

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040423\
 Data File : BG056981.D
 Acq On : 5 Apr 2023 1:50
 Operator : CG/JU
 Sample : 02166-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-03-033123

Quant Time: Apr 05 04:14:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

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

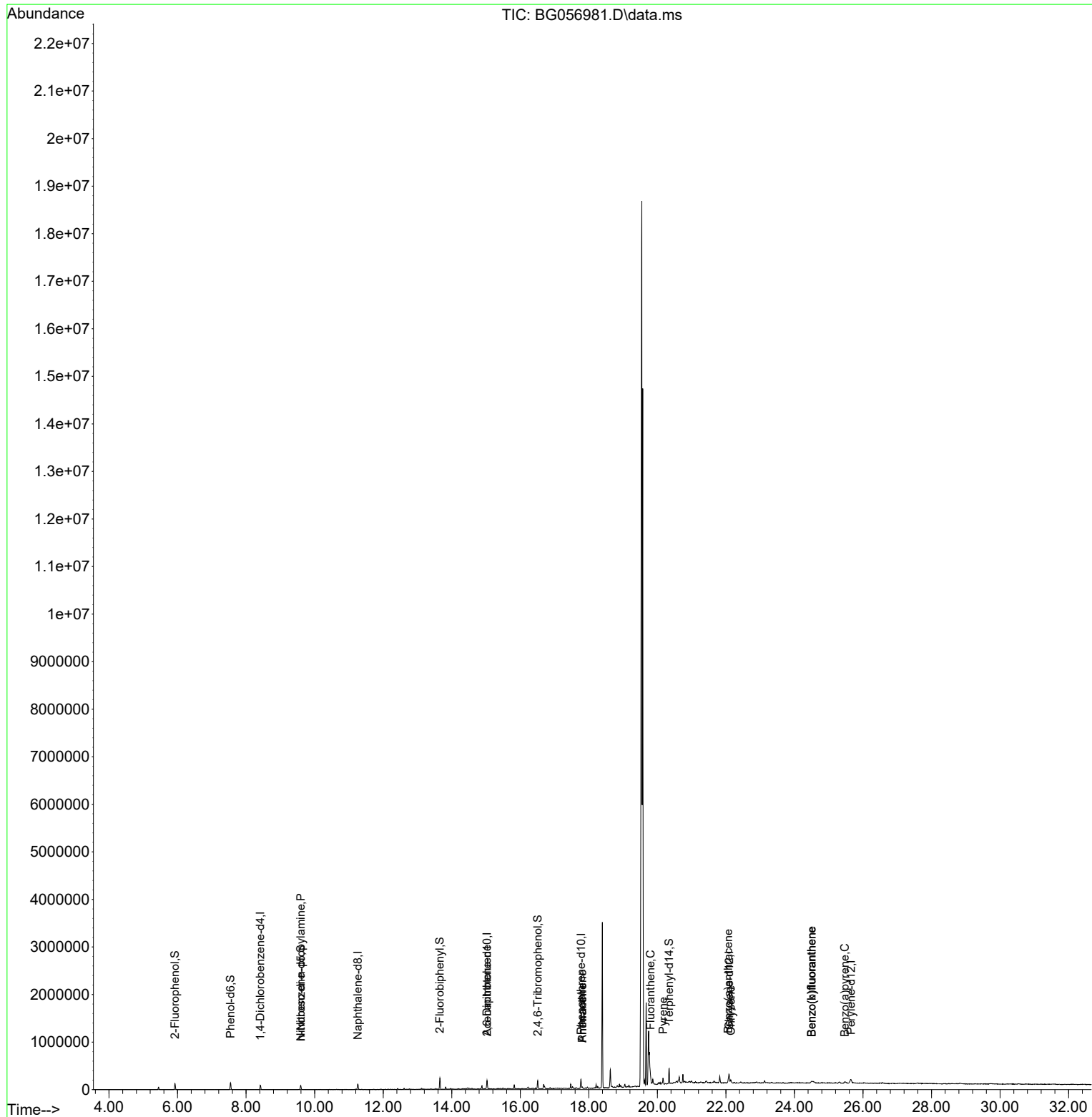
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	24867	20.000	ng	0.00
21) Naphthalene-d8	11.257	136	95747	20.000	ng	0.00
39) Acenaphthene-d10	15.028	164	61614	20.000	ng	0.00
64) Phenanthrene-d10	17.772	188	122800	20.000	ng	0.00
76) Chrysene-d12	22.095	240	107671	20.000	ng	0.00
86) Perylene-d12	25.649	264	108739	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.923	112	55679	35.835	ng	0.00
7) Phenol-d6	7.544	99	81475	35.061	ng	0.00
23) Nitrobenzene-d5	9.595	82	54896	23.460	ng	0.00
42) 2,4,6-Tribromophenol	16.509	330	32679	33.200	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	117950	25.959	ng	0.00
79) Terphenyl-d14	20.345	244	156364	24.574	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.595	70	8351	5.024	ng	# 77
51) 2,6-Dinitrotoluene	15.028	165	9458	9.017	ng	# 18
71) Phenanthrene	17.813	178	19430	3.103	ng	97
72) Anthracene	17.813	178	19430	3.027	ng	96
75) Fluoranthene	19.798	202	60508	7.624	ng	99
78) Pyrene	20.169	202	87459	11.744	ng	99
81) Benzo(a)anthracene	22.072	228	54539	7.320	ng	99
83) Chrysene	22.142	228	49559	7.104	ng	96
88) Benzo(b)fluoranthene	24.504	252	49452	7.273	ng	# 92
89) Benzo(k)fluoranthene	24.504	252	49452	7.285	ng	# 89
90) Benzo(a)pyrene	25.473	252	37293	5.581	ng	# 96

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

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Quant Time: Apr 05 04:14:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
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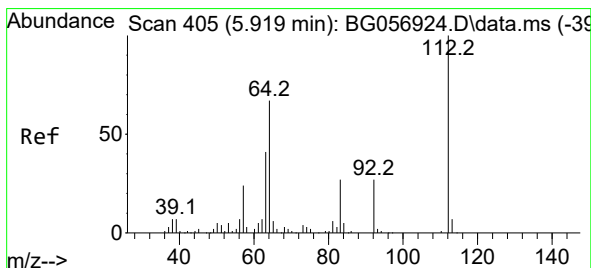
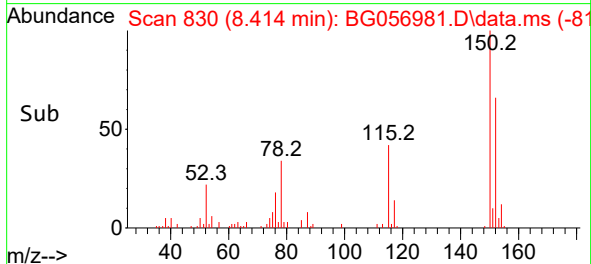
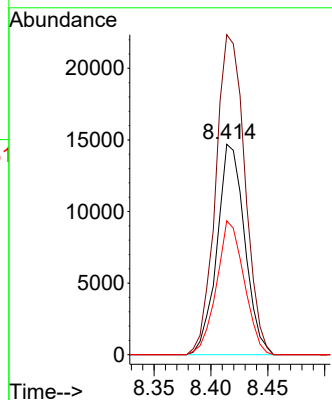
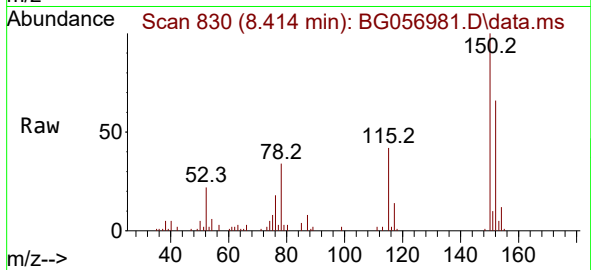




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.414 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

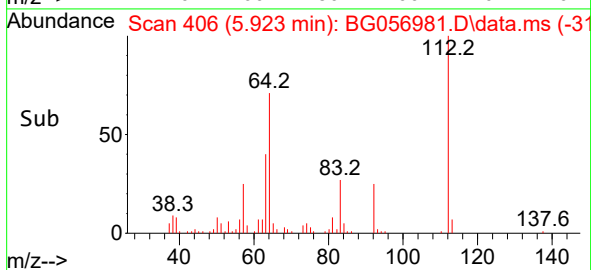
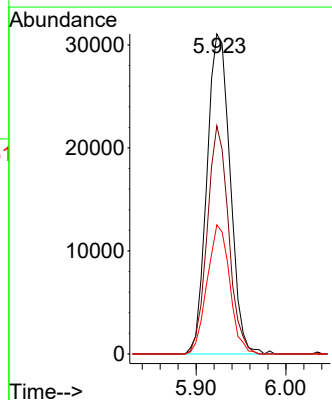
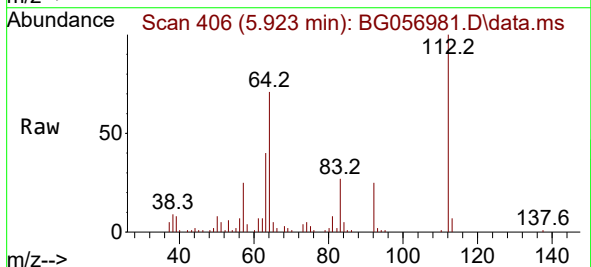
Instrument :
BNA_G
ClientSampleId :
HR-03-033123

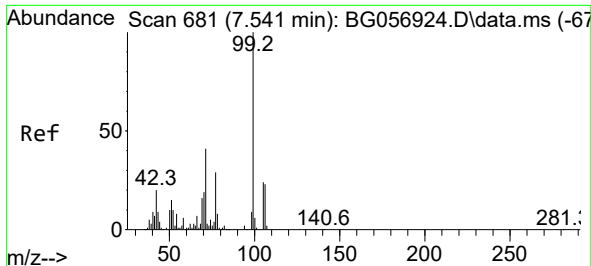
Tgt Ion:152 Resp: 24867
Ion Ratio Lower Upper
152 100
150 152.1 124.1 186.1
115 63.6 49.1 73.7



#5
2-Fluorophenol
Concen: 35.835 ng
RT: 5.923 min Scan# 406
Delta R.T. 0.004 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Tgt Ion:112 Resp: 55679
Ion Ratio Lower Upper
112 100
64 71.3 53.2 79.8
63 40.4 32.6 48.8

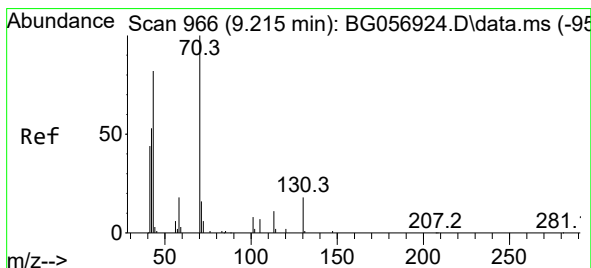
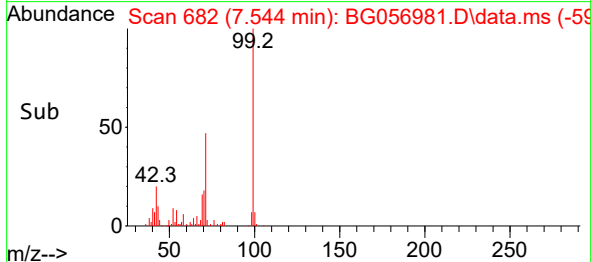
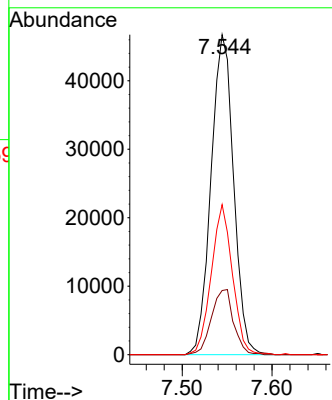
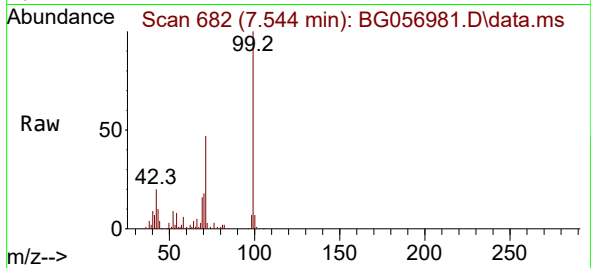




#7
Phenol-d6
Concen: 35.061 ng
RT: 7.544 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

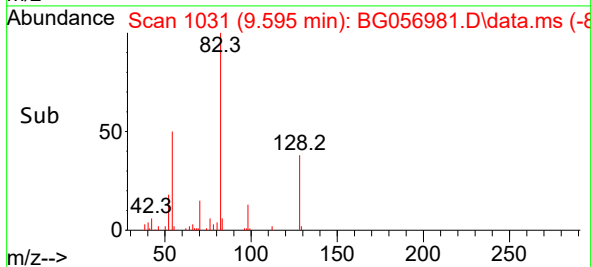
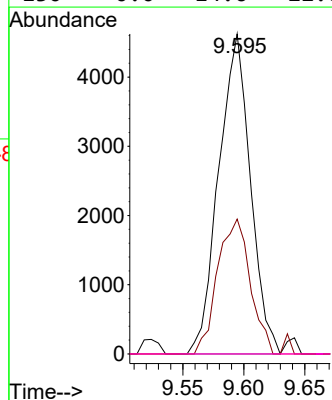
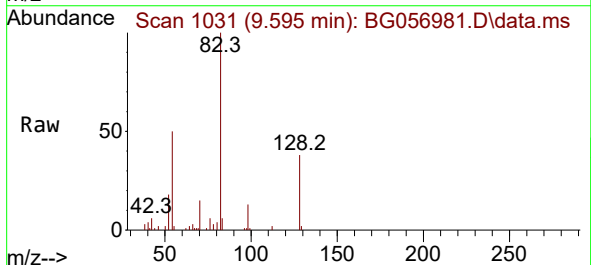
Instrument :
BNA_G
ClientSampleId :
HR-03-033123

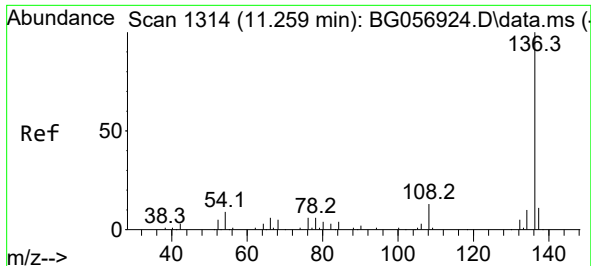
Tgt Ion: 99 Resp: 81475
Ion Ratio Lower Upper
99 100
42 20.0 15.7 23.5
71 46.9 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.024 ng
RT: 9.595 min Scan# 1031
Delta R.T. 0.380 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

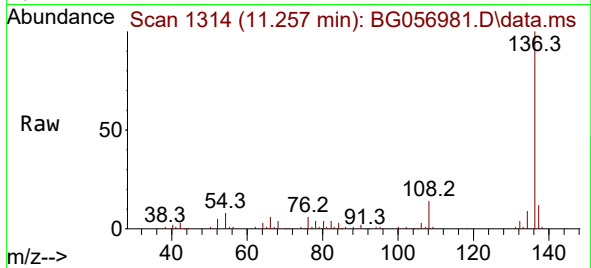
Tgt Ion: 70 Resp: 8351
Ion Ratio Lower Upper
70 100
42 42.1 43.4 65.0#
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#



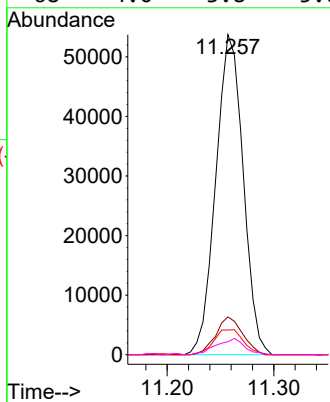
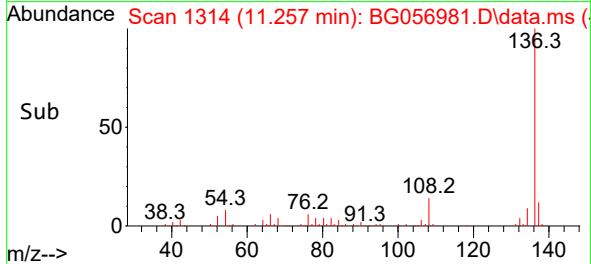


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.257 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

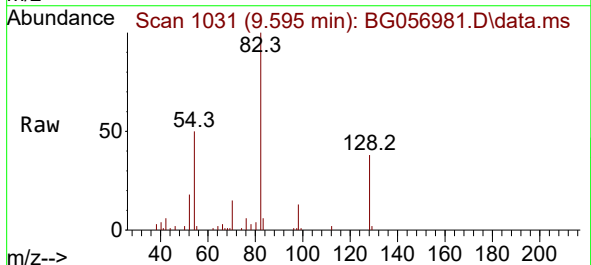
Instrument :
BNA_G
ClientSampleId :
HR-03-033123



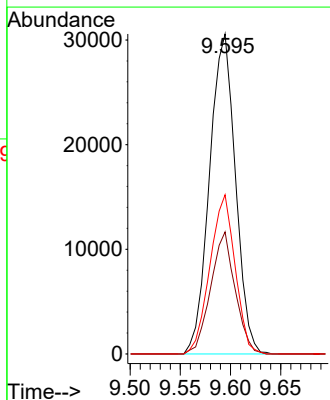
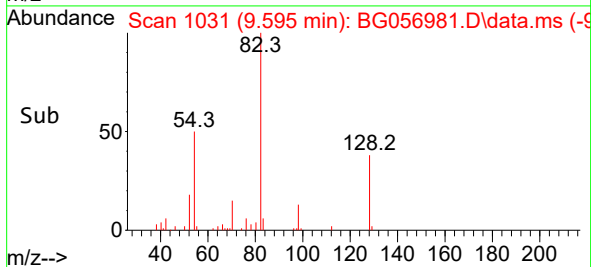
Tgt Ion:136 Resp: 95747
Ion Ratio Lower Upper
136 100
137 11.8 8.6 13.0
54 7.7 6.9 10.3
68 4.0 3.8 5.6

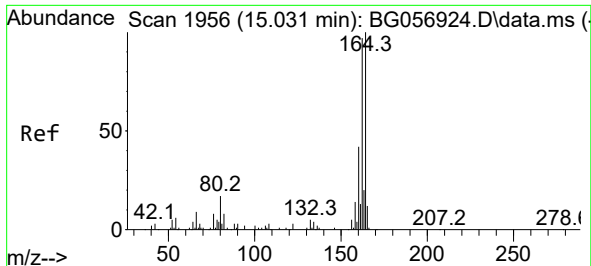


#23
Nitrobenzene-d5
Concen: 23.460 ng
RT: 9.595 min Scan# 1031
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50



Tgt Ion: 82 Resp: 54896
Ion Ratio Lower Upper
82 100
128 38.2 27.9 41.9
54 49.8 39.4 59.2

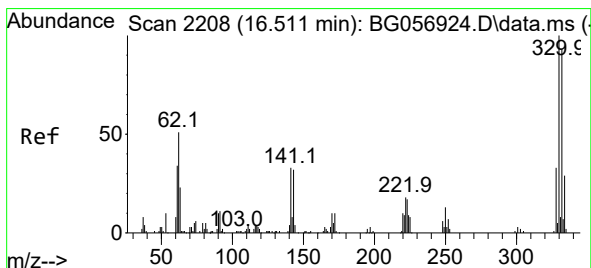
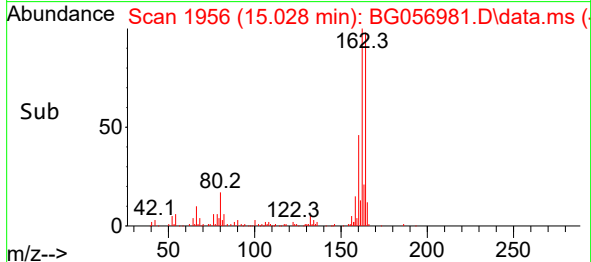
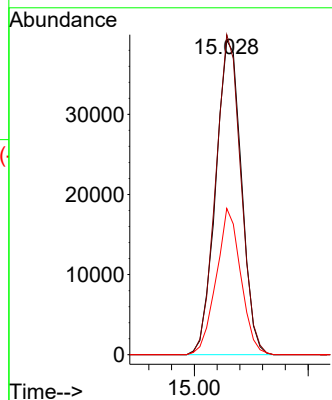
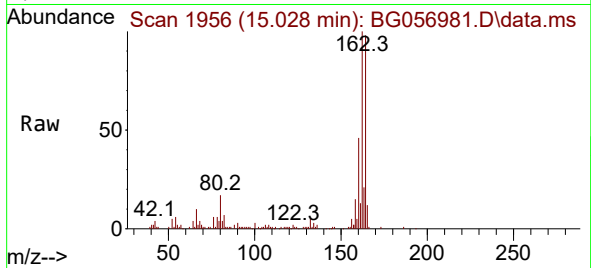




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.028 min Scan# 1956
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

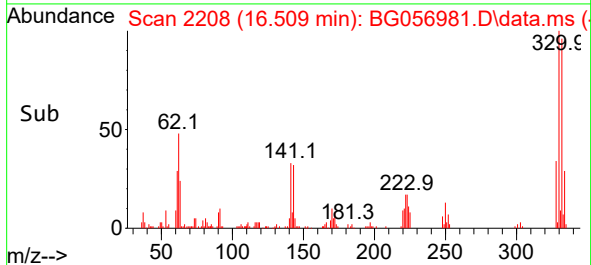
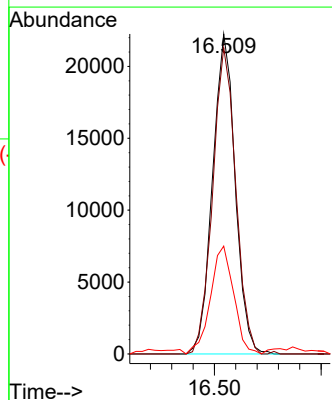
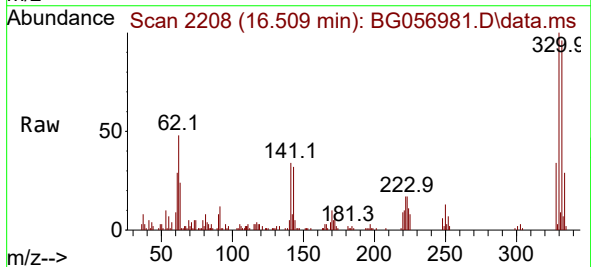
Instrument :
BNA_G
ClientSampleId :
HR-03-033123

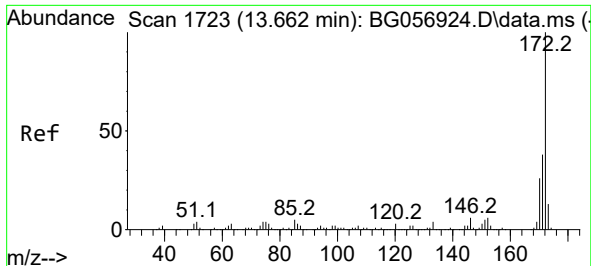
Tgt Ion:164 Resp: 61614
Ion Ratio Lower Upper
164 100
162 101.9 77.8 116.8
160 46.5 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 33.200 ng
RT: 16.509 min Scan# 2208
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Tgt Ion:330 Resp: 32679
Ion Ratio Lower Upper
330 100
332 97.5 76.1 114.1
141 34.6 25.8 38.6

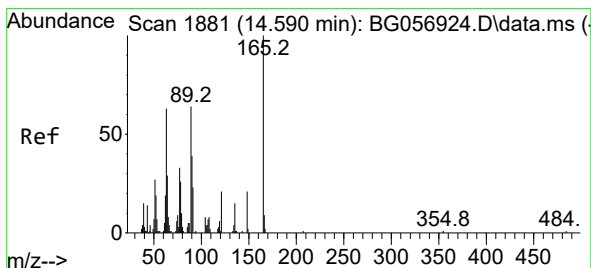
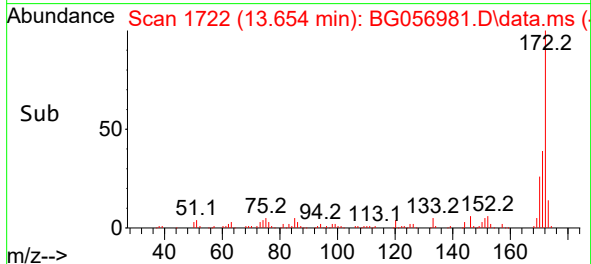
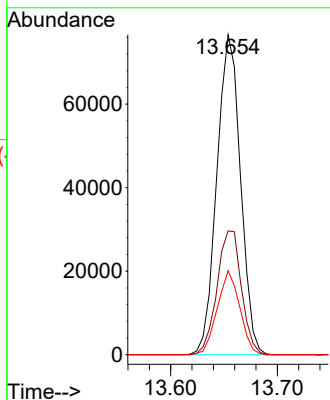
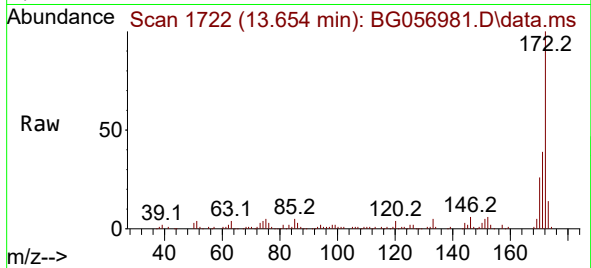




#45
2-Fluorobiphenyl
Concen: 25.959 ng
RT: 13.654 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

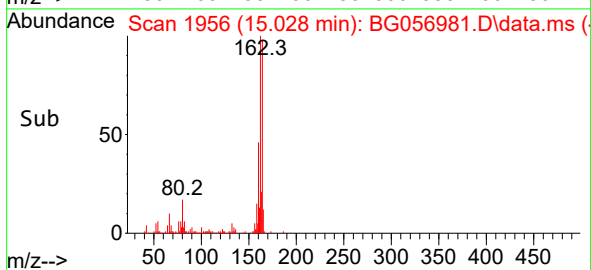
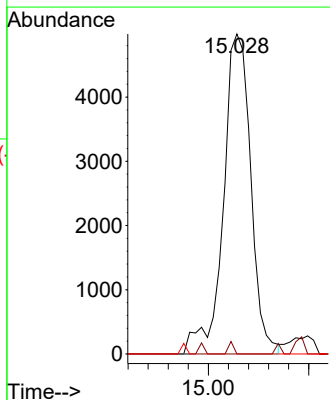
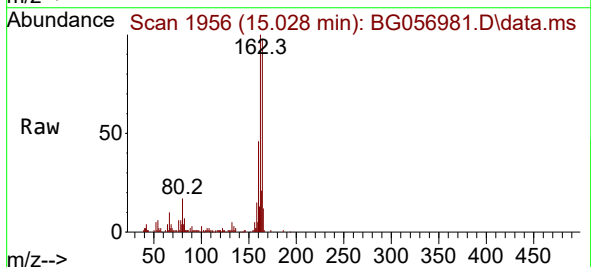
Instrument :
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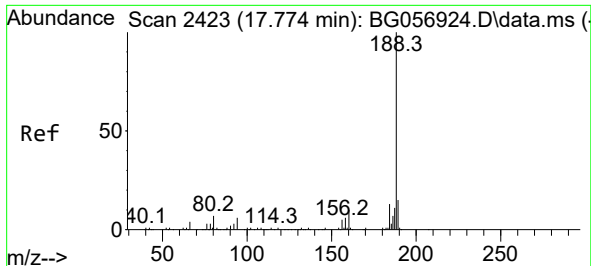
Tgt Ion:172 Resp: 117950
Ion Ratio Lower Upper
172 100
171 38.7 30.6 46.0
170 26.2 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 9.017 ng
RT: 15.028 min Scan# 1956
Delta R.T. 0.438 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Tgt Ion:165 Resp: 9458
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#

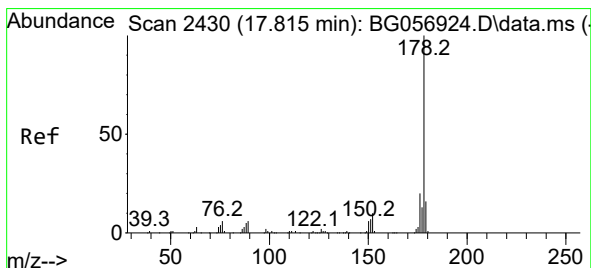
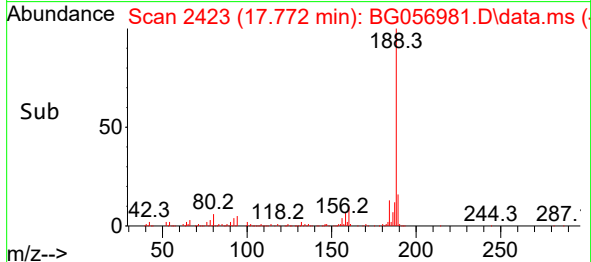
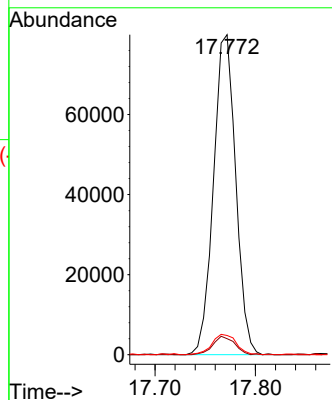
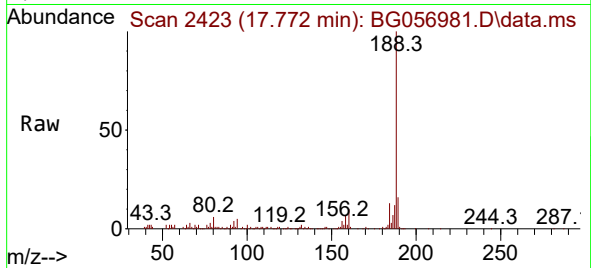




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.772 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

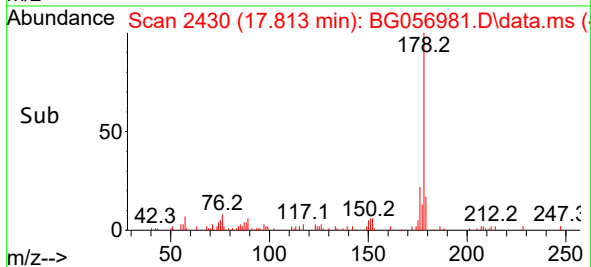
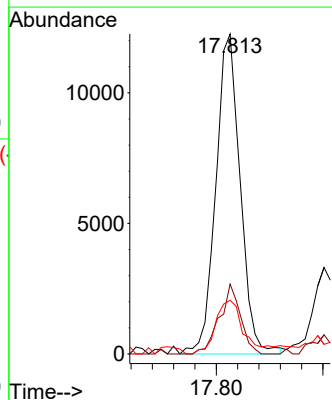
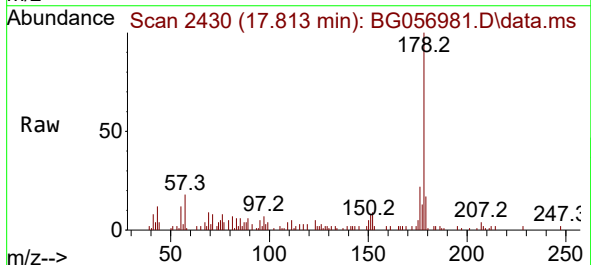
Instrument :
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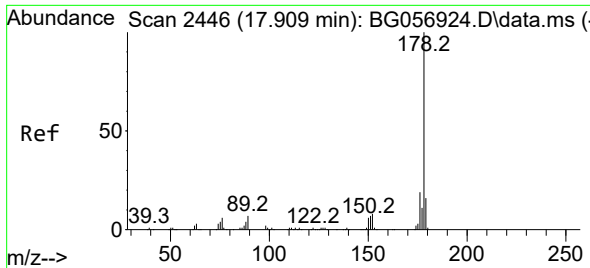
Tgt Ion:188 Resp: 122800
Ion Ratio Lower Upper
188 100
94 5.0 4.6 6.8
80 6.0 5.5 8.3



#71
Phenanthrene
Concen: 3.103 ng
RT: 17.813 min Scan# 2430
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Tgt Ion:178 Resp: 19430
Ion Ratio Lower Upper
178 100
176 21.9 16.2 24.2
179 16.7 12.5 18.7

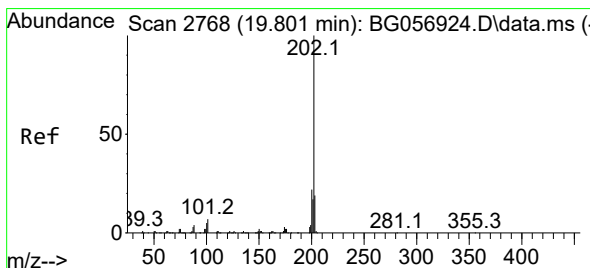
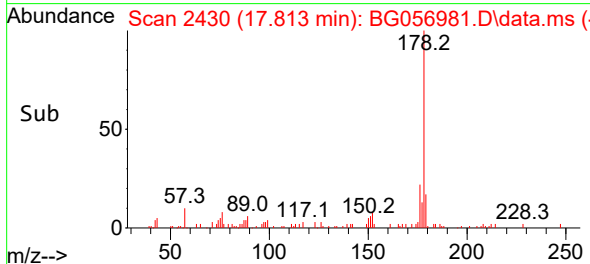
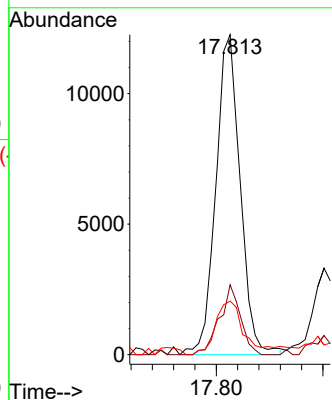
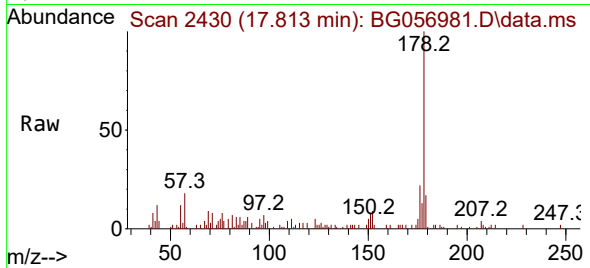




#72
 Anthracene
 Concen: 3.027 ng
 RT: 17.813 min Scan# 2446
 Delta R.T. -0.096 min
 Lab File: BG056981.D
 Acq: 5 Apr 2023 1:50

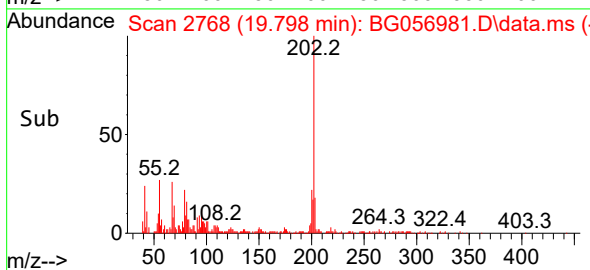
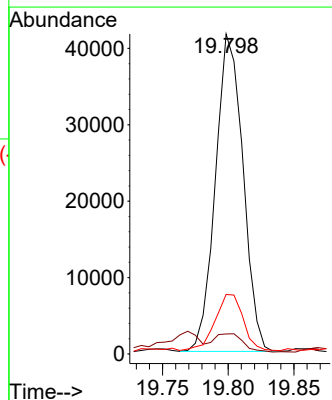
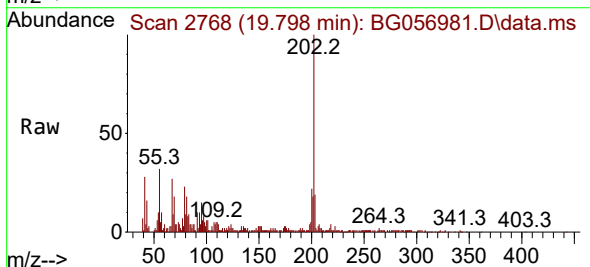
Instrument :
 BNA_G
 ClientSampleId :
 HR-03-033123

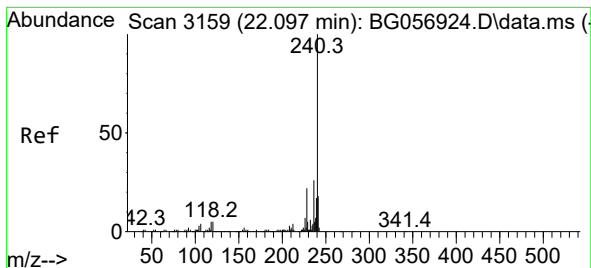
Tgt Ion:178 Resp: 19430
 Ion Ratio Lower Upper
 178 100
 176 21.9 15.4 23.2
 179 16.7 12.4 18.6



#75
 Fluoranthene
 Concen: 7.624 ng
 RT: 19.798 min Scan# 2768
 Delta R.T. -0.002 min
 Lab File: BG056981.D
 Acq: 5 Apr 2023 1:50

Tgt Ion:202 Resp: 60508
 Ion Ratio Lower Upper
 202 100
 101 6.3 0.0 26.7
 203 18.6 0.0 39.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.095 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056981.D

Acq: 5 Apr 2023 1:50

Instrument :

BNA_G

ClientSampleId :

HR-03-033123

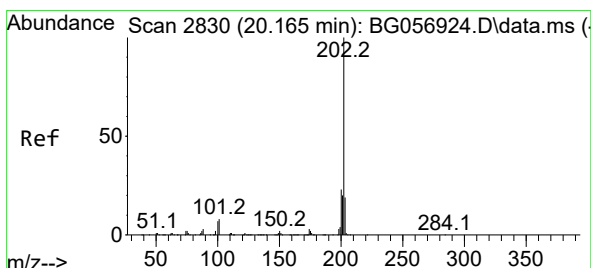
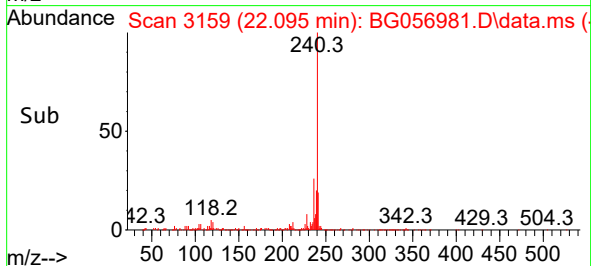
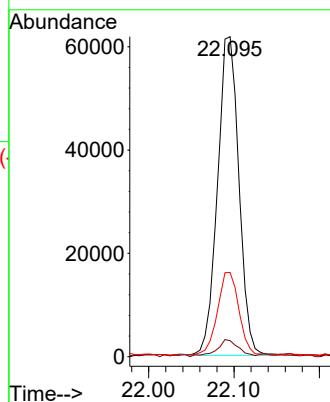
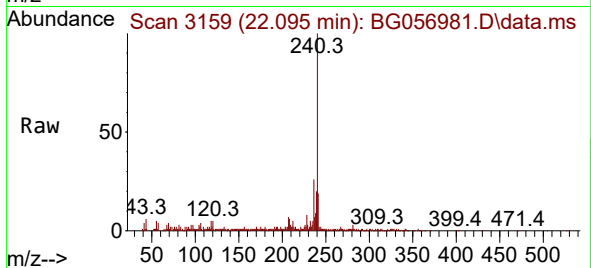
Tgt Ion:240 Resp: 107671

Ion Ratio Lower Upper

240 100

120 5.0 3.8 5.6

236 26.3 21.0 31.6



#78

Pyrene

Concen: 11.744 ng

RT: 20.169 min Scan# 2831

Delta R.T. 0.004 min

Lab File: BG056981.D

Acq: 5 Apr 2023 1:50

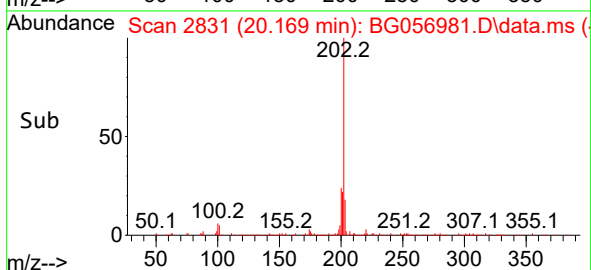
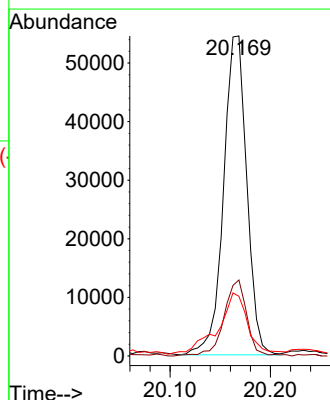
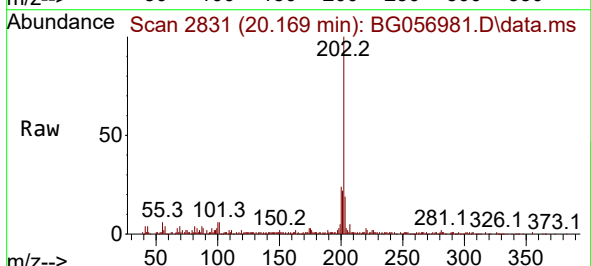
Tgt Ion:202 Resp: 87459

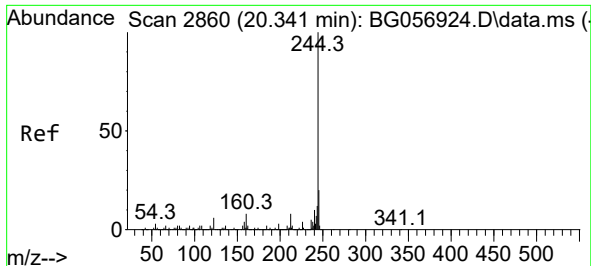
Ion Ratio Lower Upper

202 100

200 23.8 18.7 28.1

203 18.7 15.4 23.2

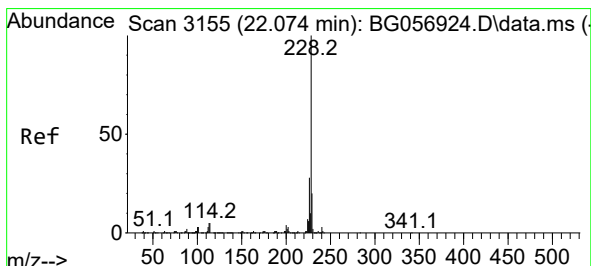
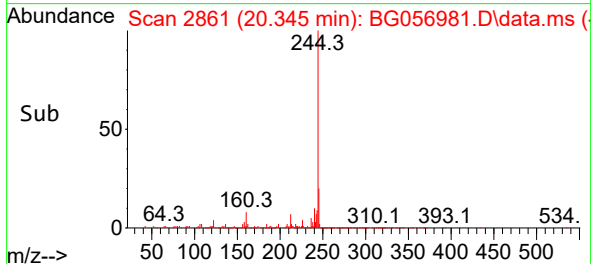
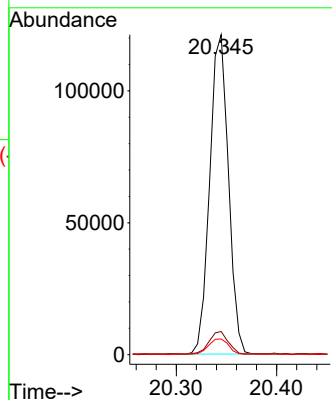
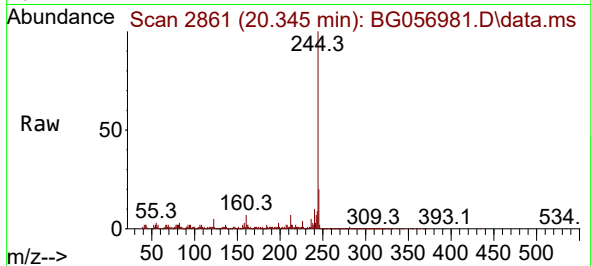




#79
 Terphenyl-d14
 Concen: 24.574 ng
 RT: 20.345 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG056981.D
 Acq: 5 Apr 2023 1:50

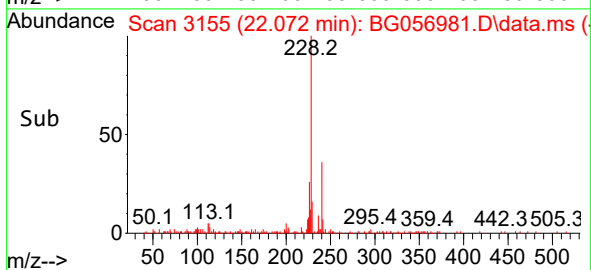
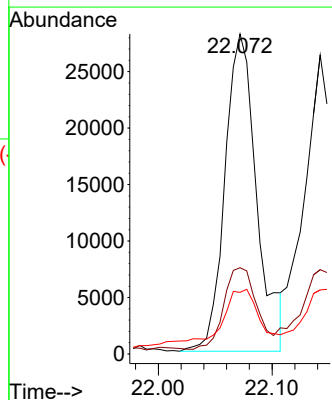
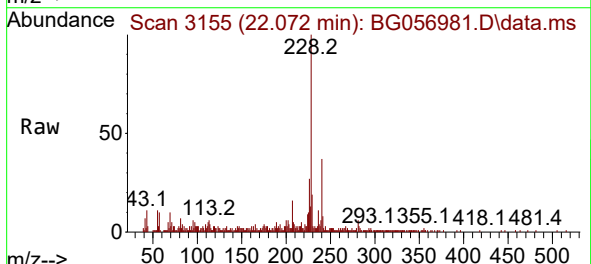
Instrument :
 BNA_G
 ClientSampleId :
 HR-03-033123

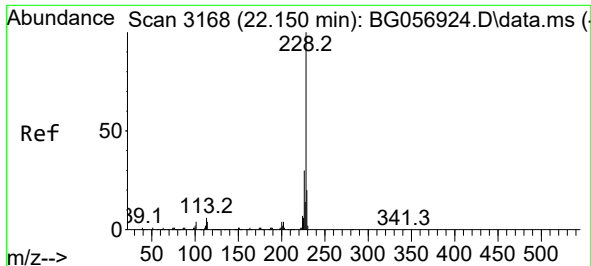
Tgt Ion:244 Resp: 156364
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 4.9 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 7.320 ng
 RT: 22.072 min Scan# 3155
 Delta R.T. -0.002 min
 Lab File: BG056981.D
 Acq: 5 Apr 2023 1:50

Tgt Ion:228 Resp: 54539
 Ion Ratio Lower Upper
 228 100
 226 27.0 22.1 33.1
 229 19.3 16.1 24.1

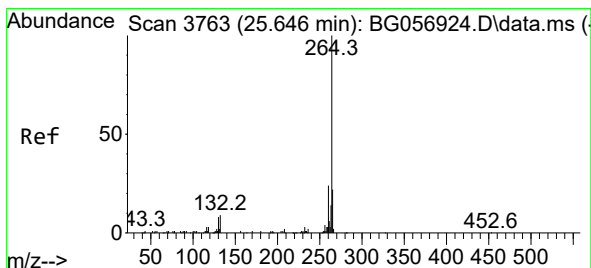
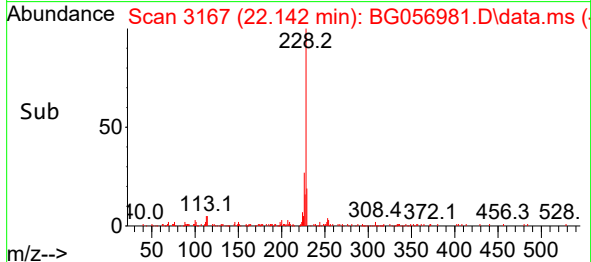
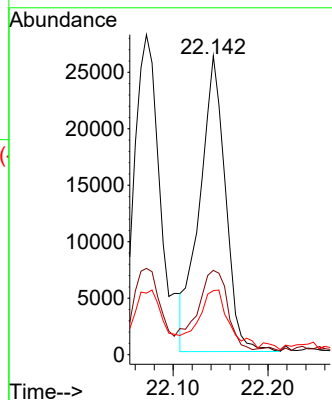
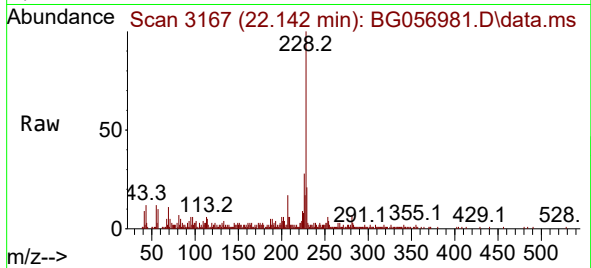




#83
Chrysene
Concen: 7.104 ng
RT: 22.142 min Scan# 3168
Delta R.T. -0.008 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

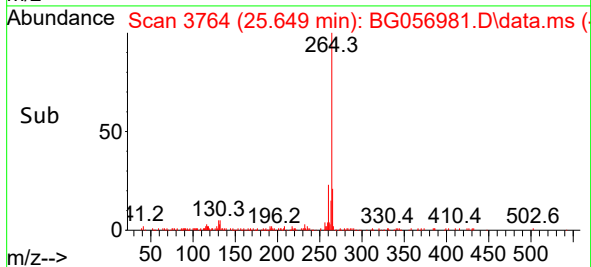
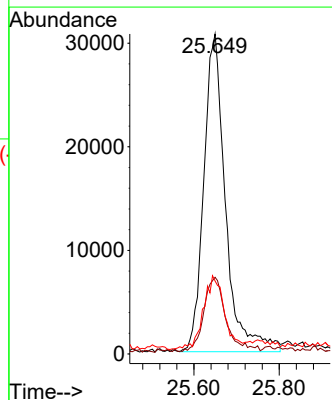
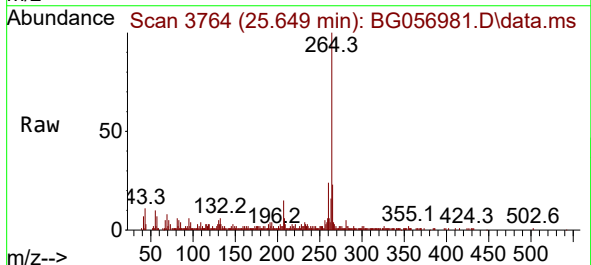
Instrument :
BNA_G
ClientSampleId :
HR-03-033123

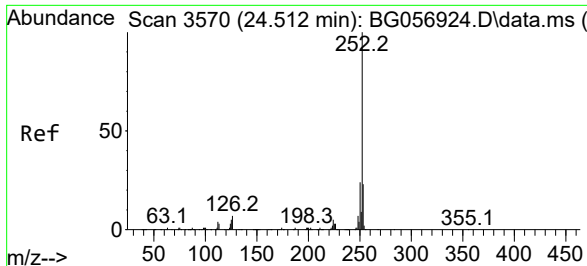
Tgt Ion:228	Resp:	49559
Ion Ratio	Lower	Upper
228	100	
226	28.2	24.1 36.1
229	21.4	15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.649 min Scan# 3764
Delta R.T. 0.004 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Tgt Ion:264	Resp:	108739
Ion Ratio	Lower	Upper
264	100	
260	24.0	19.0 28.4
265	22.8	17.8 26.6

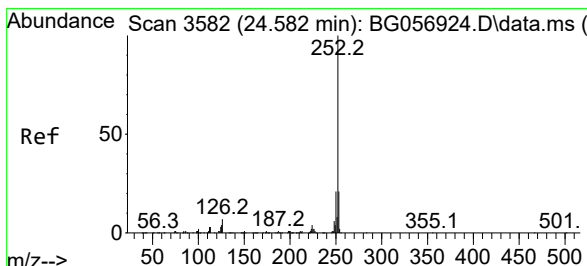
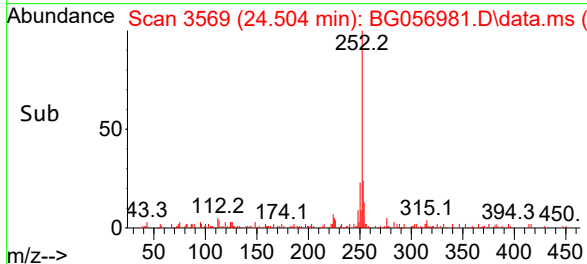
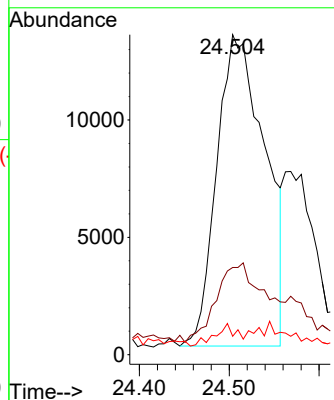
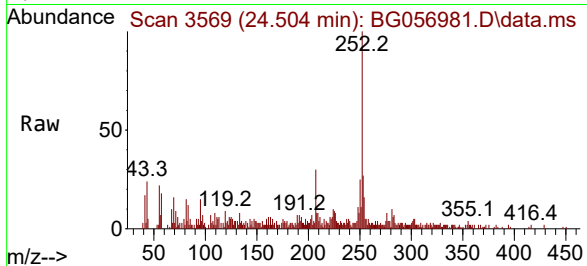




#88
Benzo(b)fluoranthene
Concen: 7.273 ng
RT: 24.504 min Scan# 3569
Delta R.T. -0.008 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

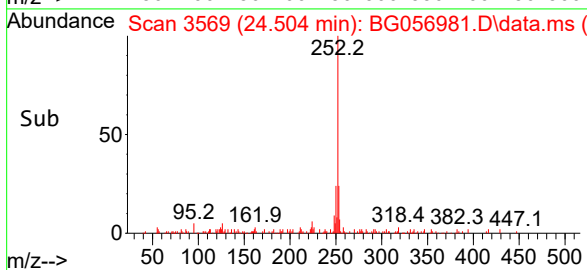
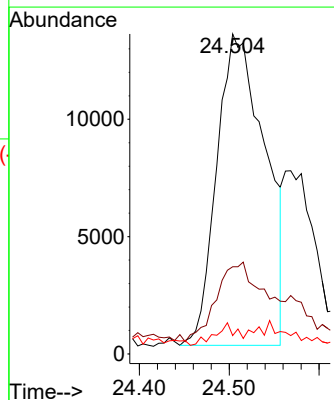
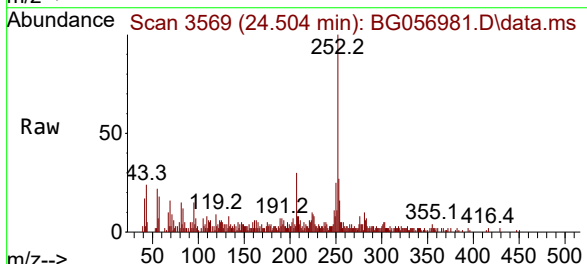
Instrument :
BNA_G
ClientSampleId :
HR-03-033123

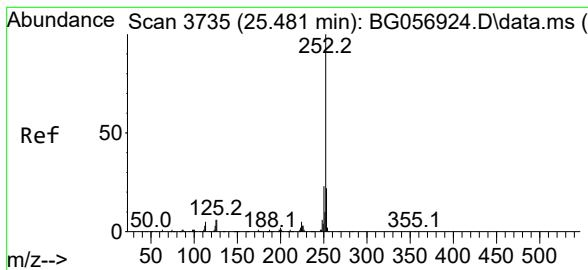
Tgt Ion:252 Resp: 49452
Ion Ratio Lower Upper
252 100
253 27.2 18.1 27.1#
125 5.7 4.2 6.4



#89
Benzo(k)fluoranthene
Concen: 7.285 ng
RT: 24.504 min Scan# 3569
Delta R.T. -0.078 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Tgt Ion:252 Resp: 49452
Ion Ratio Lower Upper
252 100
253 27.2 17.1 25.7#
125 5.7 3.8 5.6#





#90

Benzo(a)pyrene

Concen: 5.581 ng

RT: 25.473 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056981.D

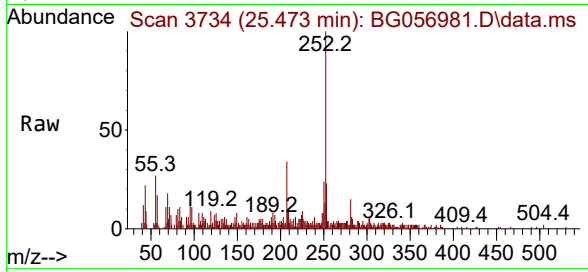
Acq: 5 Apr 2023 1:50

Instrument :

BNA_G

ClientSampleId :

HR-03-033123



Tgt Ion:252 Resp: 37293

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

125 7.9 4.5 6.7#

