

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
 Data File : BG056626.D
 Acq On : 13 Feb 2023 19:28
 Operator : CG/JU
 Sample : 01529-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 02:08:41 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

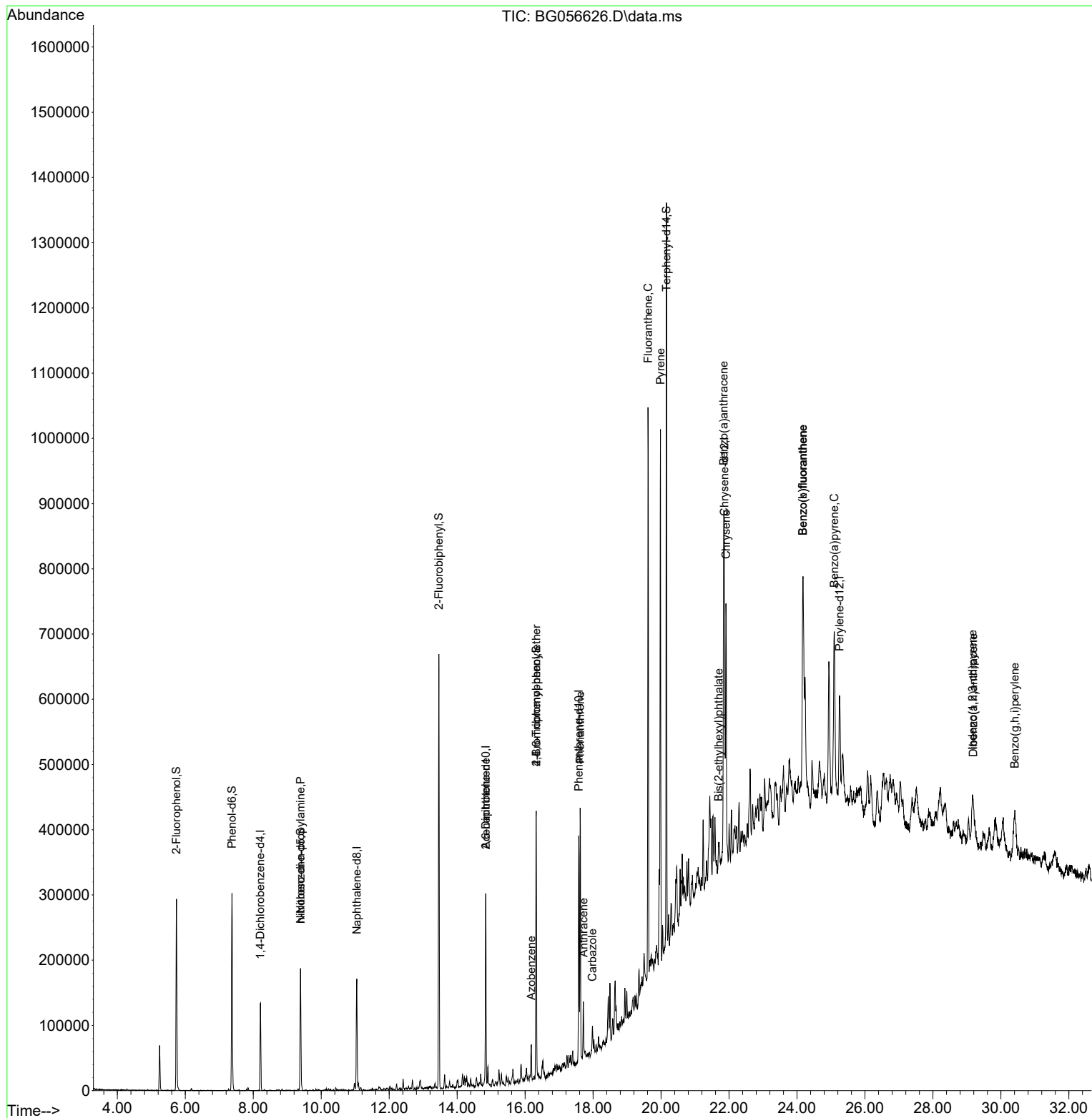
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.207	152	45047	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	161626	20.000	ng	0.00
39) Acenaphthene-d10	14.840	164	108655	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	238037	20.000	ng	0.00
76) Chrysene-d12	21.861	240	223635	20.000	ng	0.00
86) Perylene-d12	25.251	264	244243	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.739	112	179827	73.436	ng	0.01
7) Phenol-d6	7.372	99	236082	65.067	ng	0.00
23) Nitrobenzene-d5	9.388	82	129252	45.411	ng	0.00
42) 2,4,6-Tribromophenol	16.327	330	92263	63.872	ng	0.00
45) 2-Fluorobiphenyl	13.459	172	392418	50.072	ng	0.00
79) Terphenyl-d14	20.157	244	592153	46.506	ng	0.00
Target Compounds						
9) Benzaldehyde	7.337	77	123	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	9.388	70	16586	7.932	ng	# 5
51) 2,6-Dinitrotoluene	14.840	165	15886	8.287	ng	# 74
63) Azobenzene	16.180	77	11862	2.088	ng	# 38
67) 4-Bromophenyl-phenylether	16.327	248	7091	2.327	ng	# 1
71) Phenanthrene	17.619	178	254946	20.464	ng	# 1
72) Anthracene	17.713	178	59459	4.649	ng	99
73) Carbazole	17.978	167	27569	2.531	ng	98
75) Fluoranthene	19.617	202	609177	38.742	ng	99
78) Pyrene	19.981	202	553323	34.788	ng	98
81) Benzo(a)anthracene	21.844	228	344454	22.032	ng	97
83) Chrysene	21.908	228	325515	22.161	ng	97
84) Bis(2-ethylhexyl)phtha...	21.697	149	18282	2.625	ng	# 87
87) Indeno(1,2,3-cd)pyrene	29.165	276	157879	8.830	ng	# 87
88) Benzo(b)fluoranthene	24.170	252	488156	32.200	ng	96
89) Benzo(k)fluoranthene	24.170	252	488156	31.893	ng	# 95
90) Benzo(a)pyrene	25.099	252	355655	23.816	ng	# 97
91) Dibenzo(a,h)anthracene	29.188	278	45534	3.034	ng	# 40
92) Benzo(g,h,i)perylene	30.404	276	202339	13.973	ng	# 91

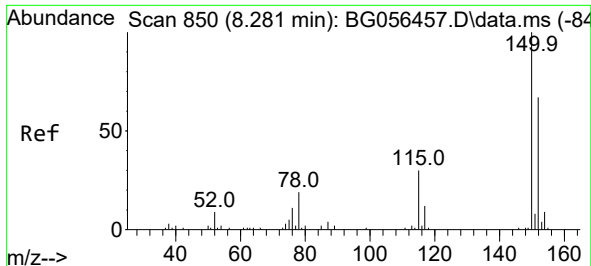
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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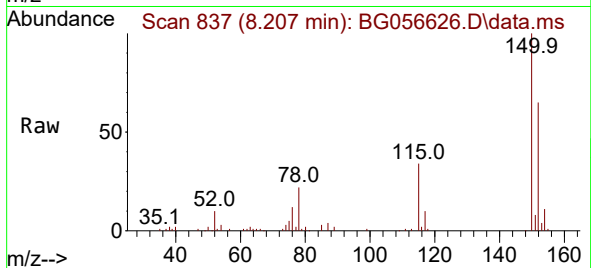
Quant Time: Feb 14 02:08:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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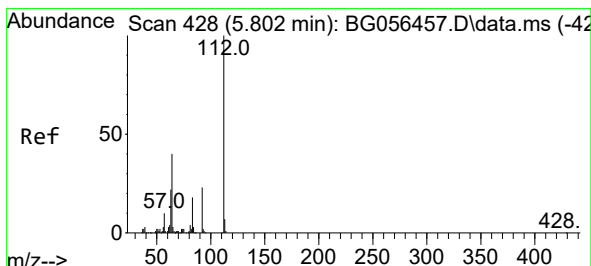
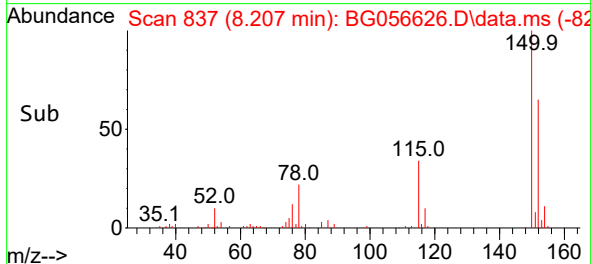
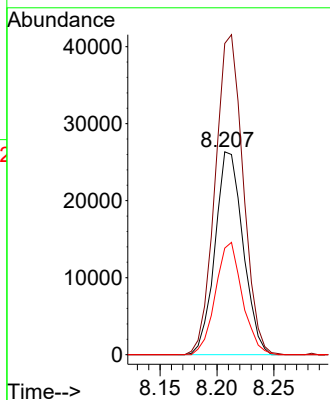


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.207 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Instrument :
BNA_G
ClientSampleId :

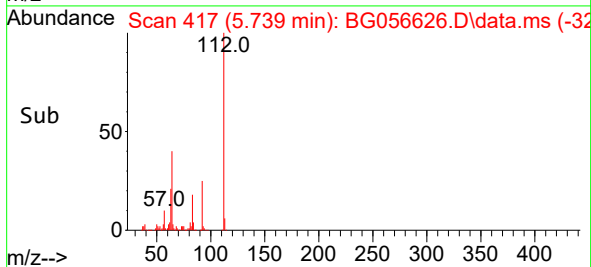
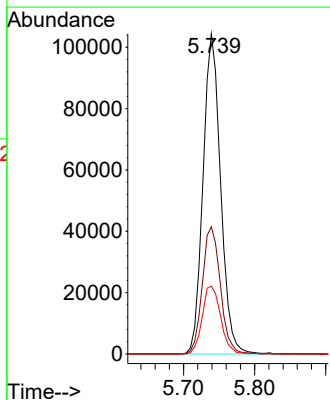
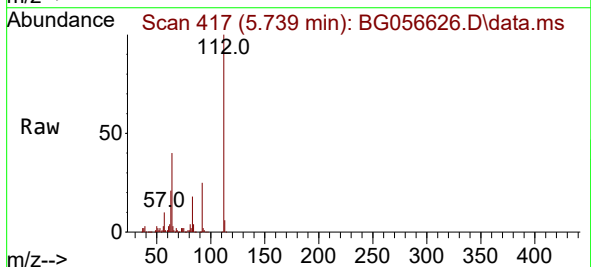


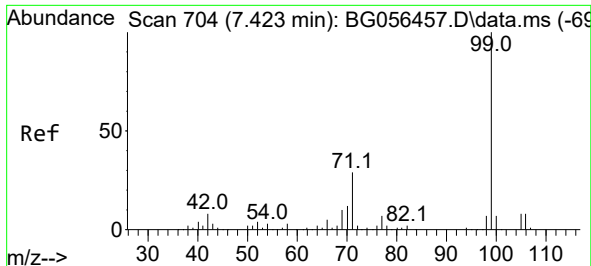
Tgt Ion:152 Resp: 45047
Ion Ratio Lower Upper
152 100
150 153.4 120.2 180.4
115 52.5 36.3 54.5



#5
2-Fluorophenol
Concen: 73.436 ng
RT: 5.739 min Scan# 417
Delta R.T. 0.011 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Tgt Ion:112 Resp: 179827
Ion Ratio Lower Upper
112 100
64 39.8 31.9 47.9
63 21.2 17.4 26.0

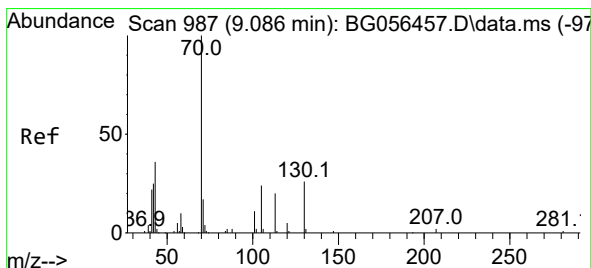
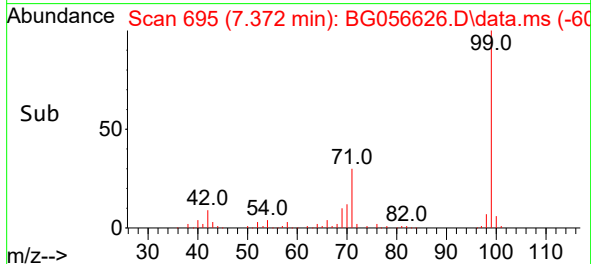
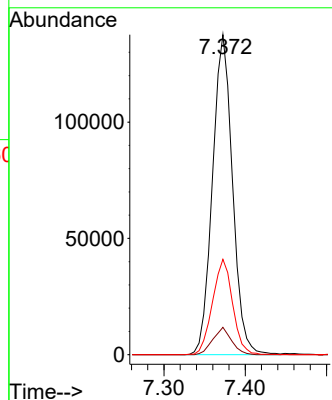
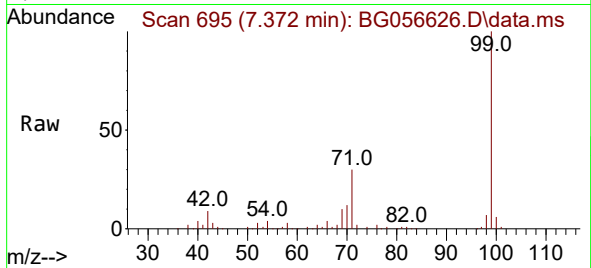




#7
Phenol-d6
Concen: 65.067 ng
RT: 7.372 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

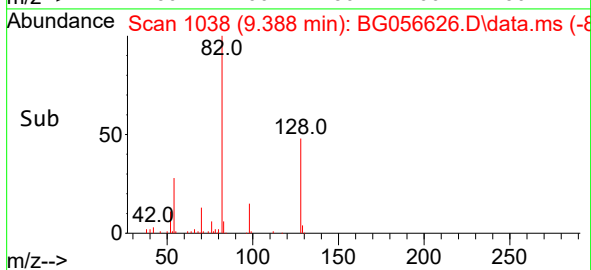
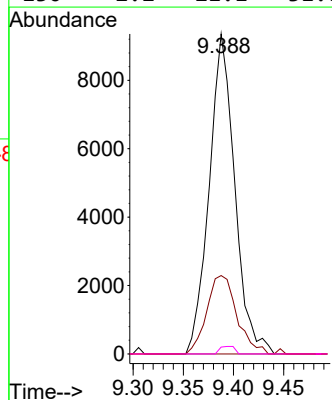
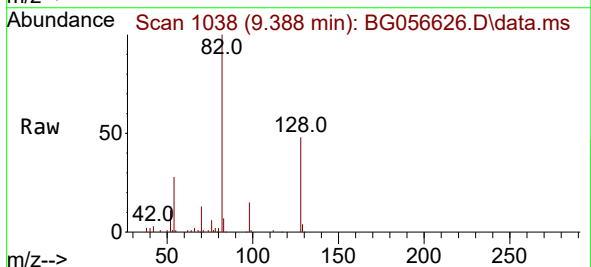
Instrument :
BNA_G
ClientSampleId :

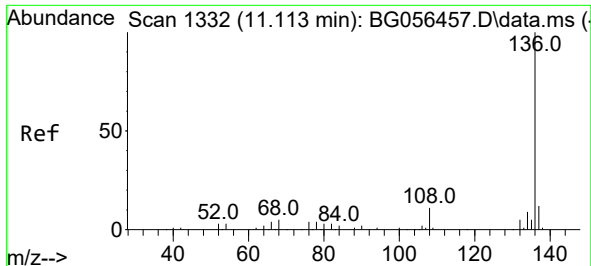
Tgt Ion: 99 Resp: 236082
Ion Ratio Lower Upper
99 100
42 8.5 6.6 10.0
71 29.8 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 7.932 ng
RT: 9.388 min Scan# 1038
Delta R.T. 0.370 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

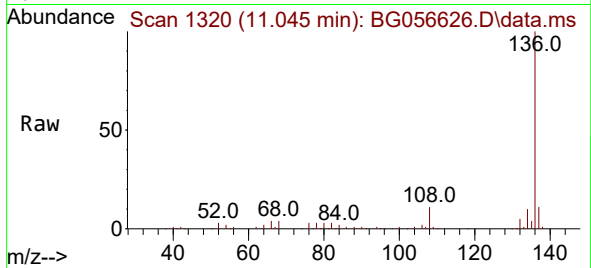
Tgt Ion: 70 Resp: 16586
Ion Ratio Lower Upper
70 100
42 24.5 20.2 30.4
101 0.0 9.1 13.7#
130 2.2 21.1 31.7#



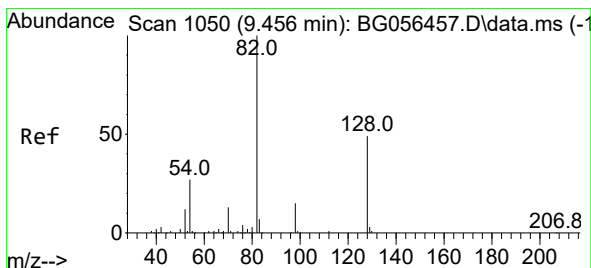
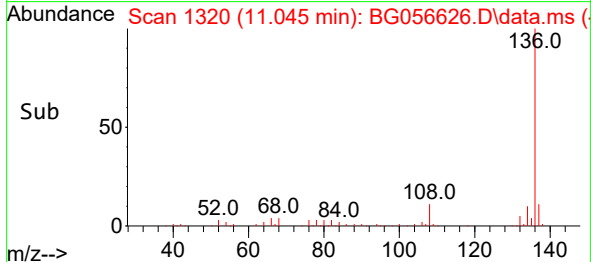
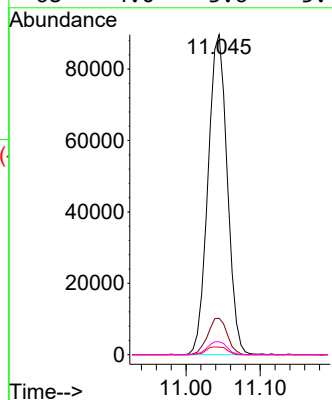


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Instrument :
BNA_G
ClientSampleId :

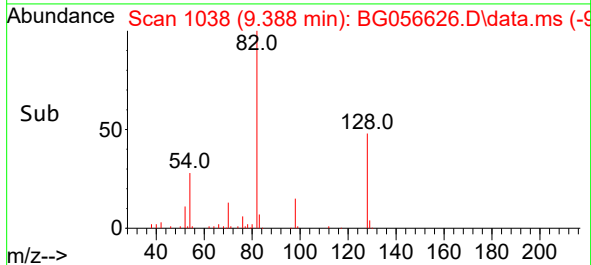
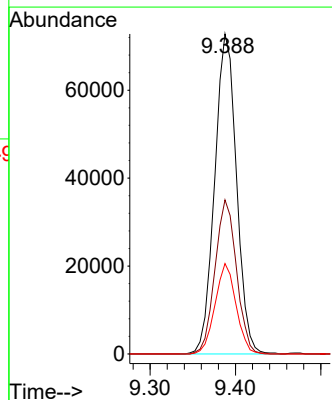
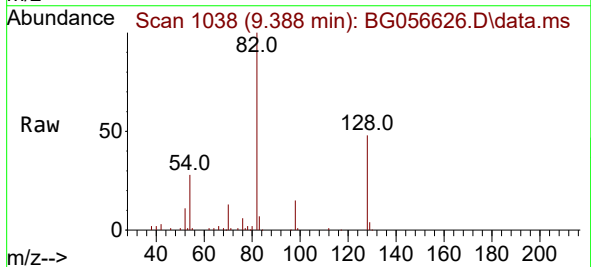


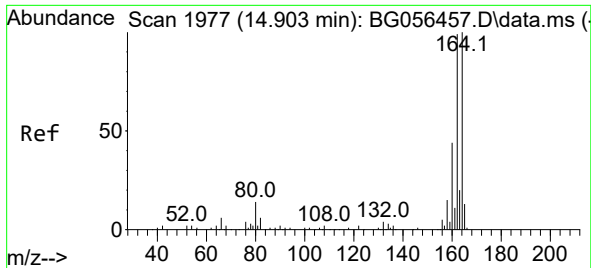
Tgt Ion:136 Resp: 161626
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.0
54 2.4 2.2 3.4
68 4.0 3.6 5.4



#23
Nitrobenzene-d5
Concen: 45.411 ng
RT: 9.388 min Scan# 1038
Delta R.T. -0.001 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

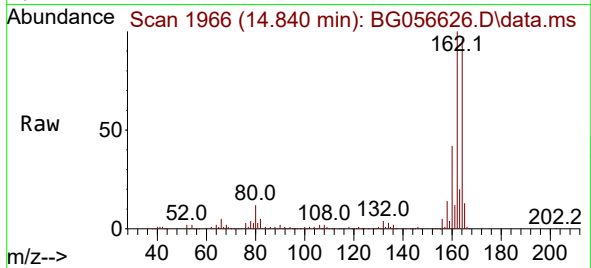
Tgt Ion: 82 Resp: 129252
Ion Ratio Lower Upper
82 100
128 48.1 39.4 59.2
54 28.2 21.4 32.2



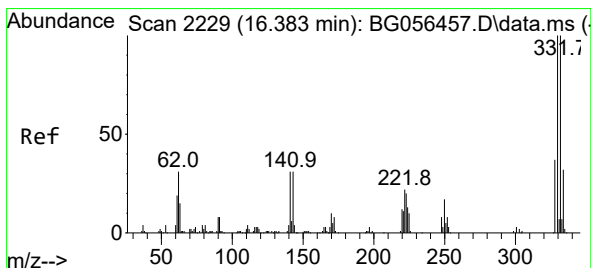
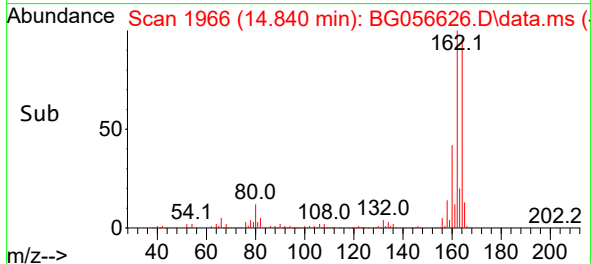
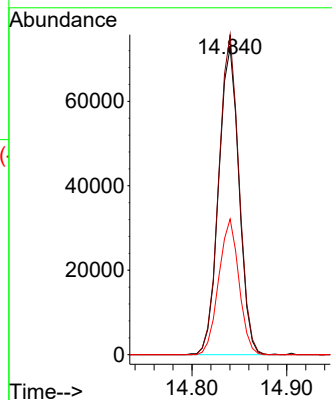


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 1977
Delta R.T. -0.001 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Instrument :
BNA_G
ClientSampleId :

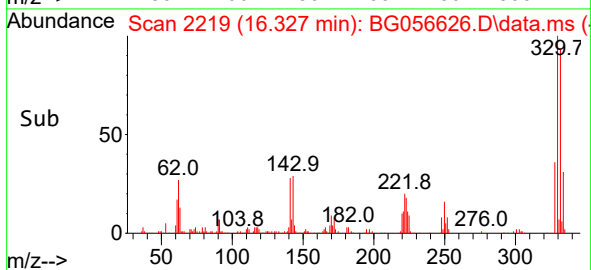
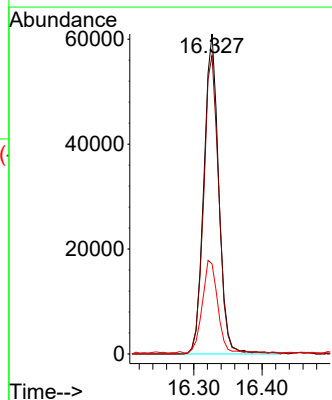
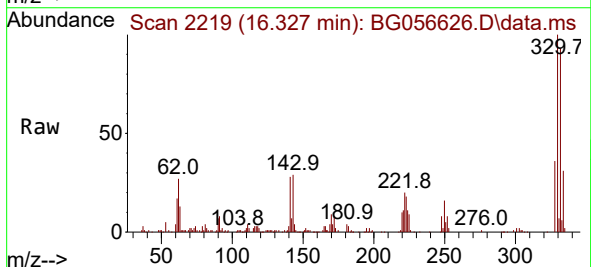


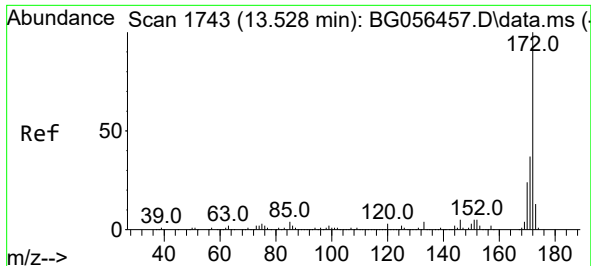
Tgt Ion:164 Resp: 108655
Ion Ratio Lower Upper
164 100
162 104.1 79.6 119.4
160 44.2 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 63.872 ng
RT: 16.327 min Scan# 2219
Delta R.T. -0.001 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

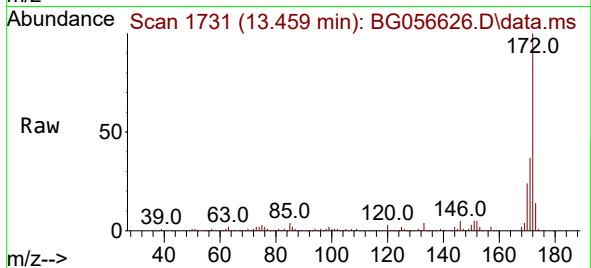
Tgt Ion:330 Resp: 92263
Ion Ratio Lower Upper
330 100
332 94.8 79.0 118.6
141 29.9 24.2 36.4



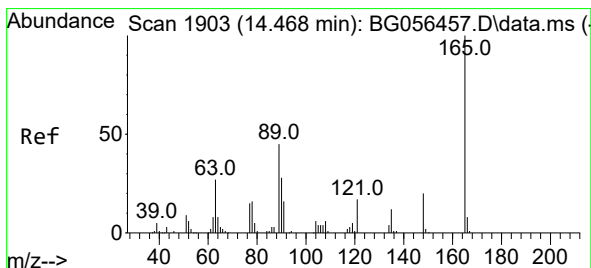
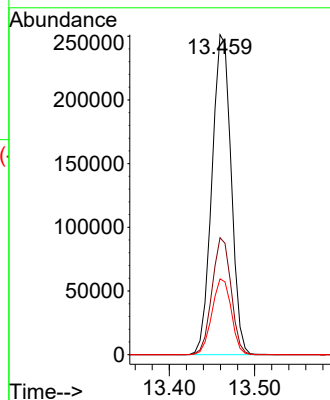
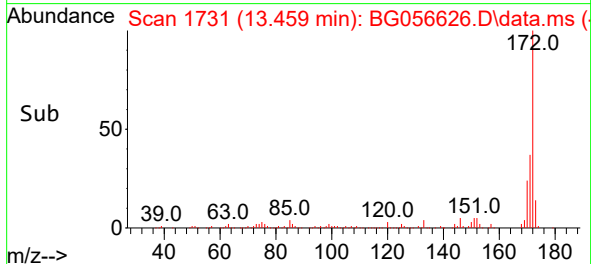


#45
2-Fluorobiphenyl
Concen: 50.072 ng
RT: 13.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

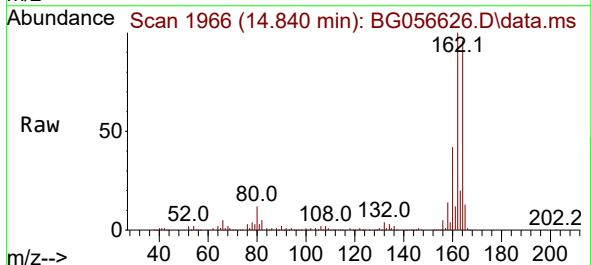
Instrument :
BNA_G
ClientSampleId :



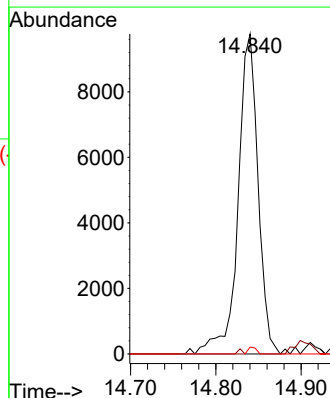
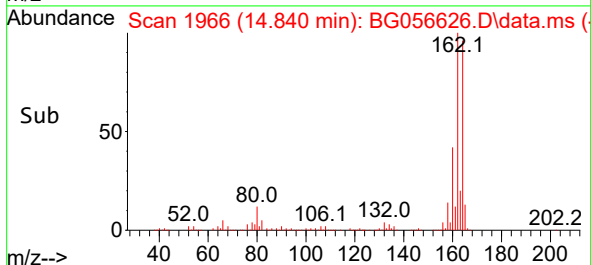
Tgt Ion:172 Resp: 392418
Ion Ratio Lower Upper
172 100
171 36.5 29.5 44.3
170 23.7 19.2 28.8

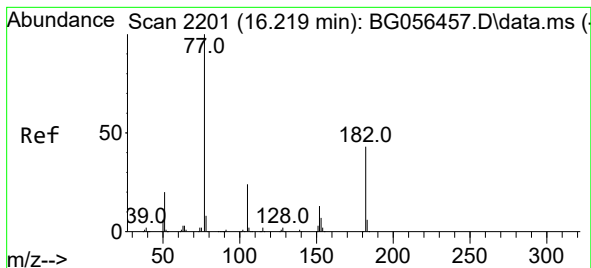


#51
2,6-Dinitrotoluene
Concen: 8.287 ng
RT: 14.840 min Scan# 1966
Delta R.T. 0.423 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28



Tgt Ion:165 Resp: 15886
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 2.2 35.6 53.4#





#63

Azobenzene

Concen: 2.088 ng

RT: 16.180 min Scan# 2194

Delta R.T. 0.023 min

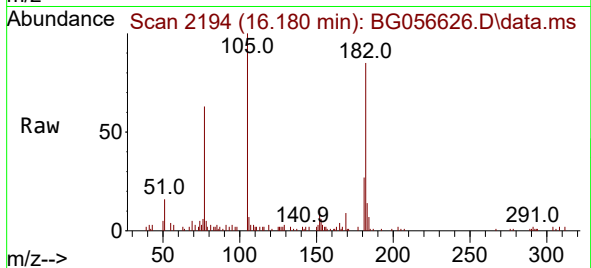
Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

Instrument :

BNA_G

ClientSampleId :



Tgt Ion: 77 Resp: 11862

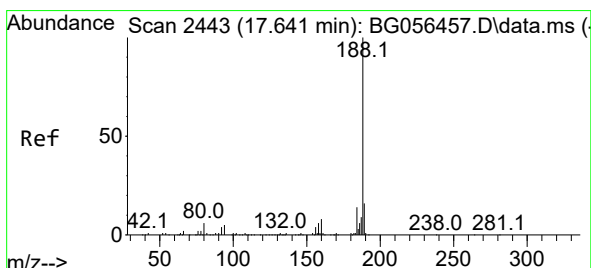
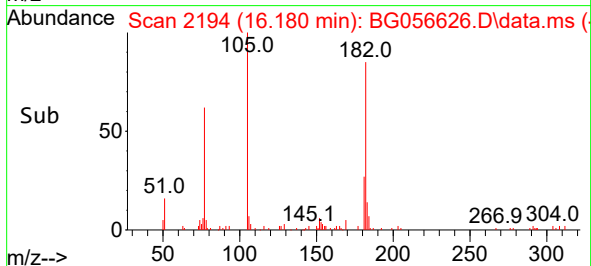
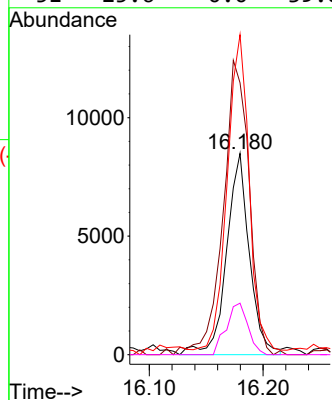
Ion Ratio Lower Upper

77 100

182 135.1 23.1 63.1#

105 159.0 4.2 44.2#

51 25.6 0.0 39.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.578 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

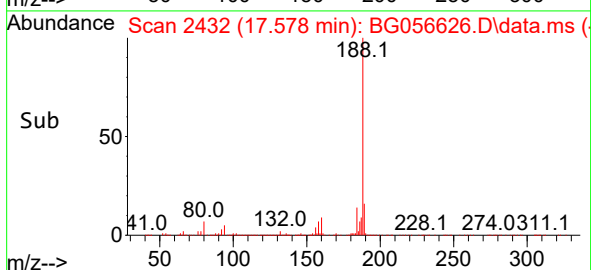
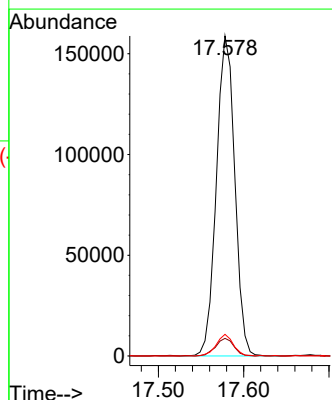
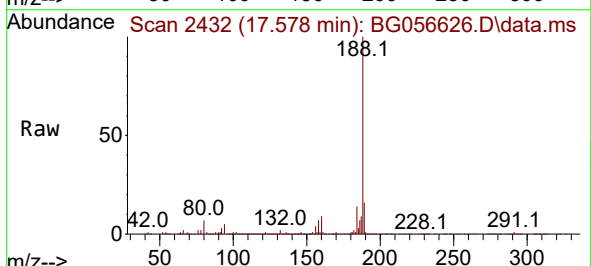
Tgt Ion:188 Resp: 238037

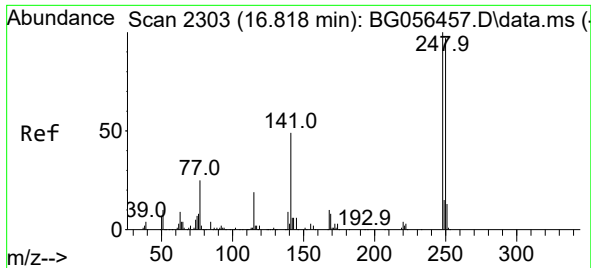
Ion Ratio Lower Upper

188 100

94 5.5 4.1 6.1

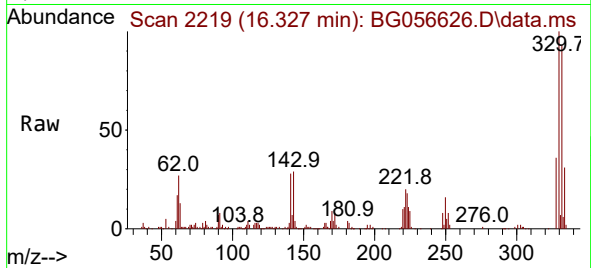
80 6.8 5.0 7.4



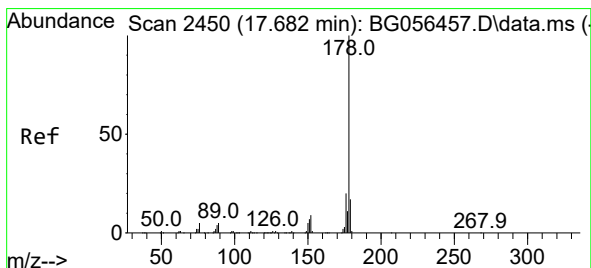
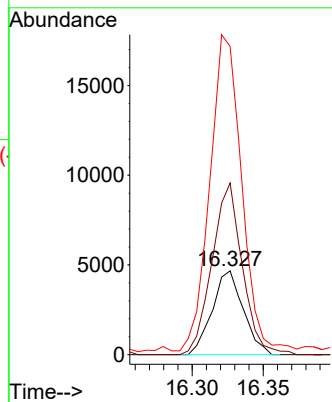
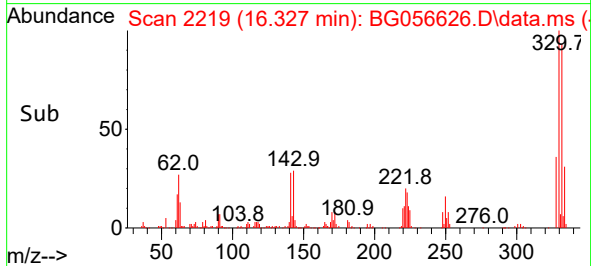


#67
4-Bromophenyl-phenylether
Concen: 2.327 ng
RT: 16.327 min Scan# 21
Delta R.T. -0.429 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

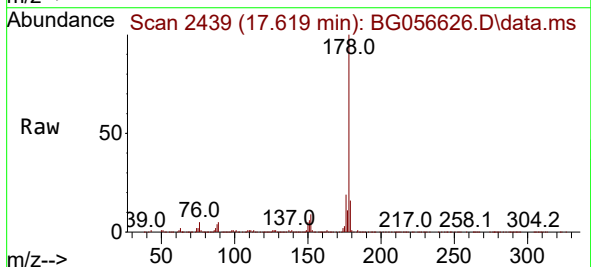
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ClientSampleId :



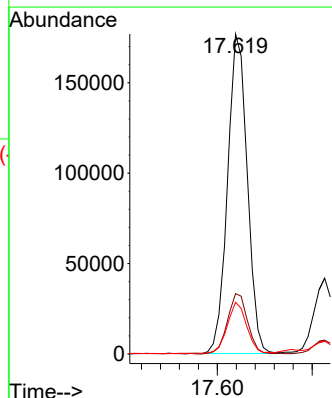
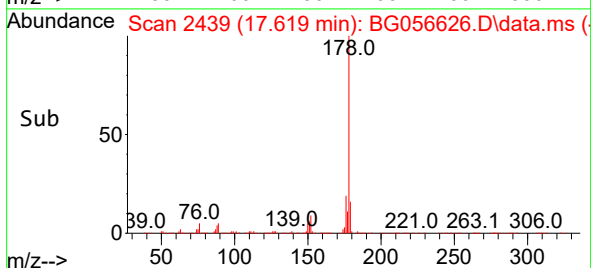
Tgt Ion:248 Resp: 7091
Ion Ratio Lower Upper
248 100
250 265.2 77.6 116.4#
141 367.4 39.0 58.4#

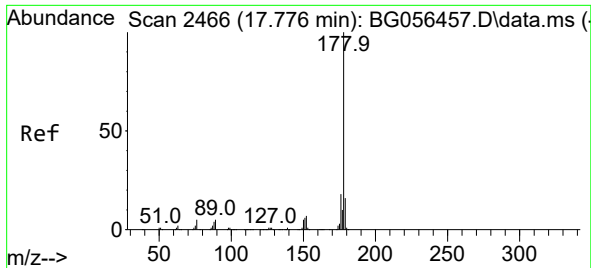


#71
Phenanthrene
Concen: 20.464 ng
RT: 17.619 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28



Tgt Ion:178 Resp: 254946
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 16.2 13.3 19.9

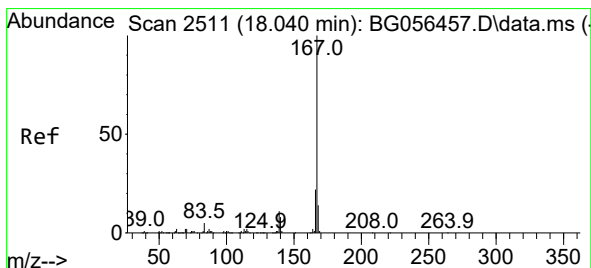
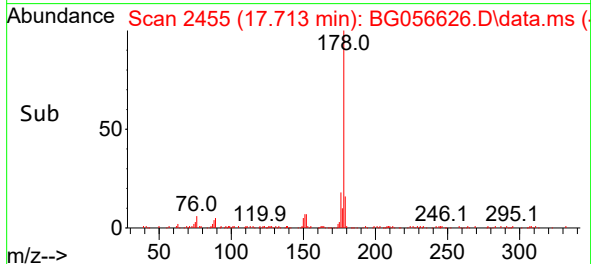
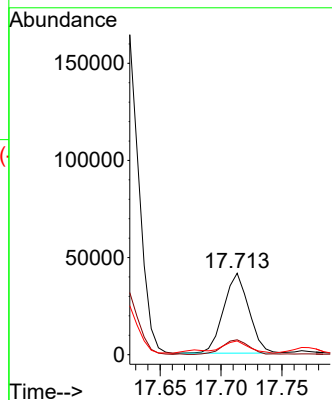
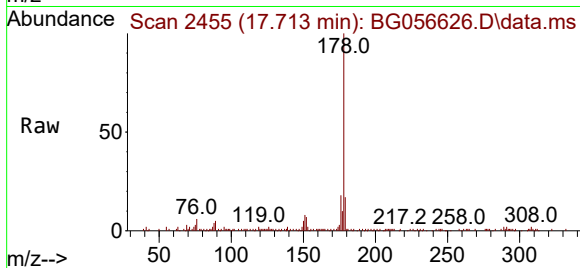




#72
 Anthracene
 Concen: 4.649 ng
 RT: 17.713 min Scan# 24
 Delta R.T. -0.001 min
 Lab File: BG056626.D
 Acq: 13 Feb 2023 19:28

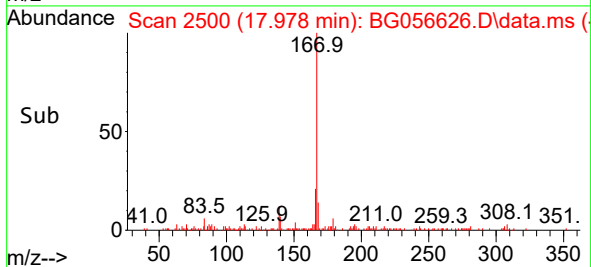
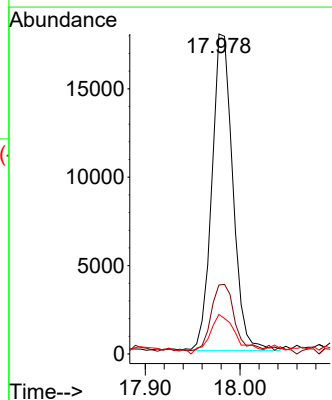
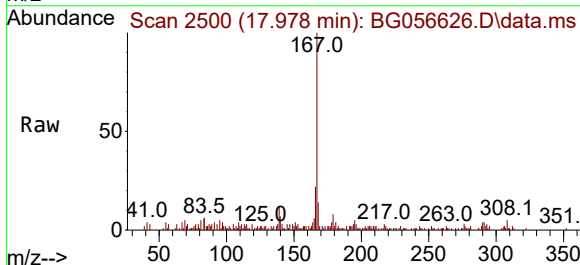
Instrument :
 BNA_G
 ClientSampleId :

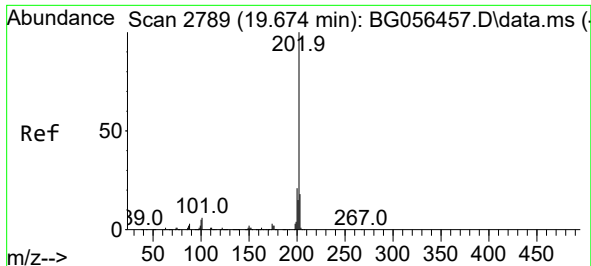
Tgt Ion:178 Resp: 59459
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.5 21.7
 179 16.9 12.5 18.7



#73
 Carbazole
 Concen: 2.531 ng
 RT: 17.978 min Scan# 2500
 Delta R.T. -0.006 min
 Lab File: BG056626.D
 Acq: 13 Feb 2023 19:28

Tgt Ion:167 Resp: 27569
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.8 26.6
 139 12.3 8.9 13.3

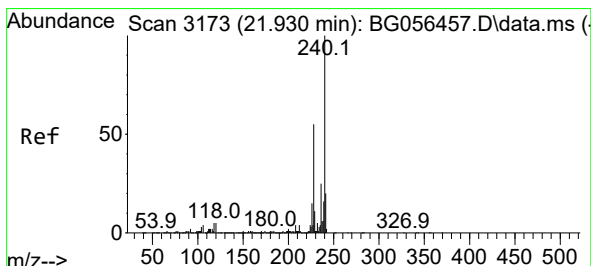
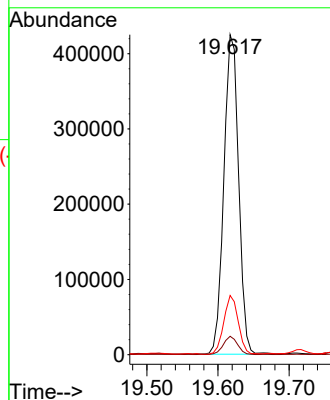
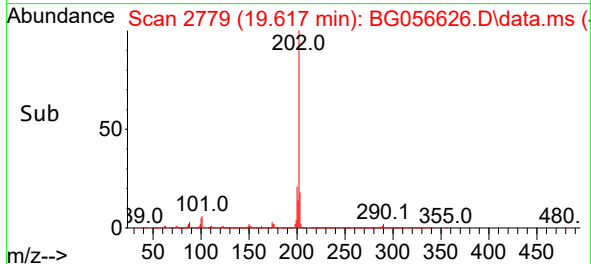
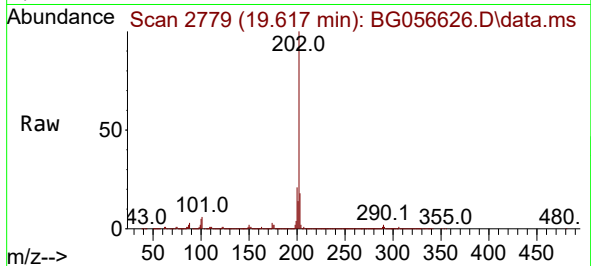




#75
Fluoranthene
Concen: 38.742 ng
RT: 19.617 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

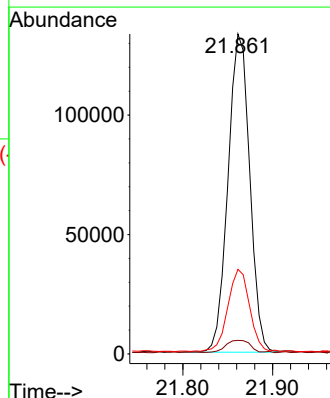
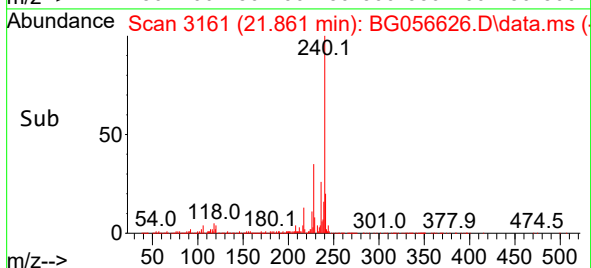
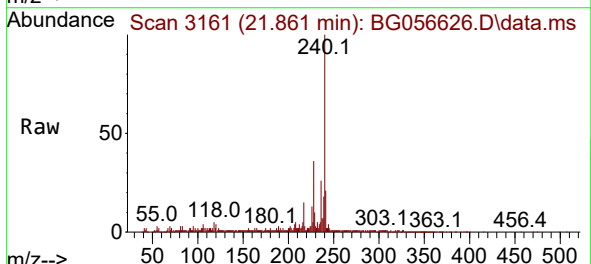
Instrument :
BNA_G
ClientSampleId :

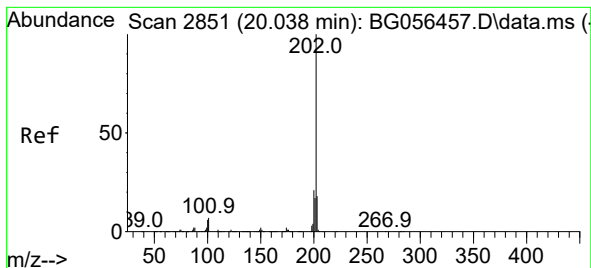
Tgt Ion:202 Resp: 609177
Ion Ratio Lower Upper
202 100
101 5.7 0.0 25.6
203 18.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3161
Delta R.T. -0.000 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Tgt Ion:240 Resp: 223635
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 26.5 20.2 30.2





#78

Pyrene

Concen: 34.788 ng

RT: 19.981 min Scan# 2841

Delta R.T. -0.000 min

Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

Instrument :

BNA_G

ClientSampleId :

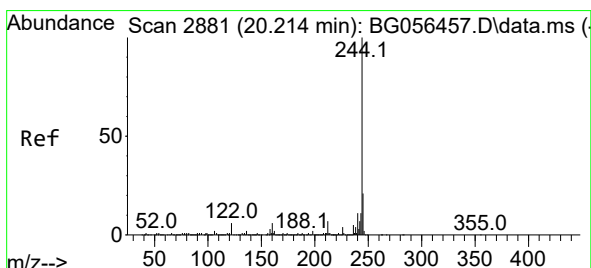
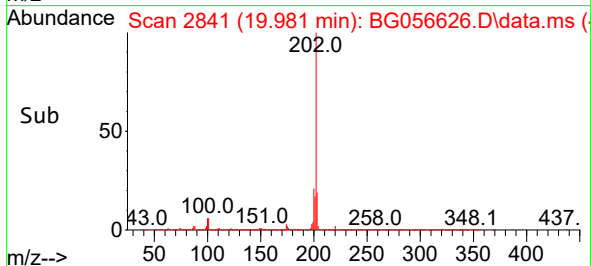
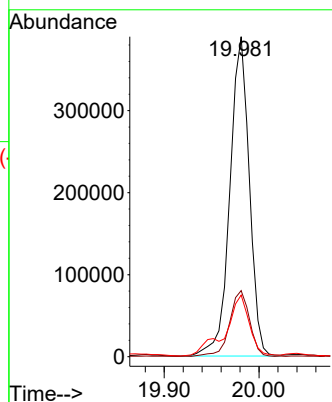
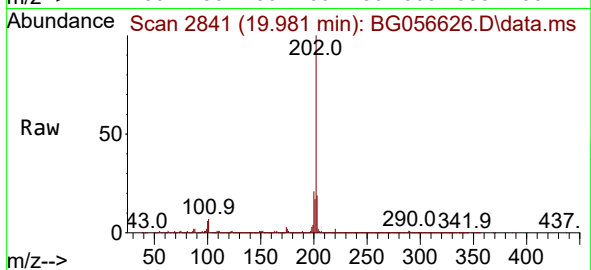
Tgt Ion:202 Resp: 553323

Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

203 19.3 14.4 21.6



#79

Terphenyl-d14

Concen: 46.506 ng

RT: 20.157 min Scan# 2871

Delta R.T. -0.001 min

Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

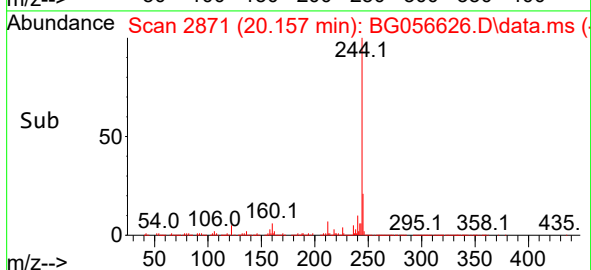
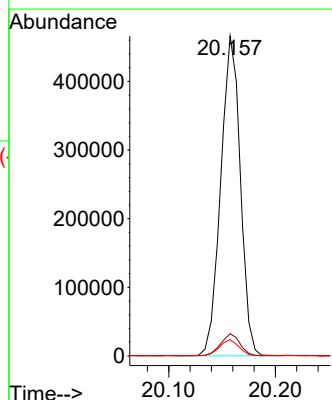
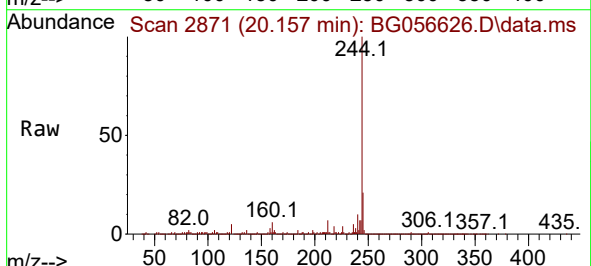
Tgt Ion:244 Resp: 592153

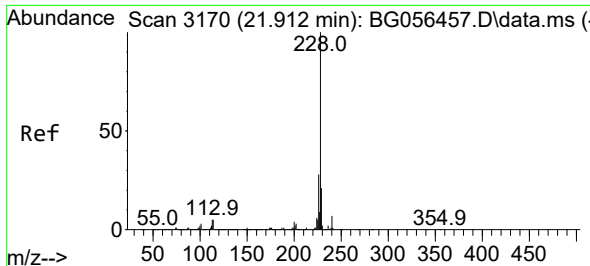
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 5.1 4.4 6.6

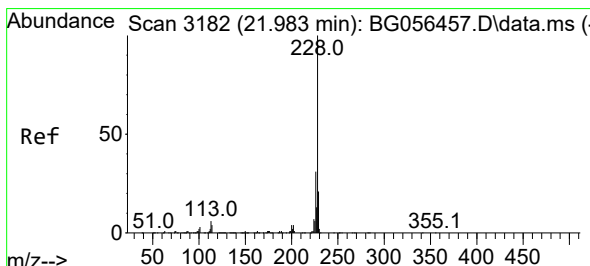
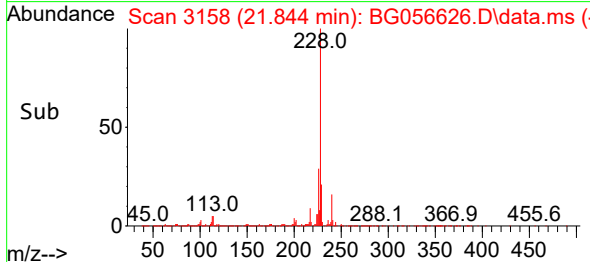
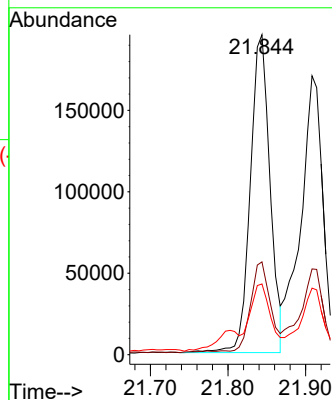
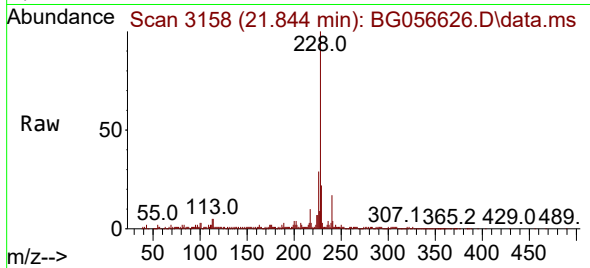




#81
Benzo(a)anthracene
Concen: 22.032 ng
RT: 21.844 min Scan# 31158
Delta R.T. 0.005 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

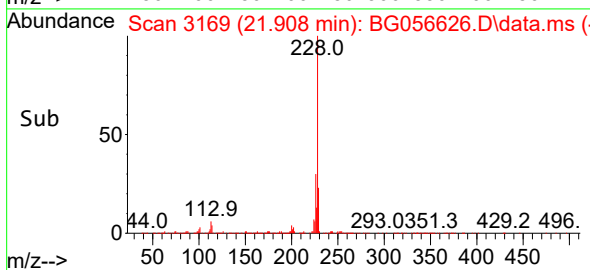
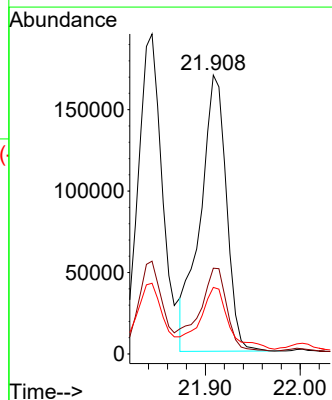
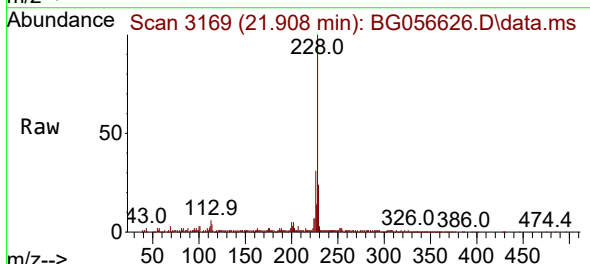
Instrument :
BNA_G
ClientSampleId :

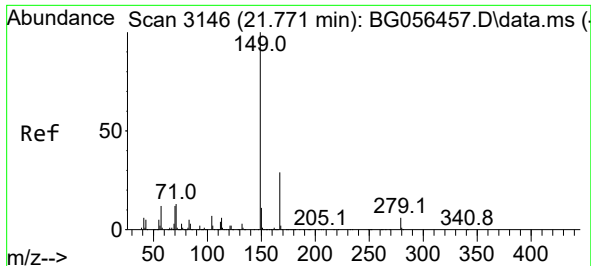
Tgt Ion:228 Resp: 344454
Ion Ratio Lower Upper
228 100
226 29.0 22.4 33.6
229 22.1 16.5 24.7



#83
Chrysene
Concen: 22.161 ng
RT: 21.908 min Scan# 3169
Delta R.T. -0.001 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

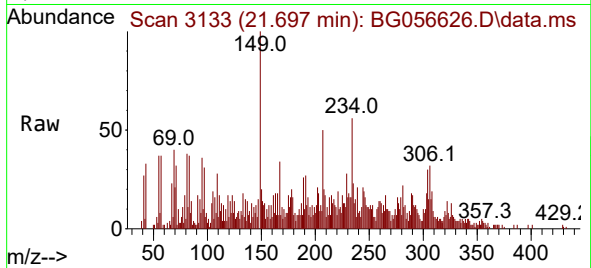
Tgt Ion:228 Resp: 325515
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.4
229 23.9 16.4 24.6



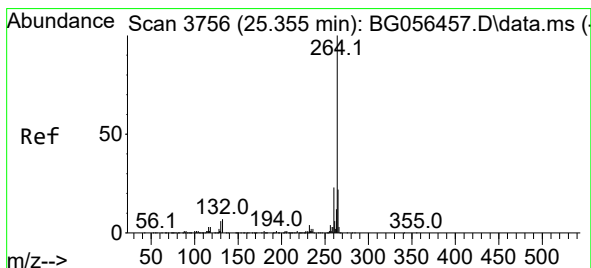
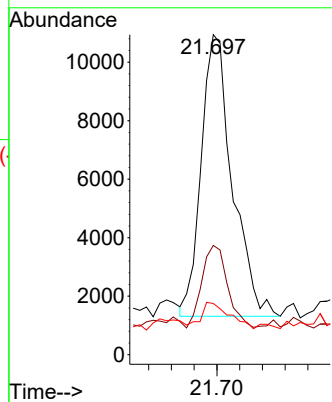
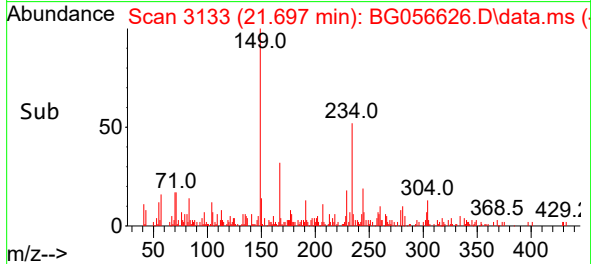


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.625 ng
 RT: 21.697 min Scan# 3146
 Delta R.T. -0.000 min
 Lab File: BG056626.D
 Acq: 13 Feb 2023 19:28

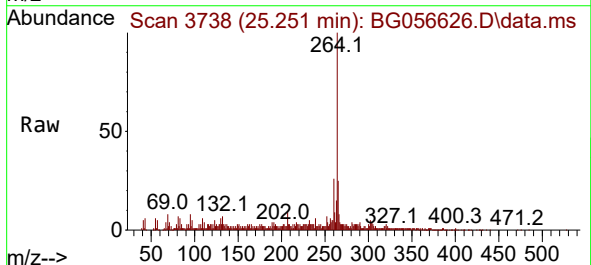
Instrument :
 BNA_G
 ClientSampleId :



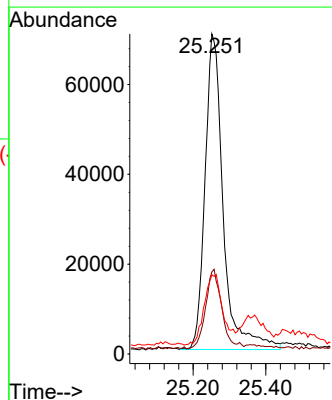
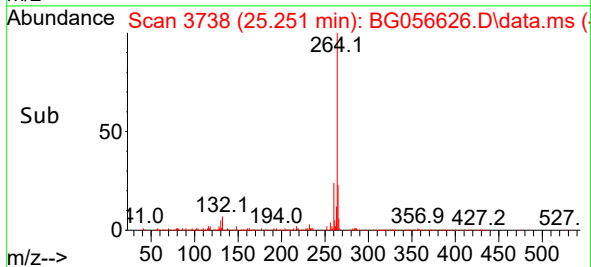
Tgt Ion:149 Resp: 18282
 Ion Ratio Lower Upper
 149 100
 167 34.1 23.4 35.2
 279 16.0 4.4 6.6#

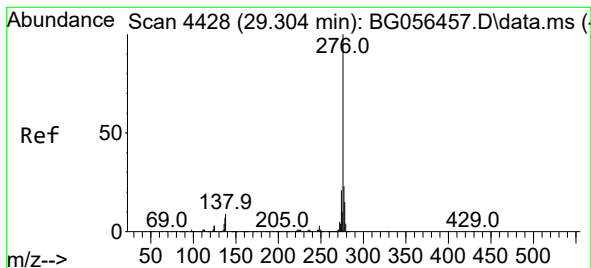


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.251 min Scan# 3738
 Delta R.T. 0.017 min
 Lab File: BG056626.D
 Acq: 13 Feb 2023 19:28



Tgt Ion:264 Resp: 244243
 Ion Ratio Lower Upper
 264 100
 260 25.7 18.2 27.4
 265 24.7 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.830 ng

RT: 29.165 min Scan# 4428

Delta R.T. 0.035 min

Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

Instrument :

BNA_G

ClientSampleId :

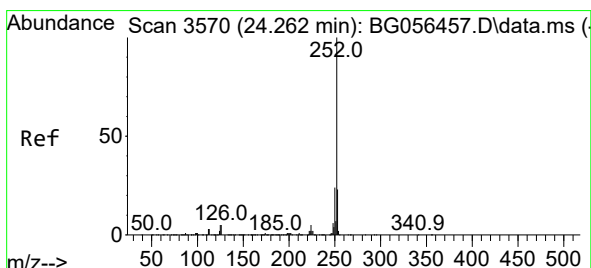
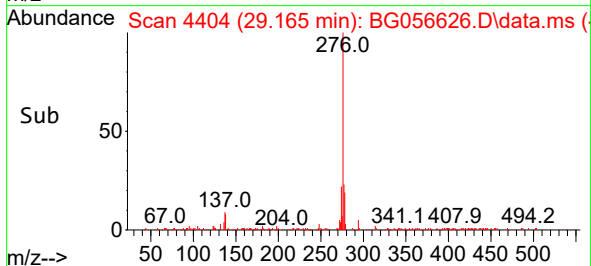
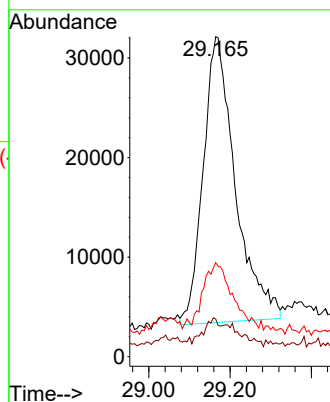
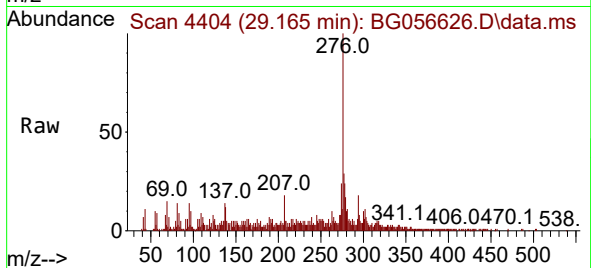
Tgt Ion:276 Resp: 157879

Ion Ratio Lower Upper

276 100

138 4.3 9.4 14.2#

277 20.1 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 32.200 ng

RT: 24.170 min Scan# 3554

Delta R.T. 0.011 min

Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

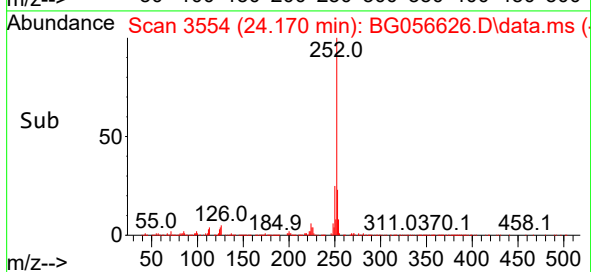
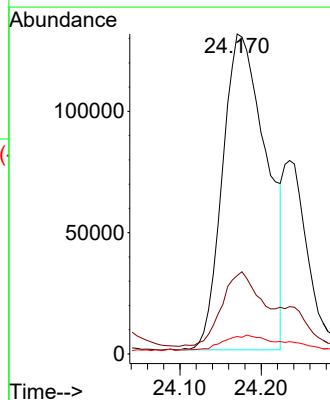
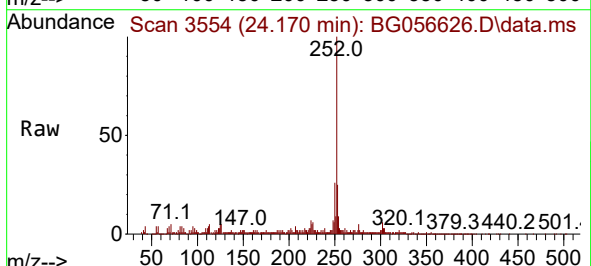
Tgt Ion:252 Resp: 488156

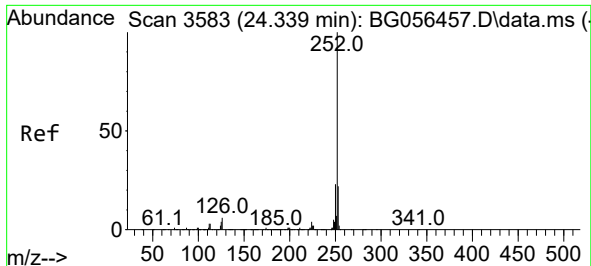
Ion Ratio Lower Upper

252 100

253 24.5 18.1 27.1

125 5.5 3.9 5.9

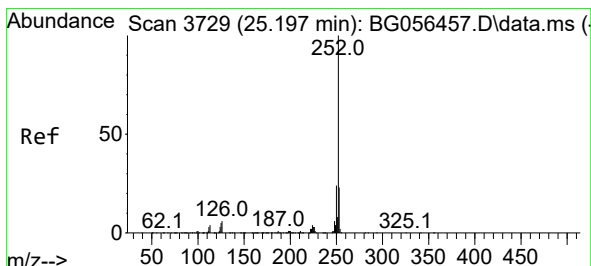
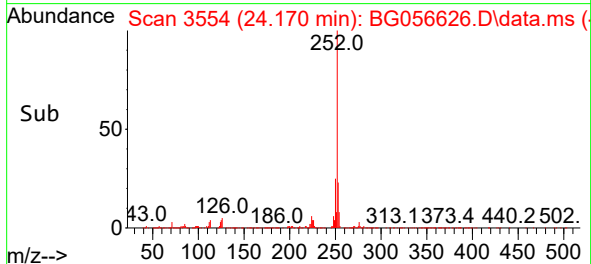
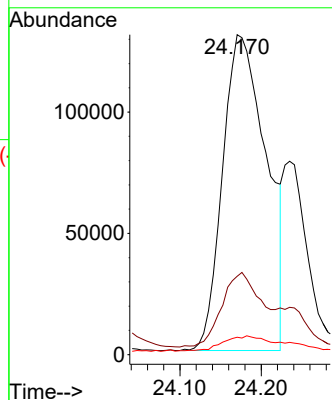
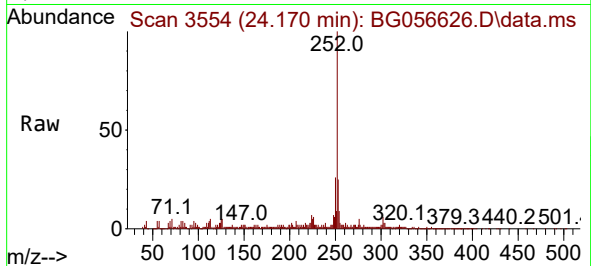




#89
Benzo(k)fluoranthene
Concen: 31.893 ng
RT: 24.170 min Scan# 31
Delta R.T. -0.059 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

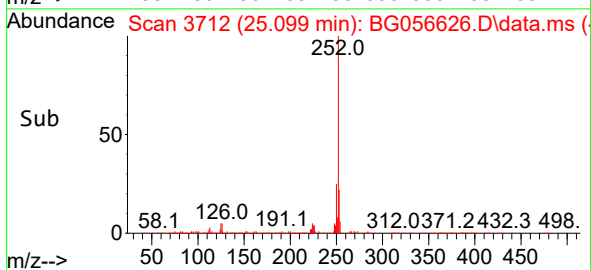
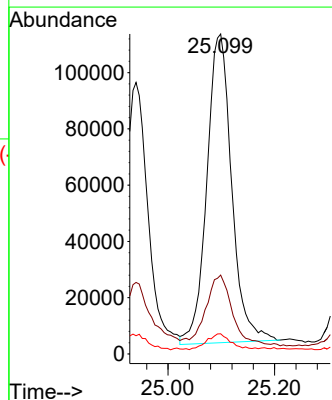
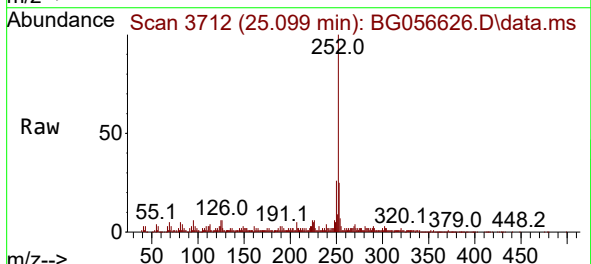
Instrument :
BNA_G
ClientSampleId :

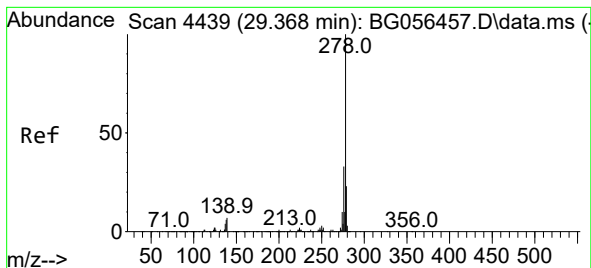
Tgt Ion:252 Resp: 488156
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 5.5 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 23.816 ng
RT: 25.099 min Scan# 3712
Delta R.T. 0.017 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Tgt Ion:252 Resp: 355655
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 6.3 4.1 6.1#





#91

Dibenzo(a,h)anthracene

Concen: 3.034 ng

RT: 29.188 min Scan# 4439

Delta R.T. 0.005 min

Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

Instrument :

BNA_G

ClientSampleId :

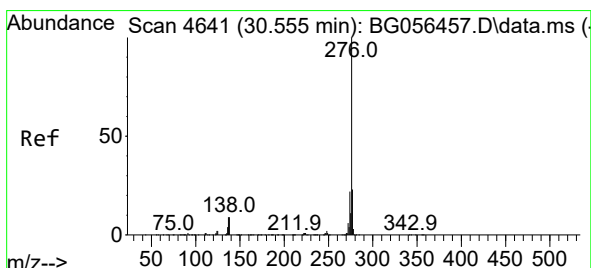
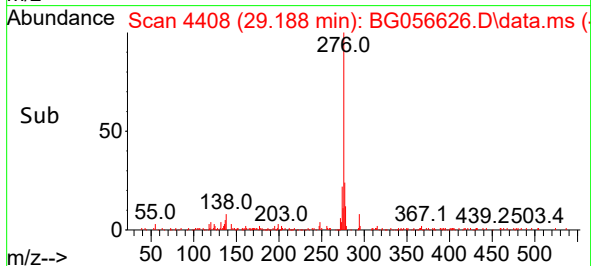
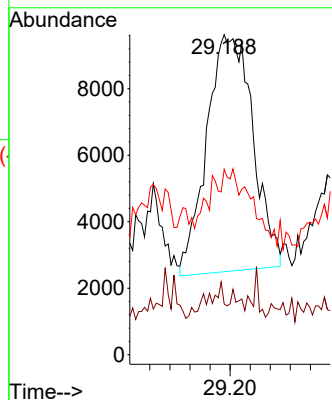
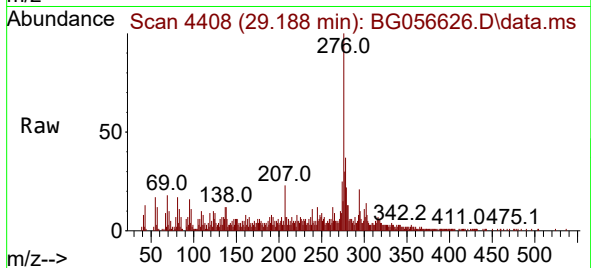
Tgt Ion:278 Resp: 45534

Ion Ratio Lower Upper

278 100

139 15.8 5.5 8.3#

279 57.9 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 13.973 ng

RT: 30.404 min Scan# 4615

Delta R.T. 0.052 min

Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

Tgt Ion:276 Resp: 202339

Ion Ratio Lower Upper

276 100

277 27.8 18.5 27.7#

138 11.5 7.4 11.0#

