

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
 Data File : BG055181.D
 Acq On : 14 Oct 2022 16:57
 Operator : CG/JU
 Sample : N5118-03DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-4-101222DL

Quant Time: Oct 14 17:36:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 13 05:14:13 2022
 Response via : Initial Calibration

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

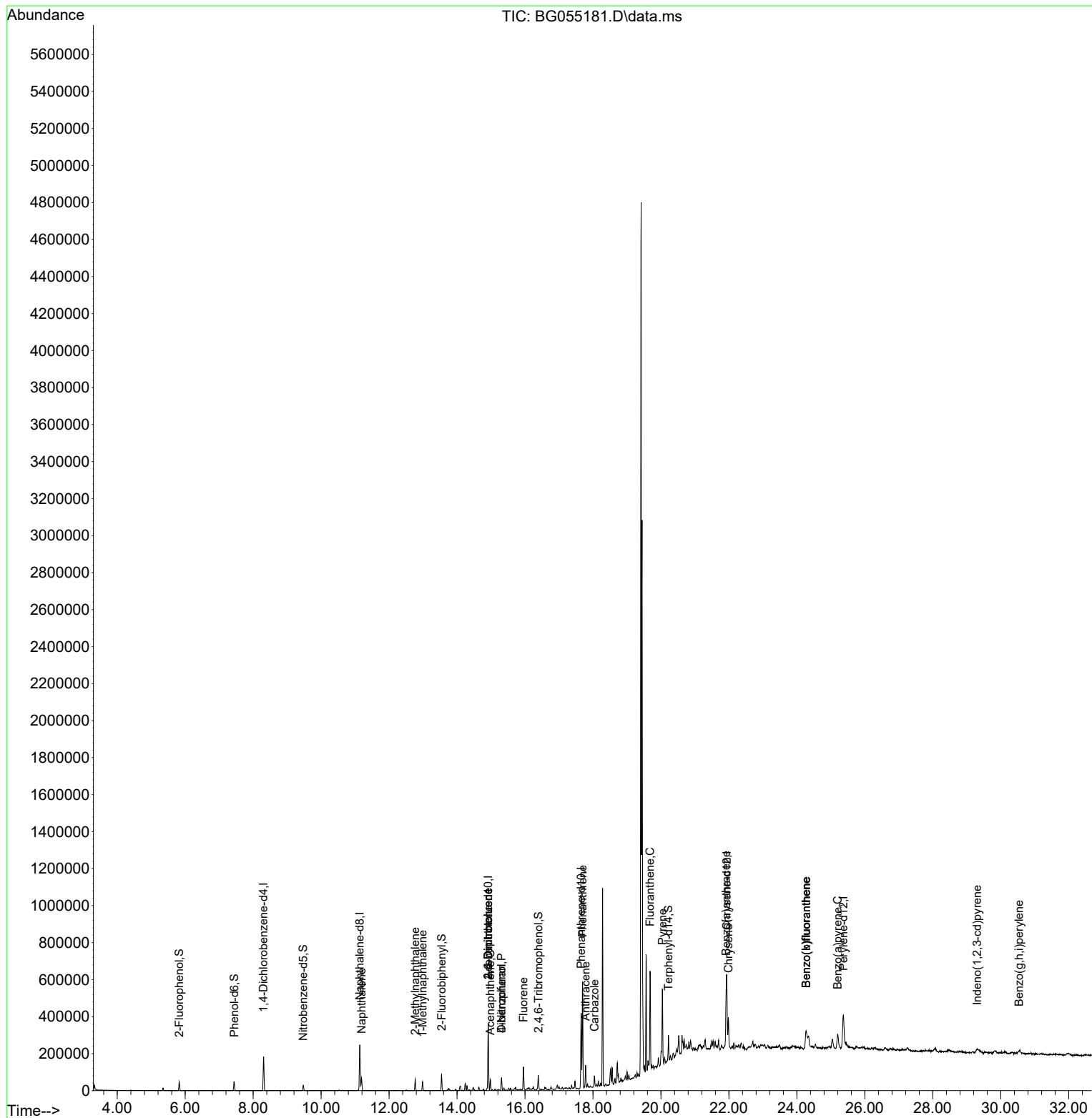
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.303	152	55437	20.000	ng	0.00
21) Naphthalene-d8	11.135	136	213942	20.000	ng	0.00
39) Acenaphthene-d10	14.913	164	130960	20.000	ng	0.00
64) Phenanthrene-d10	17.651	188	257305	20.000	ng	0.00
76) Chrysene-d12	21.934	240	235088	20.000	ng	0.00
86) Perylene-d12	25.365	264	229193	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.824	112	22203	7.836	ng	0.00
7) Phenol-d6	7.439	99	29574	7.056	ng	0.00
23) Nitrobenzene-d5	9.472	82	18152	4.550	ng	0.00
42) 2,4,6-Tribromophenol	16.394	330	12625	6.709	ng	0.00
45) 2-Fluorobiphenyl	13.544	172	44788	5.587	ng	0.00
79) Terphenyl-d14	20.218	244	60553	5.188	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.188	128	57676	5.126	ng	98
37) 2-Methylnaphthalene	12.768	142	27681	3.285	ng	99
38) 1-Methylnaphthalene	12.986	142	22701	2.762	ng	94
51) 2,6-Dinitrotoluene	14.913	165	18535	8.556	ng	# 21
52) Acenaphthene	14.978	154	21067	2.758	ng	99
55) Dibenzofuran	15.307	168	38668	3.245	ng	98
56) 4-Nitrophenol	15.307	139	15003	7.671	ng	# 8
57) 2,4-Dinitrotoluene	14.913	165	18535	5.842	ng	# 23
58) Fluorene	15.953	166	55546	5.677	ng	99
71) Phenanthrene	17.692	178	359853	26.963	ng	99
72) Anthracene	17.780	178	79505	6.096	ng	99
73) Carbazole	18.039	167	36477	3.004	ng	100
75) Fluoranthene	19.678	202	341664	20.479	ng	99
78) Pyrene	20.042	202	285236	18.201	ng	99
81) Benzo(a)anthracene	21.911	228	146043	9.709	ng	98
83) Chrysene	21.981	228	124666	8.786	ng	97
87) Indeno(1,2,3-cd)pyrene	29.302	276	46215	2.722	ng	# 89
88) Benzo(b)fluoranthene	24.273	252	144179	10.554	ng	# 97
89) Benzo(k)fluoranthene	24.273	252	144179	10.505	ng	# 97
90) Benzo(a)pyrene	25.195	252	108488	9.287	ng	# 96
92) Benzo(g,h,i)perylene	30.536	276	36978	2.687	ng	# 88

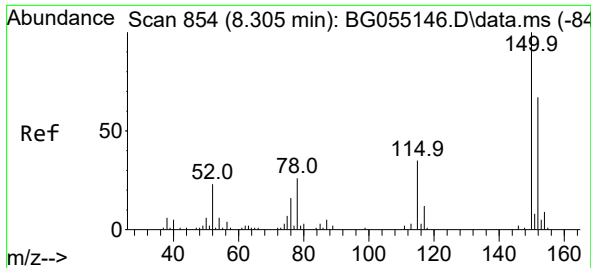
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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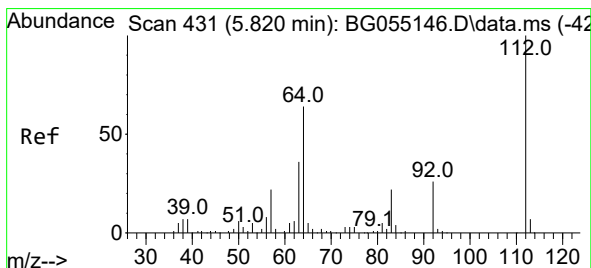
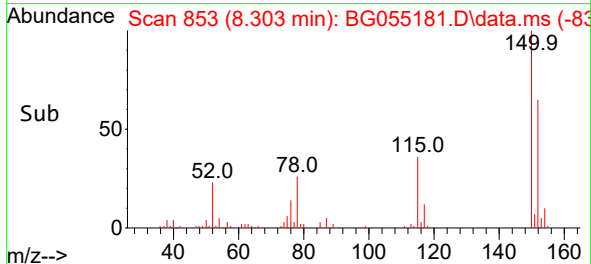
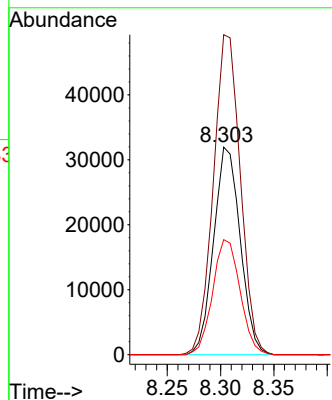
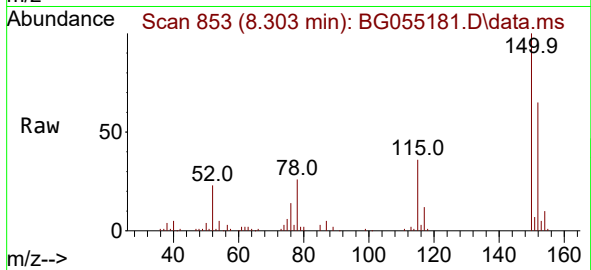




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.303 min Scan# 854
Delta R.T. -0.002 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

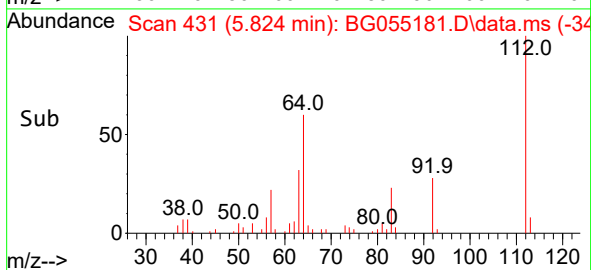
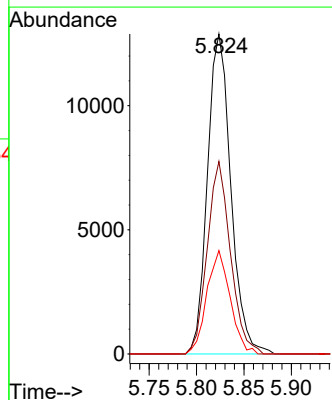
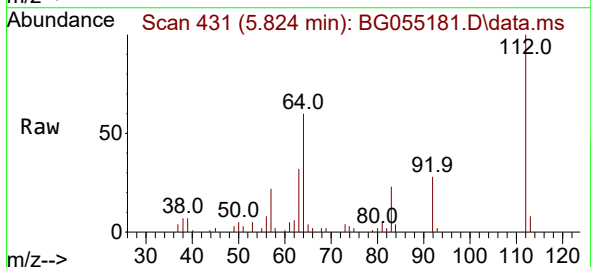
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL

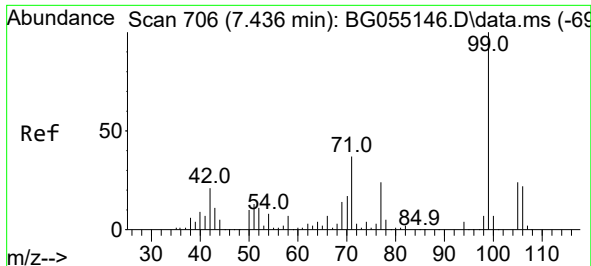
Tgt Ion:152 Resp: 55437
Ion Ratio Lower Upper
152 100
150 154.2 119.7 179.5
115 55.4 42.4 63.6



#5
2-Fluorophenol
Concen: 7.836 ng
RT: 5.824 min Scan# 431
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Tgt Ion:112 Resp: 22203
Ion Ratio Lower Upper
112 100
64 60.1 50.9 76.3
63 32.3 29.0 43.6

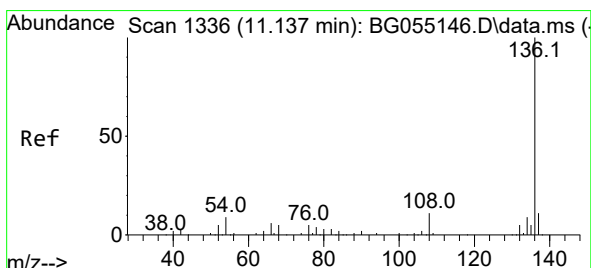
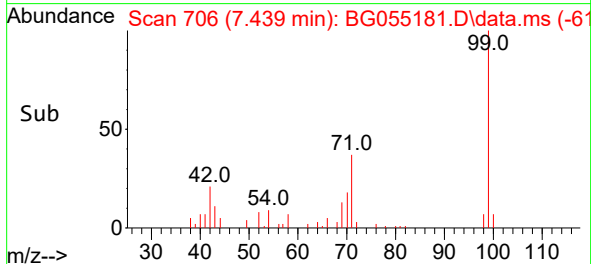
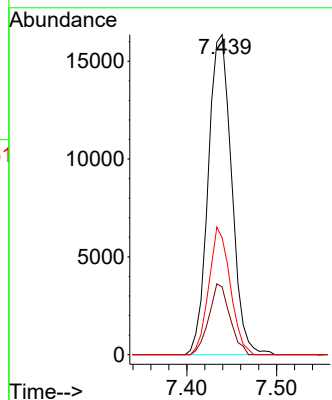
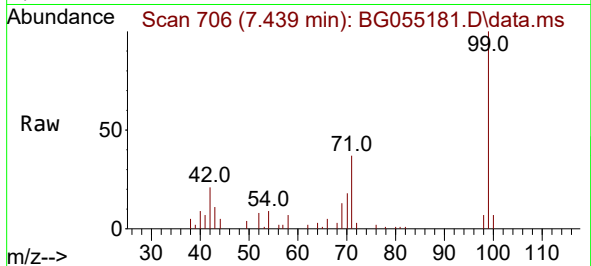




#7
Phenol-d6
Concen: 7.056 ng
RT: 7.439 min Scan# 706
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

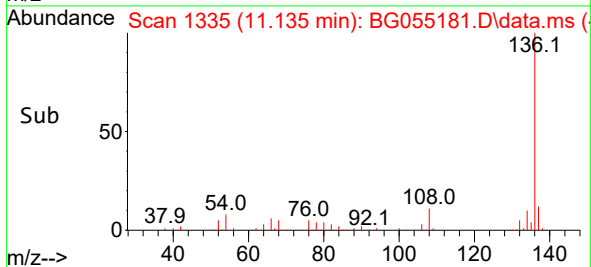
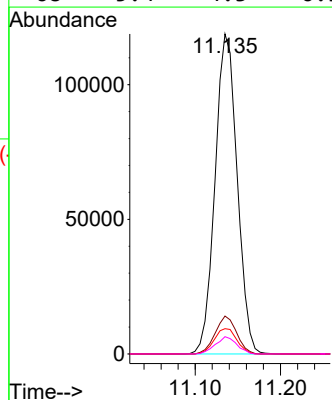
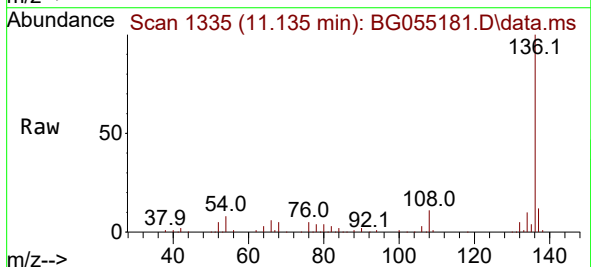
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL

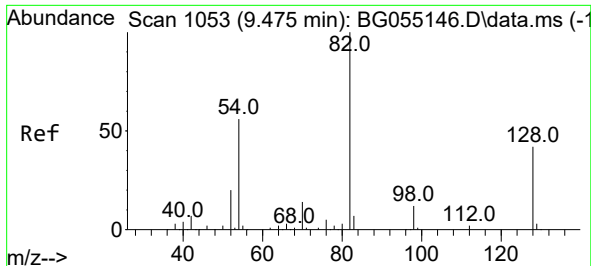
Tgt Ion: 99 Resp: 29574
Ion Ratio Lower Upper
99 100
42 21.2 16.6 25.0
71 36.5 29.6 44.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.135 min Scan# 1335
Delta R.T. -0.002 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Tgt Ion:136 Resp: 213942
Ion Ratio Lower Upper
136 100
137 11.9 9.1 13.7
54 7.9 7.0 10.6
68 5.4 4.3 6.5

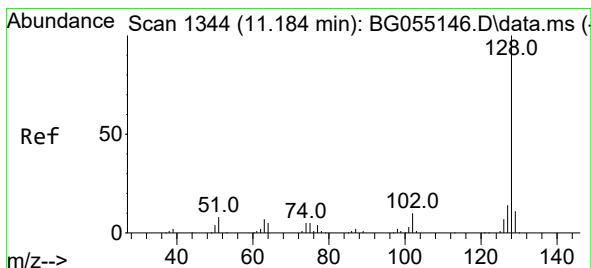
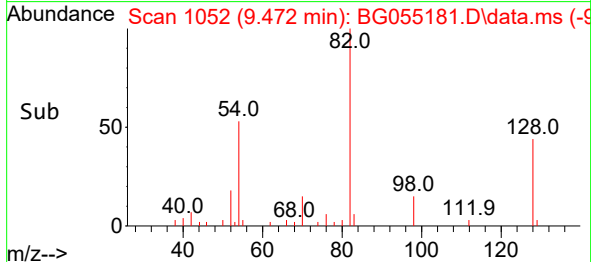
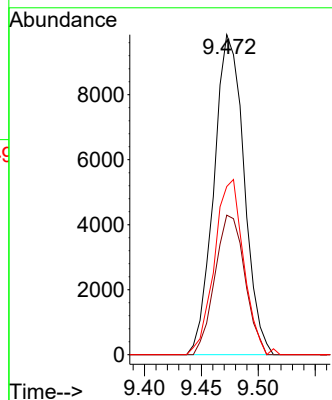
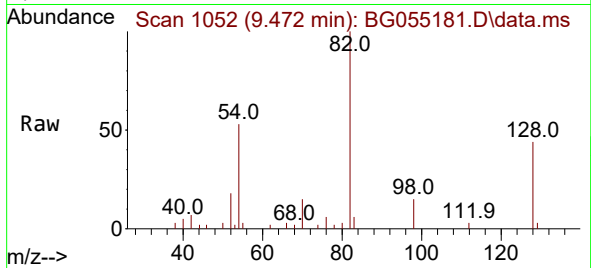




#23
Nitrobenzene-d5
Concen: 4.550 ng
RT: 9.472 min Scan# 1052
Delta R.T. -0.002 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

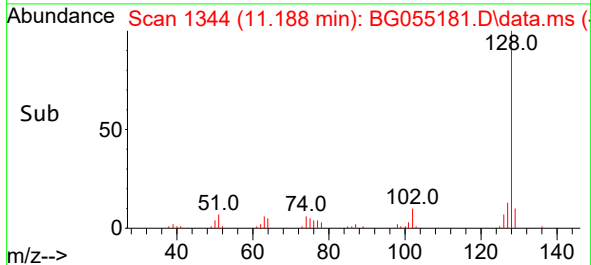
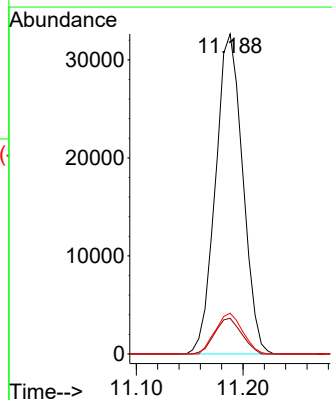
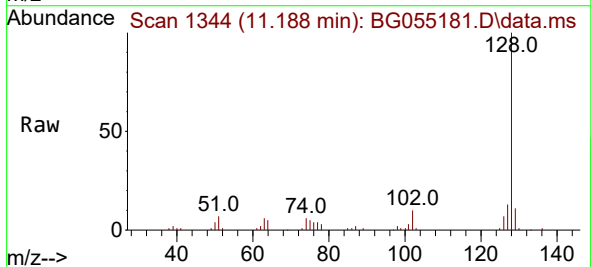
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL

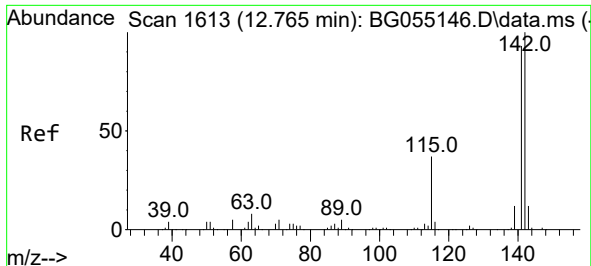
Tgt Ion: 82 Resp: 18152
Ion Ratio Lower Upper
82 100
128 43.6 33.5 50.3
54 52.6 44.7 67.1



#31
Naphthalene
Concen: 5.126 ng
RT: 11.188 min Scan# 1344
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Tgt Ion:128 Resp: 57676
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 12.8 11.1 16.7





#37

2-Methylnaphthalene

Concen: 3.285 ng

RT: 12.768 min Scan# 1

Delta R.T. 0.004 min

Lab File: BG055181.D

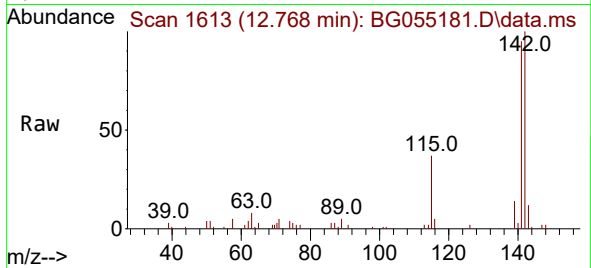
Acq: 14 Oct 2022 16:57

Instrument :

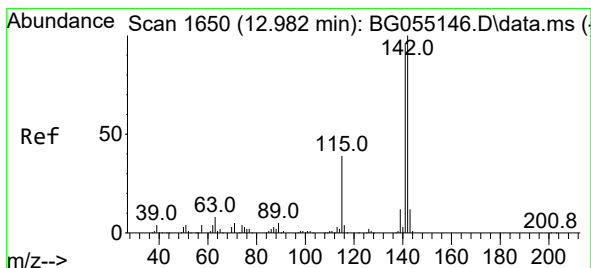
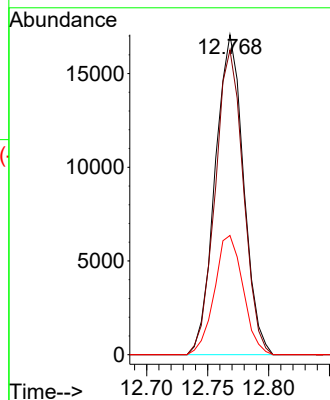
BNA_G

ClientSampleId :

SU-4-101222DL



Tgt Ion:142	Resp:	27681
Ion Ratio	Lower	Upper
142	100	
141	95.2	74.8 112.2
115	37.2	29.8 44.6



#38

1-Methylnaphthalene

Concen: 2.762 ng

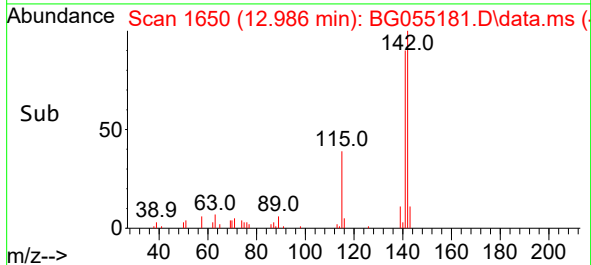
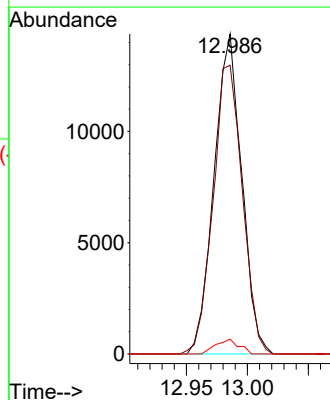
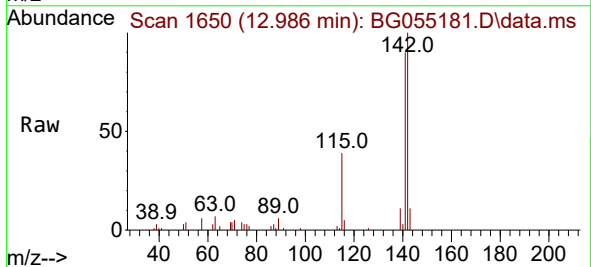
RT: 12.986 min Scan# 1650

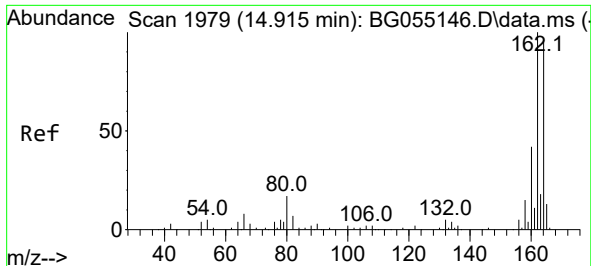
Delta R.T. 0.004 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

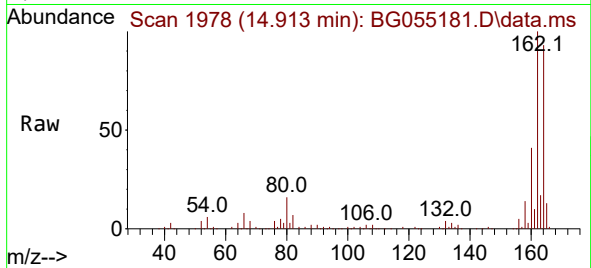
Tgt Ion:142	Resp:	22701
Ion Ratio	Lower	Upper
142	100	
141	90.2	76.9 115.3
116	4.6	3.2 4.8



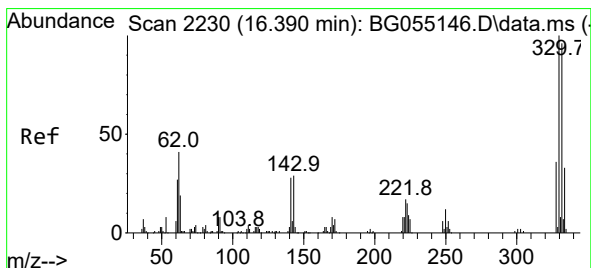
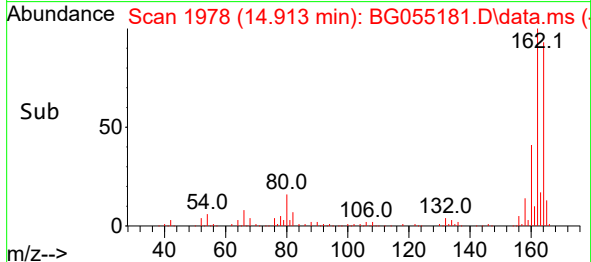
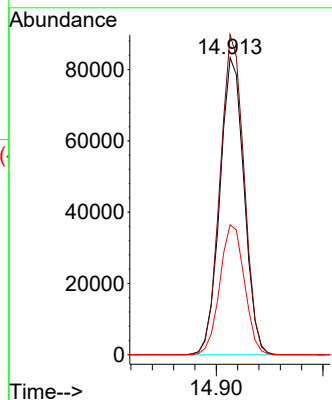


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.913 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL

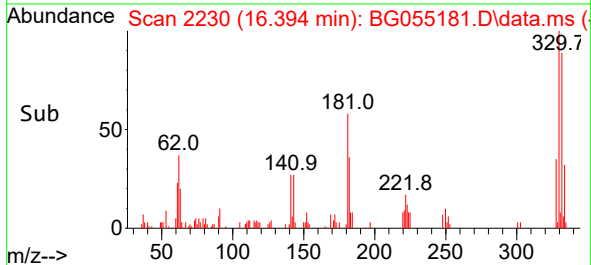
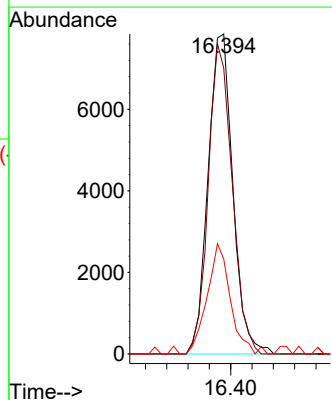
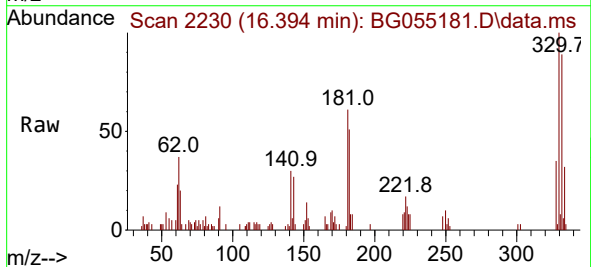


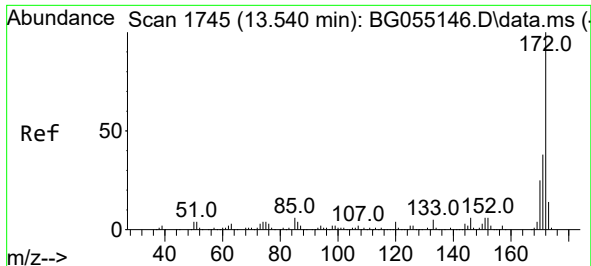
Tgt Ion:164 Resp: 130960
Ion Ratio Lower Upper
164 100
162 107.8 83.3 124.9
160 43.8 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 6.709 ng
RT: 16.394 min Scan# 2230
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Tgt Ion:330 Resp: 12625
Ion Ratio Lower Upper
330 100
332 93.6 77.0 115.4
141 32.5 24.6 36.8

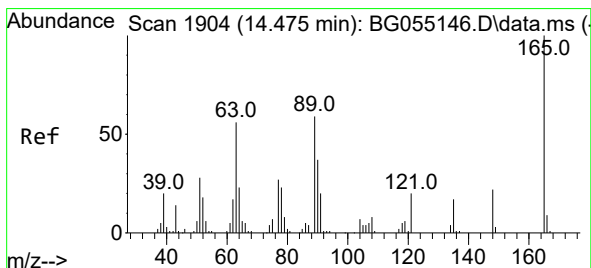
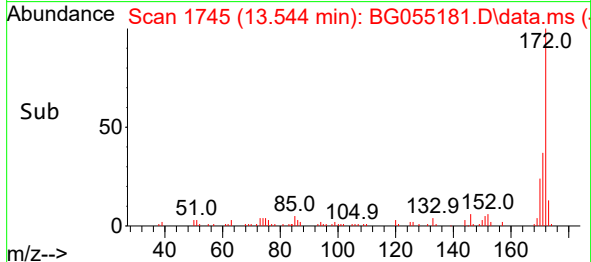
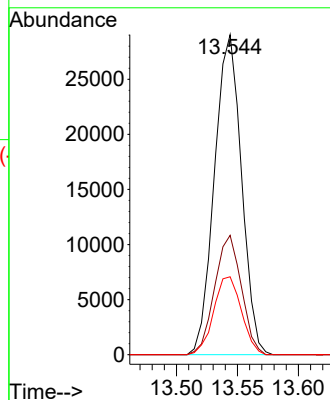
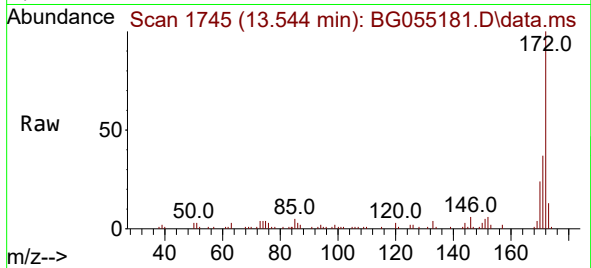




#45
 2-Fluorobiphenyl
 Concen: 5.587 ng
 RT: 13.544 min Scan# 11
 Delta R.T. 0.004 min
 Lab File: BG055181.D
 Acq: 14 Oct 2022 16:57

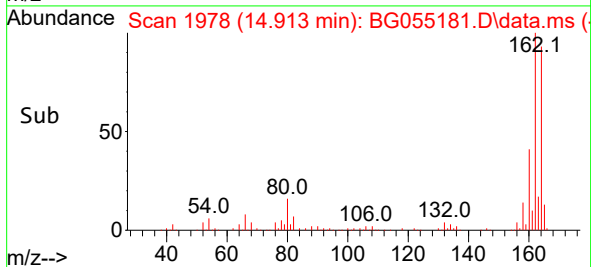
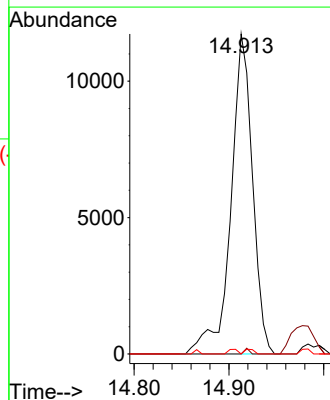
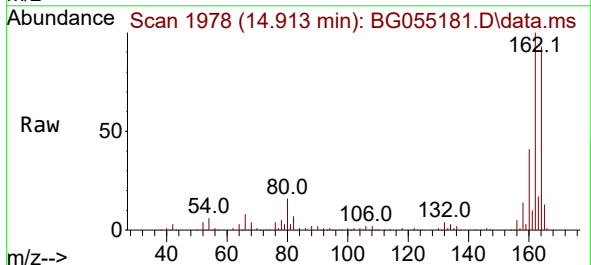
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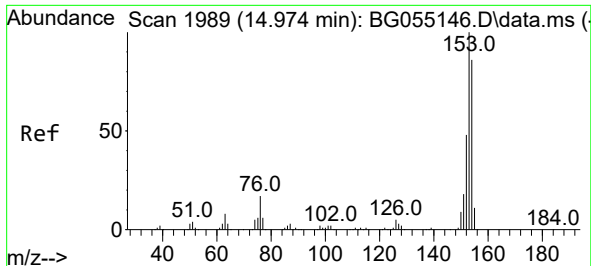
Tgt Ion:172 Resp: 44788
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.1 45.1
 170 24.4 19.8 29.6



#51
 2,6-Dinitrotoluene
 Concen: 8.556 ng
 RT: 14.913 min Scan# 1978
 Delta R.T. 0.438 min
 Lab File: BG055181.D
 Acq: 14 Oct 2022 16:57

Tgt Ion:165 Resp: 18535
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.6 70.0#
 89 0.0 47.6 71.4#

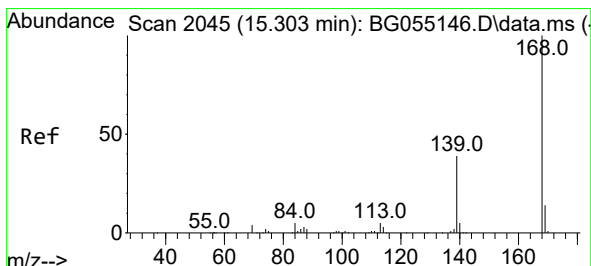
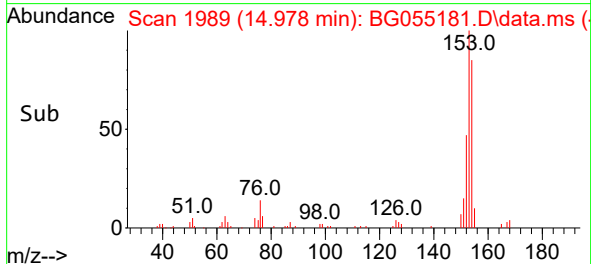
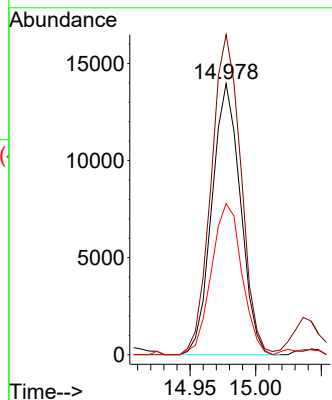
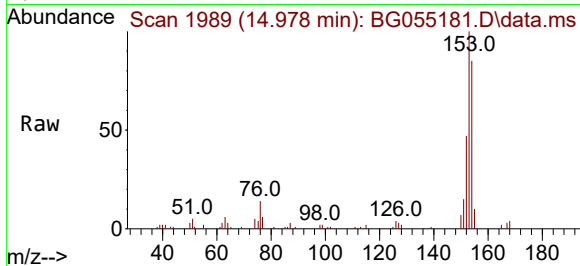




#52
Acenaphthene
Concen: 2.758 ng
RT: 14.978 min Scan# 1989
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

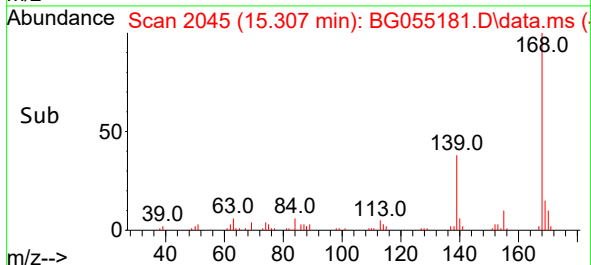
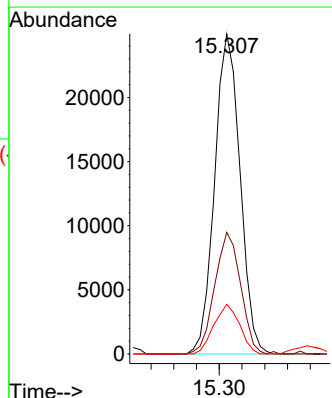
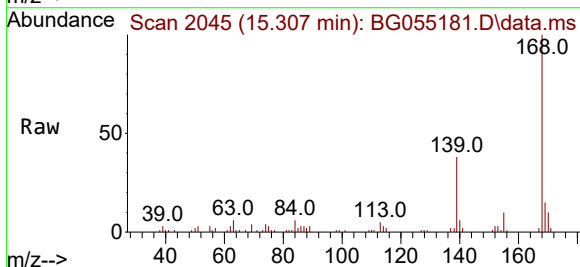
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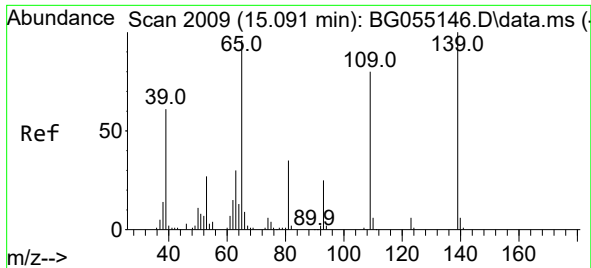
Tgt Ion:154 Resp: 21067
Ion Ratio Lower Upper
154 100
153 118.1 93.0 139.4
152 55.7 44.6 66.8



#55
Dibenzofuran
Concen: 3.245 ng
RT: 15.307 min Scan# 2045
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Tgt Ion:168 Resp: 38668
Ion Ratio Lower Upper
168 100
139 38.0 30.9 46.3
169 15.5 11.0 16.6

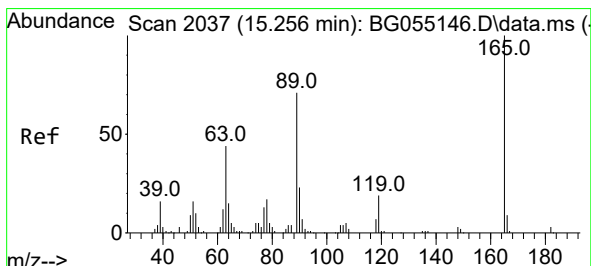
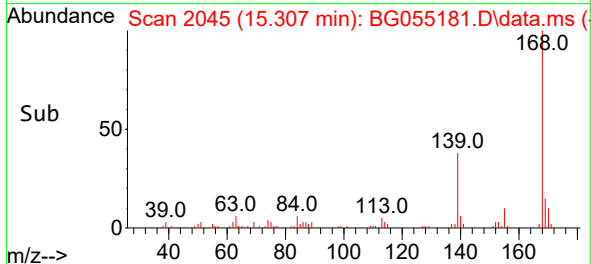
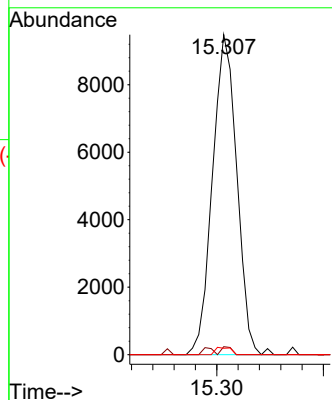
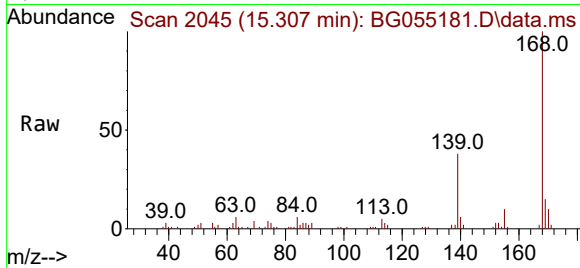




#56
4-Nitrophenol
Concen: 7.671 ng
RT: 15.307 min Scan# 20
Delta R.T. 0.215 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

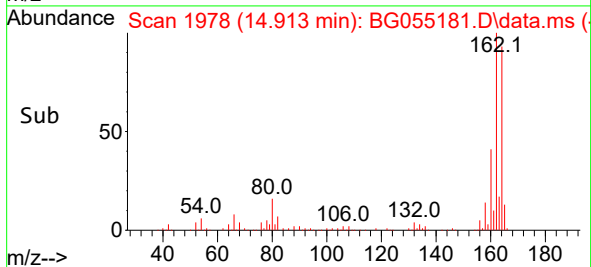
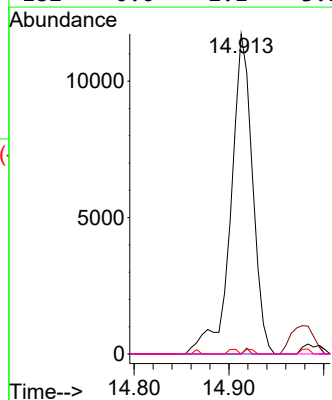
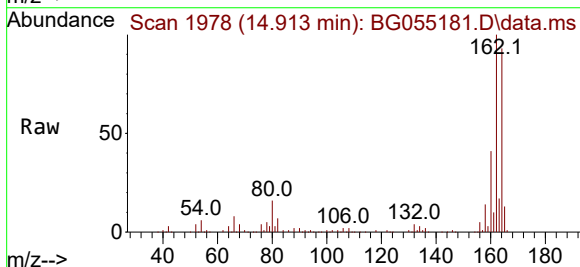
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL

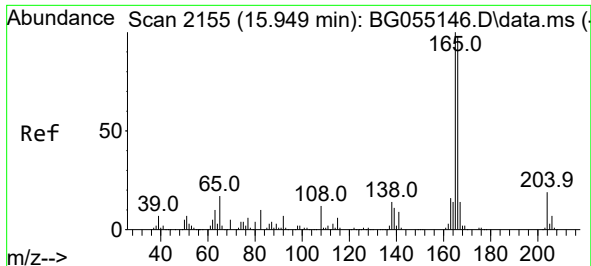
Tgt Ion:139 Resp: 15003
Ion Ratio Lower Upper
139 100
109 2.5 60.1 100.1#
65 2.0 76.1 116.1#



#57
2,4-Dinitrotoluene
Concen: 5.842 ng
RT: 14.913 min Scan# 1978
Delta R.T. -0.343 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Tgt Ion:165 Resp: 18535
Ion Ratio Lower Upper
165 100
63 0.0 35.6 53.4#
89 0.0 56.4 84.6#
182 0.0 2.1 3.1#

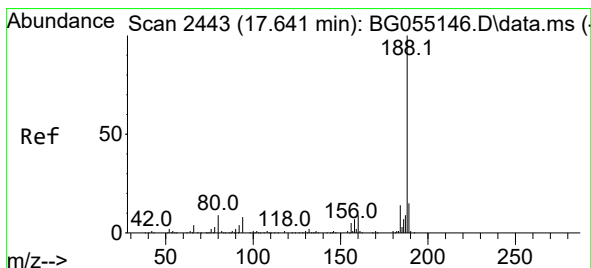
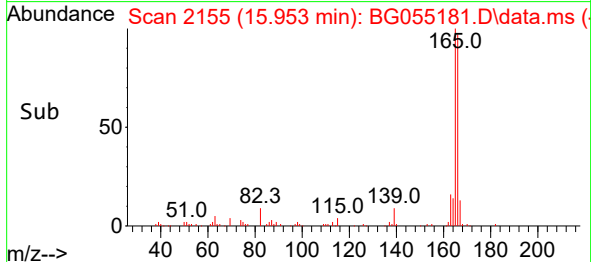
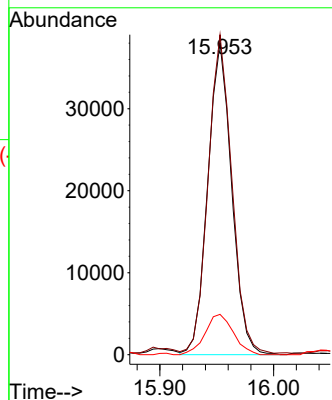
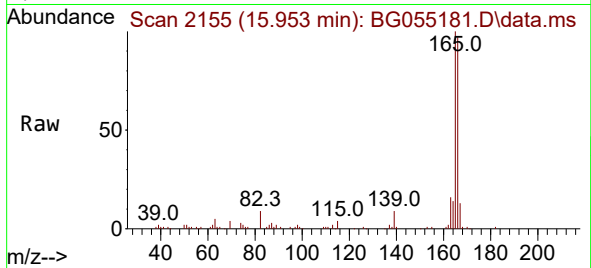




#58
Fluorene
Concen: 5.677 ng
RT: 15.953 min Scan# 2155
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

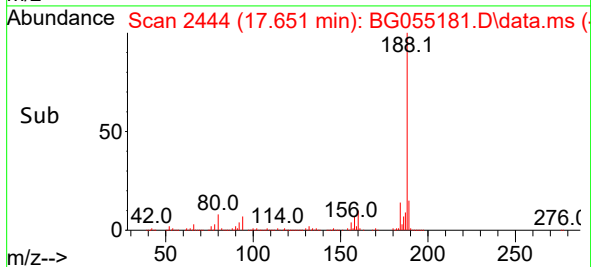
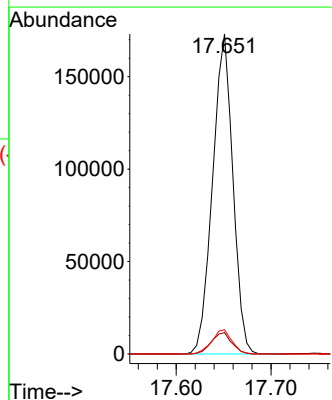
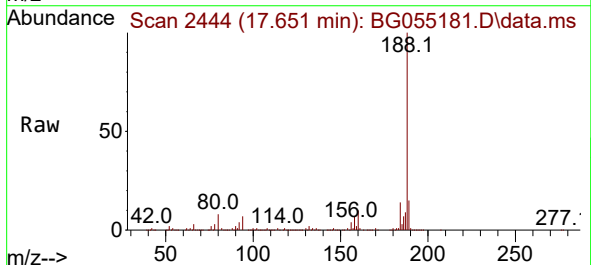
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL

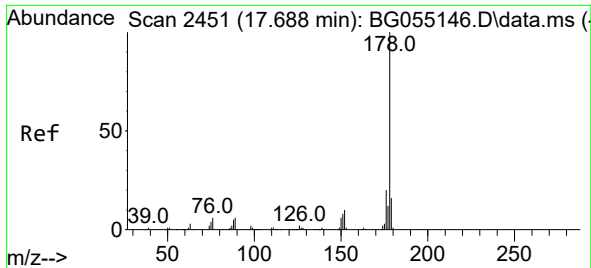
Tgt Ion:166 Resp: 55546
Ion Ratio Lower Upper
166 100
165 102.6 81.6 122.4
167 12.9 11.2 16.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.651 min Scan# 2444
Delta R.T. 0.009 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Tgt Ion:188 Resp: 257305
Ion Ratio Lower Upper
188 100
94 6.7 6.2 9.2
80 7.6 7.0 10.6

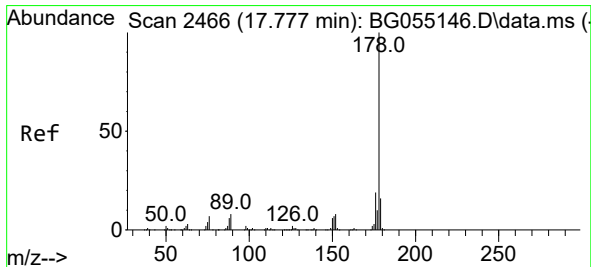
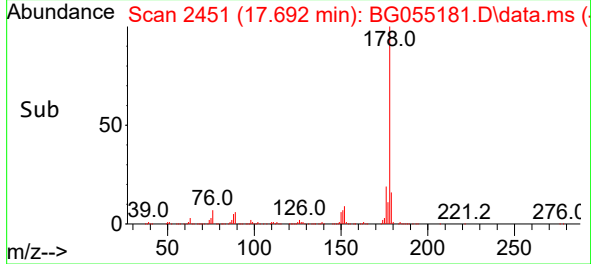
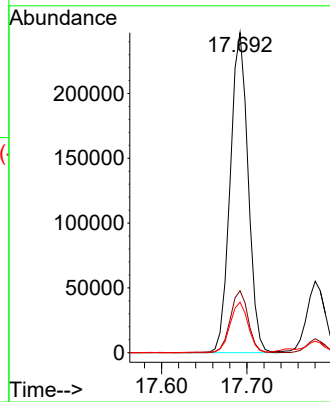
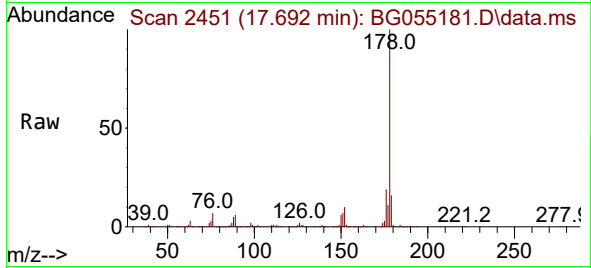




#71
Phenanthrene
Concen: 26.963 ng
RT: 17.692 min Scan# 2451
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

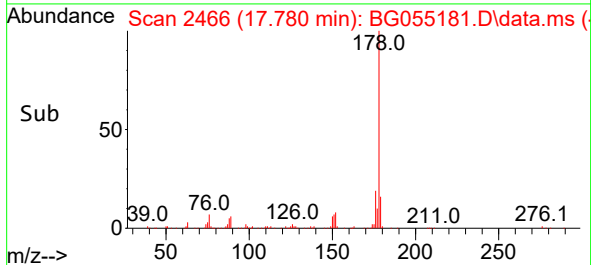
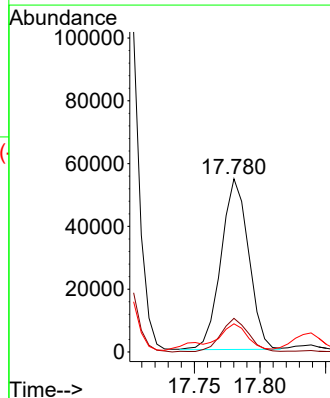
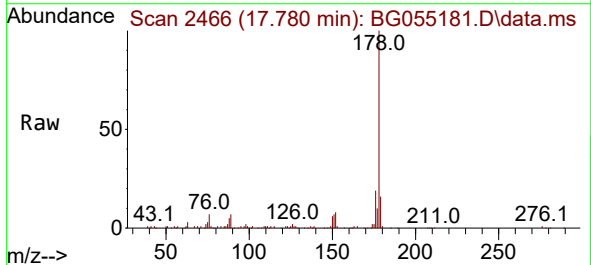
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL

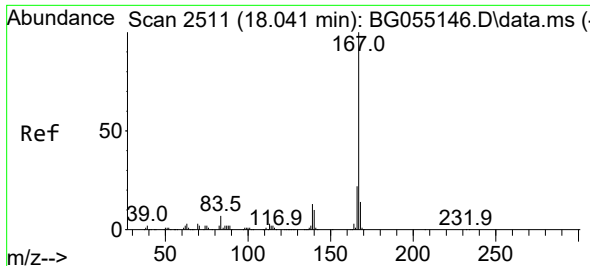
Tgt Ion:178 Resp: 359853
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.7 12.7 19.1



#72
Anthracene
Concen: 6.096 ng
RT: 17.780 min Scan# 2466
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Tgt Ion:178 Resp: 79505
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 16.2 13.0 19.4

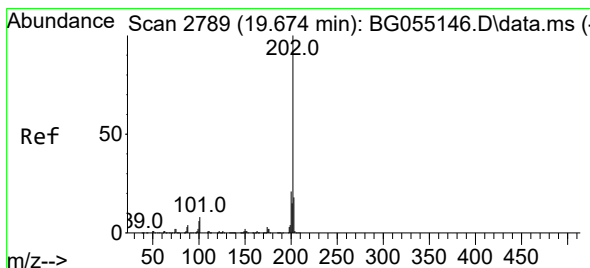
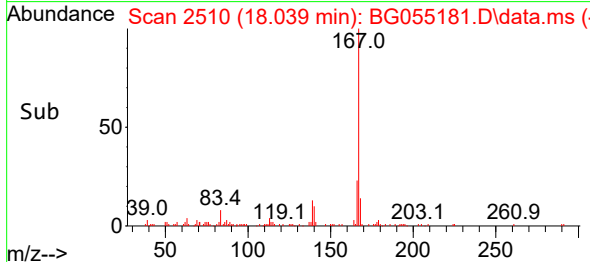
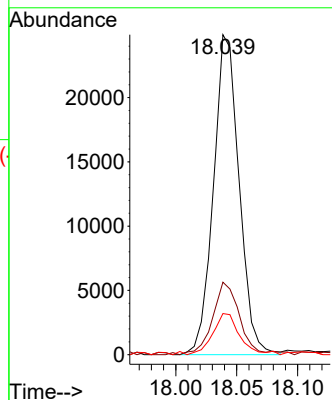
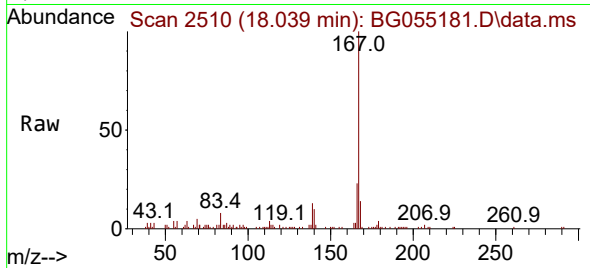




#73
 Carbazole
 Concen: 3.004 ng
 RT: 18.039 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG055181.D
 Acq: 14 Oct 2022 16:57

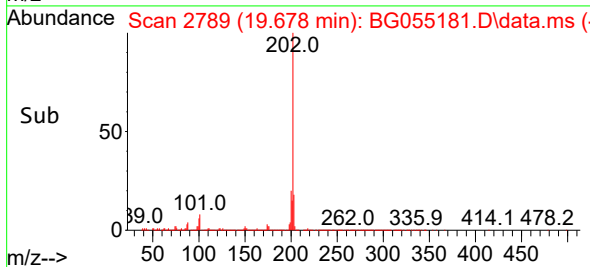
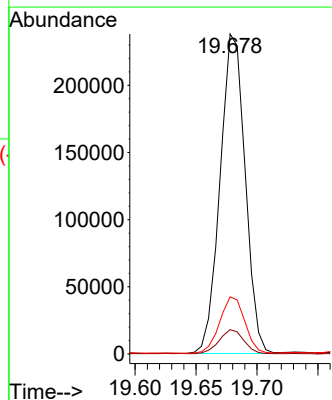
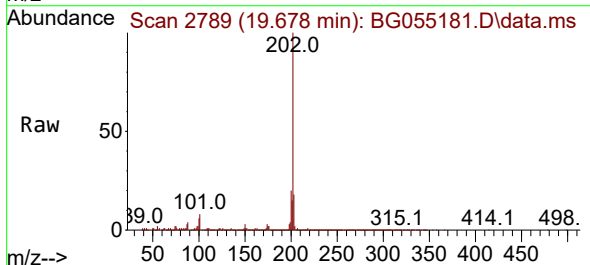
Instrument :
 BNA_G
 ClientSampleId :
 SU-4-101222DL

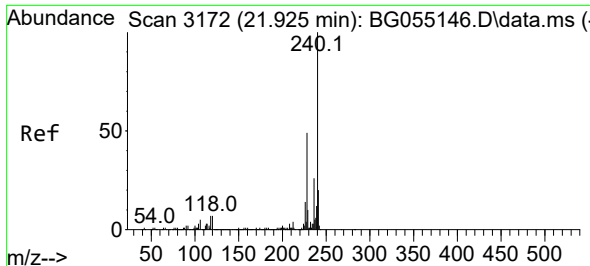
Tgt Ion:167 Resp: 36477
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.9 26.9
 139 12.8 10.2 15.2



#75
 Fluoranthene
 Concen: 20.479 ng
 RT: 19.678 min Scan# 2789
 Delta R.T. 0.004 min
 Lab File: BG055181.D
 Acq: 14 Oct 2022 16:57

Tgt Ion:202 Resp: 341664
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 28.4
 203 17.9 0.0 37.8

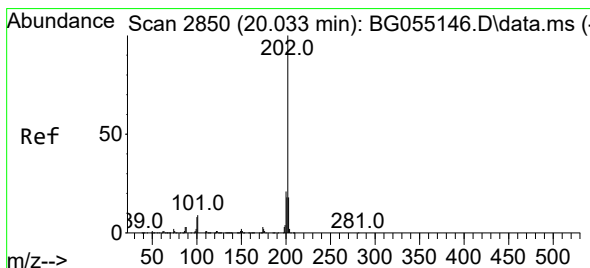
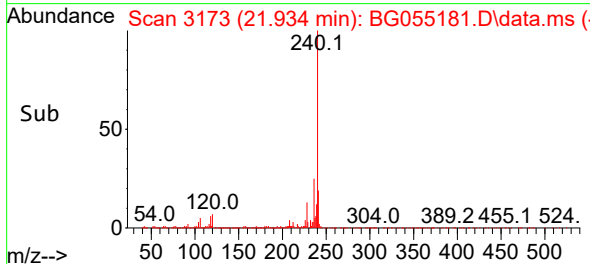
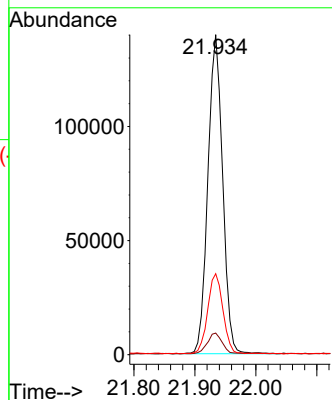
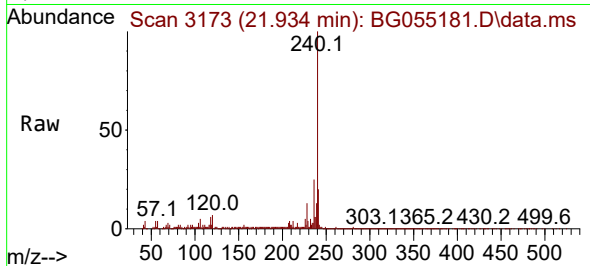




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.934 min Scan# 3173
Delta R.T. 0.009 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

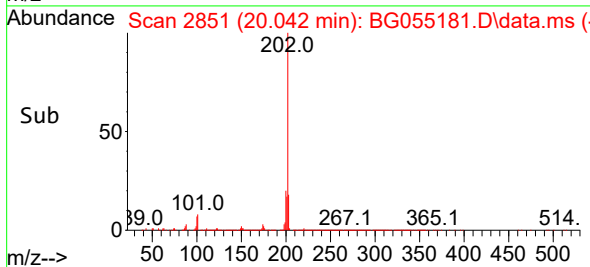
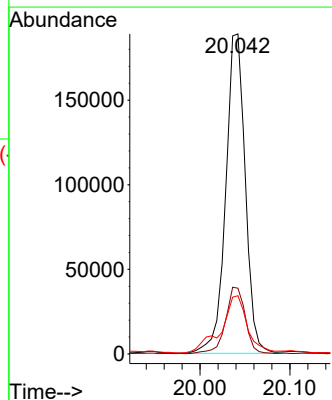
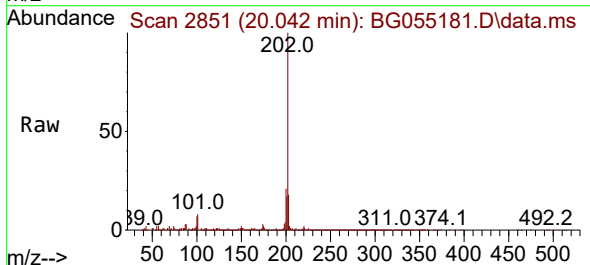
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL

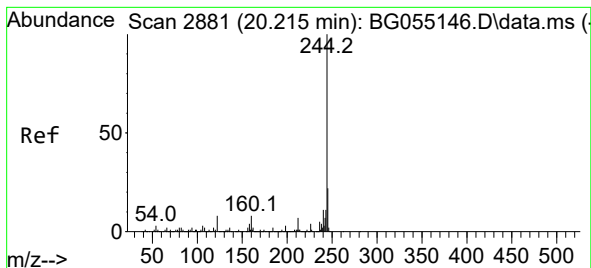
Tgt Ion:240 Resp: 235088
Ion Ratio Lower Upper
240 100
120 6.7 5.4 8.0
236 25.3 20.6 31.0



#78
Pyrene
Concen: 18.201 ng
RT: 20.042 min Scan# 2851
Delta R.T. 0.009 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Tgt Ion:202 Resp: 285236
Ion Ratio Lower Upper
202 100
200 20.5 16.9 25.3
203 18.2 14.4 21.6





#79

Terphenyl-d14

Concen: 5.188 ng

RT: 20.218 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

Instrument :

BNA_G

ClientSampleId :

SU-4-101222DL

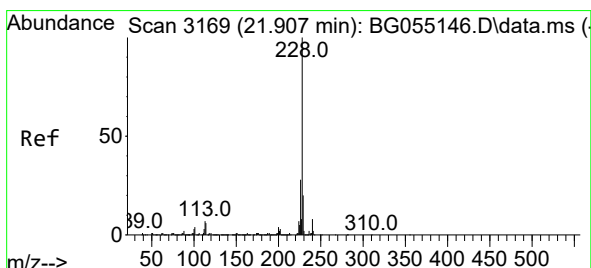
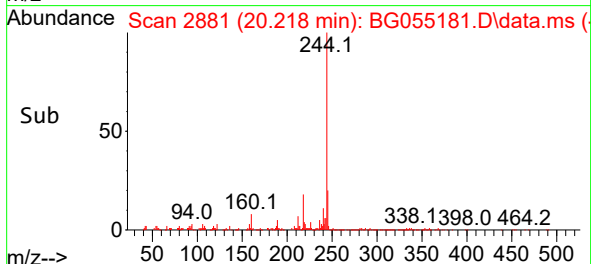
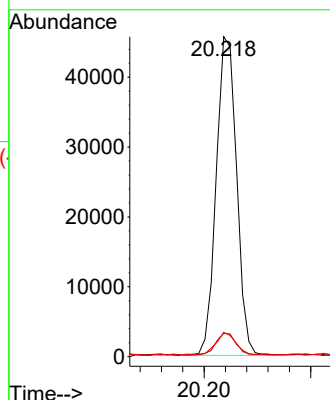
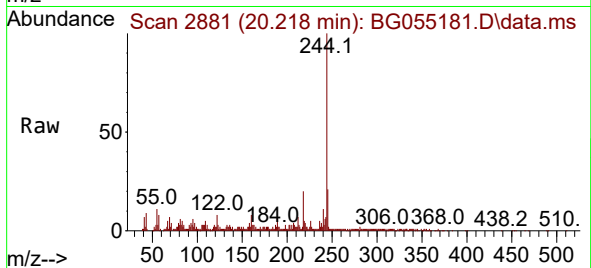
Tgt Ion:244 Resp: 60553

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 7.6 6.6 10.0



#81

Benzo(a)anthracene

Concen: 9.709 ng

RT: 21.911 min Scan# 3169

Delta R.T. 0.004 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

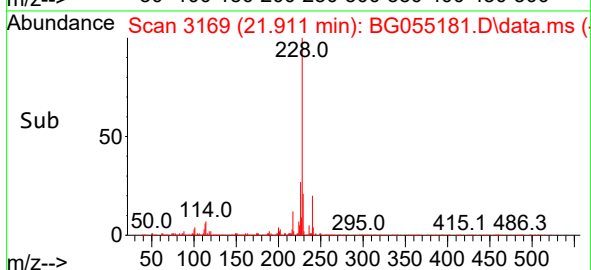
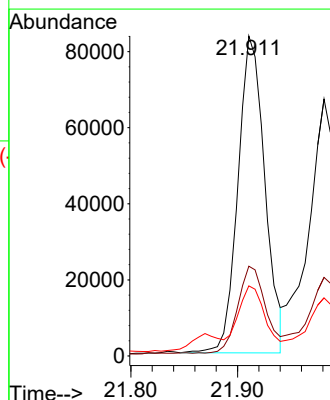
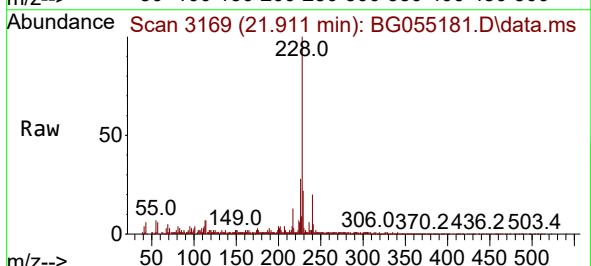
Tgt Ion:228 Resp: 146043

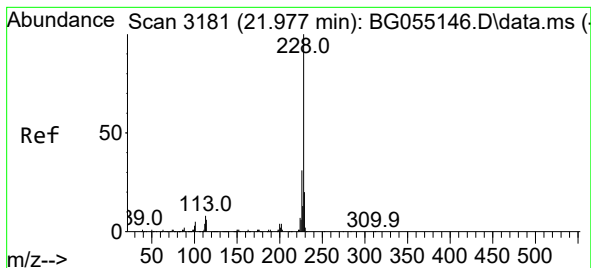
Ion Ratio Lower Upper

228 100

226 28.1 22.6 34.0

229 21.9 16.2 24.4





#83

Chrysene

Concen: 8.786 ng

RT: 21.981 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

Instrument :

BNA_G

ClientSampleId :

SU-4-101222DL

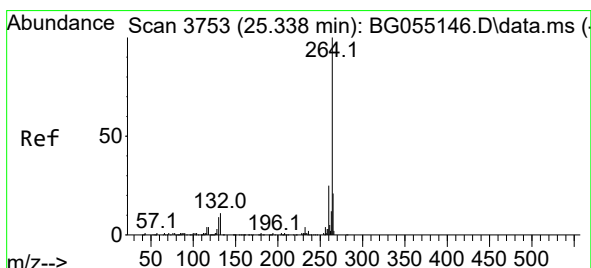
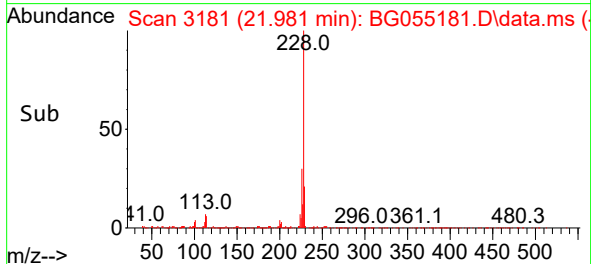
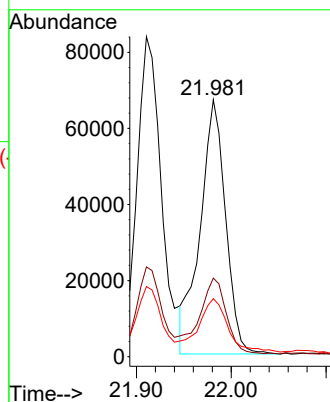
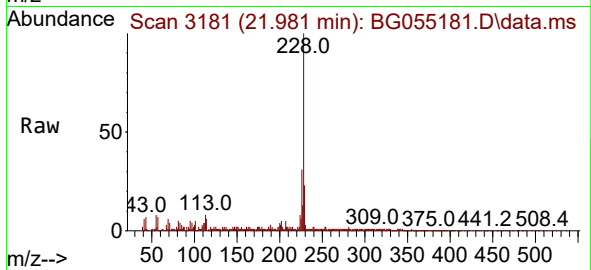
Tgt Ion:228 Resp: 124666

Ion Ratio Lower Upper

228 100

226 30.6 25.1 37.7

229 22.6 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.365 min Scan# 3757

Delta R.T. 0.027 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

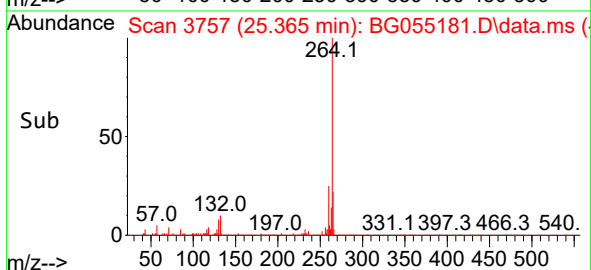
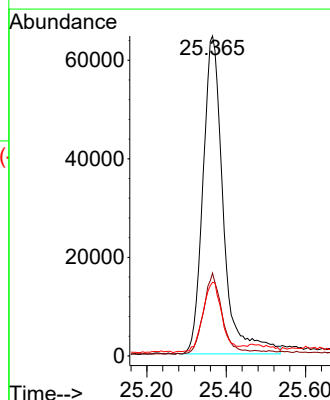
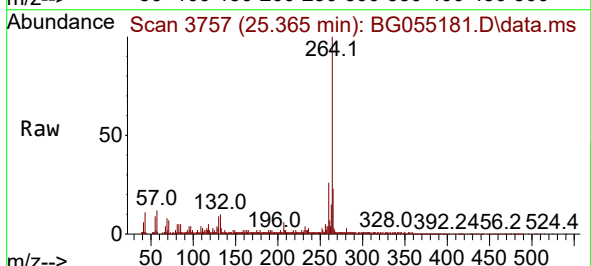
Tgt Ion:264 Resp: 229193

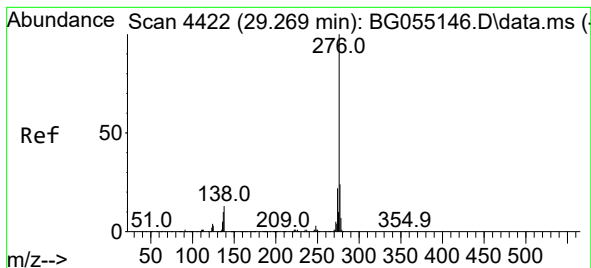
Ion Ratio Lower Upper

264 100

260 25.9 20.1 30.1

265 23.0 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.722 ng

RT: 29.302 min Scan# 4422

Delta R.T. 0.033 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

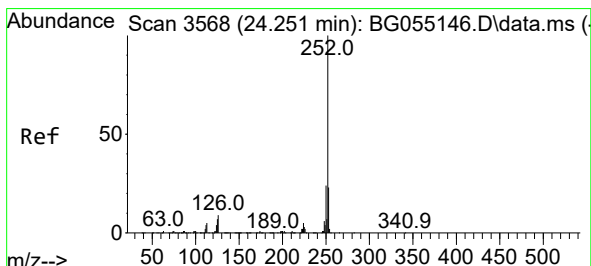
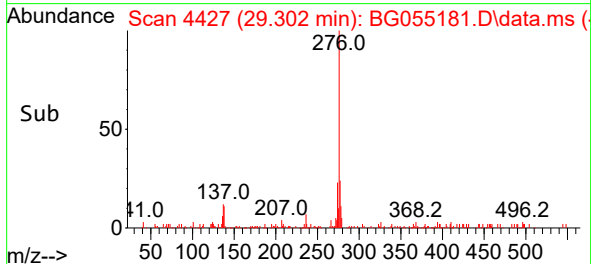
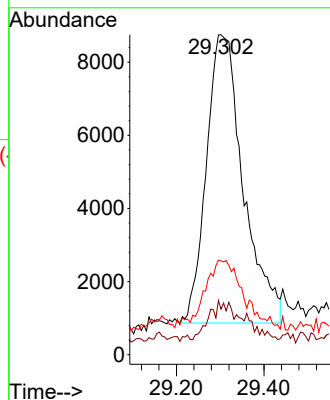
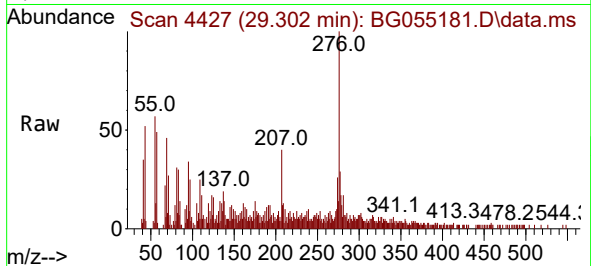
Instrument :

BNA_G

ClientSampleId :

SU-4-101222DL

Tgt Ion:	276	Resp:	46215
Ion Ratio	Lower	Upper	
276	100		
138	9.6	13.4	20.0#
277	22.1	20.5	30.7



#88

Benzo(b)fluoranthene

Concen: 10.554 ng

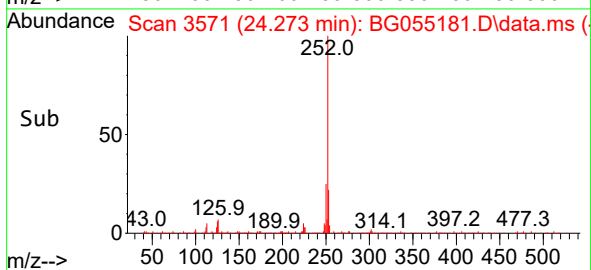
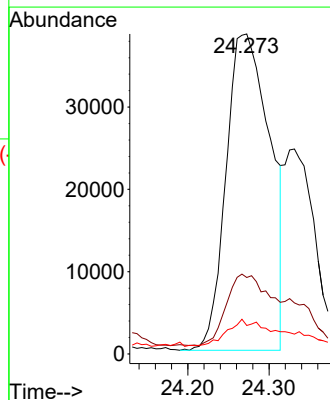
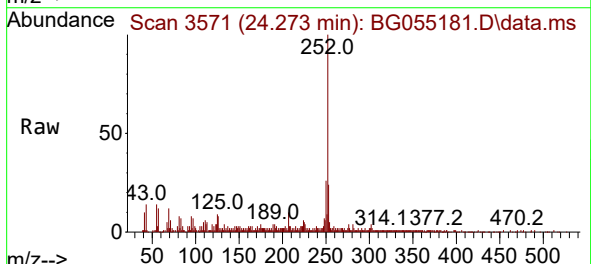
RT: 24.273 min Scan# 3571

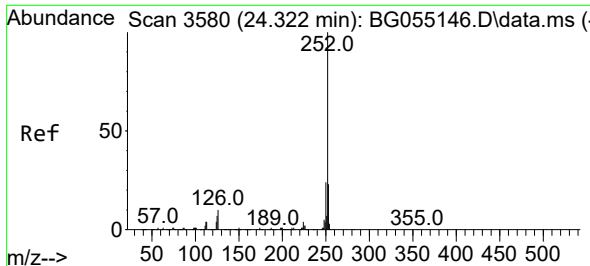
Delta R.T. 0.021 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

Tgt Ion:	252	Resp:	144179
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.2	27.2
125	8.9	5.7	8.5#

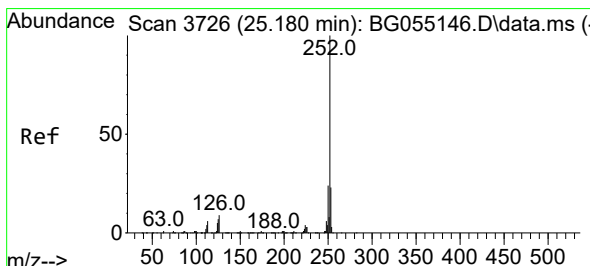
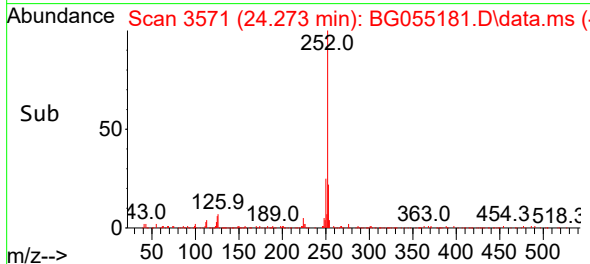
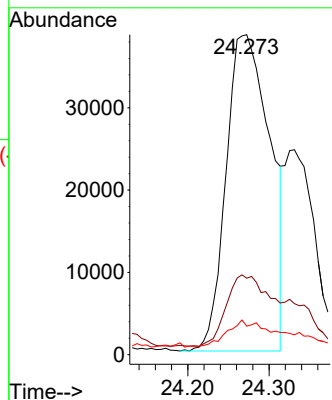
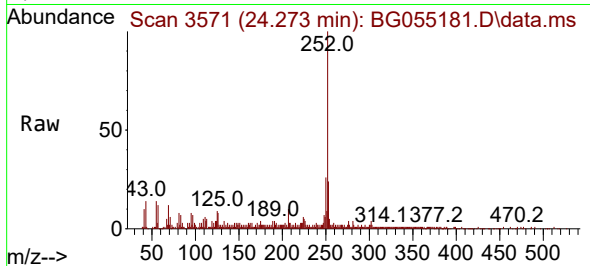




#89
Benzo(k)fluoranthene
Concen: 10.505 ng
RT: 24.273 min Scan# 31
Delta R.T. -0.049 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

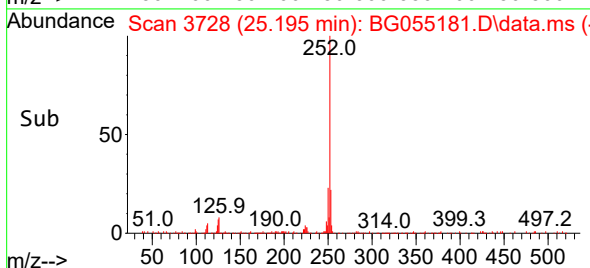
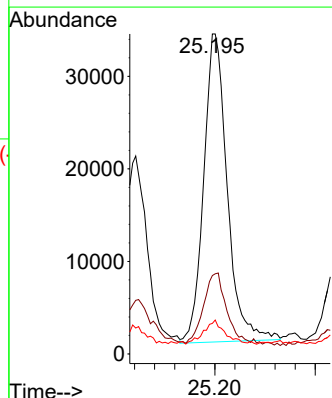
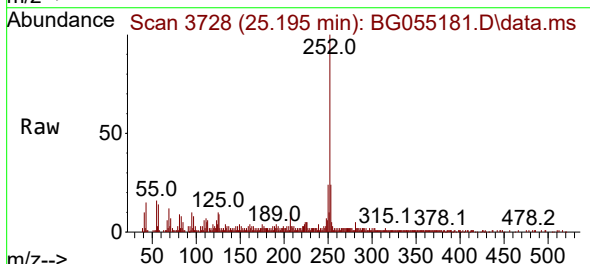
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL

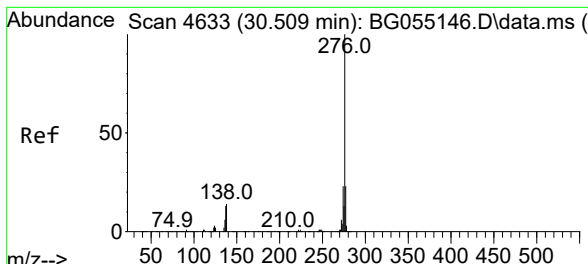
Tgt Ion:252 Resp: 144179
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 8.9 5.8 8.6#



#90
Benzo(a)pyrene
Concen: 9.287 ng
RT: 25.195 min Scan# 3728
Delta R.T. 0.015 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

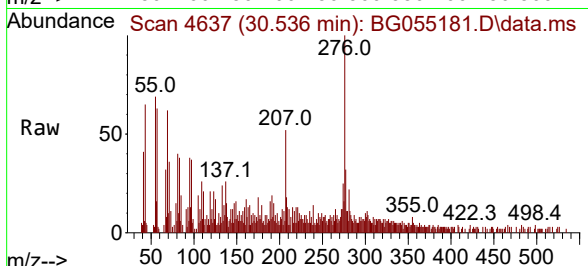
Tgt Ion:252 Resp: 108488
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 9.5 5.8 8.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.687 ng
 RT: 30.536 min Scan# 4
 Delta R.T. 0.027 min
 Lab File: BG055181.D
 Acq: 14 Oct 2022 16:57

Instrument :
 BNA_G
 ClientSampleId :
 SU-4-101222DL



Tgt Ion:	276	Resp:	36978
Ion	Ratio	Lower	Upper
276	100		
277	32.0	18.4	27.6#
138	15.0	11.2	16.8

