

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
 Data File : BG056705.D
 Acq On : 22 Feb 2023 20:02
 Operator : CG/JU
 Sample : 01636-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-022123

Quant Time: Feb 23 01:48:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 23 01:45:41 2023
 Response via : Initial Calibration

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

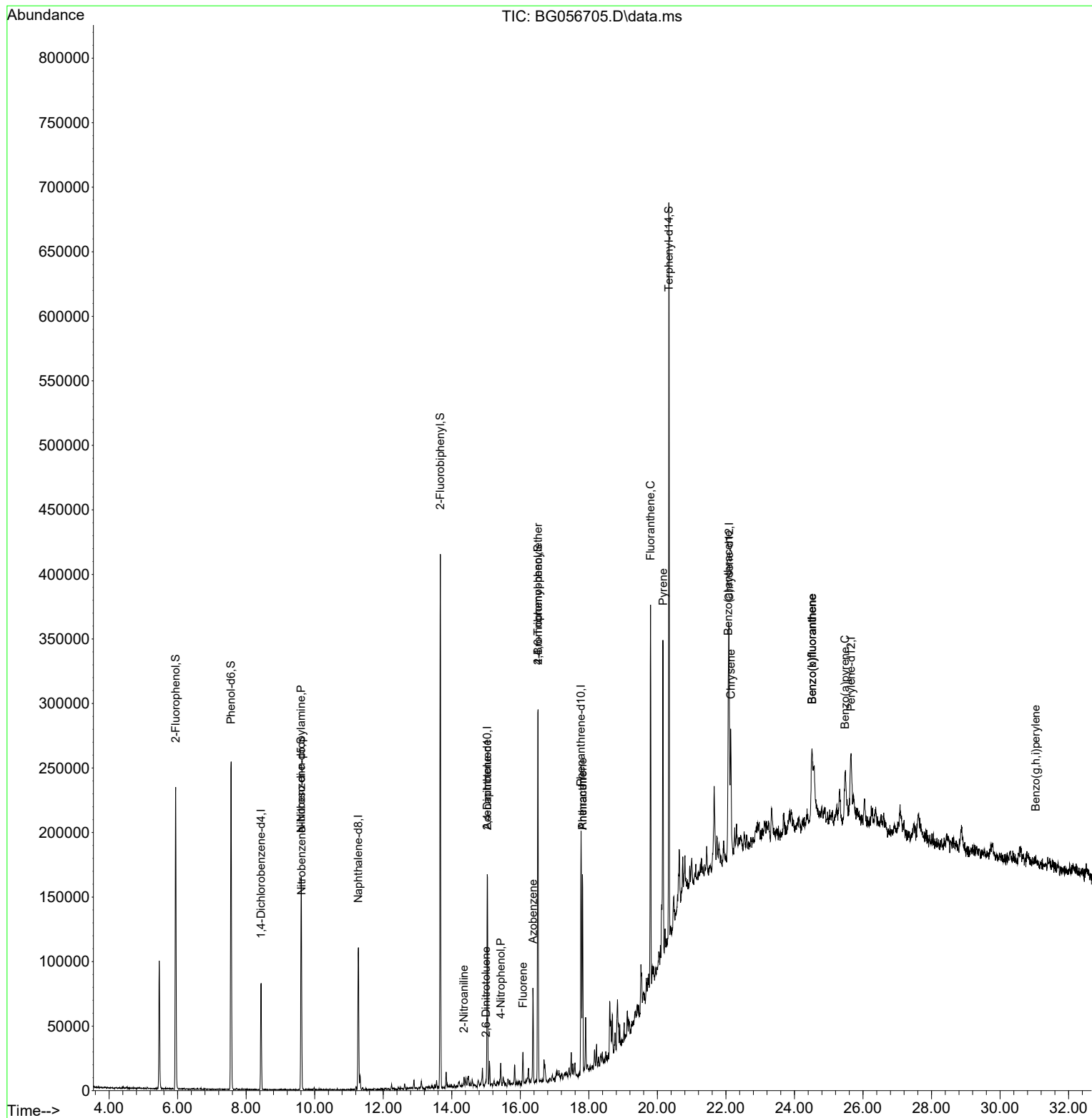
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.437	152	23147	20.000	ng	0.01
21) Naphthalene-d8	11.275	136	91869	20.000	ng	# 0.00
39) Acenaphthene-d10	15.035	164	58231	20.000	ng	0.00
64) Phenanthrene-d10	17.773	188	119544	20.000	ng	0.00
76) Chrysene-d12	22.092	240	96026	20.000	ng	0.00
86) Perylene-d12	25.647	264	69210	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.946	112	106200	74.651	ng	0.01
7) Phenol-d6	7.556	99	149361	71.076	ng	0.00
23) Nitrobenzene-d5	9.607	82	101715	56.689	ng	0.00
42) 2,4,6-Tribromophenol	16.516	330	57713	72.390	ng	0.00
45) 2-Fluorobiphenyl	13.666	172	211456	48.626	ng	0.00
79) Terphenyl-d14	20.335	244	285012	48.561	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.607	70	14855	9.443	ng	# 77
24) Nitrobenzene	9.618	77	361	2.851	ng	# 43
48) 2-Nitroaniline	14.354	65	55	5.295	ng	# 3
51) 2,6-Dinitrotoluene	15.000	165	346	2.970	ng	# 21
56) 4-Nitrophenol	15.429	139	3105	4.337	ng	# 3
57) 2,4-Dinitrotoluene	15.035	165	7887	6.718	ng	# 29
58) Fluorene	16.075	166	11744	2.513	ng	87
63) Azobenzene	16.369	77	21472	4.418	ng	# 1
67) 4-Bromophenyl-phenylether	16.516	248	3969	2.586	ng	# 1
71) Phenanthrene	17.815	178	99901	15.360	ng	99
72) Anthracene	17.815	178	99901	15.012	ng	98
75) Fluoranthene	19.800	202	193943	22.600	ng	98
78) Pyrene	20.165	202	173593	23.937	ng	99
81) Benzo(a)anthracene	22.068	228	94905	13.290	ng	94
83) Chrysene	22.145	228	85616	12.825	ng	# 96
88) Benzo(b)fluoranthene	24.513	252	82597	18.267	ng	# 85
89) Benzo(k)fluoranthene	24.513	252	82597	18.576	ng	# 88
90) Benzo(a)pyrene	25.476	252	59723	13.741	ng	# 93
92) Benzo(g,h,i)perylene	31.040	276	14107	3.216	ng	# 80

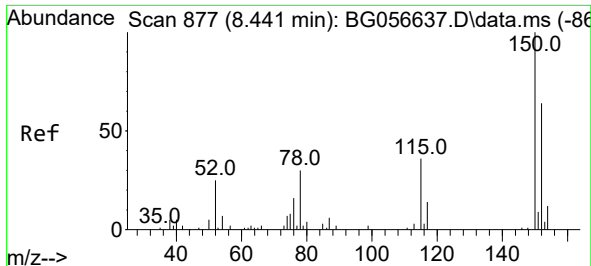
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056705.D
Acq On : 22 Feb 2023 20:02
Operator : CG/JU
Sample : 01636-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-022123

Quant Time: Feb 23 01:48:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 23 01:45:41 2023
Response via : Initial Calibration

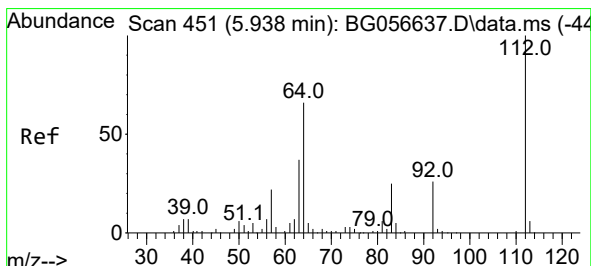
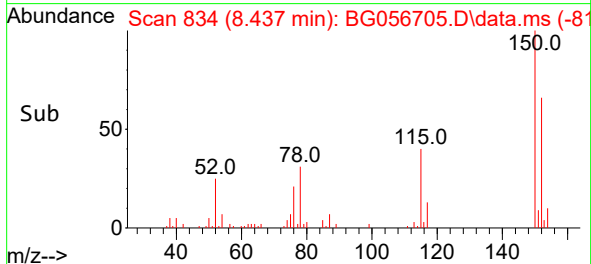
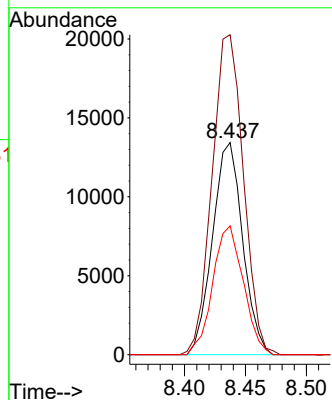
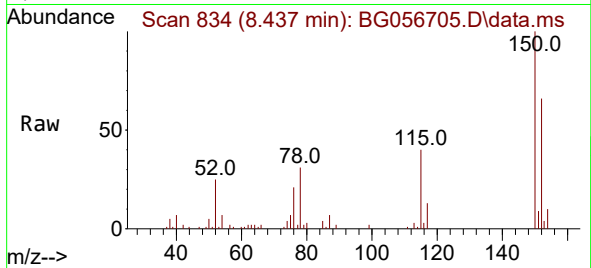




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.437 min Scan# 81
Delta R.T. 0.010 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

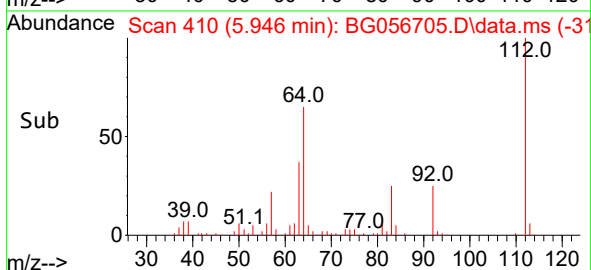
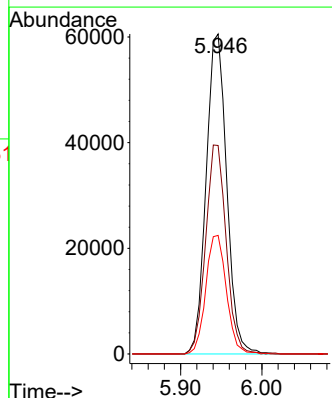
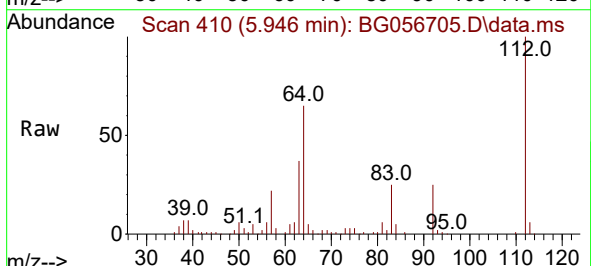
Instrument :
BNA_G
ClientSampleId :
OR-02-022123

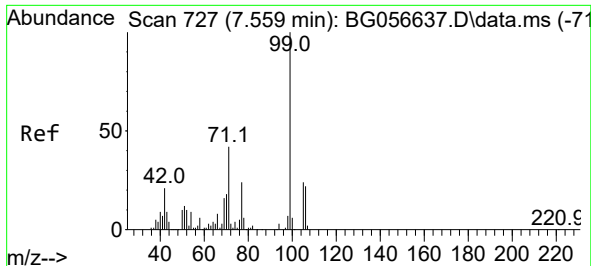
Tgt Ion:152 Resp: 23147
Ion Ratio Lower Upper
152 100
150 150.8 124.8 187.2
115 60.7 44.7 67.1



#5
2-Fluorophenol
Concen: 74.651 ng
RT: 5.946 min Scan# 410
Delta R.T. 0.011 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

Tgt Ion:112 Resp: 106200
Ion Ratio Lower Upper
112 100
64 65.1 52.6 78.8
63 37.0 29.8 44.6

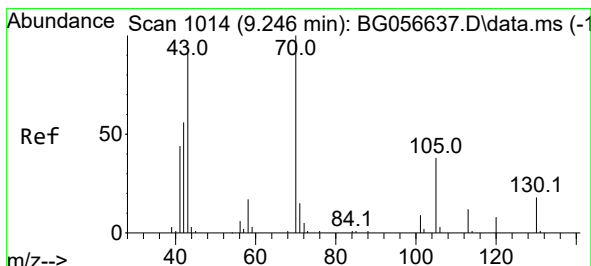
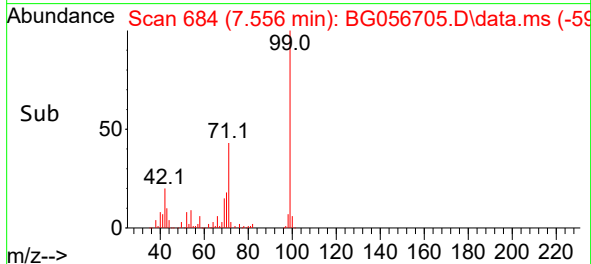
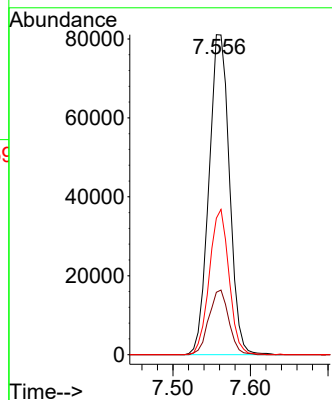
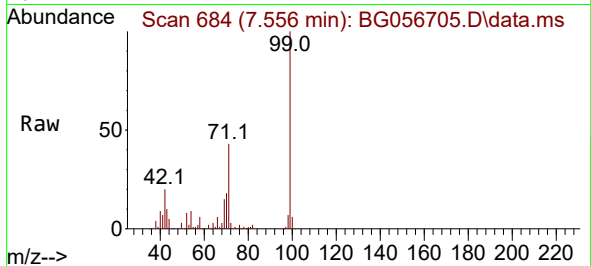




#7
Phenol-d6
Concen: 71.076 ng
RT: 7.556 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

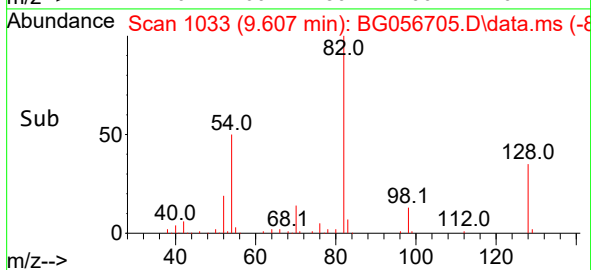
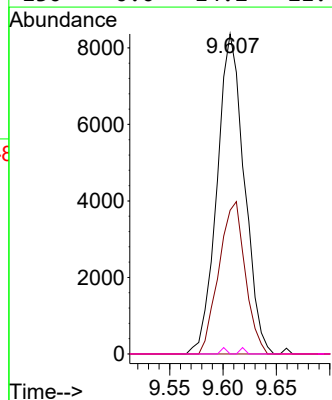
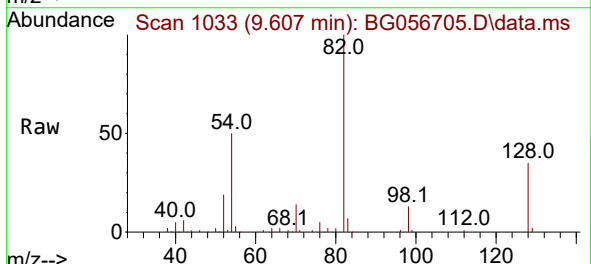
Instrument :
BNA_G
ClientSampleId :
OR-02-022123

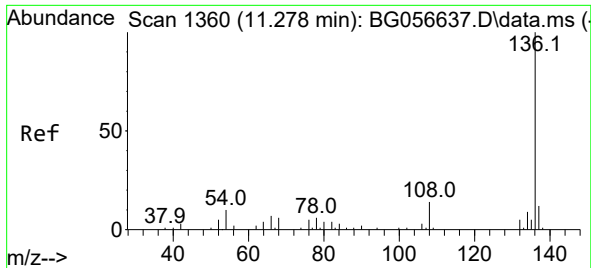
Tgt Ion: 99 Resp: 149361
Ion Ratio Lower Upper
99 100
42 19.5 16.8 25.2
71 42.7 33.9 50.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.443 ng
RT: 9.607 min Scan# 1033
Delta R.T. 0.375 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

Tgt Ion: 70 Resp: 14855
Ion Ratio Lower Upper
70 100
42 44.9 45.7 68.5#
101 0.0 7.4 11.0#
130 0.0 14.2 21.4#

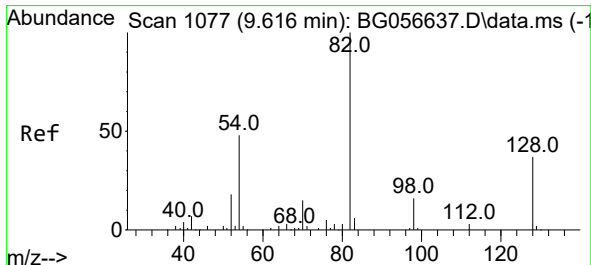
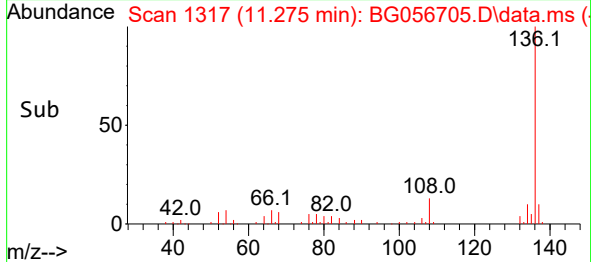
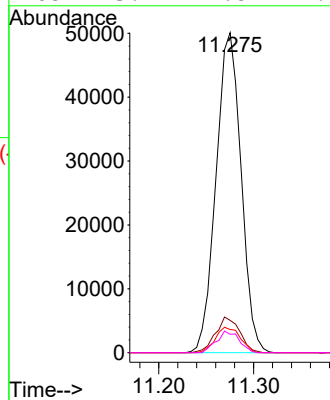
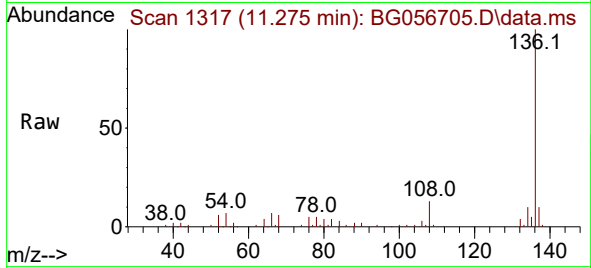




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.275 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

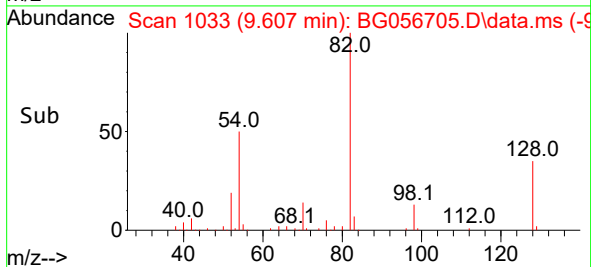
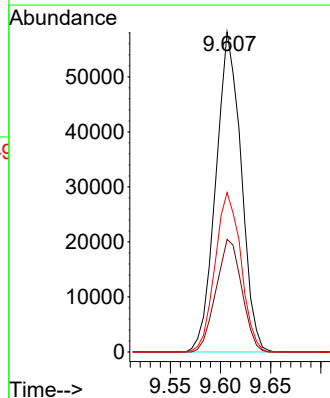
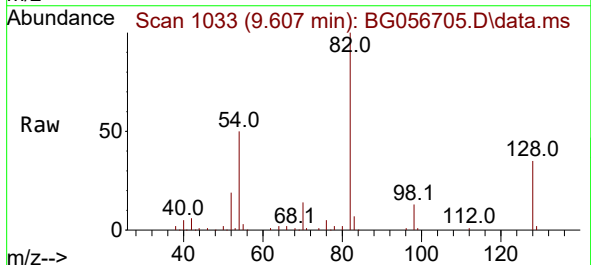
Instrument :
BNA_G
ClientSampleId :
OR-02-022123

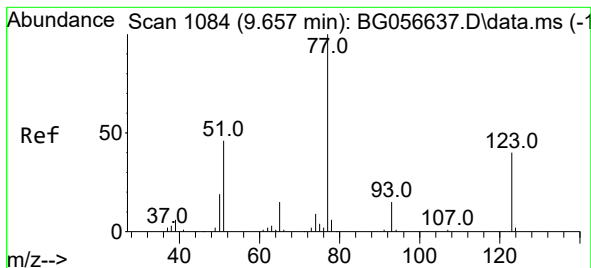
Tgt Ion:136	Resp:	91869
Ion Ratio	Lower	Upper
136	100	
137	10.1	9.7 14.5
54	7.2	7.7 11.5#
68	5.7	4.8 7.2



#23
Nitrobenzene-d5
Concen: 56.689 ng
RT: 9.607 min Scan# 1033
Delta R.T. 0.005 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

Tgt Ion: 82	Resp:	101715
Ion Ratio	Lower	Upper
82	100	
128	35.2	29.4 44.2
54	49.8	37.8 56.6





#24

Nitrobenzene

Concen: 2.851 ng

RT: 9.618 min Scan# 1

Delta R.T. -0.030 min

Lab File: BG056705.D

Acq: 22 Feb 2023 20:02

Instrument :

BNA_G

ClientSampleId :

OR-02-022123

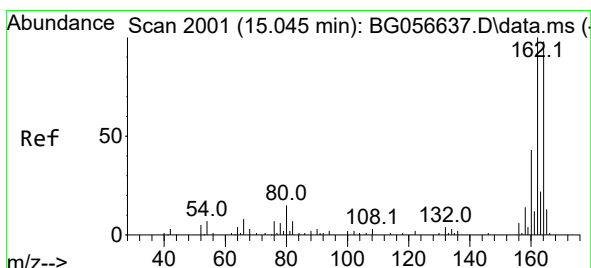
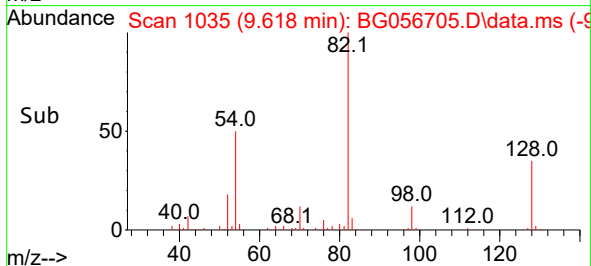
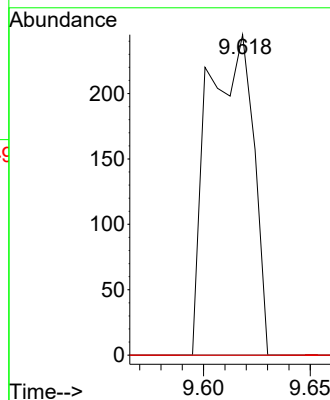
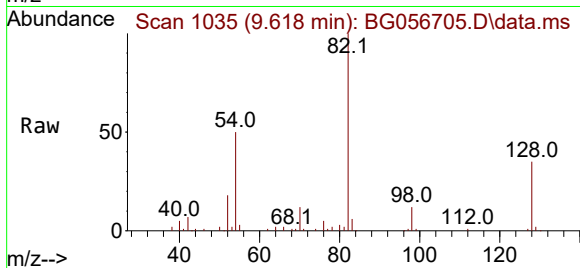
Tgt Ion: 77 Resp: 361

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: 15.035 min Scan# 1957

Delta R.T. -0.001 min

Lab File: BG056705.D

Acq: 22 Feb 2023 20:02

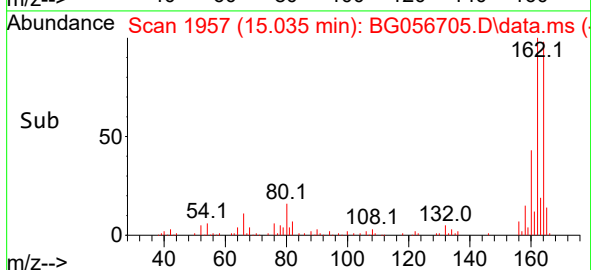
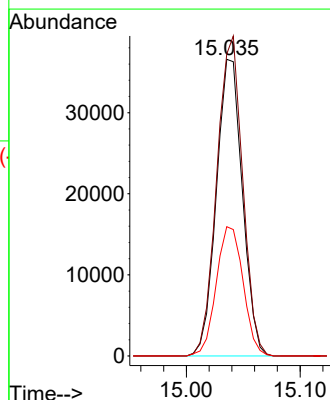
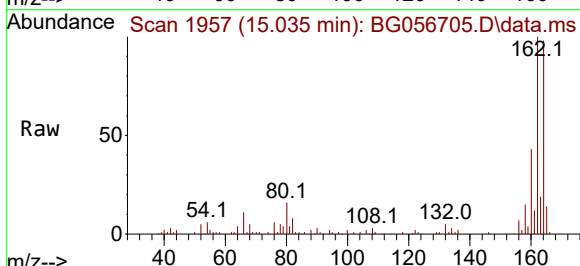
Tgt Ion:164 Resp: 58231

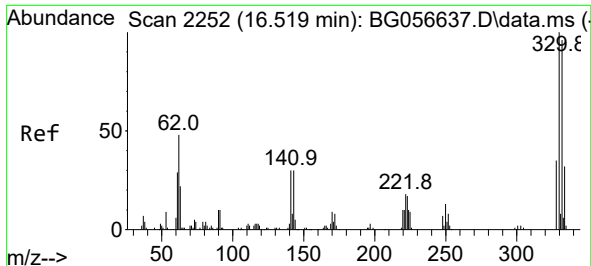
Ion Ratio Lower Upper

164 100

162 101.8 81.3 121.9

160 43.6 35.2 52.8

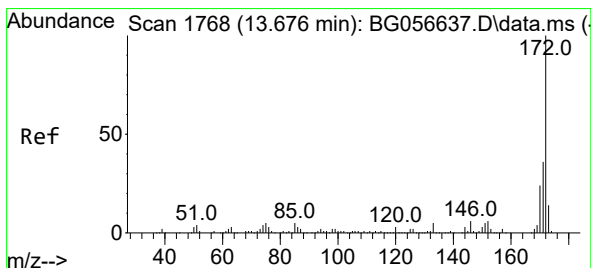
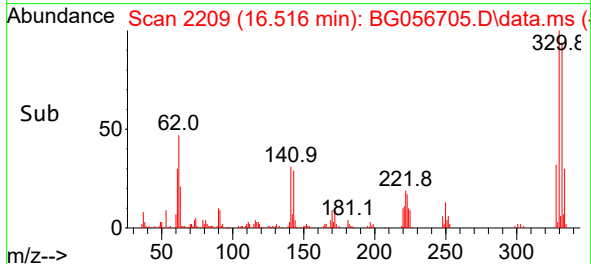
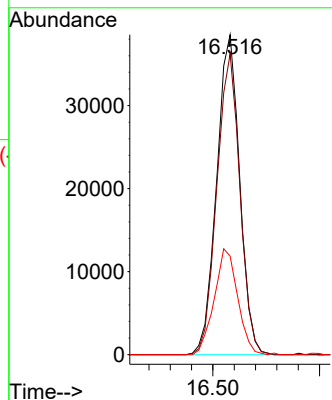
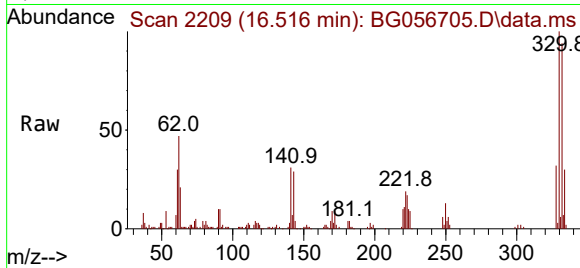




#42
2,4,6-Tribromophenol
Concen: 72.390 ng
RT: 16.516 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

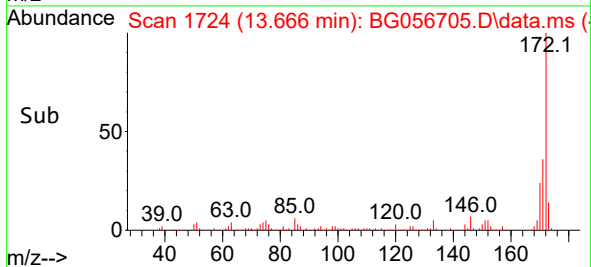
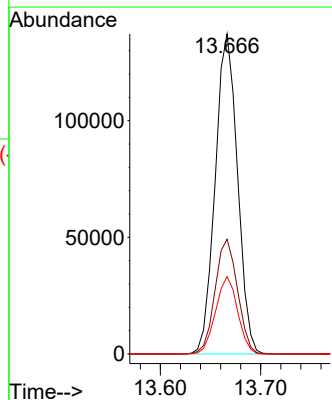
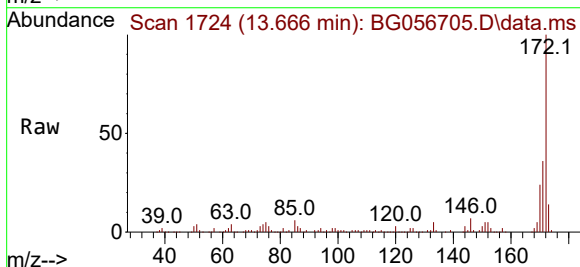
Instrument :
BNA_G
ClientSampleId :
OR-02-022123

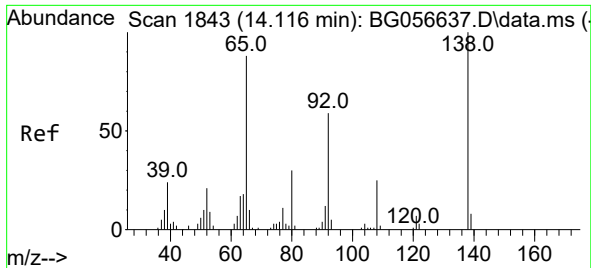
Tgt Ion:330 Resp: 57713
Ion Ratio Lower Upper
330 100
332 93.8 75.7 113.5
141 33.6 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 48.626 ng
RT: 13.666 min Scan# 1724
Delta R.T. -0.001 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

Tgt Ion:172 Resp: 211456
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.2 19.4 29.0

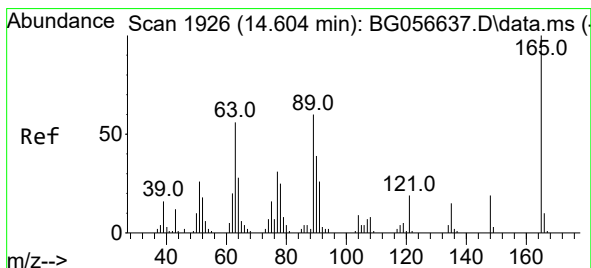
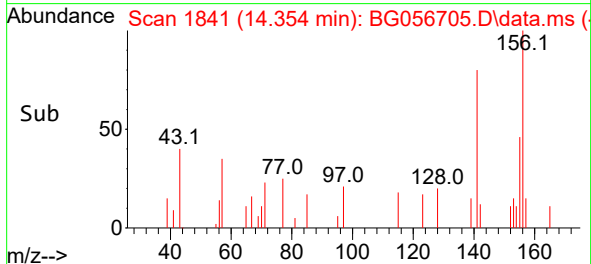
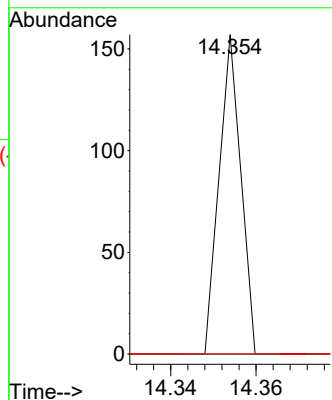
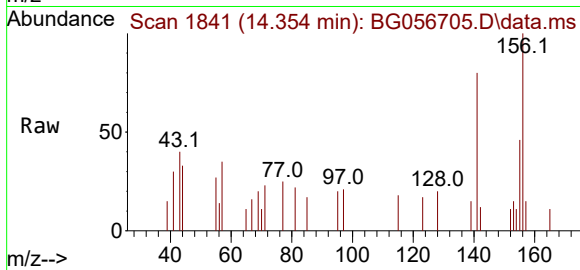




#48
2-Nitroaniline
Concen: 5.295 ng
RT: 14.354 min Scan# 1843
Delta R.T. 0.240 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

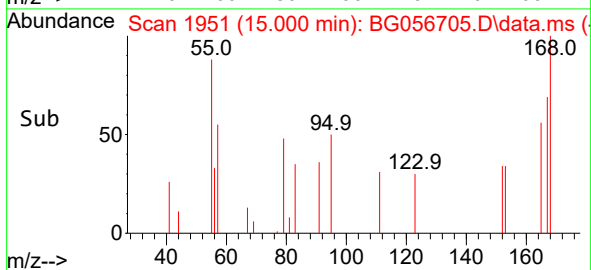
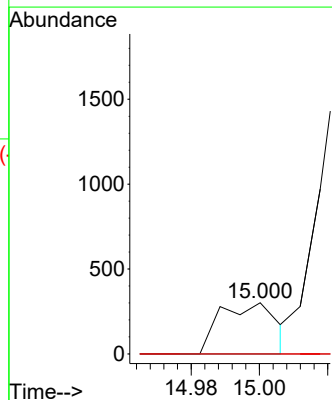
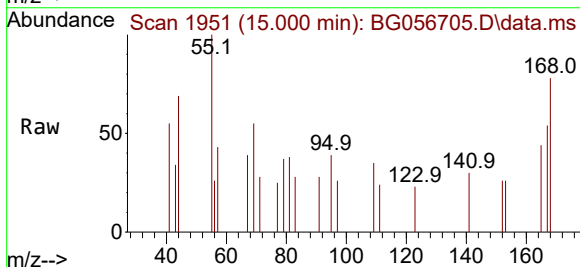
Instrument :
BNA_G
ClientSampleId :
OR-02-022123

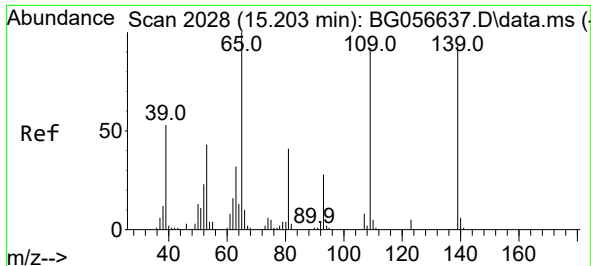
Tgt Ion: 65 Resp: 55
Ion Ratio Lower Upper
65 100
92 0.0 53.8 80.6#
138 0.0 90.6 135.8#



#51
2,6-Dinitrotoluene
Concen: 2.970 ng
RT: 15.000 min Scan# 1951
Delta R.T. 0.404 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

Tgt Ion:165 Resp: 346
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 0.0 48.2 72.2#

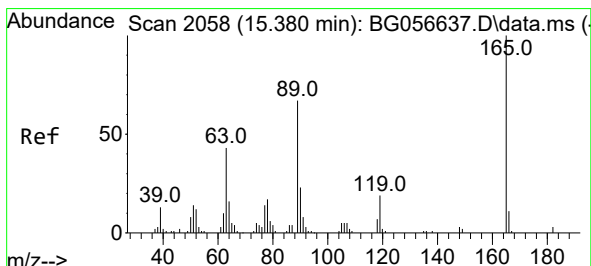
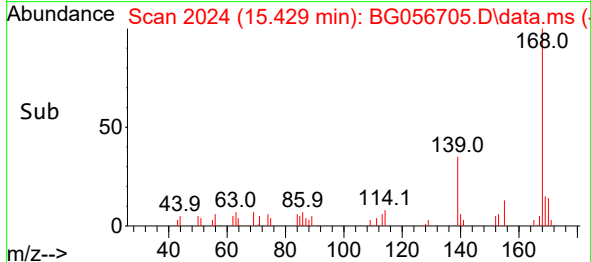
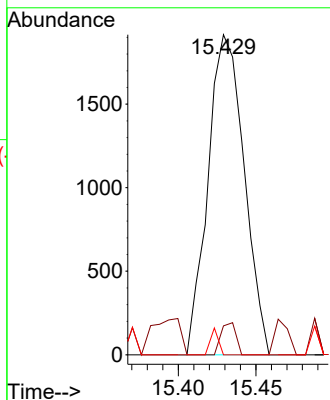
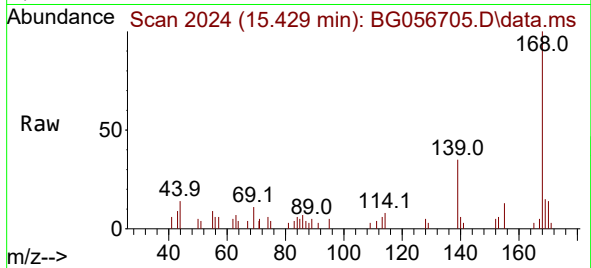




#56
4-Nitrophenol
Concen: 4.337 ng
RT: 15.429 min Scan# 20
Delta R.T. 0.222 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

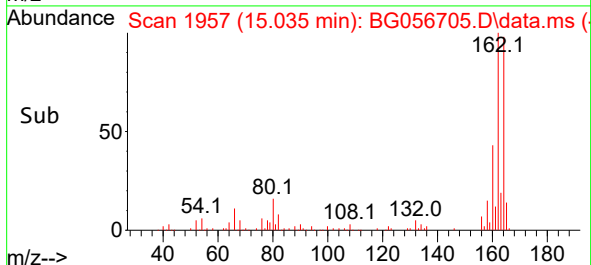
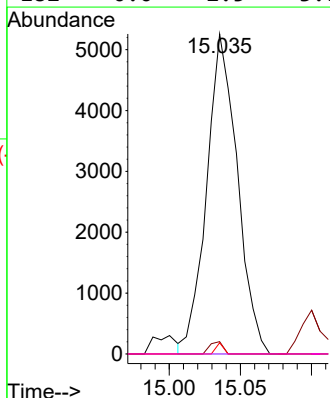
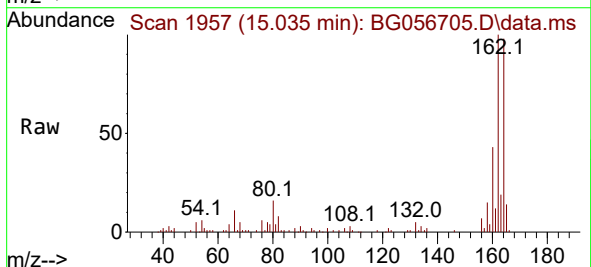
Instrument :
BNA_G
ClientSampleId :
OR-02-022123

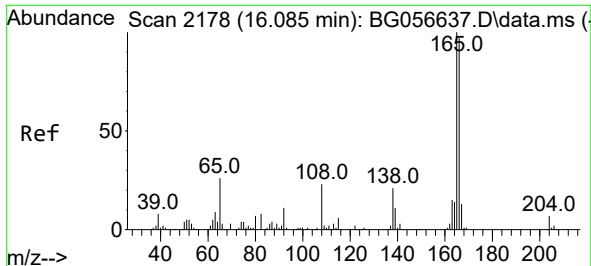
Tgt Ion:139 Resp: 3105
Ion Ratio Lower Upper
139 100
109 9.0 79.3 119.3#
65 0.0 87.6 127.6#



#57
2,4-Dinitrotoluene
Concen: 6.718 ng
RT: 15.035 min Scan# 1957
Delta R.T. -0.342 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

Tgt Ion:165 Resp: 7887
Ion Ratio Lower Upper
165 100
63 3.8 34.6 52.0#
89 3.5 53.8 80.8#
182 0.0 2.5 3.7#

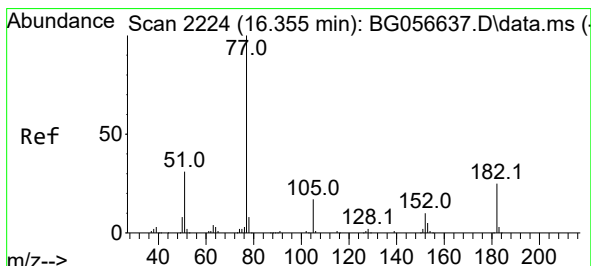
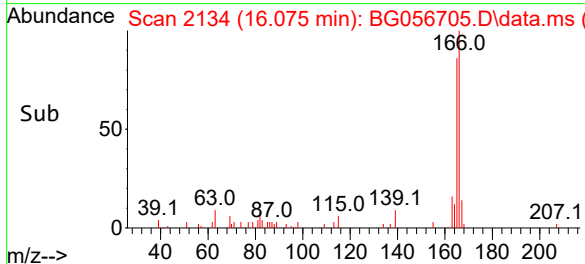
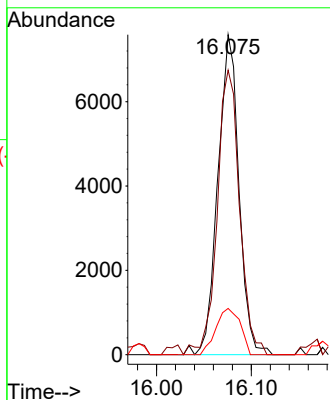
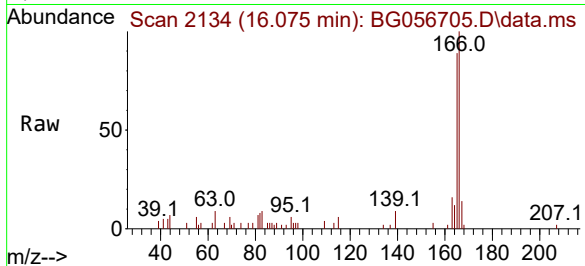




#58
 Fluorene
 Concen: 2.513 ng
 RT: 16.075 min Scan# 2178
 Delta R.T. -0.001 min
 Lab File: BG056705.D
 Acq: 22 Feb 2023 20:02

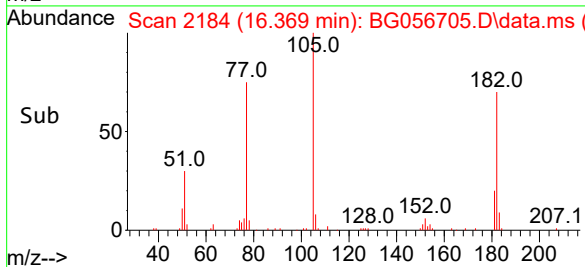
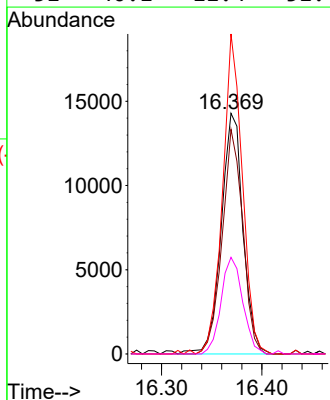
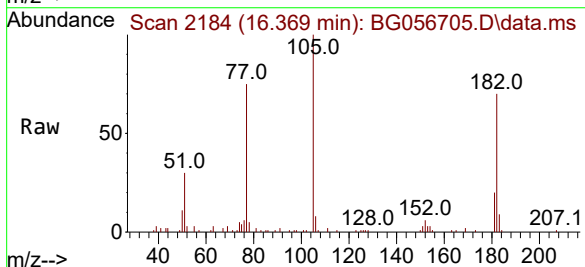
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-022123

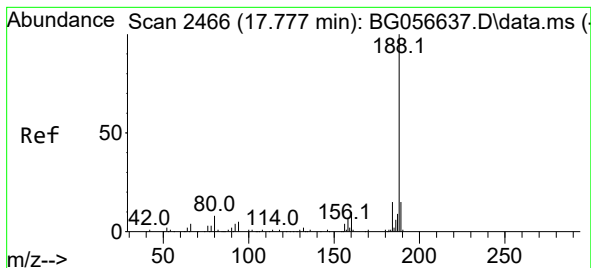
Tgt Ion:166 Resp: 11744
 Ion Ratio Lower Upper
 166 100
 165 88.9 82.9 124.3
 167 14.5 11.1 16.7



#63
 Azobenzene
 Concen: 4.418 ng
 RT: 16.369 min Scan# 2184
 Delta R.T. 0.017 min
 Lab File: BG056705.D
 Acq: 22 Feb 2023 20:02

Tgt Ion: 77 Resp: 21472
 Ion Ratio Lower Upper
 77 100
 182 93.4 5.2 45.2#
 105 133.0 0.0 37.3#
 51 40.1 11.4 51.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.773 min Scan# 2466

Delta R.T. -0.001 min

Lab File: BG056705.D

Acq: 22 Feb 2023 20:02

Instrument :

BNA_G

ClientSampleId :

OR-02-022123

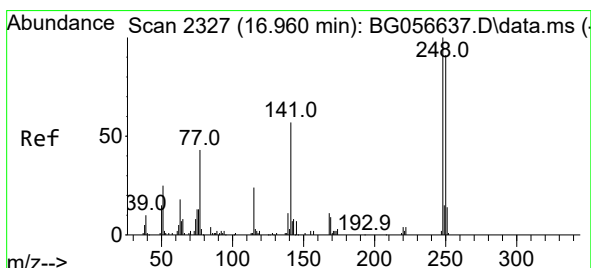
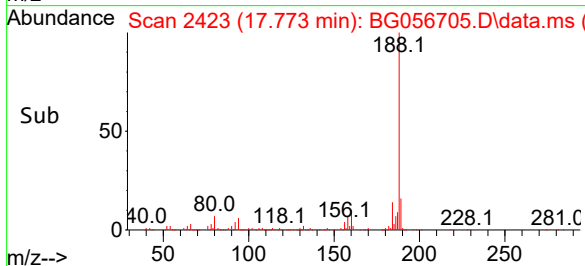
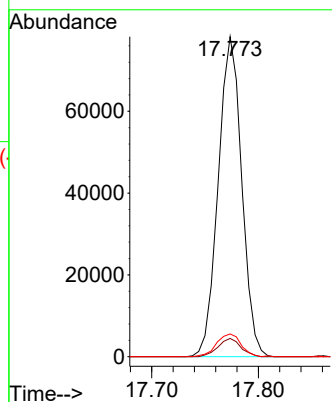
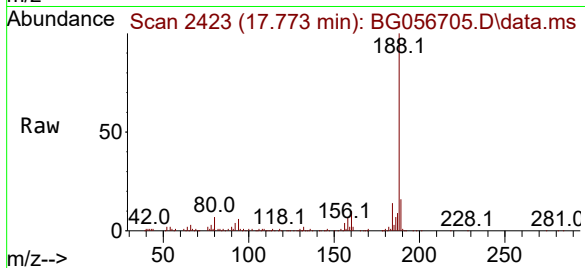
Tgt Ion:188 Resp: 119544

Ion Ratio Lower Upper

188 100

94 5.7 4.0 6.0

80 7.1 6.3 9.5



#67

4-Bromophenyl-phenylether

Concen: 2.586 ng

RT: 16.516 min Scan# 2209

Delta R.T. -0.436 min

Lab File: BG056705.D

Acq: 22 Feb 2023 20:02

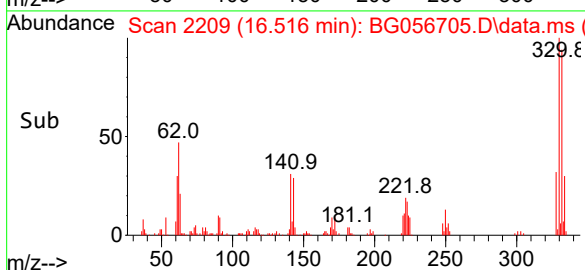
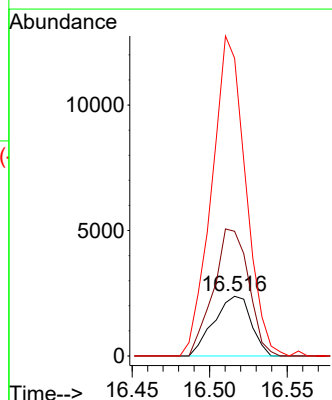
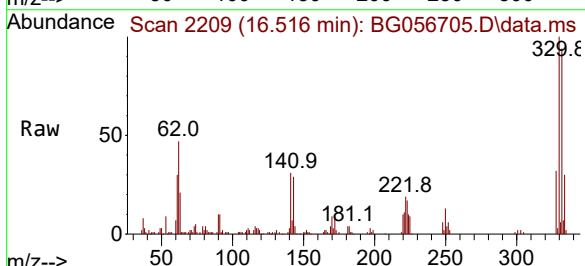
Tgt Ion:248 Resp: 3969

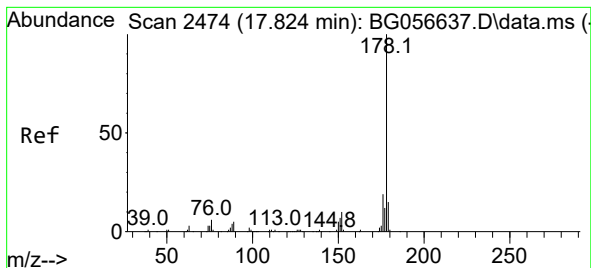
Ion Ratio Lower Upper

248 100

250 208.8 73.0 109.6#

141 498.7 45.6 68.4#





#71

Phenanthrene

Concen: 15.360 ng

RT: 17.815 min Scan# 24

Delta R.T. -0.001 min

Lab File: BG056705.D

Acq: 22 Feb 2023 20:02

Instrument :

BNA_G

ClientSampleId :

OR-02-022123

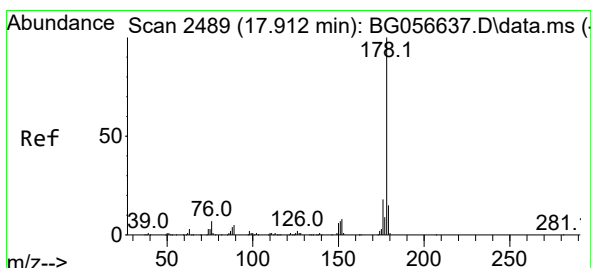
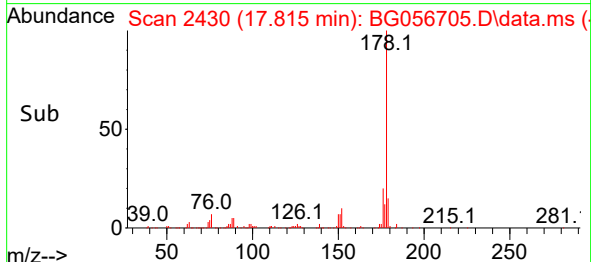
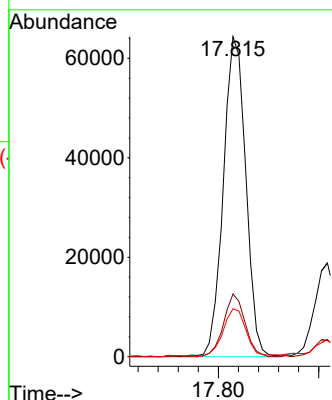
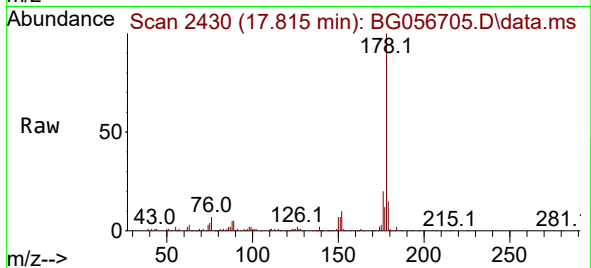
Tgt Ion:178 Resp: 99901

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 15.0 12.2 18.4



#72

Anthracene

Concen: 15.012 ng

RT: 17.815 min Scan# 2430

Delta R.T. -0.089 min

Lab File: BG056705.D

Acq: 22 Feb 2023 20:02

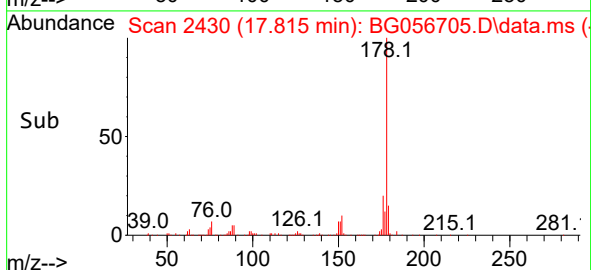
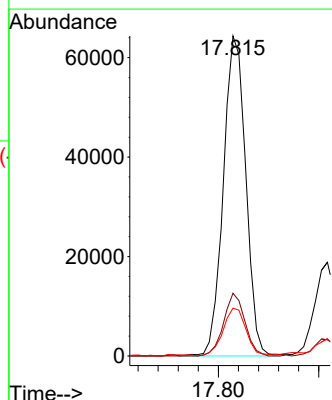
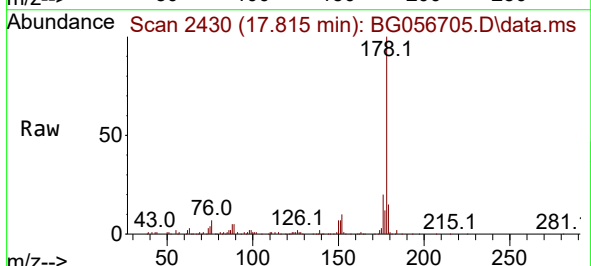
Tgt Ion:178 Resp: 99901

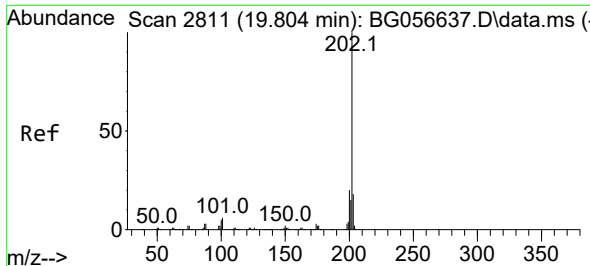
Ion Ratio Lower Upper

178 100

176 19.6 14.3 21.5

179 15.0 12.2 18.4

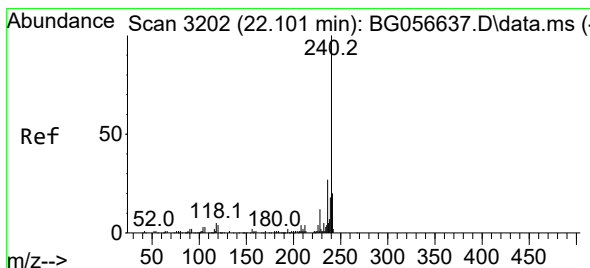
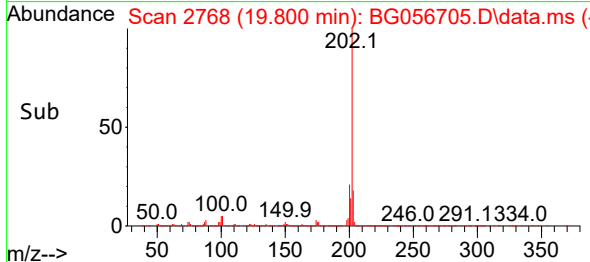
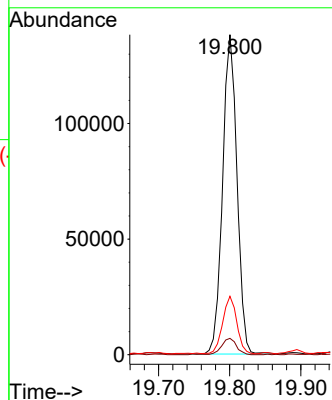
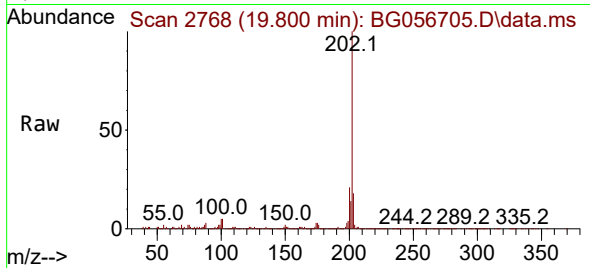




#75
Fluoranthene
Concen: 22.600 ng
RT: 19.800 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

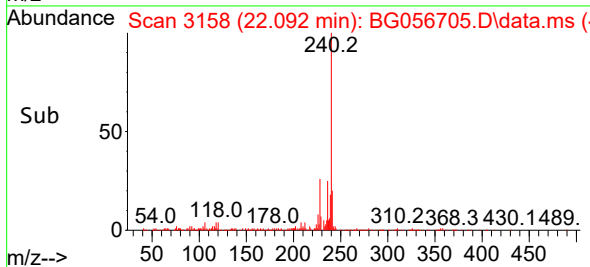
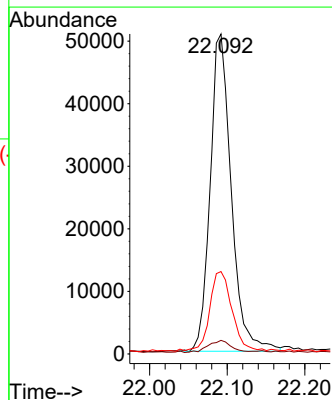
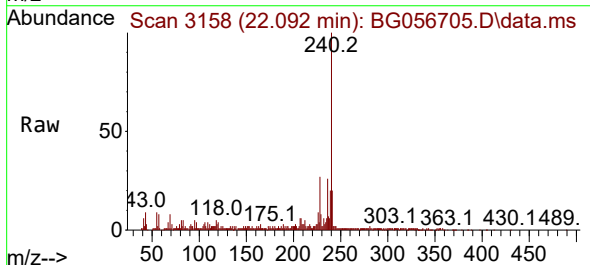
Instrument :
BNA_G
ClientSampleId :
OR-02-022123

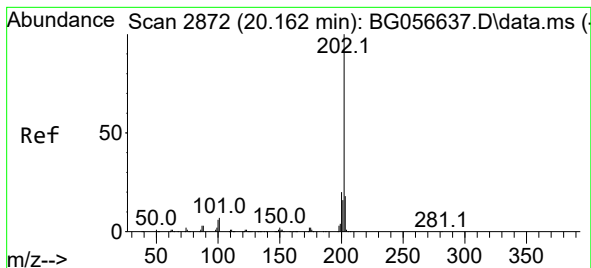
Tgt Ion:202 Resp: 193943
Ion Ratio Lower Upper
202 100
101 5.1 0.0 25.8
203 18.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.092 min Scan# 3158
Delta R.T. 0.005 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

Tgt Ion:240 Resp: 96026
Ion Ratio Lower Upper
240 100
120 4.2 3.5 5.3
236 25.7 21.5 32.3





#78

Pyrene

Concen: 23.937 ng

RT: 20.165 min Scan# 2872

Delta R.T. 0.005 min

Lab File: BG056705.D

Acq: 22 Feb 2023 20:02

Instrument :

BNA_G

ClientSampleId :

OR-02-022123

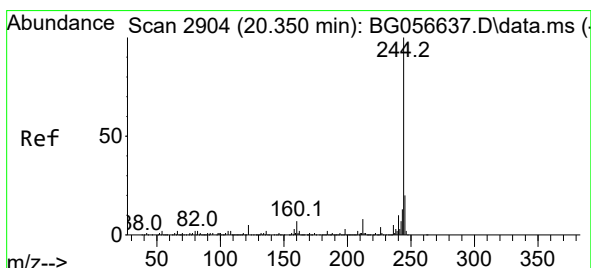
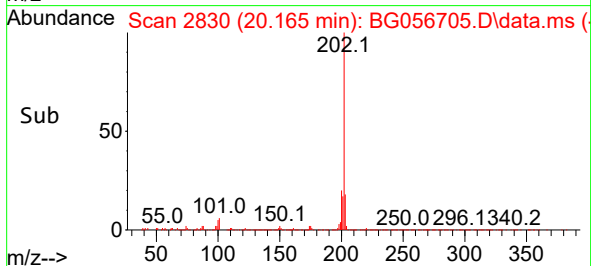
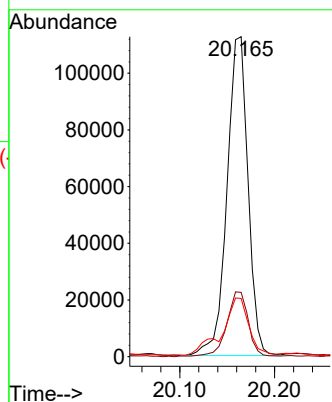
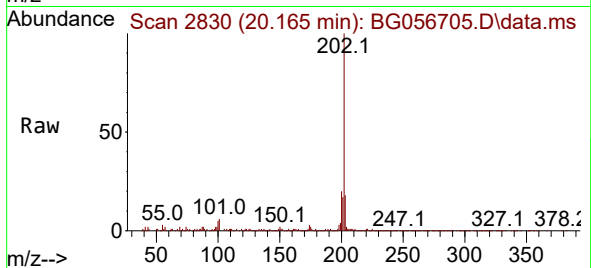
Tgt Ion:202 Resp: 173593

Ion Ratio Lower Upper

202 100

200 20.1 15.8 23.8

203 18.2 14.2 21.4



#79

Terphenyl-d14

Concen: 48.561 ng

RT: 20.335 min Scan# 2859

Delta R.T. -0.001 min

Lab File: BG056705.D

Acq: 22 Feb 2023 20:02

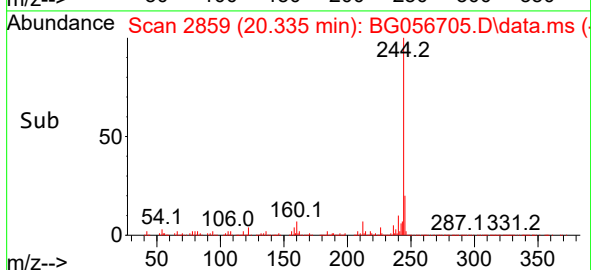
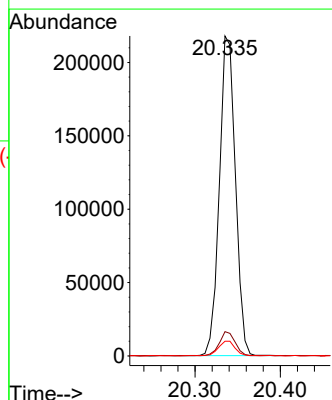
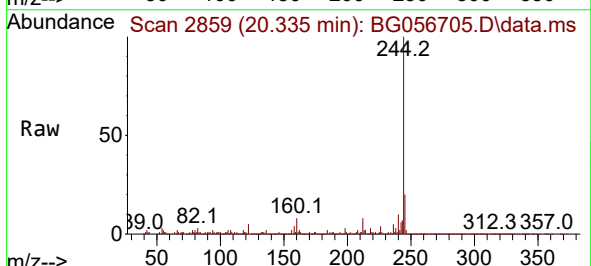
Tgt Ion:244 Resp: 285012

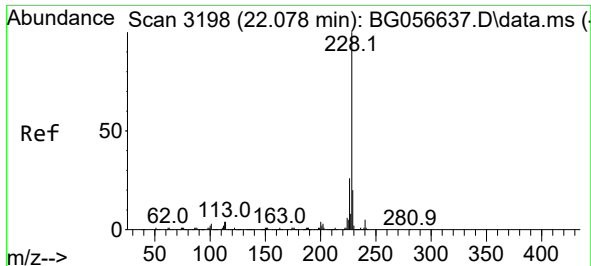
Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 4.6 3.8 5.8

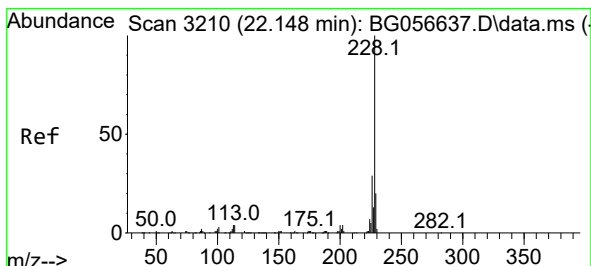
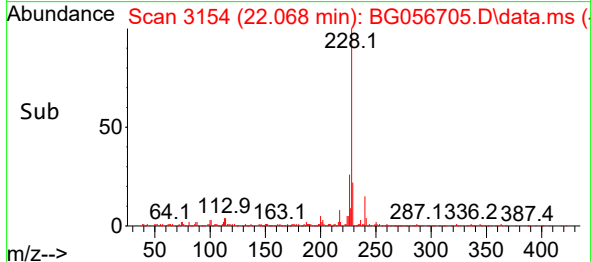
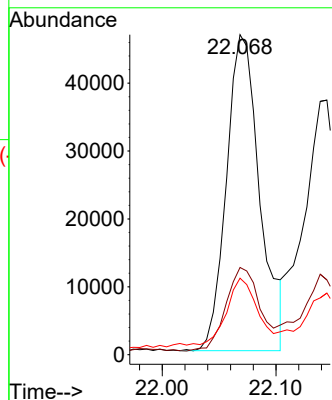
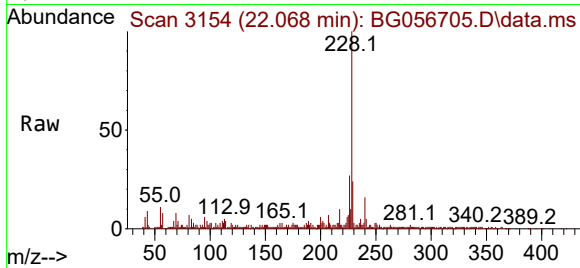




#81
Benzo(a)anthracene
Concen: 13.290 ng
RT: 22.068 min Scan# 3198
Delta R.T. 0.005 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

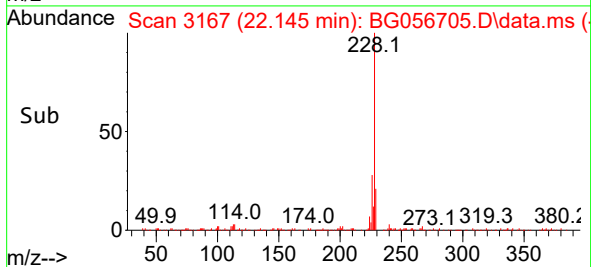
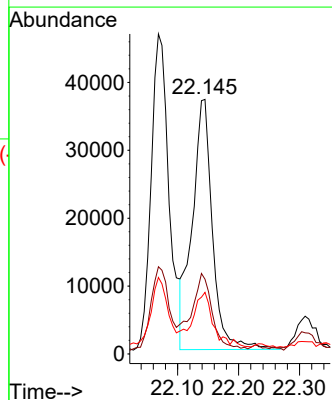
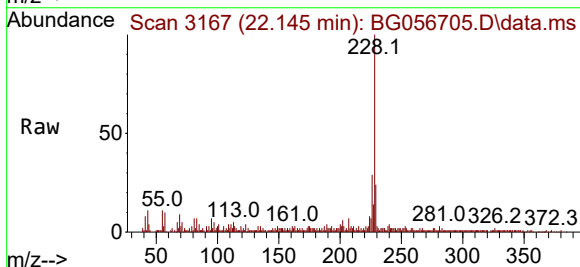
Instrument :
BNA_G
ClientSampleId :
OR-02-022123

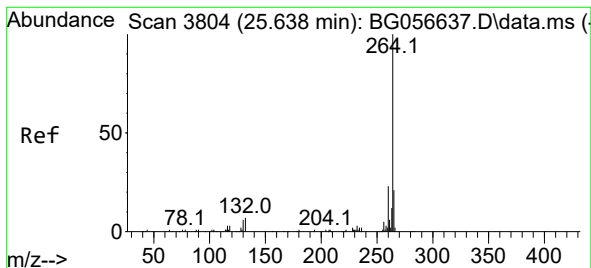
Tgt Ion:228 Resp: 94905
Ion Ratio Lower Upper
228 100
226 27.3 20.4 30.6
229 23.9 16.0 24.0



#83
Chrysene
Concen: 12.825 ng
RT: 22.145 min Scan# 3167
Delta R.T. 0.005 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

Tgt Ion:228 Resp: 85616
Ion Ratio Lower Upper
228 100
226 29.3 23.0 34.6
229 24.2 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.647 min Scan# 3

Delta R.T. 0.023 min

Lab File: BG056705.D

Acq: 22 Feb 2023 20:02

Instrument :

BNA_G

ClientSampleId :

OR-02-022123

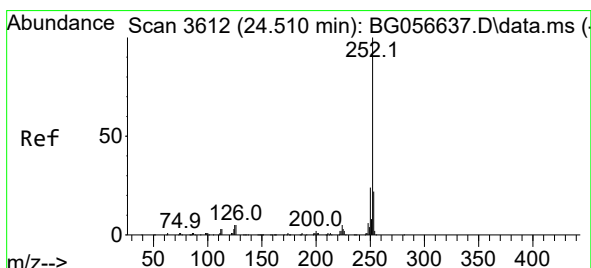
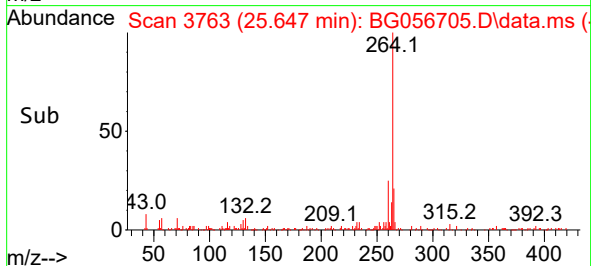
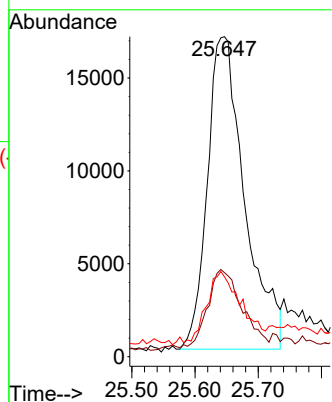
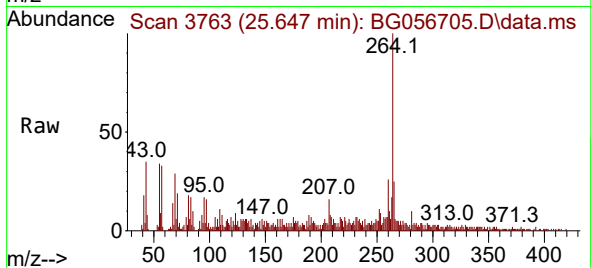
Tgt Ion:264 Resp: 69210

Ion Ratio Lower Upper

264 100

260 26.2 18.6 27.8

265 25.0 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 18.267 ng

RT: 24.513 min Scan# 3570

Delta R.T. 0.017 min

Lab File: BG056705.D

Acq: 22 Feb 2023 20:02

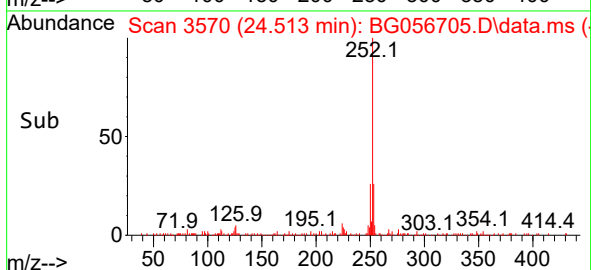
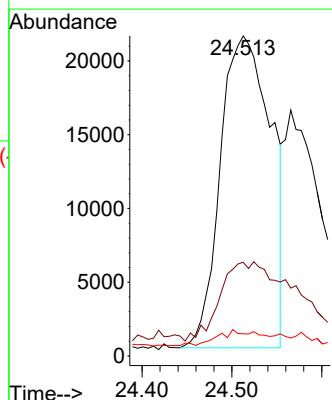
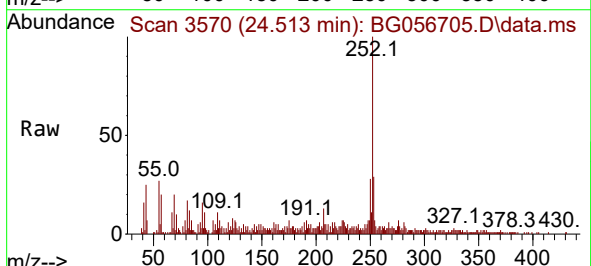
Tgt Ion:252 Resp: 82597

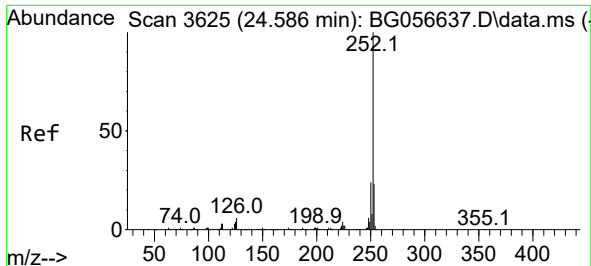
Ion Ratio Lower Upper

252 100

253 29.3 17.3 25.9#

125 7.0 3.7 5.5#

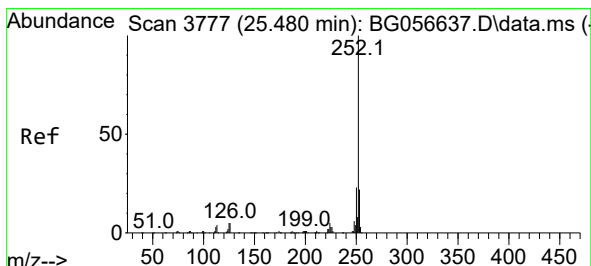
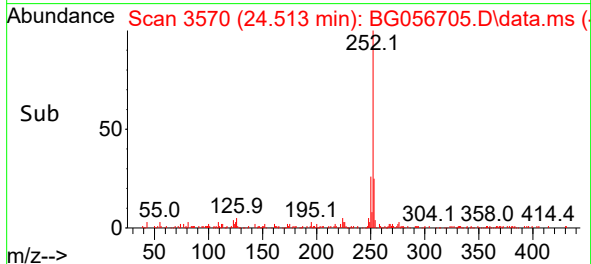
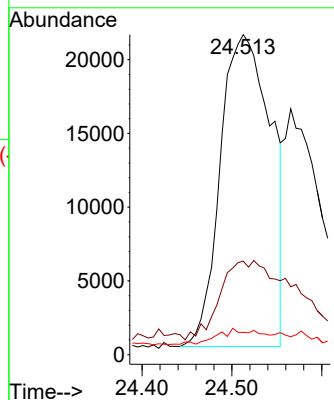
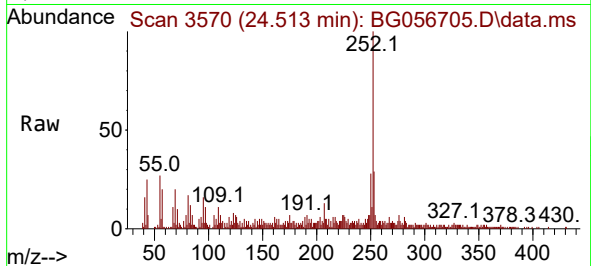




#89
Benzo(k)fluoranthene
Concen: 18.576 ng
RT: 24.513 min Scan# 31
Delta R.T. -0.060 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

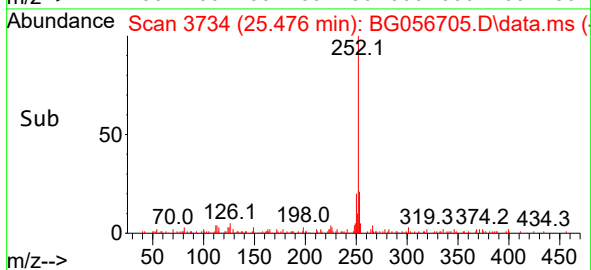
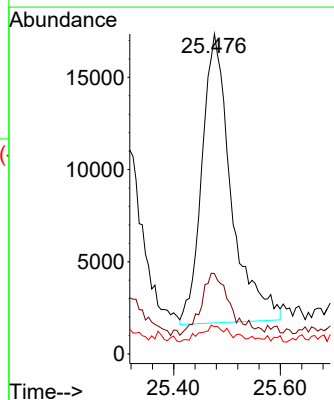
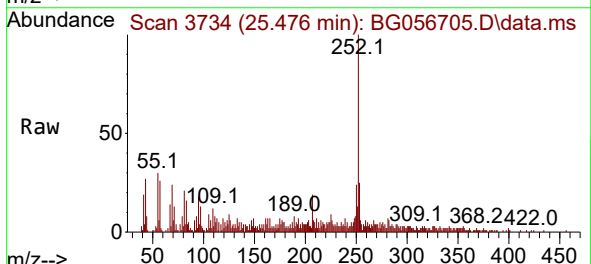
Instrument :
BNA_G
ClientSampleId :
OR-02-022123

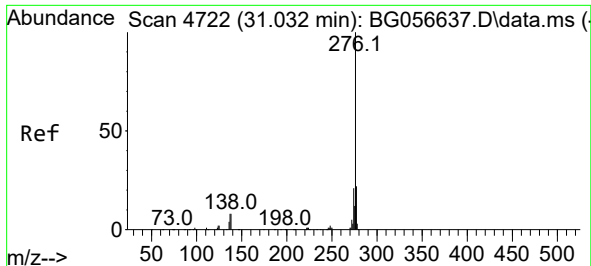
Tgt Ion:252 Resp: 82597
Ion Ratio Lower Upper
252 100
253 29.3 18.5 27.7#
125 7.0 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 13.741 ng
RT: 25.476 min Scan# 3734
Delta R.T. 0.017 min
Lab File: BG056705.D
Acq: 22 Feb 2023 20:02

Tgt Ion:252 Resp: 59723
Ion Ratio Lower Upper
252 100
253 25.1 17.9 26.9
125 8.6 4.0 6.0#





#92

Benzo(g,h,i)perylene

Concen: 3.216 ng

RT: 31.040 min Scan# 4

Delta R.T. 0.034 min

Lab File: BG056705.D

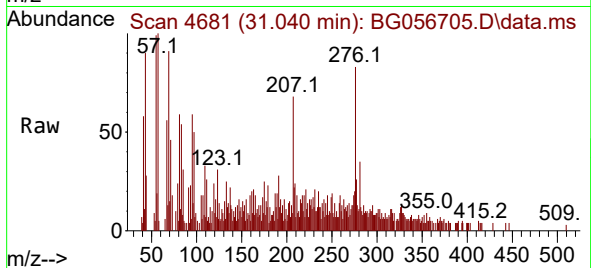
Acq: 22 Feb 2023 20:02

Instrument :

BNA_G

ClientSampleId :

OR-02-022123



Tgt Ion:276 Resp: 14107

Ion Ratio Lower Upper

276 100

277 31.7 17.5 26.3#

138 15.2 6.4 9.6#

