

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
 Data File : BG057612.D
 Acq On : 30 May 2023 18:52
 Operator : CG/JU
 Sample : 02955-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC21

Quant Time: May 31 03:29:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 31 03:25:39 2023
 Response via : Initial Calibration

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

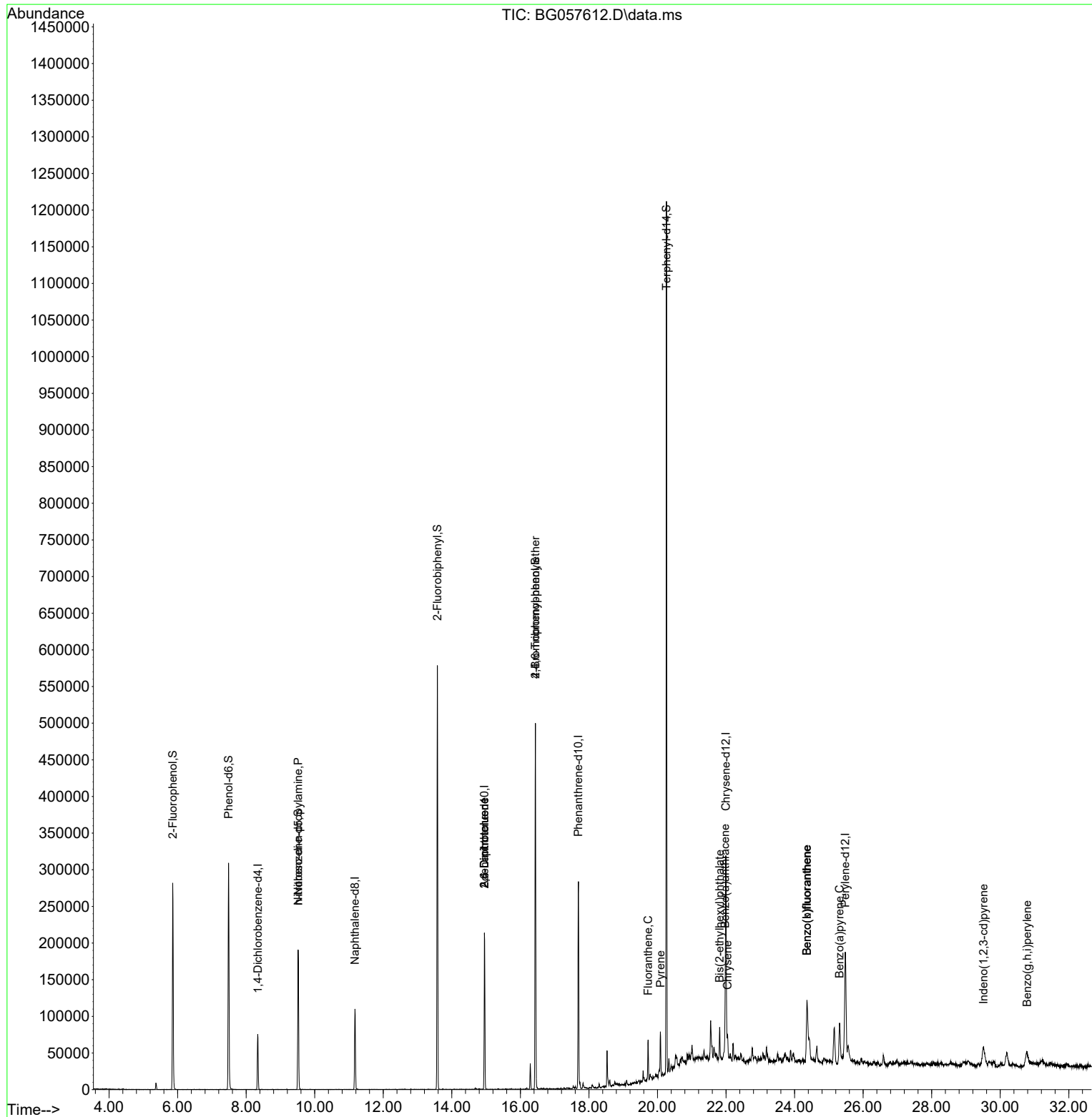
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.343	152	23111	20.000	ng	0.00
21) Naphthalene-d8	11.174	136	96385	20.000	ng	0.00
39) Acenaphthene-d10	14.951	164	76324	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	186465	20.000	ng	0.00
76) Chrysene-d12	21.995	240	162464	20.000	ng	0.00
86) Perylene-d12	25.478	264	179366	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	132076	99.285	ng	0.00
7) Phenol-d6	7.485	99	202052	97.053	ng	0.00
23) Nitrobenzene-d5	9.518	82	125775	61.000	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	105145	86.046	ng	0.00
45) 2-Fluorobiphenyl	13.577	172	316254	59.548	ng	0.00
79) Terphenyl-d14	20.262	244	574369	61.240	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.518	70	16644	11.508	ng	# 78
51) 2,6-Dinitrotoluene	14.951	165	9733	7.228	ng	# 27
57) 2,4-Dinitrotoluene	14.951	165	9733	4.827	ng	# 25
67) 4-Bromophenyl-phenylether	16.438	248	7154	3.420	ng	# 1
75) Fluoranthene	19.727	202	34788	2.808	ng	98
78) Pyrene	20.086	202	40369	3.490	ng	98
81) Benzo(a)anthracene	21.977	228	33922	3.010	ng	95
83) Chrysene	22.042	228	33071	3.105	ng	95
84) Bis(2-ethylhexyl)phtha...	21.813	149	18176	3.025	ng	# 99
87) Indeno(1,2,3-cd)pyrene	29.508	276	49032	3.921	ng	# 85
88) Benzo(b)fluoranthene	24.362	252	98695	8.939	ng	99
89) Benzo(k)fluoranthene	24.362	252	98695	8.858	ng	97
90) Benzo(a)pyrene	25.314	252	59244	5.502	ng	96
92) Benzo(g,h,i)perylene	30.783	276	47398	4.670	ng	# 93

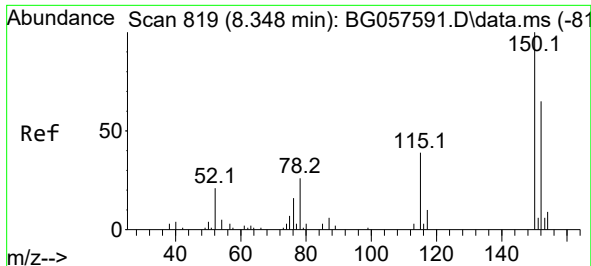
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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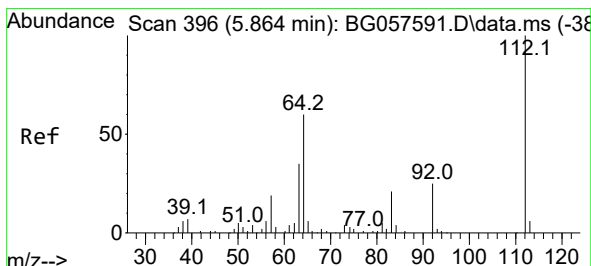
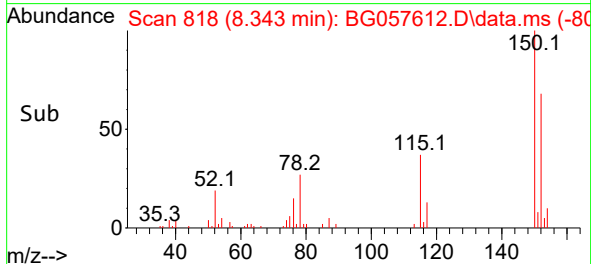
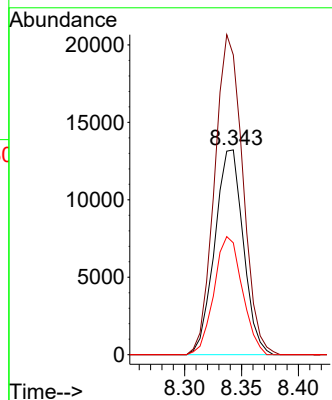
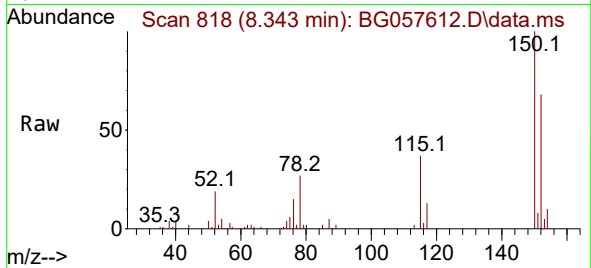




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.343 min Scan# 819
Delta R.T. -0.001 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

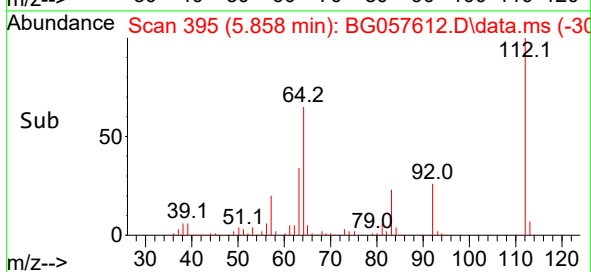
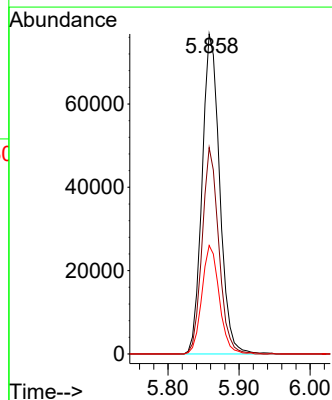
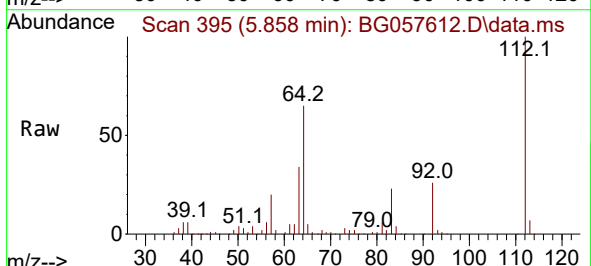
Instrument :
BNA_G
ClientSampleId :
WC21

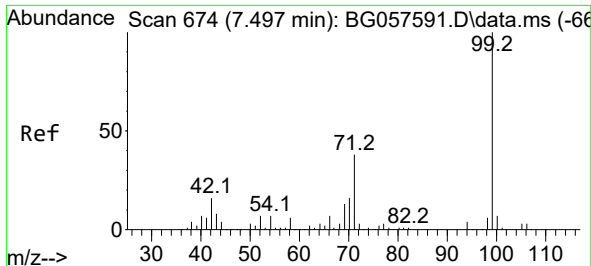
Tgt Ion:152 Resp: 23111
Ion Ratio Lower Upper
152 100
150 146.3 123.0 184.4
115 54.6 47.4 71.2



#5
2-Fluorophenol
Concen: 99.285 ng
RT: 5.858 min Scan# 395
Delta R.T. -0.001 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Tgt Ion:112 Resp: 132076
Ion Ratio Lower Upper
112 100
64 64.5 47.8 71.6
63 33.9 27.8 41.8

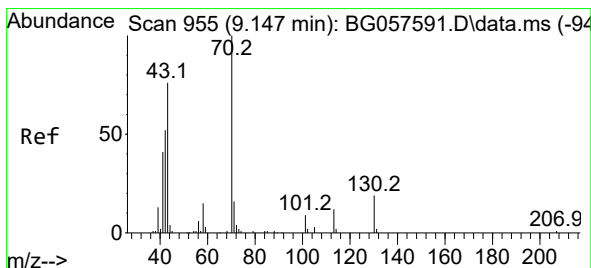
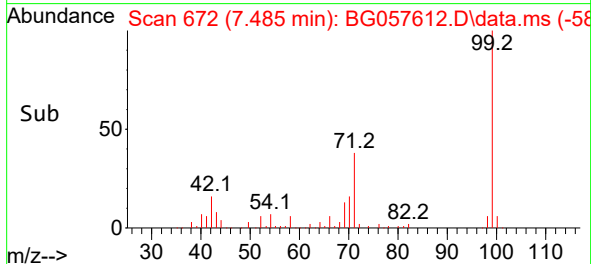
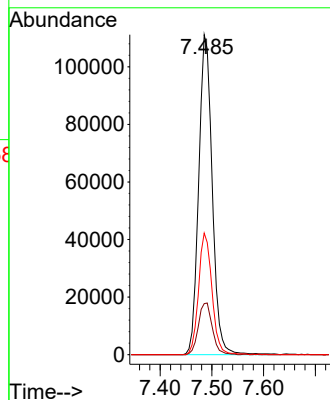
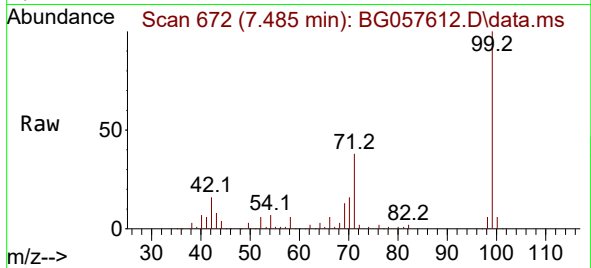




#7
Phenol-d6
Concen: 97.053 ng
RT: 7.485 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

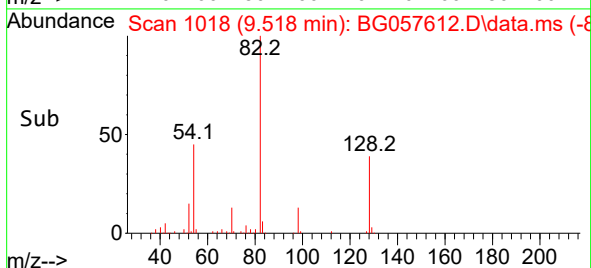
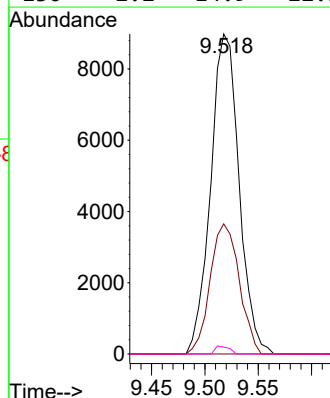
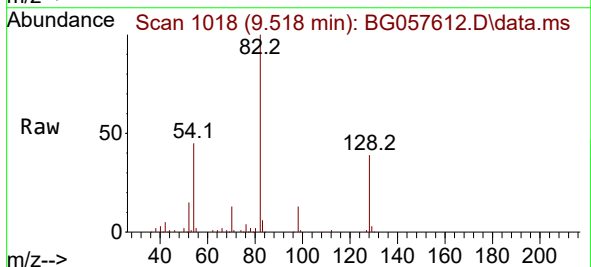
Instrument :
BNA_G
ClientSampleId :
WC21

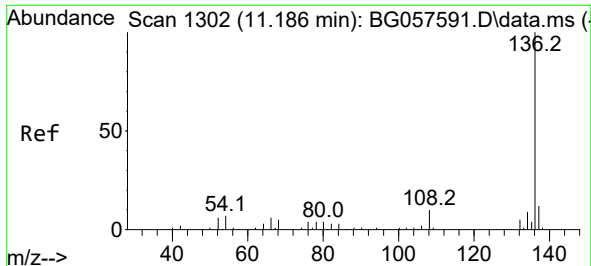
Tgt Ion: 99 Resp: 202052
Ion Ratio Lower Upper
99 100
42 16.0 12.8 19.2
71 38.0 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.508 ng
RT: 9.518 min Scan# 1018
Delta R.T. 0.375 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Tgt Ion: 70 Resp: 16644
Ion Ratio Lower Upper
70 100
42 40.7 41.4 62.0#
101 0.0 6.9 10.3#
130 2.2 14.9 22.3#

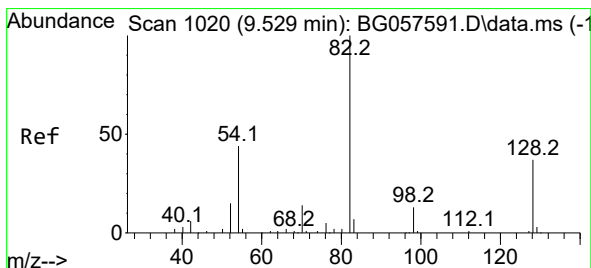
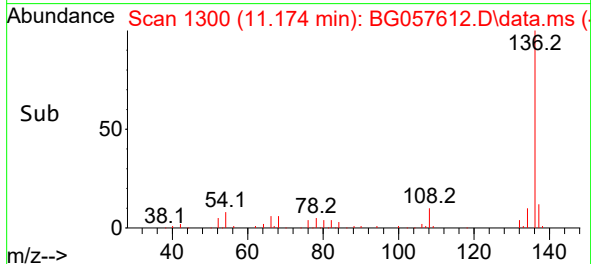
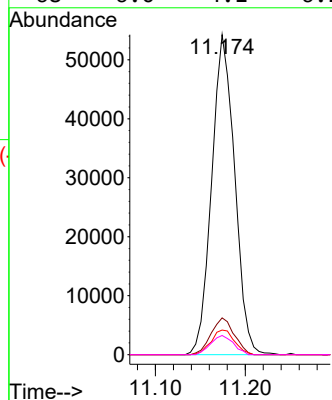
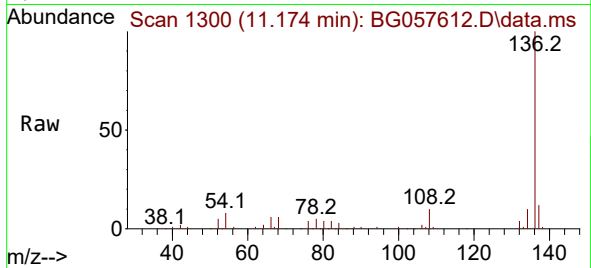




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.174 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

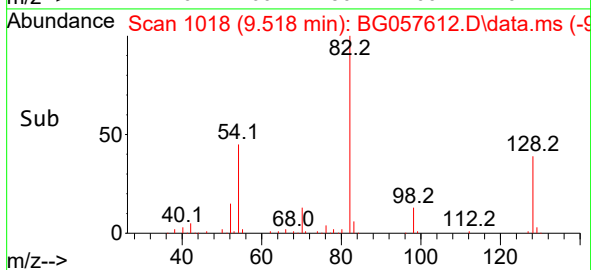
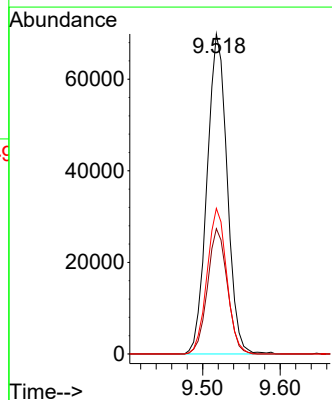
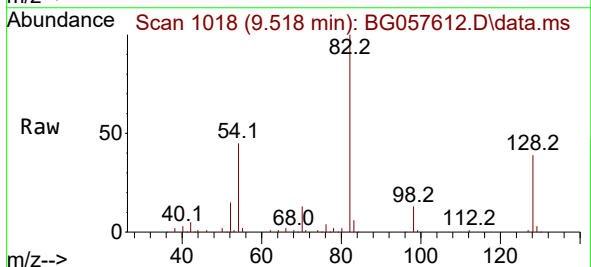
Instrument :
BNA_G
ClientSampleId :
WC21

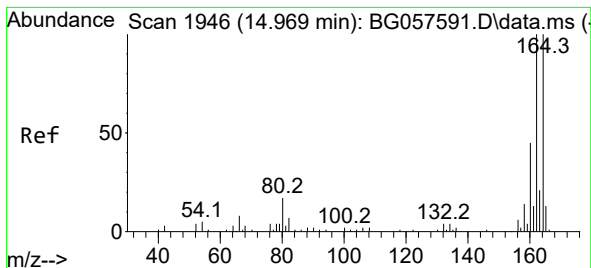
Tgt Ion:136 Resp: 96385
Ion Ratio Lower Upper
136 100
137 11.5 9.8 14.8
54 7.7 5.8 8.6
68 6.0 4.1 6.1



#23
Nitrobenzene-d5
Concen: 61.000 ng
RT: 9.518 min Scan# 1018
Delta R.T. -0.007 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Tgt Ion: 82 Resp: 125775
Ion Ratio Lower Upper
82 100
128 39.2 30.0 45.0
54 45.5 35.2 52.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.951 min Scan# 1943

Delta R.T. -0.007 min

Lab File: BG057612.D

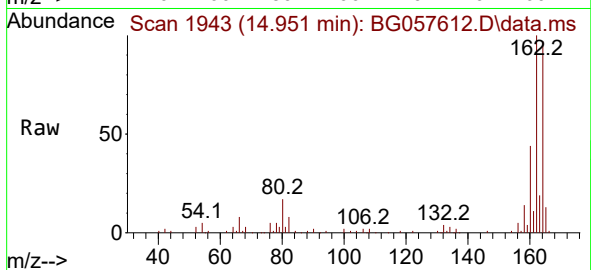
Acq: 30 May 2023 18:52

Instrument :

BNA_G

ClientSampleId :

WC21



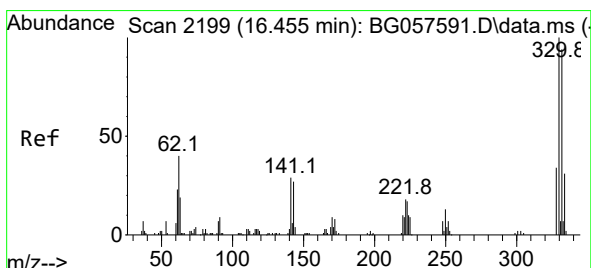
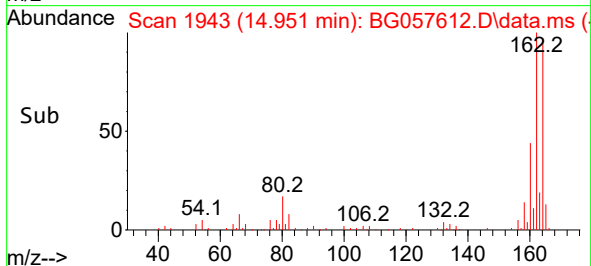
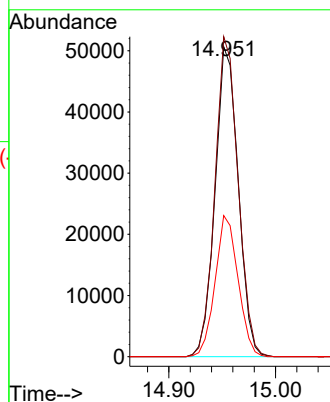
Tgt Ion:164 Resp: 76324

Ion Ratio Lower Upper

164 100

162 103.3 80.1 120.1

160 45.5 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 86.046 ng

RT: 16.438 min Scan# 2196

Delta R.T. -0.007 min

Lab File: BG057612.D

Acq: 30 May 2023 18:52

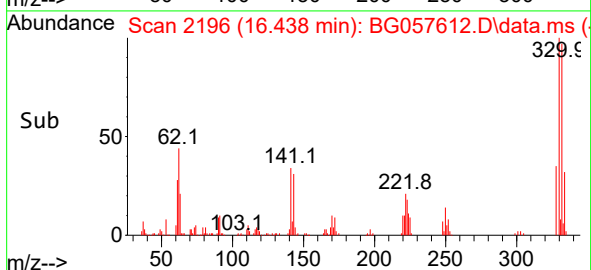
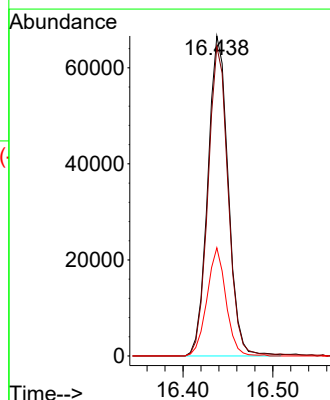
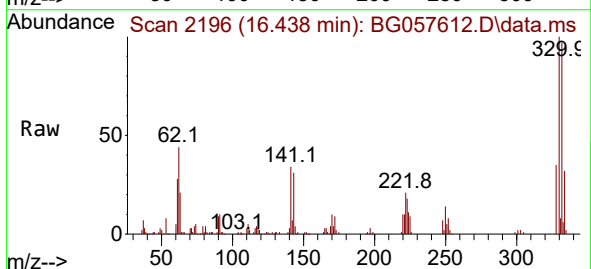
Tgt Ion:330 Resp: 105145

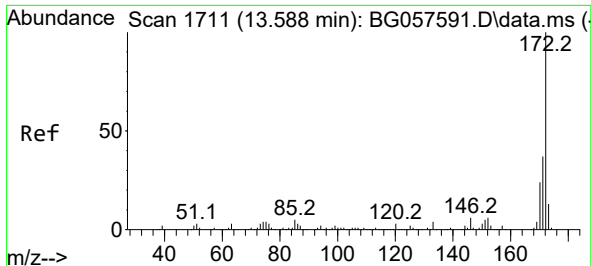
Ion Ratio Lower Upper

330 100

332 95.6 77.3 115.9

141 31.4 24.6 37.0

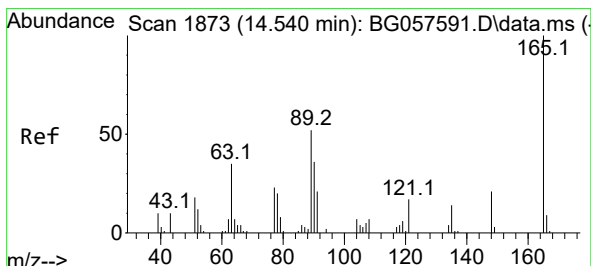
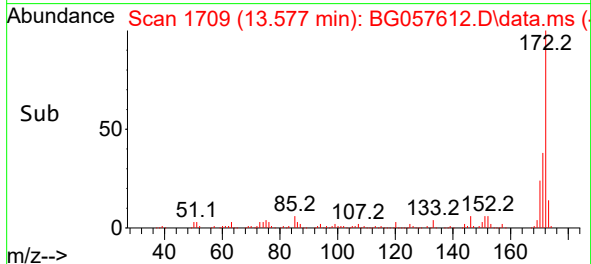
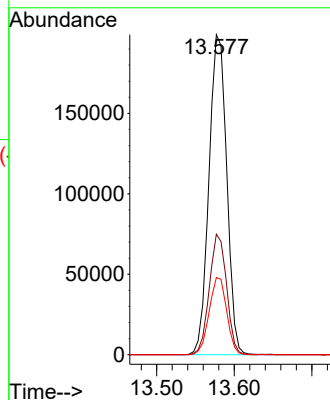
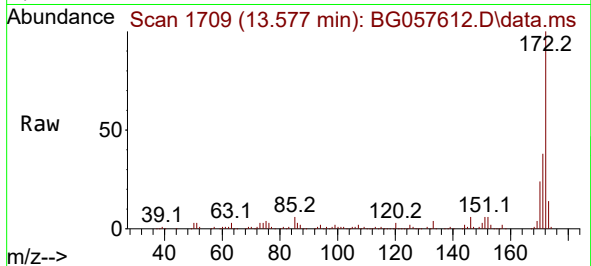




#45
2-Fluorobiphenyl
Concen: 59.548 ng
RT: 13.577 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

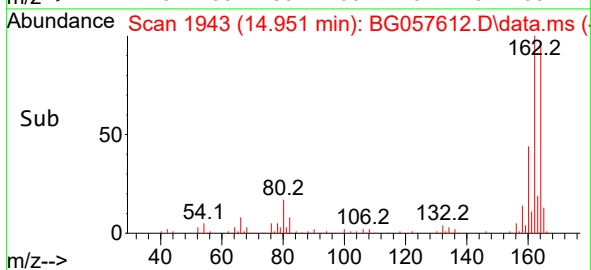
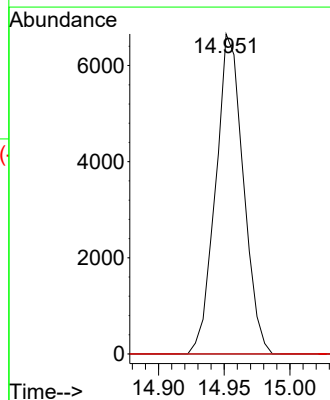
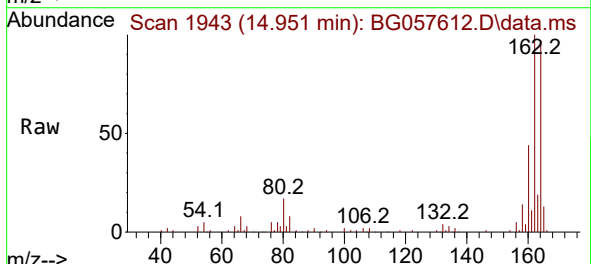
Instrument :
BNA_G
ClientSampleId :
WC21

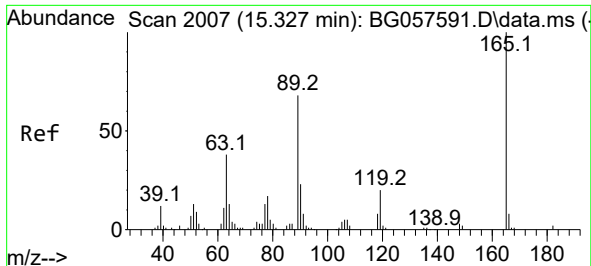
Tgt Ion:172 Resp: 316254
Ion Ratio Lower Upper
172 100
171 37.6 29.2 43.8
170 24.1 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 7.228 ng
RT: 14.951 min Scan# 1943
Delta R.T. 0.422 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Tgt Ion:165 Resp: 9733
Ion Ratio Lower Upper
165 100
63 0.0 39.3 58.9#
89 0.0 41.5 62.3#





#57

2,4-Dinitrotoluene

Concen: 4.827 ng

RT: 14.951 min Scan# 14

Delta R.T. -0.371 min

Lab File: BG057612.D

Acq: 30 May 2023 18:52

Instrument :

BNA_G

ClientSampleId :

WC21

Tgt Ion:165 Resp: 9733

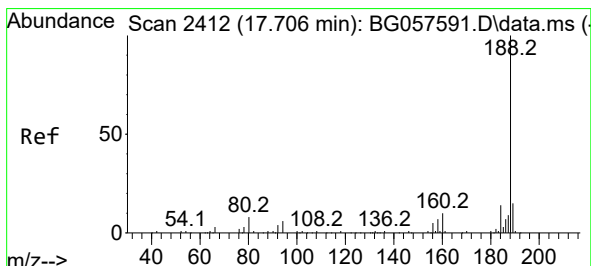
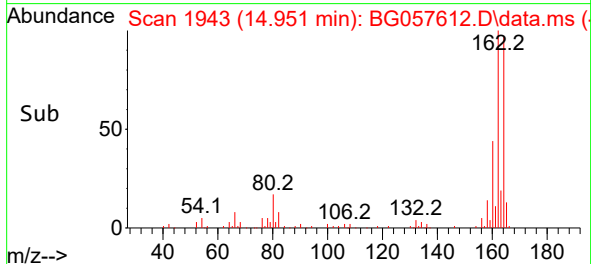
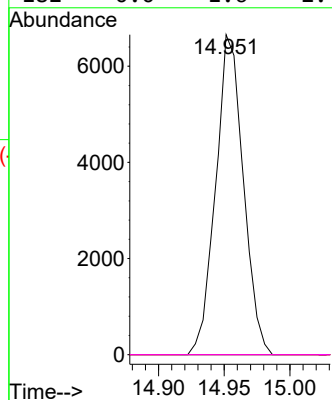
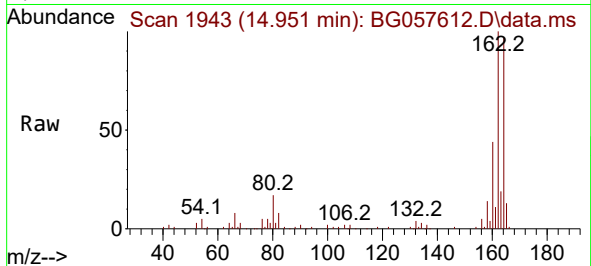
Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 0.0 54.2 81.2#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.695 min Scan# 2410

Delta R.T. -0.001 min

Lab File: BG057612.D

Acq: 30 May 2023 18:52

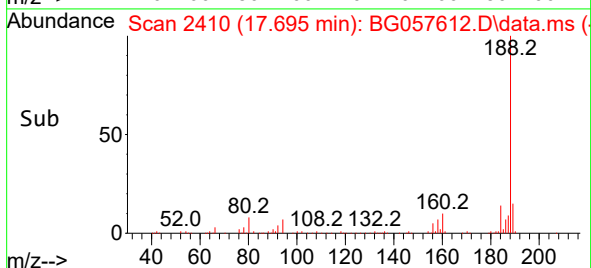
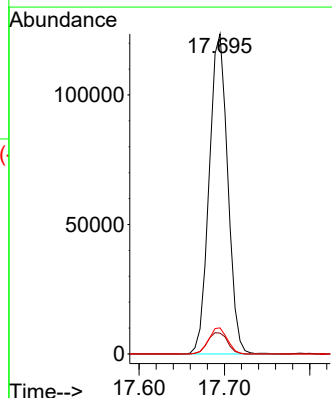
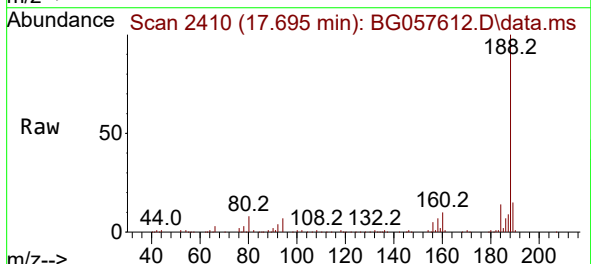
Tgt Ion:188 Resp: 186465

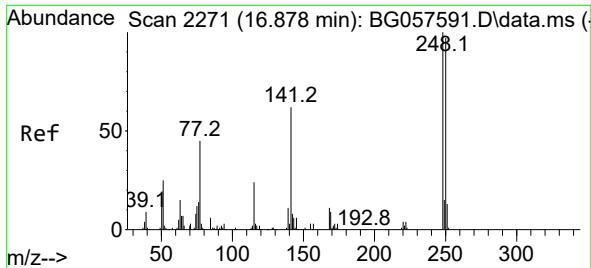
Ion Ratio Lower Upper

188 100

94 6.5 5.2 7.8

80 8.1 6.7 10.1

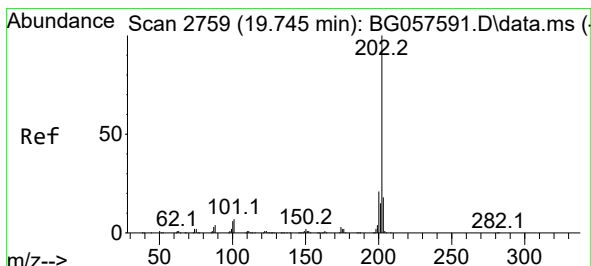
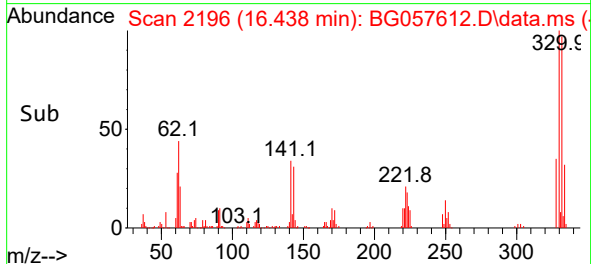
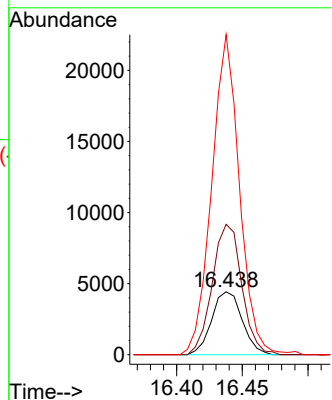
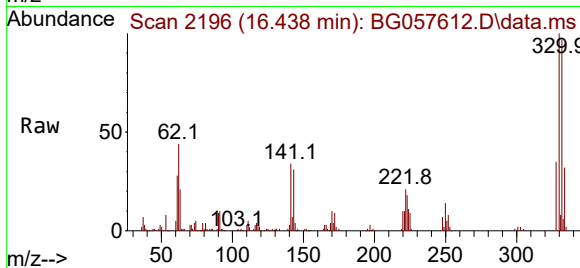




#67
4-Bromophenyl-phenylether
Concen: 3.420 ng
RT: 16.438 min Scan# 2196
Delta R.T. -0.436 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

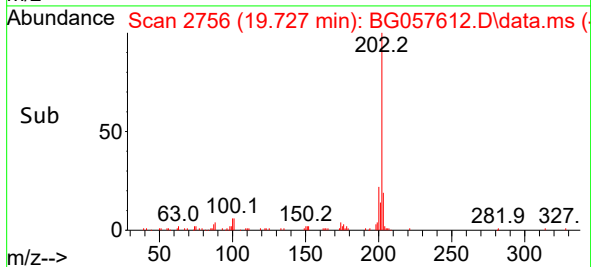
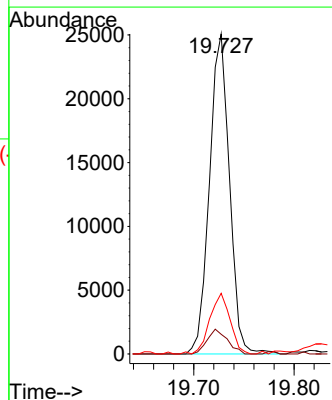
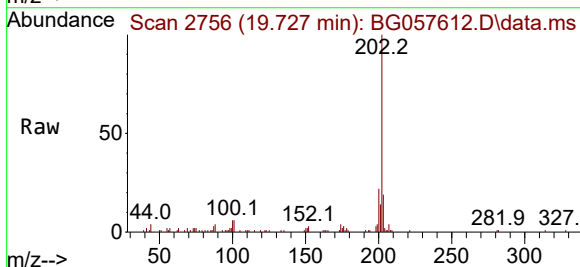
Instrument :
BNA_G
ClientSampleId :
WC21

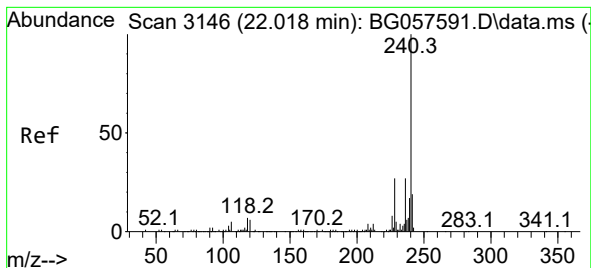
Tgt Ion:248 Resp: 7154
Ion Ratio Lower Upper
248 100
250 207.3 77.4 116.2#
141 508.6 49.4 74.0#



#75
Fluoranthene
Concen: 2.808 ng
RT: 19.727 min Scan# 2756
Delta R.T. -0.001 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Tgt Ion:202 Resp: 34788
Ion Ratio Lower Upper
202 100
101 6.1 0.0 27.5
203 18.9 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.995 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG057612.D

Acq: 30 May 2023 18:52

Instrument :

BNA_G

ClientSampleId :

WC21

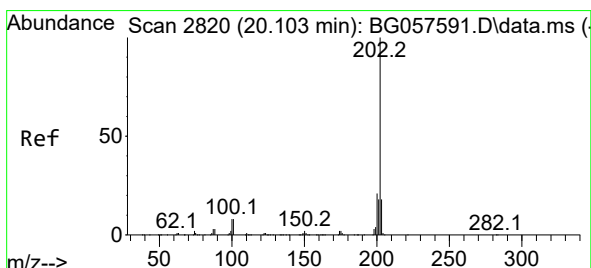
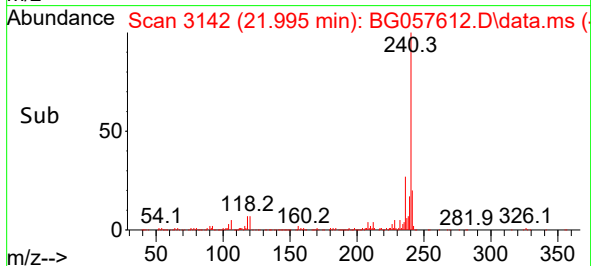
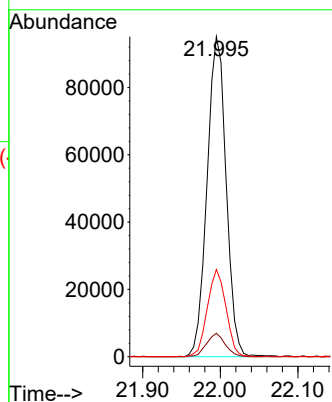
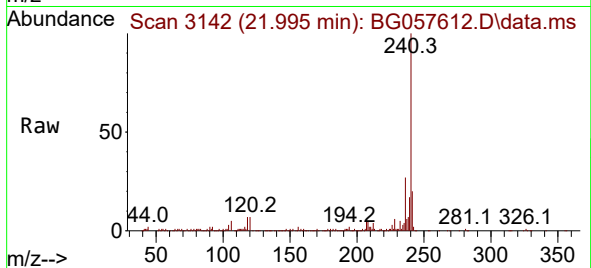
Tgt Ion:240 Resp: 162464

Ion Ratio Lower Upper

240 100

120 7.3 5.2 7.8

236 27.3 21.4 32.0



#78

Pyrene

Concen: 3.490 ng

RT: 20.086 min Scan# 2817

Delta R.T. -0.007 min

Lab File: BG057612.D

Acq: 30 May 2023 18:52

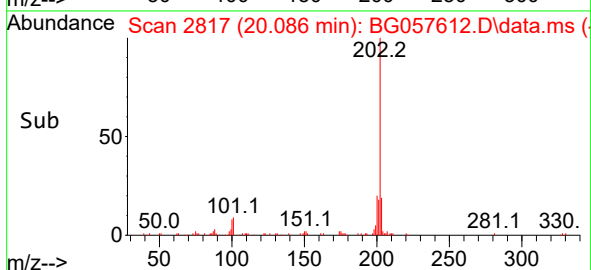
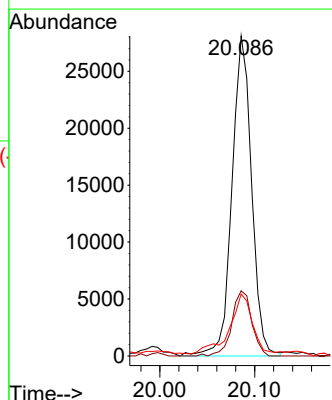
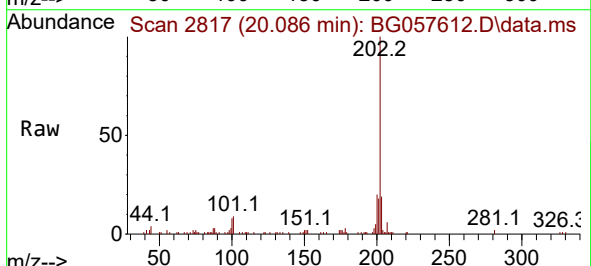
Tgt Ion:202 Resp: 40369

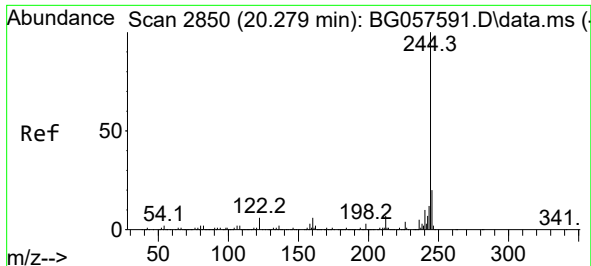
Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

203 19.4 14.5 21.7

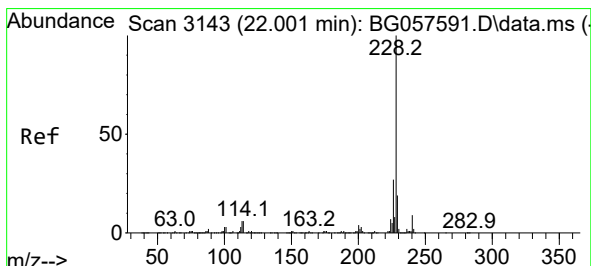
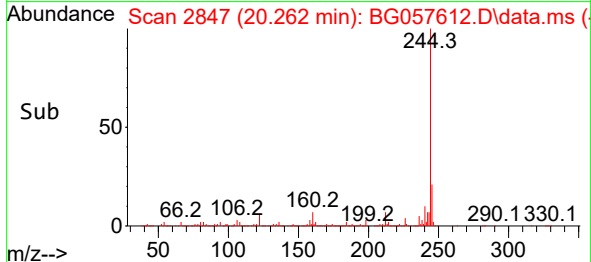
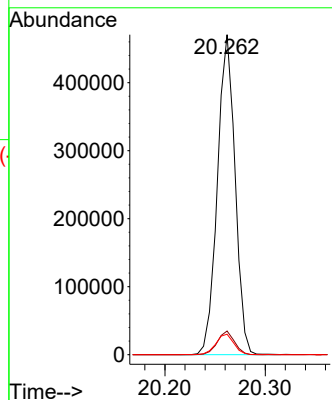
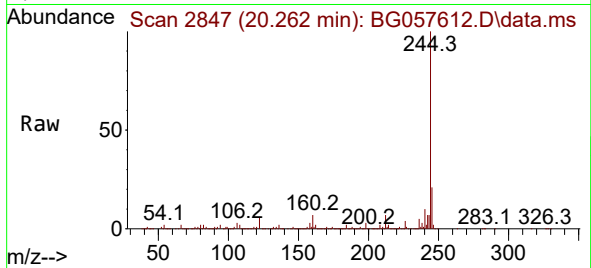




#79
 Terphenyl-d14
 Concen: 61.240 ng
 RT: 20.262 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG057612.D
 Acq: 30 May 2023 18:52

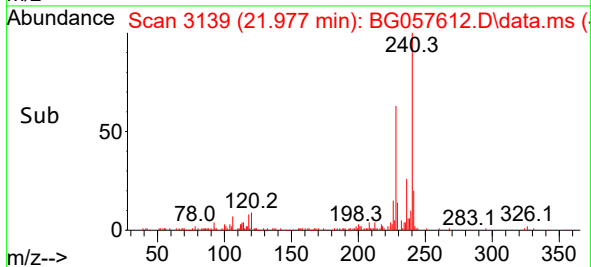
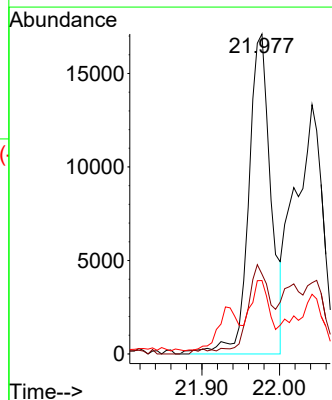
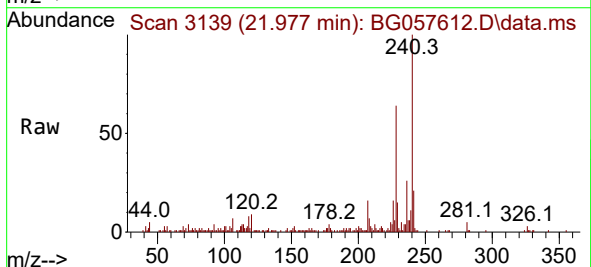
Instrument :
 BNA_G
 ClientSampleId :
 WC21

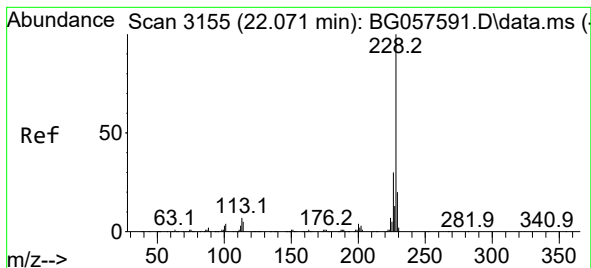
Tgt Ion:244 Resp: 574369
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.6 8.4
 122 6.4 4.8 7.2



#81
 Benzo(a)anthracene
 Concen: 3.010 ng
 RT: 21.977 min Scan# 3139
 Delta R.T. -0.001 min
 Lab File: BG057612.D
 Acq: 30 May 2023 18:52

Tgt Ion:228 Resp: 33922
 Ion Ratio Lower Upper
 228 100
 226 25.0 21.4 32.0
 229 23.0 15.4 23.2





#83

Chrysene

Concen: 3.105 ng

RT: 22.042 min Scan# 3115

Delta R.T. -0.013 min

Lab File: BG057612.D

Acq: 30 May 2023 18:52

Instrument :

BNA_G

ClientSampleId :

WC21

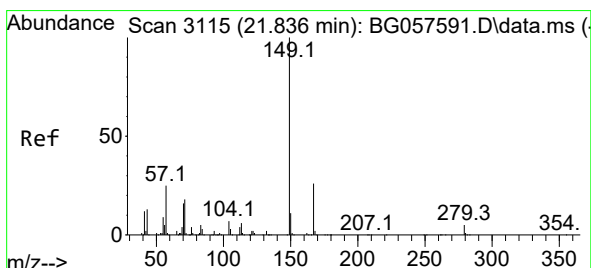
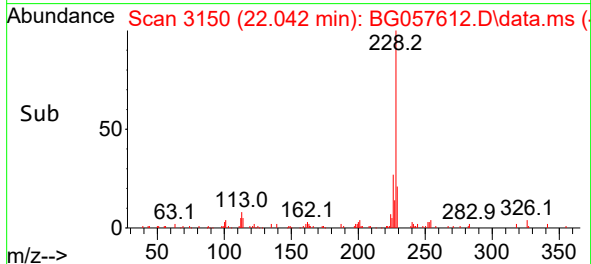
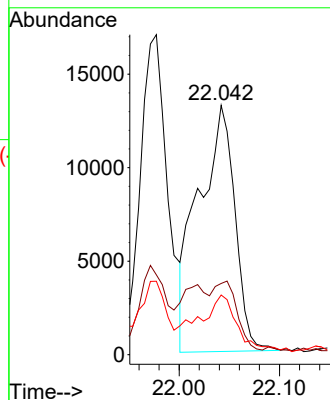
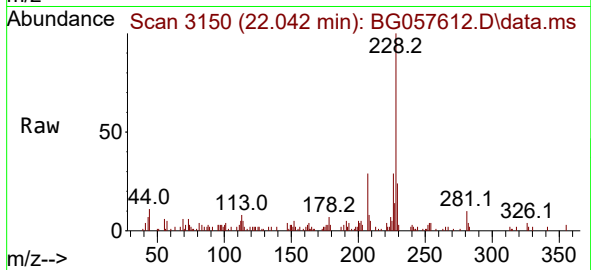
Tgt Ion:228 Resp: 33071

Ion Ratio Lower Upper

228 100

226 28.5 24.3 36.5

229 23.9 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.025 ng

RT: 21.813 min Scan# 3111

Delta R.T. -0.007 min

Lab File: BG057612.D

Acq: 30 May 2023 18:52

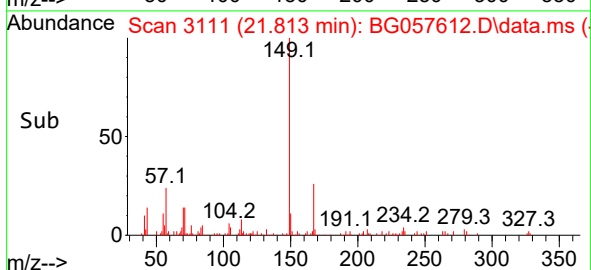
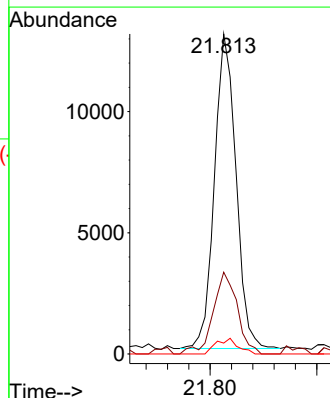
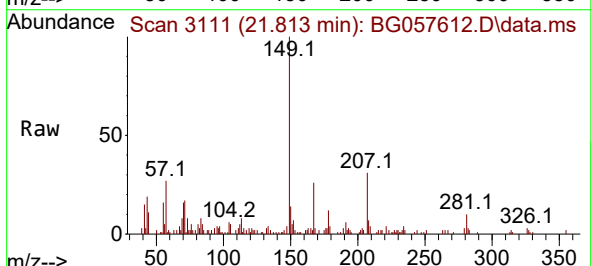
Tgt Ion:149 Resp: 18176

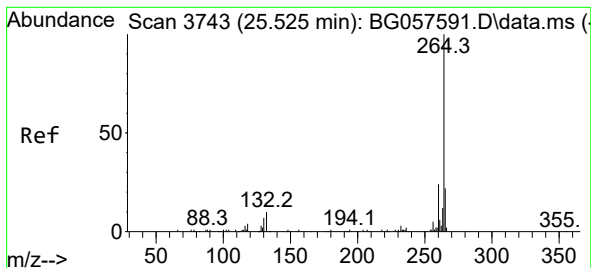
Ion Ratio Lower Upper

149 100

167 25.6 20.6 31.0

279 3.4 3.6 5.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.478 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG057612.D

Acq: 30 May 2023 18:52

Instrument :

BNA_G

ClientSampleId :

WC21

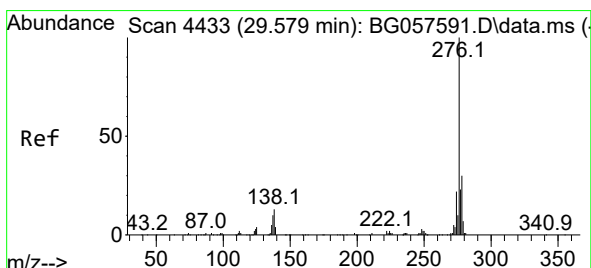
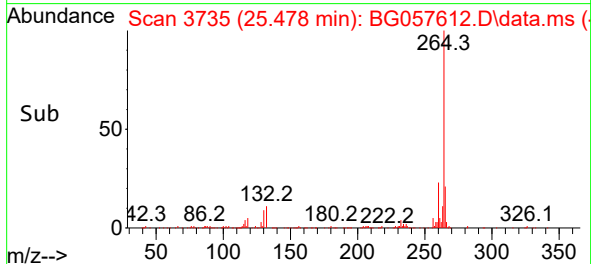
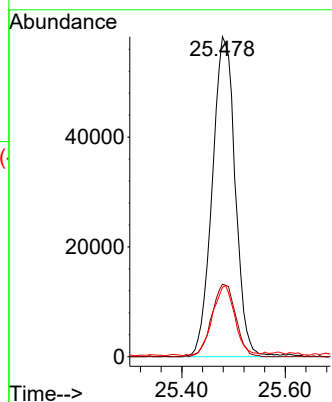
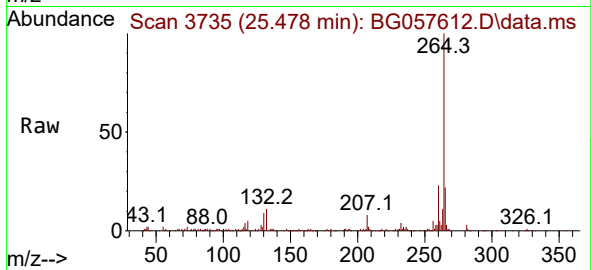
Tgt Ion:264 Resp: 179366

Ion Ratio Lower Upper

264 100

260 22.7 19.1 28.7

265 21.6 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.921 ng

RT: 29.508 min Scan# 4421

Delta R.T. -0.013 min

Lab File: BG057612.D

Acq: 30 May 2023 18:52

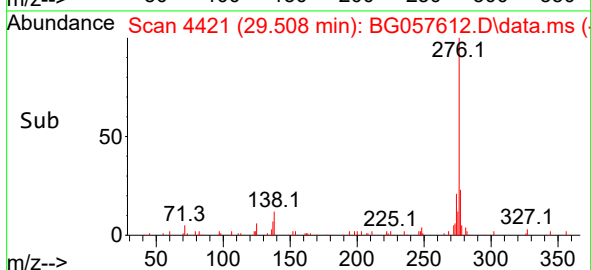
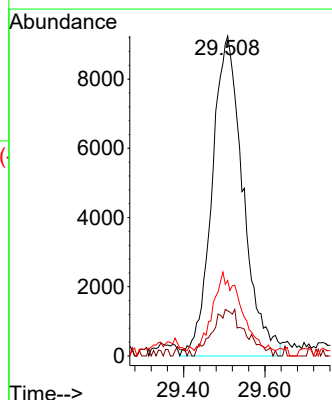
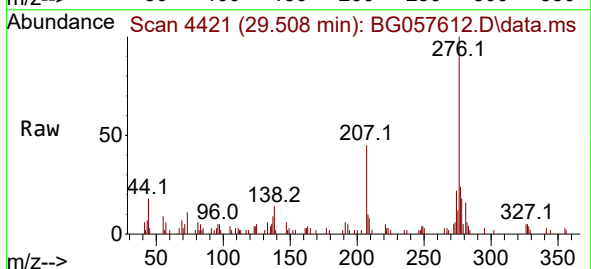
Tgt Ion:276 Resp: 49032

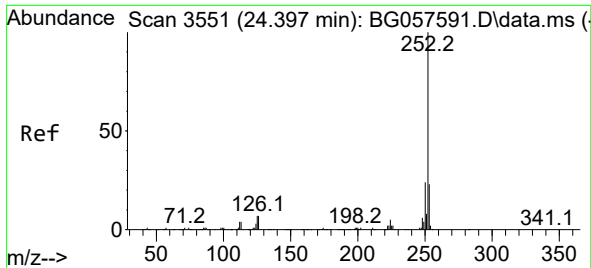
Ion Ratio Lower Upper

276 100

138 0.0 12.3 18.5#

277 25.0 20.5 30.7

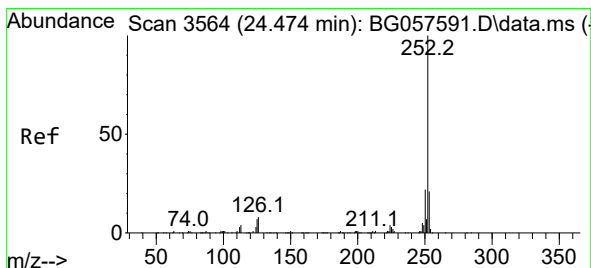
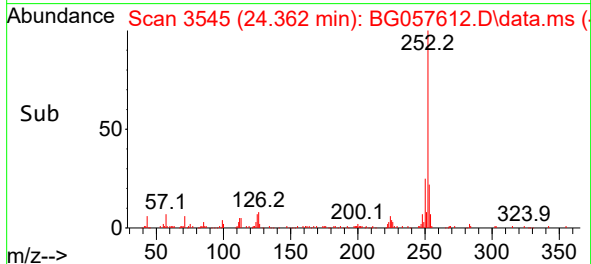
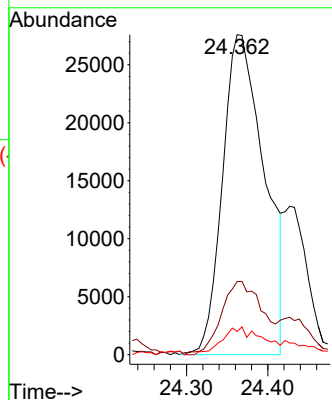
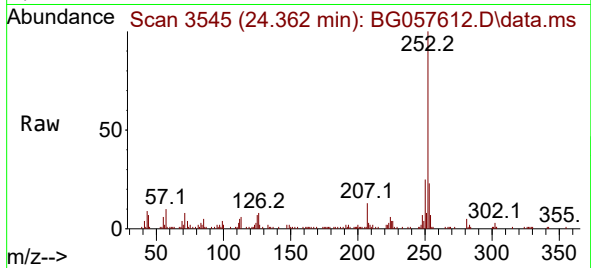




#88
Benzo(b)fluoranthene
Concen: 8.939 ng
RT: 24.362 min Scan# 3545
Delta R.T. -0.013 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

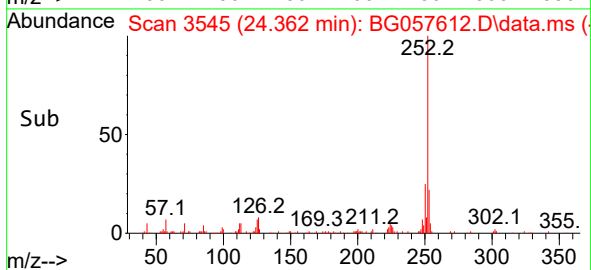
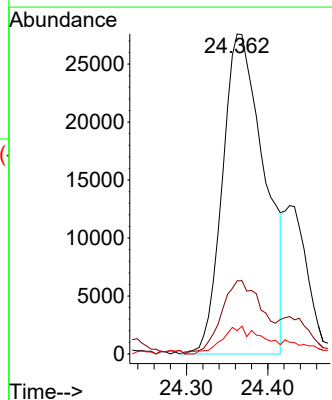
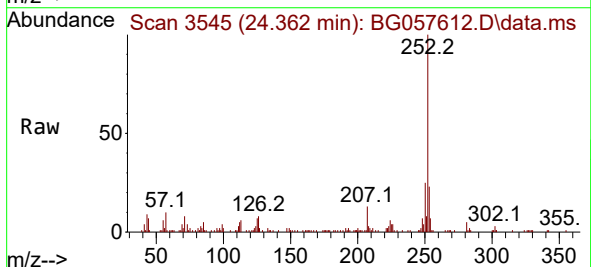
Instrument :
BNA_G
ClientSampleId :
WC21

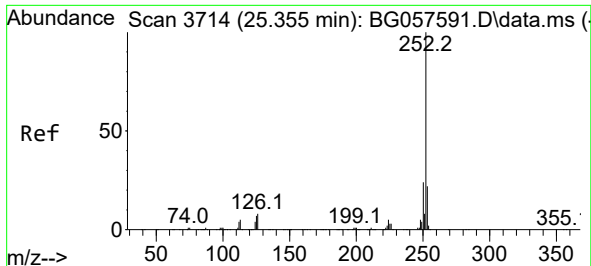
Tgt Ion:252 Resp: 98695
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 7.2 5.2 7.8



#89
Benzo(k)fluoranthene
Concen: 8.858 ng
RT: 24.362 min Scan# 3545
Delta R.T. -0.083 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Tgt Ion:252 Resp: 98695
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 7.2 5.1 7.7

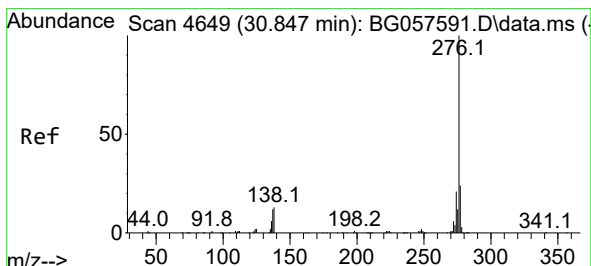
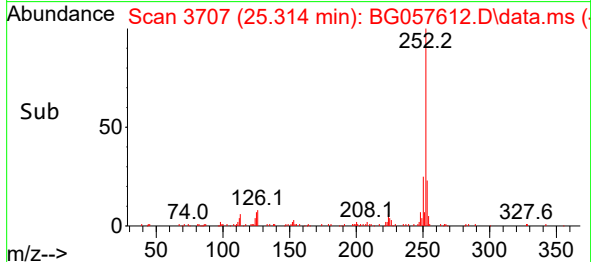
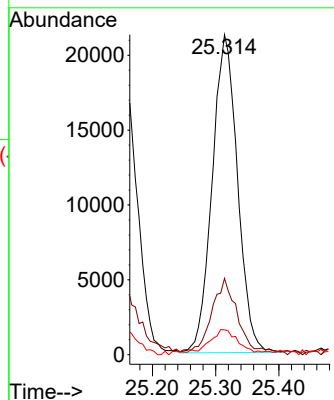
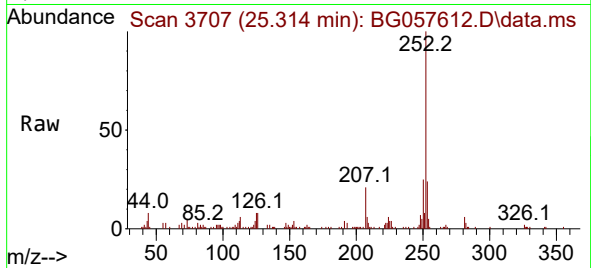




#90
Benzo(a)pyrene
Concen: 5.502 ng
RT: 25.314 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Instrument :
BNA_G
ClientSampleId :
WC21

Tgt Ion:252 Resp: 59244
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 7.7 5.3 7.9



#92
Benzo(g,h,i)perylene
Concen: 4.670 ng
RT: 30.783 min Scan# 4638
Delta R.T. -0.019 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Tgt Ion:276 Resp: 47398
Ion Ratio Lower Upper
276 100
277 28.7 18.9 28.3#
138 13.0 10.2 15.4

