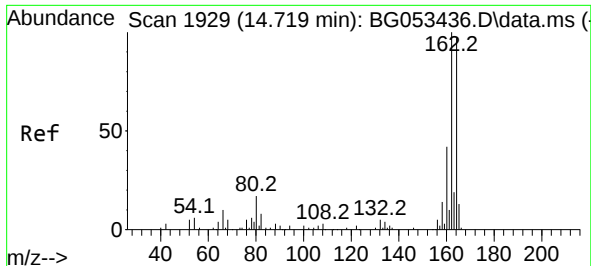
Tgt Ion:142	Resp:	14793
Ion Ratio	Lower	Upper
142	100	
141	90.3	72.3 108.5
115	41.8	33.7 50.5



#38
1-Methylnaphthalene
Concen: 5.832 ng
RT: 12.675 min Scan# 1649
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion:142	Resp:	26071
Ion Ratio	Lower	Upper
142	100	
141	81.7	76.4 114.6
116	5.5	3.3 4.9#

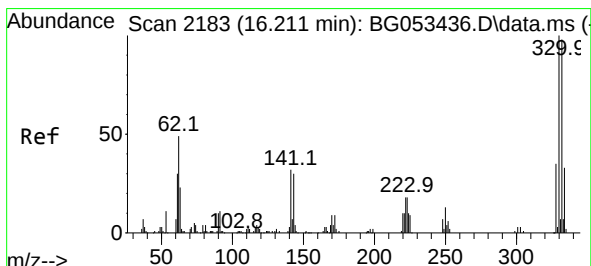
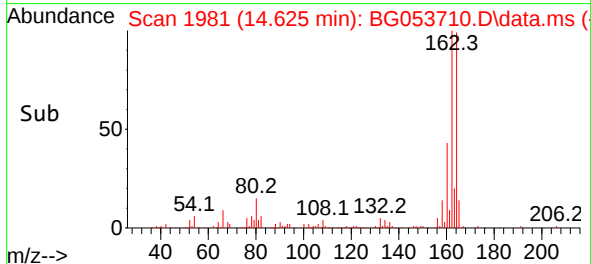
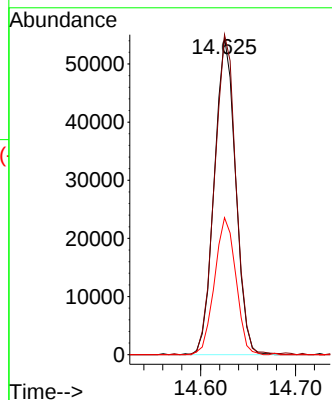
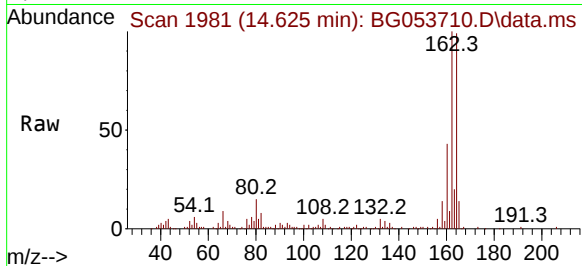




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.625 min Scan# 1929
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

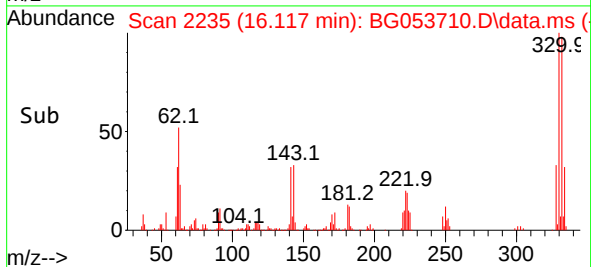
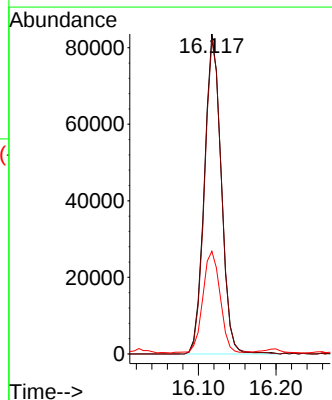
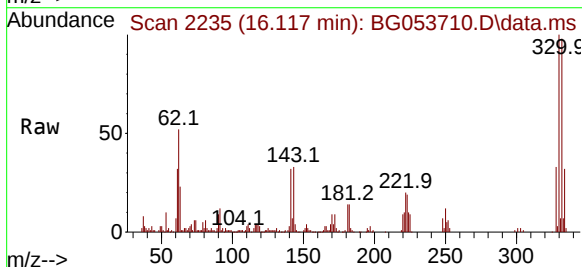
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

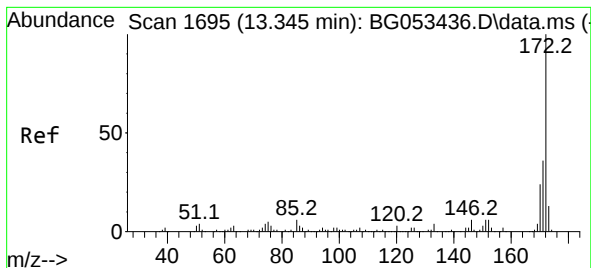
Tgt Ion:164 Resp: 84849
Ion Ratio Lower Upper
164 100
162 100.6 82.3 123.5
160 43.1 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 100.540 ng
RT: 16.117 min Scan# 2235
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion:330 Resp: 125818
Ion Ratio Lower Upper
330 100
332 98.6 76.0 114.0
141 32.7 27.1 40.7

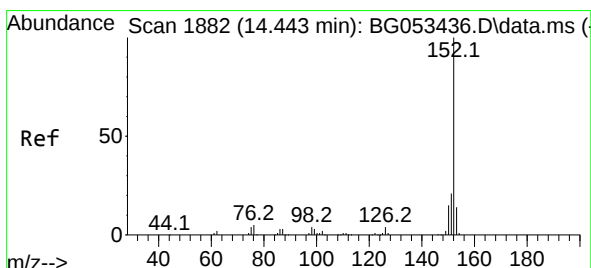
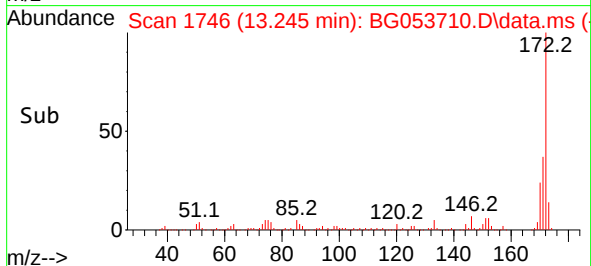
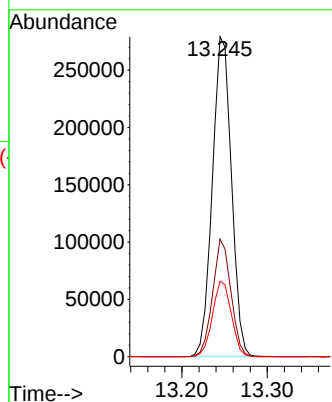
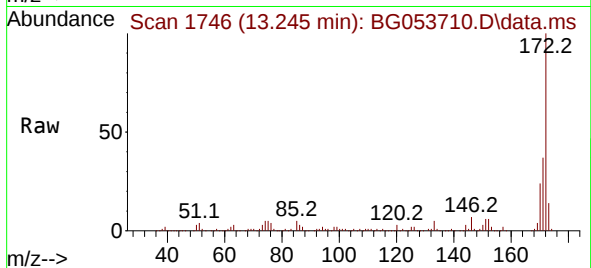




#45
2-Fluorobiphenyl
Concen: 74.931 ng
RT: 13.245 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

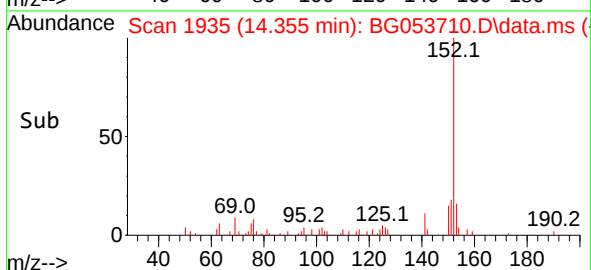
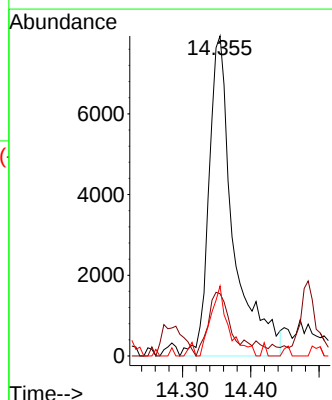
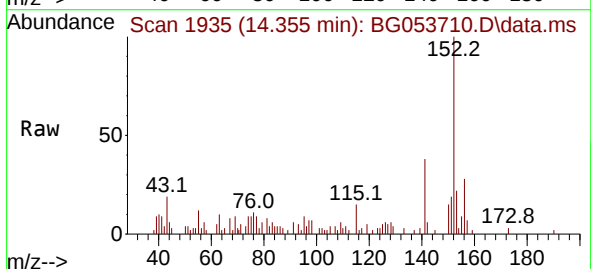
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

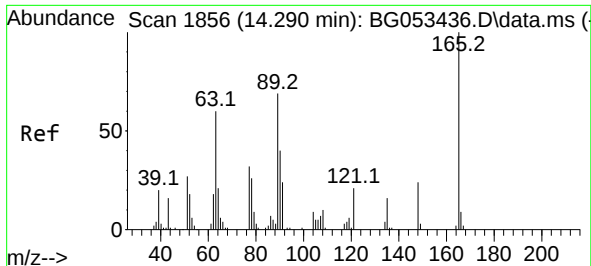
Tgt Ion:172 Resp: 435086
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 23.6 18.9 28.3



#49
Acenaphthylene
Concen: 2.748 ng
RT: 14.355 min Scan# 1935
Delta R.T. 0.007 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion:152 Resp: 19870
Ion Ratio Lower Upper
152 100
151 19.4 16.4 24.6
153 21.9 10.8 16.2#





#51

2,6-Dinitrotoluene

Concen: 10.014 ng

RT: 14.625 min Scan# 1981

Delta R.T. 0.424 min

Lab File: BG053710.D

Acq: 26 May 2022 1:43

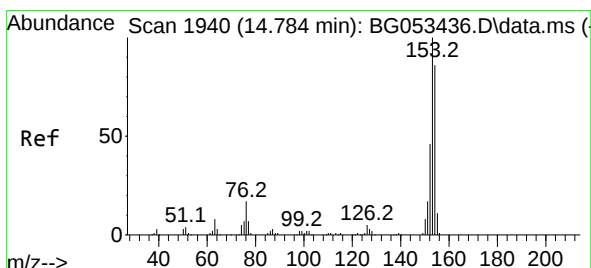
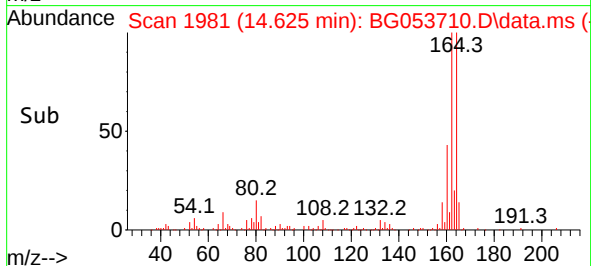
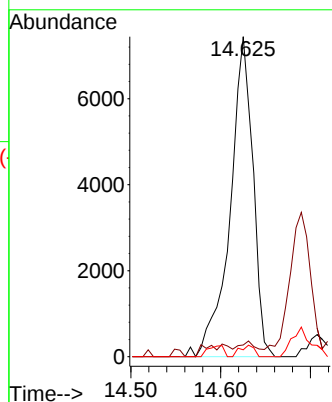
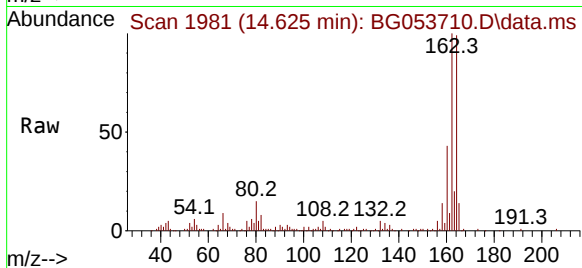
Instrument :

BNA_G

ClientSampleId :

BU-03-052322

Tgt Ion:	165	Resp:	13154
Ion Ratio	Lower	Upper	
165	100		
63	3.7	54.1	81.1#
89	2.1	54.8	82.2#



#52

Acenaphthene

Concen: 11.859 ng

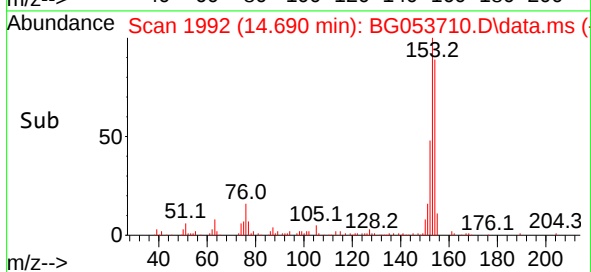
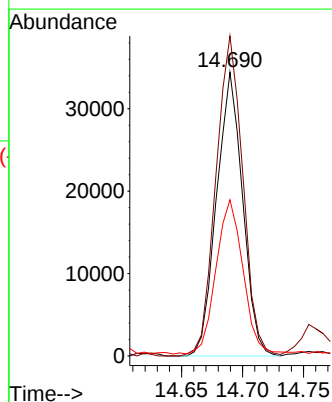
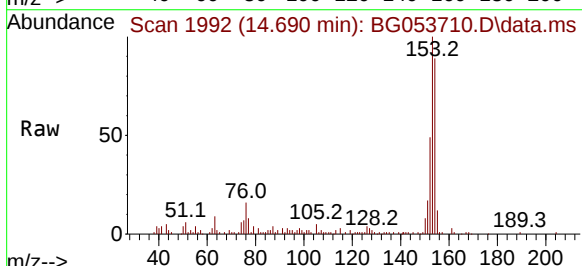
RT: 14.690 min Scan# 1992

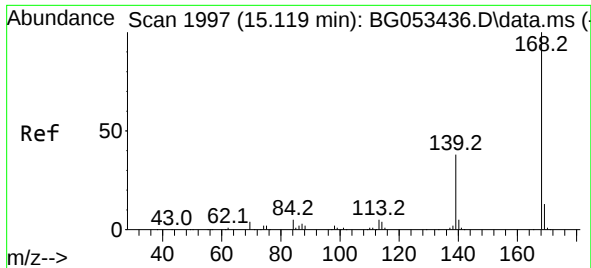
Delta R.T. 0.001 min

Lab File: BG053710.D

Acq: 26 May 2022 1:43

Tgt Ion:	154	Resp:	51104
Ion Ratio	Lower	Upper	
154	100		
153	112.8	92.7	139.1
152	55.1	42.6	64.0

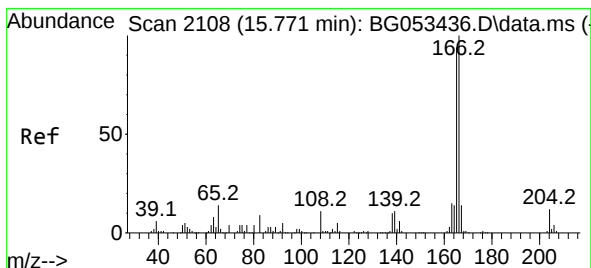
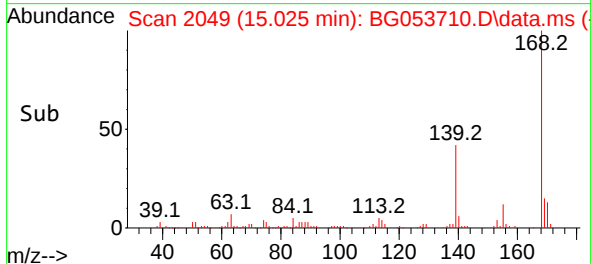
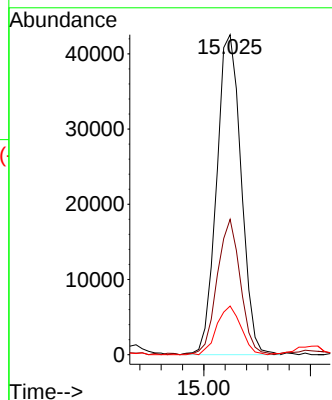
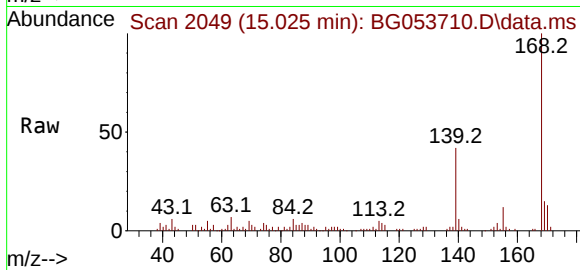




#55
Dibenzenofuran
Concen: 8.775 ng
RT: 15.025 min Scan# 2049
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

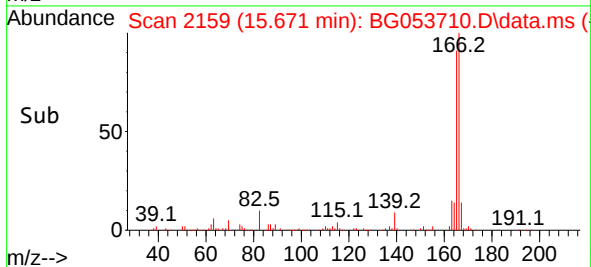
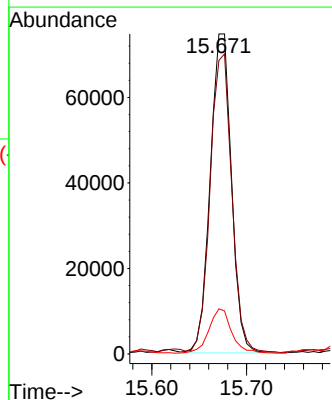
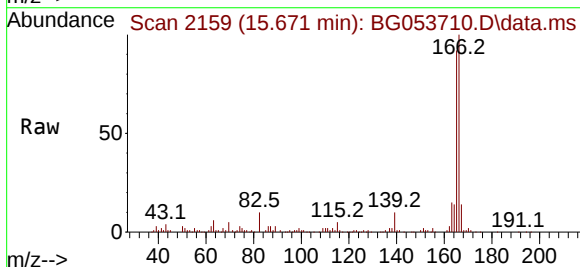
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

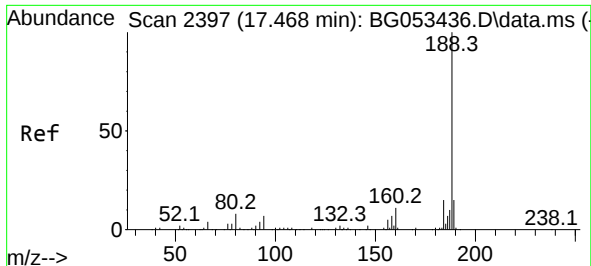
Tgt Ion:168 Resp: 67919
Ion Ratio Lower Upper
168 100
139 42.3 30.5 45.7
169 15.2 10.3 15.5



#58
Fluorene
Concen: 18.674 ng
RT: 15.671 min Scan# 2159
Delta R.T. -0.005 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion:166 Resp: 115991
Ion Ratio Lower Upper
166 100
165 91.8 75.0 112.6
167 14.1 10.8 16.2

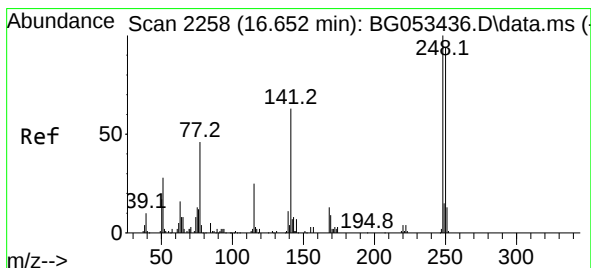
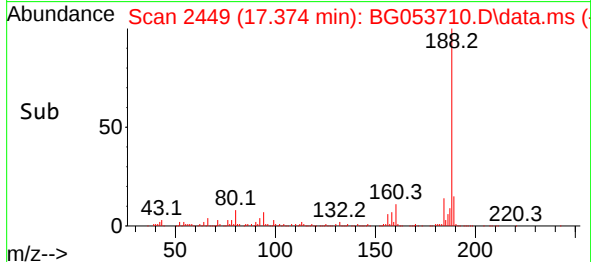
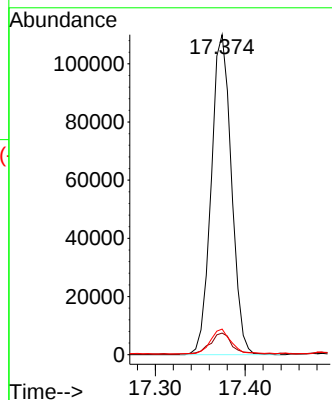
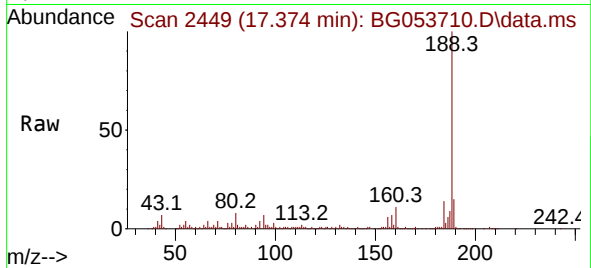




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.374 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

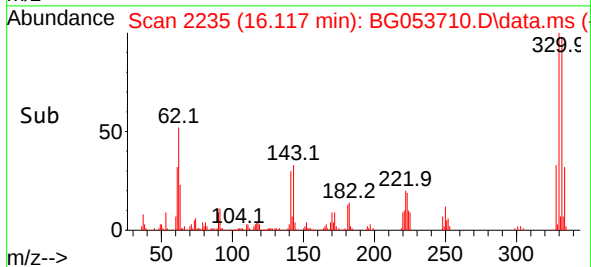
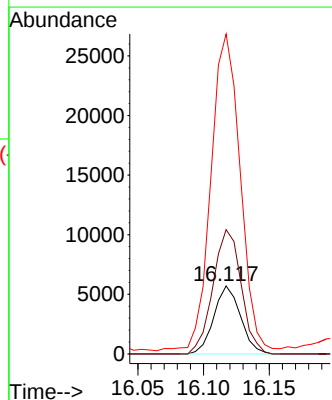
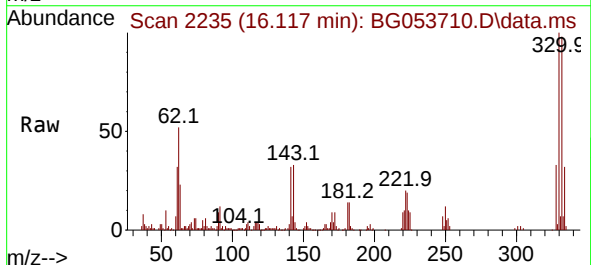
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

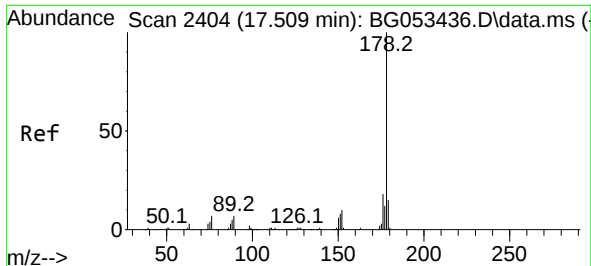
Tgt Ion:188 Resp: 171895
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.0
80 8.0 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 4.007 ng
RT: 16.117 min Scan# 2235
Delta R.T. -0.434 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion:248 Resp: 8044
Ion Ratio Lower Upper
248 100
250 182.8 75.2 112.8#
141 470.7 50.0 75.0#

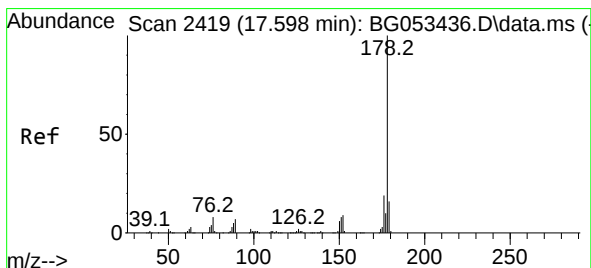
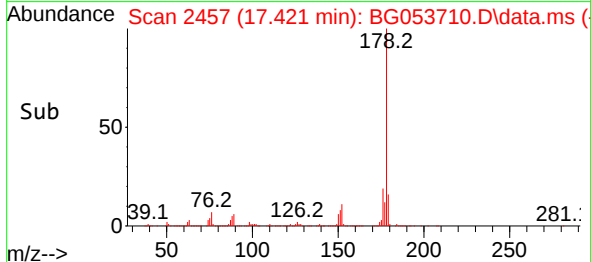
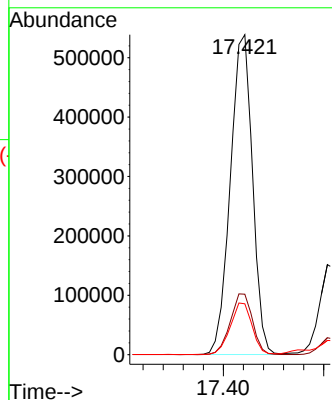
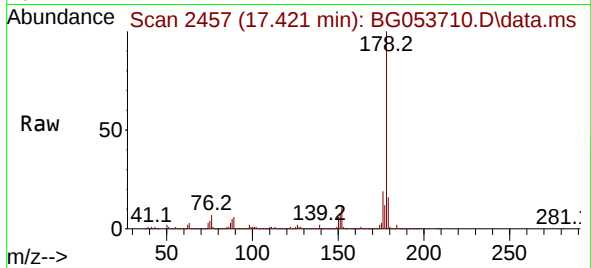




#71
Phenanthrene
Concen: 94.456 ng
RT: 17.421 min Scan# 2404
Delta R.T. 0.007 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

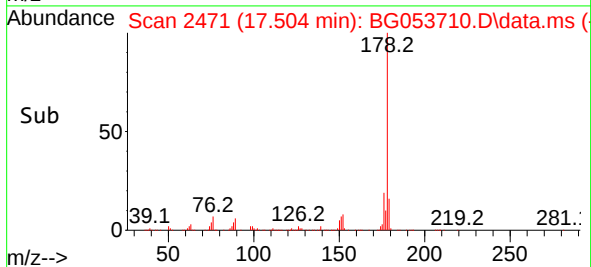
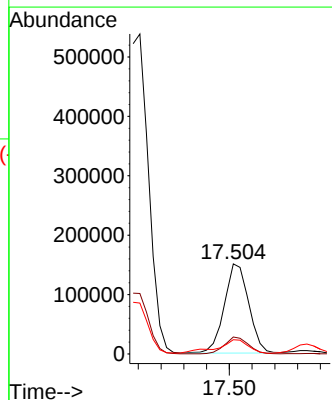
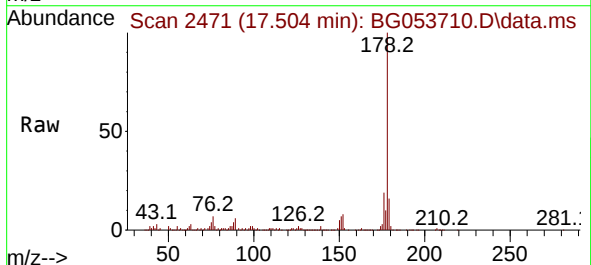
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

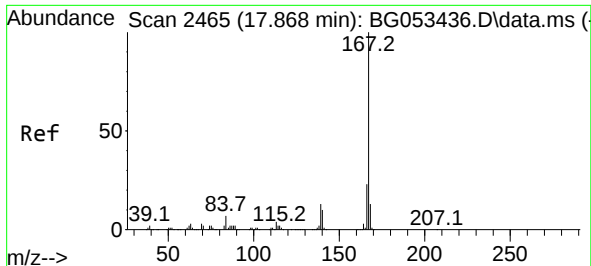
Tgt Ion:178 Resp: 825593
Ion Ratio Lower Upper
178 100
176 18.9 14.1 21.1
179 15.9 12.1 18.1



#72
Anthracene
Concen: 26.144 ng
RT: 17.504 min Scan# 2471
Delta R.T. 0.001 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion:178 Resp: 224606
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.9 13.0 19.4

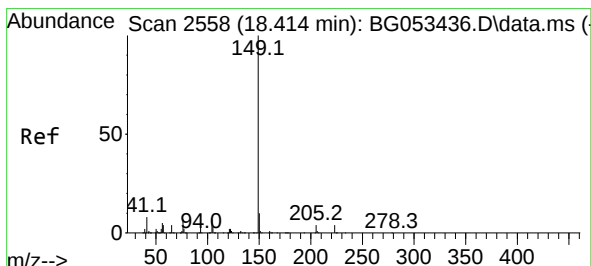
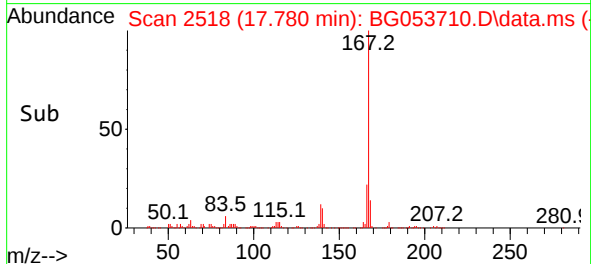
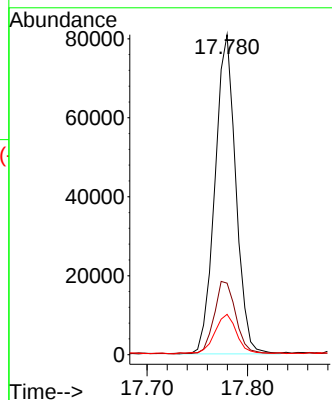
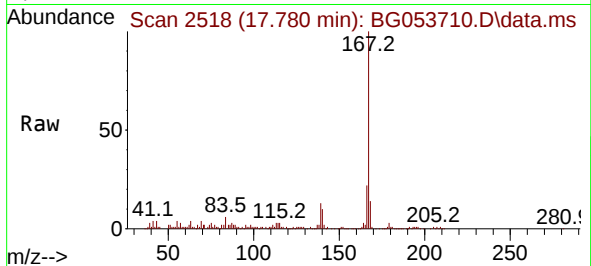




#73
 Carbazole
 Concen: 13.844 ng
 RT: 17.780 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG053710.D
 Acq: 26 May 2022 1:43

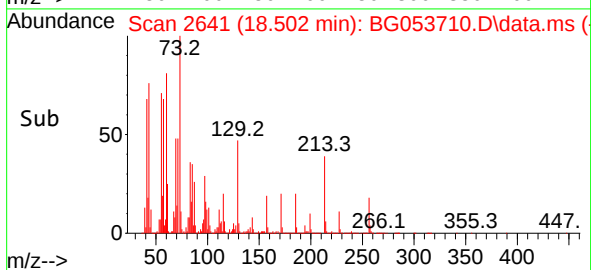
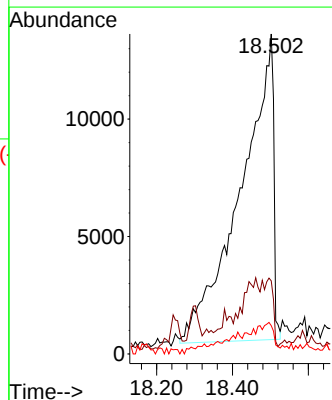
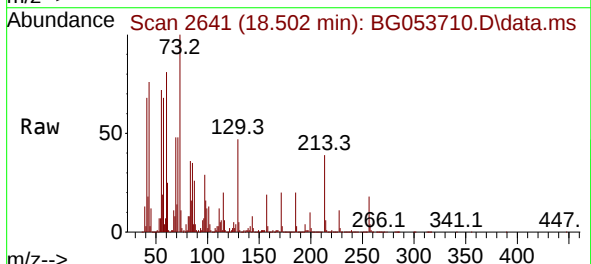
Instrument :
 BNA_G
 ClientSampleId :
 BU-03-052322

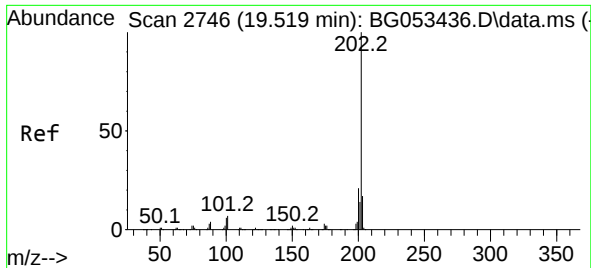
Tgt Ion:167 Resp: 116563
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.2 27.2
 139 12.6 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 8.153 ng
 RT: 18.502 min Scan# 2641
 Delta R.T. 0.177 min
 Lab File: BG053710.D
 Acq: 26 May 2022 1:43

Tgt Ion:149 Resp: 77208
 Ion Ratio Lower Upper
 149 100
 150 22.8 7.7 11.5#
 104 8.8 5.4 8.0#

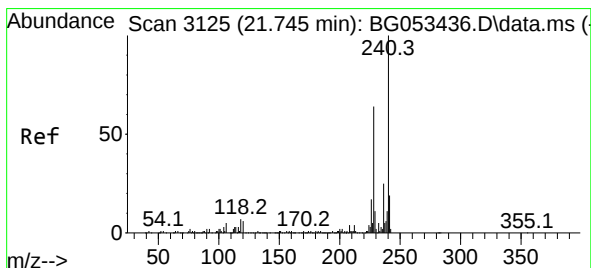
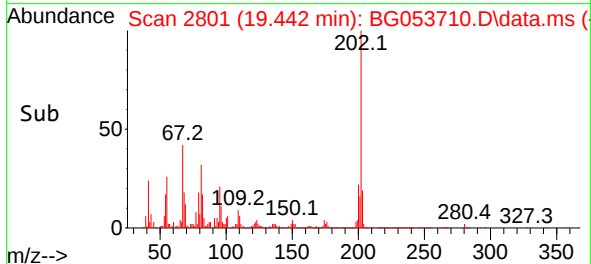
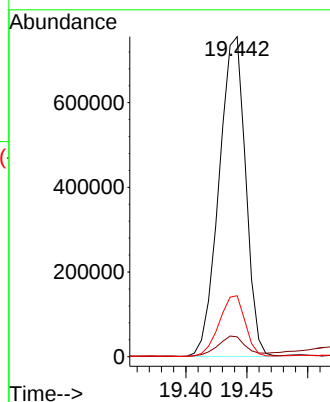
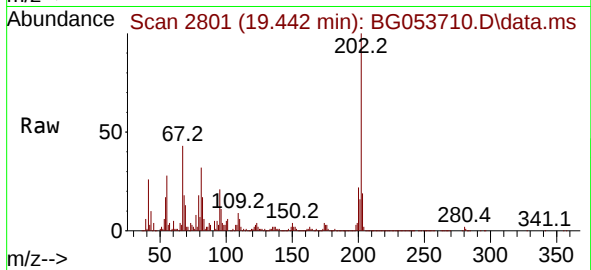




#75
Fluoranthene
Concen: 101.275 ng
RT: 19.442 min Scan# 21
Delta R.T. 0.018 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

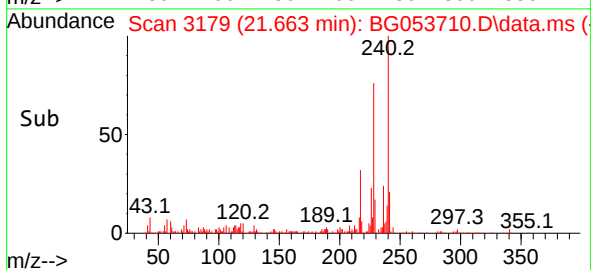
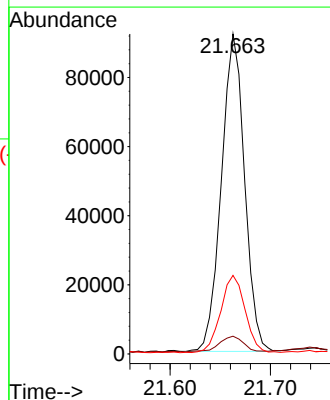
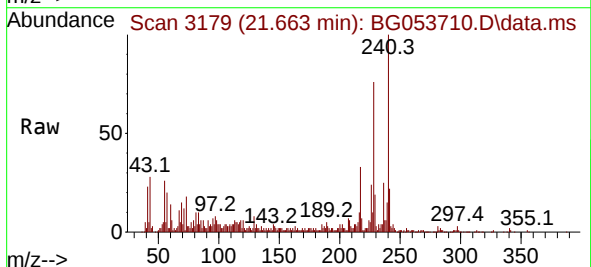
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

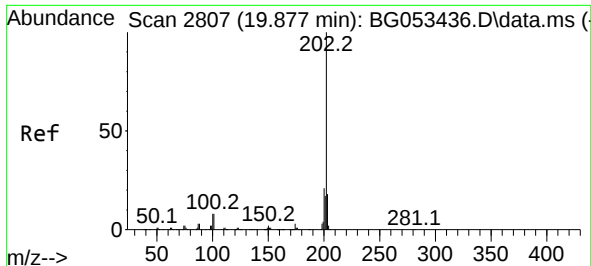
Tgt Ion:202 Resp: 1146162
Ion Ratio Lower Upper
202 100
101 6.2 0.0 26.9
203 19.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.663 min Scan# 3179
Delta R.T. 0.024 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion:240 Resp: 147056
Ion Ratio Lower Upper
240 100
120 5.5 4.6 7.0
236 24.6 20.2 30.4

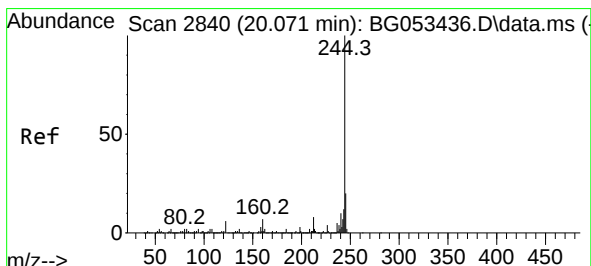
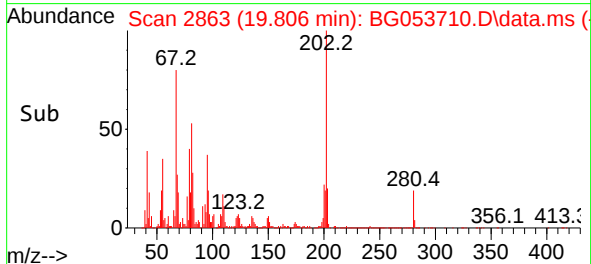
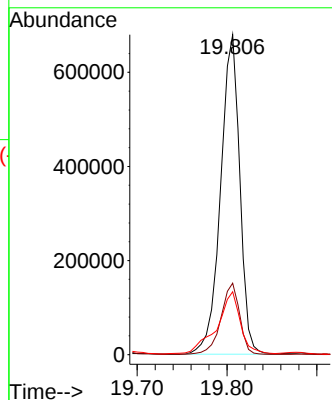
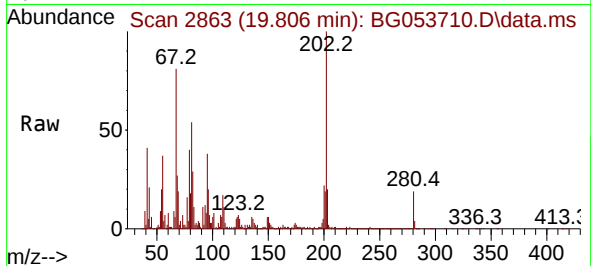




#78
Pyrene
Concen: 105.562 ng
RT: 19.806 min Scan# 2863
Delta R.T. 0.018 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

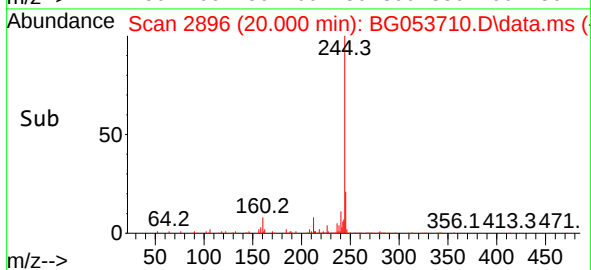
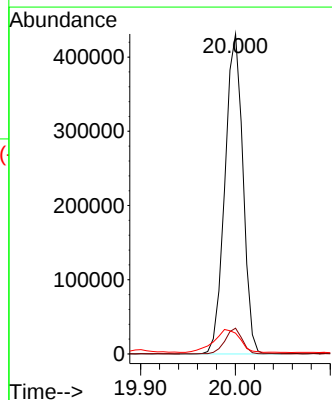
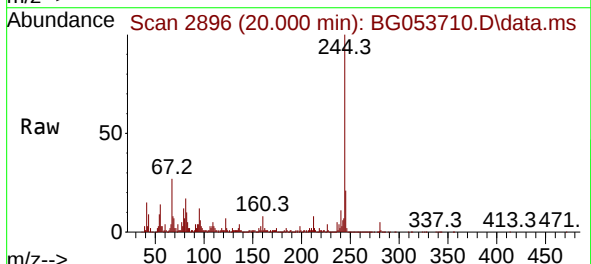
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

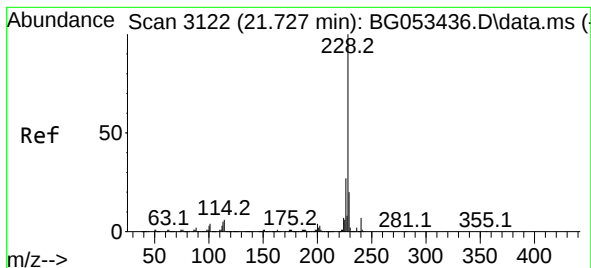
Tgt Ion:202 Resp: 1004913
Ion Ratio Lower Upper
202 100
200 22.3 16.6 24.8
203 19.7 14.6 21.8



#79
Terphenyl-d14
Concen: 71.924 ng
RT: 20.000 min Scan# 2896
Delta R.T. 0.024 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

Tgt Ion:244 Resp: 567898
Ion Ratio Lower Upper
244 100
212 8.1 6.5 9.7
122 6.5 5.0 7.4





#81

Benzo(a)anthracene

Concen: 52.869 ng

RT: 21.645 min Scan# 3116

Delta R.T. 0.030 min

Lab File: BG053710.D

Acq: 26 May 2022 1:43

Instrument :

BNA_G

ClientSampleId :

BU-03-052322

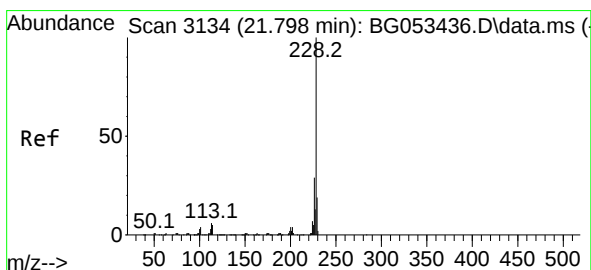
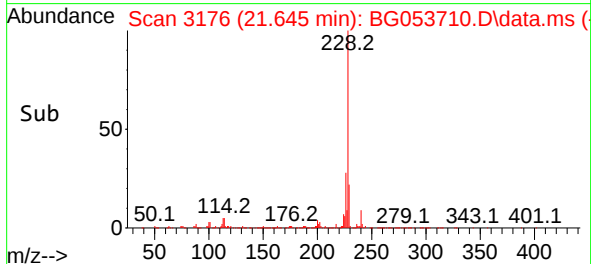
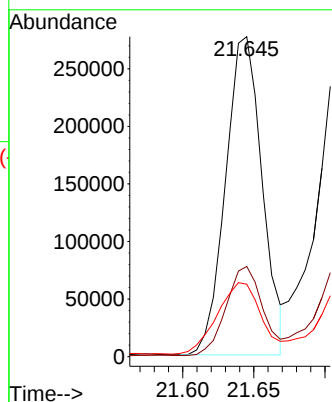
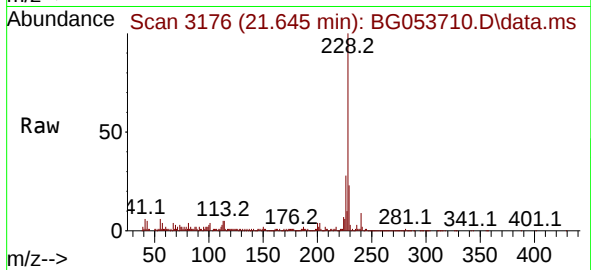
Tgt Ion:228 Resp: 495885

Ion Ratio Lower Upper

228 100

226 28.2 21.6 32.4

229 22.7 16.2 24.2



#83

Chrysene

Concen: 53.894 ng

RT: 21.710 min Scan# 3187

Delta R.T. 0.024 min

Lab File: BG053710.D

Acq: 26 May 2022 1:43

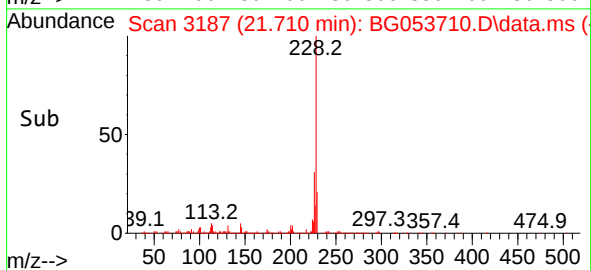
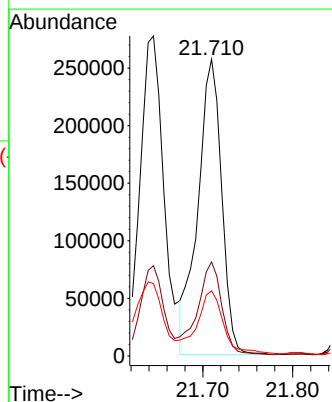
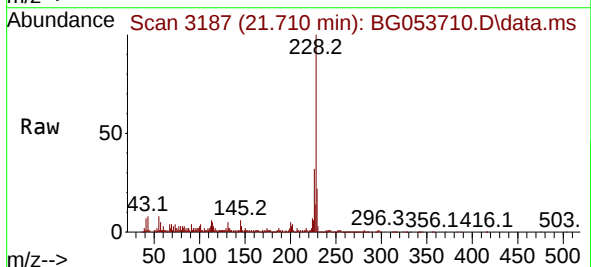
Tgt Ion:228 Resp: 472119

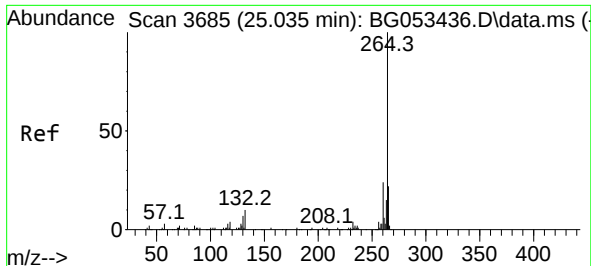
Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.2

229 21.9 15.5 23.3

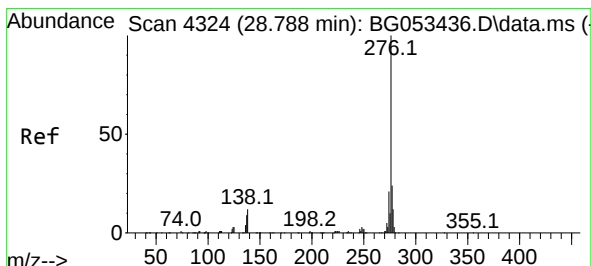
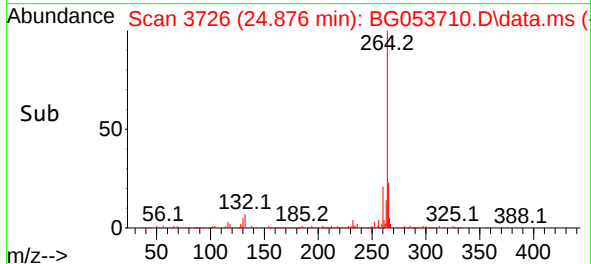
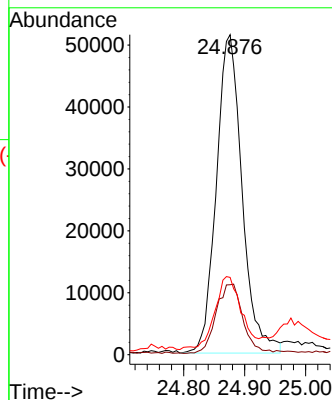
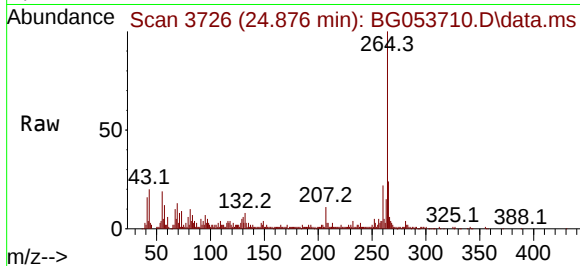




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.876 min Scan# 31
 Delta R.T. 0.036 min
 Lab File: BG053710.D
 Acq: 26 May 2022 1:43

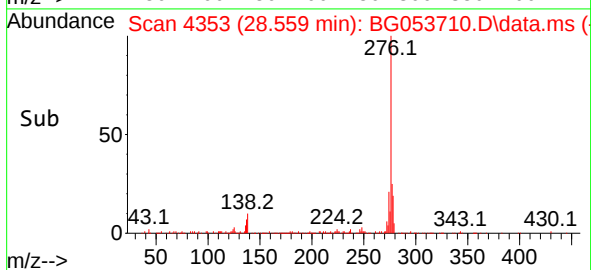
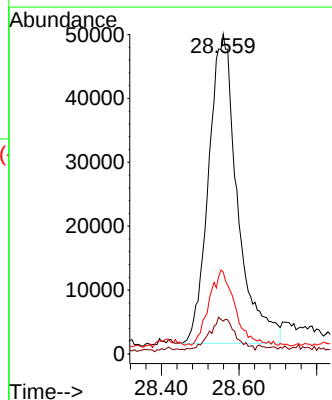
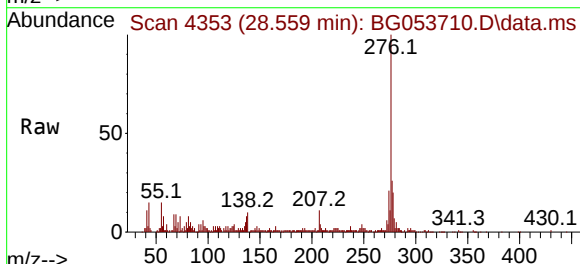
Instrument :
 BNA_G
 ClientSampleId :
 BU-03-052322

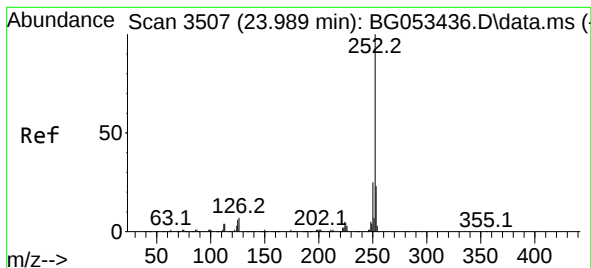
Tgt Ion:264 Resp: 150877
 Ion Ratio Lower Upper
 264 100
 260 21.9 19.0 28.6
 265 24.2 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 23.871 ng
 RT: 28.559 min Scan# 4353
 Delta R.T. 0.048 min
 Lab File: BG053710.D
 Acq: 26 May 2022 1:43

Tgt Ion:276 Resp: 250844
 Ion Ratio Lower Upper
 276 100
 138 9.4 5.0 7.4#
 277 21.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 72.640 ng

RT: 23.866 min Scan# 3

Delta R.T. 0.042 min

Lab File: BG053710.D

Acq: 26 May 2022 1:43

Instrument :

BNA_G

ClientSampleId :

BU-03-052322

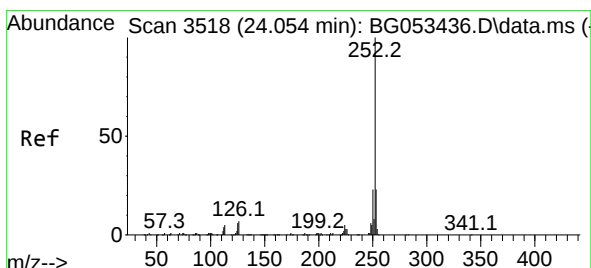
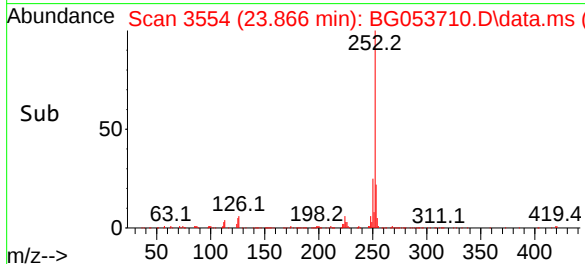
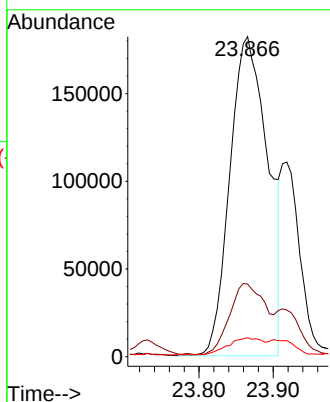
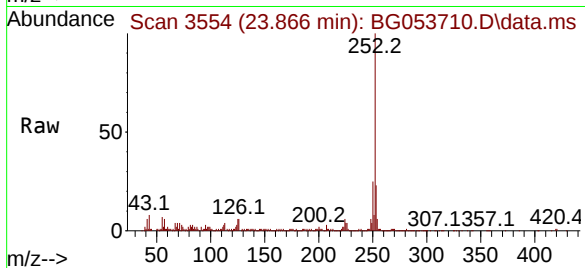
Tgt Ion:252 Resp: 648719

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

125 5.9 4.6 6.8



#89

Benzo(k)fluoranthene

Concen: 73.921 ng

RT: 23.866 min Scan# 3554

Delta R.T. -0.023 min

Lab File: BG053710.D

Acq: 26 May 2022 1:43

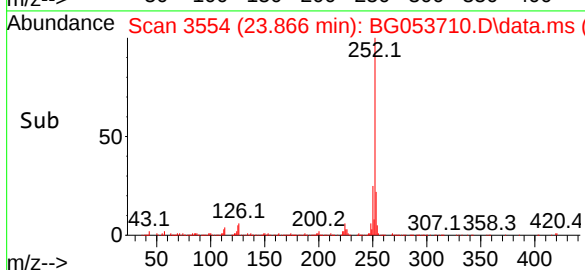
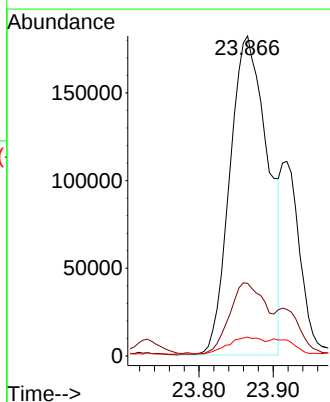
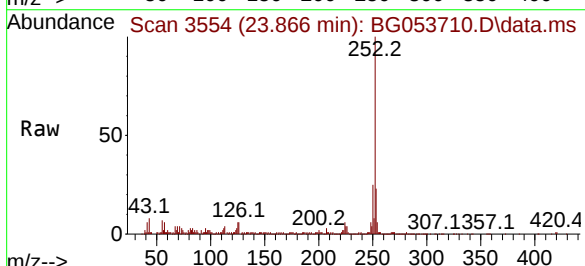
Tgt Ion:252 Resp: 648719

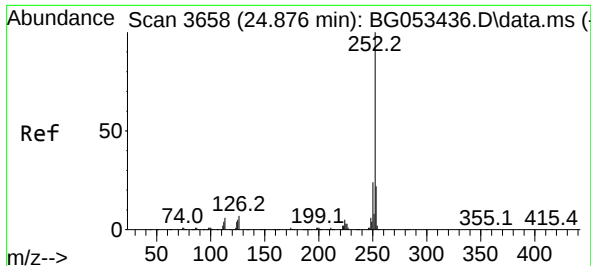
Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

125 5.9 4.8 7.2

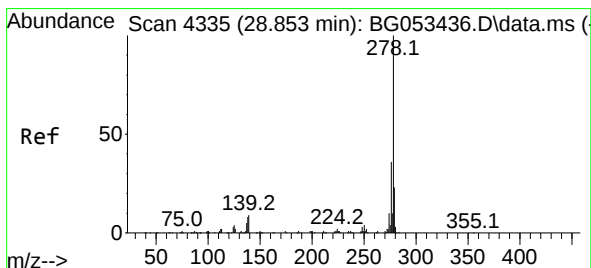
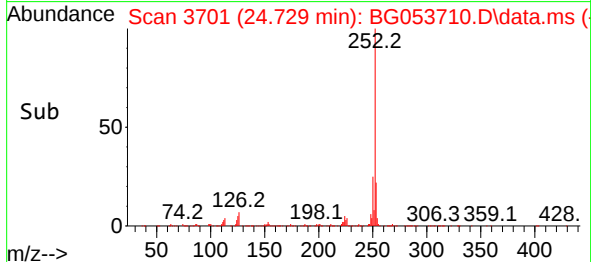
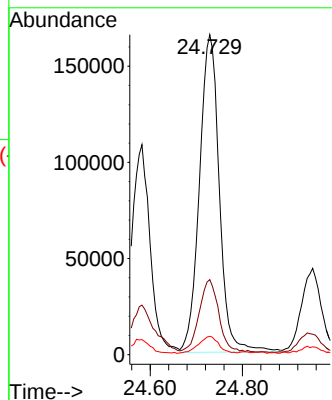
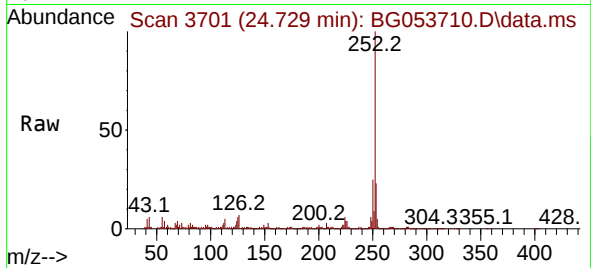




#90
Benzo(a)pyrene
Concen: 65.110 ng
RT: 24.729 min Scan# 31
Delta R.T. 0.042 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

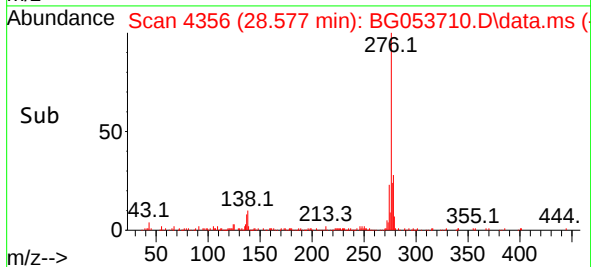
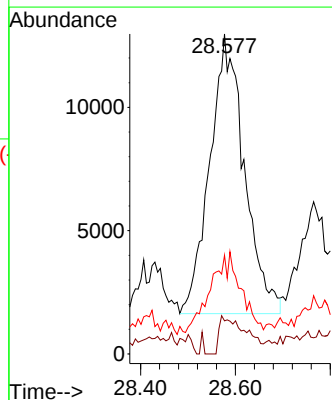
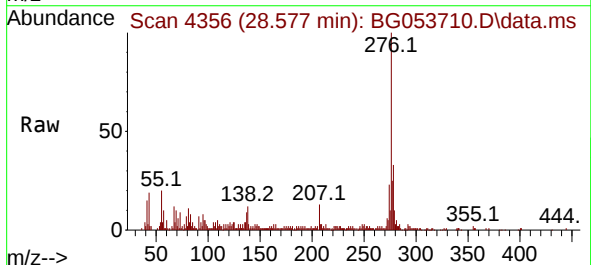
Instrument :
BNA_G
ClientSampleId :
BU-03-052322

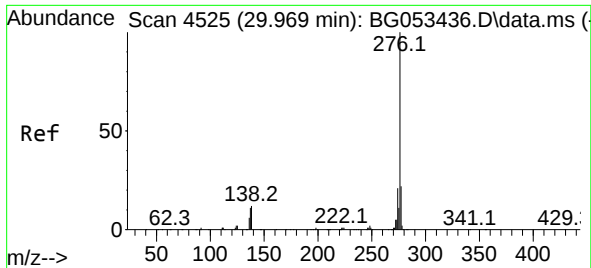
Tgt Ion:252 Resp: 494922
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 5.8 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 6.616 ng
RT: 28.577 min Scan# 4356
Delta R.T. 0.024 min
Lab File: BG053710.D
Acq: 26 May 2022 1:43

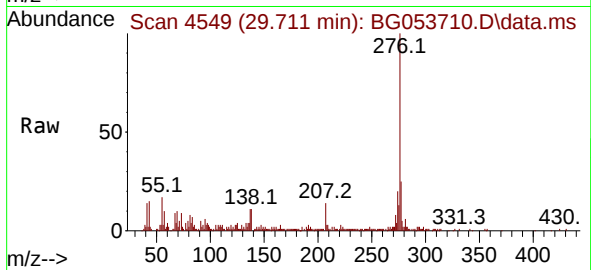
Tgt Ion:278 Resp: 57290
Ion Ratio Lower Upper
278 100
139 10.3 7.2 10.8
279 30.9 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 28.632 ng
 RT: 29.711 min Scan# 4
 Delta R.T. 0.060 min
 Lab File: BG053710.D
 Acq: 26 May 2022 1:43

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-052322



Tgt Ion:276 Resp: 245744
 Ion Ratio Lower Upper
 276 100
 277 24.9 17.3 25.9
 138 10.9 9.6 14.4

