

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012323\
 Data File : BG056390.D
 Acq On : 23 Jan 2023 19:09
 Operator : CG/JU
 Sample : 01233-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-P37A

Quant Time: Jan 24 01:23:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

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

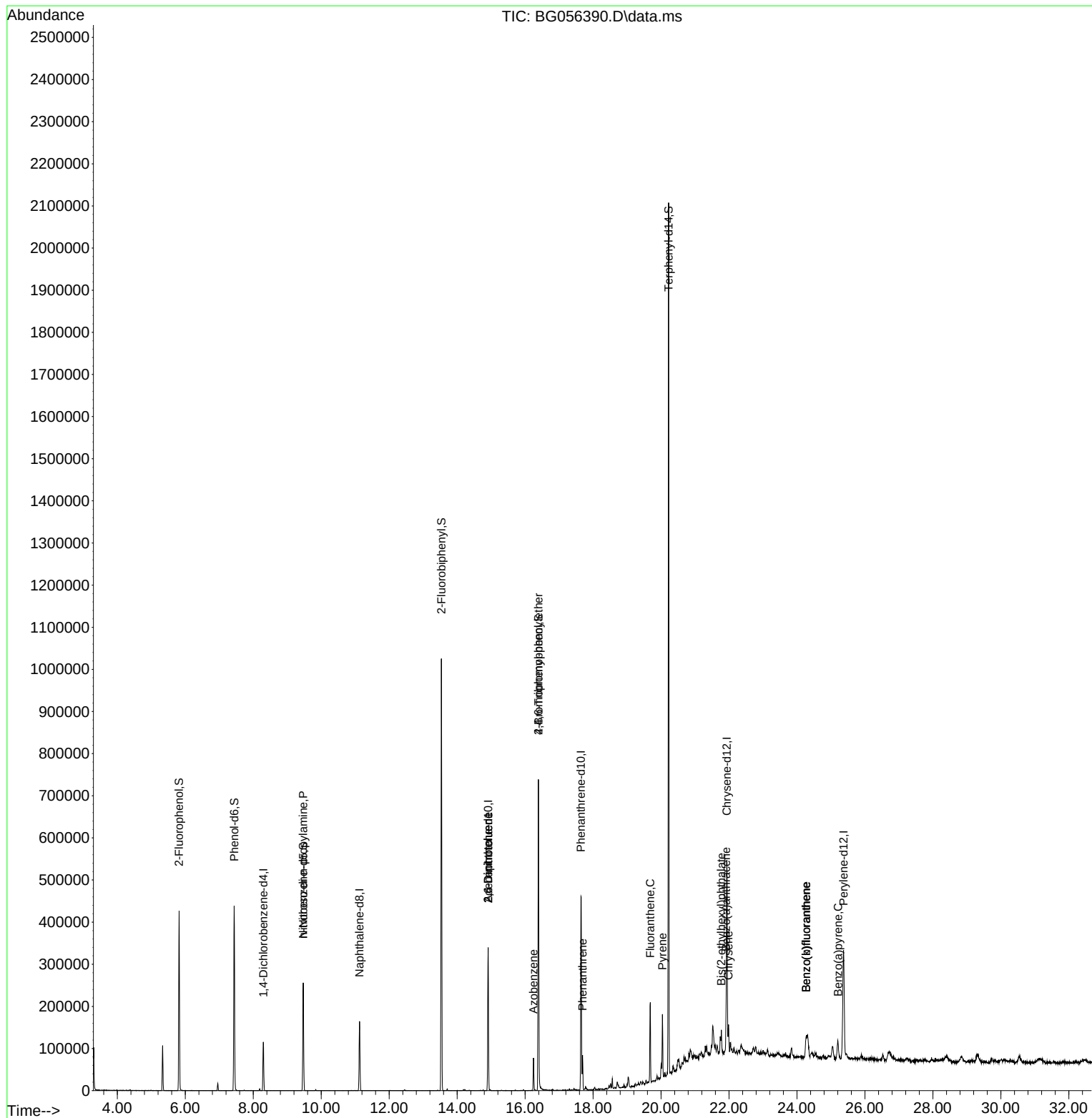
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.296	152	38461	20.000	ng	0.00
21) Naphthalene-d8	11.128	136	155511	20.000	ng	0.00
39) Acenaphthene-d10	14.912	164	129252	20.000	ng	0.00
64) Phenanthrene-d10	17.644	188	335669	20.000	ng	-0.02
76) Chrysene-d12	21.939	240	299254	20.000	ng	#-0.02
86) Perylene-d12	25.370	264	323323	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.817	112	241042	111.900	ng	0.00
7) Phenol-d6	7.438	99	338643	102.369	ng	0.00
23) Nitrobenzene-d5	9.471	82	178808	58.815	ng	-0.02
42) 2,4,6-Tribromophenol	16.393	330	165438	101.064	ng	0.00
45) 2-Fluorobiphenyl	13.537	172	590233	63.059	ng	0.00
79) Terphenyl-d14	20.223	244	1134737	67.915	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.471	70	21811	10.843	ng	# 73
51) 2,6-Dinitrotoluene	14.912	165	16704	7.513	ng	# 31
57) 2,4-Dinitrotoluene	14.912	165	16704	5.372	ng	# 28
63) Azobenzene	16.246	77	19945	2.641	ng	# 1
67) 4-Bromophenyl-phenylether	16.393	248	12607	2.949	ng	# 1
71) Phenanthrene	17.691	178	54723	3.146	ng	98
75) Fluoranthene	19.683	202	131170	5.781	ng	99
78) Pyrene	20.041	202	103619	4.913	ng	98
81) Benzo(a)anthracene	21.916	228	50145	2.386	ng	98
83) Chrysene	21.986	228	56308	2.860	ng	98
84) Bis(2-ethylhexyl)phtha...	21.775	149	25154	2.885	ng	# 96
88) Benzo(b)fluoranthene	24.272	252	76181	3.708	ng	# 97
89) Benzo(k)fluoranthene	24.272	252	76181	3.724	ng	# 97
90) Benzo(a)pyrene	25.206	252	48873	2.439	ng	# 97

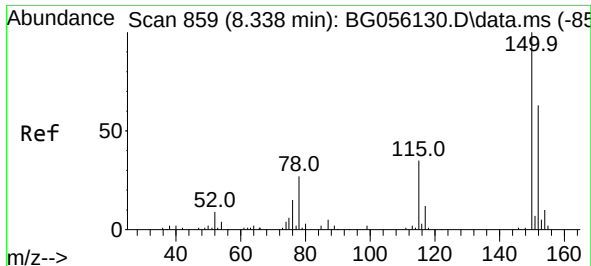
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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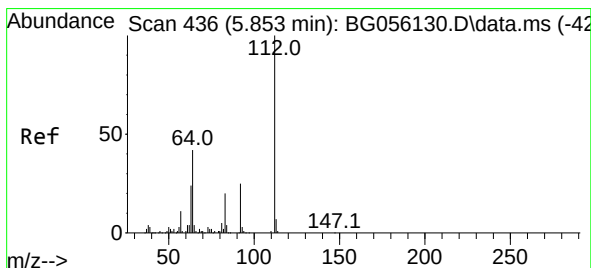
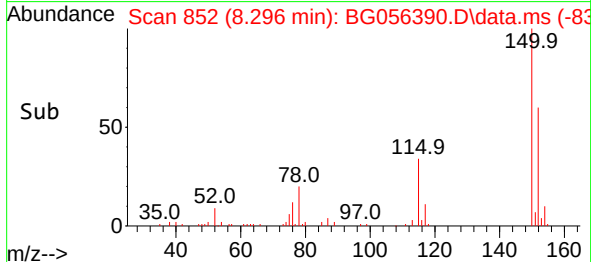
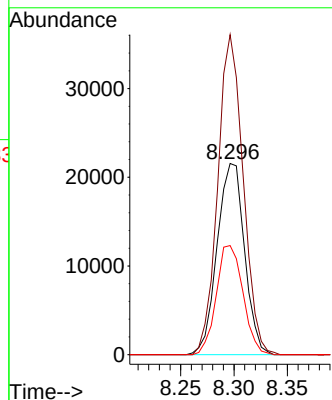
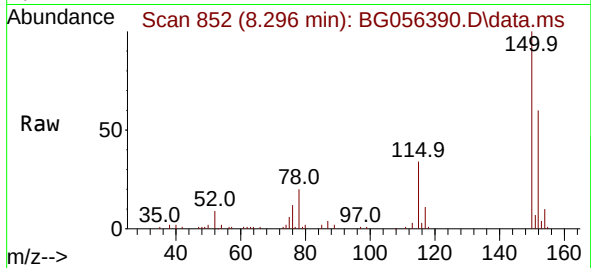




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.296 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

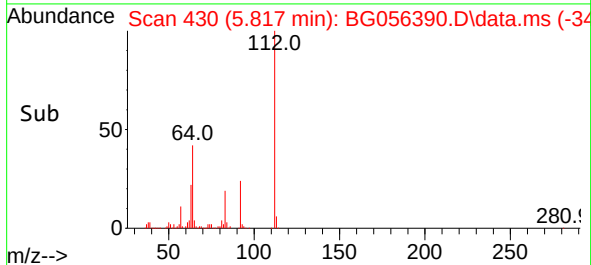
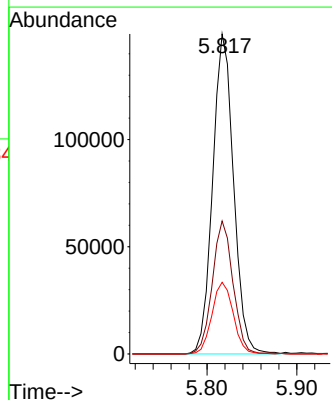
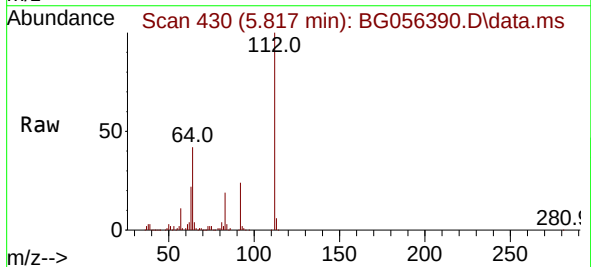
Instrument :
BNA_G
ClientSampleId :
B-P37A

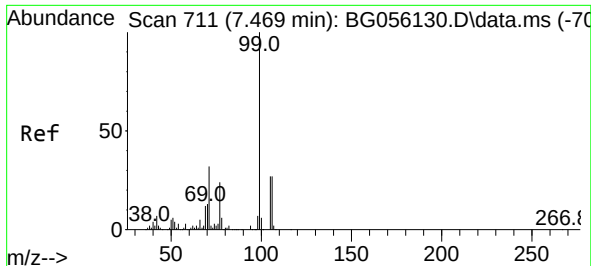
Tgt Ion:152 Resp: 38461
Ion Ratio Lower Upper
152 100
150 167.3 127.9 191.9
115 57.0 44.2 66.2



#5
2-Fluorophenol
Concen: 111.900 ng
RT: 5.817 min Scan# 430
Delta R.T. -0.010 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

Tgt Ion:112 Resp: 241042
Ion Ratio Lower Upper
112 100
64 41.5 33.3 49.9
63 22.4 19.0 28.4

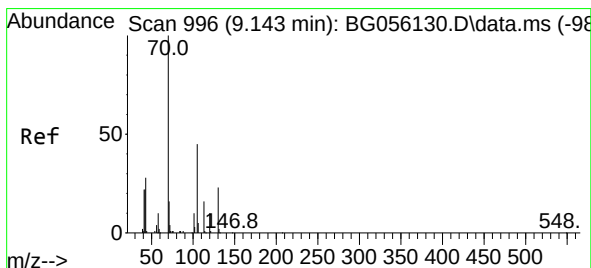
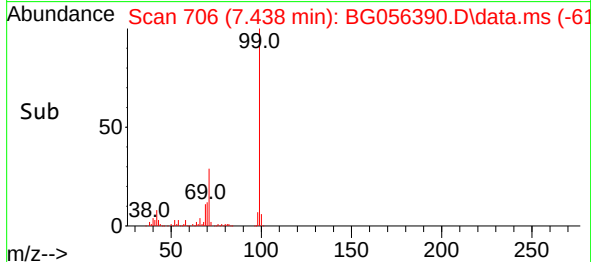
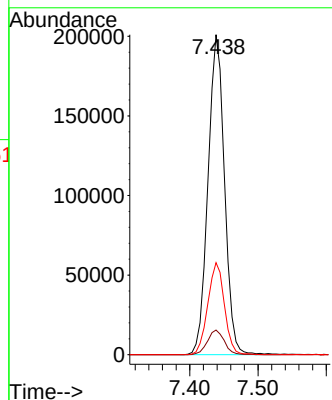
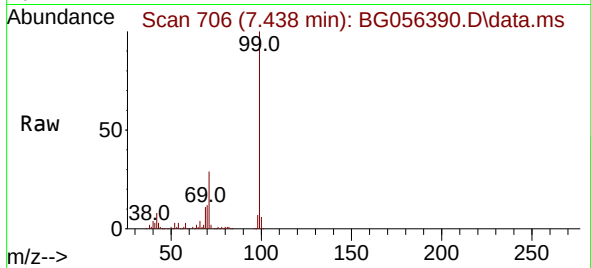




#7
Phenol-d6
Concen: 102.369 ng
RT: 7.438 min Scan# 711
Delta R.T. -0.010 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

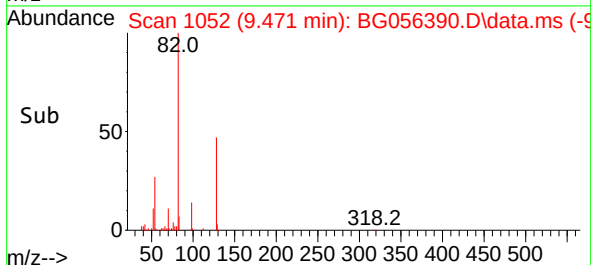
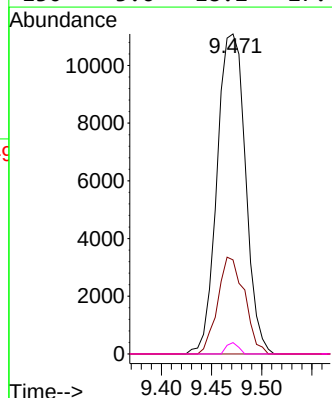
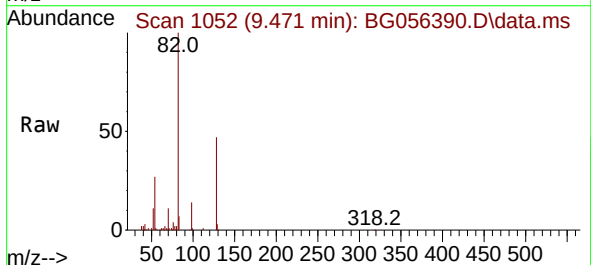
Instrument :
BNA_G
ClientSampleId :
B-P37A

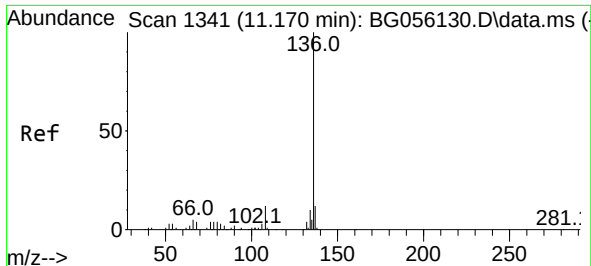
Tgt Ion: 99 Resp: 338643
Ion Ratio Lower Upper
99 100
42 7.7 5.9 8.9
71 28.7 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.843 ng
RT: 9.471 min Scan# 1052
Delta R.T. 0.360 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

Tgt Ion: 70 Resp: 21811
Ion Ratio Lower Upper
70 100
42 29.4 18.2 27.2#
101 0.0 8.3 12.5#
130 3.6 18.2 27.4#

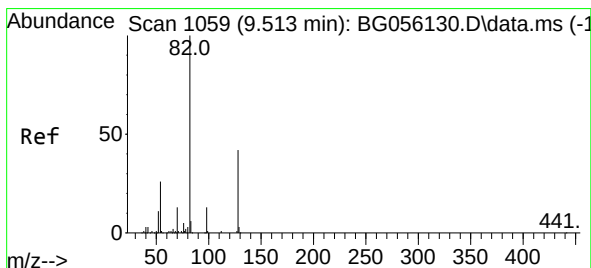
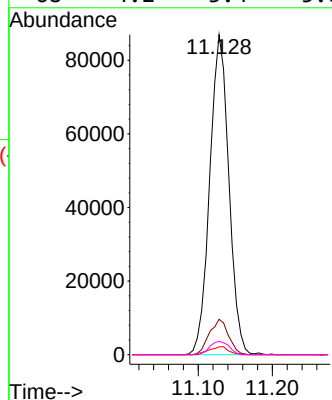
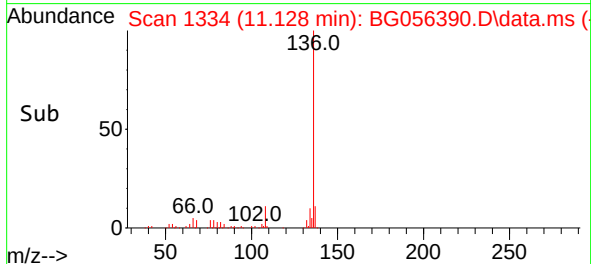
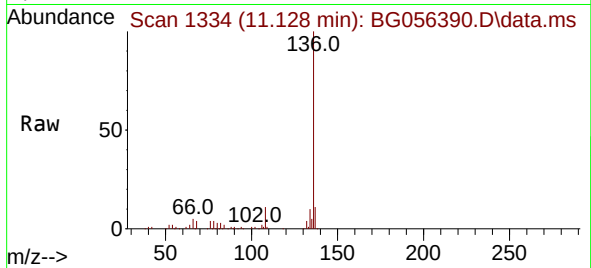




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.128 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

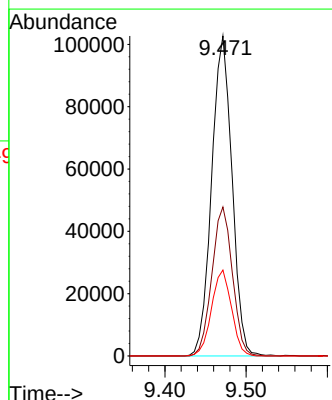
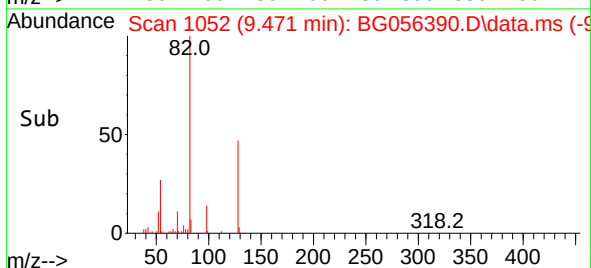
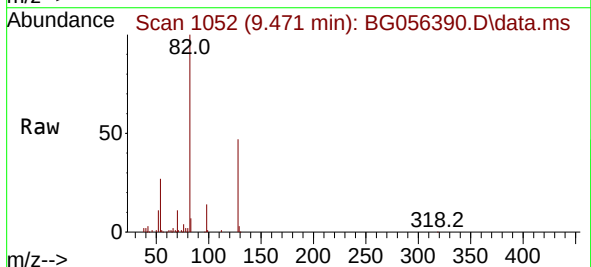
Instrument :
BNA_G
ClientSampleId :
B-P37A

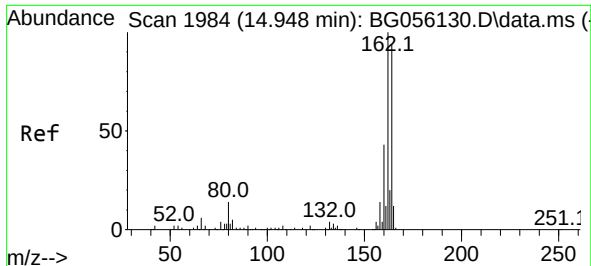
Tgt Ion:136 Resp: 155511
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.0
54 2.4 2.2 3.2
68 4.2 3.4 5.0



#23
Nitrobenzene-d5
Concen: 58.815 ng
RT: 9.471 min Scan# 1052
Delta R.T. -0.016 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

Tgt Ion: 82 Resp: 178808
Ion Ratio Lower Upper
82 100
128 46.6 33.4 50.2
54 26.8 20.3 30.5

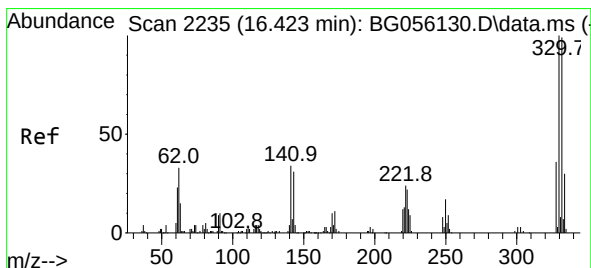
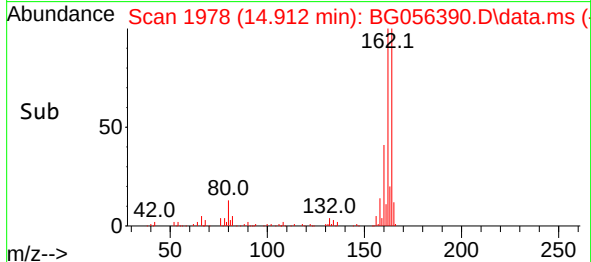
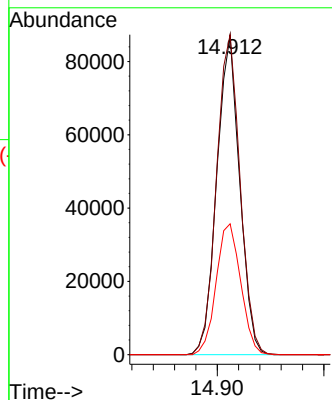
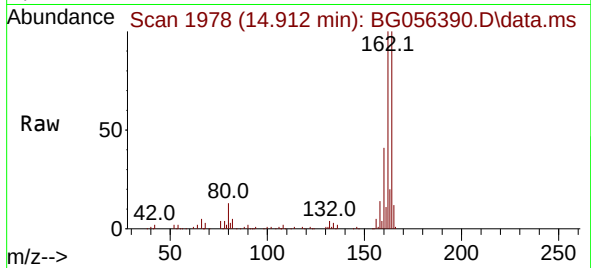




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.912 min Scan# 1984
Delta R.T. -0.010 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

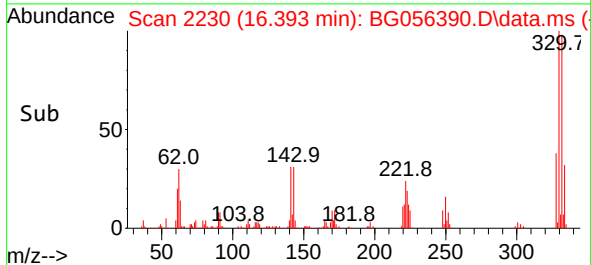
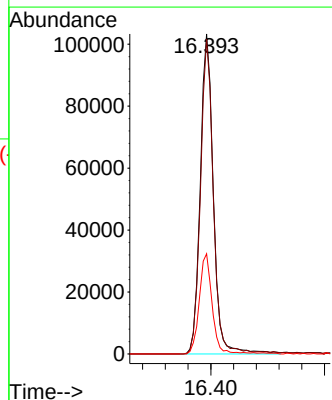
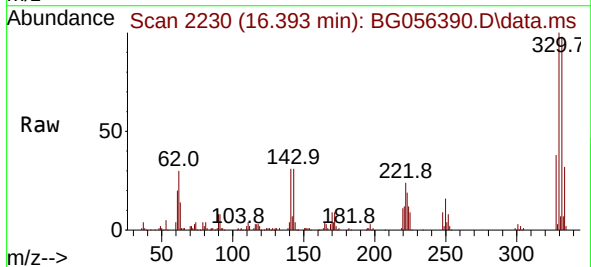
Instrument :
BNA_G
ClientSampleId :
B-P37A

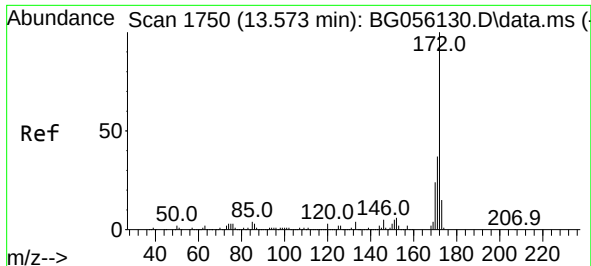
Tgt Ion:164 Resp: 129252
Ion Ratio Lower Upper
164 100
162 100.2 84.7 127.1
160 41.0 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 101.064 ng
RT: 16.393 min Scan# 2230
Delta R.T. -0.010 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

Tgt Ion:330 Resp: 165438
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 30.6 27.9 41.9

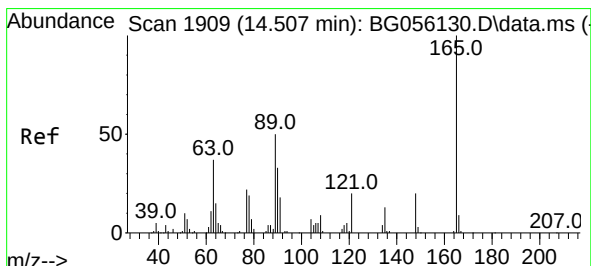
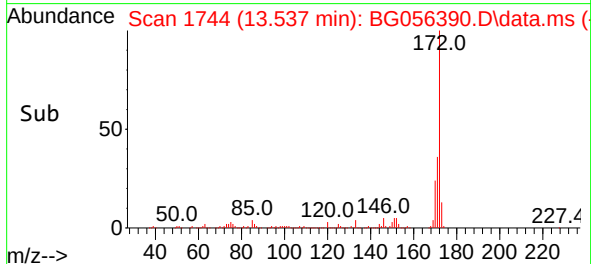
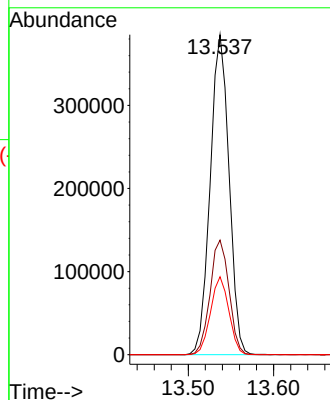
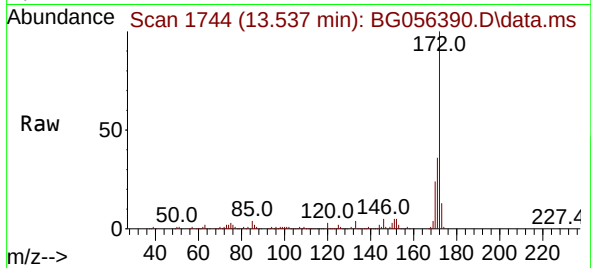




#45
2-Fluorobiphenyl
Concen: 63.059 ng
RT: 13.537 min Scan# 1744
Delta R.T. -0.010 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

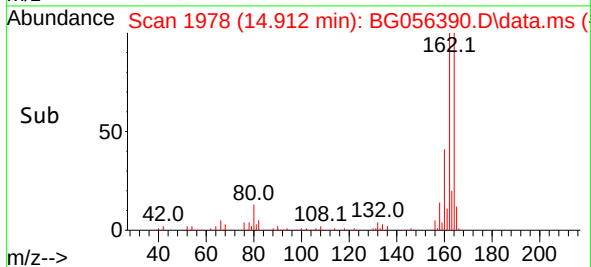
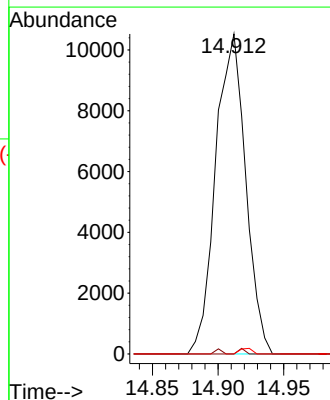
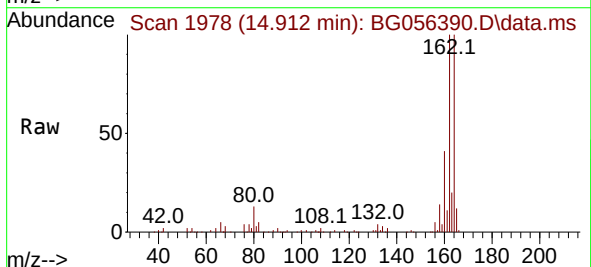
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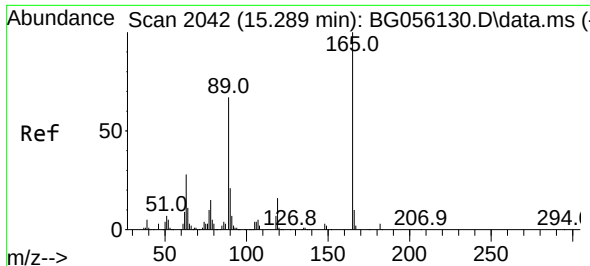
Tgt Ion:172 Resp: 590233
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 24.3 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.513 ng
RT: 14.912 min Scan# 1978
Delta R.T. 0.425 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

Tgt Ion:165 Resp: 16704
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 0.0 39.8 59.8#

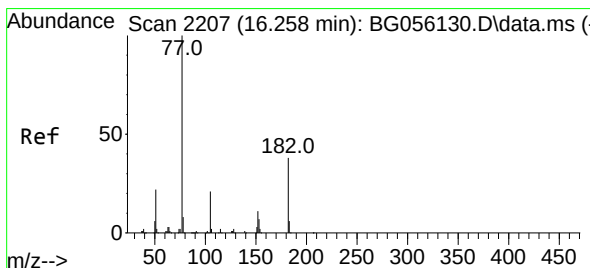
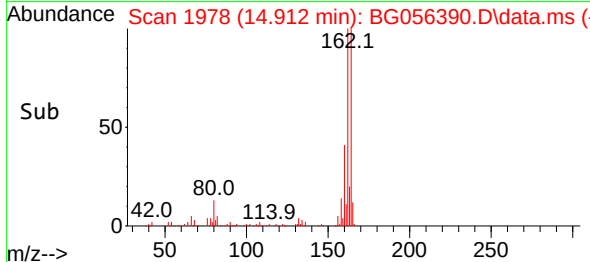
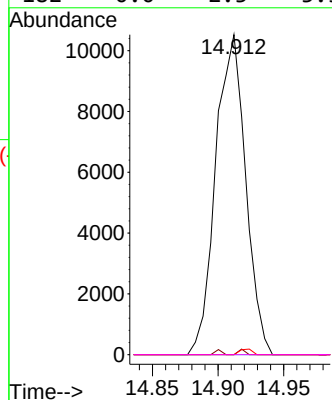
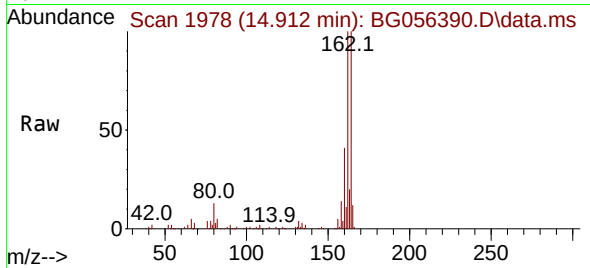




#57
2,4-Dinitrotoluene
Concen: 5.372 ng
RT: 14.912 min Scan# 1978
Delta R.T. -0.362 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

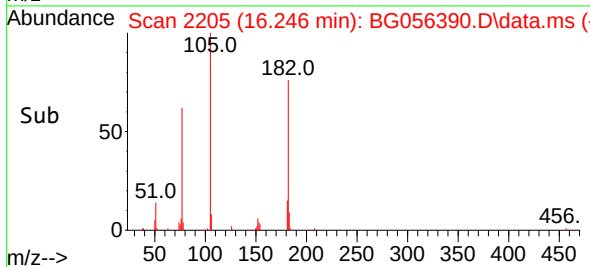
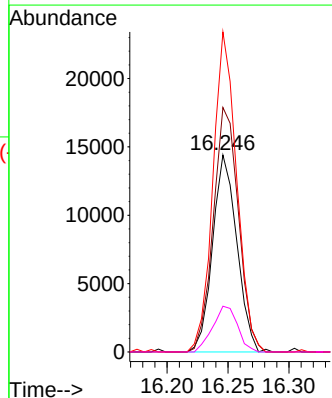
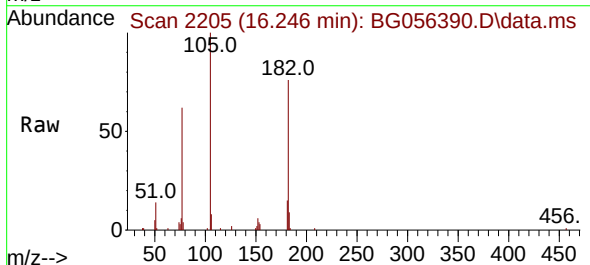
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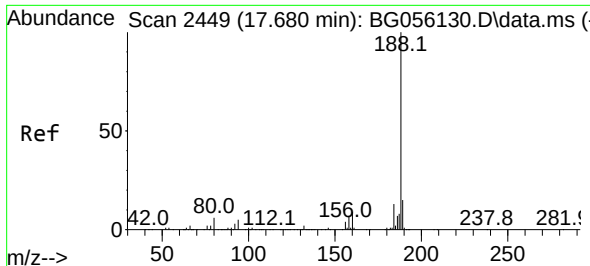
Tgt Ion:165 Resp: 16704
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 0.0 53.2 79.8#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.641 ng
RT: 16.246 min Scan# 2205
Delta R.T. 0.008 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

Tgt Ion: 77 Resp: 19945
Ion Ratio Lower Upper
77 100
182 124.2 18.5 58.5#
105 162.5 1.4 41.4#
51 23.3 1.5 41.5

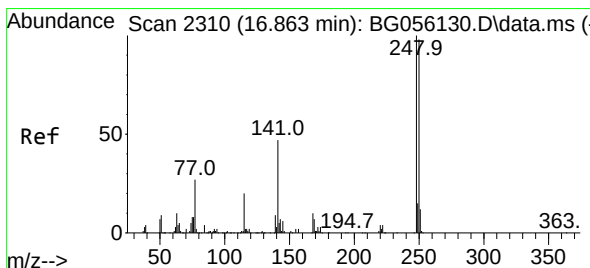
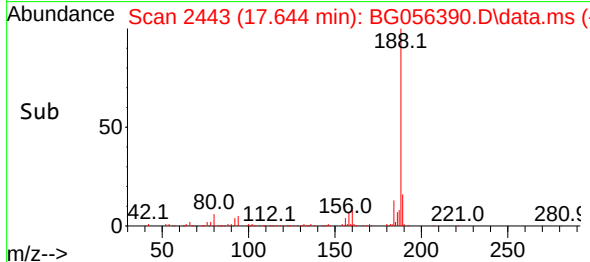
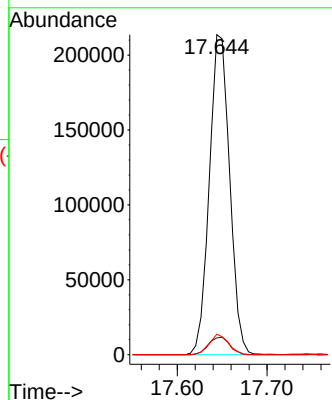
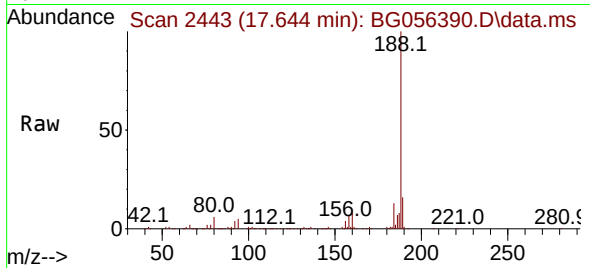




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.644 min Scan# 2449
Delta R.T. -0.016 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

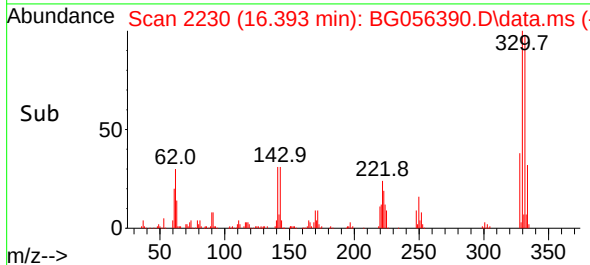
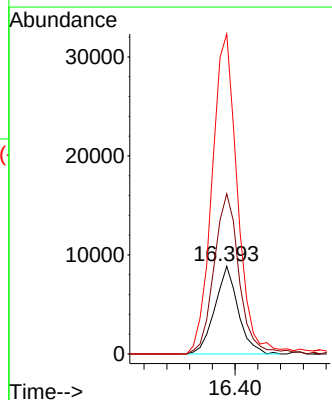
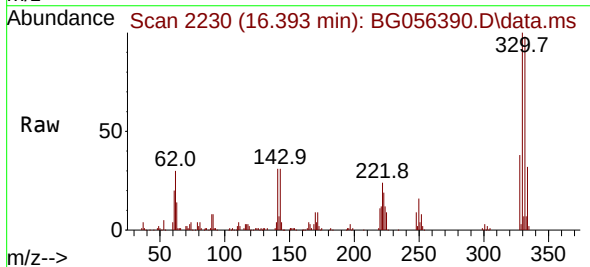
Instrument :
BNA_G
ClientSampleId :
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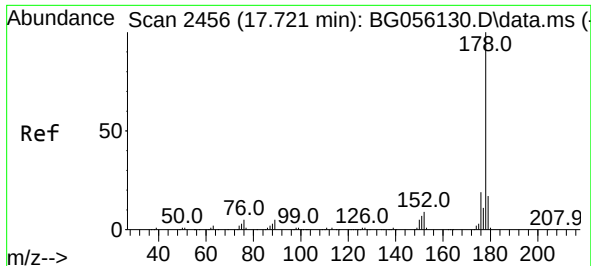
Tgt Ion:188 Resp: 335669
Ion Ratio Lower Upper
188 100
94 5.2 4.2 6.2
80 6.4 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 2.949 ng
RT: 16.393 min Scan# 2230
Delta R.T. -0.444 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

Tgt Ion:248 Resp: 12607
Ion Ratio Lower Upper
248 100
250 232.0 78.2 117.4#
141 365.0 37.6 56.4#

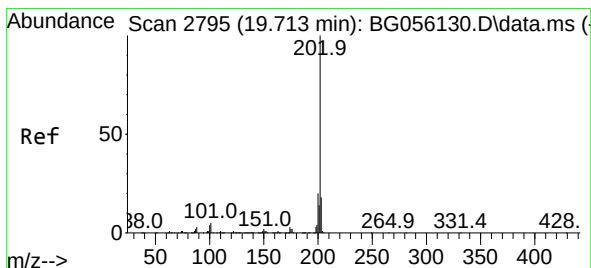
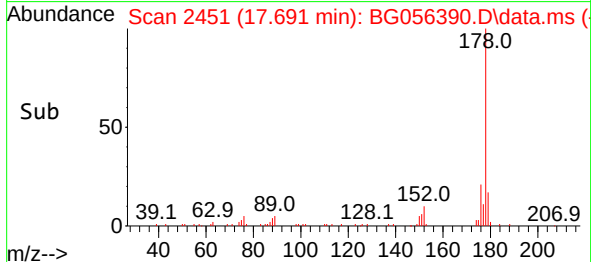
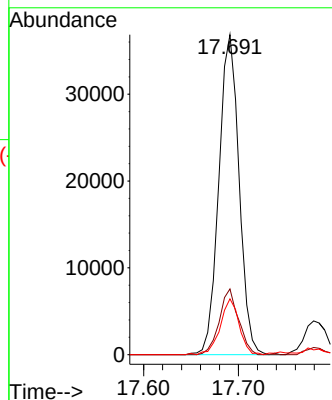
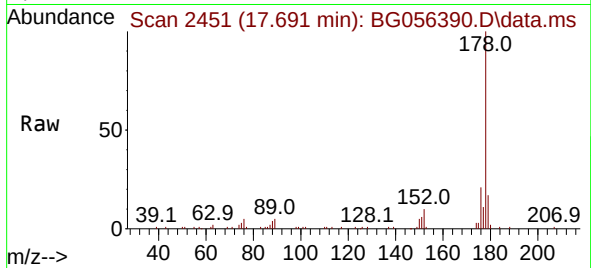




#71
Phenanthrene
Concen: 3.146 ng
RT: 17.691 min Scan# 2456
Delta R.T. -0.010 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

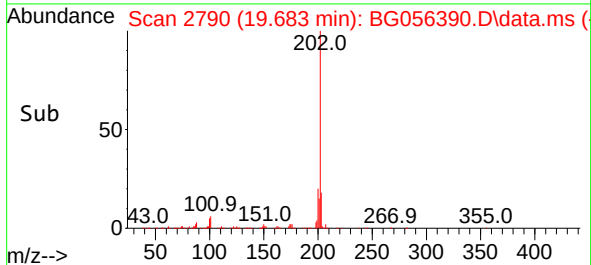
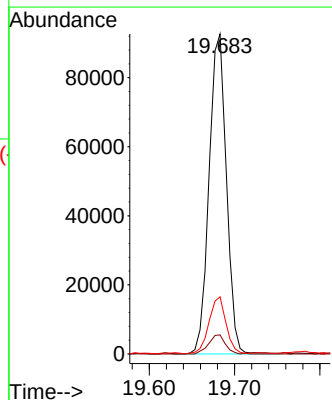
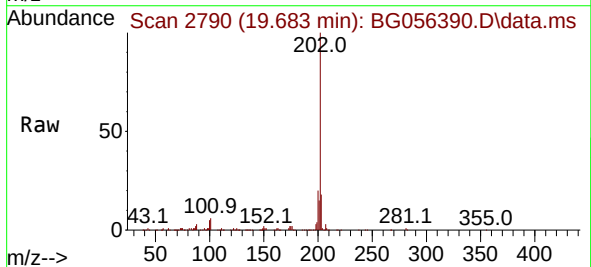
Instrument :
BNA_G
ClientSampleId :
B-P37A

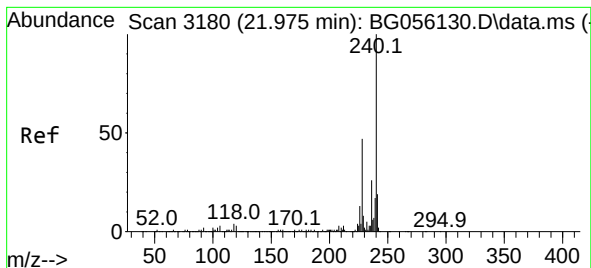
Tgt Ion:178 Resp: 54723
Ion Ratio Lower Upper
178 100
176 20.6 15.4 23.0
179 17.5 13.6 20.4



#75
Fluoranthene
Concen: 5.781 ng
RT: 19.683 min Scan# 2790
Delta R.T. -0.010 min
Lab File: BG056390.D
Acq: 23 Jan 2023 19:09

Tgt Ion:202 Resp: 131170
Ion Ratio Lower Upper
202 100
101 5.9 0.0 25.0
203 17.8 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.939 min Scan# 31

Delta R.T. -0.016 min

Lab File: BG056390.D

Acq: 23 Jan 2023 19:09

Instrument :

BNA_G

ClientSampleId :

B-P37A

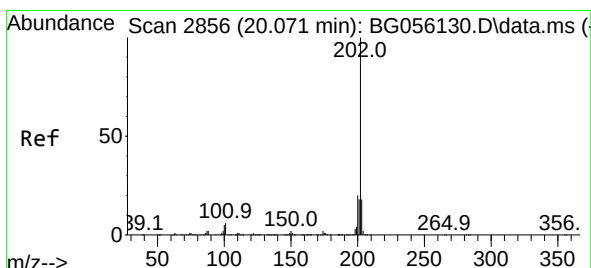
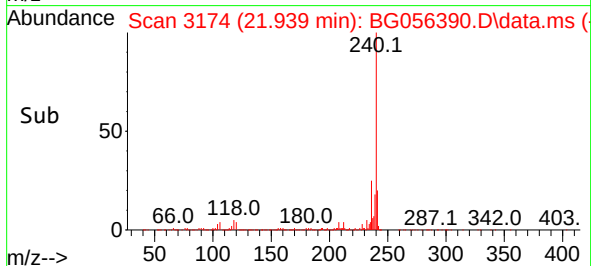
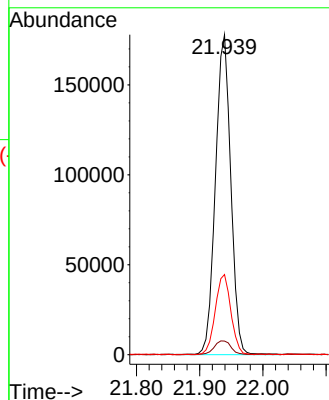
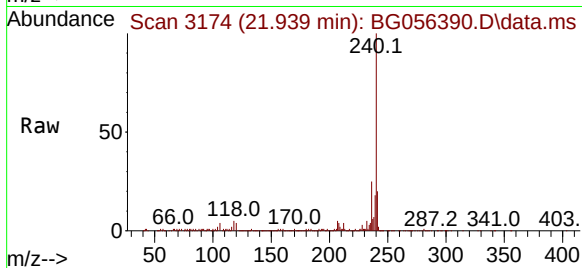
Tgt Ion:240 Resp: 299254

Ion Ratio Lower Upper

240 100

120 4.3 2.6 4.0#

236 25.1 20.8 31.2



#78

Pyrene

Concen: 4.913 ng

RT: 20.041 min Scan# 2851

Delta R.T. -0.010 min

Lab File: BG056390.D

Acq: 23 Jan 2023 19:09

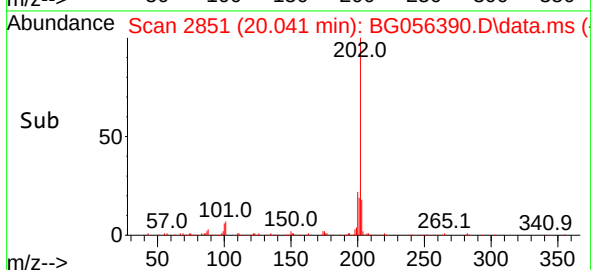
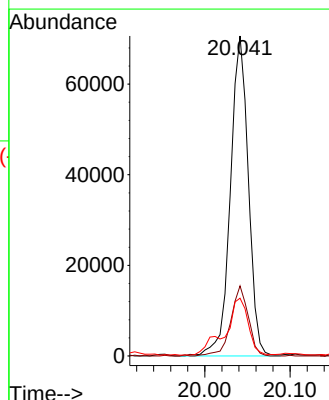
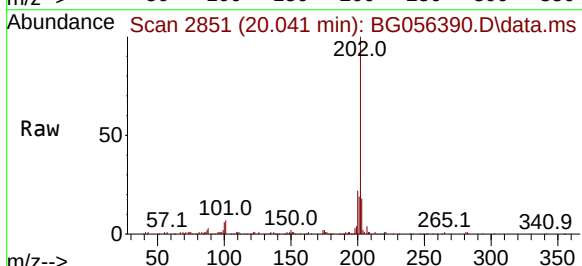
Tgt Ion:202 Resp: 103619

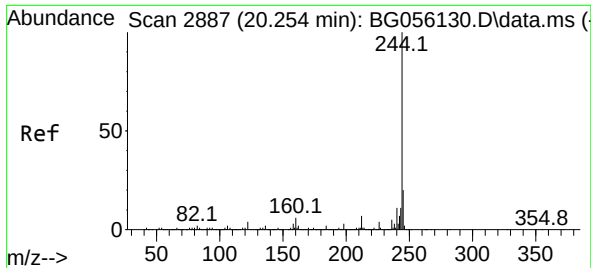
Ion Ratio Lower Upper

202 100

200 21.9 16.4 24.6

203 18.1 14.3 21.5

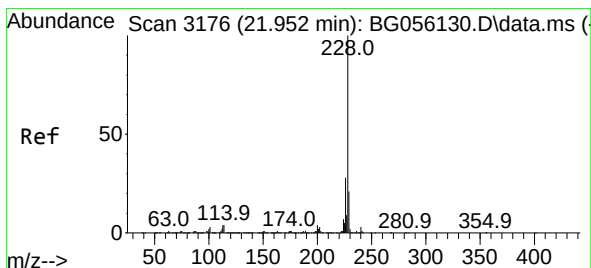
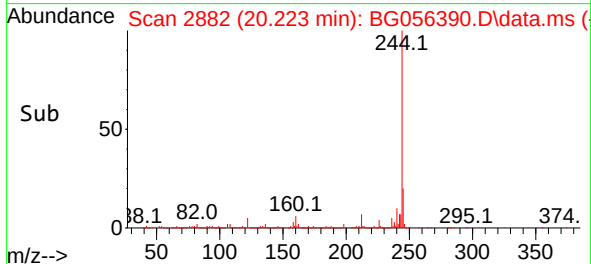
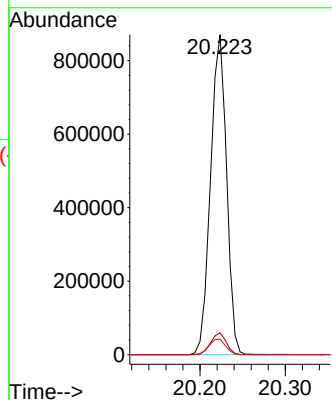
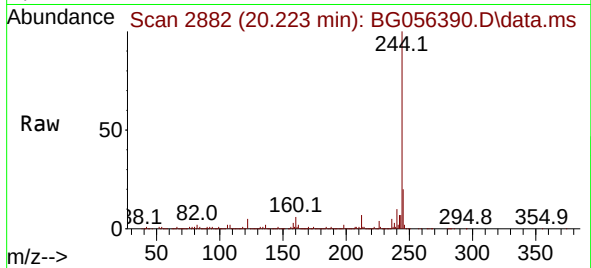




#79
 Terphenyl-d14
 Concen: 67.915 ng
 RT: 20.223 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG056390.D
 Acq: 23 Jan 2023 19:09

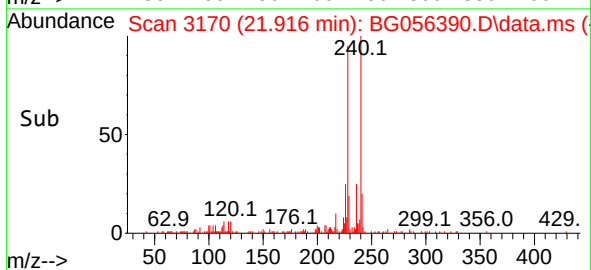
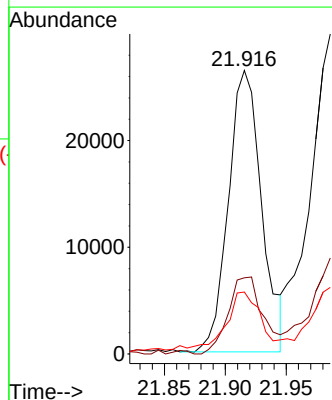
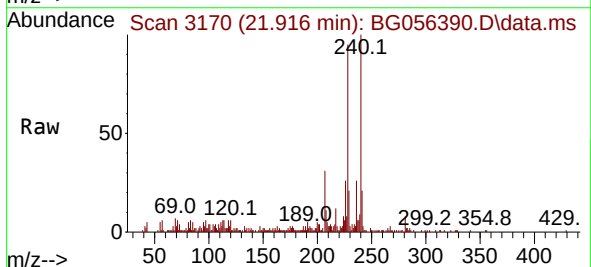
Instrument :
 BNA_G
 ClientSampleId :
 B-P37A

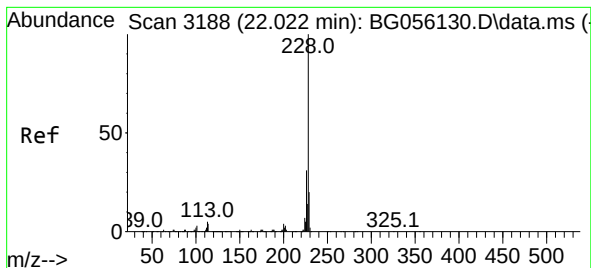
Tgt Ion:244 Resp: 1134737
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 4.8 3.5 5.3



#81
 Benzo(a)anthracene
 Concen: 2.386 ng
 RT: 21.916 min Scan# 3170
 Delta R.T. -0.016 min
 Lab File: BG056390.D
 Acq: 23 Jan 2023 19:09

Tgt Ion:228 Resp: 50145
 Ion Ratio Lower Upper
 228 100
 226 26.9 22.6 34.0
 229 21.8 16.9 25.3





#83

Chrysene

Concen: 2.860 ng

RT: 21.986 min Scan# 3188

Delta R.T. -0.016 min

Lab File: BG056390.D

Acq: 23 Jan 2023 19:09

Instrument :

BNA_G

ClientSampleId :

B-P37A

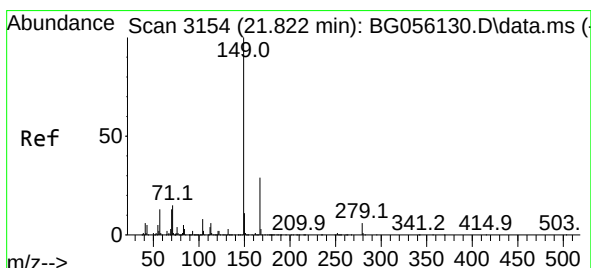
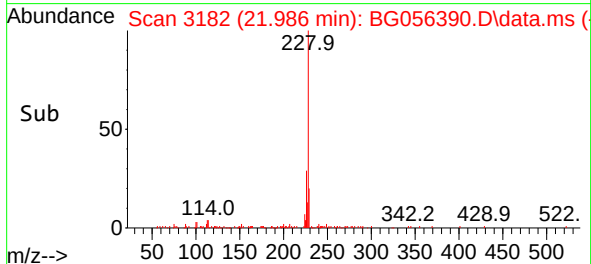
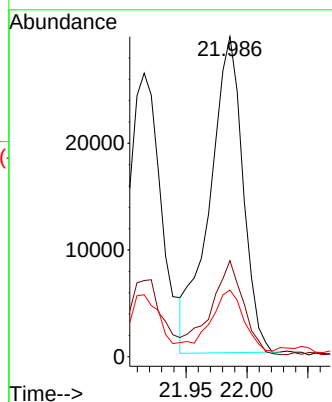
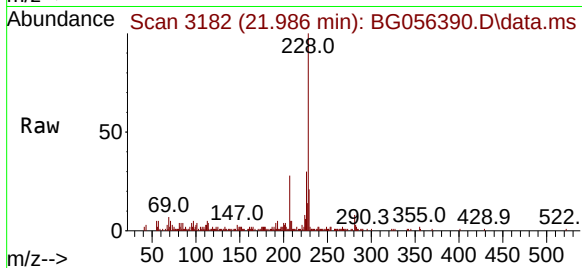
Tgt Ion:228 Resp: 56308

Ion Ratio Lower Upper

228 100

226 30.0 24.6 36.8

229 20.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.885 ng

RT: 21.775 min Scan# 3146

Delta R.T. -0.021 min

Lab File: BG056390.D

Acq: 23 Jan 2023 19:09

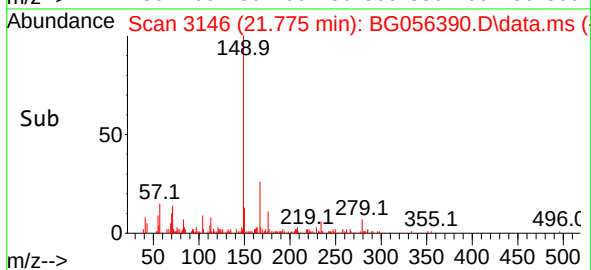
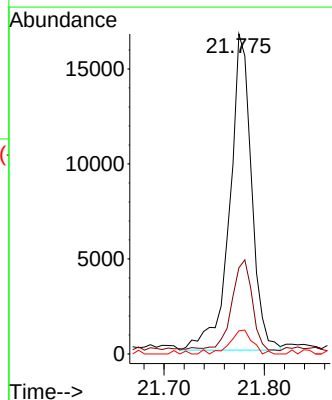
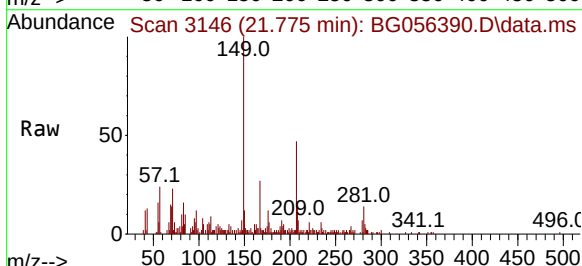
Tgt Ion:149 Resp: 25154

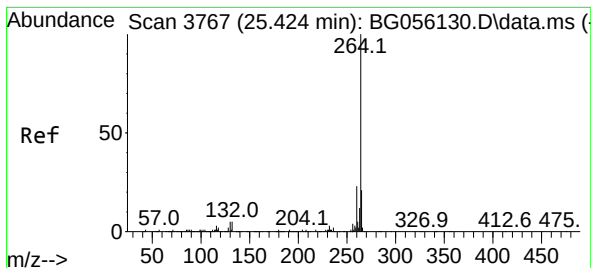
Ion Ratio Lower Upper

149 100

167 27.0 23.4 35.2

279 7.2 4.7 7.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.370 min Scan# 31

Delta R.T. -0.021 min

Lab File: BG056390.D

Acq: 23 Jan 2023 19:09

Instrument :

BNA_G

ClientSampleId :

B-P37A

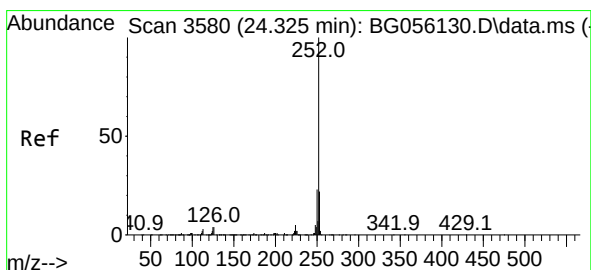
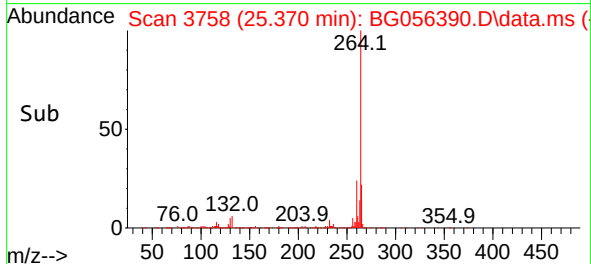
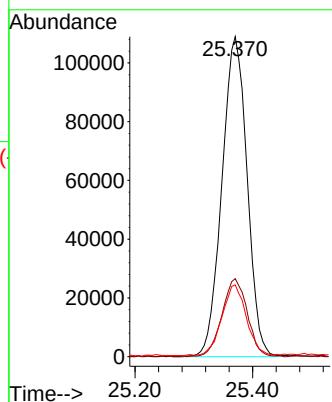
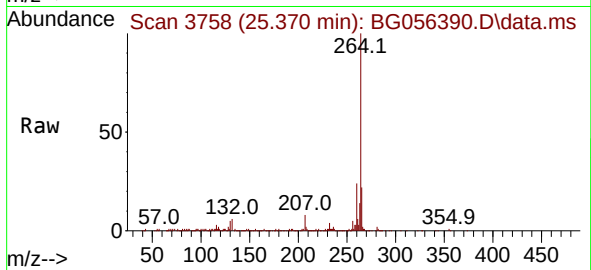
Tgt Ion:264 Resp: 323323

Ion Ratio Lower Upper

264 100

260 24.4 18.6 28.0

265 22.5 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 3.708 ng

RT: 24.272 min Scan# 3571

Delta R.T. -0.021 min

Lab File: BG056390.D

Acq: 23 Jan 2023 19:09

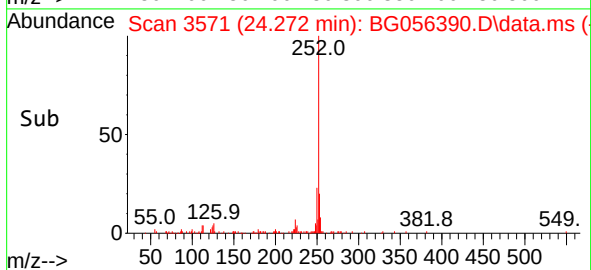
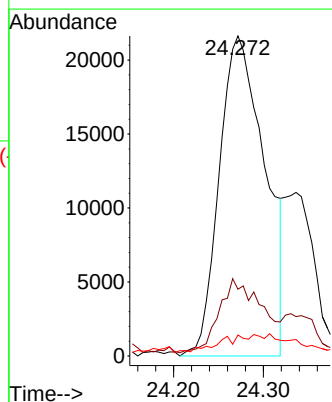
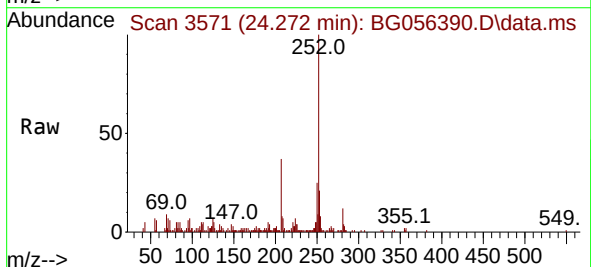
Tgt Ion:252 Resp: 76181

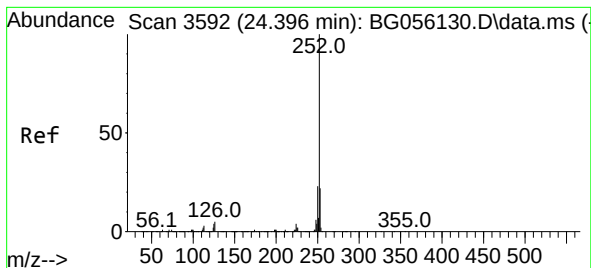
Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.2

125 6.5 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 3.724 ng

RT: 24.272 min Scan# 3

Delta R.T. -0.098 min

Lab File: BG056390.D

Acq: 23 Jan 2023 19:09

Instrument :

BNA_G

ClientSampleId :

B-P37A

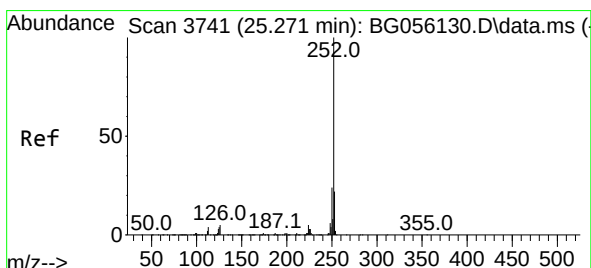
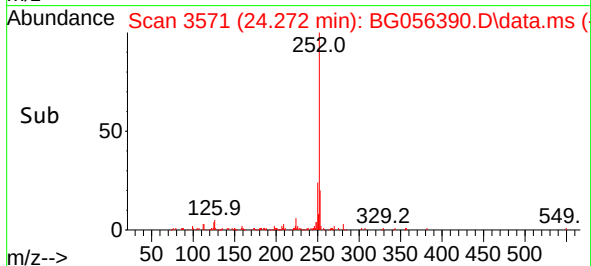
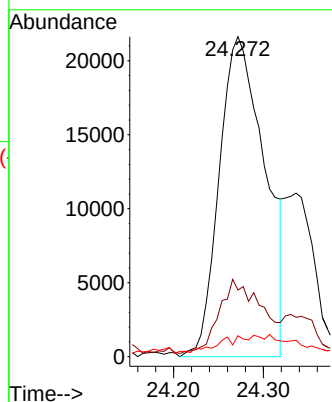
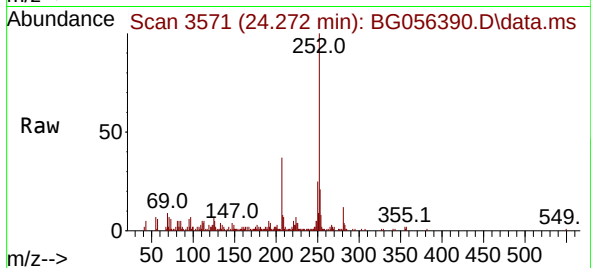
Tgt Ion:252 Resp: 76181

Ion Ratio Lower Upper

252 100

253 20.9 17.5 26.3

125 6.5 3.4 5.0#



#90

Benzo(a)pyrene

Concen: 2.439 ng

RT: 25.206 min Scan# 3730

Delta R.T. -0.021 min

Lab File: BG056390.D

Acq: 23 Jan 2023 19:09

Tgt Ion:252 Resp: 48873

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 6.9 3.2 4.8#

