

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
 Data File : BG056691.D
 Acq On : 21 Feb 2023 19:36
 Operator : CG/JU
 Sample : 01608-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-02172023

Quant Time: Feb 22 00:09:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 21 18:07:35 2023
 Response via : Initial Calibration

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

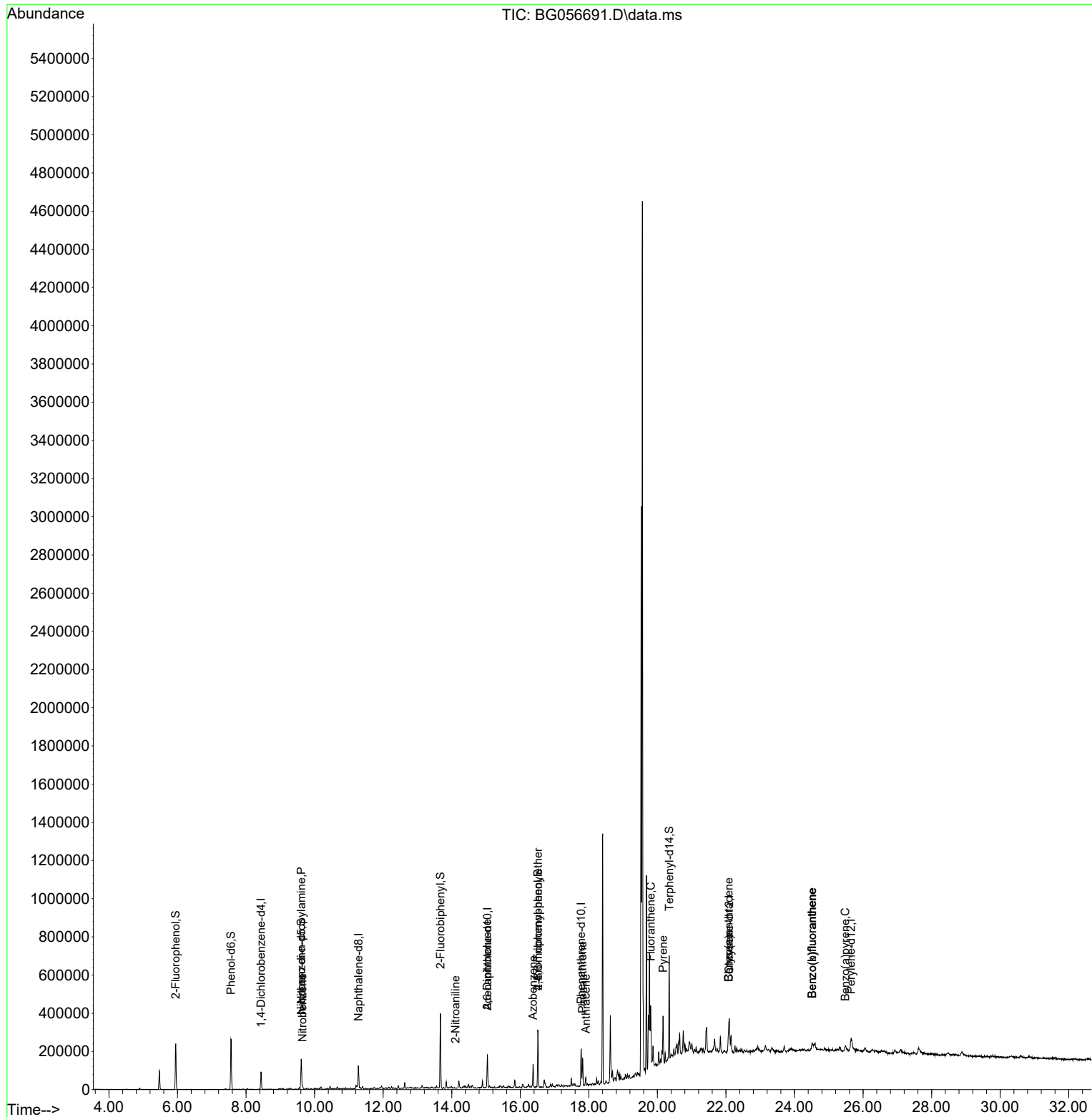
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.435	152	24192	20.000	ng	0.00
21) Naphthalene-d8	11.279	136	94246	20.000	ng	0.00
39) Acenaphthene-d10	15.045	164	60472	20.000	ng	0.00
64) Phenanthrene-d10	17.777	188	124345	20.000	ng	0.00
76) Chrysene-d12	22.095	240	106160	20.000	ng	0.00
86) Perylene-d12	25.650	264	80968	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.950	112	102293	68.799	ng	0.01
7) Phenol-d6	7.560	99	146951	66.909	ng	0.00
23) Nitrobenzene-d5	9.610	82	95826	52.060	ng	0.00
42) 2,4,6-Tribromophenol	16.520	330	55800	67.397	ng	0.00
45) 2-Fluorobiphenyl	13.670	172	198301	43.911	ng	0.00
79) Terphenyl-d14	20.345	244	260917	40.212	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.610	70	16056	9.765	ng	# 79
24) Nitrobenzene	9.645	77	77	2.722	ng	# 43
48) 2-Nitroaniline	14.111	65	155	5.377	ng	# 3
51) 2,6-Dinitrotoluene	15.039	165	8770	11.139	ng	# 28
63) Azobenzene	16.373	77	36438	7.220	ng	# 2
67) 4-Bromophenyl-phenylether	16.520	248	4049	2.536	ng	# 1
71) Phenanthrene	17.818	178	94998	14.043	ng	97
72) Anthracene	17.912	178	28156	4.067	ng	98
75) Fluoranthene	19.804	202	174406	19.539	ng	99
78) Pyrene	20.168	202	168571	21.026	ng	97
81) Benzo(a)anthracene	22.078	228	81453	10.317	ng	93
83) Chrysene	22.078	228	81453	11.036	ng	97
88) Benzo(b)fluoranthene	24.516	252	61334	11.595	ng	# 84
89) Benzo(k)fluoranthene	24.516	252	61334	11.791	ng	# 86
90) Benzo(a)pyrene	25.480	252	37021	7.281	ng	# 90

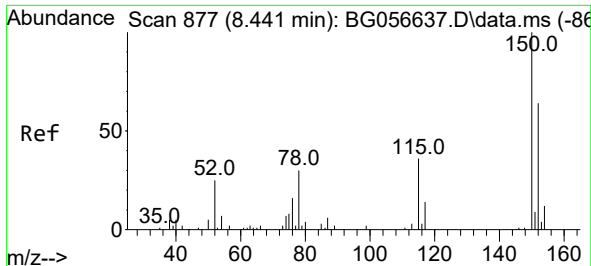
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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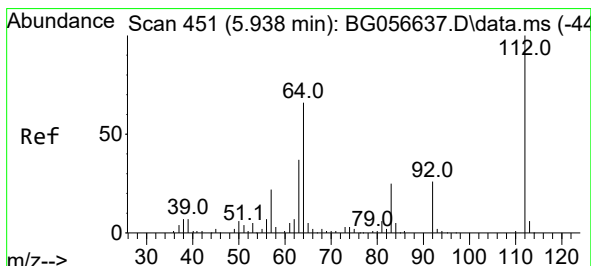
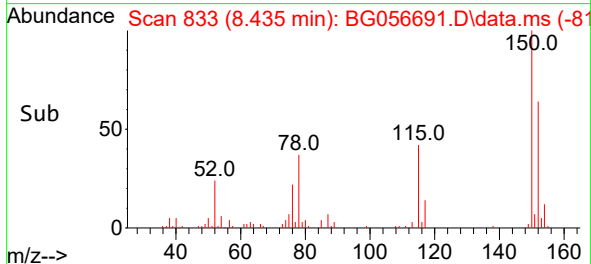
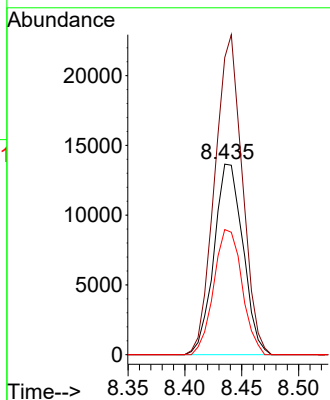
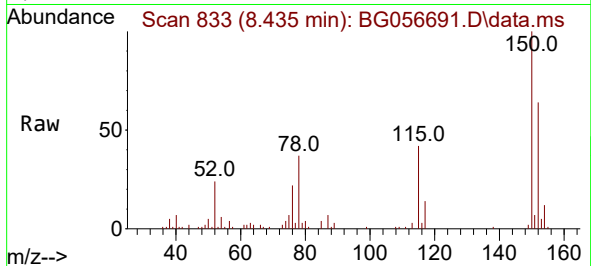




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.435 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

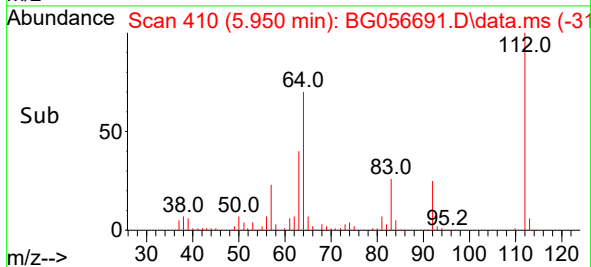
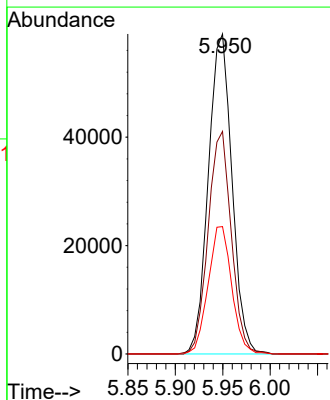
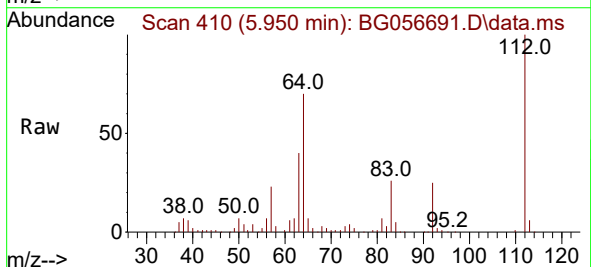
Instrument :
BNA_G
ClientSampleId :
TR-04-02172023

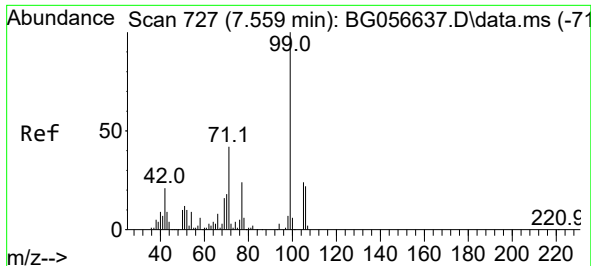
Tgt Ion:152 Resp: 24192
Ion Ratio Lower Upper
152 100
150 155.9 124.8 187.2
115 65.7 44.7 67.1



#5
2-Fluorophenol
Concen: 68.799 ng
RT: 5.950 min Scan# 410
Delta R.T. 0.012 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion:112 Resp: 102293
Ion Ratio Lower Upper
112 100
64 69.5 52.6 78.8
63 39.8 29.8 44.6

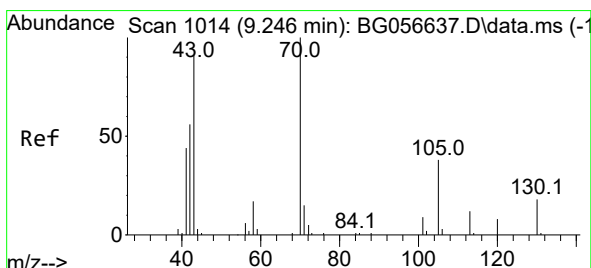
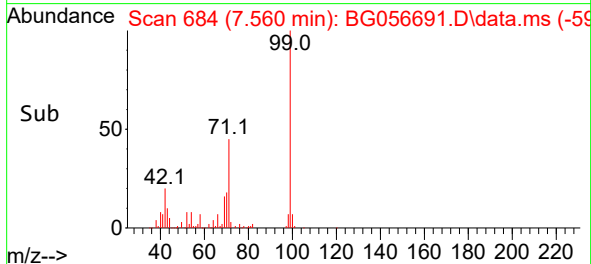
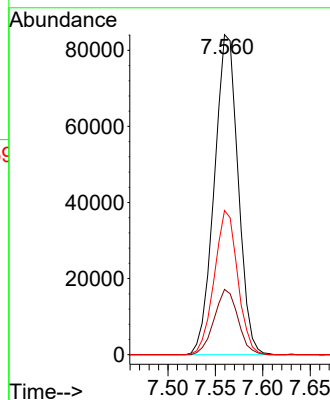
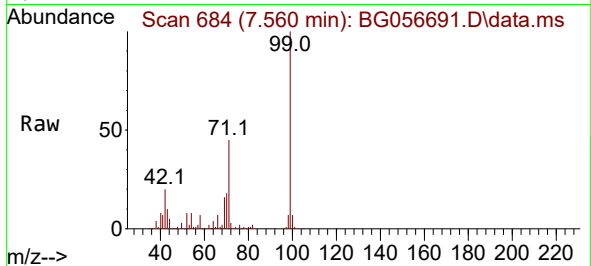




#7
Phenol-d6
Concen: 66.909 ng
RT: 7.560 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

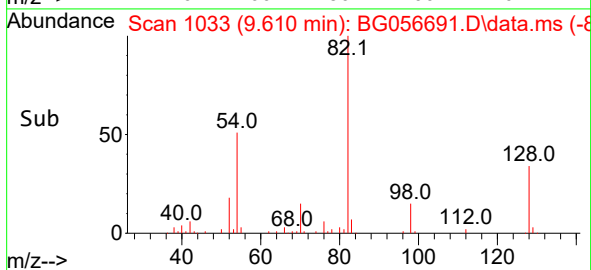
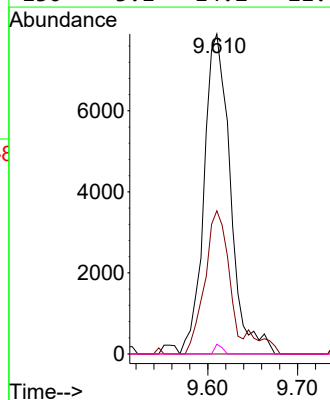
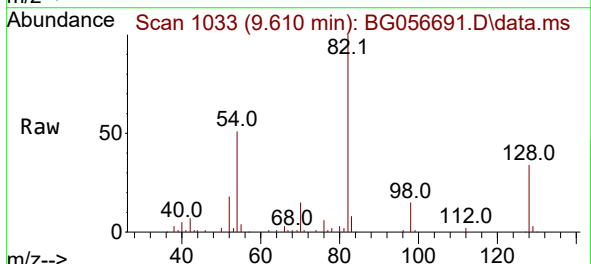
Instrument :
BNA_G
ClientSampleId :
TR-04-02172023

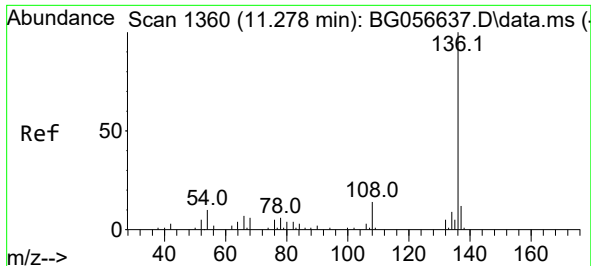
Tgt Ion: 99 Resp: 146951
Ion Ratio Lower Upper
99 100
42 20.4 16.8 25.2
71 45.1 33.9 50.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.765 ng
RT: 9.610 min Scan# 1033
Delta R.T. 0.364 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion: 70 Resp: 16056
Ion Ratio Lower Upper
70 100
42 44.8 45.7 68.5#
101 0.0 7.4 11.0#
130 3.1 14.2 21.4#

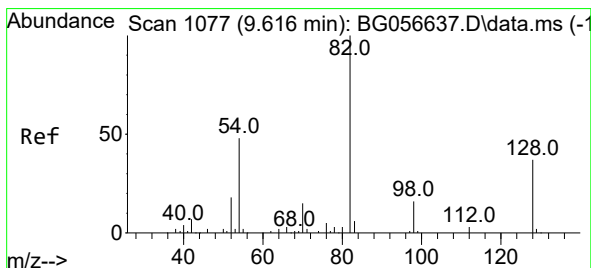
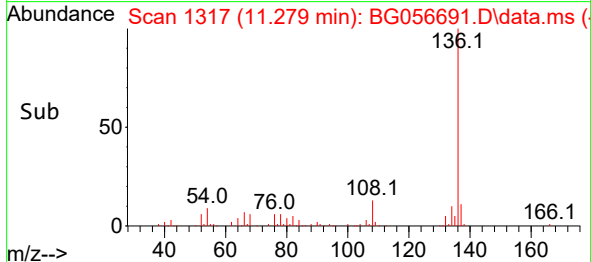
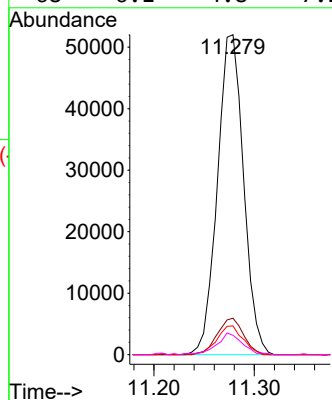
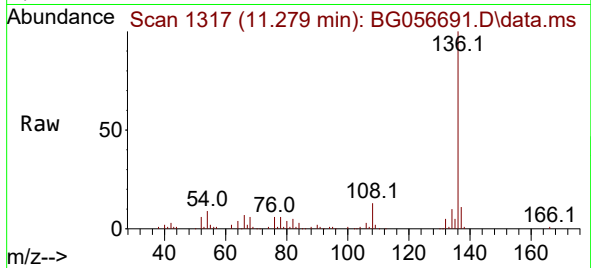




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.279 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

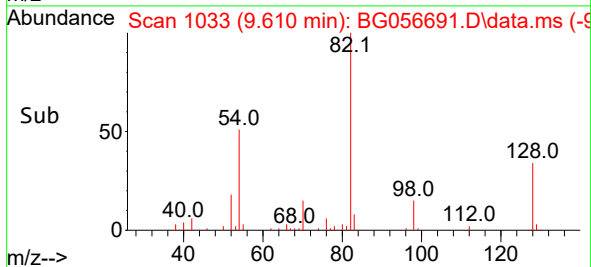
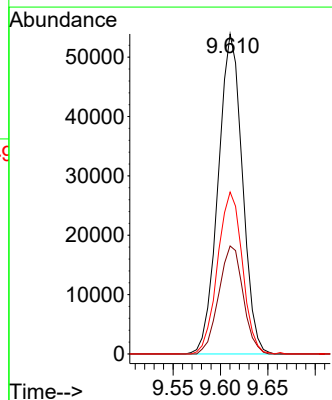
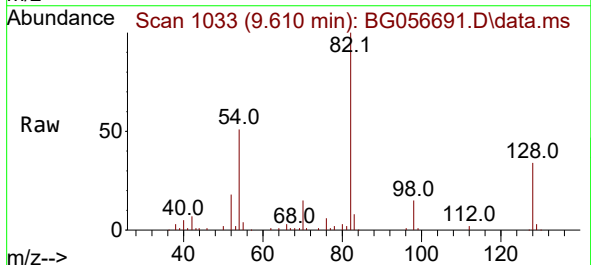
Instrument :
BNA_G
ClientSampleId :
TR-04-02172023

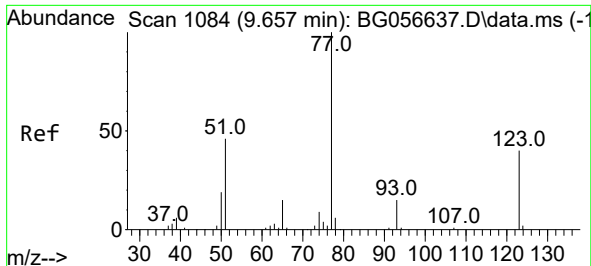
Tgt Ion:	136	Resp:	94246
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.7	14.5
54	9.0	7.7	11.5
68	6.1	4.8	7.2



#23
Nitrobenzene-d5
Concen: 52.060 ng
RT: 9.610 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion:	82	Resp:	95826
Ion Ratio	Lower	Upper	
82	100		
128	33.8	29.4	44.2
54	50.6	37.8	56.6

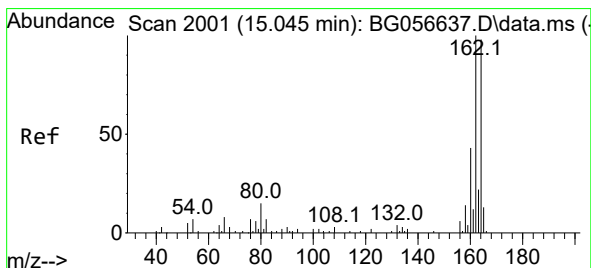
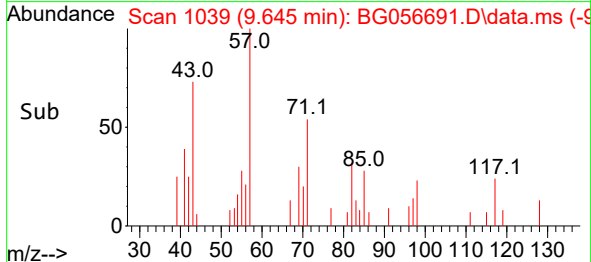
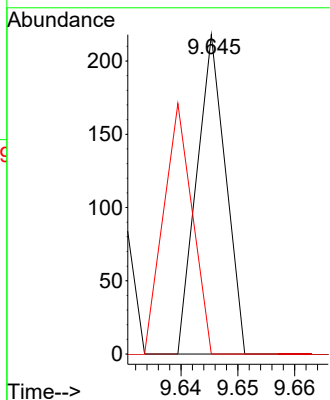
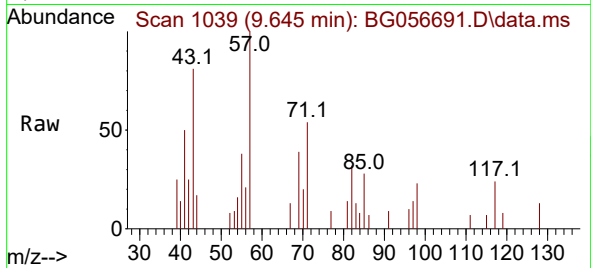




#24
Nitrobenzene
Concen: 2.722 ng
RT: 9.645 min Scan# 1084
Delta R.T. -0.012 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

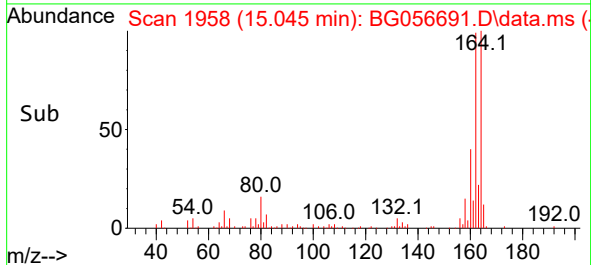
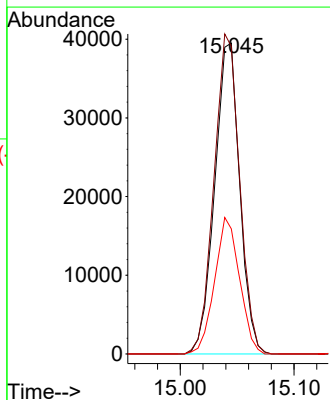
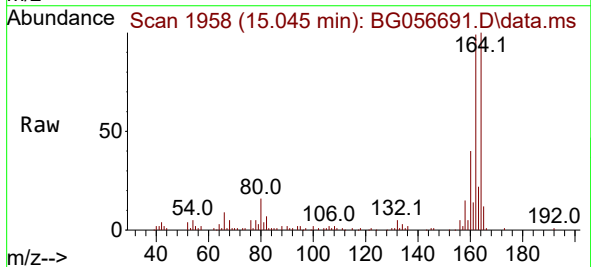
Instrument :
BNA_G
ClientSampleId :
TR-04-02172023

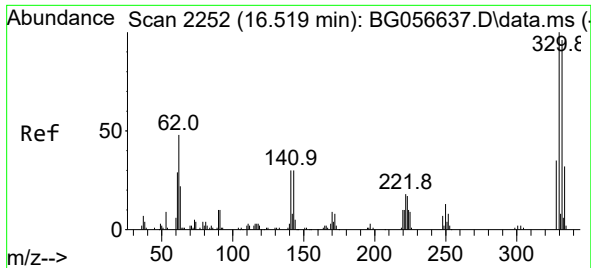
Tgt Ion: 77	Resp:	77
Ion Ratio	Lower	Upper
77	100	
123	0.0	31.8 47.8#
65	0.0	12.0 18.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.045 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion: 164	Resp:	60472
Ion Ratio	Lower	Upper
164	100	
162	98.9	81.3 121.9
160	40.3	35.2 52.8

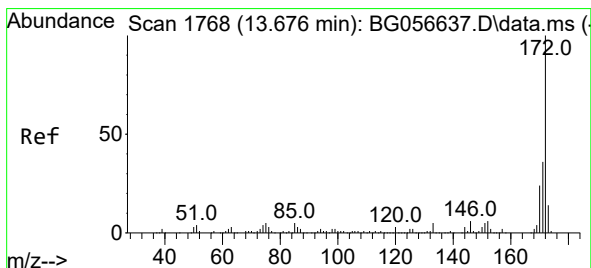
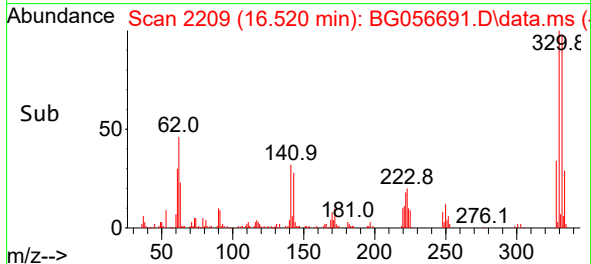
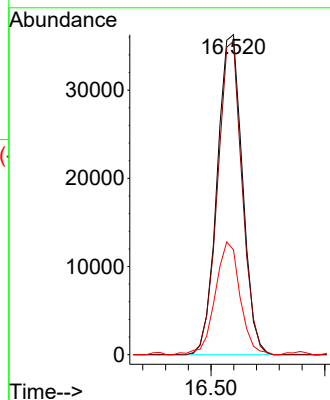
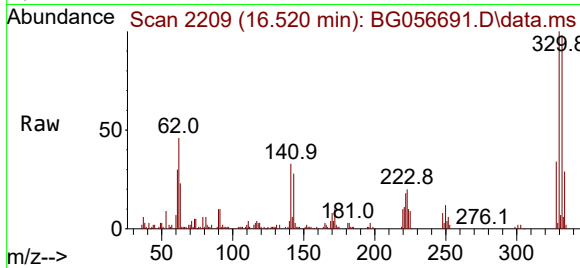




#42
2,4,6-Tribromophenol
Concen: 67.397 ng
RT: 16.520 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

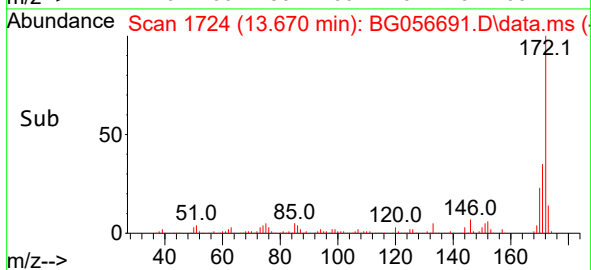
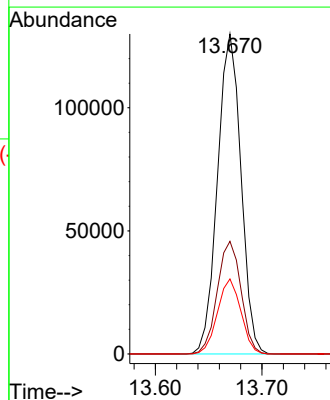
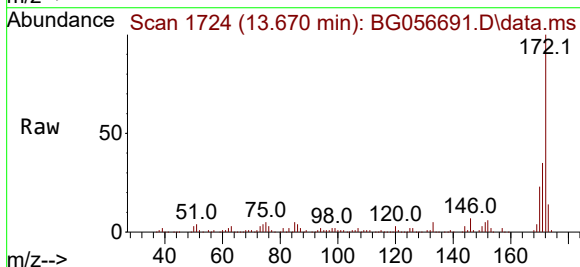
Instrument :
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ClientSampleId :
TR-04-02172023

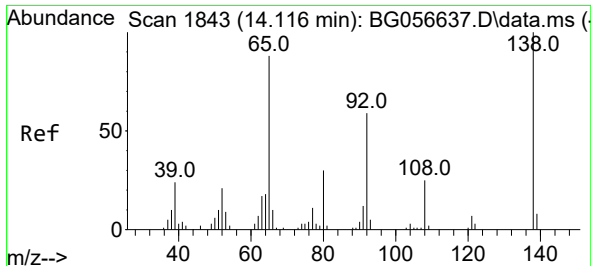
Tgt Ion:330 Resp: 55800
Ion Ratio Lower Upper
330 100
332 95.5 75.7 113.5
141 34.8 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 43.911 ng
RT: 13.670 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion:172 Resp: 198301
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.4 19.4 29.0

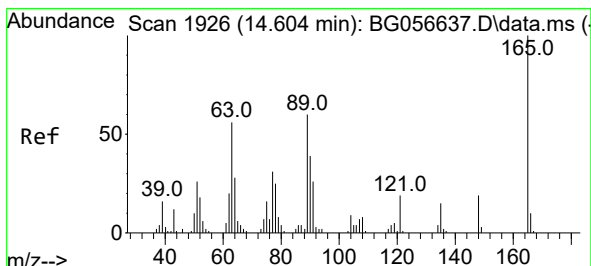
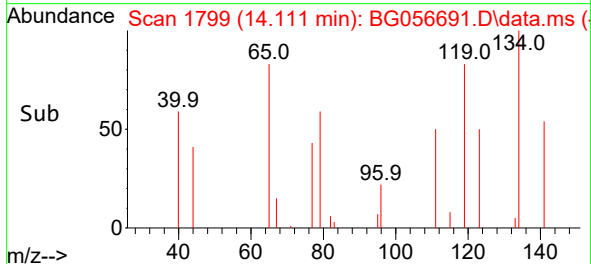
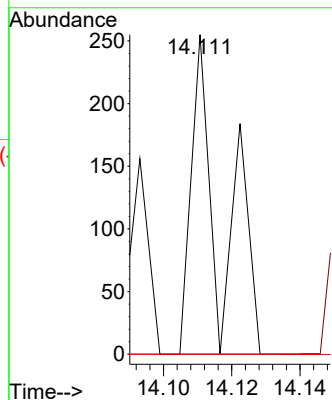
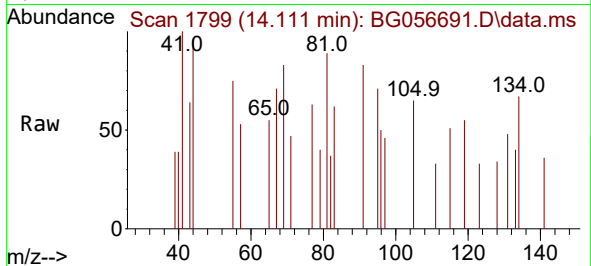




#48
2-Nitroaniline
Concen: 5.377 ng
RT: 14.111 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

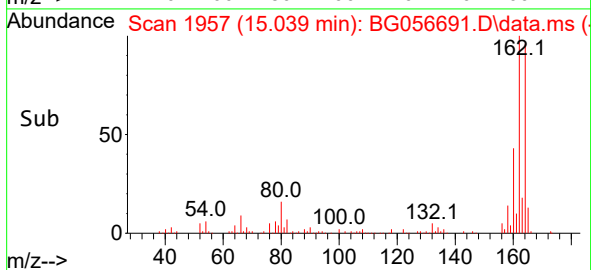
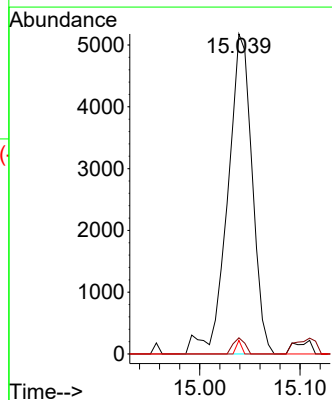
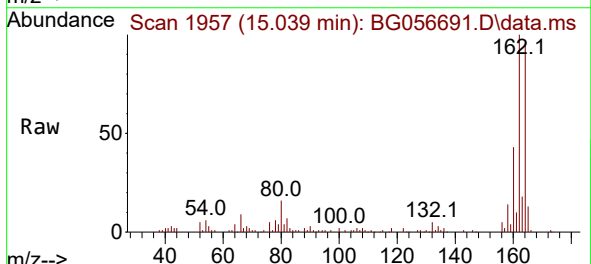
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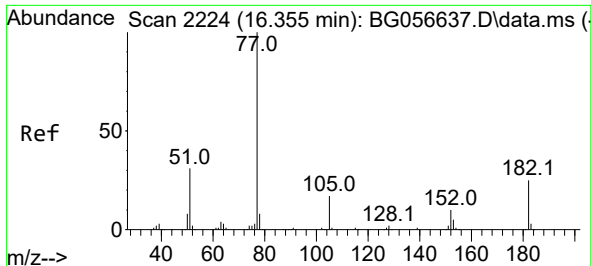
Tgt Ion: 65 Resp: 155
Ion Ratio Lower Upper
65 100
92 0.0 53.8 80.6#
138 0.0 90.6 135.8#



#51
2,6-Dinitrotoluene
Concen: 11.139 ng
RT: 15.039 min Scan# 1957
Delta R.T. 0.435 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion:165 Resp: 8770
Ion Ratio Lower Upper
165 100
63 5.1 45.8 68.8#
89 4.2 48.2 72.2#

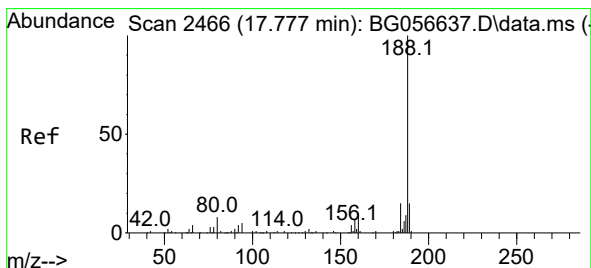
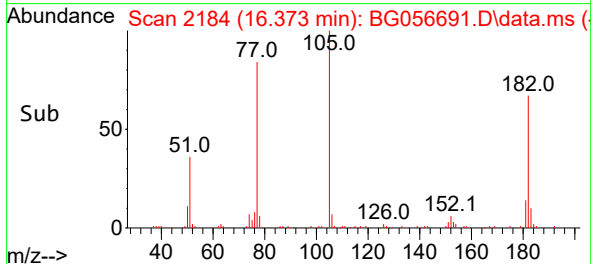
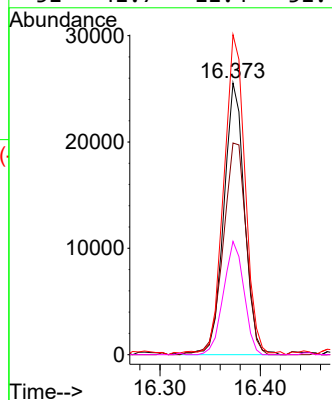
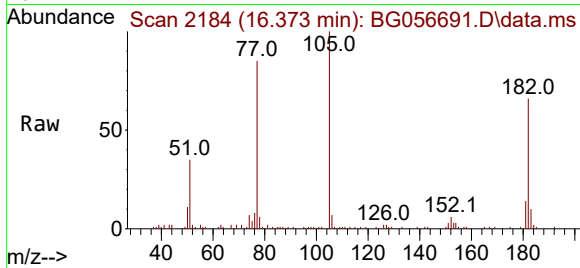




#63
 Azobenzene
 Concen: 7.220 ng
 RT: 16.373 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BG056691.D
 Acq: 21 Feb 2023 19:36

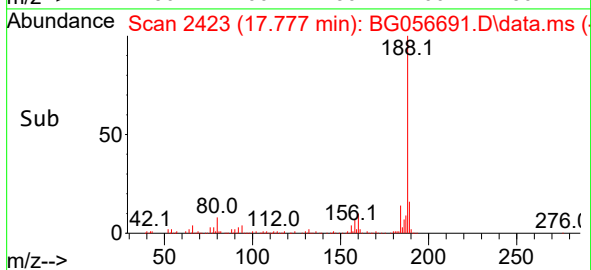
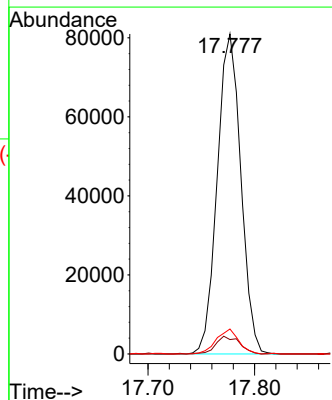
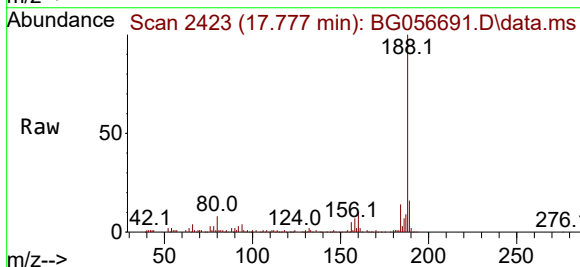
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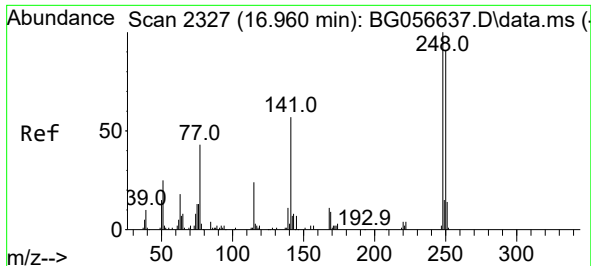
Tgt Ion: 77	Resp: 36438
Ion Ratio	Lower Upper
77 100	
182 77.9	5.2 45.2#
105 117.8	0.0 37.3#
51 41.7	11.4 51.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.777 min Scan# 2423
 Delta R.T. 0.000 min
 Lab File: BG056691.D
 Acq: 21 Feb 2023 19:36

Tgt Ion: 188	Resp: 124345
Ion Ratio	Lower Upper
188 100	
94 4.5	4.0 6.0
80 7.8	6.3 9.5

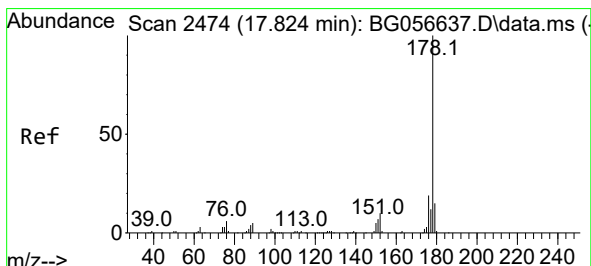
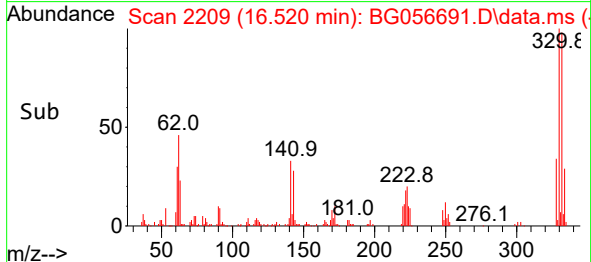
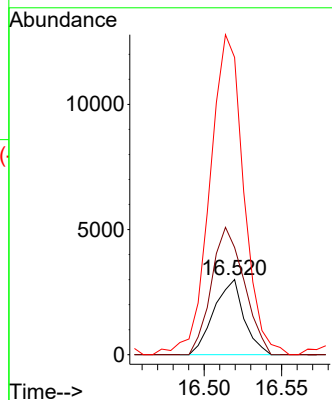
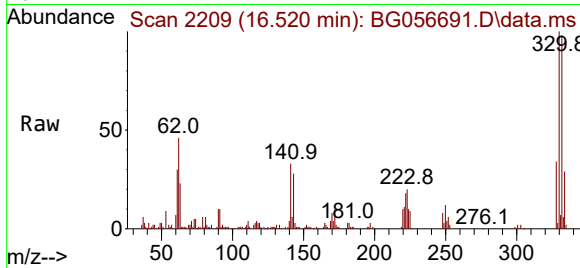




#67
4-Bromophenyl-phenylether
Concen: 2.536 ng
RT: 16.520 min Scan# 21
Delta R.T. -0.440 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

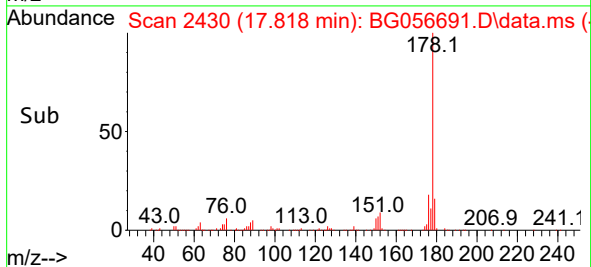
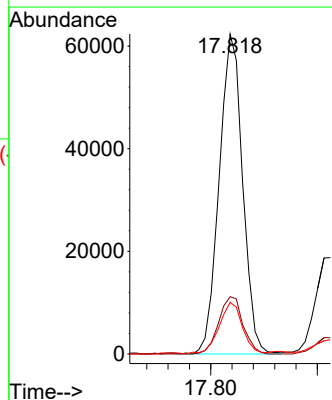
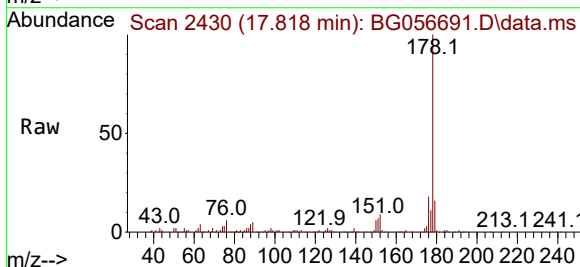
Instrument :
BNA_G
ClientSampleId :
TR-04-02172023

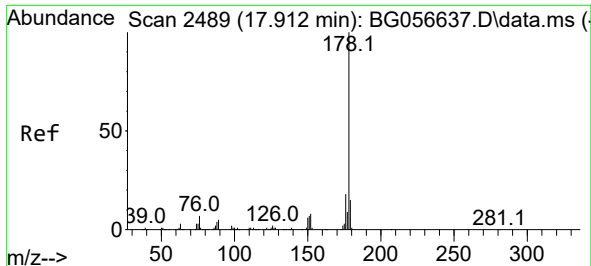
Tgt Ion:248 Resp: 4049
Ion Ratio Lower Upper
248 100
250 142.4 73.0 109.6#
141 395.0 45.6 68.4#



#71
Phenanthrene
Concen: 14.043 ng
RT: 17.818 min Scan# 2430
Delta R.T. -0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion:178 Resp: 94998
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 16.1 12.2 18.4

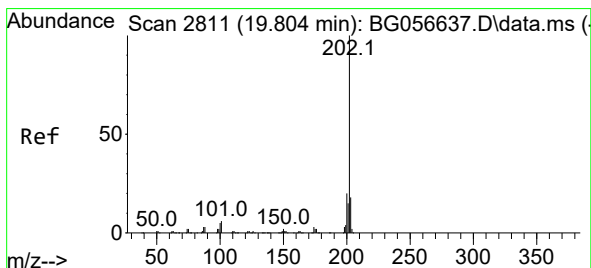
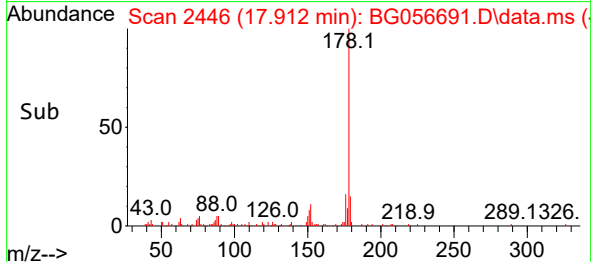
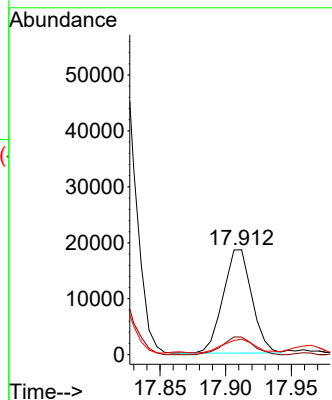
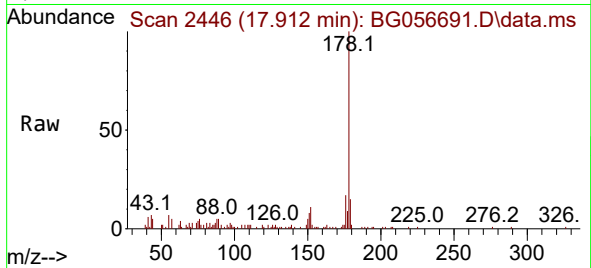




#72
 Anthracene
 Concen: 4.067 ng
 RT: 17.912 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: BG056691.D
 Acq: 21 Feb 2023 19:36

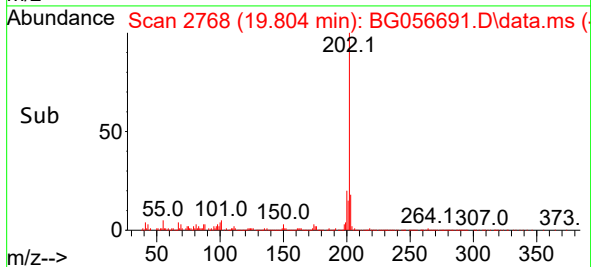
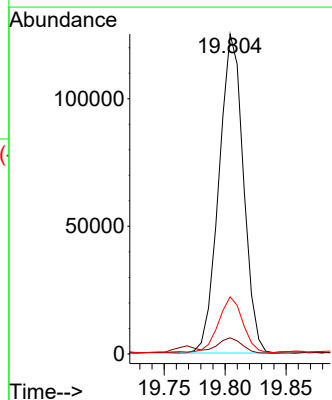
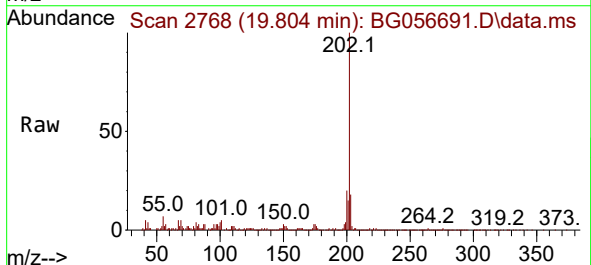
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-02172023

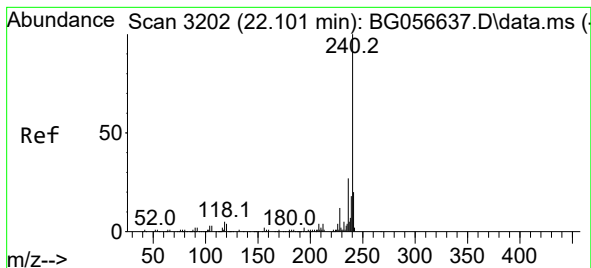
Tgt Ion:178 Resp: 28156
 Ion Ratio Lower Upper
 178 100
 176 16.8 14.3 21.5
 179 14.8 12.2 18.4



#75
 Fluoranthene
 Concen: 19.539 ng
 RT: 19.804 min Scan# 2768
 Delta R.T. 0.000 min
 Lab File: BG056691.D
 Acq: 21 Feb 2023 19:36

Tgt Ion:202 Resp: 174406
 Ion Ratio Lower Upper
 202 100
 101 5.0 0.0 25.8
 203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.095 min Scan# 3158

Delta R.T. -0.006 min

Lab File: BG056691.D

Acq: 21 Feb 2023 19:36

Instrument :

BNA_G

ClientSampleId :

TR-04-02172023

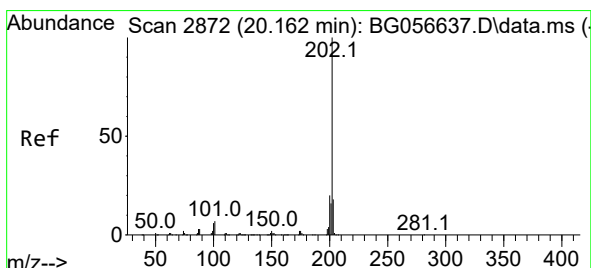
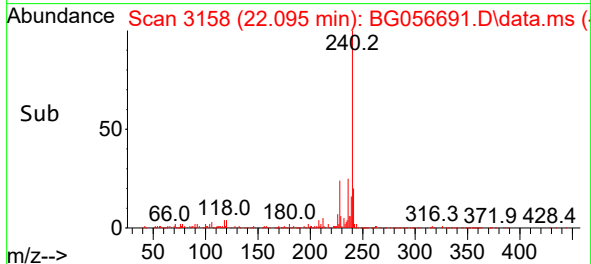
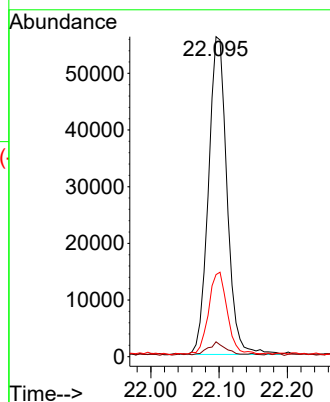
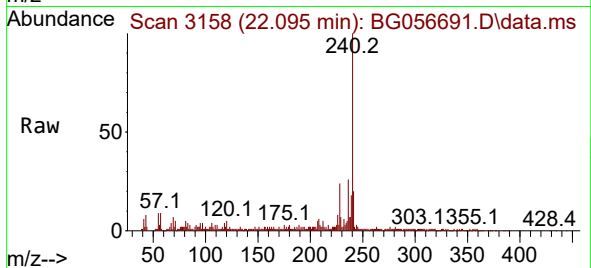
Tgt Ion:240 Resp: 106160

Ion Ratio Lower Upper

240 100

120 4.6 3.5 5.3

236 25.6 21.5 32.3



#78

Pyrene

Concen: 21.026 ng

RT: 20.168 min Scan# 2830

Delta R.T. 0.006 min

Lab File: BG056691.D

Acq: 21 Feb 2023 19:36

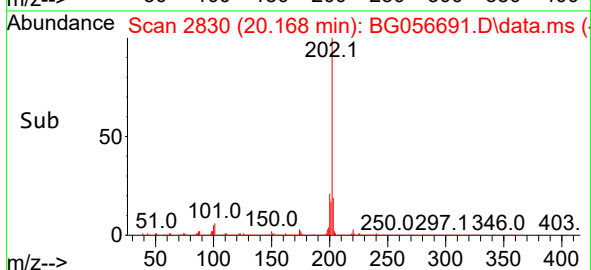
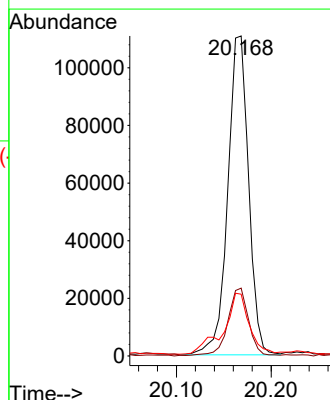
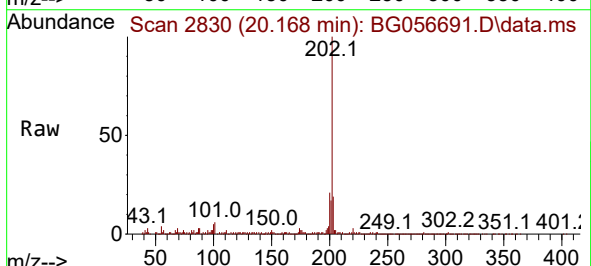
Tgt Ion:202 Resp: 168571

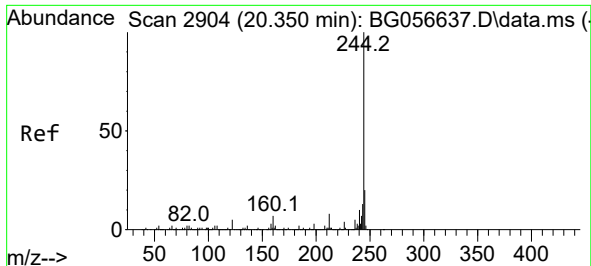
Ion Ratio Lower Upper

202 100

200 21.2 15.8 23.8

203 19.3 14.2 21.4

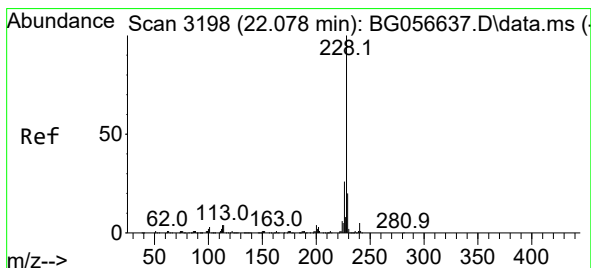
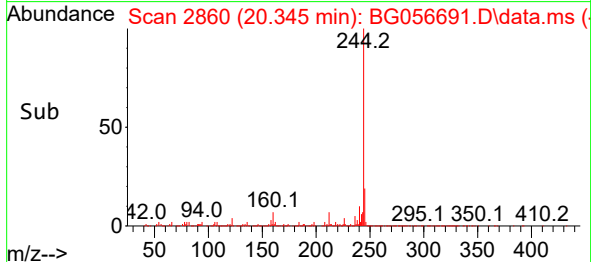
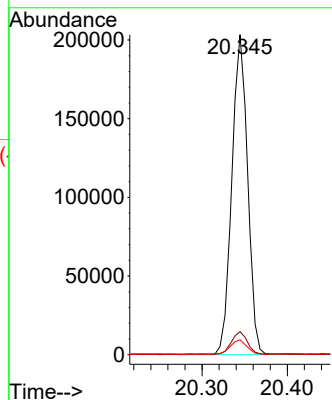
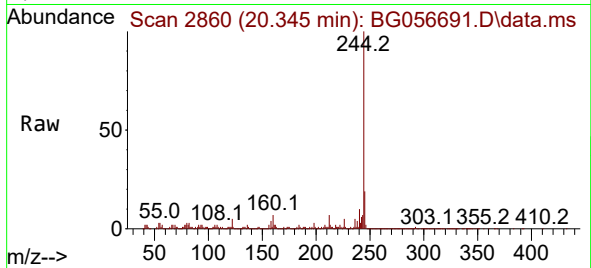




#79
 Terphenyl-d14
 Concen: 40.212 ng
 RT: 20.345 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG056691.D
 Acq: 21 Feb 2023 19:36

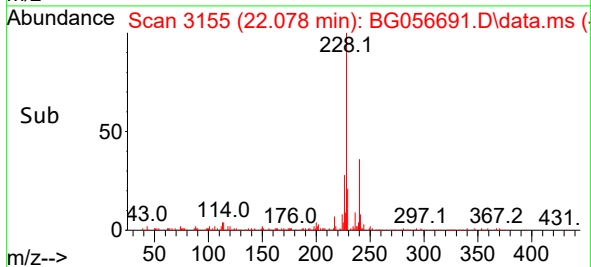
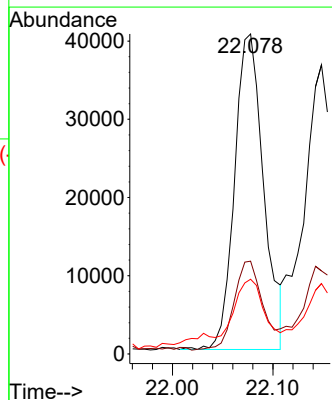
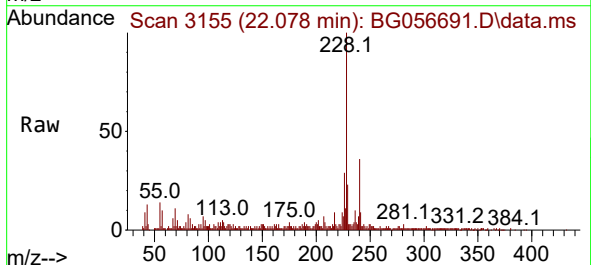
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-02172023

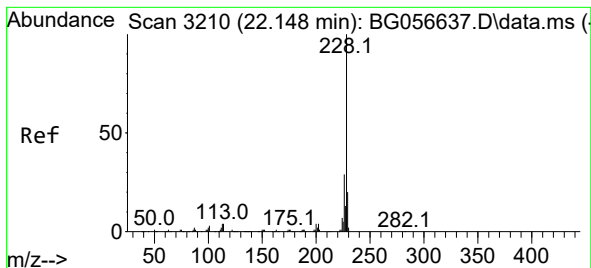
Tgt Ion:244 Resp: 260917
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 4.6 3.8 5.8



#81
 Benzo(a)anthracene
 Concen: 10.317 ng
 RT: 22.078 min Scan# 3155
 Delta R.T. 0.000 min
 Lab File: BG056691.D
 Acq: 21 Feb 2023 19:36

Tgt Ion:228 Resp: 81453
 Ion Ratio Lower Upper
 228 100
 226 29.0 20.4 30.6
 229 23.4 16.0 24.0





#83

Chrysene

Concen: 11.036 ng

RT: 22.078 min Scan# 3155

Delta R.T. -0.070 min

Lab File: BG056691.D

Acq: 21 Feb 2023 19:36

Instrument :

BNA_G

ClientSampleId :

TR-04-02172023

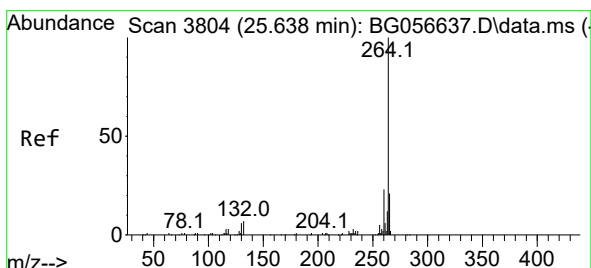
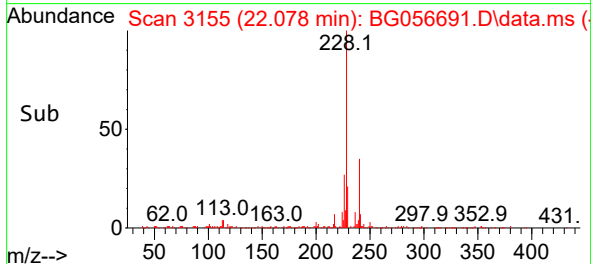
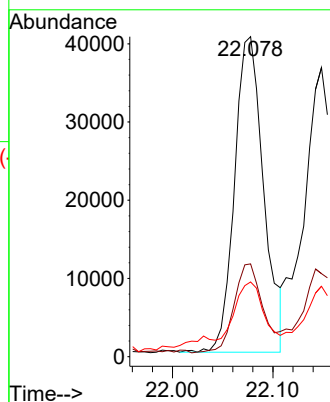
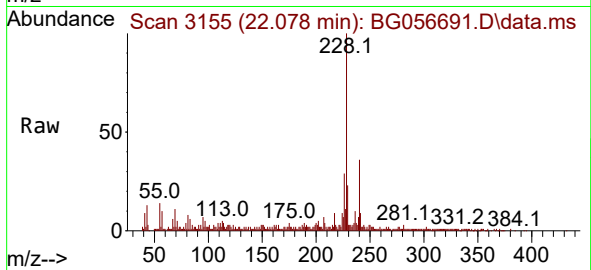
Tgt Ion:228 Resp: 81453

Ion Ratio Lower Upper

228 100

226 29.0 23.0 34.6

229 23.4 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.650 min Scan# 3763

Delta R.T. 0.012 min

Lab File: BG056691.D

Acq: 21 Feb 2023 19:36

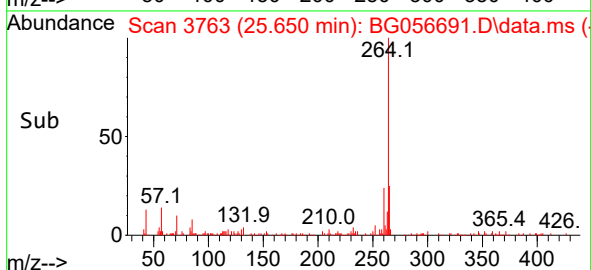
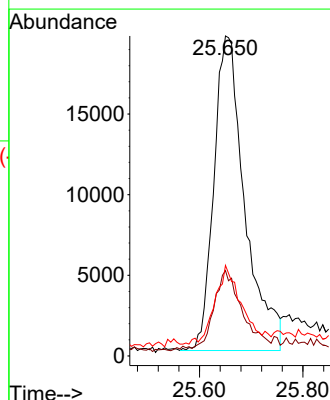
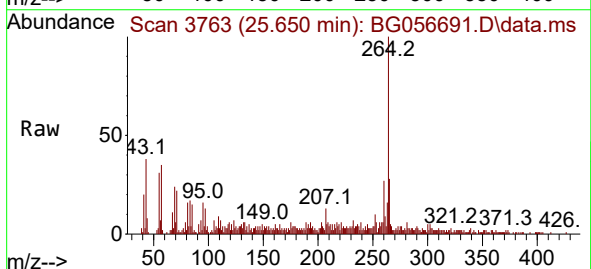
Tgt Ion:264 Resp: 80968

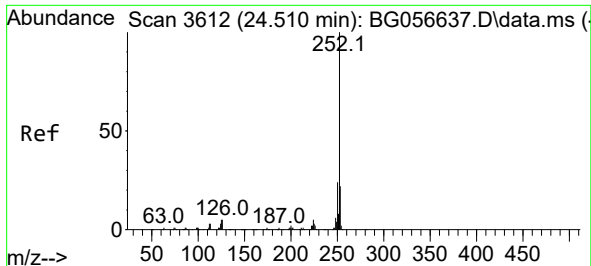
Ion Ratio Lower Upper

264 100

260 26.7 18.6 27.8

265 28.3 17.0 25.4#





#88

Benzo(b)fluoranthene

Concen: 11.595 ng

RT: 24.516 min Scan# 3570

Delta R.T. 0.006 min

Lab File: BG056691.D

Acq: 21 Feb 2023 19:36

Instrument :

BNA_G

ClientSampleId :

TR-04-02172023

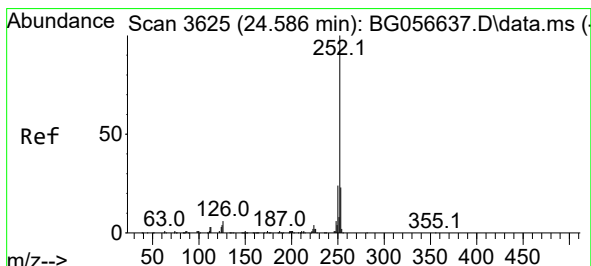
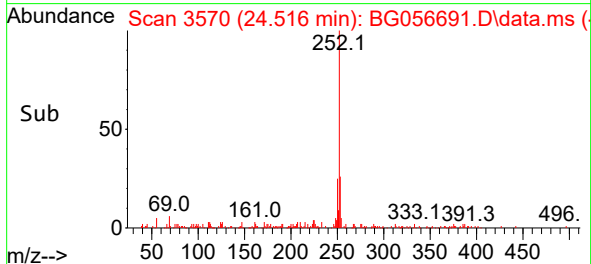
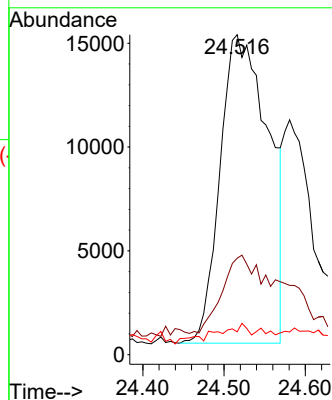
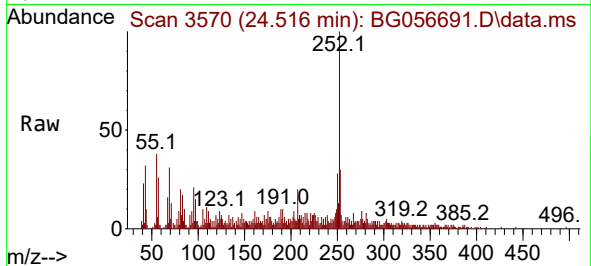
Tgt Ion:252 Resp: 61334

Ion Ratio Lower Upper

252 100

253 30.2 17.3 25.9#

125 7.2 3.7 5.5#



#89

Benzo(k)fluoranthene

Concen: 11.791 ng

RT: 24.516 min Scan# 3570

Delta R.T. -0.070 min

Lab File: BG056691.D

Acq: 21 Feb 2023 19:36

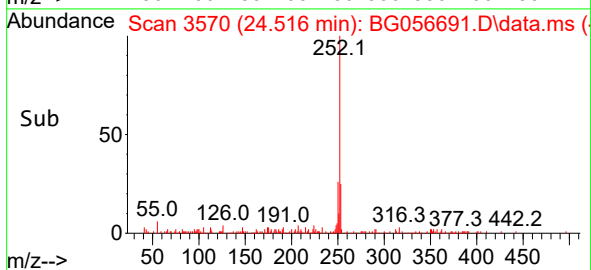
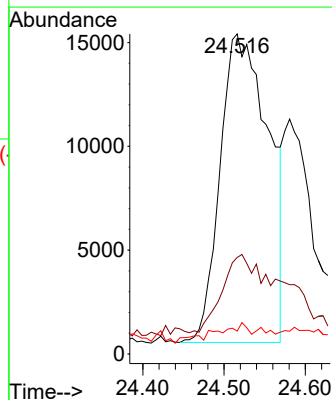
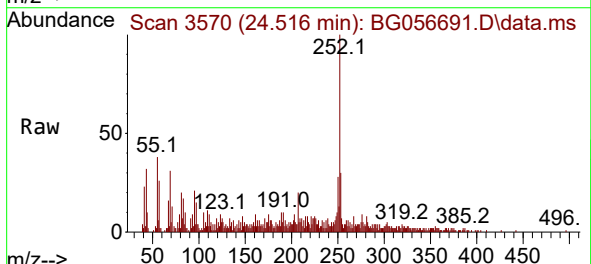
Tgt Ion:252 Resp: 61334

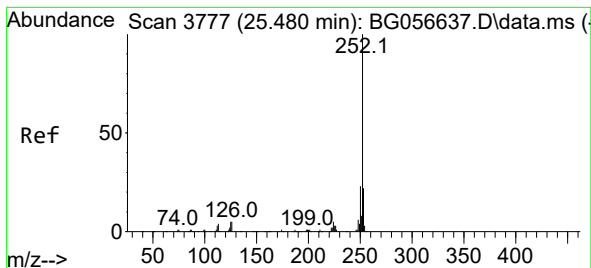
Ion Ratio Lower Upper

252 100

253 30.2 18.5 27.7#

125 7.2 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 7.281 ng

RT: 25.480 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG056691.D

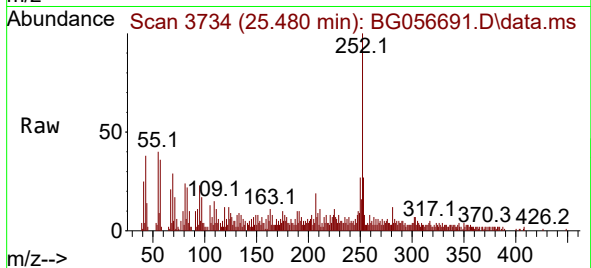
Acq: 21 Feb 2023 19:36

Instrument :

BNA_G

ClientSampleId :

TR-04-02172023



Tgt Ion:252 Resp: 37021

Ion Ratio Lower Upper

252 100

253 27.1 17.9 26.9#

125 8.5 4.0 6.0#

