

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053043.D
 Acq On : 5 Apr 2022 22:26
 Operator : CG/JU
 Sample : N2241-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-040122

Quant Time: Apr 06 04:15:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 14:24:42 2022
 Response via : Initial Calibration

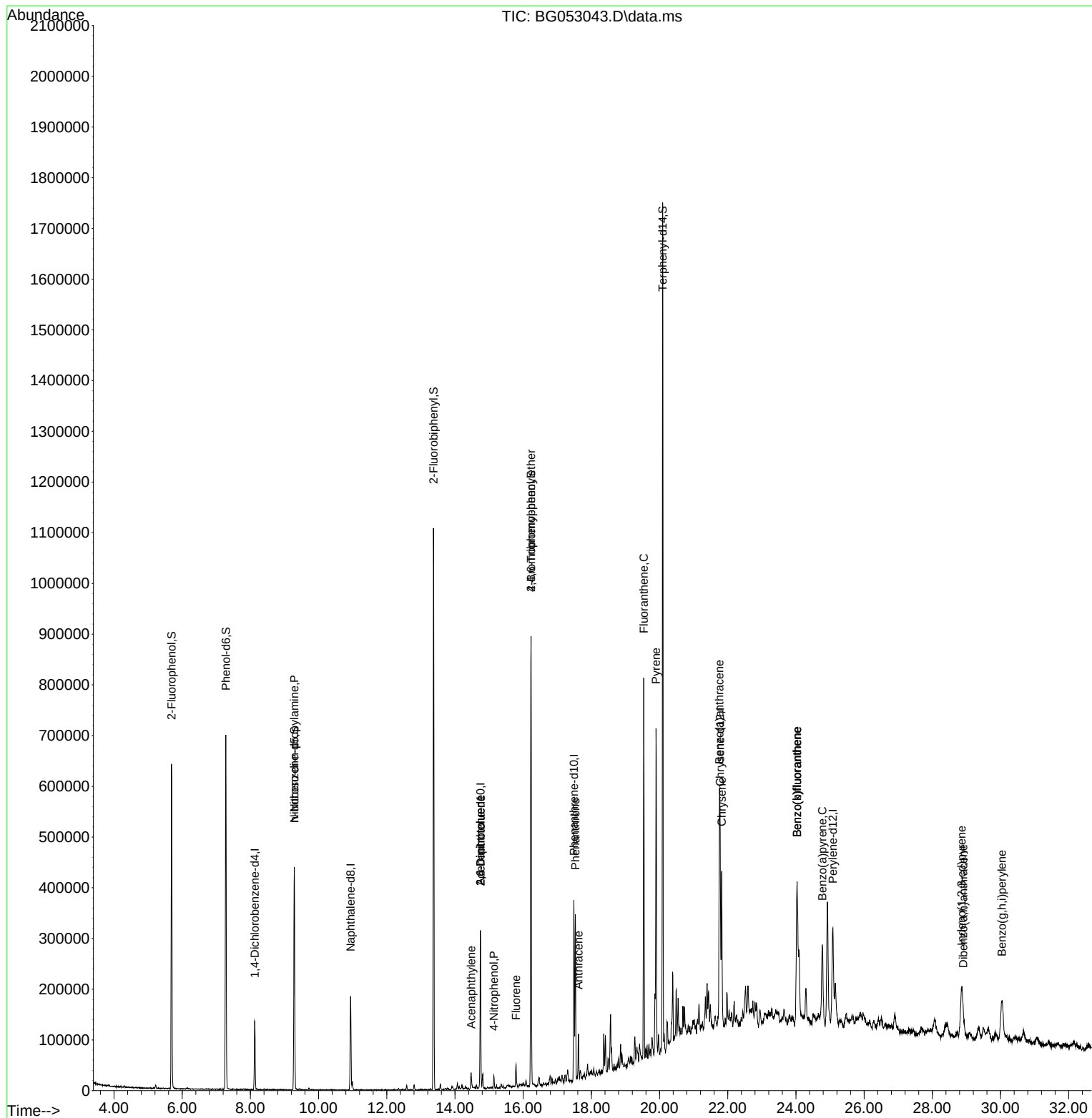
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.131	152	36816	20.000	ng	-0.01
21) Naphthalene-d8	10.939	136	152646	20.000	ng	-0.02
39) Acenaphthene-d10	14.746	164	110280	20.000	ng	-0.02
64) Phenanthrene-d10	17.489	188	225242	20.000	ng	-0.02
76) Chrysene-d12	21.777	240	201614	20.000	ng	#-0.02
86) Perylene-d12	25.085	264	214224	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	263178	124.491	ng	0.00
7) Phenol-d6	7.279	99	387128	121.467	ng	0.00
23) Nitrobenzene-d5	9.288	82	277107	91.113	ng	-0.02
42) 2,4,6-Tribromophenol	16.232	330	170081	114.775	ng	-0.02
45) 2-Fluorobiphenyl	13.371	172	582025	77.838	ng	-0.02
79) Terphenyl-d14	20.091	244	834785	73.653	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.273	77	971	Below Cal		Qvalue # 26
19) n-Nitroso-di-n-propyla...	9.288	70	37413	16.574	ng	# 77
49) Acenaphthylene	14.475	152	32021	3.307	ng	98
51) 2,6-Dinitrotoluene	14.746	165	14724	10.640	ng	# 25
56) 4-Nitrophenol	15.139	139	5869	4.443	ng	# 4
57) 2,4-Dinitrotoluene	14.746	165	14724	7.669	ng	# 23
58) Fluorene	15.791	166	21226	2.571	ng	98
67) 4-Bromophenyl-phenylether	16.232	248	11078	4.079	ng	# 1
71) Phenanthrene	17.530	178	207029	17.181	ng	97
72) Anthracene	17.624	178	59611	5.004	ng	95
75) Fluoranthene	19.539	202	487314	31.859	ng	99
78) Pyrene	19.897	202	446113	31.899	ng	98
81) Benzo(a)anthracene	21.754	228	258415	19.141	ng	95
83) Chrysene	21.824	228	239347	18.858	ng	98
87) Indeno(1,2,3-cd)pyrene	28.856	276	212505	14.493	ng	95
88) Benzo(b)fluoranthene	24.033	252	386129	29.029	ng	99
89) Benzo(k)fluoranthene	24.033	252	386129	29.505	ng	99
90) Benzo(a)pyrene	24.773	252	191773	17.033	ng	99
91) Dibenzo(a,h)anthracene	28.909	278	50390	4.171	ng	# 83
92) Benzo(g,h,i)perylene	30.043	276	222934	18.648	ng	97

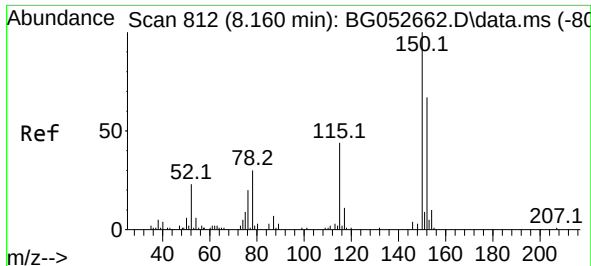
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
Data File : BG053043.D
Acq On : 5 Apr 2022 22:26
Operator : CG/JU
Sample : N2241-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-040122

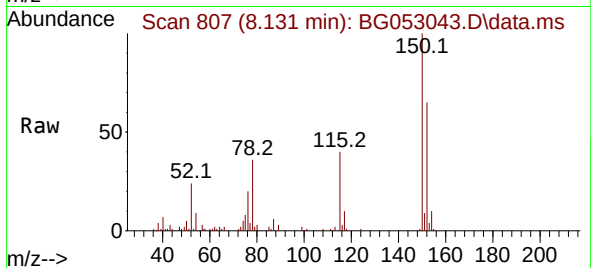
Quant Time: Apr 06 04:15:50 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 14:24:42 2022
Response via : Initial Calibration



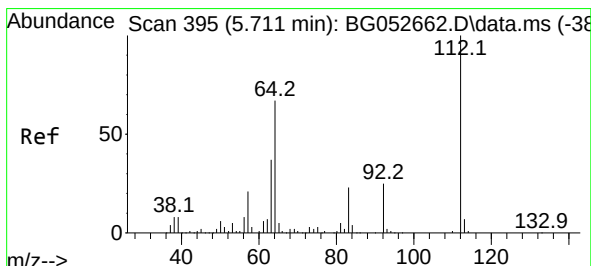
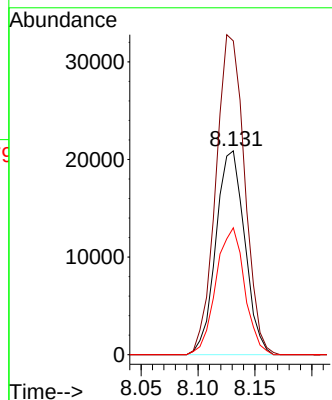
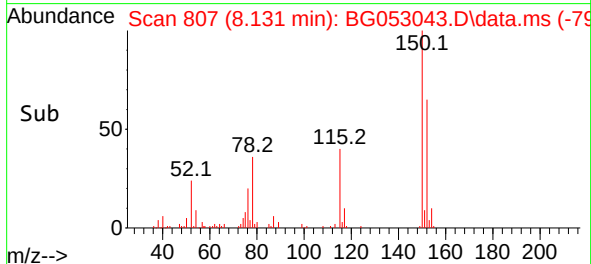


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.131 min Scan# 80
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Instrument :
BNA_G
ClientSampleId :
CL-02-040122

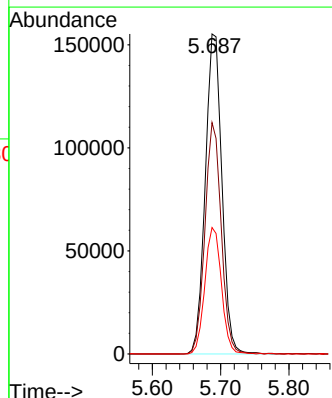
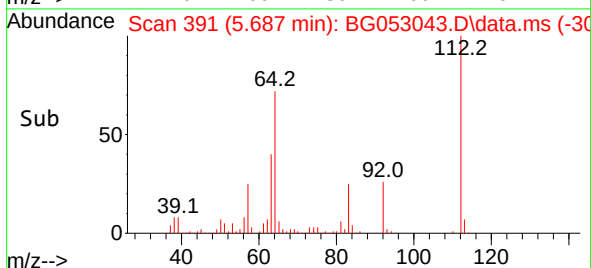
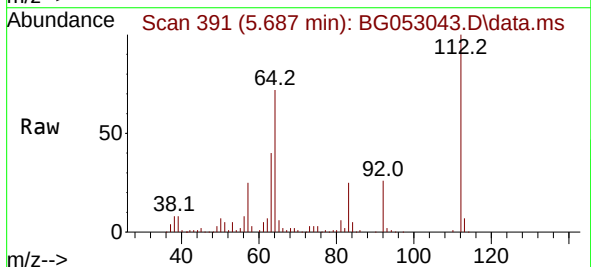


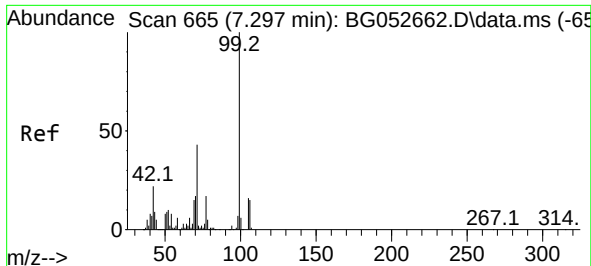
Tgt Ion:152 Resp: 36816
Ion Ratio Lower Upper
152 100
150 153.9 114.6 172.0
115 62.3 45.9 68.9



#5
2-Fluorophenol
Concen: 124.491 ng
RT: 5.687 min Scan# 391
Delta R.T. -0.009 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion:112 Resp: 263178
Ion Ratio Lower Upper
112 100
64 72.3 48.0 72.0#
63 39.5 26.5 39.7

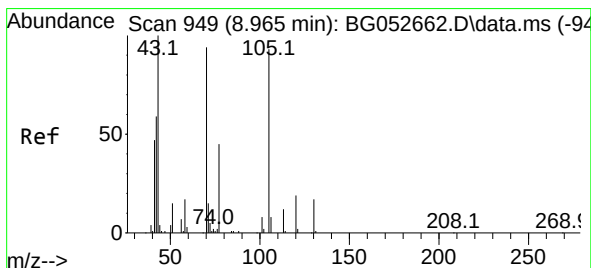
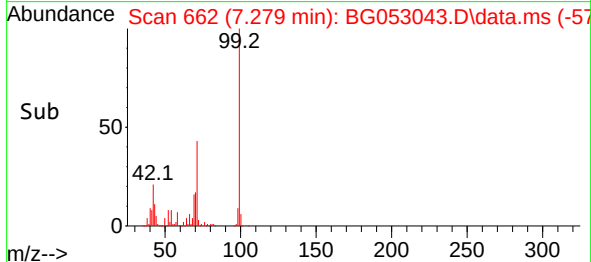
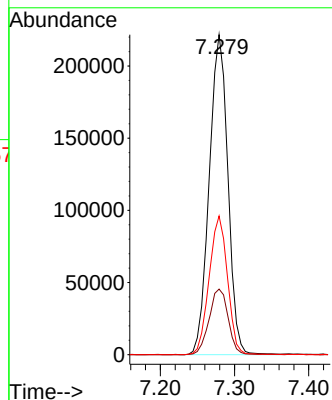
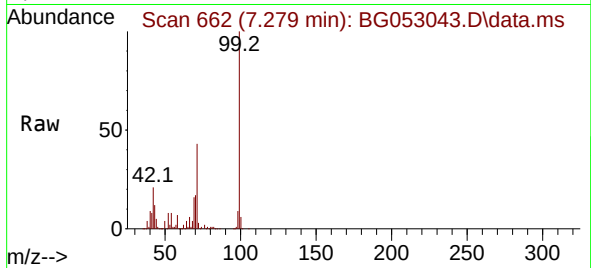




#7
Phenol-d6
Concen: 121.467 ng
RT: 7.279 min Scan# 60
Delta R.T. -0.009 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

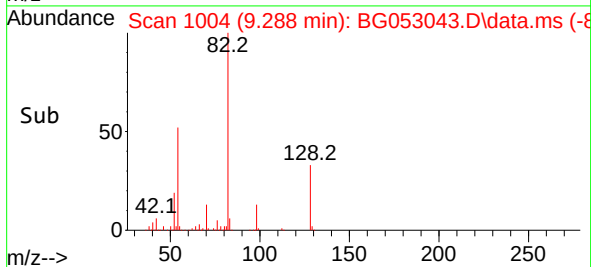
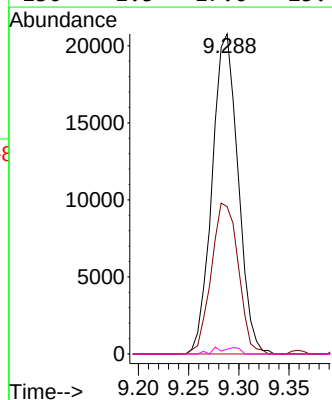
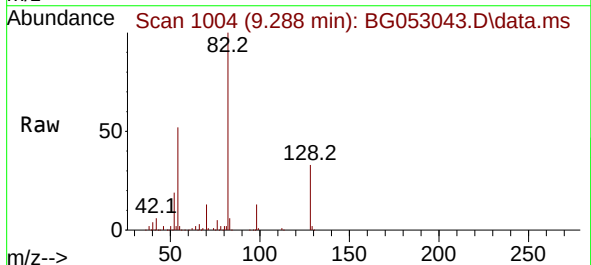
Instrument :
BNA_G
ClientSampleId :
CL-02-040122

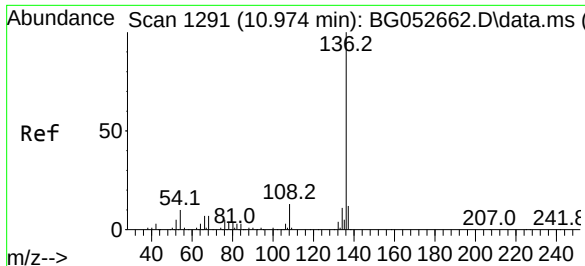
Tgt Ion: 99 Resp: 387128
Ion Ratio Lower Upper
99 100
42 20.5 14.7 22.1
71 43.4 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.574 ng
RT: 9.288 min Scan# 1004
Delta R.T. 0.343 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion: 70 Resp: 37413
Ion Ratio Lower Upper
70 100
42 46.0 46.0 69.0
101 0.0 6.2 9.4#
130 1.5 17.0 25.4#

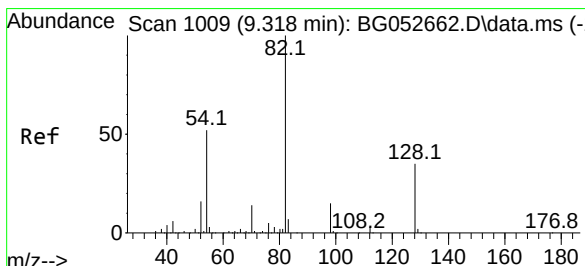
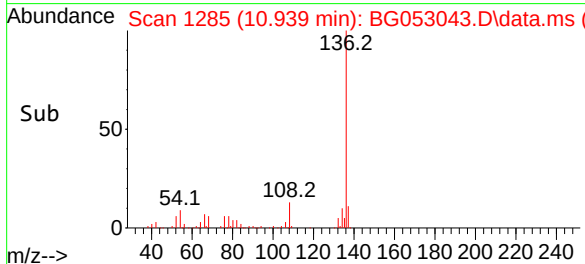
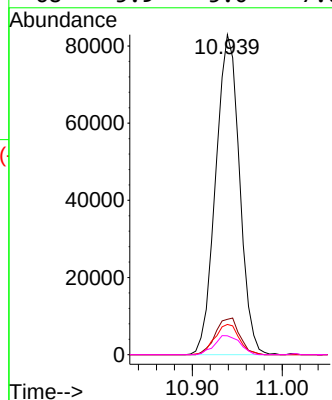
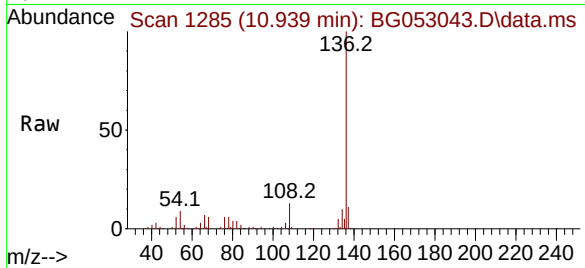




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.939 min Scan# 1004
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

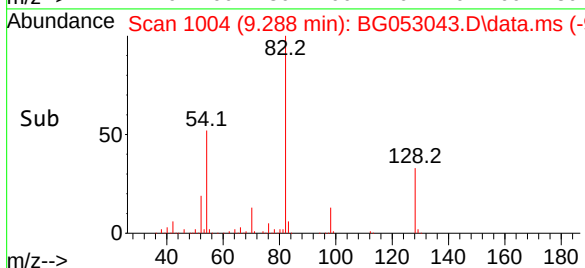
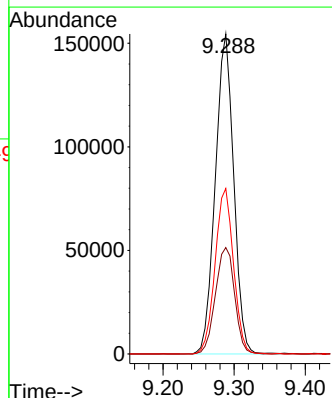
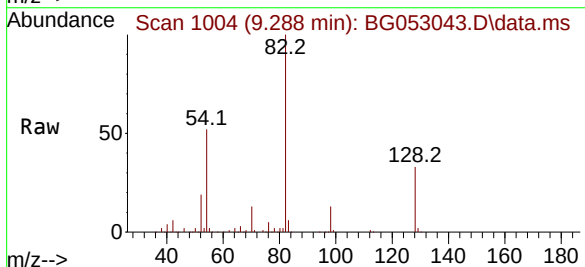
Instrument :
BNA_G
ClientSampleId :
CL-02-040122

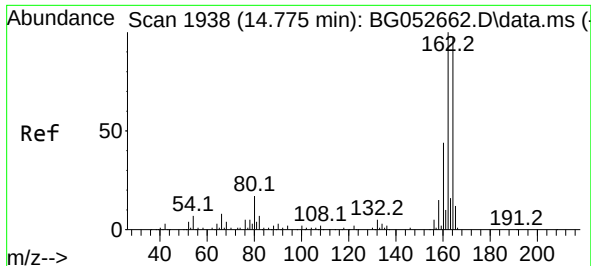
Tgt Ion:136 Resp: 152646
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.2
54 9.4 6.4 9.6
68 5.9 5.0 7.6



#23
Nitrobenzene-d5
Concen: 91.113 ng
RT: 9.288 min Scan# 1004
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

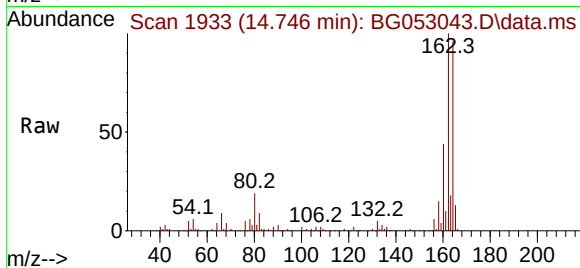
Tgt Ion: 82 Resp: 277107
Ion Ratio Lower Upper
82 100
128 33.3 31.3 46.9
54 51.7 37.8 56.8



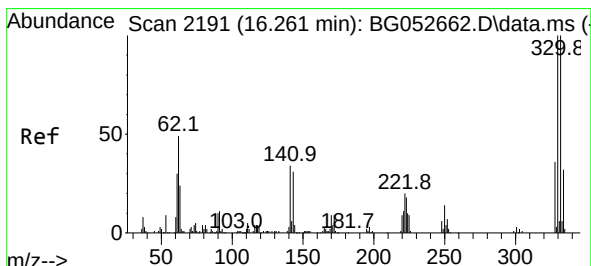
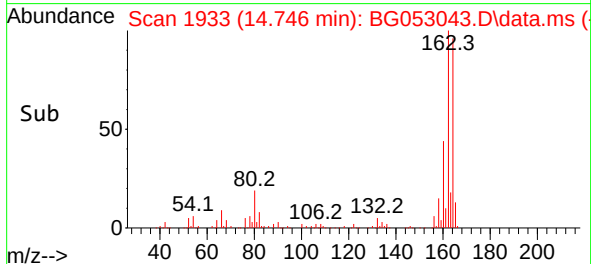
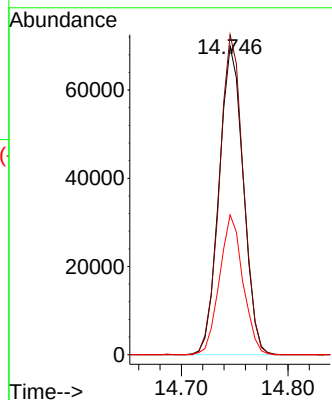


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.746 min Scan# 1933
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Instrument :
BNA_G
ClientSampleId :
CL-02-040122

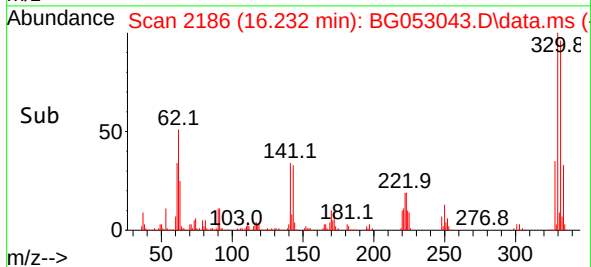
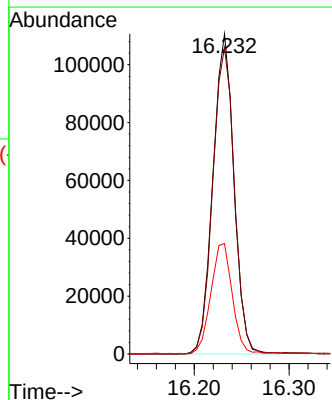
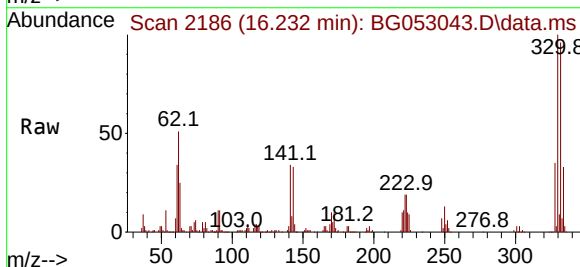


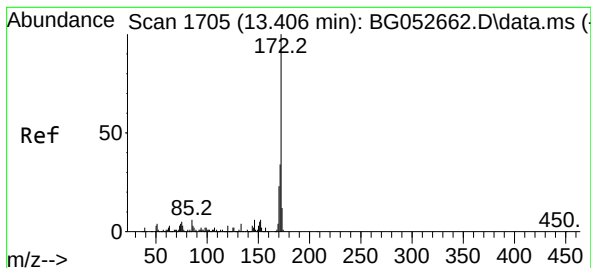
Tgt Ion:164	Resp: 110280		
Ion	Ratio	Lower	Upper
164	100		
162	103.8	80.0	120.0
160	45.4	38.8	58.2



#42
2,4,6-Tribromophenol
Concen: 114.775 ng
RT: 16.232 min Scan# 2186
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion:330	Resp: 170081		
Ion	Ratio	Lower	Upper
330	100		
332	98.6	75.8	113.6
141	35.2	24.6	36.8





#45

2-Fluorobiphenyl

Concen: 77.838 ng

RT: 13.371 min Scan# 1

Delta R.T. -0.021 min

Lab File: BG053043.D

Acq: 5 Apr 2022 22:26

Instrument :

BNA_G

ClientSampleId :

CL-02-040122

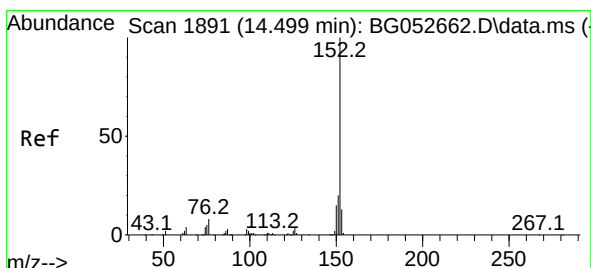
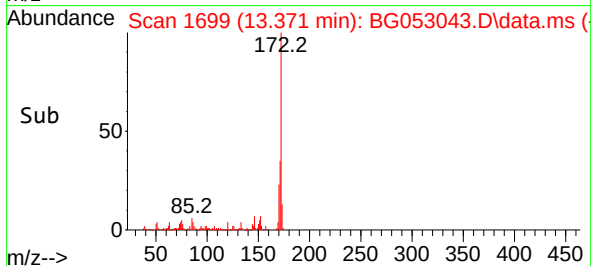
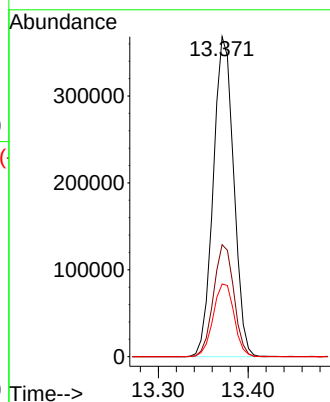
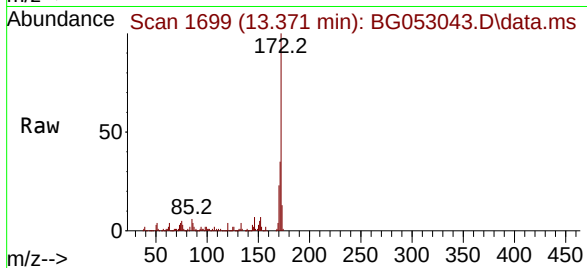
Tgt Ion:172 Resp: 582025

Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 22.7 18.0 27.0



#49

Acenaphthylene

Concen: 3.307 ng

RT: 14.475 min Scan# 1887

Delta R.T. -0.015 min

Lab File: BG053043.D

Acq: 5 Apr 2022 22:26

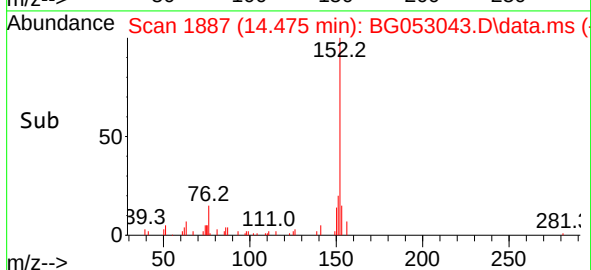
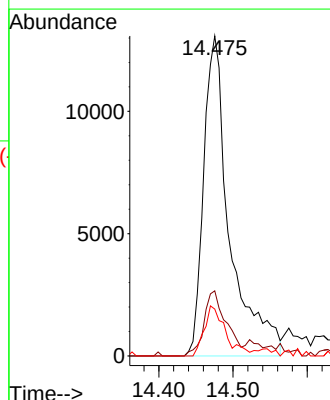
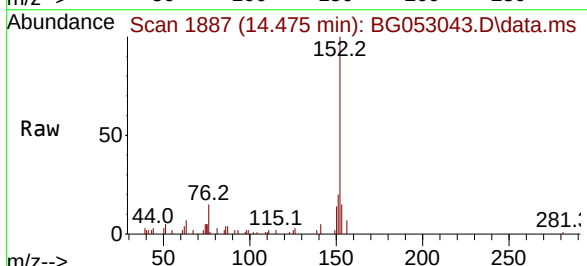
Tgt Ion:152 Resp: 32021

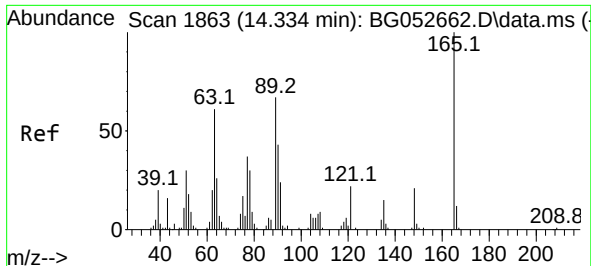
Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.6

153 14.7 10.6 15.8

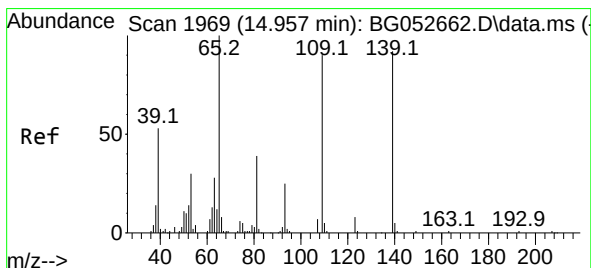
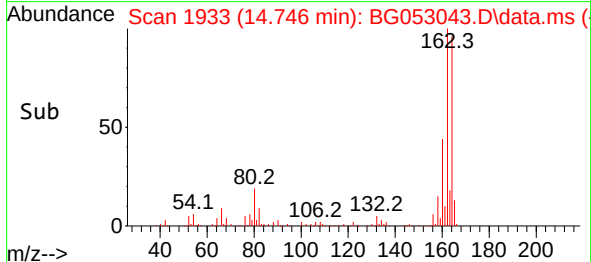
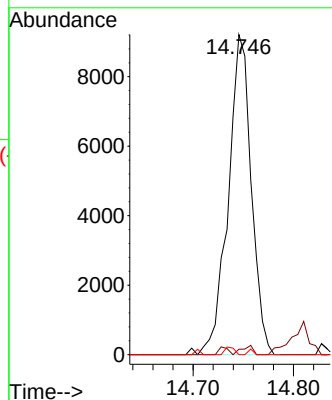
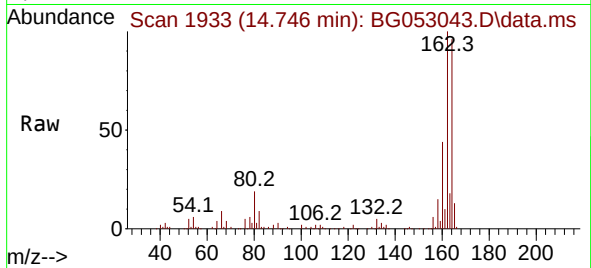




#51
2,6-Dinitrotoluene
Concen: 10.640 ng
RT: 14.746 min Scan# 1933
Delta R.T. 0.420 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

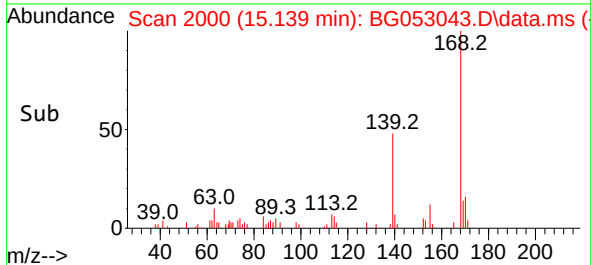
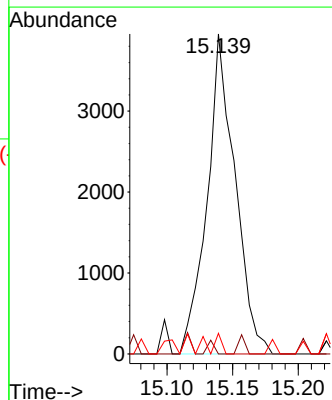
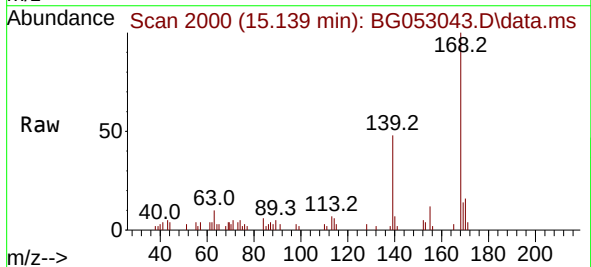
Instrument :
BNA_G
ClientSampleId :
CL-02-040122

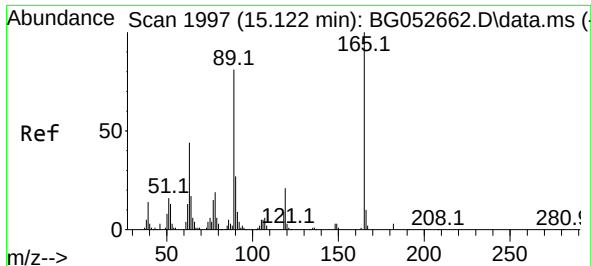
Tgt Ion:165 Resp: 14724
Ion Ratio Lower Upper
165 100
63 1.7 43.7 65.5#
89 0.0 45.0 67.4#



#56
4-Nitrophenol
Concen: 4.443 ng
RT: 15.139 min Scan# 2000
Delta R.T. 0.191 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

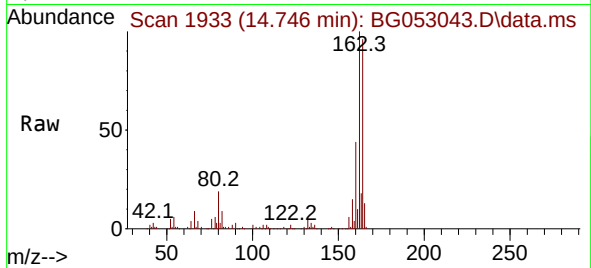
Tgt Ion:139 Resp: 5869
Ion Ratio Lower Upper
139 100
109 0.0 67.1 107.1#
65 6.5 88.2 128.2#



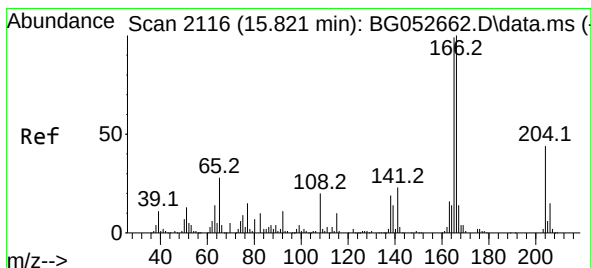
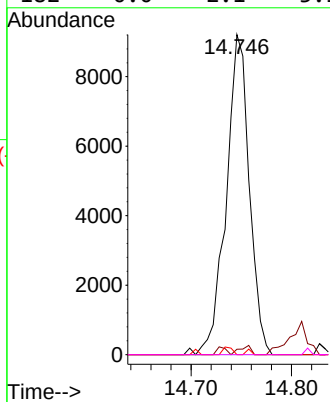
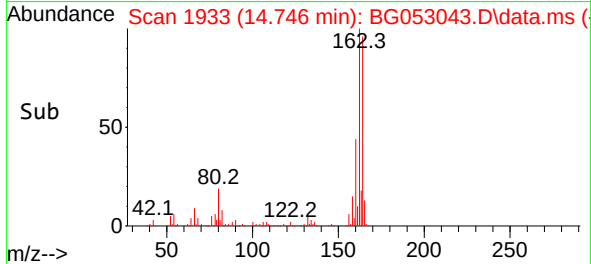


#57
2,4-Dinitrotoluene
Concen: 7.669 ng
RT: 14.746 min Scan# 1997
Delta R.T. -0.368 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Instrument :
BNA_G
ClientSampleId :
CL-02-040122

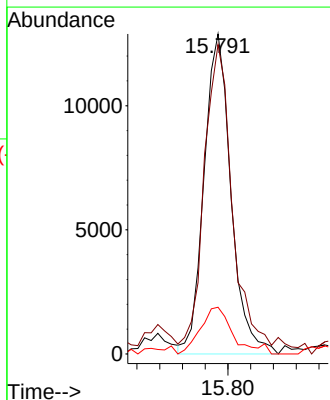
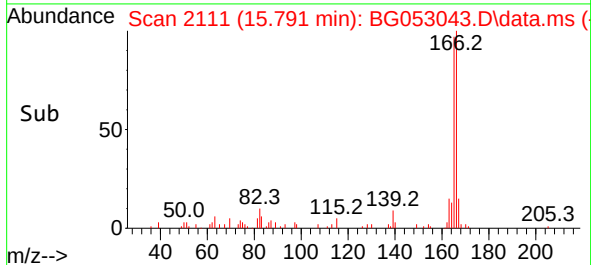
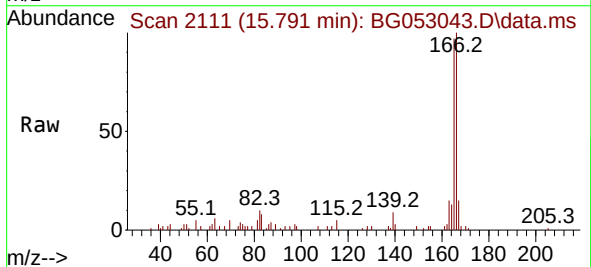


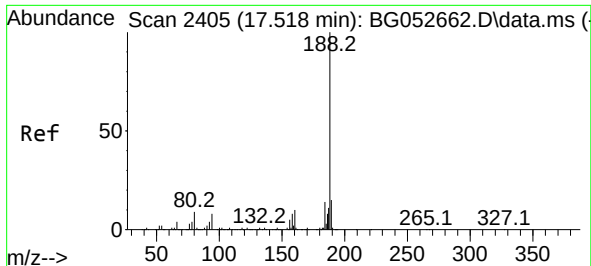
Tgt Ion:165 Resp: 14724
Ion Ratio Lower Upper
165 100
63 1.7 34.8 52.2#
89 0.0 57.4 86.0#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 2.571 ng
RT: 15.791 min Scan# 2111
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion:166 Resp: 21226
Ion Ratio Lower Upper
166 100
165 96.7 78.6 117.8
167 14.6 10.9 16.3

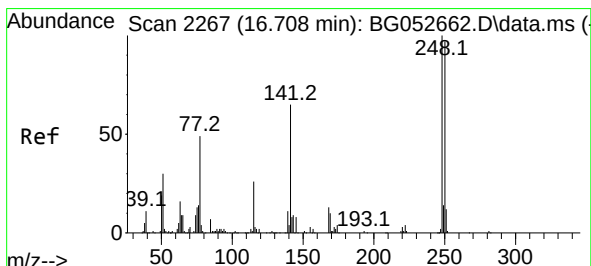
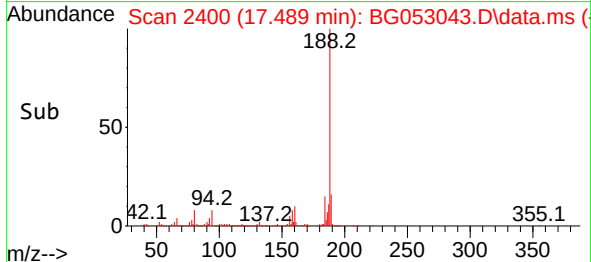
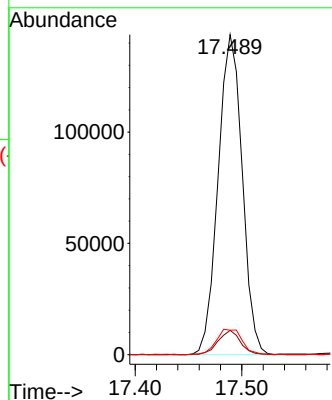
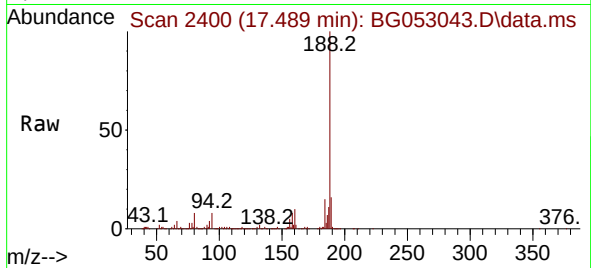




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.489 min Scan# 24
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

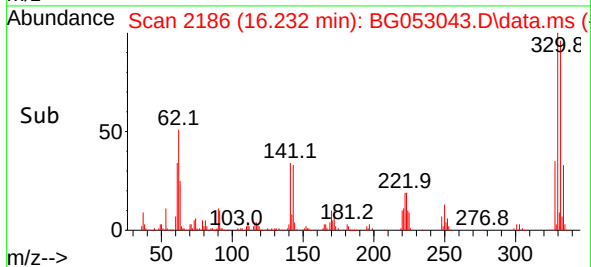
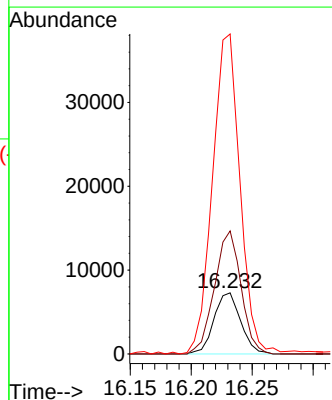
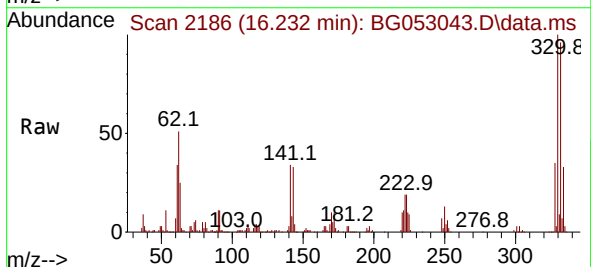
Instrument :
BNA_G
ClientSampleId :
CL-02-040122

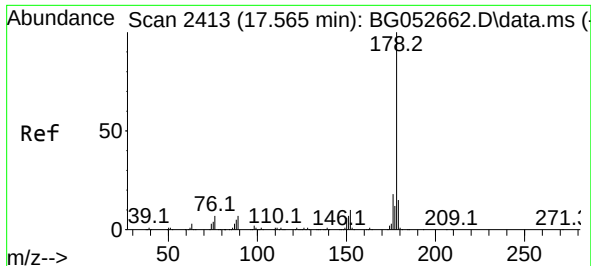
Tgt Ion:188 Resp: 225242
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 7.6 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 4.079 ng
RT: 16.232 min Scan# 2186
Delta R.T. -0.462 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion:248 Resp: 11078
Ion Ratio Lower Upper
248 100
250 201.1 77.9 116.9#
141 523.0 49.2 73.8#

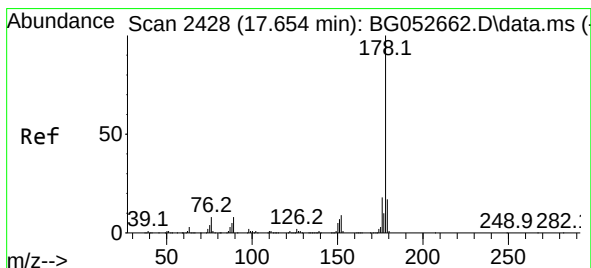
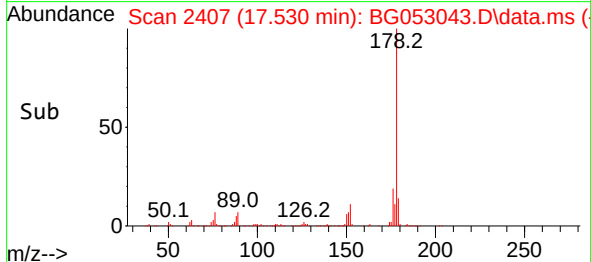
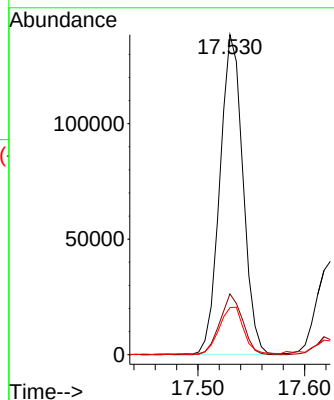
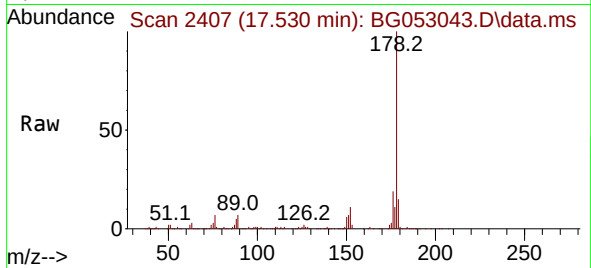




#71
Phenanthrene
Concen: 17.181 ng
RT: 17.530 min Scan# 2413
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

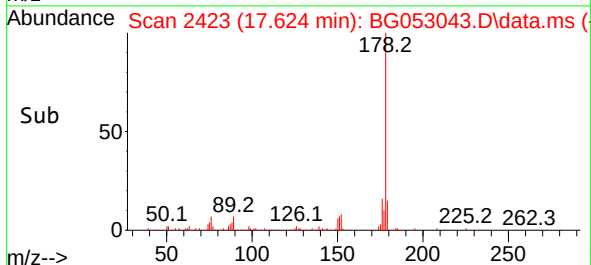
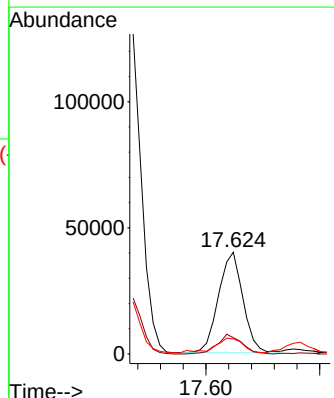
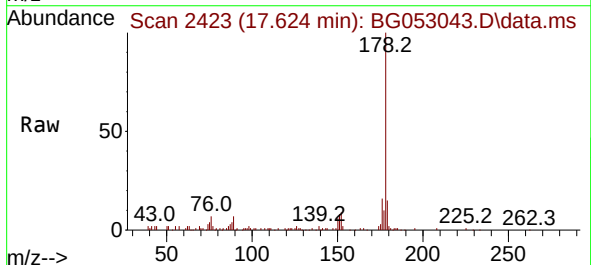
Instrument :
BNA_G
ClientSampleId :
CL-02-040122

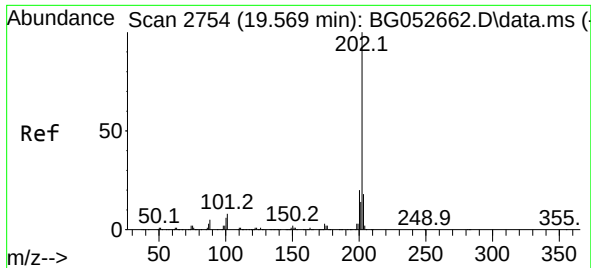
Tgt Ion:178 Resp: 207029
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 14.7 13.4 20.2



#72
Anthracene
Concen: 5.004 ng
RT: 17.624 min Scan# 2423
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion:178 Resp: 59611
Ion Ratio Lower Upper
178 100
176 16.1 14.7 22.1
179 14.8 13.2 19.8

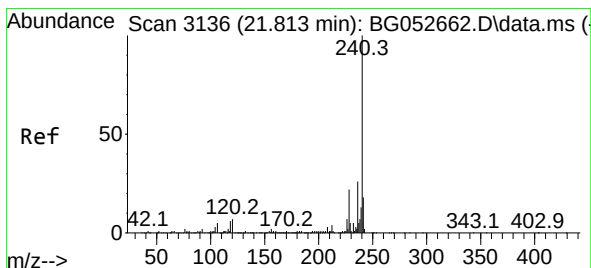
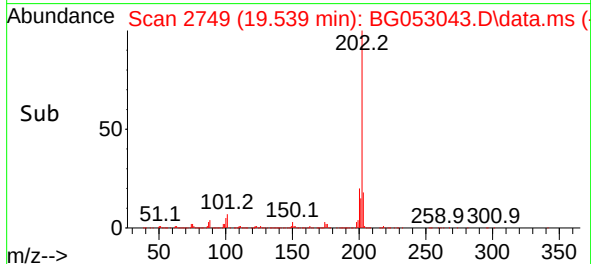
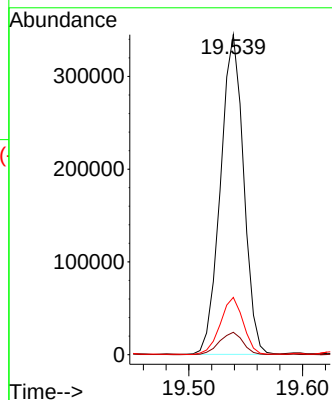
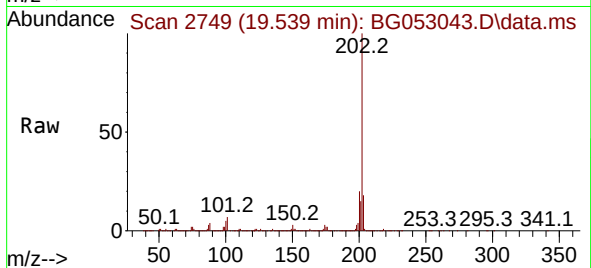




#75
Fluoranthene
Concen: 31.859 ng
RT: 19.539 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

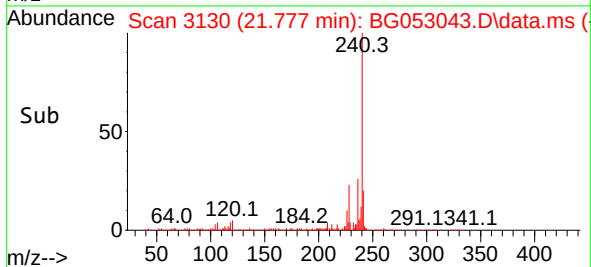
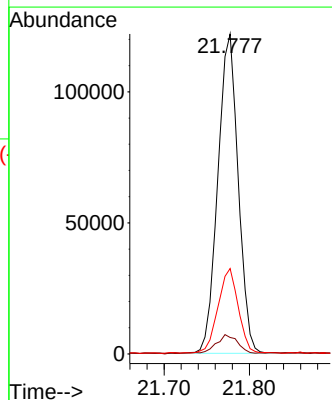
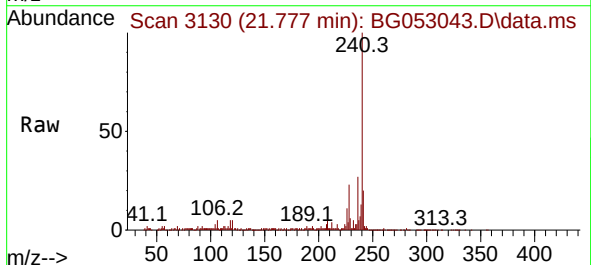
Instrument :
BNA_G
ClientSampleId :
CL-02-040122

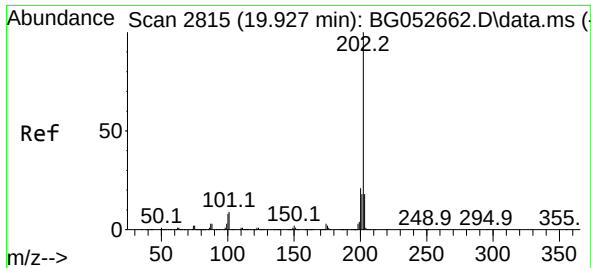
Tgt Ion:202 Resp: 487314
Ion Ratio Lower Upper
202 100
101 7.0 0.0 27.3
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.777 min Scan# 3130
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion:240 Resp: 201614
Ion Ratio Lower Upper
240 100
120 5.2 5.4 8.0#
236 26.7 19.8 29.6

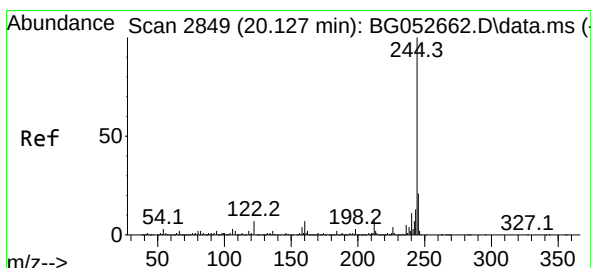
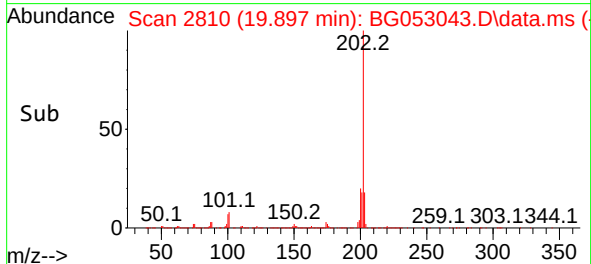
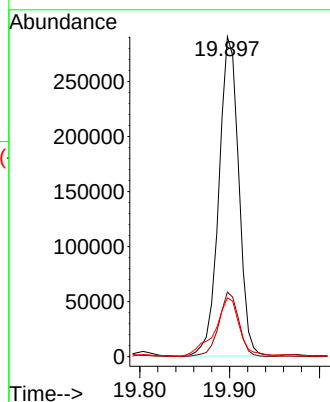
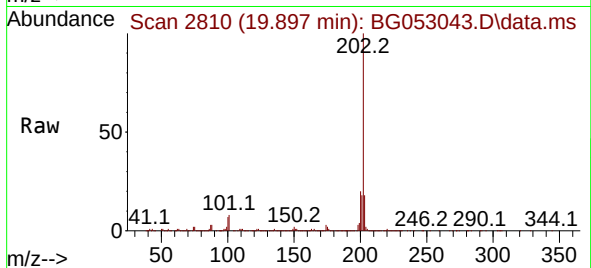




#78
 Pyrene
 Concen: 31.899 ng
 RT: 19.897 min Scan# 2810
 Delta R.T. -0.021 min
 Lab File: BG053043.D
 Acq: 5 Apr 2022 22:26

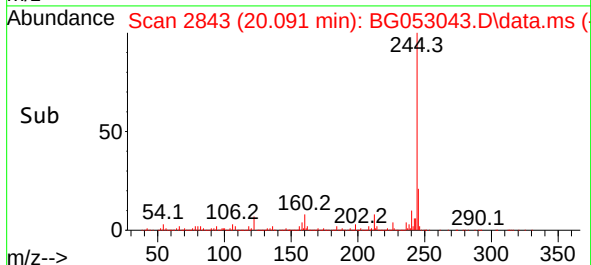
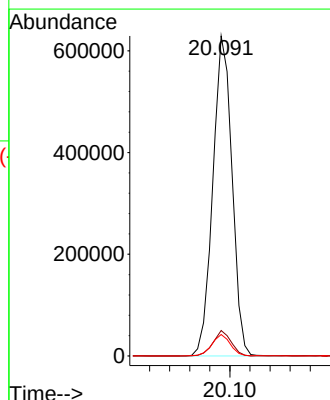
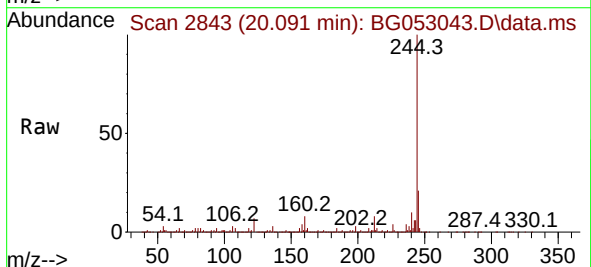
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-040122

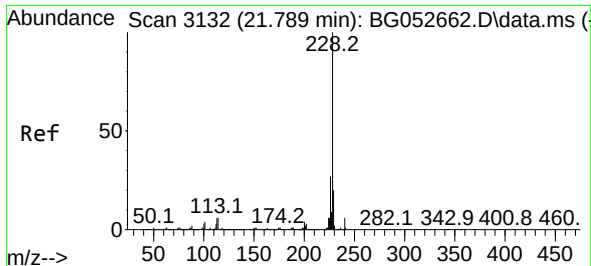
Tgt Ion:202 Resp: 446113
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.0 25.6
 203 18.4 15.0 22.6



#79
 Terphenyl-d14
 Concen: 73.653 ng
 RT: 20.091 min Scan# 2843
 Delta R.T. -0.021 min
 Lab File: BG053043.D
 Acq: 5 Apr 2022 22:26

Tgt Ion:244 Resp: 834785
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.4 8.2
 122 6.7 5.8 8.6

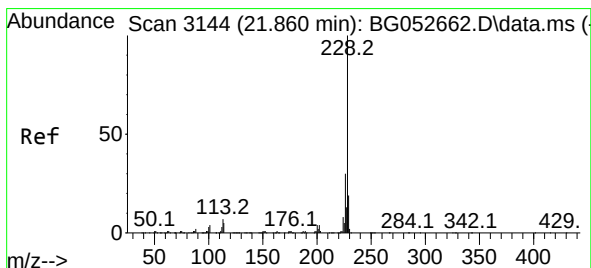
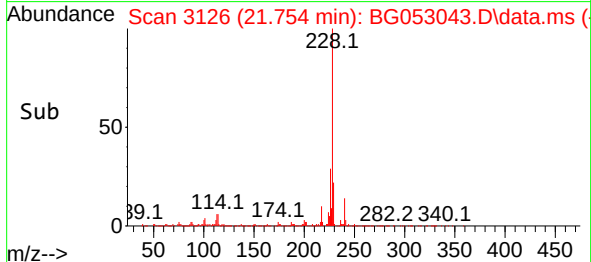
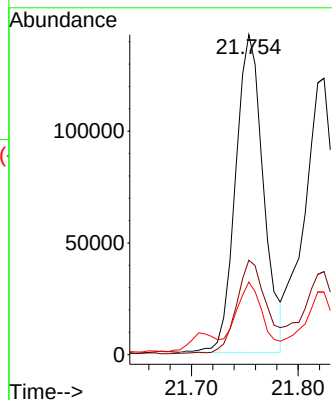
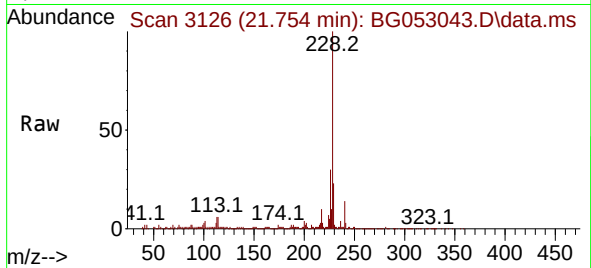




#81
Benzo(a)anthracene
Concen: 19.141 ng
RT: 21.754 min Scan# 3132
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

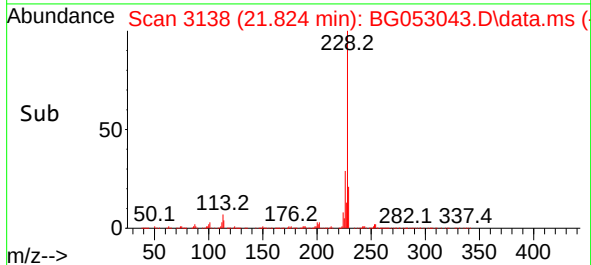
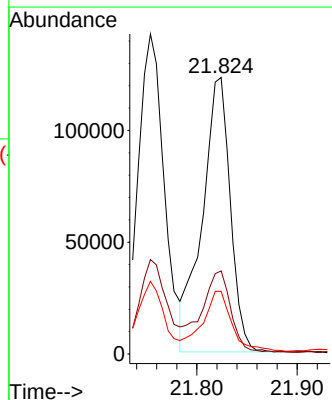
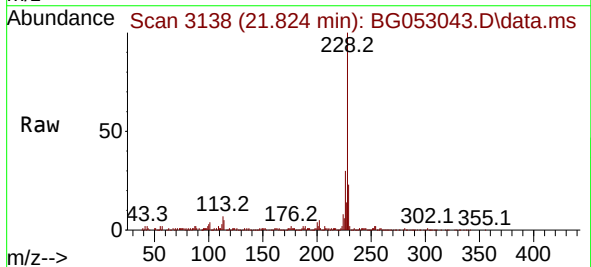
Instrument :
BNA_G
ClientSampleId :
CL-02-040122

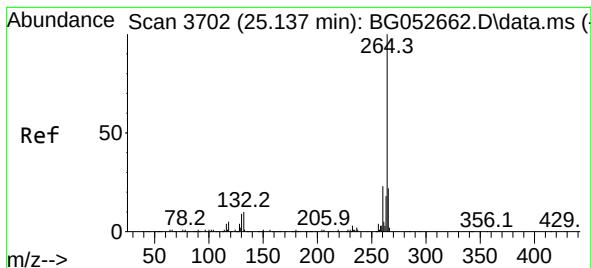
Tgt Ion:228 Resp: 258415
Ion Ratio Lower Upper
228 100
226 29.5 21.4 32.0
229 22.7 16.7 25.1



#83
Chrysene
Concen: 18.858 ng
RT: 21.824 min Scan# 3138
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion:228 Resp: 239347
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 22.7 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.085 min Scan# 3

Delta R.T. -0.027 min

Lab File: BG053043.D

Acq: 5 Apr 2022 22:26

Instrument :

BNA_G

ClientSampleId :

CL-02-040122

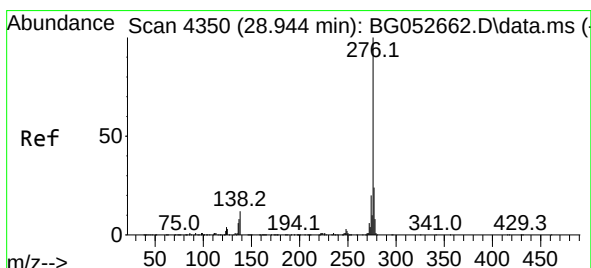
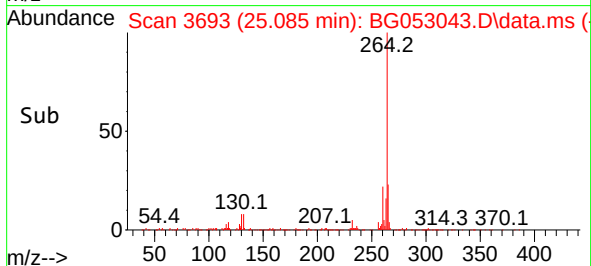
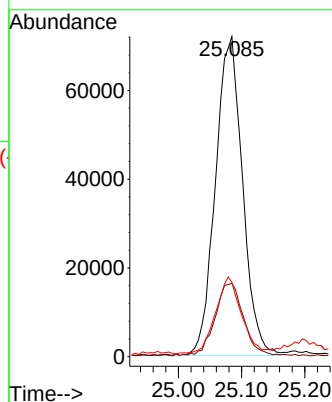
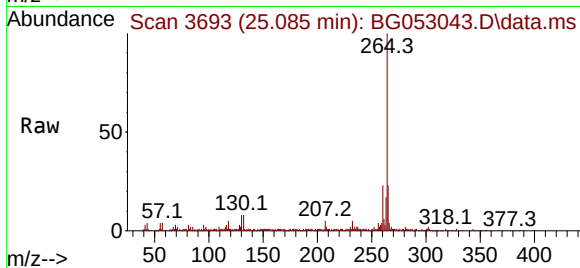
Tgt Ion:264 Resp: 214224

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.2

265 23.3 15.1 22.7#



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.493 ng

RT: 28.856 min Scan# 4335

Delta R.T. -0.044 min

Lab File: BG053043.D

Acq: 5 Apr 2022 22:26

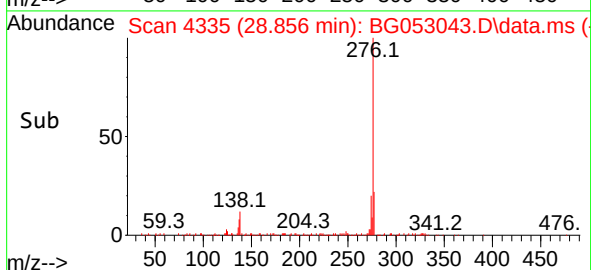
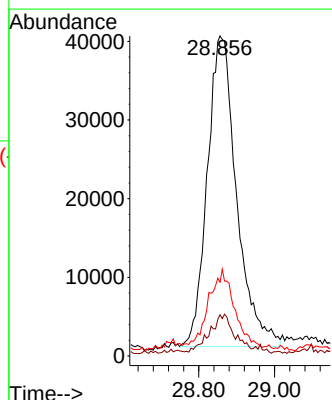
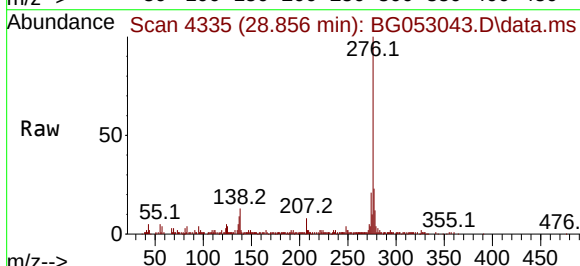
Tgt Ion:276 Resp: 212505

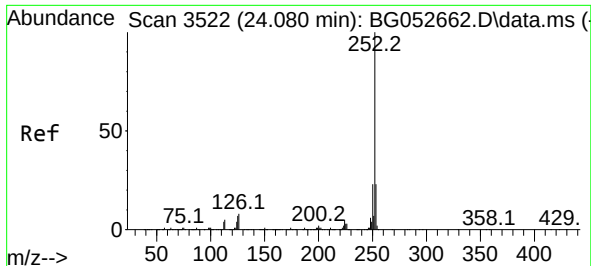
Ion Ratio Lower Upper

276 100

138 10.1 8.7 13.1

277 22.0 20.2 30.4

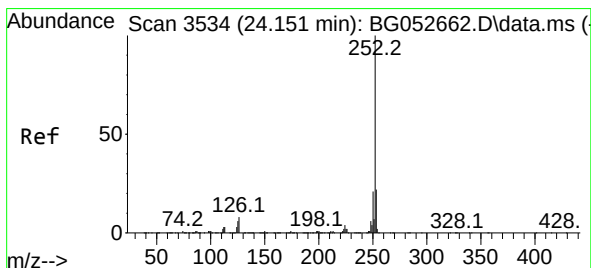
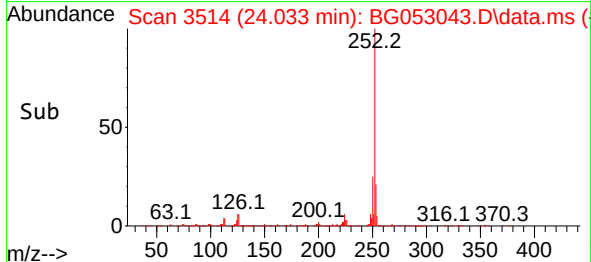
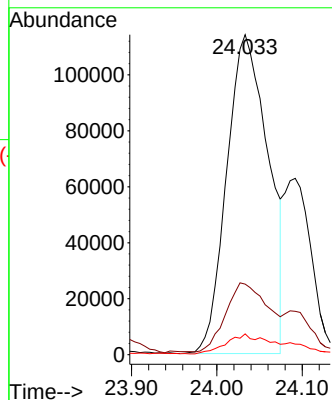
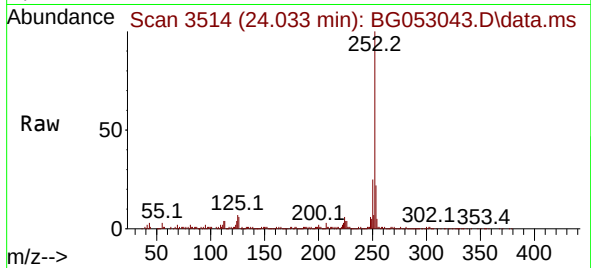




#88
Benzo(b)fluoranthene
Concen: 29.029 ng
RT: 24.033 min Scan# 3514
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

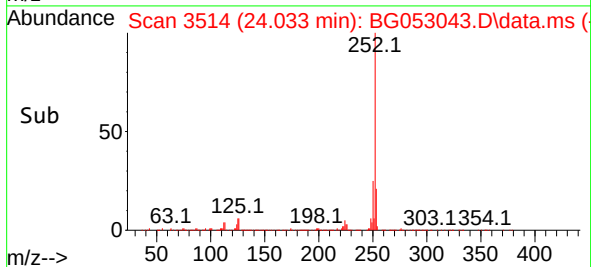
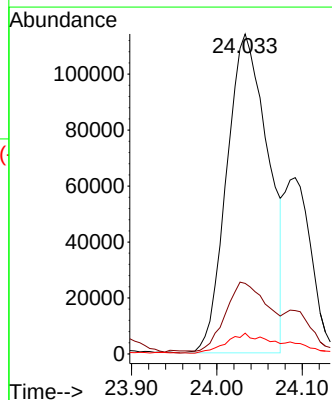
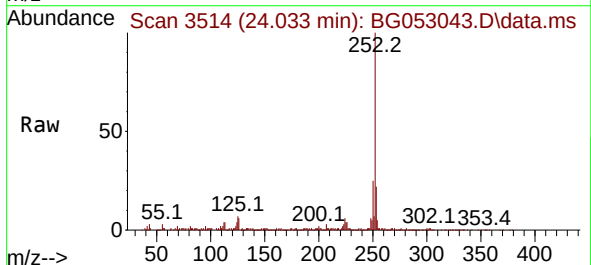
Instrument :
BNA_G
ClientSampleId :
CL-02-040122

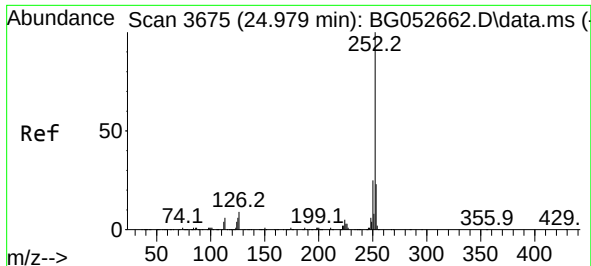
Tgt Ion:252 Resp: 386129
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 6.5 5.2 7.8



#89
Benzo(k)fluoranthene
Concen: 29.505 ng
RT: 24.033 min Scan# 3514
Delta R.T. -0.097 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion:252 Resp: 386129
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 6.5 5.0 7.4

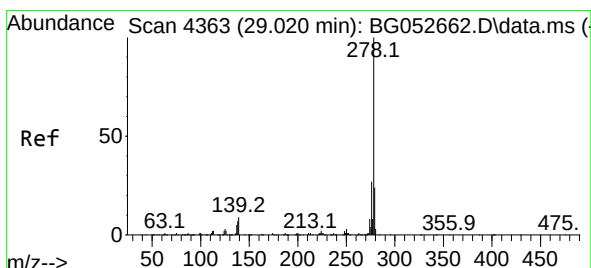
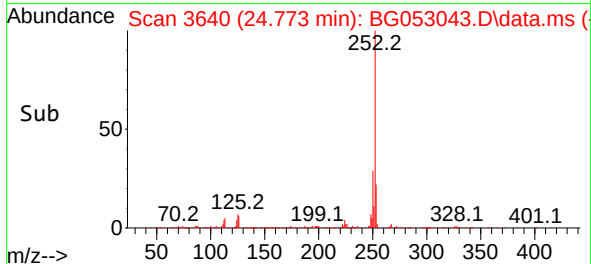
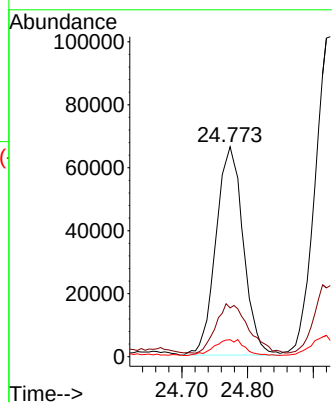
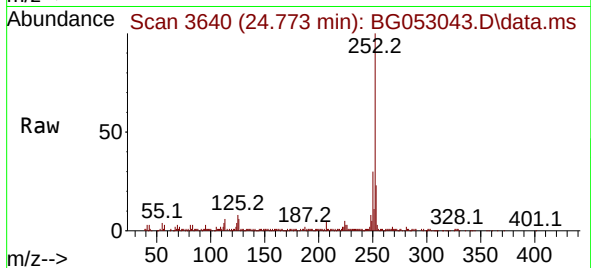




#90
Benzo(a)pyrene
Concen: 17.033 ng
RT: 24.773 min Scan# 3
Delta R.T. -0.180 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

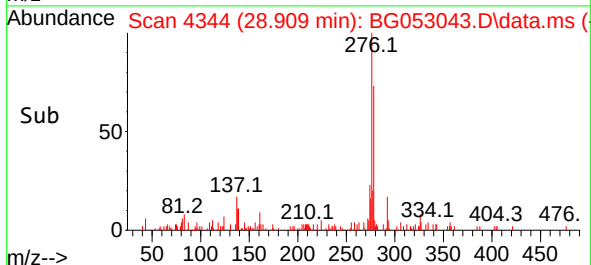
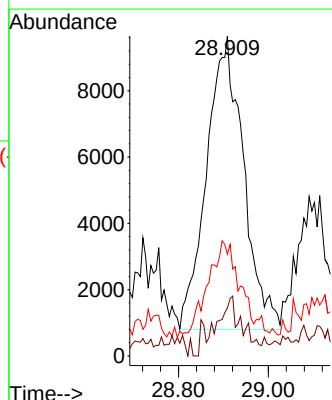
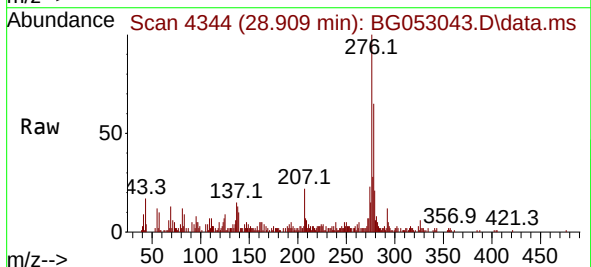
Instrument :
BNA_G
ClientSampleId :
CL-02-040122

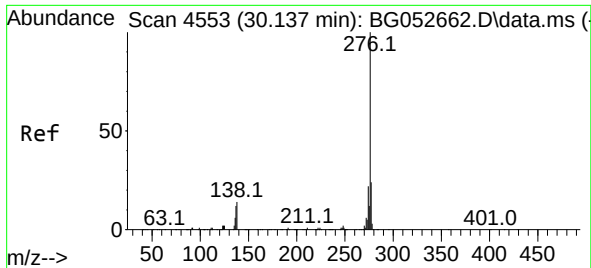
Tgt Ion:252 Resp: 191773
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 8.0 5.6 8.4



#91
Dibenzo(a,h)anthracene
Concen: 4.171 ng
RT: 28.909 min Scan# 4344
Delta R.T. -0.062 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

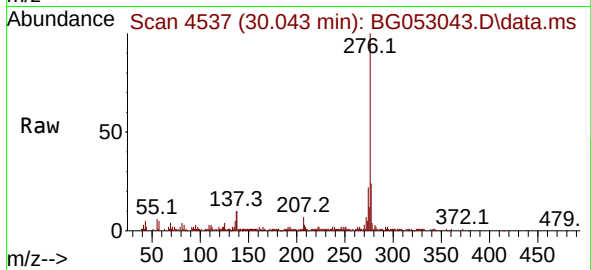
Tgt Ion:278 Resp: 50390
Ion Ratio Lower Upper
278 100
139 15.0 7.8 11.6#
279 31.8 18.5 27.7#





#92
 Benzo(g,h,i)perylene
 Concen: 18.648 ng
 RT: 30.043 min Scan# 4
 Delta R.T. -0.050 min
 Lab File: BG053043.D
 Acq: 5 Apr 2022 22:26

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-040122



Tgt Ion:276 Resp: 222934

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.2	27.2
138	9.7	9.1	13.7

