

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
 Data File : BG056628.D
 Acq On : 13 Feb 2023 20:50
 Operator : CG/JU
 Sample : 01510-07DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 02:09:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 22:46:08 2023
 Response via : Initial Calibration

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

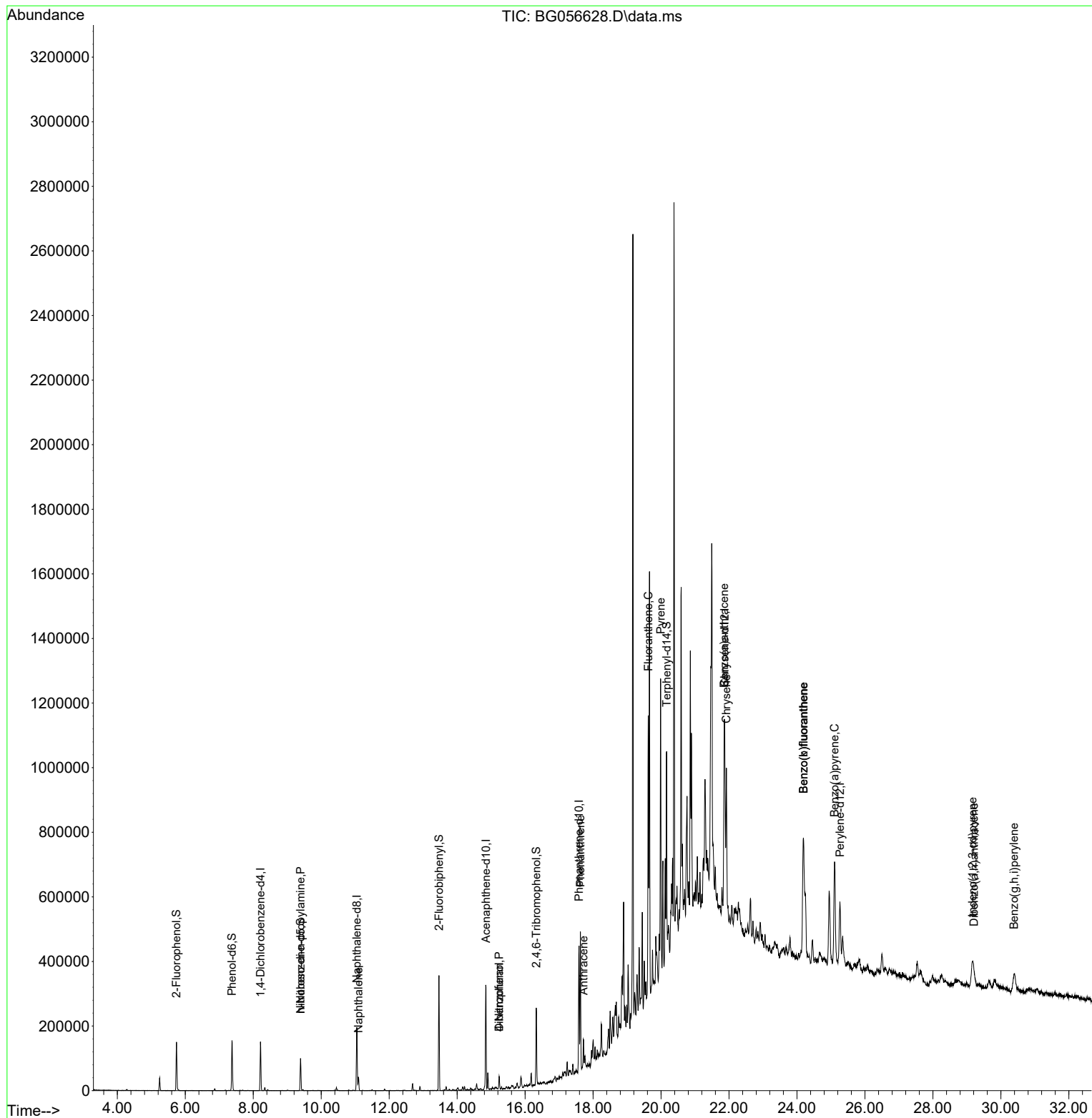
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.214	152	50148	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	183948	20.000	ng	0.00
39) Acenaphthene-d10	14.847	164	125478	20.000	ng	0.00
64) Phenanthrene-d10	17.585	188	275067	20.000	ng	0.00
76) Chrysene-d12	21.874	240	256873	20.000	ng	0.01
86) Perylene-d12	25.264	264	270367	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.740	112	92995	34.113	ng	0.01
7) Phenol-d6	7.373	99	122549	30.341	ng	0.00
23) Nitrobenzene-d5	9.389	82	67861	20.949	ng	0.00
42) 2,4,6-Tribromophenol	16.334	330	49568	29.714	ng	0.00
45) 2-Fluorobiphenyl	13.466	172	206964	22.868	ng	0.00
79) Terphenyl-d14	20.164	244	292389	19.992	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.389	70	9050	3.888	ng	# 72
31) Naphthalene	11.098	128	36904	3.801	ng	97
55) Dibenzofuran	15.235	168	25753	2.092	ng	98
56) 4-Nitrophenol	15.235	139	8051	5.490	ng	# 14
71) Phenanthrene	17.626	178	273400	18.991	ng	98
72) Anthracene	17.714	178	69581	4.708	ng	96
75) Fluoranthene	19.624	202	549614	30.248	ng	100
78) Pyrene	19.988	202	577213	31.595	ng	99
81) Benzo(a)anthracene	21.856	228	371068	20.663	ng	99
83) Chrysene	21.921	228	378966	22.462	ng	97
87) Indeno(1,2,3-cd)pyrene	29.166	276	193676	9.786	ng	# 92
88) Benzo(b)fluoranthene	24.189	252	575535	34.296	ng	97
89) Benzo(k)fluoranthene	24.189	252	575535	33.969	ng	95
90) Benzo(a)pyrene	25.106	252	440566	26.651	ng	99
91) Dibenzo(a,h)anthracene	29.213	278	55283	3.328	ng	# 82
92) Benzo(g,h,i)perylene	30.388	276	167386	10.442	ng	# 95

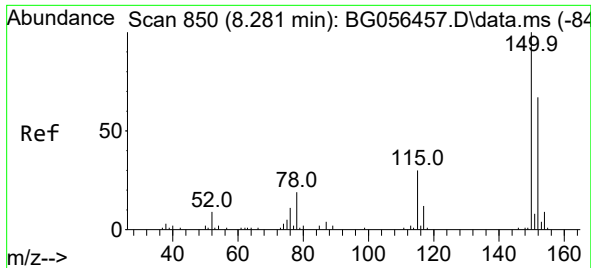
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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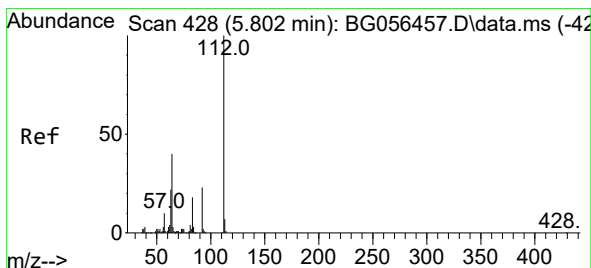
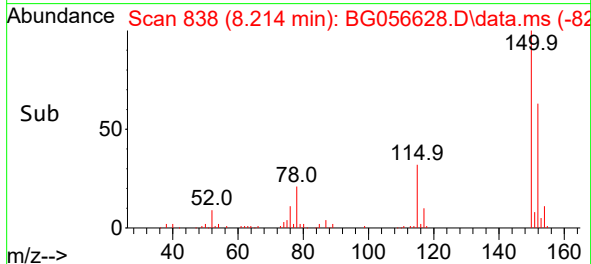
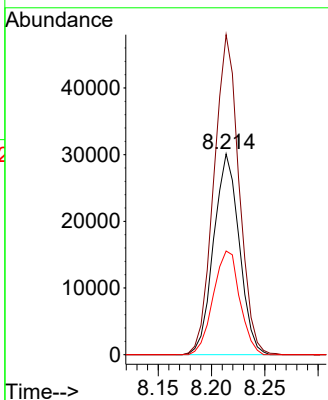
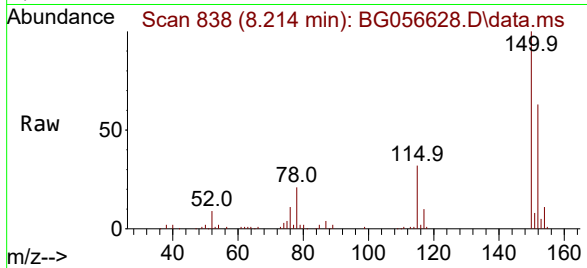




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.214 min Scan# 81
Delta R.T. 0.007 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

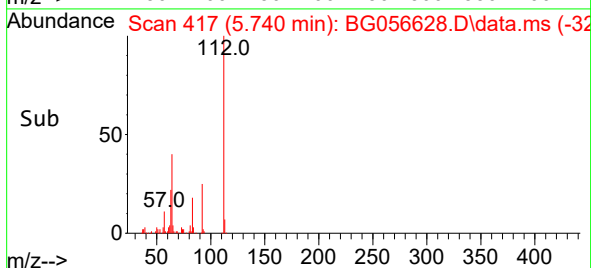
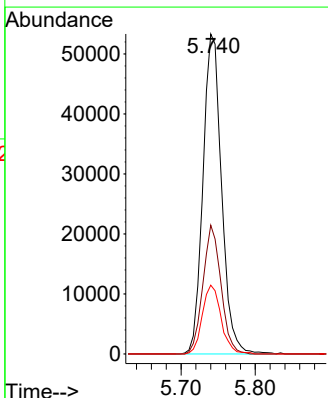
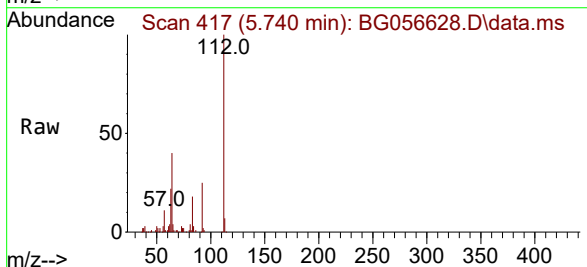
Instrument :
BNA_G
ClientSampleId :

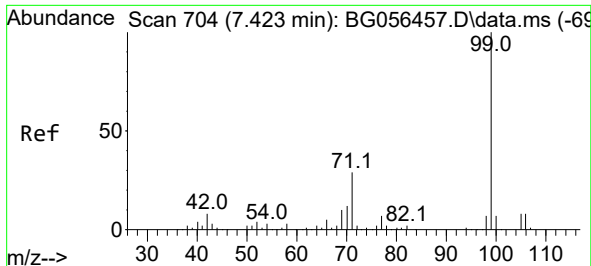
Tgt Ion:152 Resp: 50148
Ion Ratio Lower Upper
152 100
150 159.3 120.2 180.4
115 51.7 36.3 54.5



#5
2-Fluorophenol
Concen: 34.113 ng
RT: 5.740 min Scan# 417
Delta R.T. 0.012 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Tgt Ion:112 Resp: 92995
Ion Ratio Lower Upper
112 100
64 40.3 31.9 47.9
63 21.5 17.4 26.0

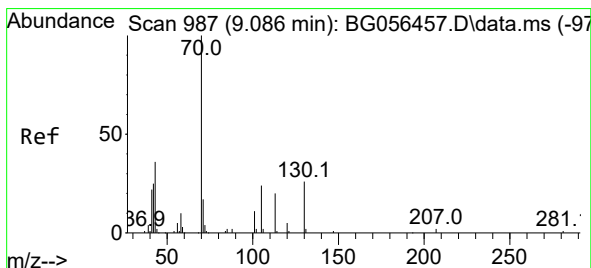
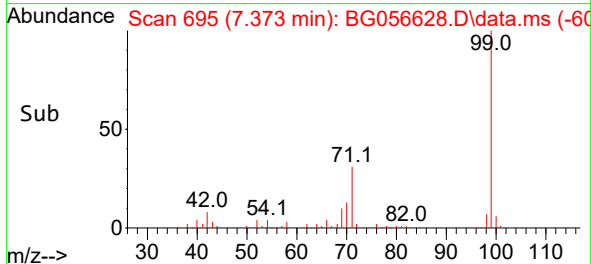
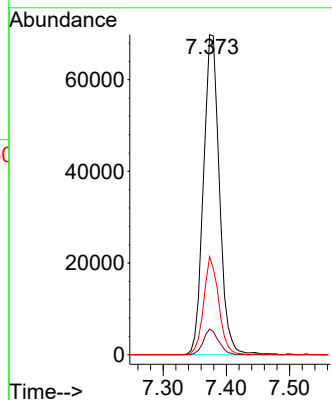
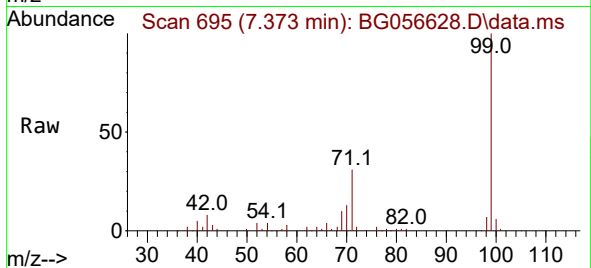




#7
Phenol-d6
Concen: 30.341 ng
RT: 7.373 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

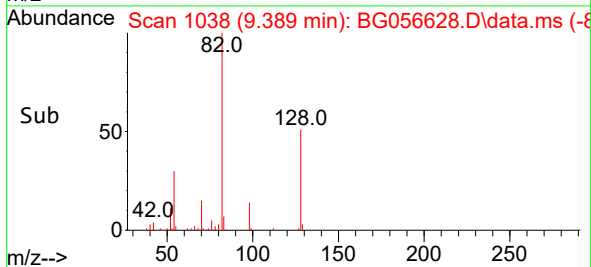
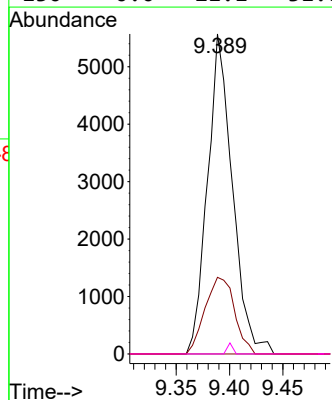
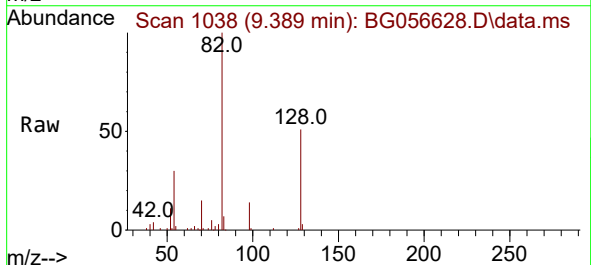
Instrument :
BNA_G
ClientSampleId :

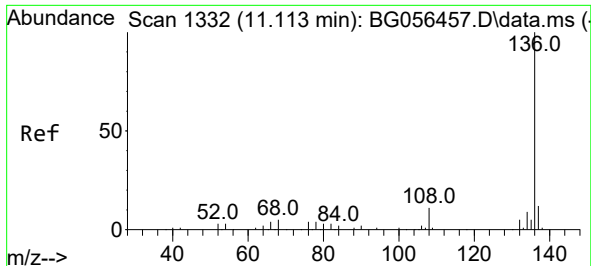
Tgt Ion: 99 Resp: 122549
Ion Ratio Lower Upper
99 100
42 8.0 6.6 10.0
71 30.6 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 3.888 ng
RT: 9.389 min Scan# 1038
Delta R.T. 0.371 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

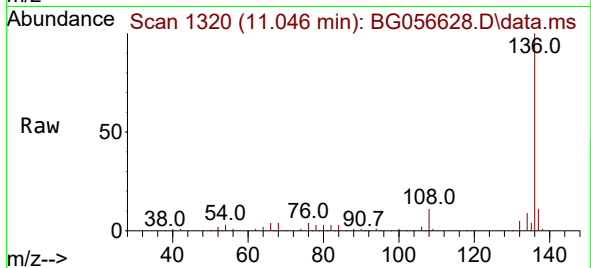
Tgt Ion: 70 Resp: 9050
Ion Ratio Lower Upper
70 100
42 24.0 20.2 30.4
101 0.0 9.1 13.7#
130 0.0 21.1 31.7#



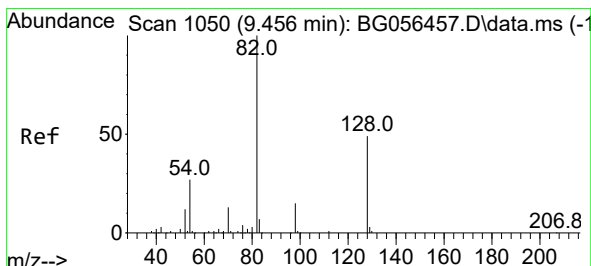
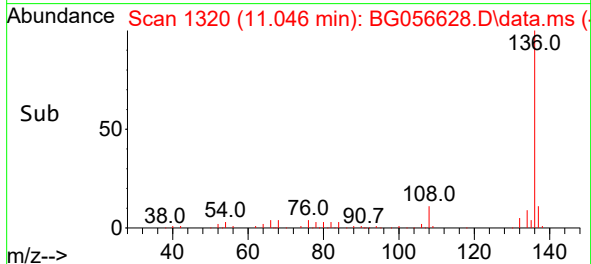
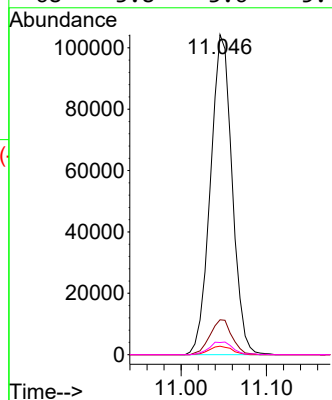


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Instrument :
BNA_G
ClientSampleId :

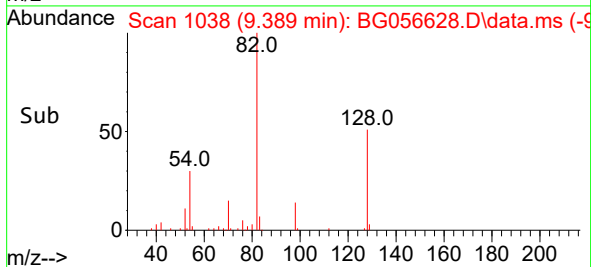
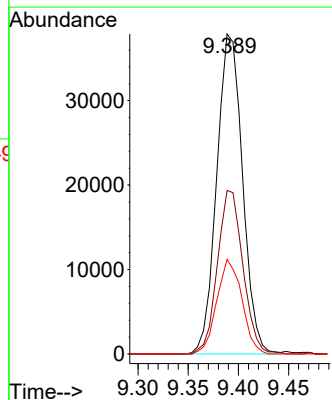
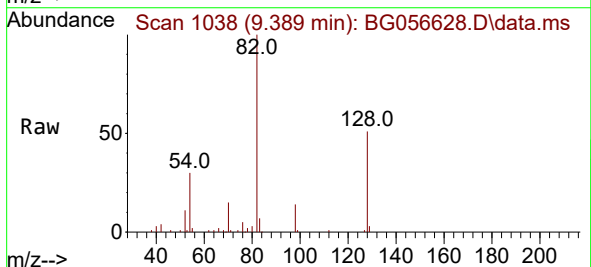


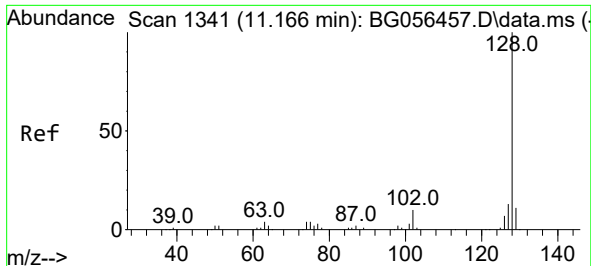
Tgt Ion:136 Resp: 183948
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.0
54 2.6 2.2 3.4
68 3.8 3.6 5.4



#23
Nitrobenzene-d5
Concen: 20.949 ng
RT: 9.389 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Tgt Ion: 82 Resp: 67861
Ion Ratio Lower Upper
82 100
128 51.1 39.4 59.2
54 29.5 21.4 32.2

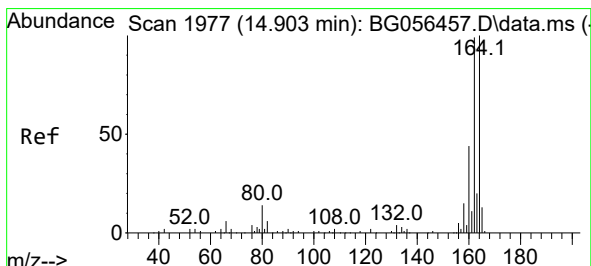
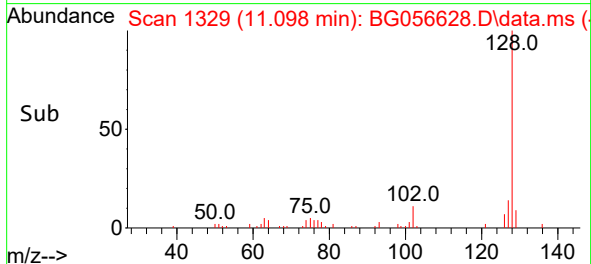
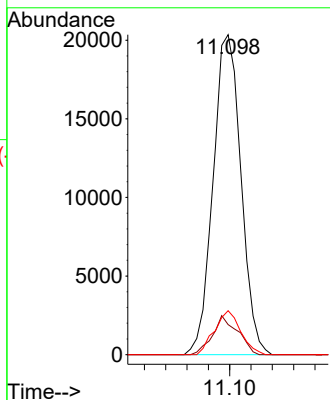
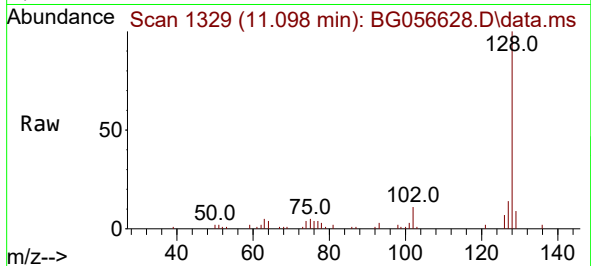




#31
Naphthalene
Concen: 3.801 ng
RT: 11.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

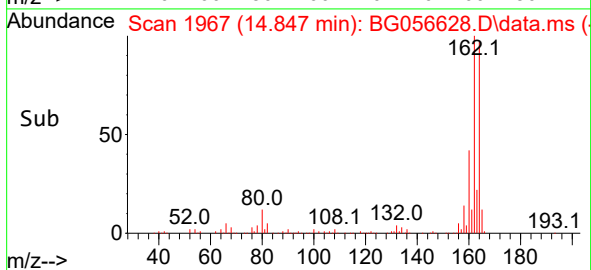
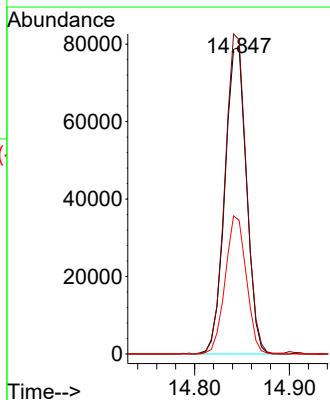
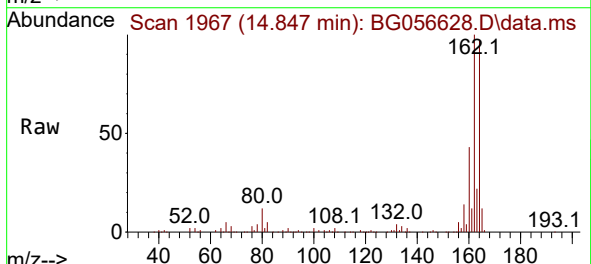
Instrument :
BNA_G
ClientSampleId :

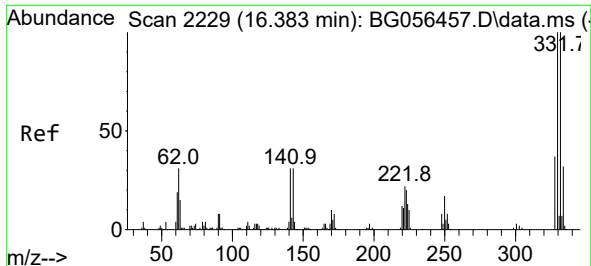
Tgt Ion:128 Resp: 36904
Ion Ratio Lower Upper
128 100
129 9.4 8.7 13.1
127 13.7 10.4 15.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.847 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

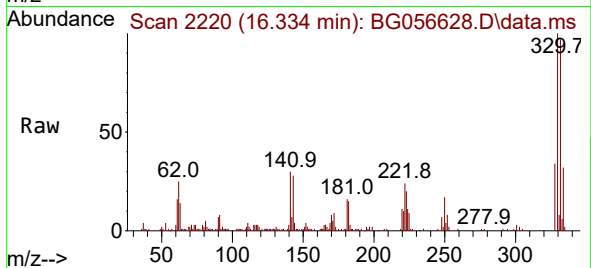
Tgt Ion:164 Resp: 125478
Ion Ratio Lower Upper
164 100
162 102.6 79.6 119.4
160 43.6 34.9 52.3



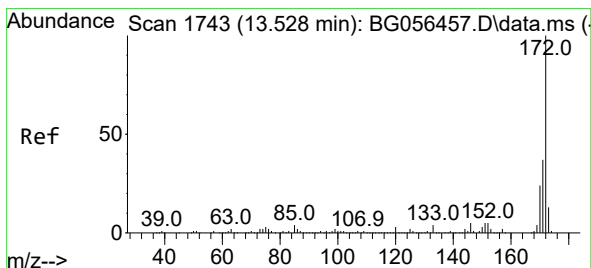
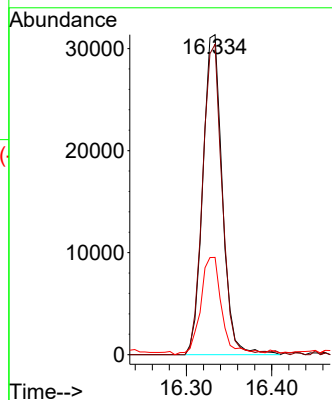
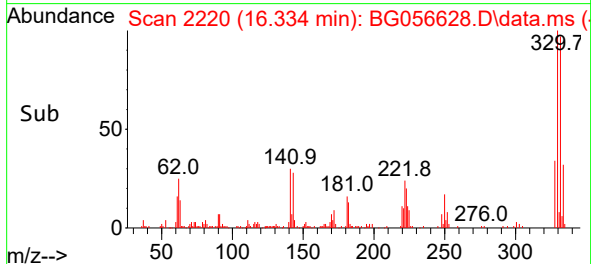


#42
2,4,6-Tribromophenol
Concen: 29.714 ng
RT: 16.334 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

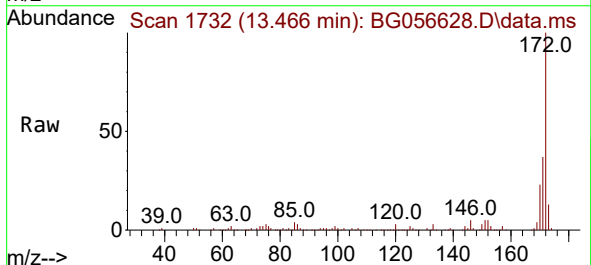
Instrument :
BNA_G
ClientSampleId :



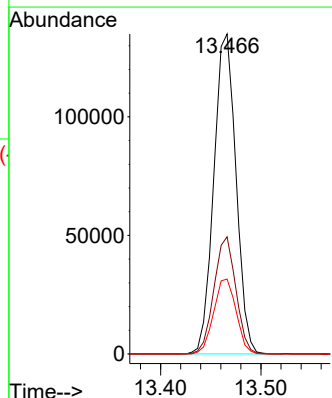
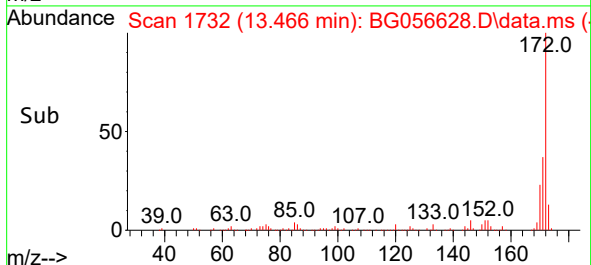
Tgt Ion:330 Resp: 49568
Ion Ratio Lower Upper
330 100
332 96.8 79.0 118.6
141 33.4 24.2 36.4

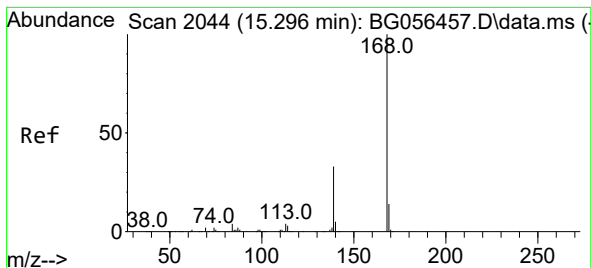


#45
2-Fluorobiphenyl
Concen: 22.868 ng
RT: 13.466 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50



Tgt Ion:172 Resp: 206964
Ion Ratio Lower Upper
172 100
171 36.6 29.5 44.3
170 23.4 19.2 28.8





#55

Dibenzenofuran

Concen: 2.092 ng

RT: 15.235 min Scan# 2033

Delta R.T. -0.005 min

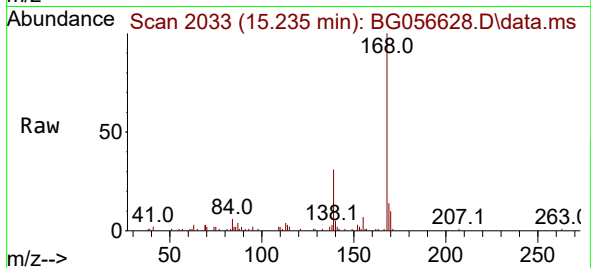
Lab File: BG056628.D

Acq: 13 Feb 2023 20:50

Instrument :

BNA_G

ClientSampleId :



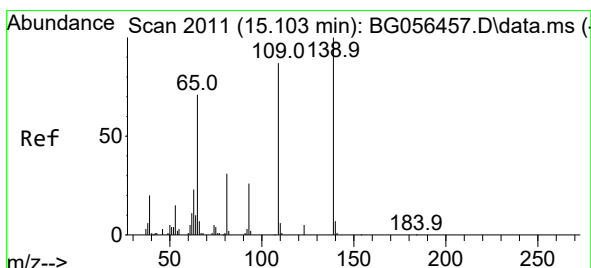
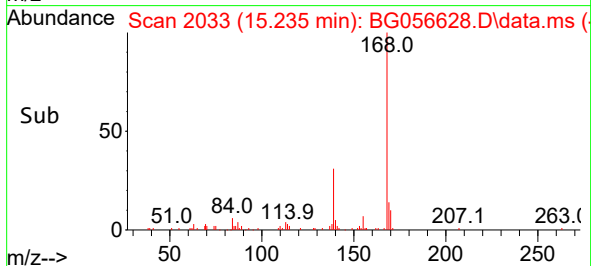
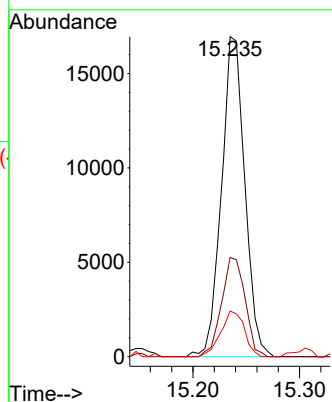
Tgt Ion:168 Resp: 25753

Ion Ratio Lower Upper

168 100

139 31.0 26.2 39.2

169 14.3 11.0 16.6



#56

4-Nitrophenol

Concen: 5.490 ng

RT: 15.235 min Scan# 2033

Delta R.T. 0.165 min

Lab File: BG056628.D

Acq: 13 Feb 2023 20:50

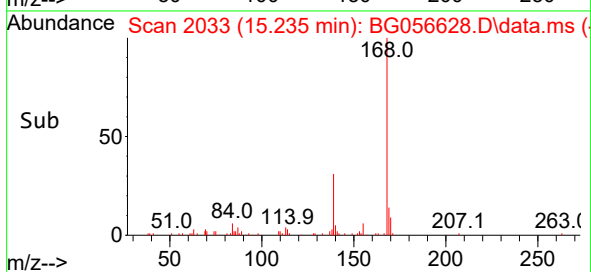
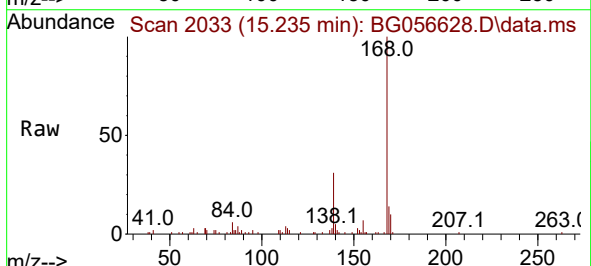
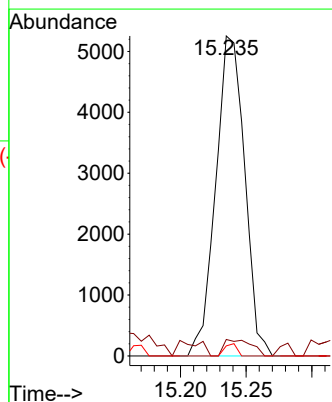
Tgt Ion:139 Resp: 8051

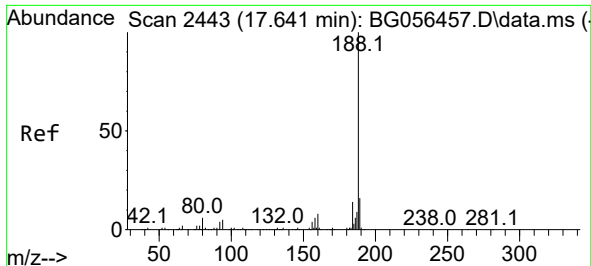
Ion Ratio Lower Upper

139 100

109 5.1 67.5 107.5#

65 3.1 50.7 90.7#

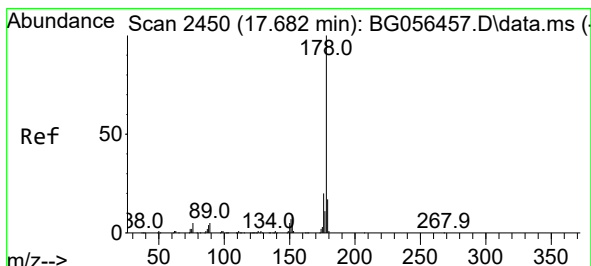
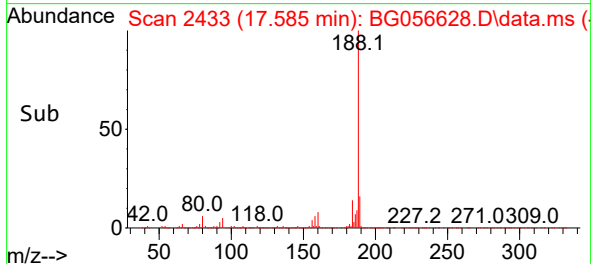
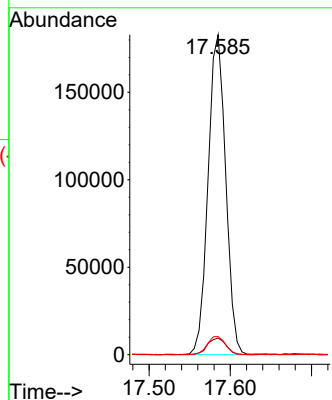
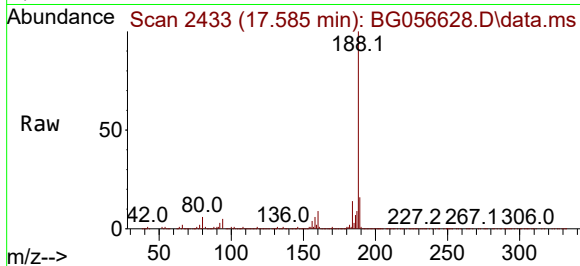




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.585 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

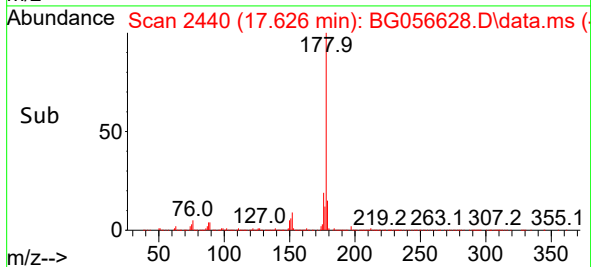
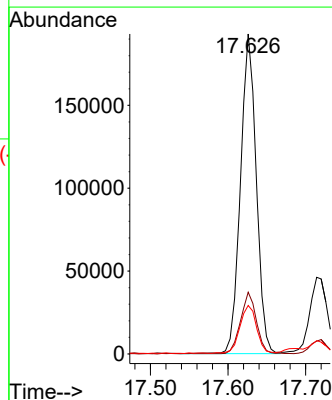
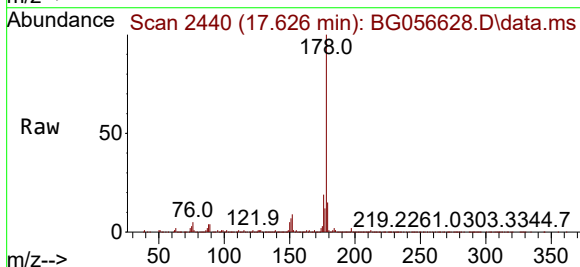
Instrument :
BNA_G
ClientSampleId :

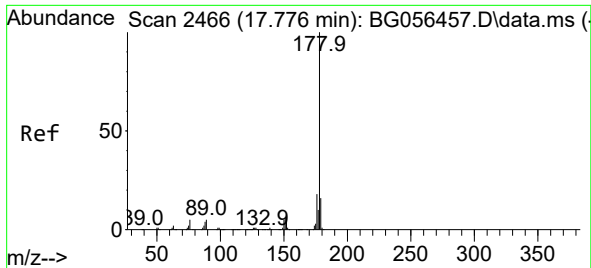
Tgt Ion:188 Resp: 275067
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 5.6 5.0 7.4



#71
Phenanthrene
Concen: 18.991 ng
RT: 17.626 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Tgt Ion:178 Resp: 273400
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.2 13.3 19.9

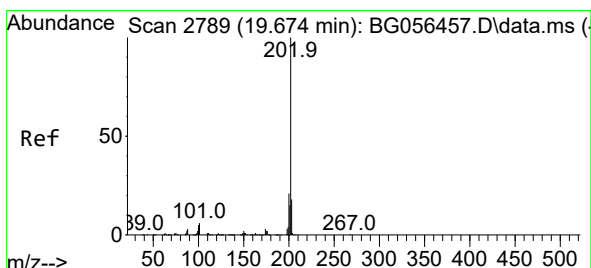
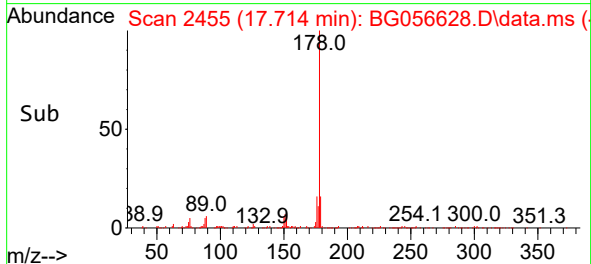
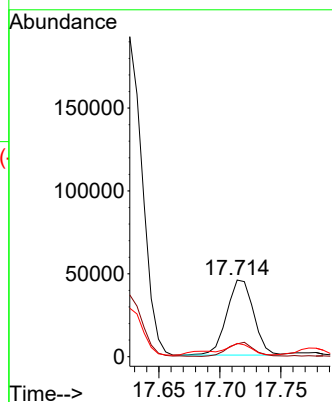
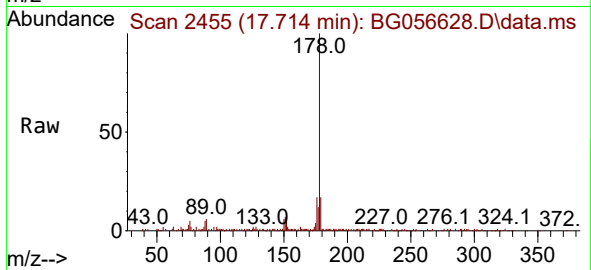




#72
 Anthracene
 Concen: 4.708 ng
 RT: 17.714 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: BG056628.D
 Acq: 13 Feb 2023 20:50

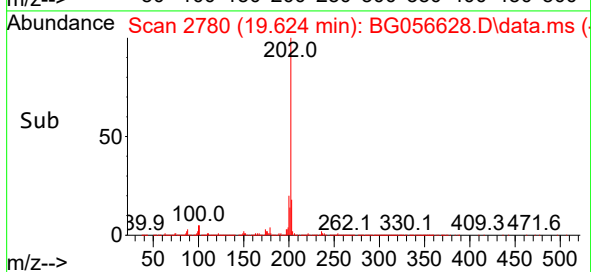
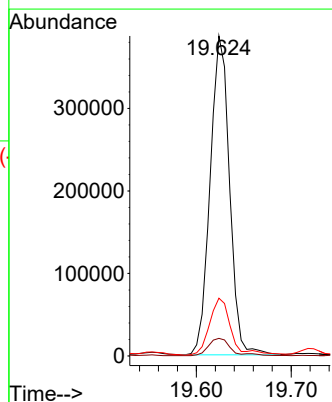
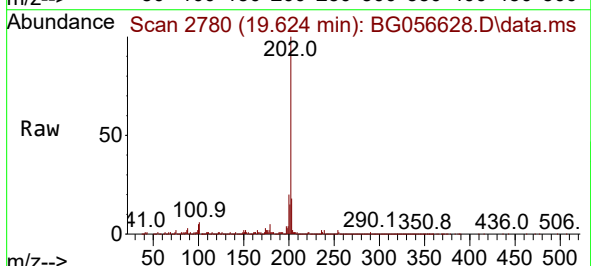
Instrument :
 BNA_G
 ClientSampleId :

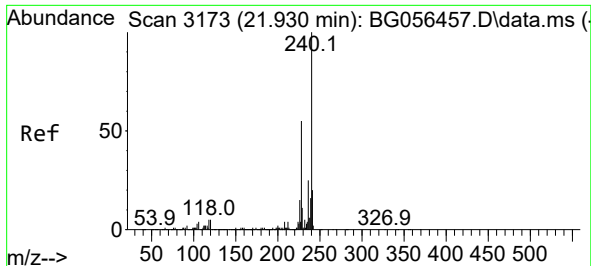
Tgt Ion:178 Resp: 69581
 Ion Ratio Lower Upper
 178 100
 176 16.7 14.5 21.7
 179 17.3 12.5 18.7



#75
 Fluoranthene
 Concen: 30.248 ng
 RT: 19.624 min Scan# 2780
 Delta R.T. 0.000 min
 Lab File: BG056628.D
 Acq: 13 Feb 2023 20:50

Tgt Ion:202 Resp: 549614
 Ion Ratio Lower Upper
 202 100
 101 5.5 0.0 25.6
 203 18.1 0.0 38.1

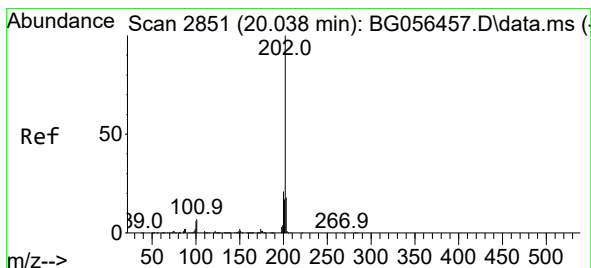
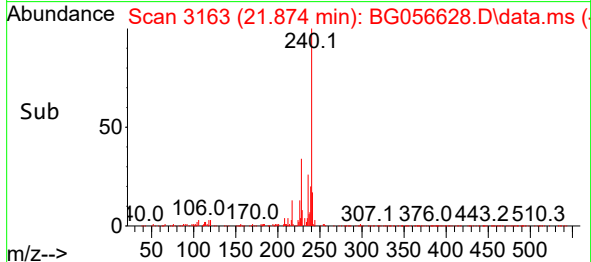
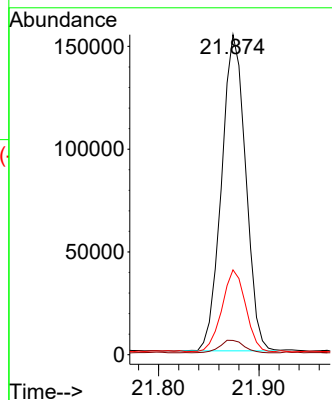
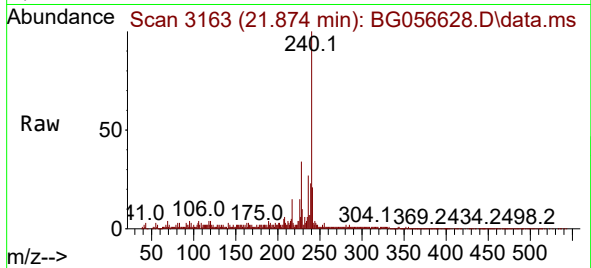




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.874 min Scan# 3173
Delta R.T. 0.012 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

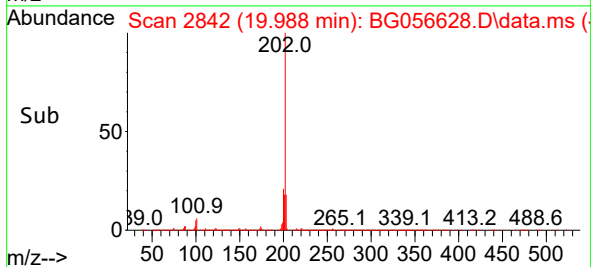
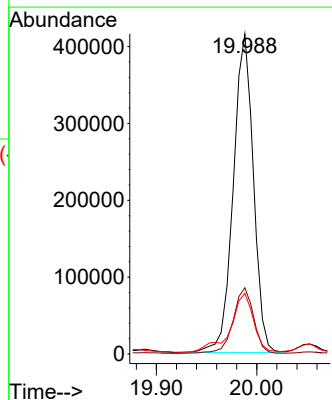
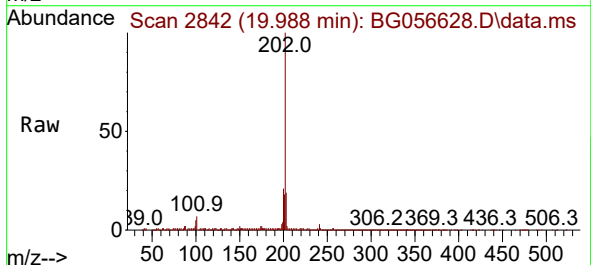
Instrument :
BNA_G
ClientSampleId :

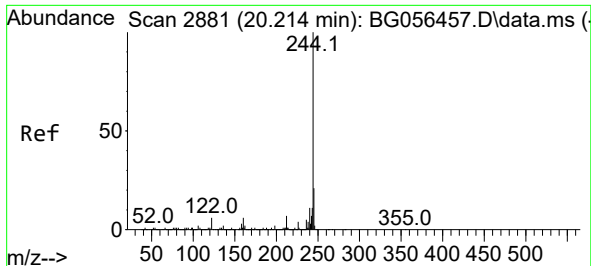
Tgt Ion:240 Resp: 256873
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.8
236 26.5 20.2 30.2



#78
Pyrene
Concen: 31.595 ng
RT: 19.988 min Scan# 2842
Delta R.T. 0.006 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

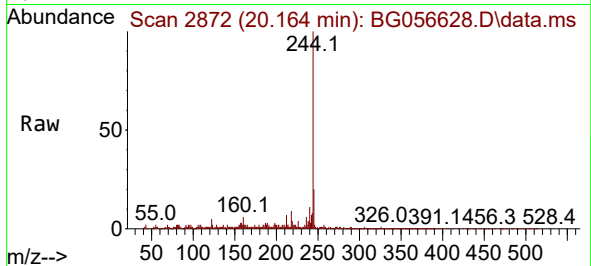
Tgt Ion:202 Resp: 577213
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 18.9 14.4 21.6



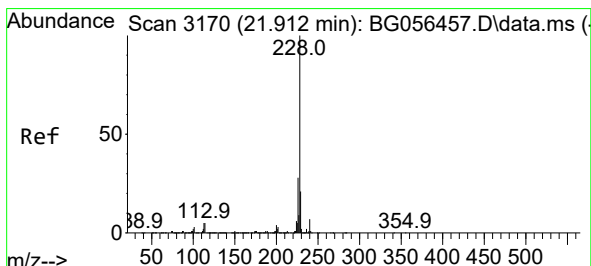
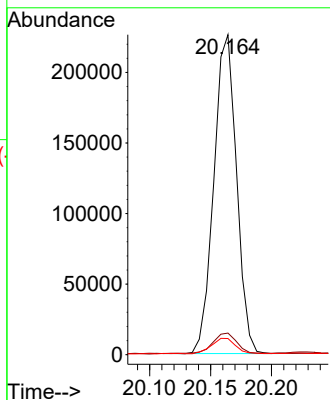
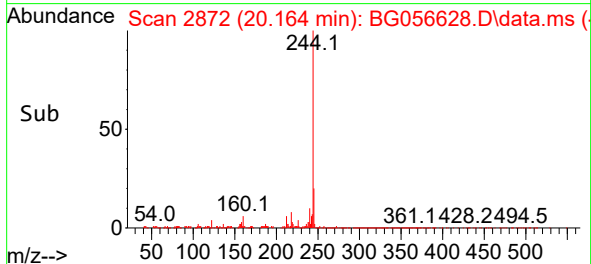


#79
 Terphenyl-d14
 Concen: 19.992 ng
 RT: 20.164 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG056628.D
 Acq: 13 Feb 2023 20:50

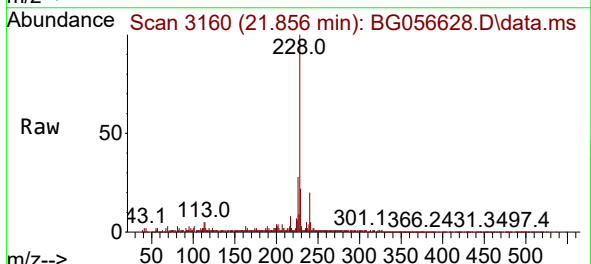
Instrument :
 BNA_G
 ClientSampleId :



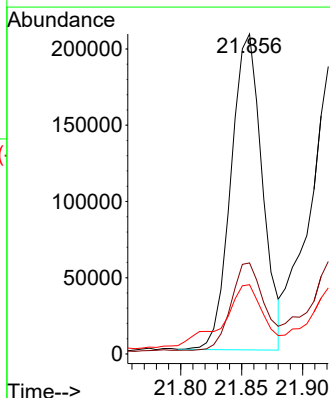
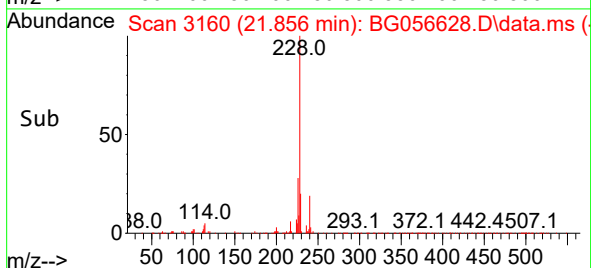
Tgt Ion:244 Resp: 292389
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 5.1 4.4 6.6

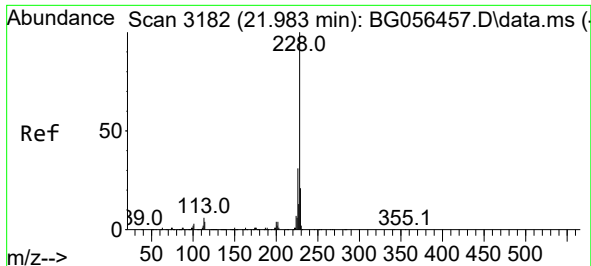


#81
 Benzo(a)anthracene
 Concen: 20.663 ng
 RT: 21.856 min Scan# 3160
 Delta R.T. 0.018 min
 Lab File: BG056628.D
 Acq: 13 Feb 2023 20:50



Tgt Ion:228 Resp: 371068
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.4 33.6
 229 21.7 16.5 24.7

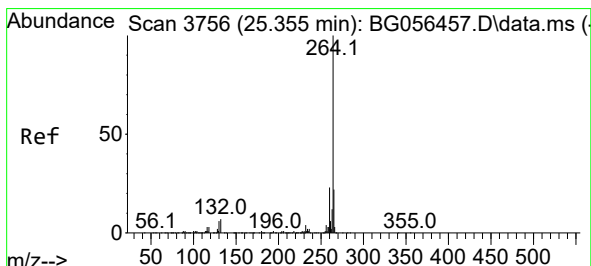
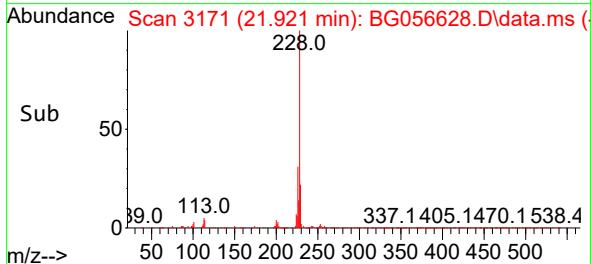
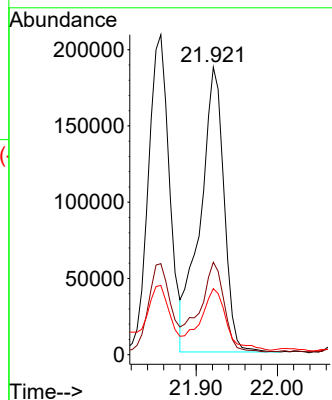
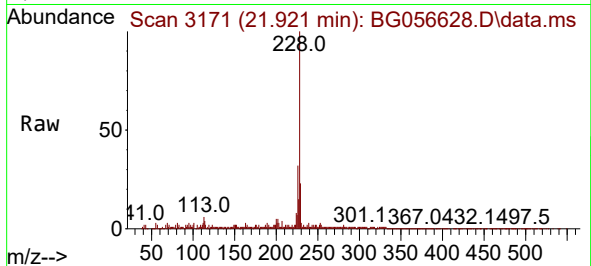




#83
Chrysene
Concen: 22.462 ng
RT: 21.921 min Scan# 3182
Delta R.T. 0.012 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

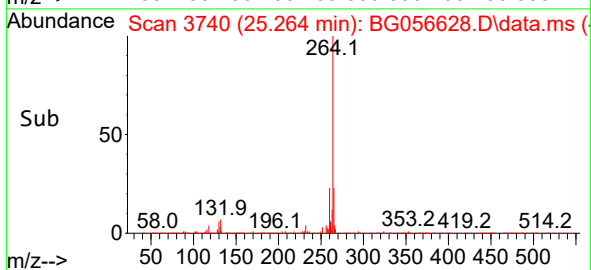
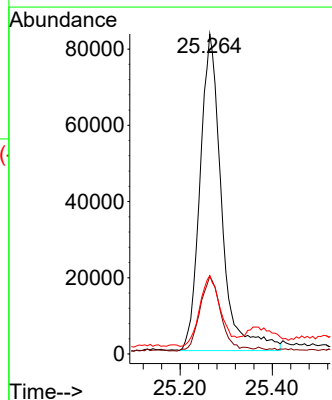
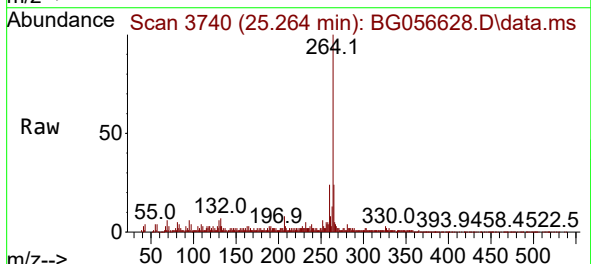
Instrument :
BNA_G
ClientSampleId :

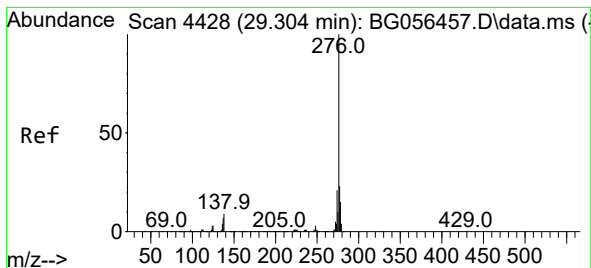
Tgt Ion:228 Resp: 378966
Ion Ratio Lower Upper
228 100
226 32.1 25.0 37.4
229 23.0 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.264 min Scan# 3740
Delta R.T. 0.030 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Tgt Ion:264 Resp: 270367
Ion Ratio Lower Upper
264 100
260 24.3 18.2 27.4
265 24.5 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.786 ng

RT: 29.166 min Scan# 4428

Delta R.T. 0.036 min

Lab File: BG056628.D

Acq: 13 Feb 2023 20:50

Instrument :

BNA_G

ClientSampleId :

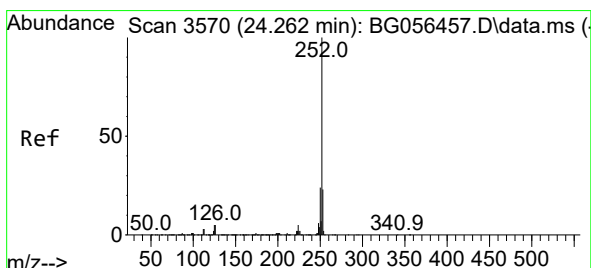
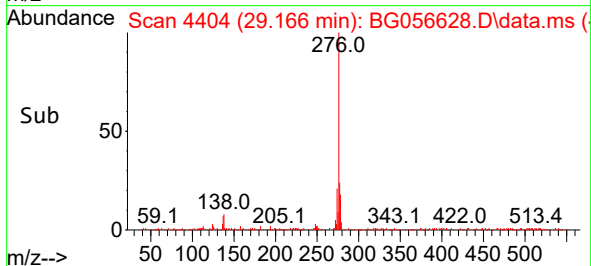
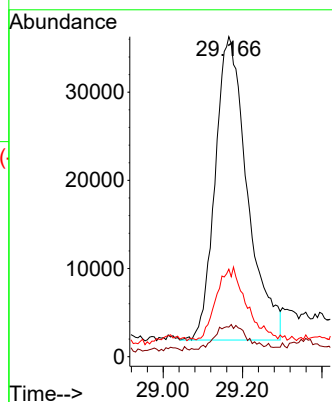
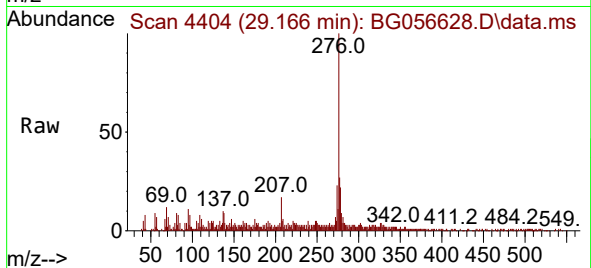
Tgt Ion:276 Resp: 193676

Ion Ratio Lower Upper

276 100

138 7.6 9.4 14.2#

277 22.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 34.296 ng

RT: 24.189 min Scan# 3557

Delta R.T. 0.030 min

Lab File: BG056628.D

Acq: 13 Feb 2023 20:50

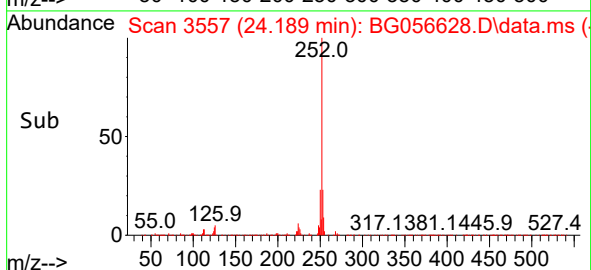
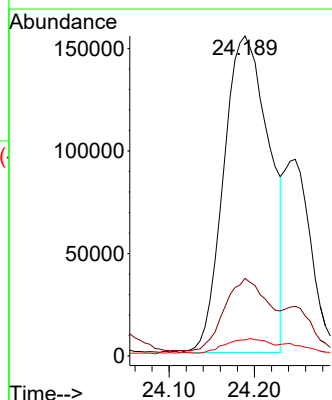
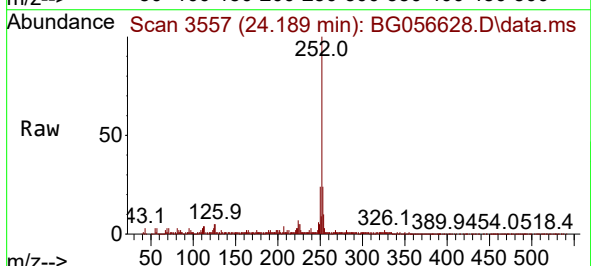
Tgt Ion:252 Resp: 575535

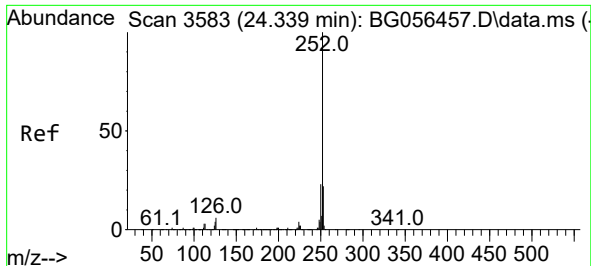
Ion Ratio Lower Upper

252 100

253 24.2 18.1 27.1

125 5.0 3.9 5.9

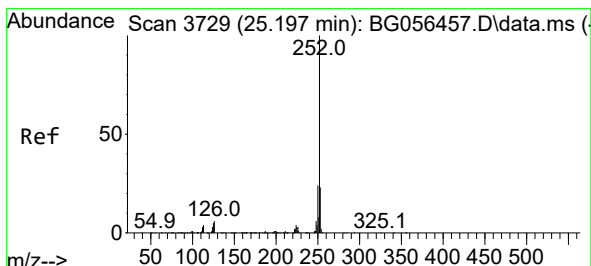
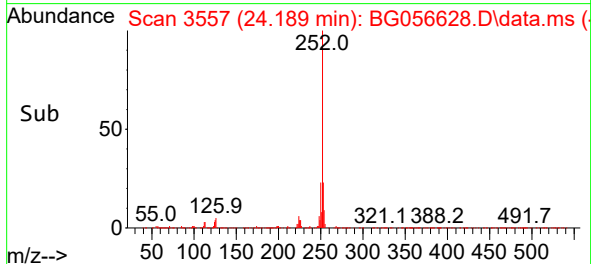
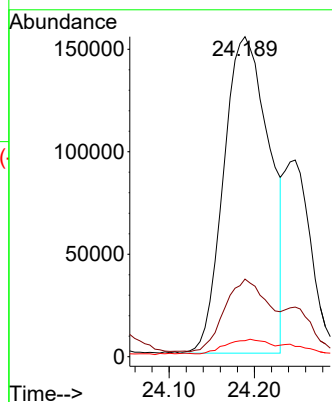
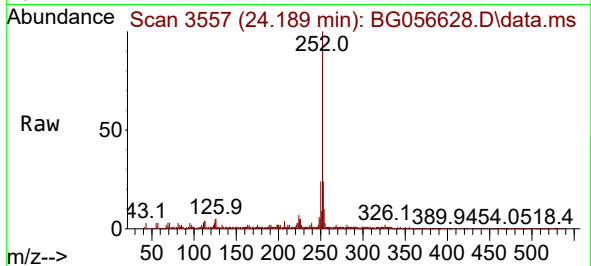




#89
Benzo(k)fluoranthene
Concen: 33.969 ng
RT: 24.189 min Scan# 31
Delta R.T. -0.041 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

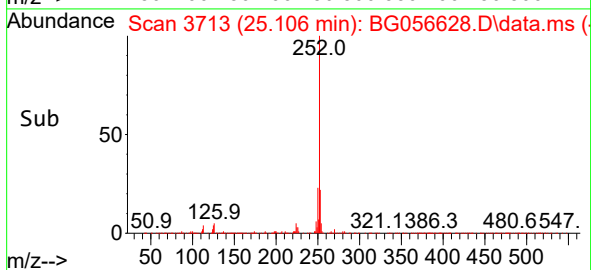
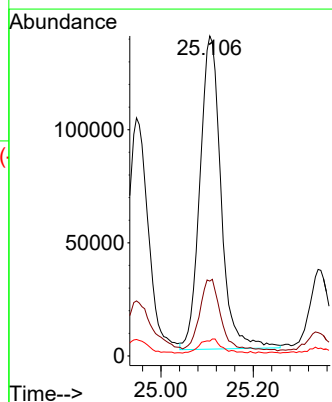
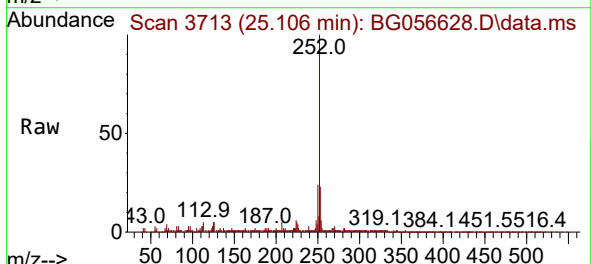
Instrument :
BNA_G
ClientSampleId :

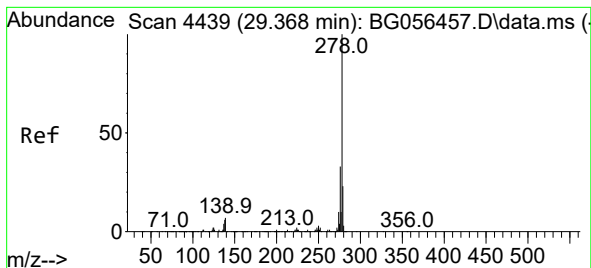
Tgt Ion:252 Resp: 575535
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 5.0 3.4 5.0



#90
Benzo(a)pyrene
Concen: 26.651 ng
RT: 25.106 min Scan# 3713
Delta R.T. 0.024 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Tgt Ion:252 Resp: 440566
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 4.7 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 3.328 ng

RT: 29.213 min Scan# 4439

Delta R.T. 0.030 min

Lab File: BG056628.D

Acq: 13 Feb 2023 20:50

Instrument :

BNA_G

ClientSampleId :

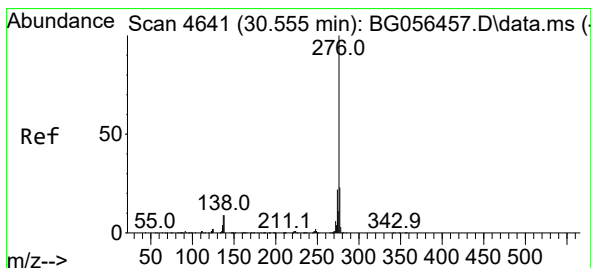
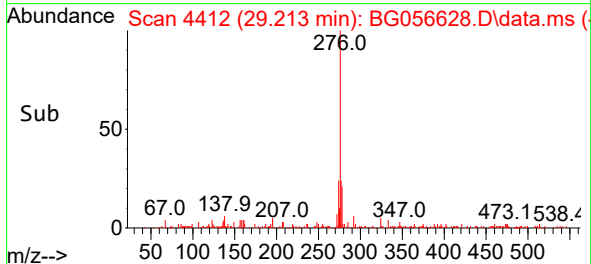
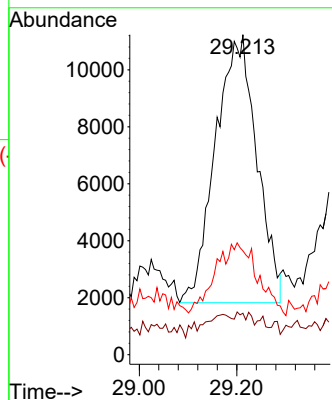
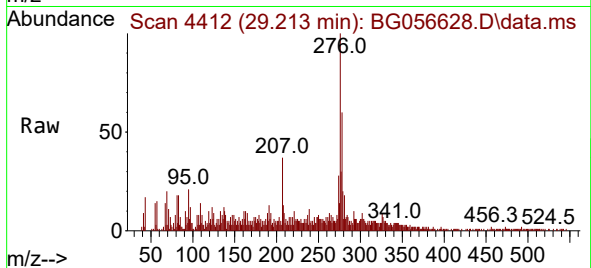
Tgt Ion:278 Resp: 55283

Ion Ratio Lower Upper

278 100

139 13.0 5.5 8.3#

279 32.5 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 10.442 ng

RT: 30.388 min Scan# 4612

Delta R.T. 0.036 min

Lab File: BG056628.D

Acq: 13 Feb 2023 20:50

Tgt Ion:276 Resp: 167386

Ion Ratio Lower Upper

276 100

277 25.6 18.5 27.7

138 11.1 7.4 11.0#

