

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040423\
 Data File : BG056977.D
 Acq On : 4 Apr 2023 23:04
 Operator : CG/JU
 Sample : 02176-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-040323

Quant Time: Apr 05 04:12:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

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

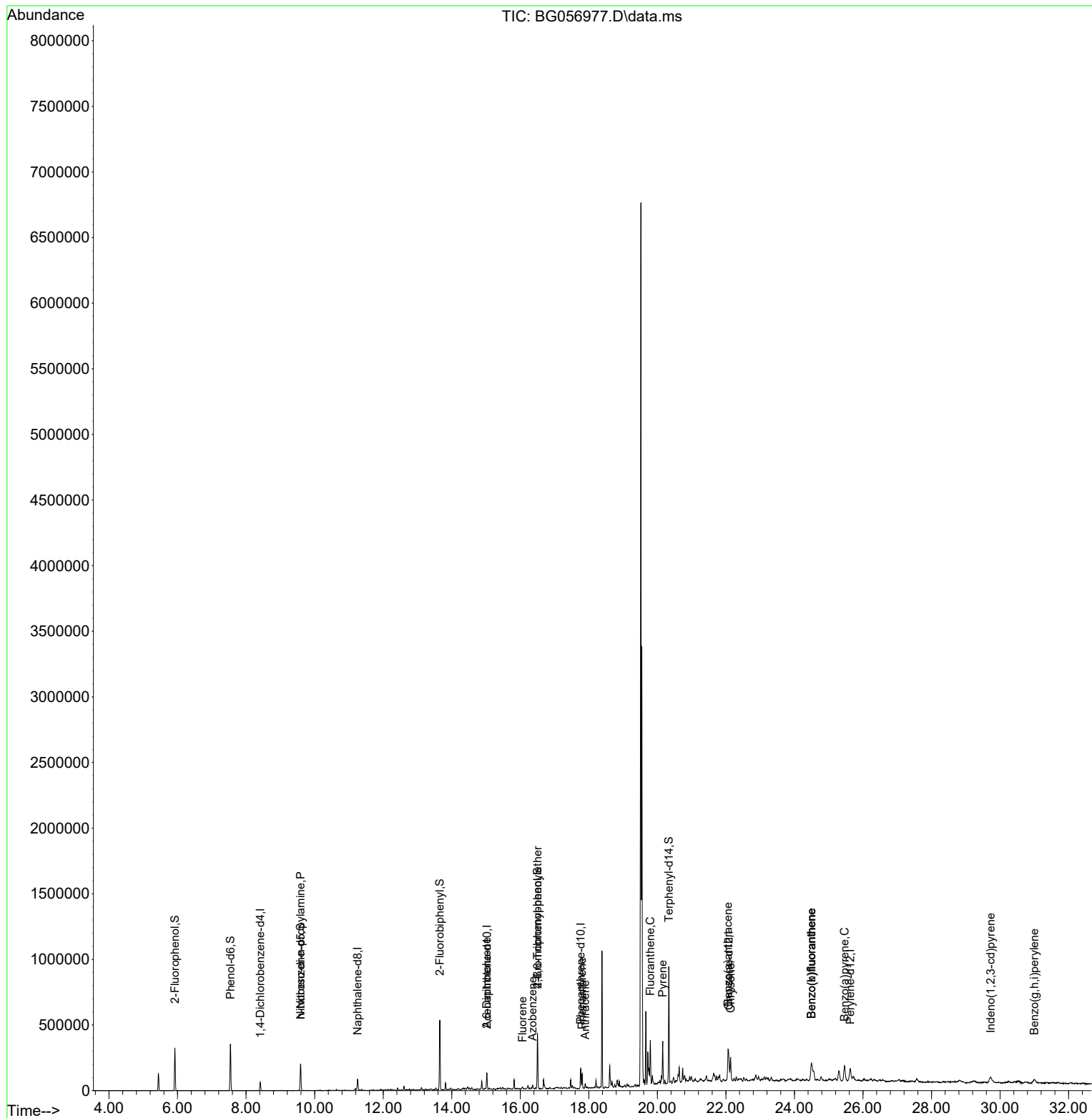
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	16579	20.000	ng	0.00
21) Naphthalene-d8	11.251	136	66658	20.000	ng	0.00
39) Acenaphthene-d10	15.028	164	42759	20.000	ng	0.00
64) Phenanthrene-d10	17.760	188	94917	20.000	ng	-0.01
76) Chrysene-d12	22.083	240	94669	20.000	ng	-0.01
86) Perylene-d12	25.631	264	105135	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.923	112	128907	124.440	ng	0.00
7) Phenol-d6	7.544	99	188739	121.821	ng	0.00
23) Nitrobenzene-d5	9.588	82	127869	78.492	ng	0.00
42) 2,4,6-Tribromophenol	16.503	330	77257	113.099	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	268836	85.256	ng	0.00
79) Terphenyl-d14	20.333	244	428379	76.571	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.588	70	19049	17.189	ng	# 85
51) 2,6-Dinitrotoluene	15.022	165	6851	9.412	ng	# 21
58) Fluorene	16.062	166	6708	2.059	ng	# 89
63) Azobenzene	16.362	77	7526	2.236	ng	# 1
67) 4-Bromophenyl-phenylether	16.503	248	4659	3.967	ng	# 1
71) Phenanthrene	17.807	178	66407	13.722	ng	98
72) Anthracene	17.895	178	21075	4.248	ng	96
75) Fluoranthene	19.792	202	210573	34.326	ng	97
78) Pyrene	20.157	202	203186	31.031	ng	97
81) Benzo(a)anthracene	22.060	228	150157	22.921	ng	97
83) Chrysene	22.136	228	137470	22.412	ng	98
87) Indeno(1,2,3-cd)pyrene	29.726	276	83765	10.781	ng	# 90
88) Benzo(b)fluoranthene	24.498	252	190418	28.963	ng	98
89) Benzo(k)fluoranthene	24.498	252	190418	29.012	ng	100
90) Benzo(a)pyrene	25.461	252	141833	21.954	ng	97
92) Benzo(g,h,i)perylene	31.001	276	72400	11.577	ng	# 95

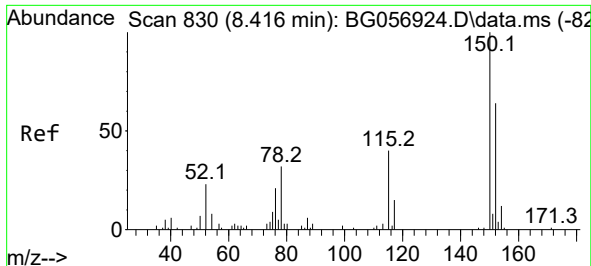
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 05 04:12:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
Response via : Initial Calibration

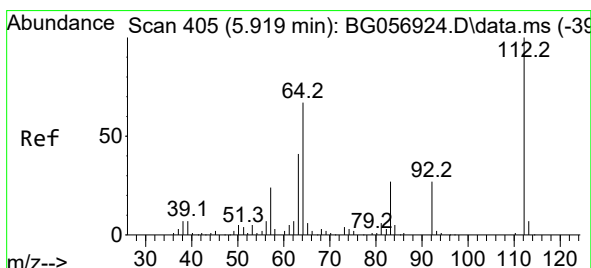
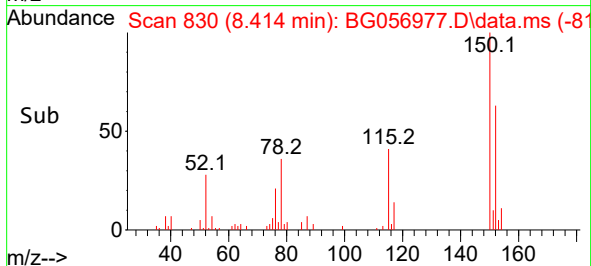
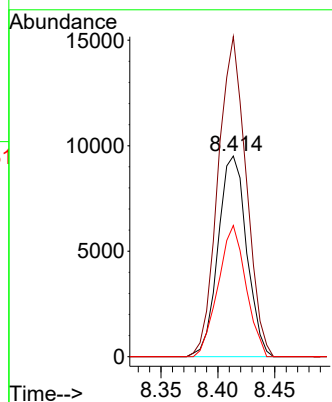
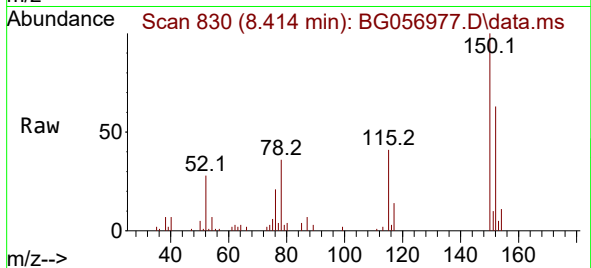




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.414 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

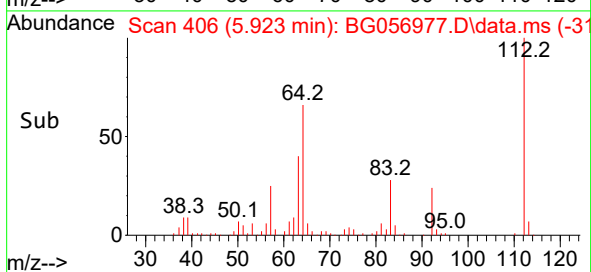
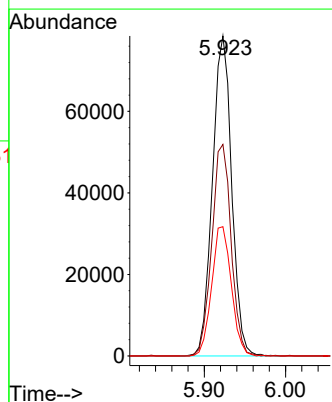
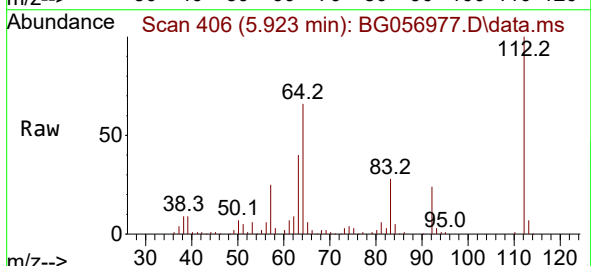
Instrument :
BNA_G
ClientSampleId :
TR-04-040323

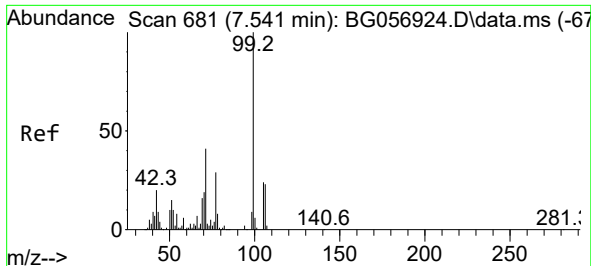
Tgt Ion:152 Resp: 16579
Ion Ratio Lower Upper
152 100
150 159.4 124.1 186.1
115 65.4 49.1 73.7



#5
2-Fluorophenol
Concen: 124.440 ng
RT: 5.923 min Scan# 406
Delta R.T. 0.003 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

Tgt Ion:112 Resp: 128907
Ion Ratio Lower Upper
112 100
64 66.1 53.2 79.8
63 40.4 32.6 48.8

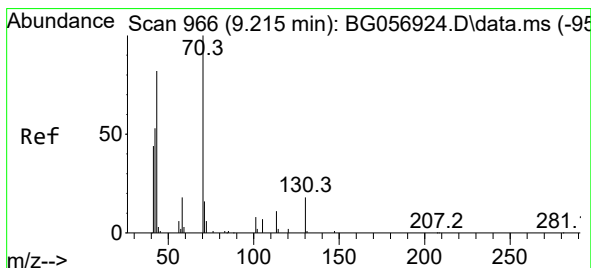
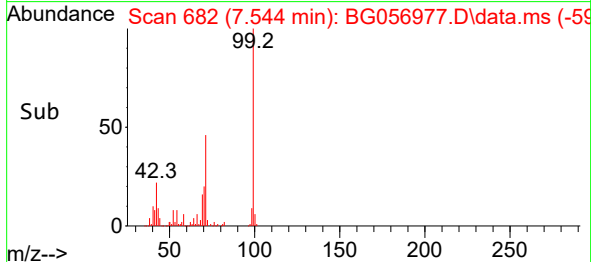
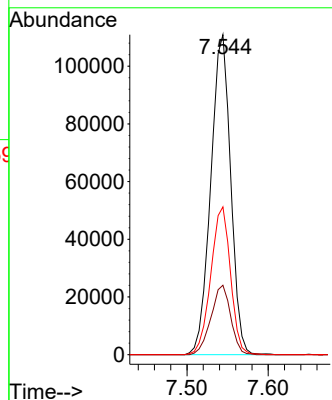
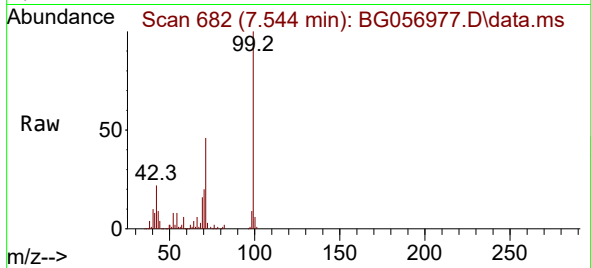




#7
Phenol-d6
Concen: 121.821 ng
RT: 7.544 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

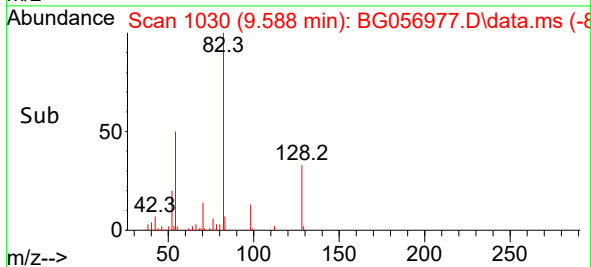
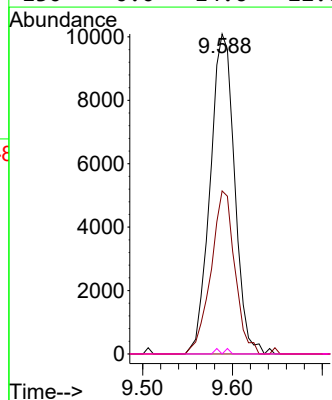
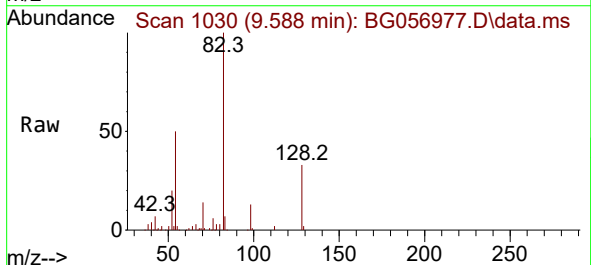
Instrument :
BNA_G
ClientSampleId :
TR-04-040323

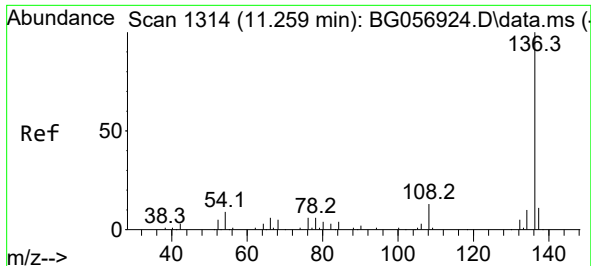
Tgt Ion: 99 Resp: 188739
Ion Ratio Lower Upper
99 100
42 21.7 15.7 23.5
71 46.2 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.189 ng
RT: 9.588 min Scan# 1030
Delta R.T. 0.374 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

Tgt Ion: 70 Resp: 19049
Ion Ratio Lower Upper
70 100
42 51.0 43.4 65.0
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#

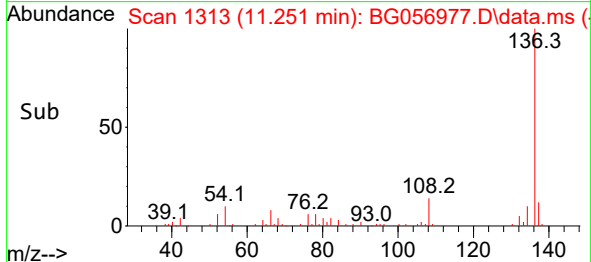
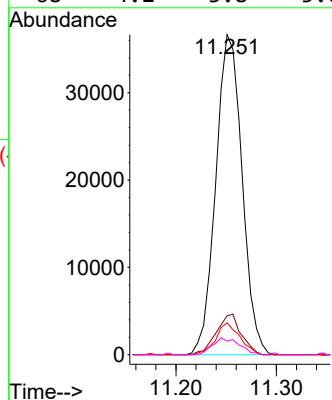
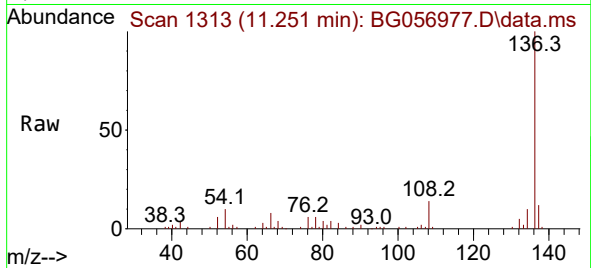




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

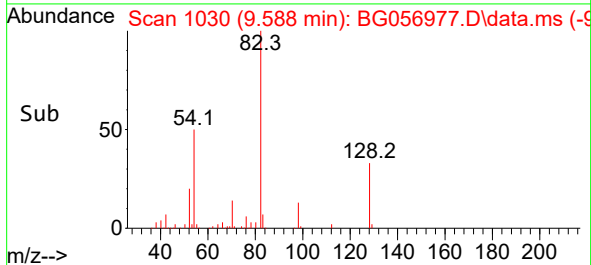
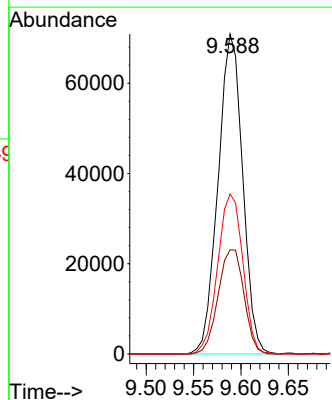
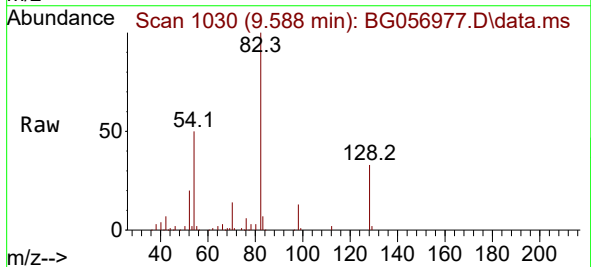
Instrument :
BNA_G
ClientSampleId :
TR-04-040323

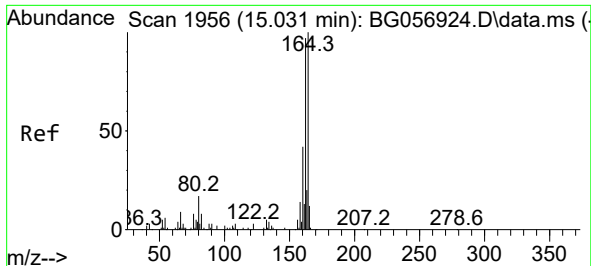
Tgt Ion:136	Resp:	66658
Ion Ratio	Lower	Upper
136	100	
137	12.1	8.6 13.0
54	10.0	6.9 10.3
68	4.2	3.8 5.6



#23
Nitrobenzene-d5
Concen: 78.492 ng
RT: 9.588 min Scan# 1030
Delta R.T. -0.008 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

Tgt Ion: 82	Resp:	127869
Ion Ratio	Lower	Upper
82	100	
128	32.6	27.9 41.9
54	50.0	39.4 59.2

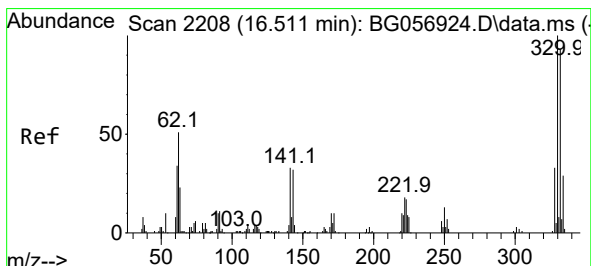
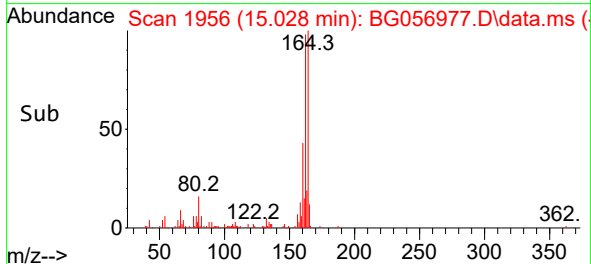
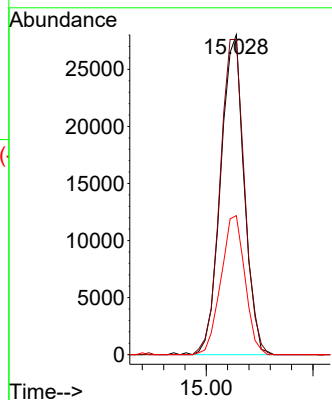
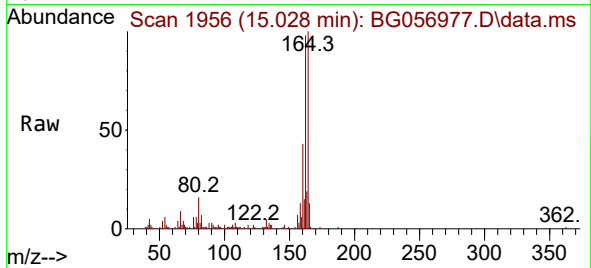




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.028 min Scan# 1956
Delta R.T. -0.002 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

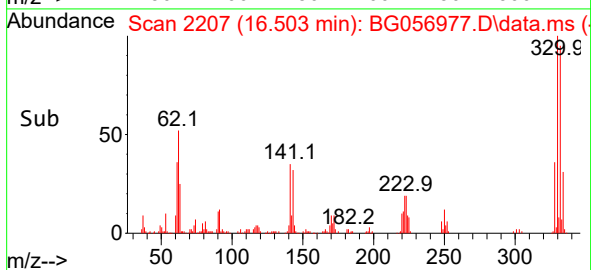
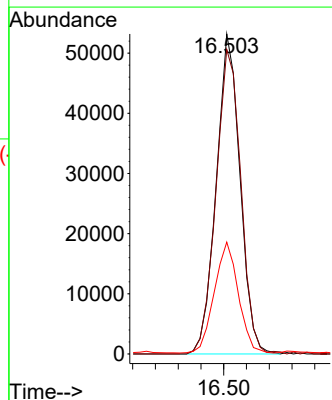
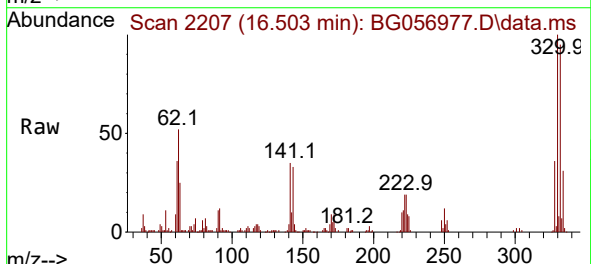
Instrument :
BNA_G
ClientSampleId :
TR-04-040323

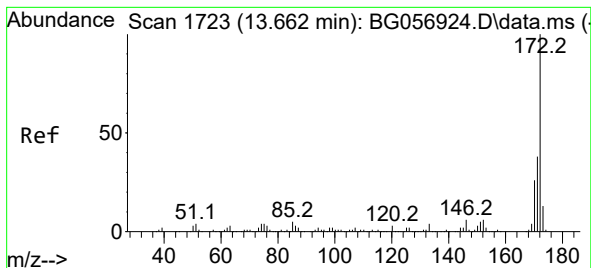
Tgt Ion:164 Resp: 42759
Ion Ratio Lower Upper
164 100
162 98.5 77.8 116.8
160 43.4 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 113.099 ng
RT: 16.503 min Scan# 2207
Delta R.T. -0.008 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

Tgt Ion:330 Resp: 77257
Ion Ratio Lower Upper
330 100
332 99.4 76.1 114.1
141 35.2 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 85.256 ng

RT: 13.654 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG056977.D

Acq: 4 Apr 2023 23:04

Instrument :

BNA_G

ClientSampleId :

TR-04-040323

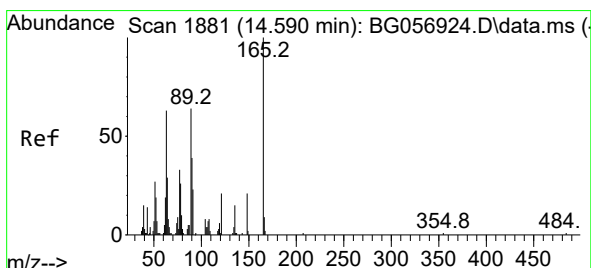
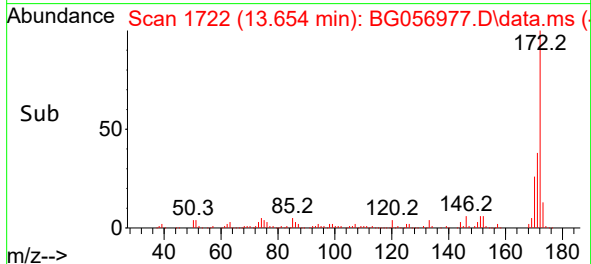
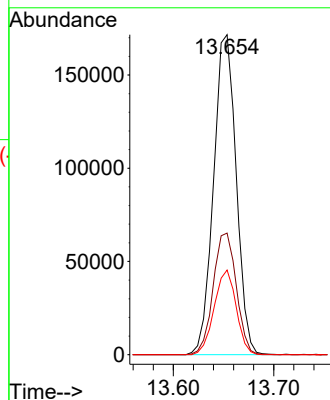
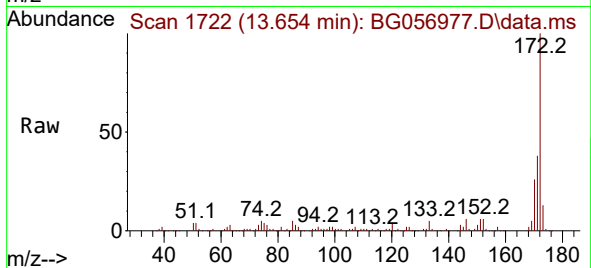
Tgt Ion:172 Resp: 268836

Ion Ratio Lower Upper

172 100

171 38.0 30.6 46.0

170 26.4 20.6 30.8



#51

2,6-Dinitrotoluene

Concen: 9.412 ng

RT: 15.022 min Scan# 1955

Delta R.T. 0.432 min

Lab File: BG056977.D

Acq: 4 Apr 2023 23:04

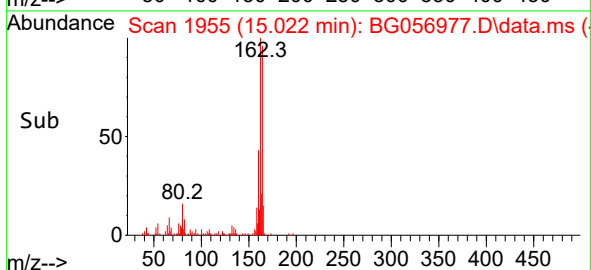
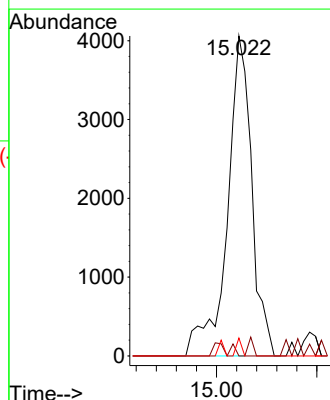
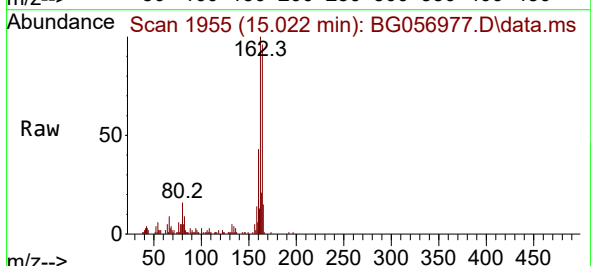
Tgt Ion:165 Resp: 6851

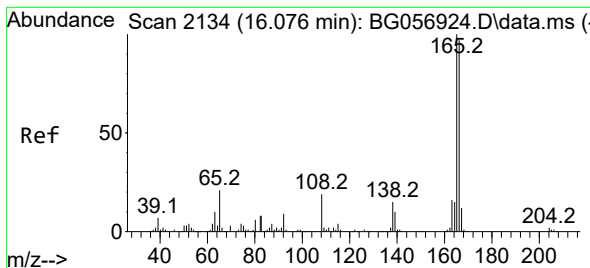
Ion Ratio Lower Upper

165 100

63 0.0 53.0 79.6#

89 5.6 51.0 76.4#





#58

Fluorene

Concen: 2.059 ng

RT: 16.062 min Scan# 2134

Delta R.T. -0.014 min

Lab File: BG056977.D

Acq: 4 Apr 2023 23:04

Instrument :

BNA_G

ClientSampleId :

TR-04-040323

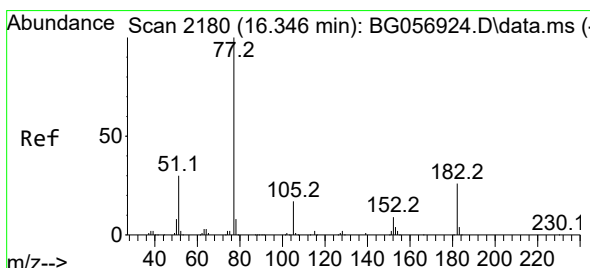
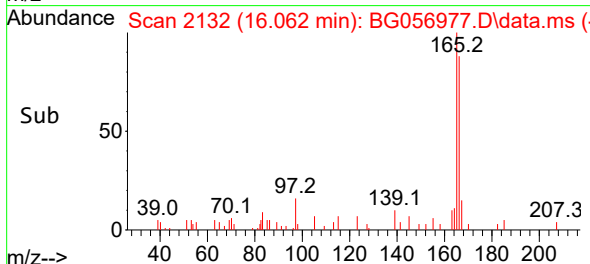
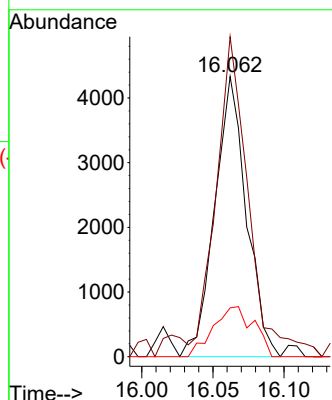
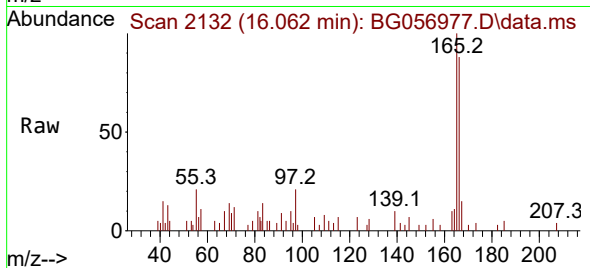
Tgt Ion:166 Resp: 6708

Ion Ratio Lower Upper

166 100

165 114.2 82.6 123.8

167 17.5 10.2 15.2#



#63

Azobenzene

Concen: 2.236 ng

RT: 16.362 min Scan# 2183

Delta R.T. 0.015 min

Lab File: BG056977.D

Acq: 4 Apr 2023 23:04

Tgt Ion: 77 Resp: 7526

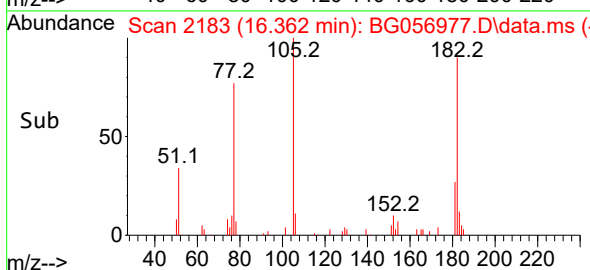
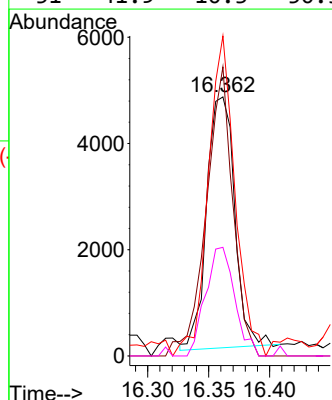
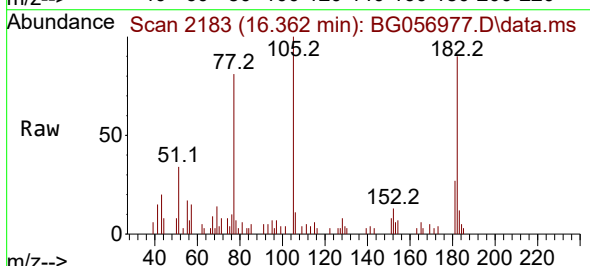
Ion Ratio Lower Upper

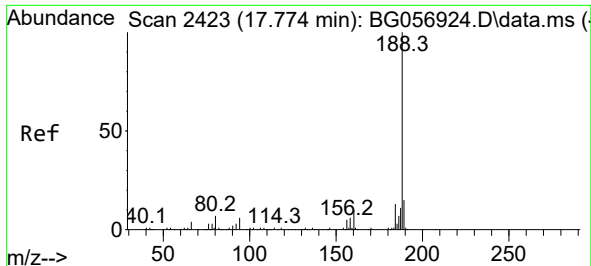
77 100

182 111.6 5.9 45.9#

105 123.5 0.0 36.8#

51 41.9 10.3 50.3

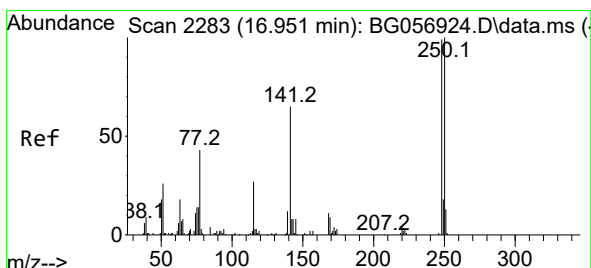
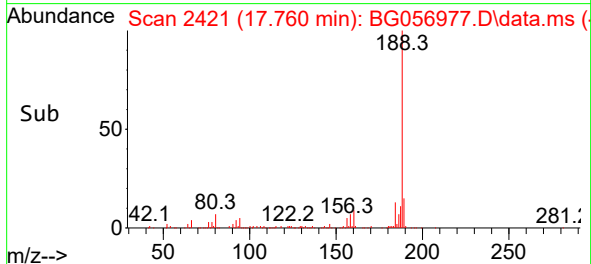
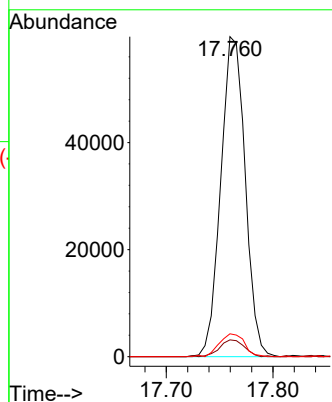
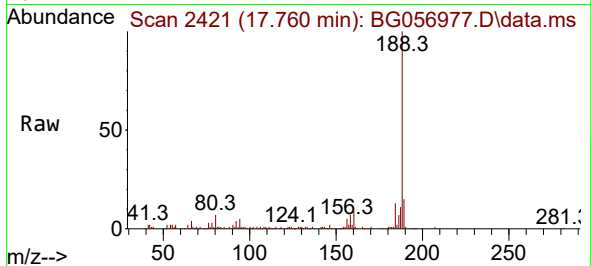




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.760 min Scan# 2423
Delta R.T. -0.014 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

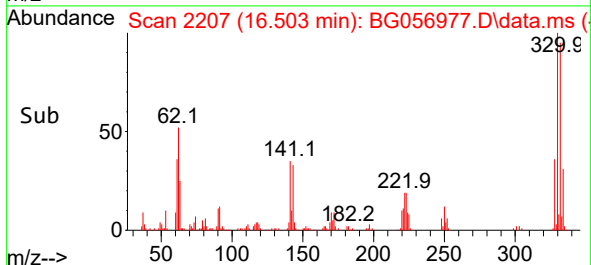
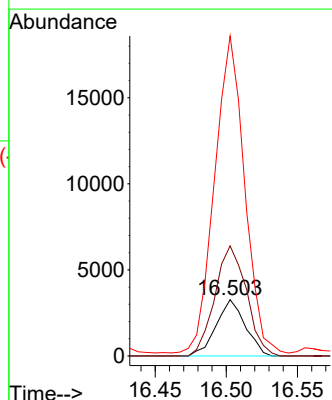
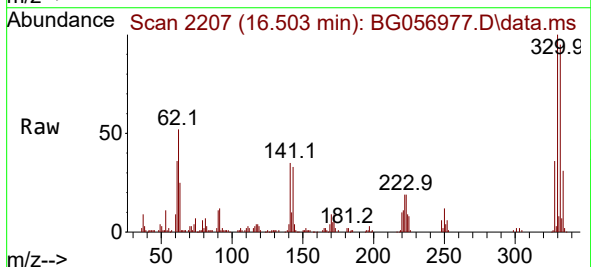
Instrument :
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TR-04-040323

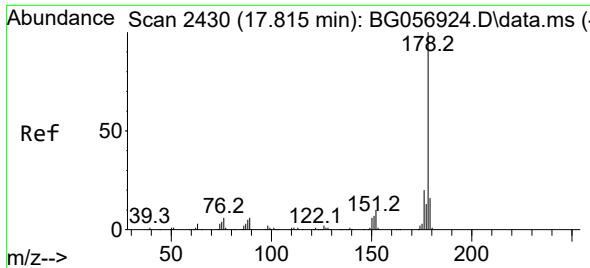
Tgt Ion:188 Resp: 94917
Ion Ratio Lower Upper
188 100
94 5.3 4.6 6.8
80 7.2 5.5 8.3



#67
4-Bromophenyl-phenylether
Concen: 3.967 ng
RT: 16.503 min Scan# 2207
Delta R.T. -0.449 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

Tgt Ion:248 Resp: 4659
Ion Ratio Lower Upper
248 100
250 195.6 80.5 120.7#
141 568.4 52.0 78.0#

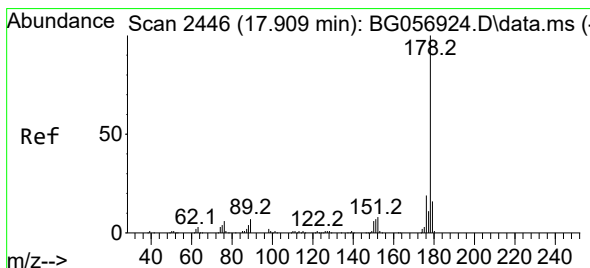
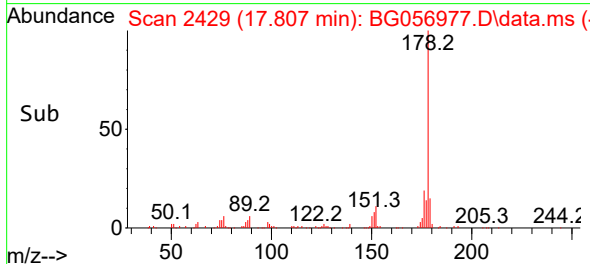
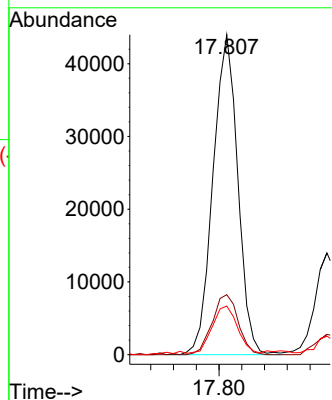
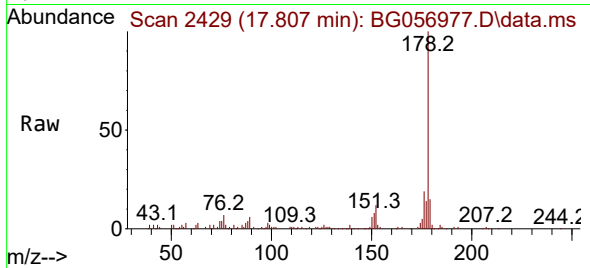




#71
Phenanthrene
Concen: 13.722 ng
RT: 17.807 min Scan# 2430
Delta R.T. -0.008 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

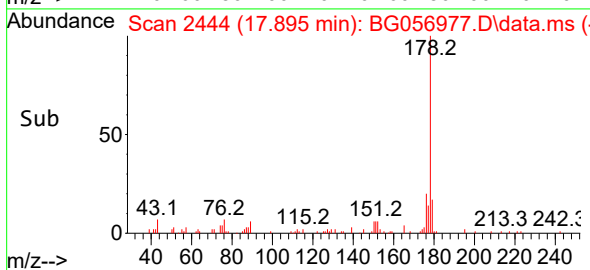
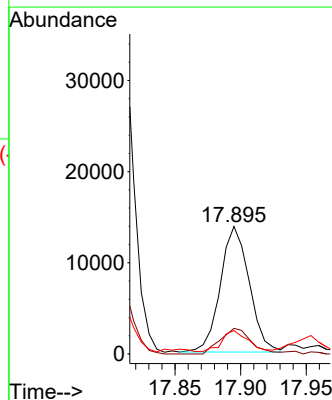
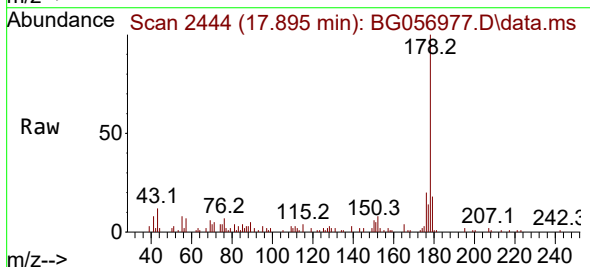
Instrument :
BNA_G
ClientSampleId :
TR-04-040323

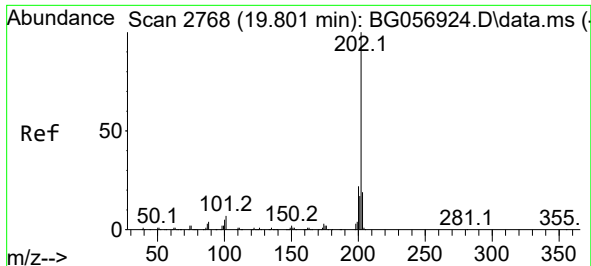
Tgt Ion:178 Resp: 66407
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 15.2 12.5 18.7



#72
Anthracene
Concen: 4.248 ng
RT: 17.895 min Scan# 2444
Delta R.T. -0.014 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

Tgt Ion:178 Resp: 21075
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 18.3 12.4 18.6

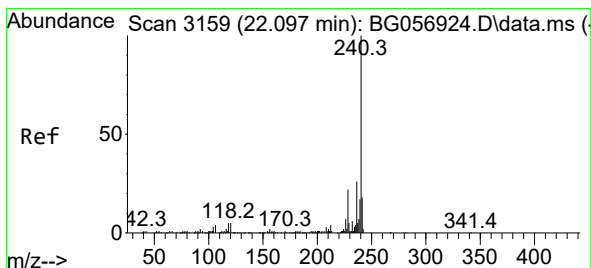
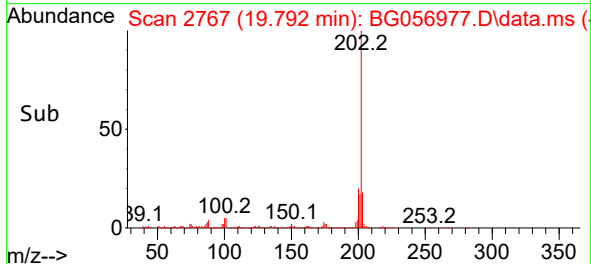
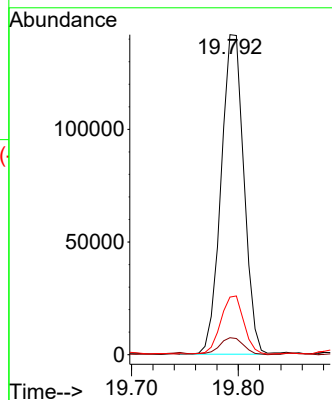
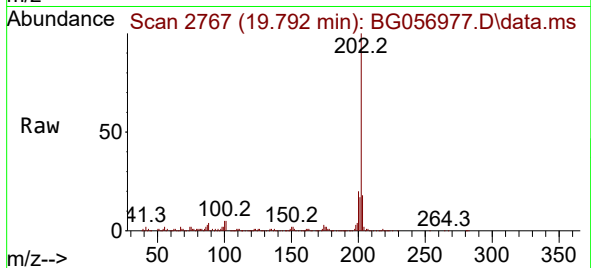




#75
Fluoranthene
Concen: 34.326 ng
RT: 19.792 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

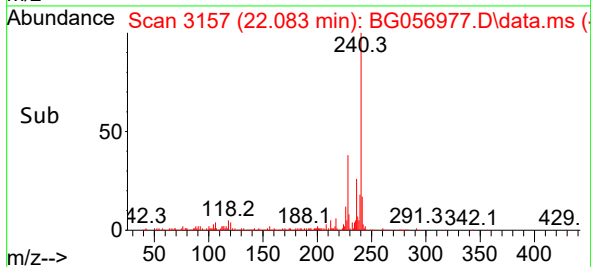
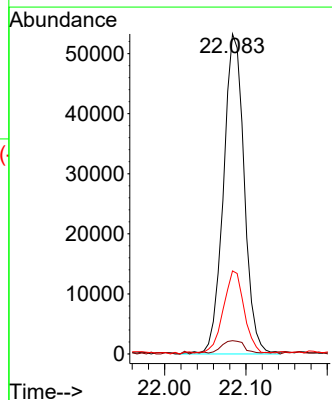
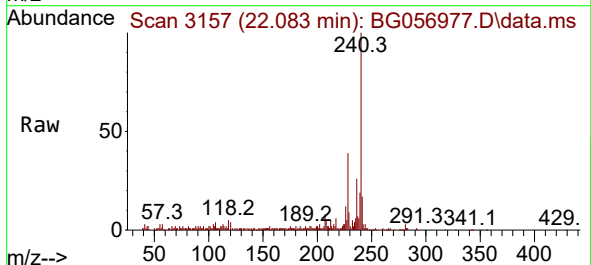
Instrument :
BNA_G
ClientSampleId :
TR-04-040323

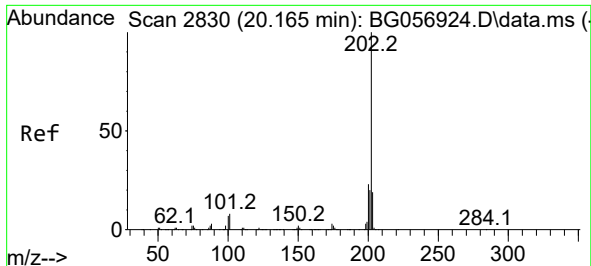
Tgt Ion:202 Resp: 210573
Ion Ratio Lower Upper
202 100
101 5.3 0.0 26.7
203 18.0 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.083 min Scan# 3157
Delta R.T. -0.014 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

Tgt Ion:240 Resp: 94669
Ion Ratio Lower Upper
240 100
120 4.1 3.8 5.6
236 25.9 21.0 31.6

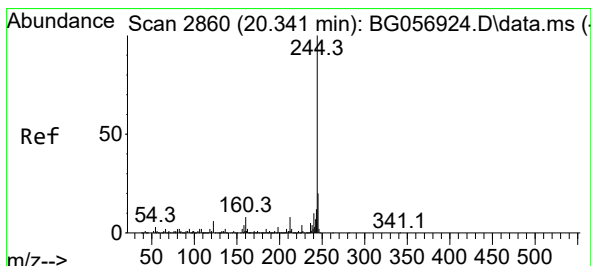
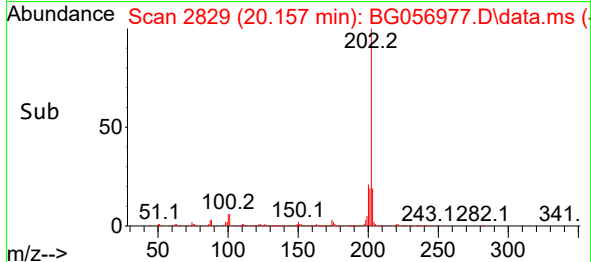
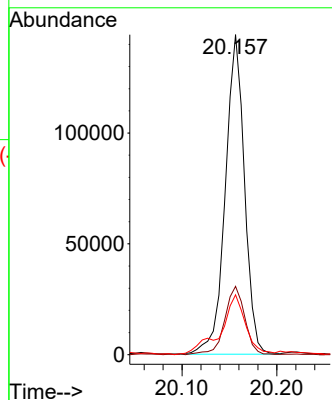
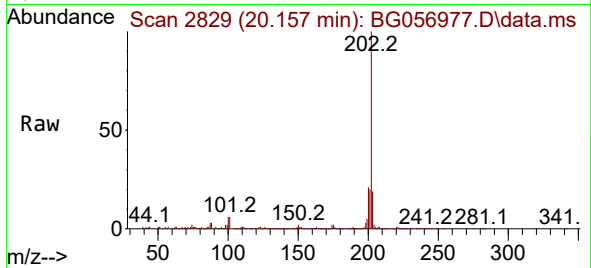




#78
Pyrene
Concen: 31.031 ng
RT: 20.157 min Scan# 2829
Delta R.T. -0.008 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

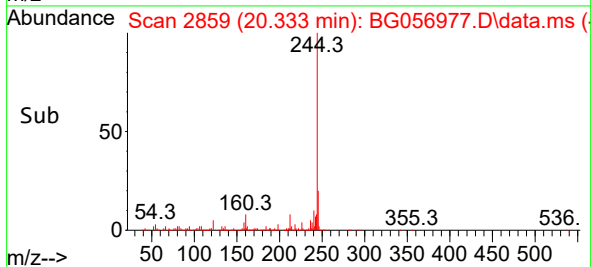
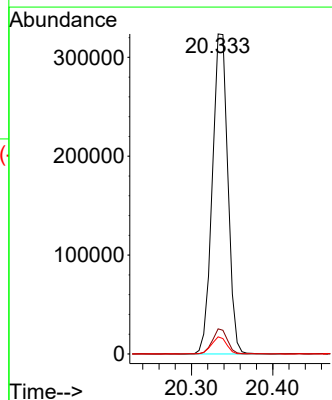
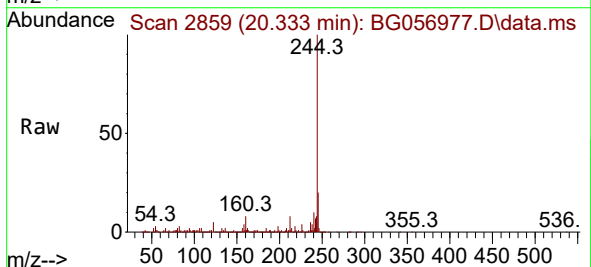
Instrument :
BNA_G
ClientSampleId :
TR-04-040323

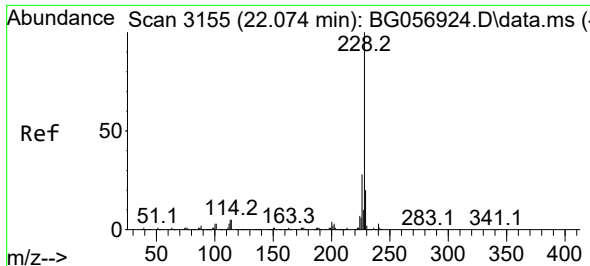
Tgt Ion:202 Resp: 203186
Ion Ratio Lower Upper
202 100
200 21.4 18.7 28.1
203 18.7 15.4 23.2



#79
Terphenyl-d14
Concen: 76.571 ng
RT: 20.333 min Scan# 2859
Delta R.T. -0.008 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

Tgt Ion:244 Resp: 428379
Ion Ratio Lower Upper
244 100
212 7.8 6.1 9.1
122 5.4 5.0 7.4

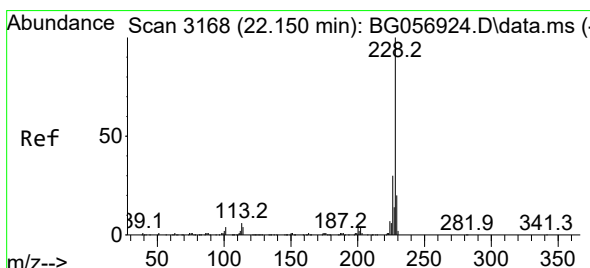
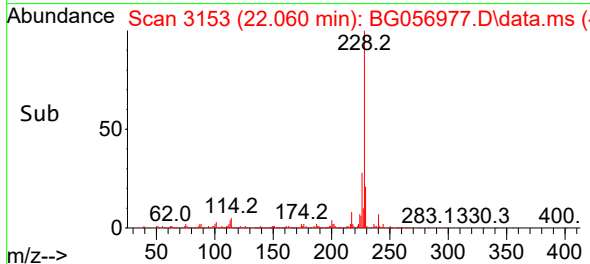
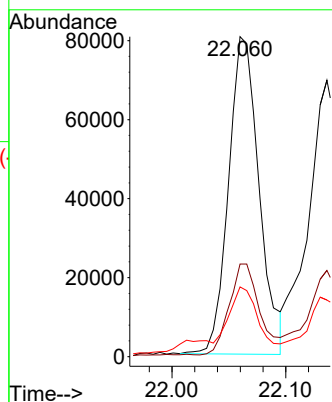
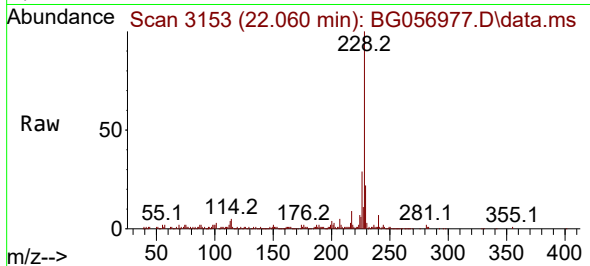




#81
Benzo(a)anthracene
Concen: 22.921 ng
RT: 22.060 min Scan# 3153
Delta R.T. -0.014 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

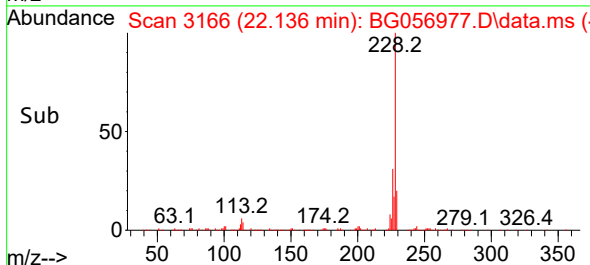
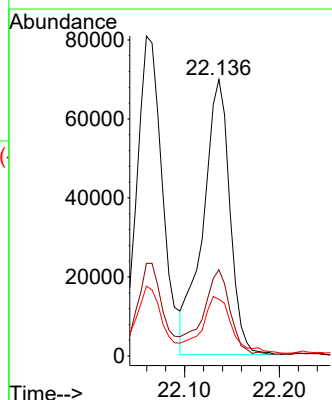
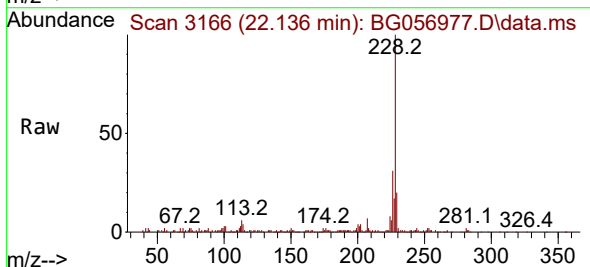
Instrument :
BNA_G
ClientSampleId :
TR-04-040323

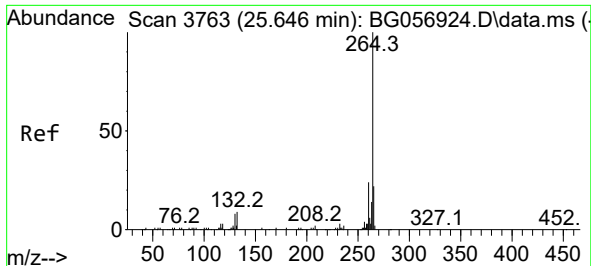
Tgt Ion:228 Resp: 150157
Ion Ratio Lower Upper
228 100
226 28.9 22.1 33.1
229 21.8 16.1 24.1



#83
Chrysene
Concen: 22.412 ng
RT: 22.136 min Scan# 3166
Delta R.T. -0.014 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

Tgt Ion:228 Resp: 137470
Ion Ratio Lower Upper
228 100
226 31.2 24.1 36.1
229 20.5 15.6 23.4

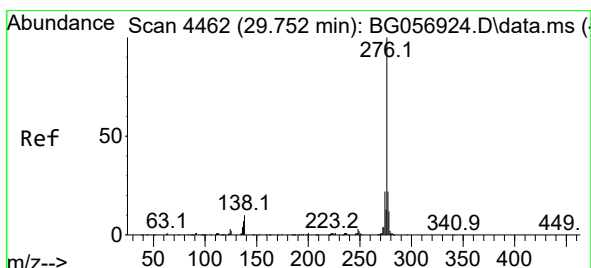
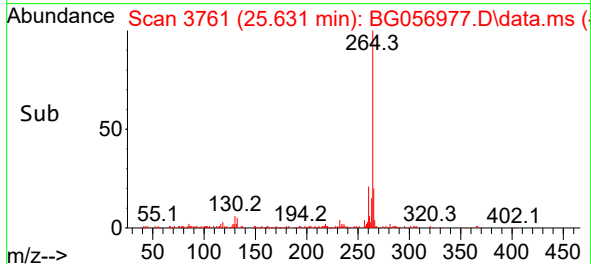
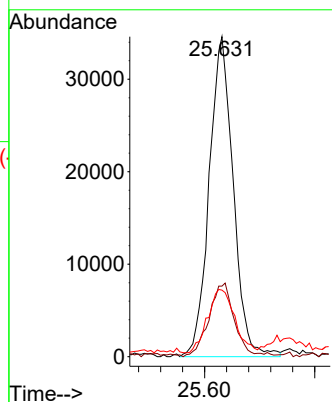
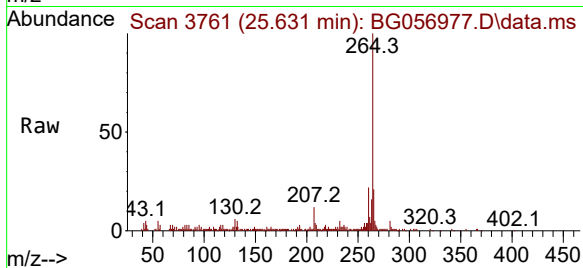




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.631 min Scan# 31
 Delta R.T. -0.014 min
 Lab File: BG056977.D
 Acq: 4 Apr 2023 23:04

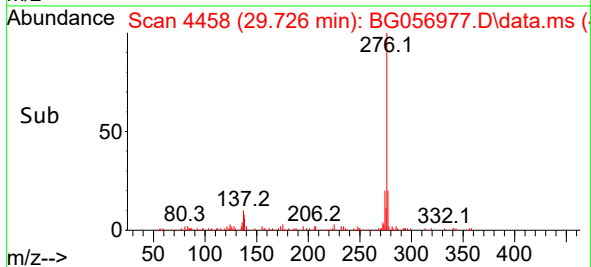
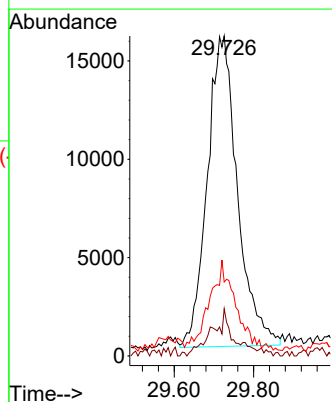
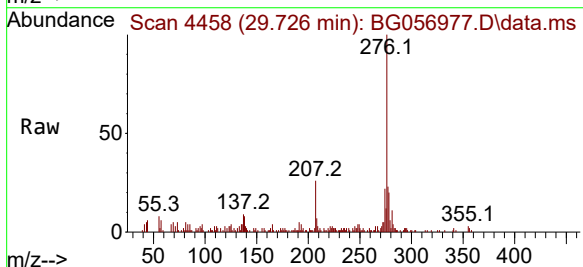
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-040323

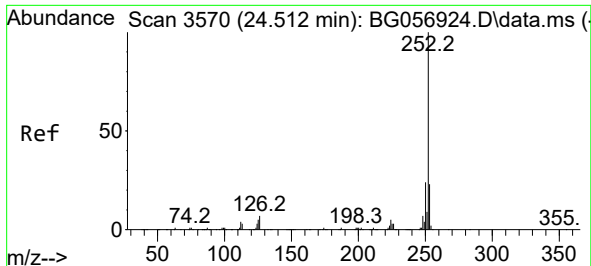
Tgt Ion:264 Resp: 105135
 Ion Ratio Lower Upper
 264 100
 260 22.0 19.0 28.4
 265 20.8 17.8 26.6



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.781 ng
 RT: 29.726 min Scan# 4458
 Delta R.T. -0.026 min
 Lab File: BG056977.D
 Acq: 4 Apr 2023 23:04

Tgt Ion:276 Resp: 83765
 Ion Ratio Lower Upper
 276 100
 138 1.9 7.7 11.5#
 277 23.1 21.0 31.4

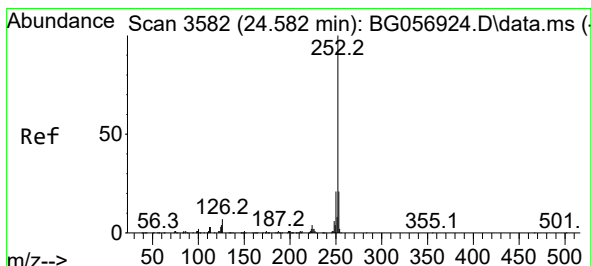
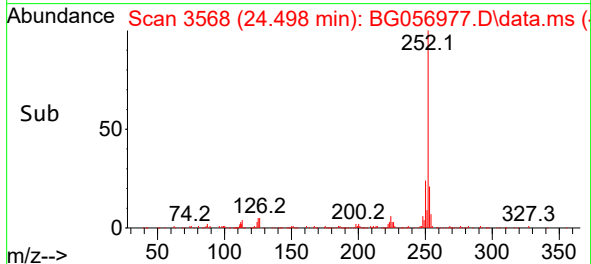
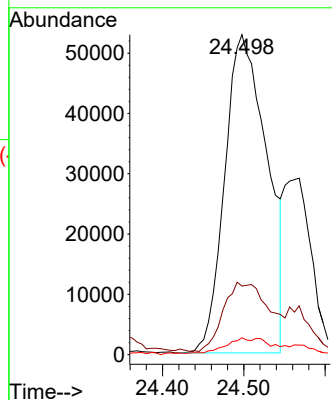
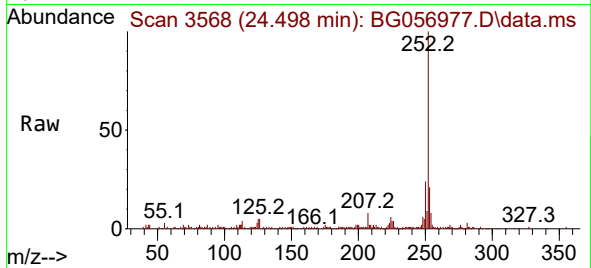




#88
Benzo(b)fluoranthene
Concen: 28.963 ng
RT: 24.498 min Scan# 3568
Delta R.T. -0.014 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

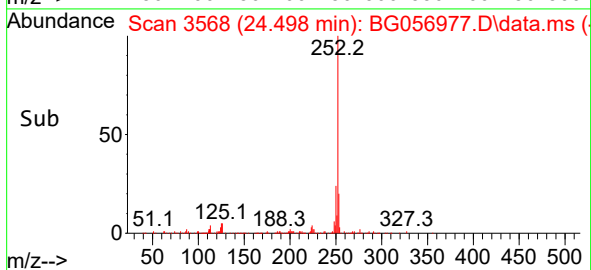
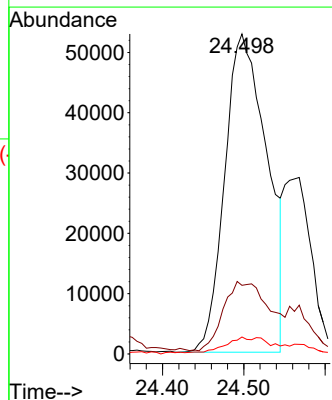
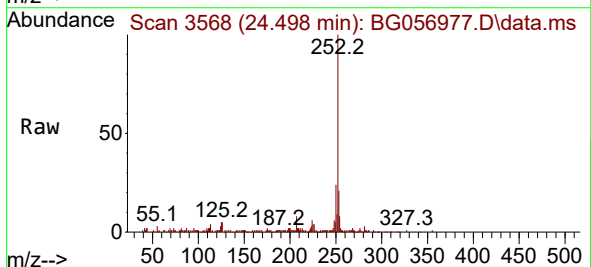
Instrument :
BNA_G
ClientSampleId :
TR-04-040323

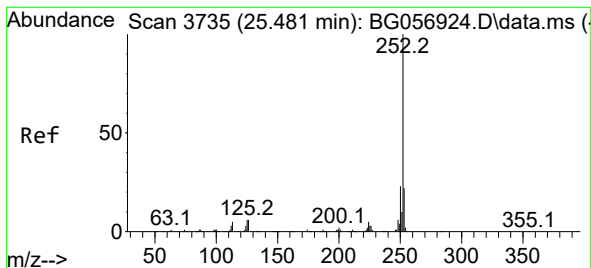
Tgt Ion:252 Resp: 190418
Ion Ratio Lower Upper
252 100
253 21.5 18.1 27.1
125 5.3 4.2 6.4



#89
Benzo(k)fluoranthene
Concen: 29.012 ng
RT: 24.498 min Scan# 3568
Delta R.T. -0.085 min
Lab File: BG056977.D
Acq: 4 Apr 2023 23:04

Tgt Ion:252 Resp: 190418
Ion Ratio Lower Upper
252 100
253 21.5 17.1 25.7
125 5.3 3.8 5.6





#90

Benzo(a)pyrene

Concen: 21.954 ng

RT: 25.461 min Scan# 31

Delta R.T. -0.020 min

Lab File: BG056977.D

Acq: 4 Apr 2023 23:04

Instrument :

BNA_G

ClientSampleId :

TR-04-040323

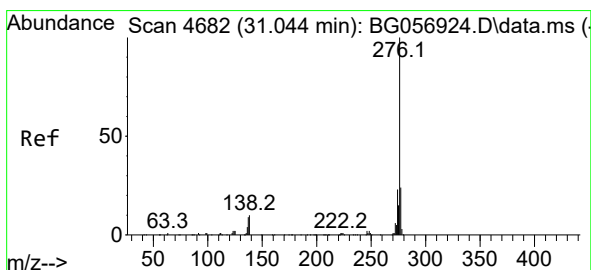
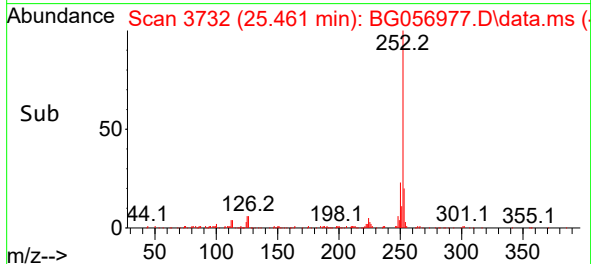
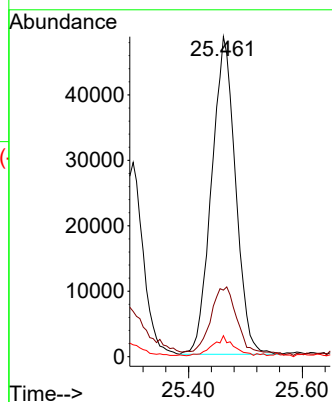
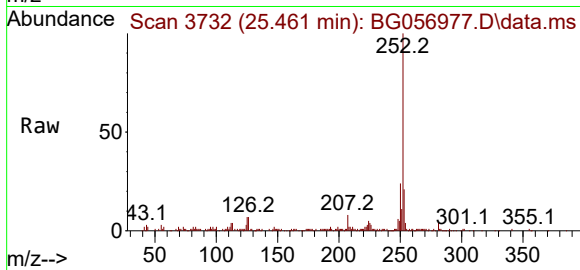
Tgt Ion:252 Resp: 141833

Ion Ratio Lower Upper

252 100

253 20.8 17.6 26.4

125 6.6 4.5 6.7



#92

Benzo(g,h,i)perylene

Concen: 11.577 ng

RT: 31.001 min Scan# 4675

Delta R.T. -0.044 min

Lab File: BG056977.D

Acq: 4 Apr 2023 23:04

Tgt Ion:276 Resp: 72400

Ion Ratio Lower Upper

276 100

277 23.2 19.1 28.7

138 4.7 8.2 12.2#

