

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040423\
 Data File : BG056971.D
 Acq On : 4 Apr 2023 18:53
 Operator : CG/JU
 Sample : 02161-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-6

Quant Time: Apr 05 04:10:04 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)

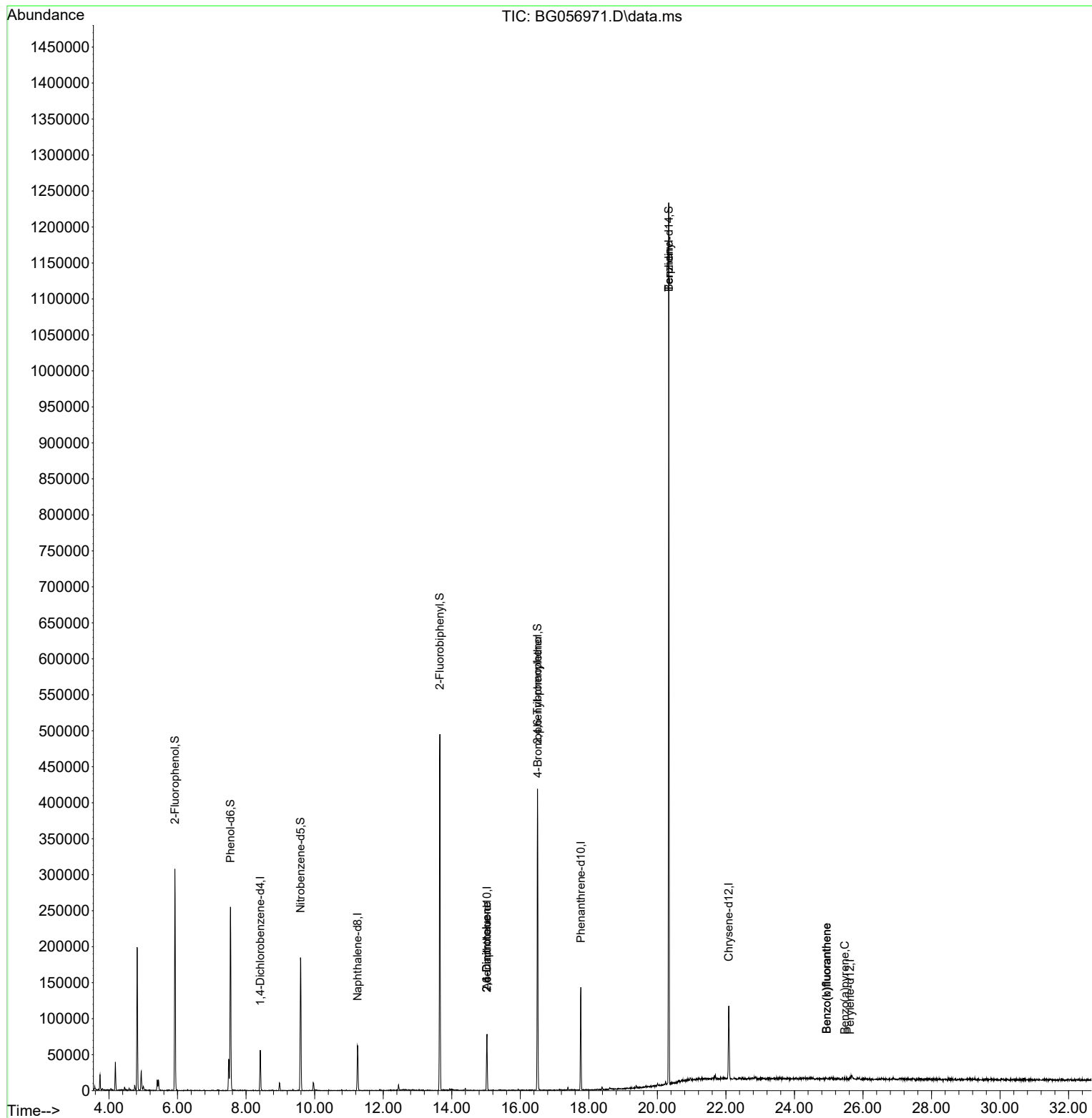
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	14006	20.000	ng	0.00
21) Naphthalene-d8	11.251	136	52173	20.000	ng	0.00
39) Acenaphthene-d10	15.028	164	26629	20.000	ng	0.00
64) Phenanthrene-d10	17.766	188	87091	20.000	ng	# 0.00
76) Chrysene-d12	22.084	240	52587	20.000	ng	-0.01
86) Perylene-d12	25.626	264	168	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.923	112	117869	134.687	ng	0.00
7) Phenol-d6	7.544	99	129126	98.655	ng	0.00
23) Nitrobenzene-d5	9.589	82	116873	91.660	ng	0.00
42) 2,4,6-Tribromophenol	16.503	330	82128	193.057	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	249775	127.191	ng	0.00
79) Terphenyl-d14	20.333	244	554760	178.512	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	15.022	165	3490	7.699	ng	# 18
57) 2,4-Dinitrotoluene	15.022	165	3490	5.458	ng	# 18
67) 4-Bromophenyl-phenylether	16.509	248	5296	4.915	ng	# 1
77) Benzidine	20.333	184	9613	6.688	ng	# 86
88) Benzo(b)fluoranthene	24.938	252	56	5.331	ng	# 59
89) Benzo(k)fluoranthene	24.938	252	56	5.339	ng	# 60
90) Benzo(a)pyrene	25.473	252	57	5.521	ng	# 60

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

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Quant Time: Apr 05 04:10:04 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

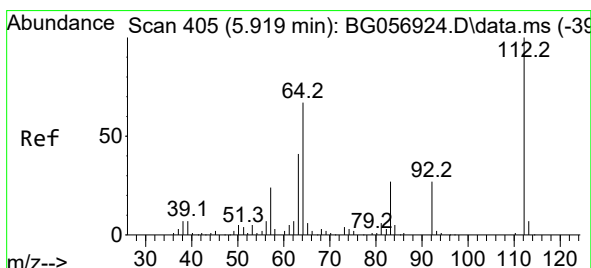
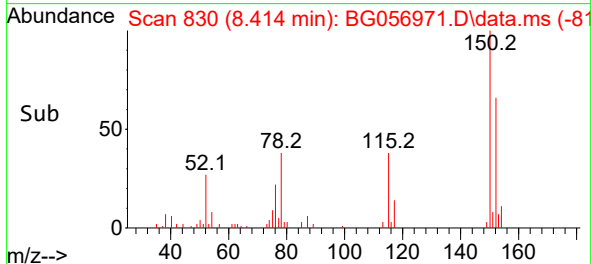
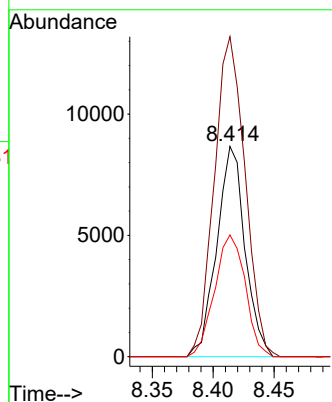
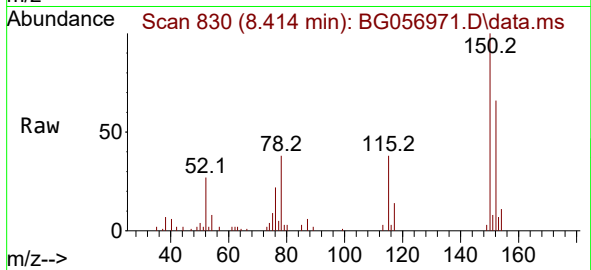




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.414 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53

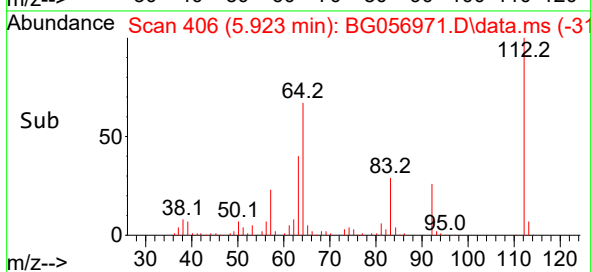
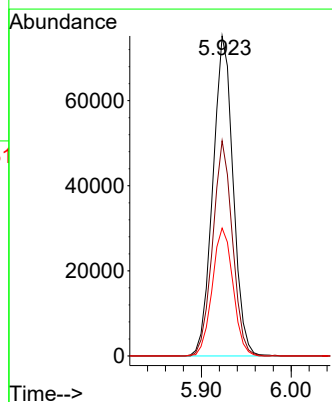
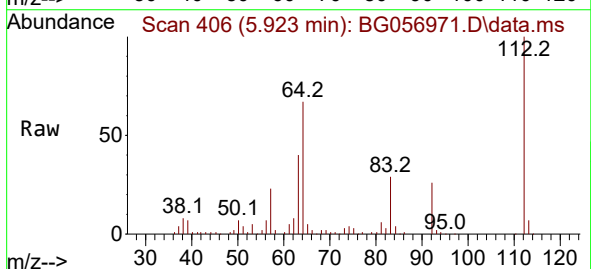
Instrument :
BNA_G
ClientSampleId :
WC-6

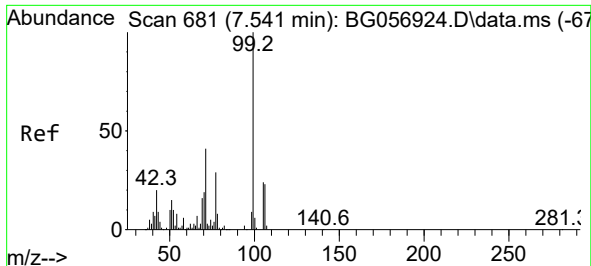
Tgt Ion:152 Resp: 14006
Ion Ratio Lower Upper
152 100
150 152.2 124.1 186.1
115 57.9 49.1 73.7



#5
2-Fluorophenol
Concen: 134.687 ng
RT: 5.923 min Scan# 406
Delta R.T. 0.004 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53

Tgt Ion:112 Resp: 117869
Ion Ratio Lower Upper
112 100
64 67.3 53.2 79.8
63 40.0 32.6 48.8

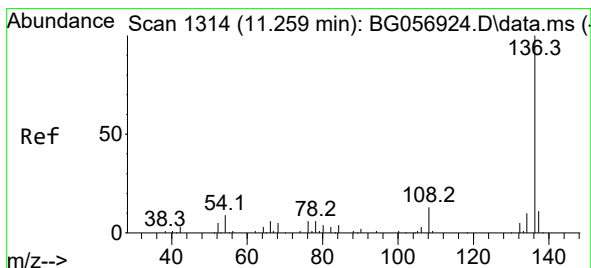
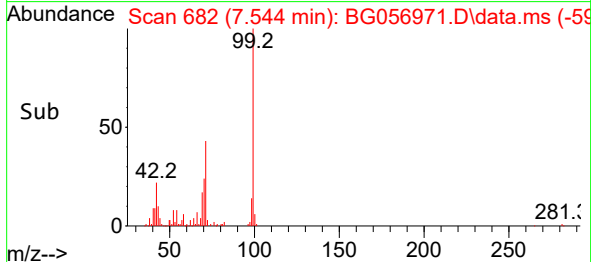
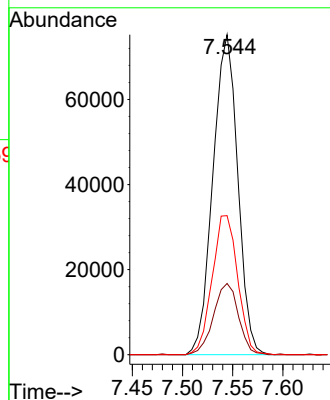
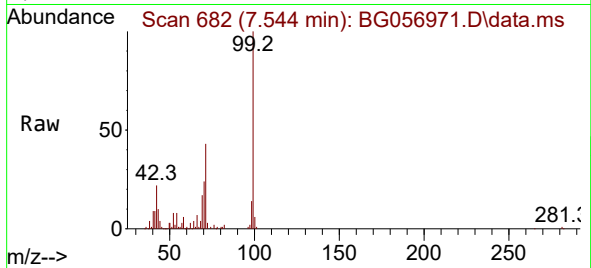




#7
Phenol-d6
Concen: 98.655 ng
RT: 7.544 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53

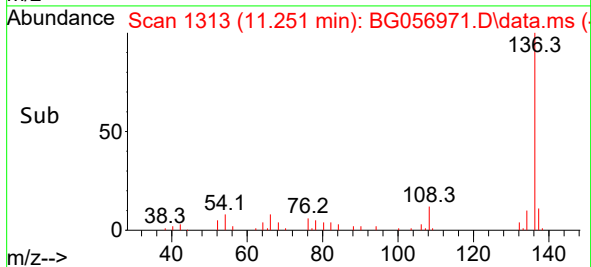
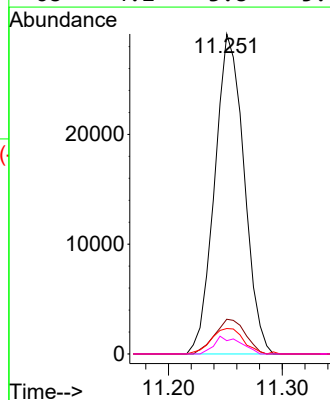
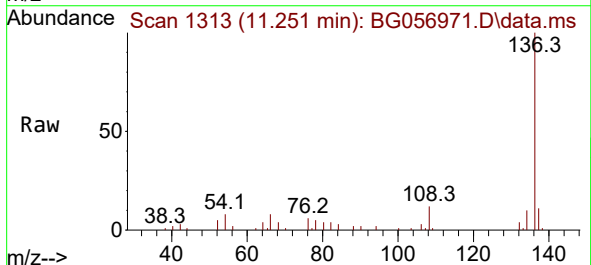
Instrument :
BNA_G
ClientSampleId :
WC-6

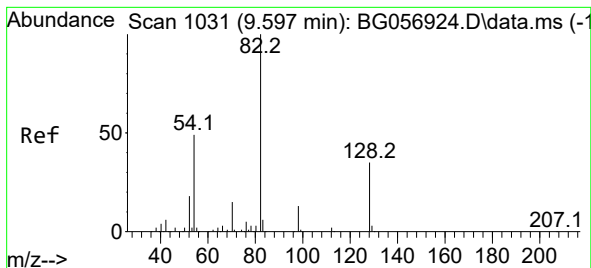
Tgt Ion: 99 Resp: 129126
Ion Ratio Lower Upper
99 100
42 22.2 15.7 23.5
71 43.4 32.5 48.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.251 min Scan# 1313
Delta R.T. -0.008 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53

Tgt Ion: 136 Resp: 52173
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.0 6.9 10.3
68 4.2 3.8 5.6





#23

Nitrobenzene-d5

Concen: 91.660 ng

RT: 9.589 min Scan# 1030

Delta R.T. -0.008 min

Lab File: BG056971.D

Acq: 4 Apr 2023 18:53

Instrument :

BNA_G

ClientSampleId :

WC-6

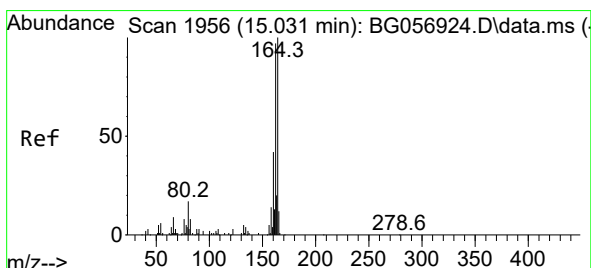
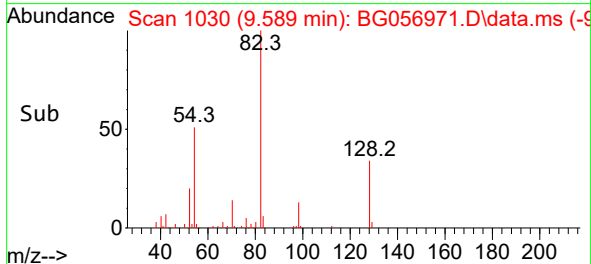
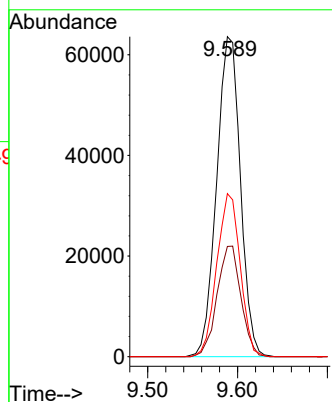
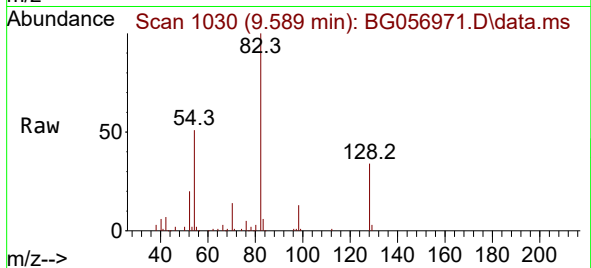
Tgt Ion: 82 Resp: 116873

Ion Ratio Lower Upper

82 100

128 34.5 27.9 41.9

54 51.0 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: BG056971.D

Acq: 4 Apr 2023 18:53

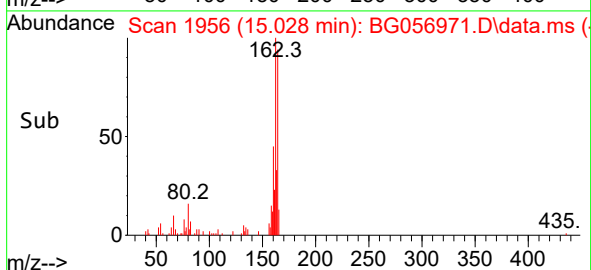
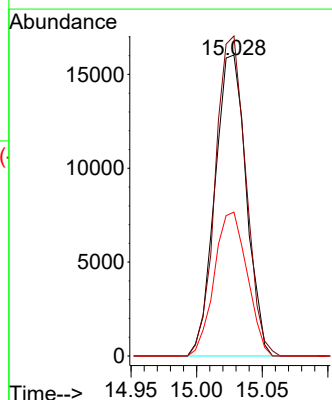
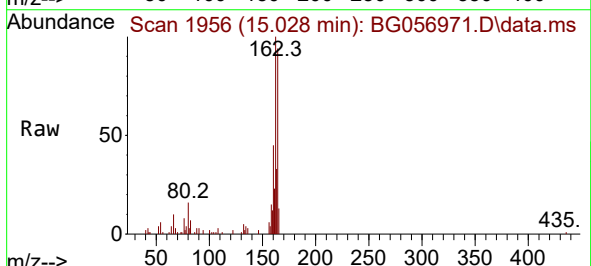
Tgt Ion:164 Resp: 26629

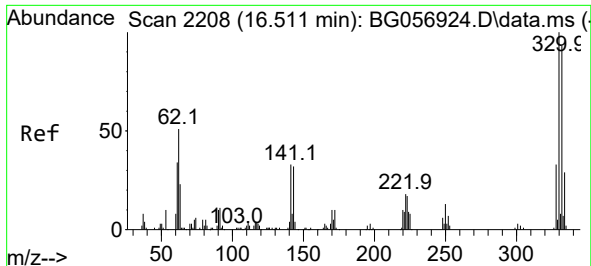
Ion Ratio Lower Upper

164 100

162 106.3 77.8 116.8

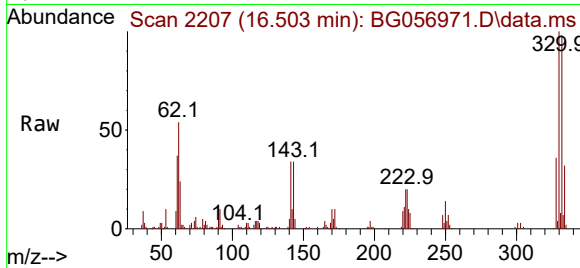
160 47.8 33.5 50.3



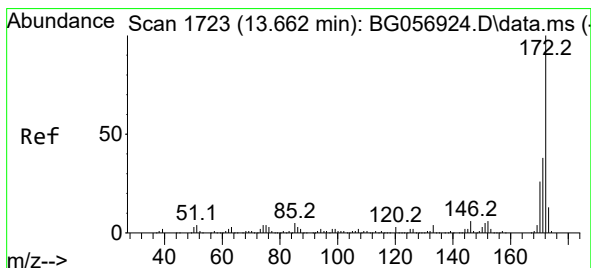
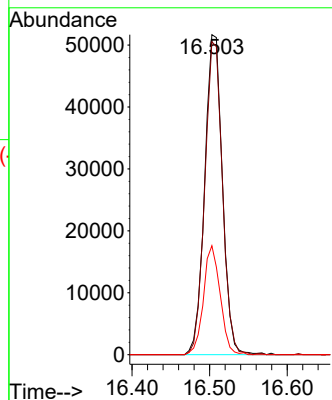
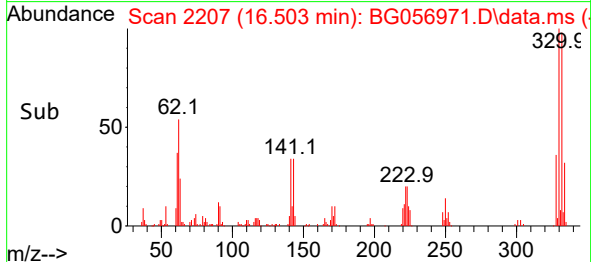


#42
2,4,6-Tribromophenol
Concen: 193.057 ng
RT: 16.503 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53

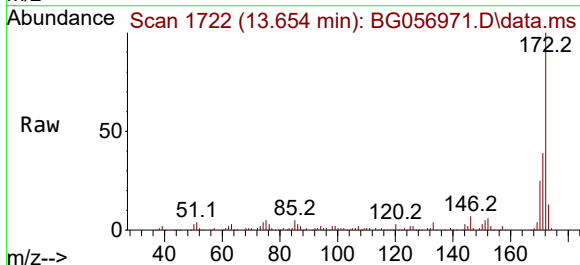
Instrument :
BNA_G
ClientSampleId :
WC-6



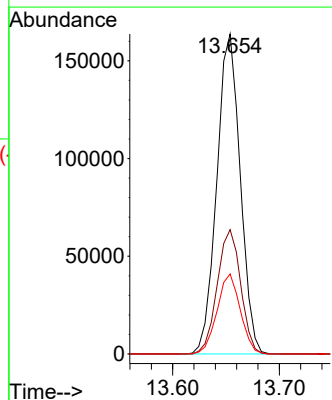
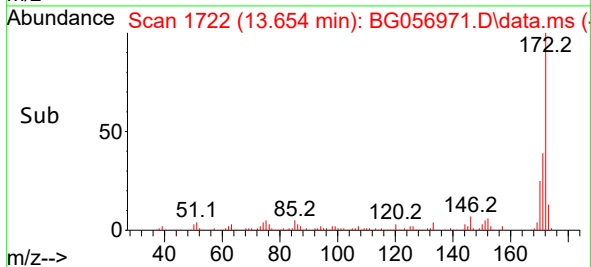
Tgt Ion:330 Resp: 82128
Ion Ratio Lower Upper
330 100
332 96.9 76.1 114.1
141 32.0 25.8 38.6

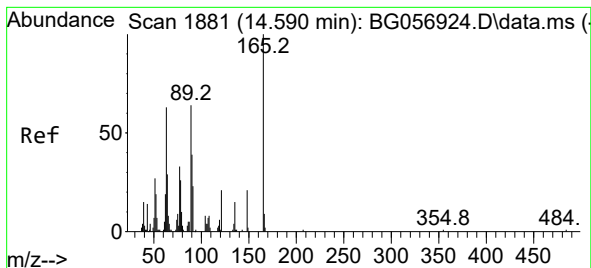


#45
2-Fluorobiphenyl
Concen: 127.191 ng
RT: 13.654 min Scan# 1722
Delta R.T. -0.008 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53



Tgt Ion:172 Resp: 249775
Ion Ratio Lower Upper
172 100
171 38.8 30.6 46.0
170 25.0 20.6 30.8

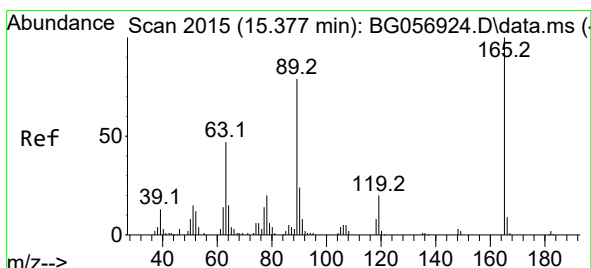
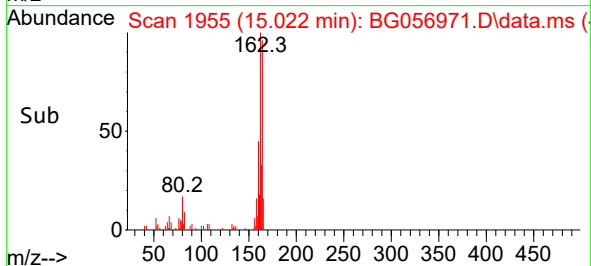
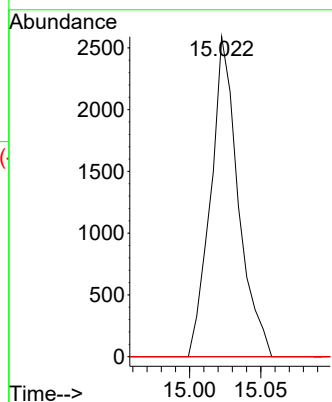
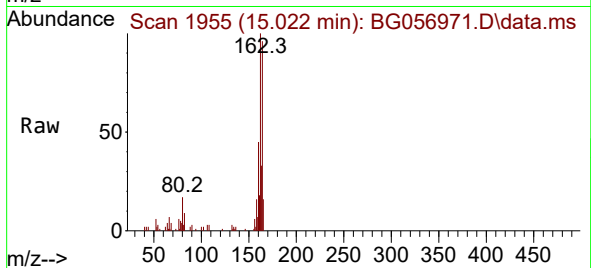




#51
2,6-Dinitrotoluene
Concen: 7.699 ng
RT: 15.022 min Scan# 1955
Delta R.T. 0.433 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53

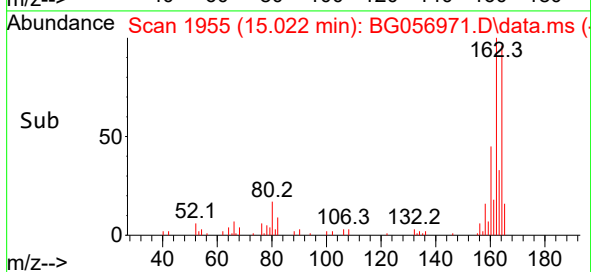
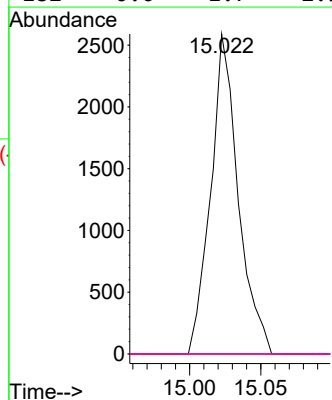
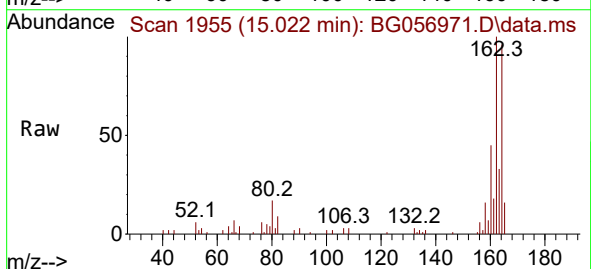
Instrument :
BNA_G
ClientSampleId :
WC-6

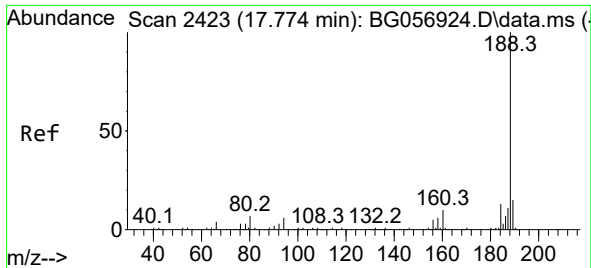
Tgt Ion:165 Resp: 3490
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#



#57
2,4-Dinitrotoluene
Concen: 5.458 ng
RT: 15.022 min Scan# 1955
Delta R.T. -0.355 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53

Tgt Ion:165 Resp: 3490
Ion Ratio Lower Upper
165 100
63 0.0 37.7 56.5#
89 0.0 63.2 94.8#
182 0.0 1.7 2.5#

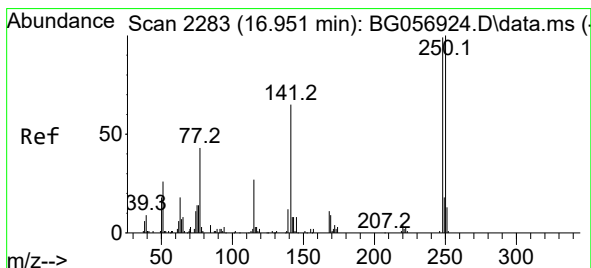
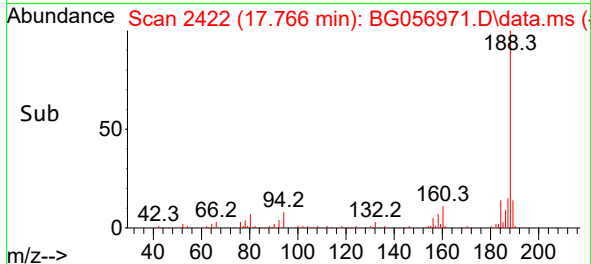
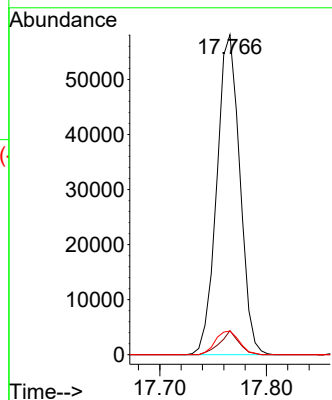
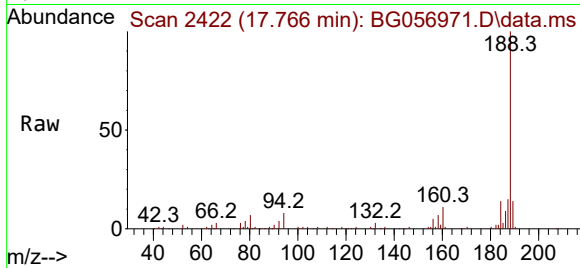




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.766 min Scan# 24
Delta R.T. -0.008 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53

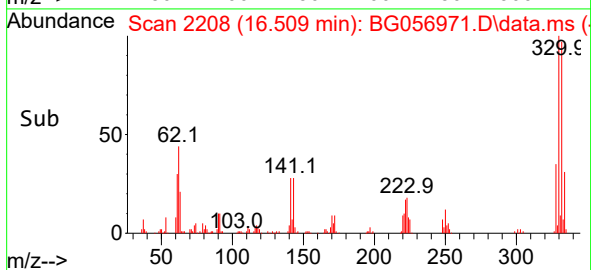
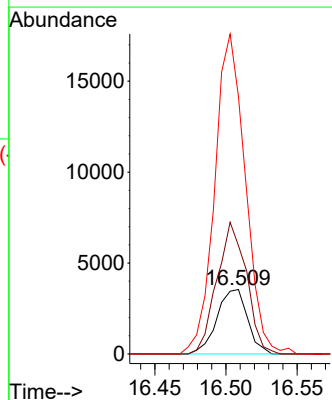
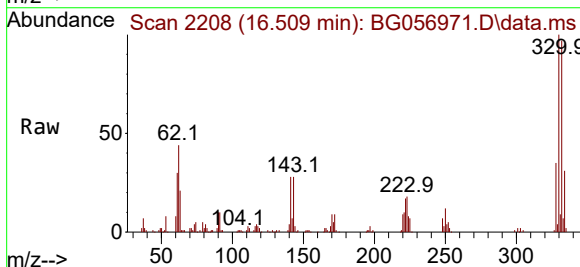
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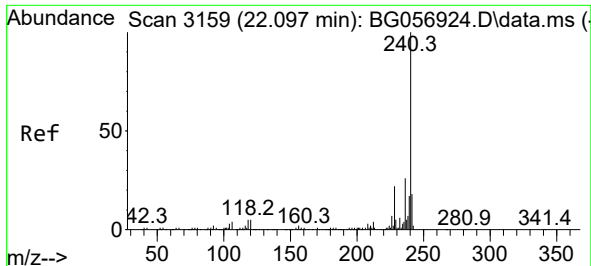
Tgt Ion:188 Resp: 87091
Ion Ratio Lower Upper
188 100
94 7.5 4.6 6.8#
80 7.4 5.5 8.3



#67
4-Bromophenyl-phenylether
Concen: 4.915 ng
RT: 16.509 min Scan# 2208
Delta R.T. -0.443 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53

Tgt Ion:248 Resp: 5296
Ion Ratio Lower Upper
248 100
250 168.1 80.5 120.7#
141 399.6 52.0 78.0#

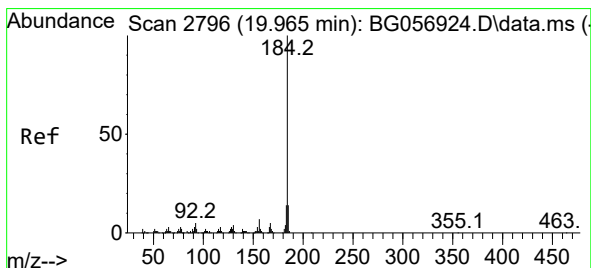
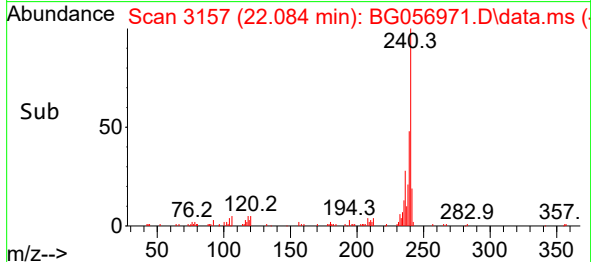
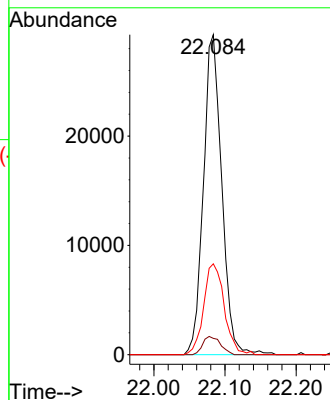
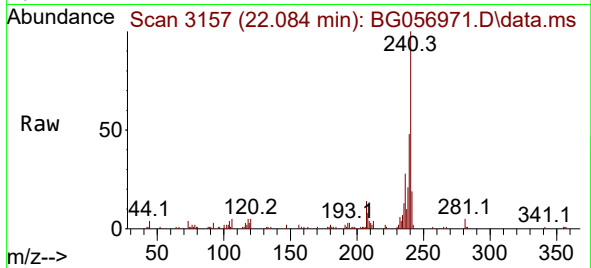




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.084 min Scan# 3157
Delta R.T. -0.014 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53

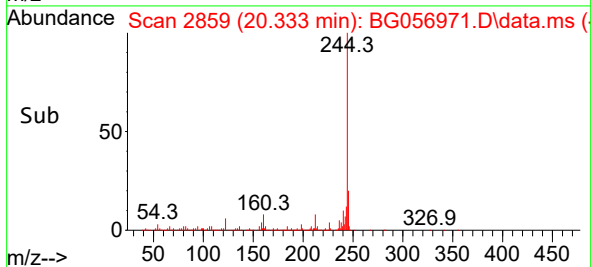
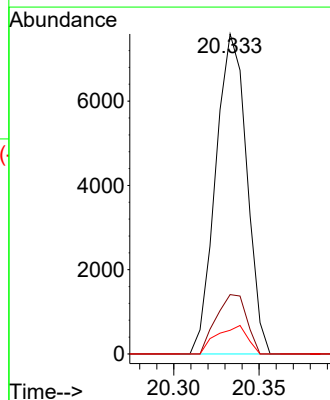
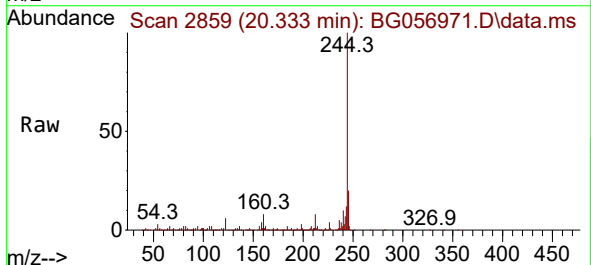
Instrument :
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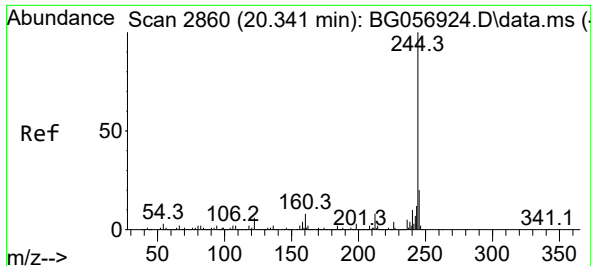
Tgt Ion:240 Resp: 52587
Ion Ratio Lower Upper
240 100
120 5.1 3.8 5.6
236 28.4 21.0 31.6



#77
Benzidine
Concen: 6.688 ng
RT: 20.333 min Scan# 2859
Delta R.T. 0.368 min
Lab File: BG056971.D
Acq: 4 Apr 2023 18:53

Tgt Ion:184 Resp: 9613
Ion Ratio Lower Upper
184 100
185 18.5 11.0 16.4#
183 7.4 11.4 17.0#

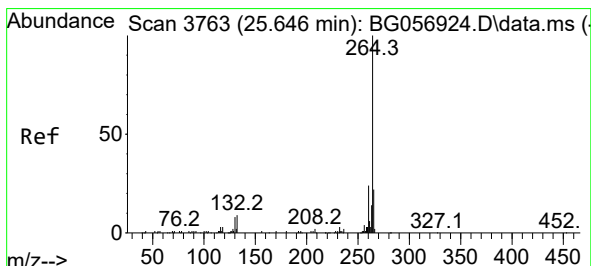
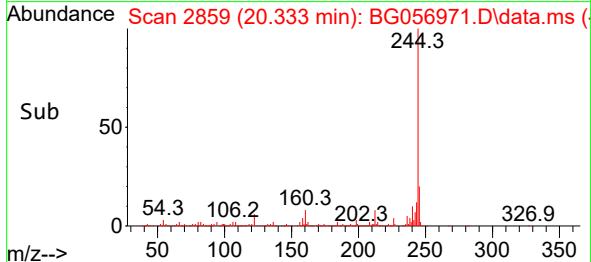
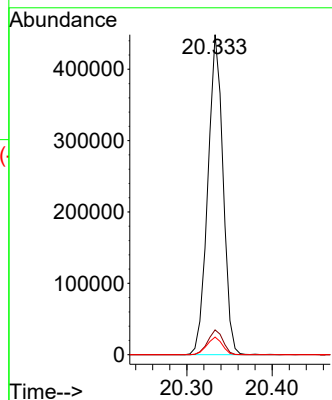
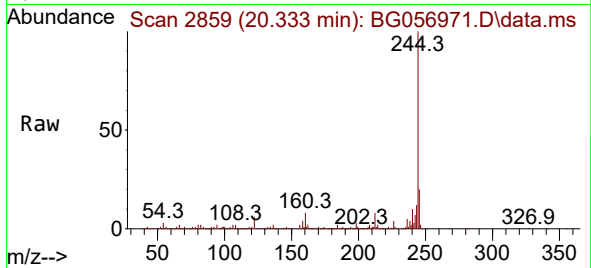




#79
 Terphenyl-d14
 Concen: 178.512 ng
 RT: 20.333 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG056971.D
 Acq: 4 Apr 2023 18:53

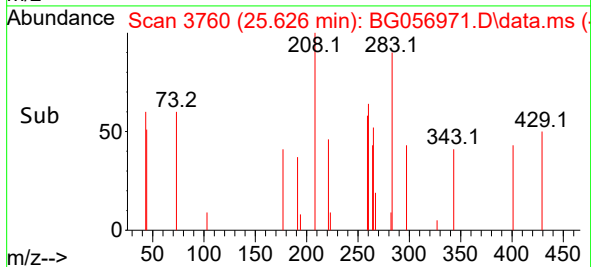
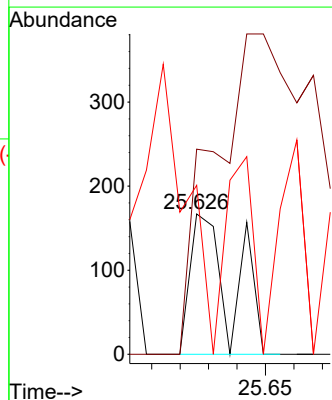
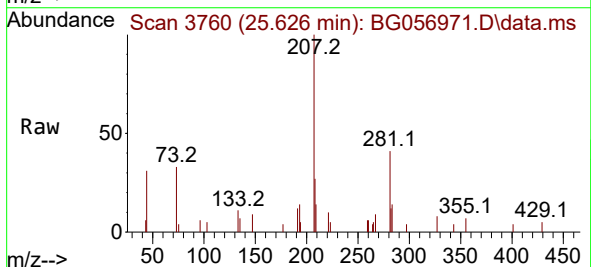
Instrument :
 BNA_G
 ClientSampleId :
 WC-6

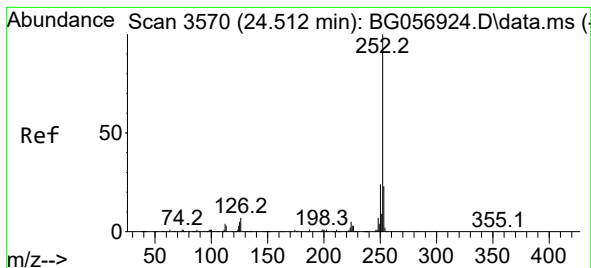
Tgt Ion:244 Resp: 554760
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 5.5 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.626 min Scan# 3760
 Delta R.T. -0.020 min
 Lab File: BG056971.D
 Acq: 4 Apr 2023 18:53

Tgt Ion:264 Resp: 168
 Ion Ratio Lower Upper
 264 100
 260 146.1 19.0 28.4#
 265 120.4 17.8 26.6#





#88

Benzo(b)fluoranthene

Concen: 5.331 ng

RT: 24.938 min Scan# 3

Delta R.T. 0.427 min

Lab File: BG056971.D

Acq: 4 Apr 2023 18:53

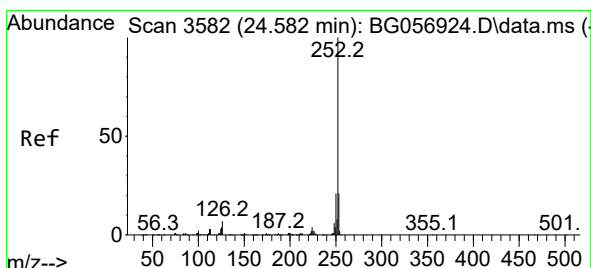
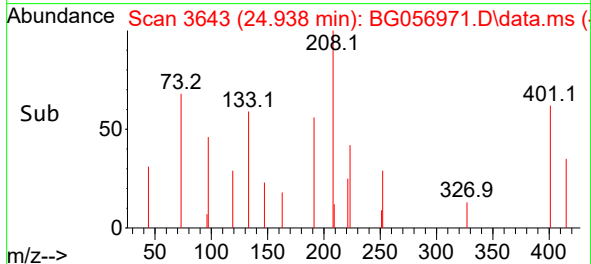
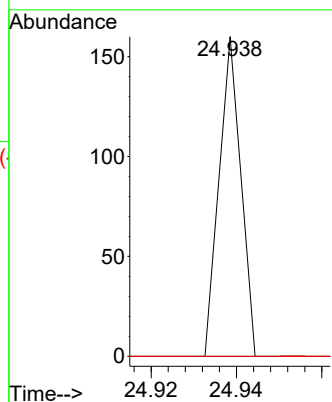
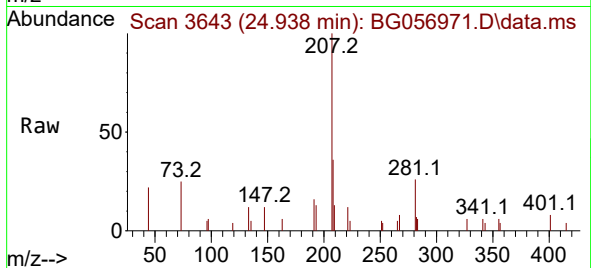
Instrument :

BNA_G

ClientSampleId :

WC-6

Tgt Ion:252	Resp:	56
Ion Ratio	Lower	Upper
252	100	
253	0.0	18.1 27.1#
125	0.0	4.2 6.4#



#89

Benzo(k)fluoranthene

Concen: 5.339 ng

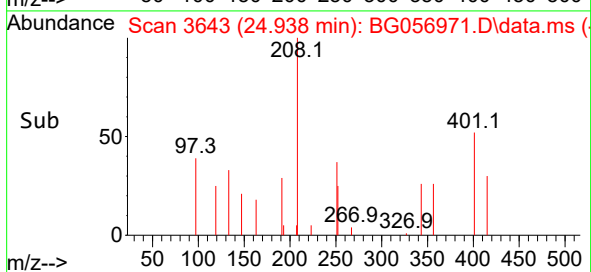
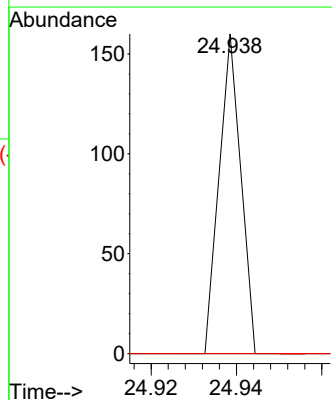
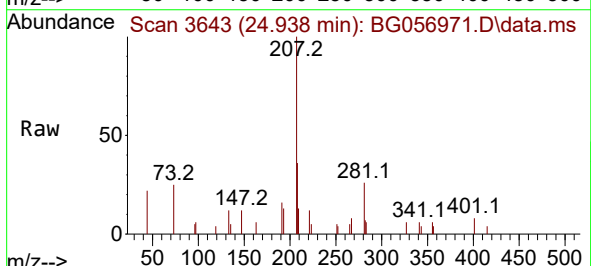
RT: 24.938 min Scan# 3643

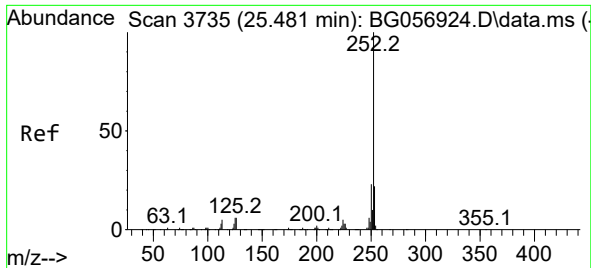
Delta R.T. 0.356 min

Lab File: BG056971.D

Acq: 4 Apr 2023 18:53

Tgt Ion:252	Resp:	56
Ion Ratio	Lower	Upper
252	100	
253	0.0	17.1 25.7#
125	0.0	3.8 5.6#





#90

Benzo(a)pyrene

Concen: 5.521 ng

RT: 25.473 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056971.D

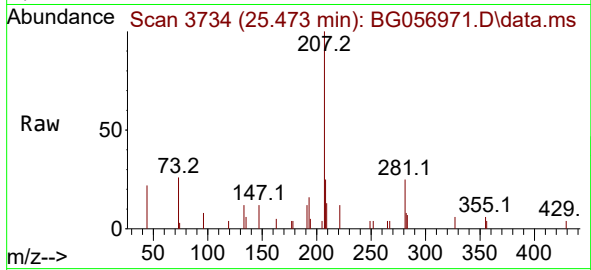
Acq: 4 Apr 2023 18:53

Instrument :

BNA_G

ClientSampleId :

WC-6



Tgt Ion:252 Resp: 57

Ion Ratio Lower Upper

252 100

253 0.0 17.6 26.4#

125 0.0 4.5 6.7#

