

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
 Data File : BG056416.D
 Acq On : 24 Jan 2023 23:57
 Operator : CG/JU
 Sample : 01254-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

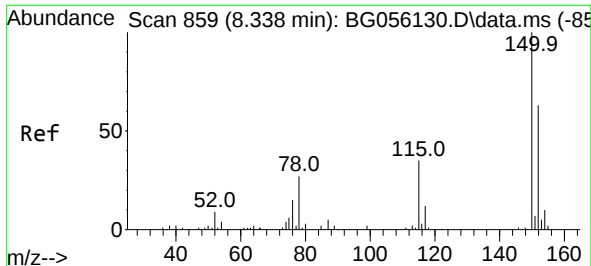
Instrument :
 BNA_G
 ClientSampleId :
 HR-04-012023

Quant Time: Jan 25 05:36:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 04:54:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.293	152	48835	20.000	ng	0.00
21) Naphthalene-d8	11.125	136	181855	20.000	ng	0.00
39) Acenaphthene-d10	14.909	164	125545	20.000	ng	0.00
64) Phenanthrene-d10	17.647	188	278315	20.000	ng	0.00
76) Chrysene-d12	21.936	240	260053	20.000	ng	# 0.00
86) Perylene-d12	25.367	264	277967	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.819	112	269035	98.364	ng	0.00
7) Phenol-d6	7.441	99	365541	87.027	ng	0.00
23) Nitrobenzene-d5	9.468	82	194144	54.608	ng	0.00
42) 2,4,6-Tribromophenol	16.389	330	141055	88.713	ng	0.00
45) 2-Fluorobiphenyl	13.534	172	565947	62.250	ng	0.00
79) Terphenyl-d14	20.226	244	837652	57.691	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.468	70	23918	9.364	ng	# 72
51) 2,6-Dinitrotoluene	14.909	165	17440	8.076	ng	# 31
57) 2,4-Dinitrotoluene	14.909	165	17440	5.775	ng	# 28
63) Azobenzene	16.242	77	54945	7.491	ng	# 1
67) 4-Bromophenyl-phenylether	16.389	248	10738	3.030	ng	# 1
71) Phenanthrene	17.688	178	33485	2.322	ng	96
75) Fluoranthene	19.680	202	83240	4.424	ng	97
78) Pyrene	20.044	202	81990	4.473	ng	100
81) Benzo(a)anthracene	21.912	228	39509	2.163	ng	# 92
83) Chrysene	21.983	228	40868	2.389	ng	# 86
88) Benzo(b)fluoranthene	24.268	252	52492	2.972	ng	# 42
89) Benzo(k)fluoranthene	24.268	252	52492	2.985	ng	# 43

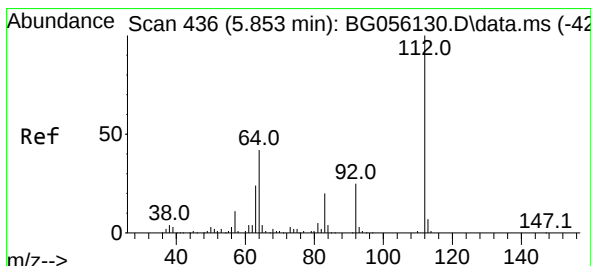
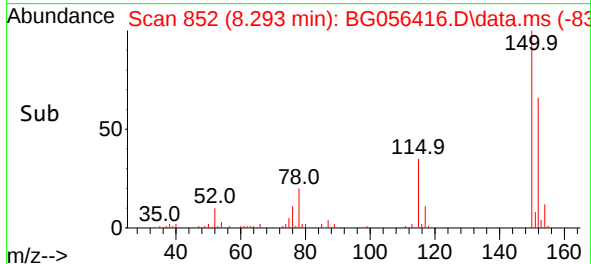
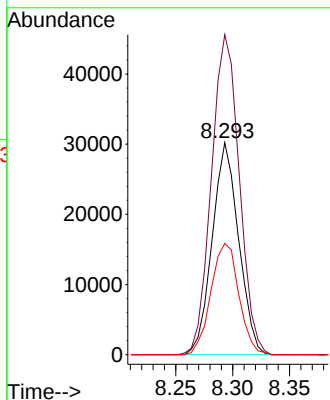
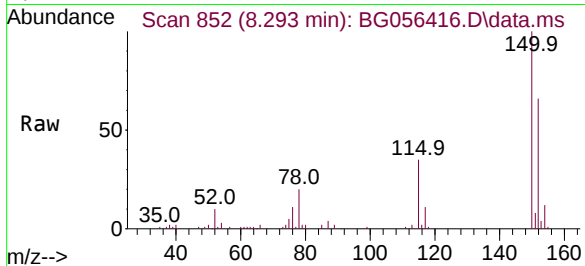
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.293 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

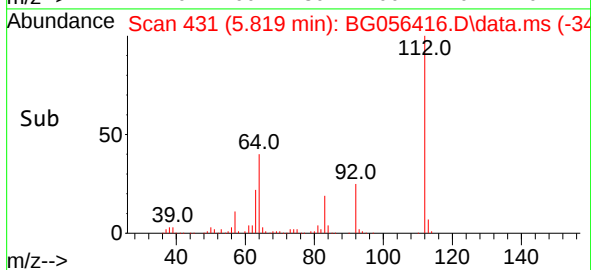
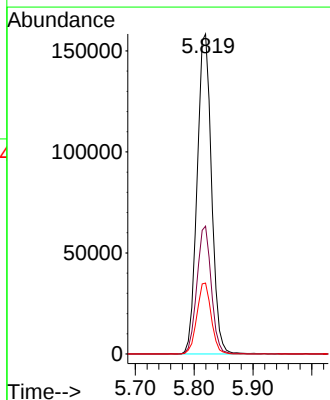
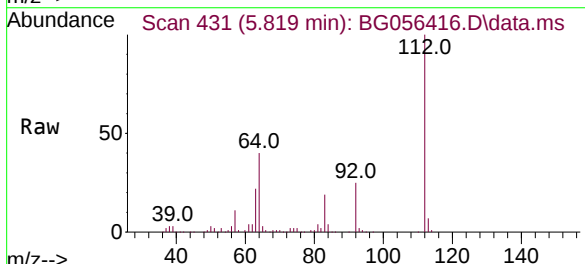
Instrument :
BNA_G
ClientSampleId :
HR-04-012023

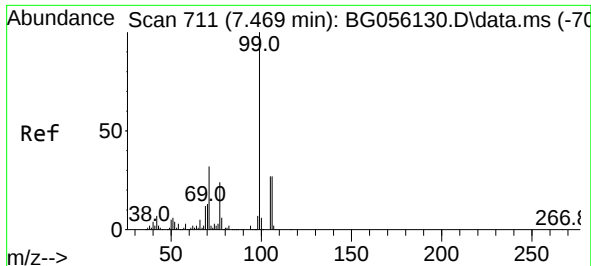
Tgt Ion:152 Resp: 48835
Ion Ratio Lower Upper
152 100
150 150.9 127.9 191.9
115 52.5 44.2 66.2



#5
2-Fluorophenol
Concen: 98.364 ng
RT: 5.819 min Scan# 431
Delta R.T. 0.006 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

Tgt Ion:112 Resp: 269035
Ion Ratio Lower Upper
112 100
64 40.0 33.3 49.9
63 22.2 19.0 28.4

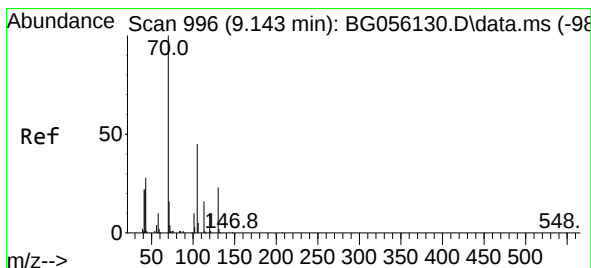
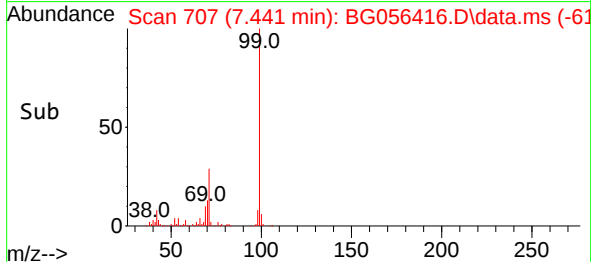
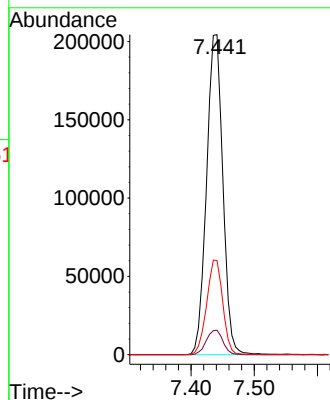
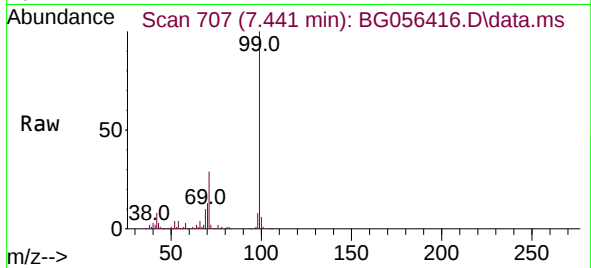




#7
Phenol-d6
Concen: 87.027 ng
RT: 7.441 min Scan# 70
Delta R.T. 0.006 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

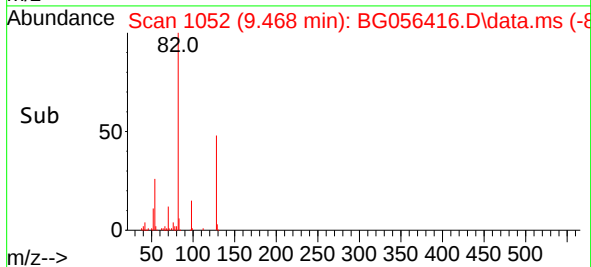
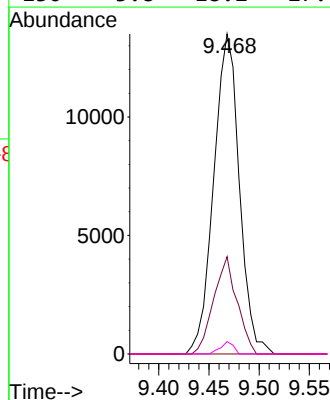
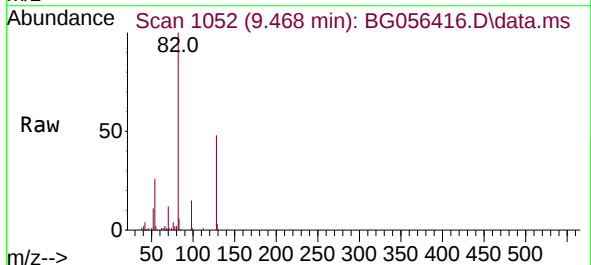
Instrument :
BNA_G
ClientSampleId :
HR-04-012023

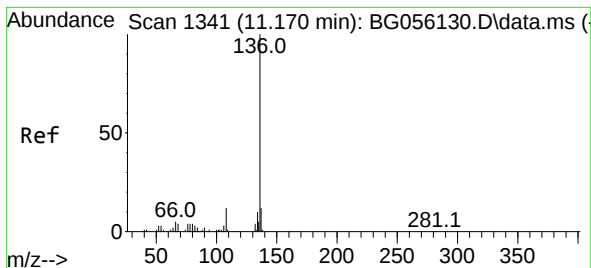
Tgt Ion: 99 Resp: 365541
Ion Ratio Lower Upper
99 100
42 7.7 5.9 8.9
71 29.4 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.364 ng
RT: 9.468 min Scan# 1052
Delta R.T. 0.370 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

Tgt Ion: 70 Resp: 23918
Ion Ratio Lower Upper
70 100
42 30.4 18.2 27.2#
101 0.0 8.3 12.5#
130 3.8 18.2 27.4#

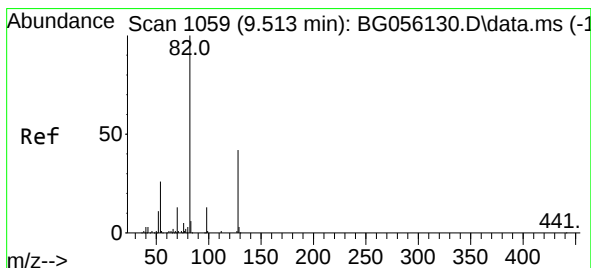
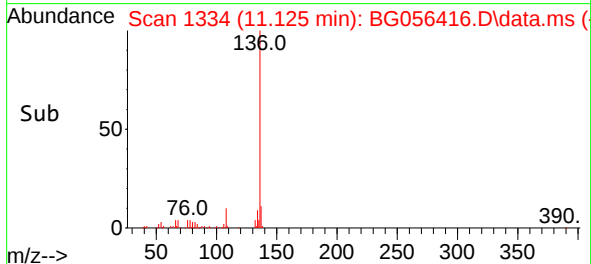
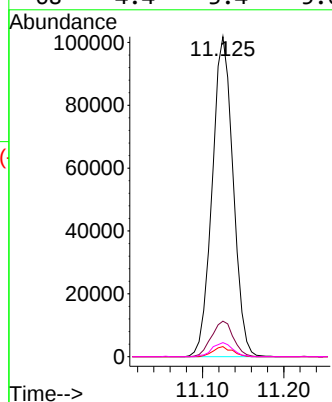
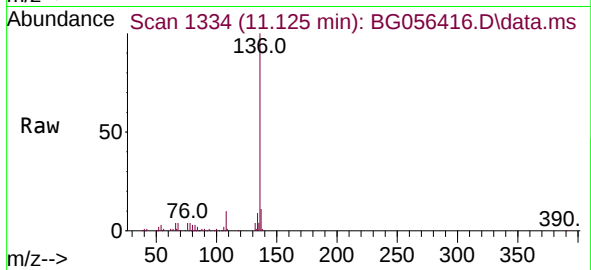




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.125 min Scan# 111
Delta R.T. -0.006 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

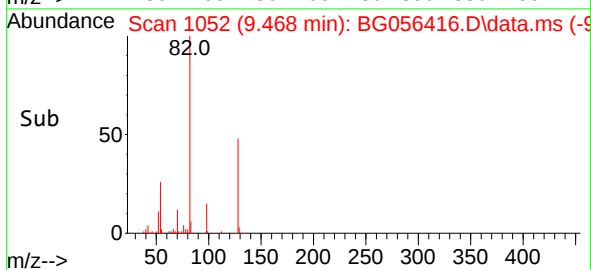
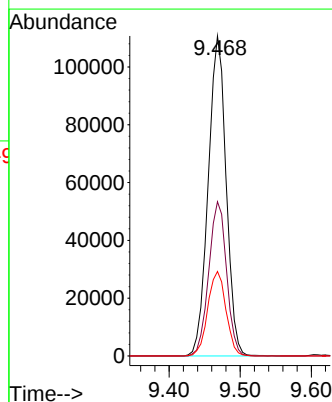
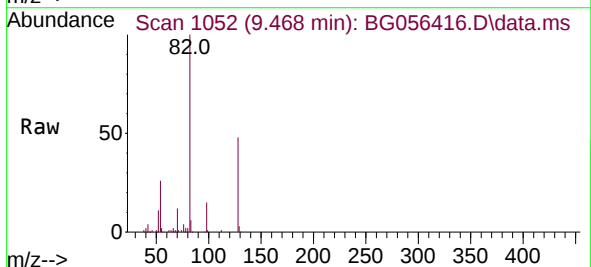
Instrument :
BNA_G
ClientSampleId :
HR-04-012023

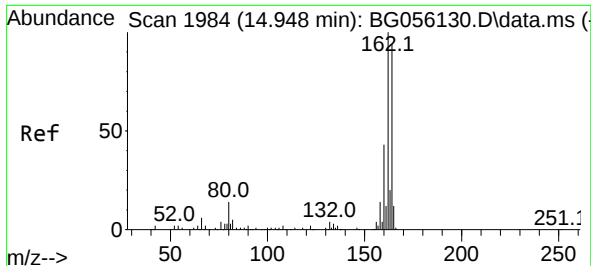
Tgt Ion:	136	Resp:	181855
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.4	14.0
54	3.1	2.2	3.2
68	4.4	3.4	5.0



#23
Nitrobenzene-d5
Concen: 54.608 ng
RT: 9.468 min Scan# 1052
Delta R.T. -0.006 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

Tgt Ion:	82	Resp:	194144
Ion	Ratio	Lower	Upper
82	100		
128	48.2	33.4	50.2
54	26.4	20.3	30.5

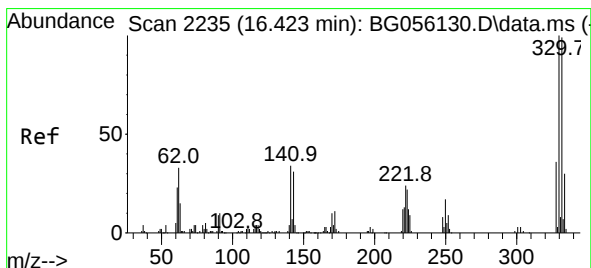
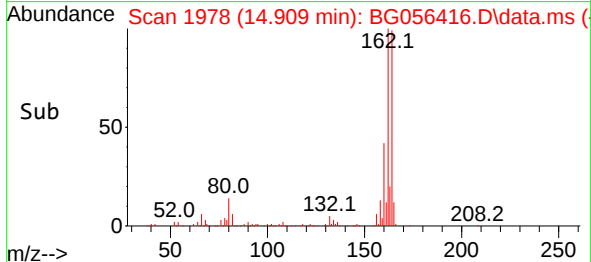
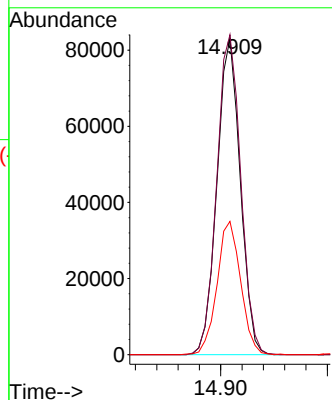
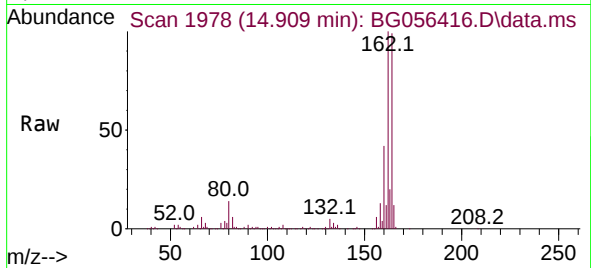




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.909 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

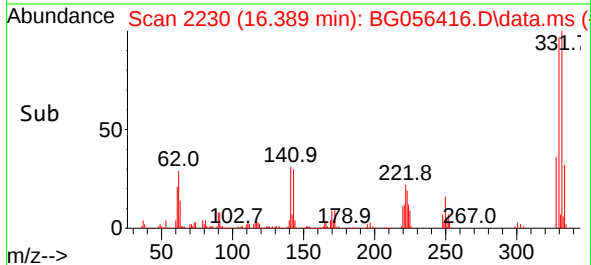
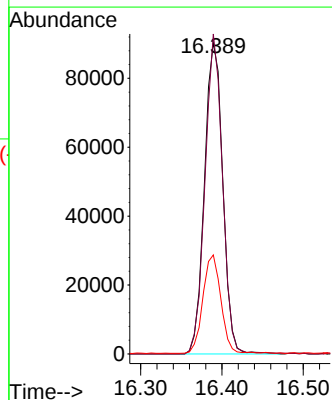
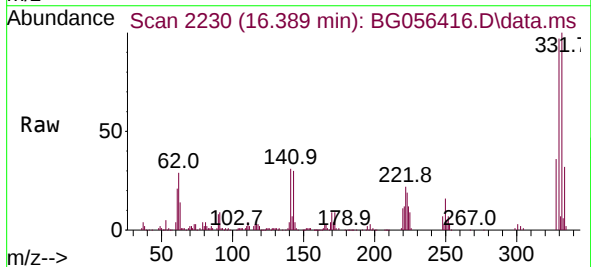
Instrument :
BNA_G
ClientSampleId :
HR-04-012023

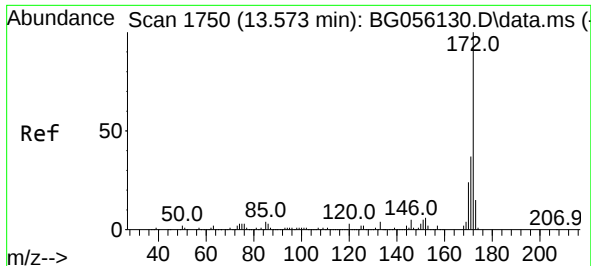
Tgt Ion:164 Resp: 125545
Ion Ratio Lower Upper
164 100
162 101.2 84.7 127.1
160 42.2 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 88.713 ng
RT: 16.389 min Scan# 2230
Delta R.T. -0.006 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

Tgt Ion:330 Resp: 141055
Ion Ratio Lower Upper
330 100
332 98.3 77.3 115.9
141 31.1 27.9 41.9

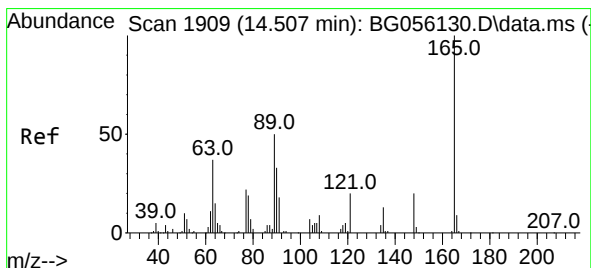
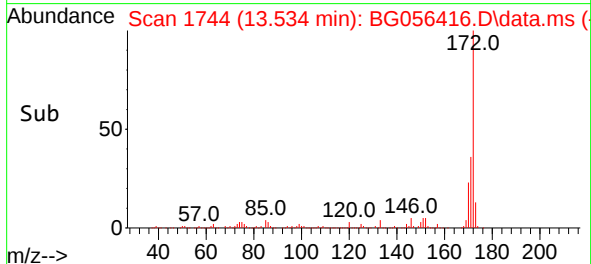
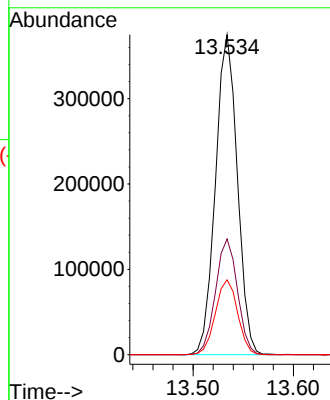
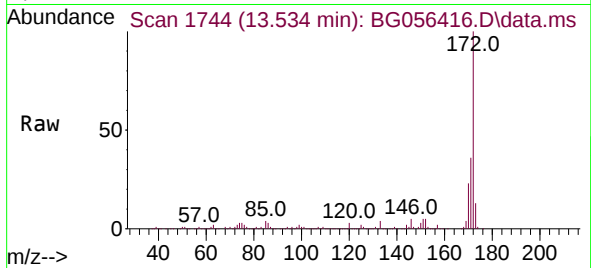




#45
2-Fluorobiphenyl
Concen: 62.250 ng
RT: 13.534 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

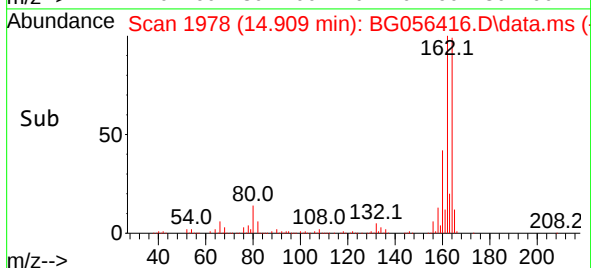
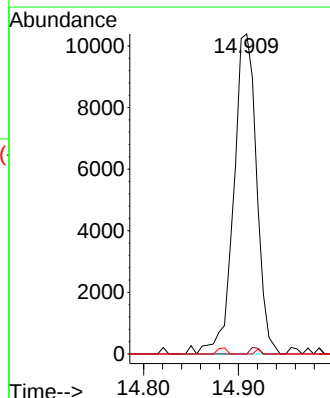
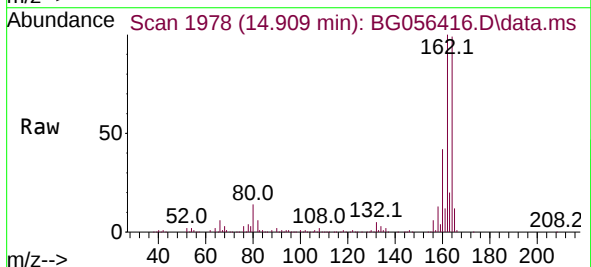
Instrument :
BNA_G
ClientSampleId :
HR-04-012023

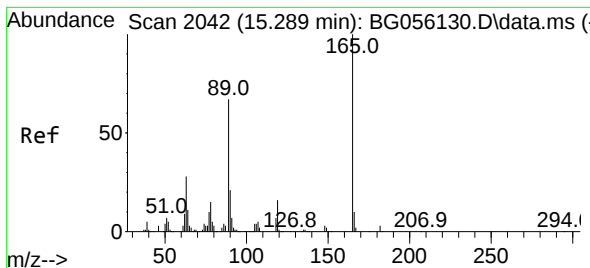
Tgt Ion:172 Resp: 565947
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.4 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 8.076 ng
RT: 14.909 min Scan# 1978
Delta R.T. 0.429 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

Tgt Ion:165 Resp: 17440
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: 5.775 ng

RT: 14.909 min Scan# 1978

Delta R.T. -0.359 min

Lab File: BG056416.D

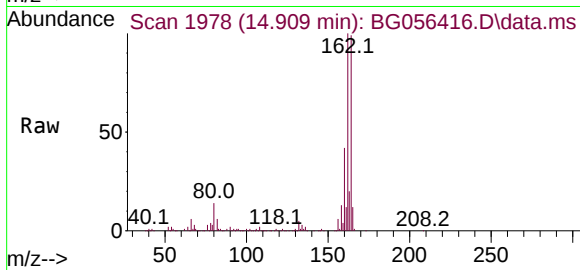
Acq: 24 Jan 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-012023



Tgt Ion:165 Resp: 17440

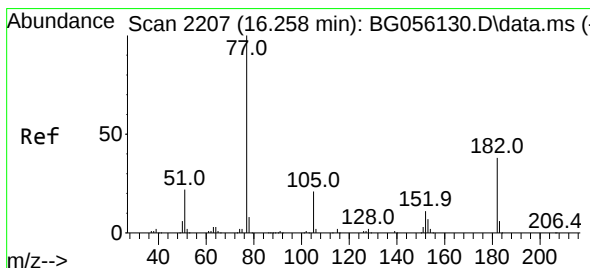
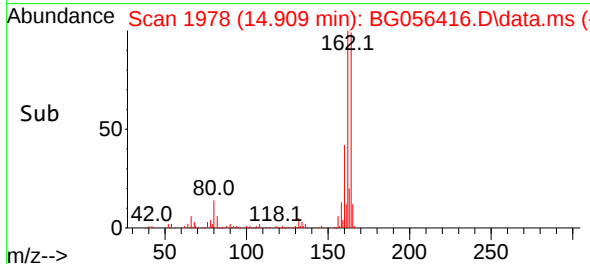
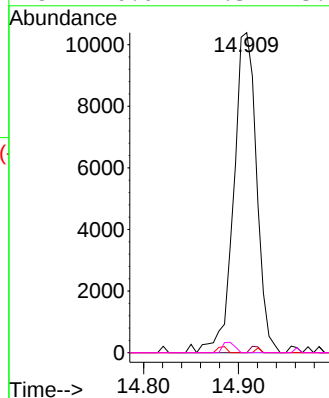
Ion Ratio Lower Upper

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: 7.491 ng

RT: 16.242 min Scan# 2205

Delta R.T. 0.012 min

Lab File: BG056416.D

Acq: 24 Jan 2023 23:57

Tgt Ion: 77 Resp: 54945

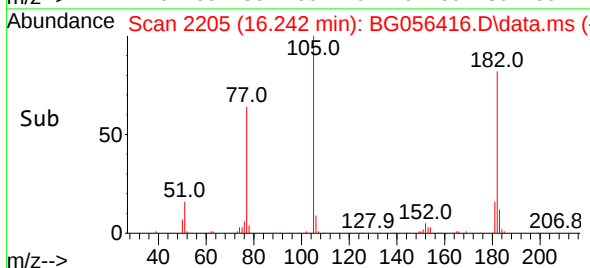
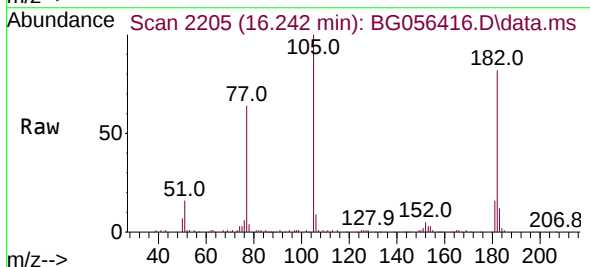
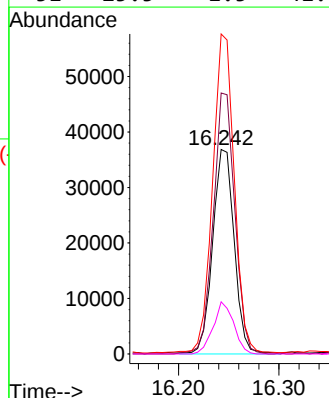
Ion Ratio Lower Upper

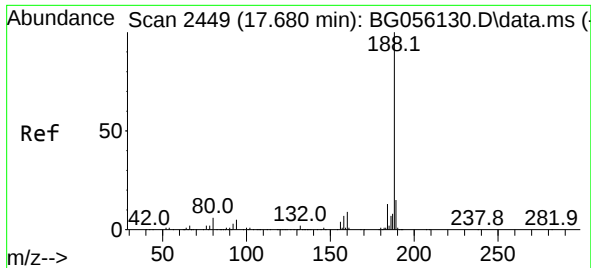
77 100

182 127.6 18.5 58.5#

105 156.4 1.4 41.4#

51 25.5 1.5 41.5

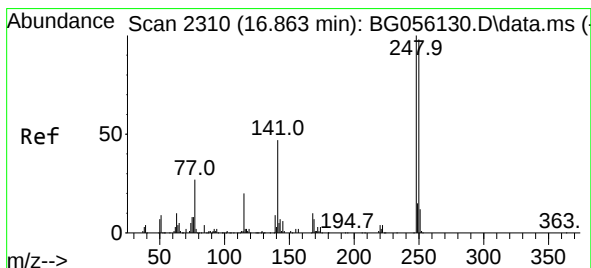
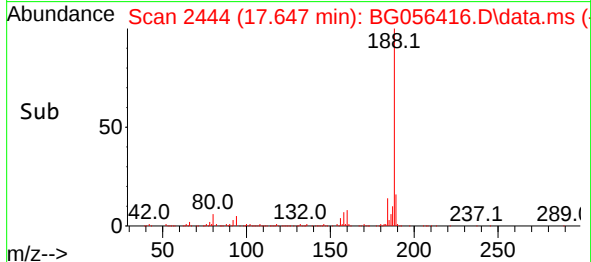
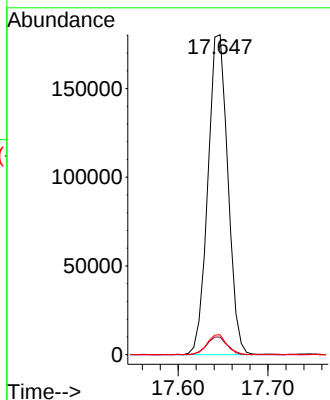
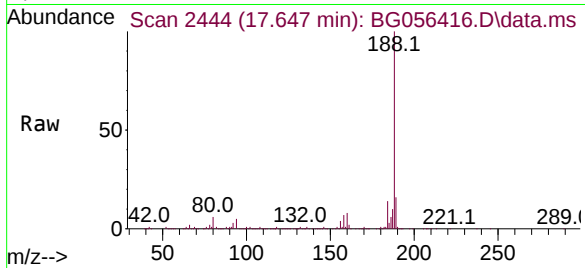




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.647 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

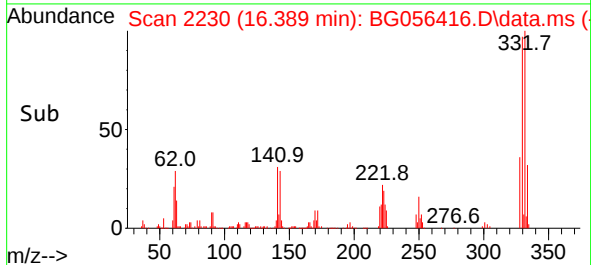
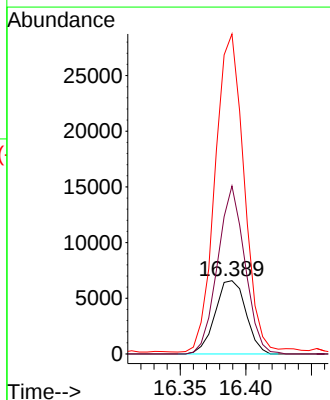
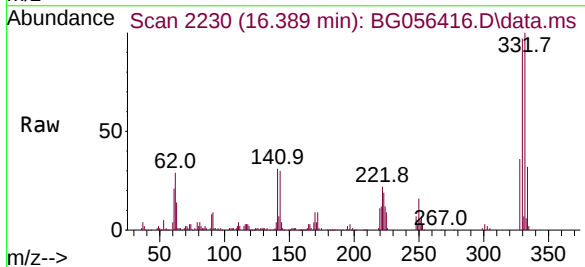
Instrument :
BNA_G
ClientSampleId :
HR-04-012023

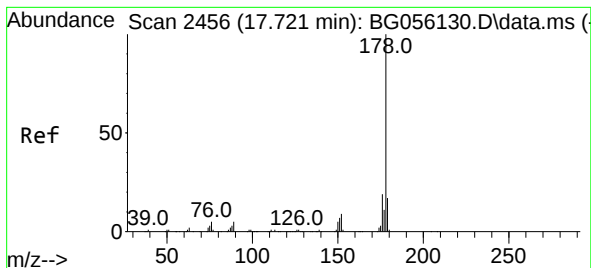
Tgt Ion:188 Resp: 278315
Ion Ratio Lower Upper
188 100
94 5.5 4.2 6.2
80 6.2 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 3.030 ng
RT: 16.389 min Scan# 2230
Delta R.T. -0.441 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

Tgt Ion:248 Resp: 10738
Ion Ratio Lower Upper
248 100
250 168.3 78.2 117.4#
141 320.6 37.6 56.4#





#71

Phenanthrene

Concen: 2.322 ng

RT: 17.688 min Scan# 2456

Delta R.T. -0.006 min

Lab File: BG056416.D

Acq: 24 Jan 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-012023

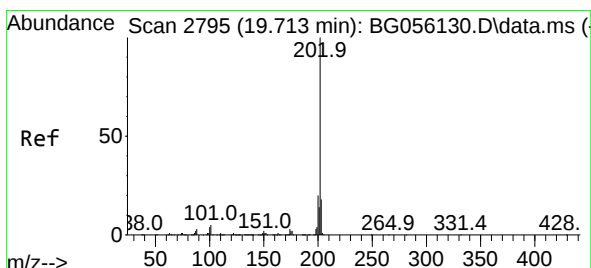
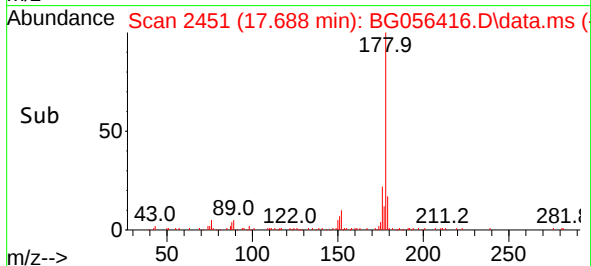
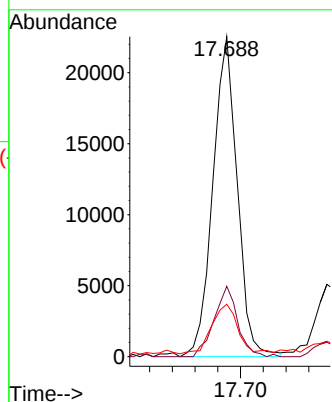
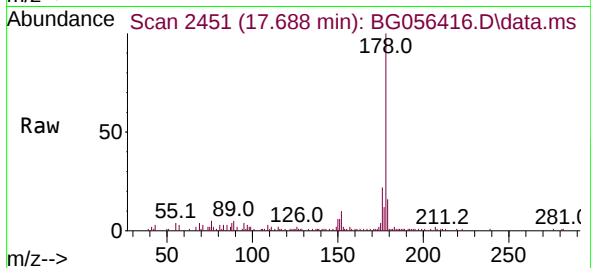
Tgt Ion:178 Resp: 33485

Ion Ratio Lower Upper

178 100

176 22.0 15.4 23.0

179 16.4 13.6 20.4



#75

Fluoranthene

Concen: 4.424 ng

RT: 19.680 min Scan# 2790

Delta R.T. -0.006 min

Lab File: BG056416.D

Acq: 24 Jan 2023 23:57

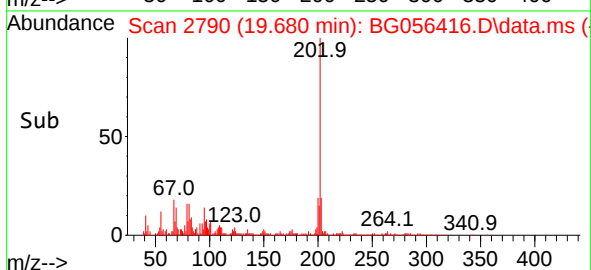
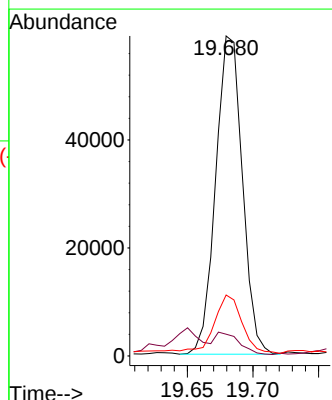
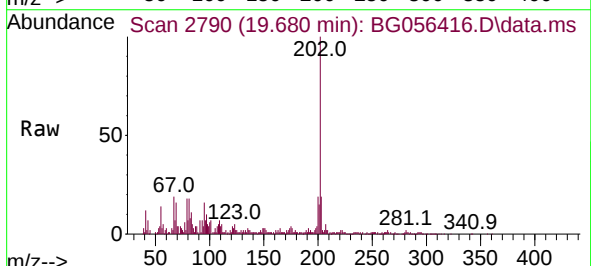
Tgt Ion:202 Resp: 83240

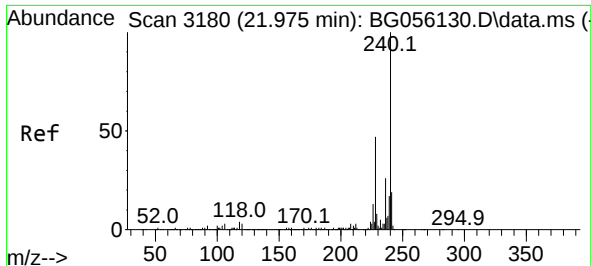
Ion Ratio Lower Upper

202 100

101 6.8 0.0 25.0

203 19.1 0.0 38.0

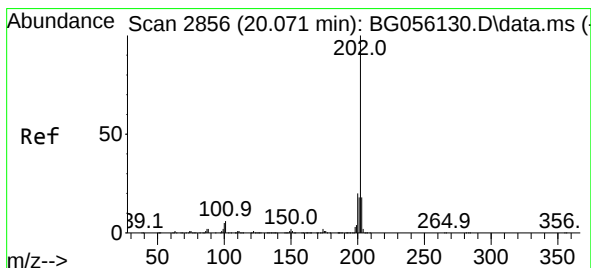
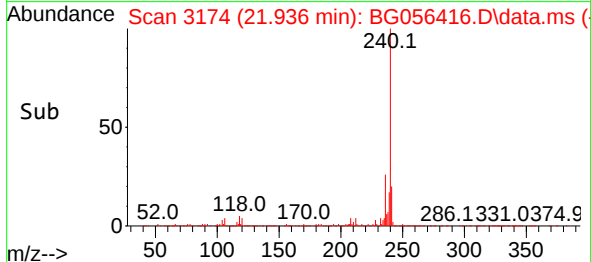
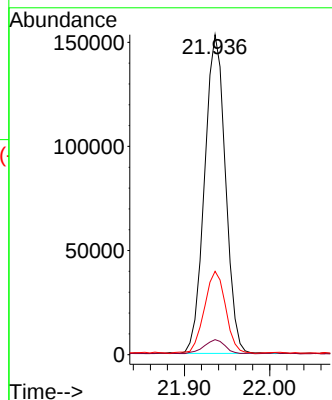
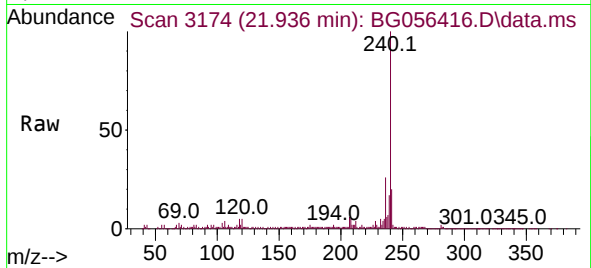




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.936 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

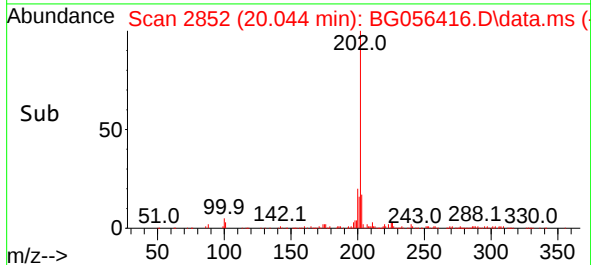
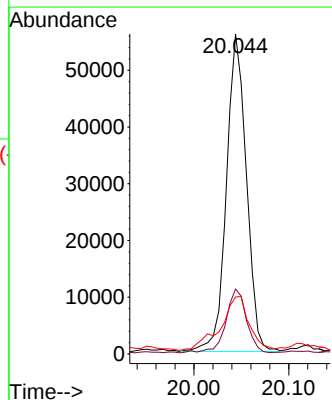
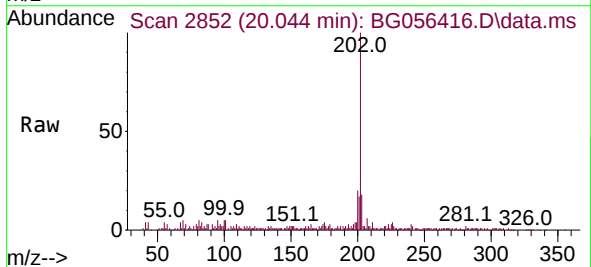
Instrument :
BNA_G
ClientSampleId :
HR-04-012023

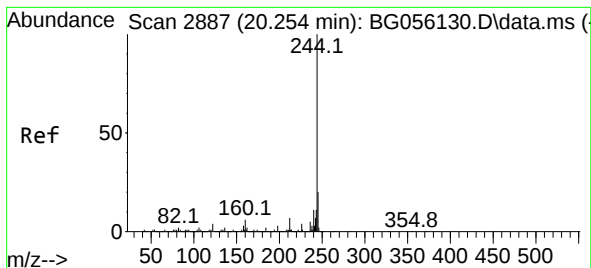
Tgt Ion:240 Resp: 260053
Ion Ratio Lower Upper
240 100
120 4.7 2.6 4.0#
236 26.0 20.8 31.2



#78
Pyrene
Concen: 4.473 ng
RT: 20.044 min Scan# 2852
Delta R.T. -0.000 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

Tgt Ion:202 Resp: 81990
Ion Ratio Lower Upper
202 100
200 20.3 16.4 24.6
203 17.8 14.3 21.5





#79

Terphenyl-d14

Concen: 57.691 ng

RT: 20.226 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG056416.D

Acq: 24 Jan 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-012023

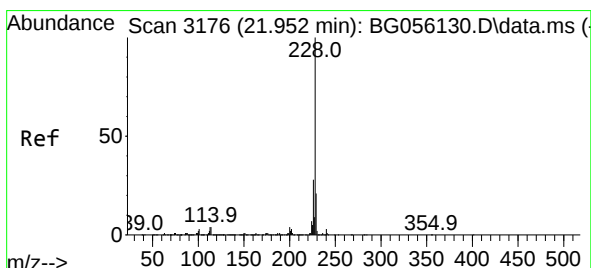
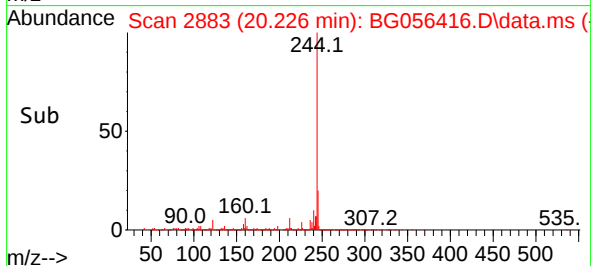
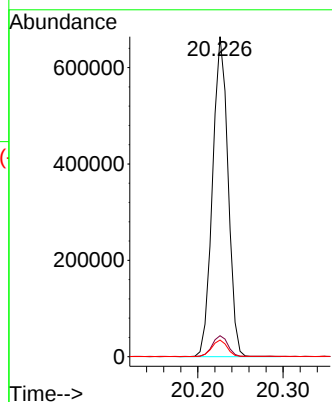
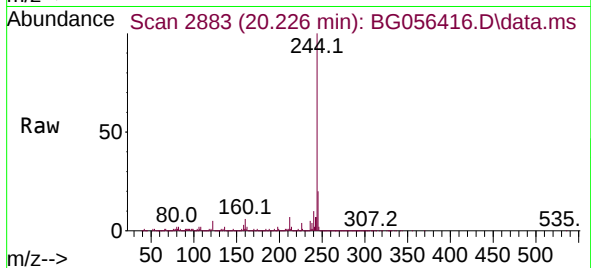
Tgt Ion:244 Resp: 837652

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 5.2 3.5 5.3



#81

Benzo(a)anthracene

Concen: 2.163 ng

RT: 21.912 min Scan# 3170

Delta R.T. -0.012 min

Lab File: BG056416.D

Acq: 24 Jan 2023 23:57

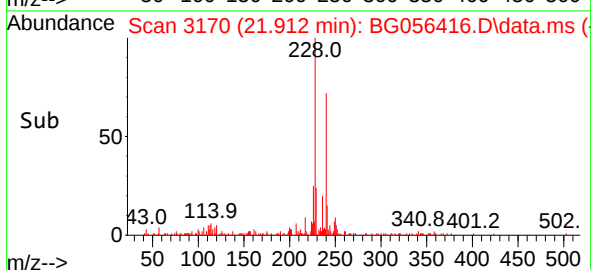
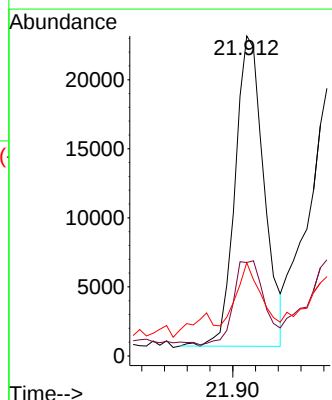
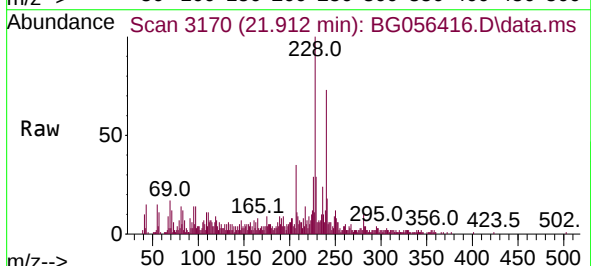
Tgt Ion:228 Resp: 39509

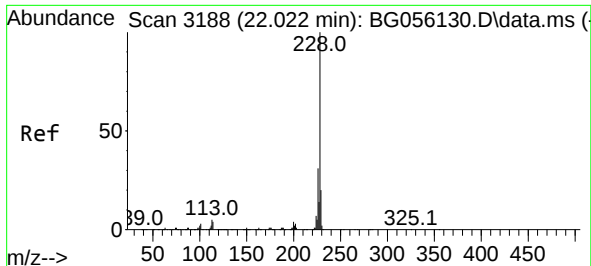
Ion Ratio Lower Upper

228 100

226 29.2 22.6 34.0

229 29.2 16.9 25.3#

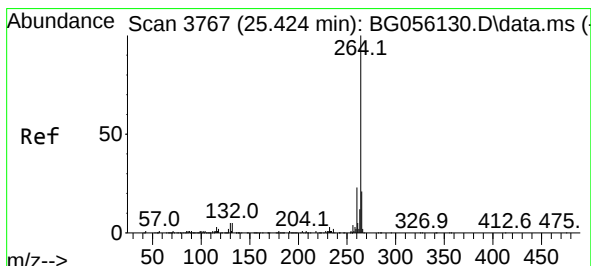
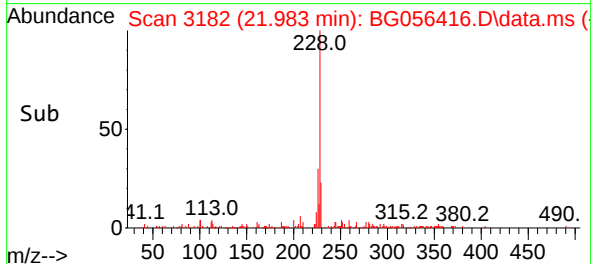
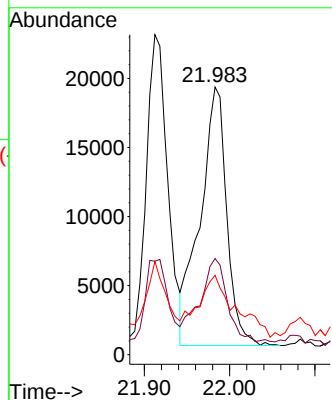
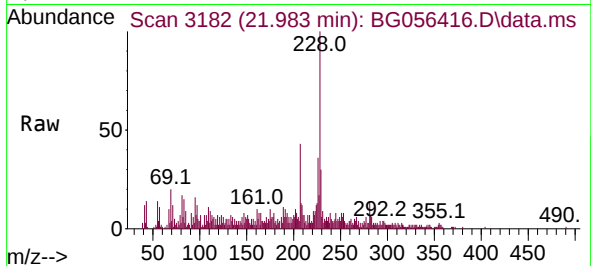




#83
Chrysene
Concen: 2.389 ng
RT: 21.983 min Scan# 3188
Delta R.T. -0.012 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

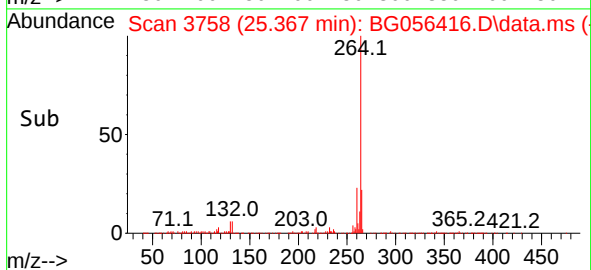
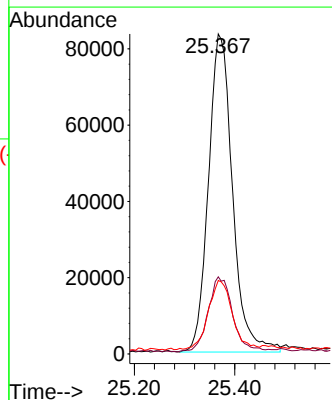
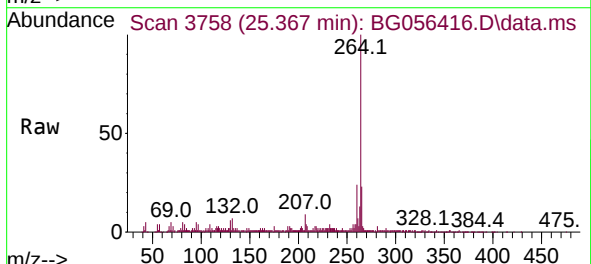
Instrument :
BNA_G
ClientSampleId :
HR-04-012023

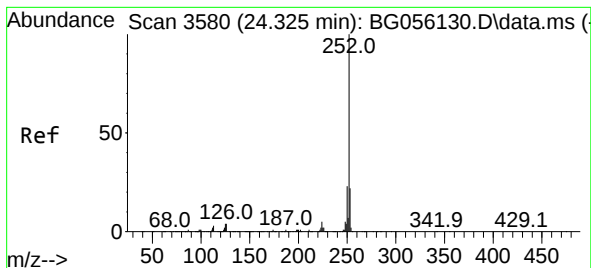
Tgt Ion:228 Resp: 40868
Ion Ratio Lower Upper
228 100
226 35.9 24.6 36.8
229 29.6 15.8 23.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.367 min Scan# 3758
Delta R.T. -0.006 min
Lab File: BG056416.D
Acq: 24 Jan 2023 23:57

Tgt Ion:264 Resp: 277967
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 23.0 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 2.972 ng

RT: 24.268 min Scan# 3

Delta R.T. -0.012 min

Lab File: BG056416.D

Acq: 24 Jan 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-012023

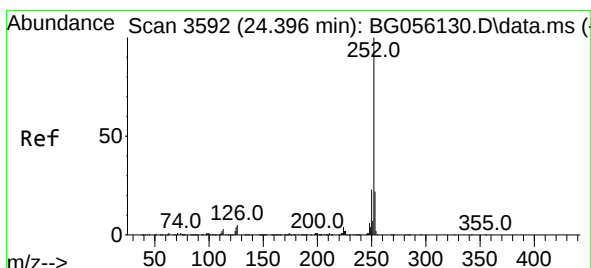
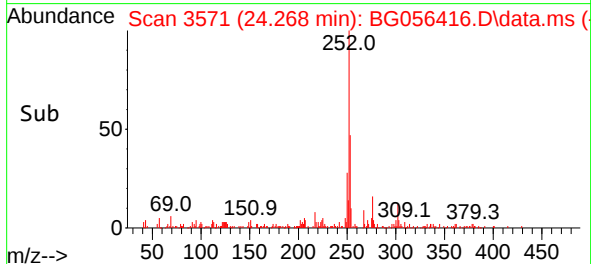
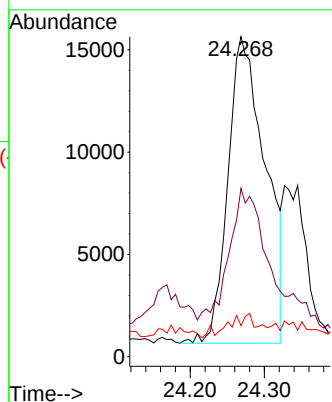
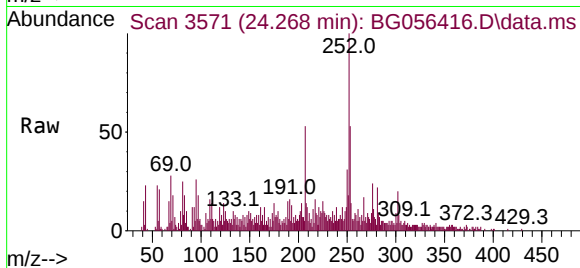
Tgt Ion:252 Resp: 52492

Ion Ratio Lower Upper

252 100

253 52.5 17.4 26.2#

125 9.7 3.0 4.4#



#89

Benzo(k)fluoranthene

Concen: 2.985 ng

RT: 24.268 min Scan# 3571

Delta R.T. -0.082 min

Lab File: BG056416.D

Acq: 24 Jan 2023 23:57

Tgt Ion:252 Resp: 52492

Ion Ratio Lower Upper

252 100

253 52.5 17.5 26.3#

125 9.7 3.4 5.0#

