

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
 Data File : BG055188.D
 Acq On : 14 Oct 2022 21:51
 Operator : CG/JU
 Sample : N5142-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-8

Quant Time: Oct 17 04:31:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 13 05:14:13 2022
 Response via : Initial Calibration

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

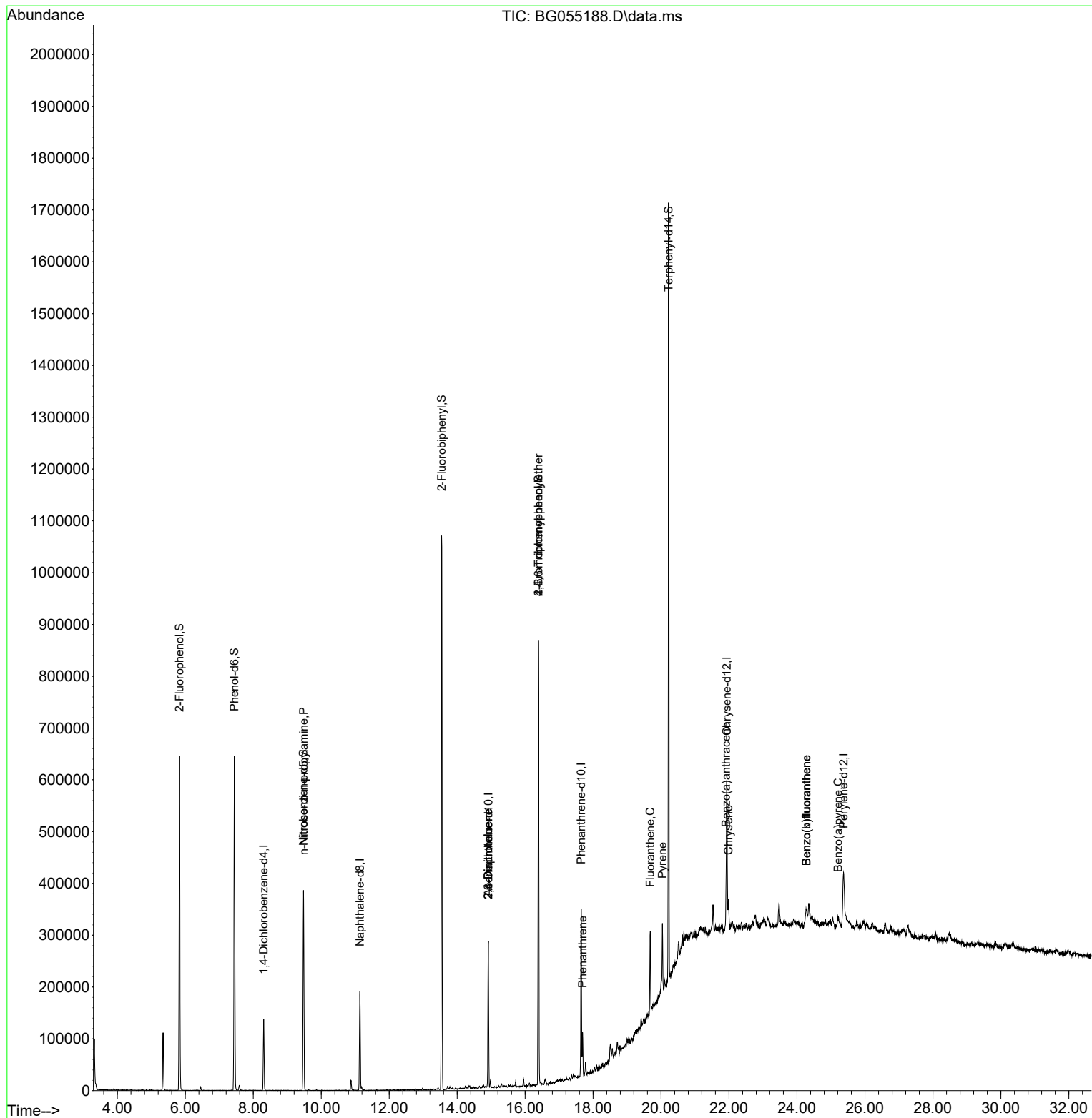
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.308	152	40723	20.000	ng	0.00
21) Naphthalene-d8	11.140	136	166722	20.000	ng	0.00
39) Acenaphthene-d10	14.918	164	103813	20.000	ng	0.00
64) Phenanthrene-d10	17.650	188	210815	20.000	ng	0.00
76) Chrysene-d12	21.933	240	191616	20.000	ng	0.00
86) Perylene-d12	25.370	264	136409	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.828	112	284353	136.613	ng	0.00
7) Phenol-d6	7.444	99	374563	121.650	ng	0.00
23) Nitrobenzene-d5	9.477	82	238026	76.559	ng	0.00
42) 2,4,6-Tribromophenol	16.392	330	183537	123.041	ng	0.00
45) 2-Fluorobiphenyl	13.543	172	557668	87.752	ng	0.00
79) Terphenyl-d14	20.223	244	757807	79.651	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.483	70	33604	13.523	ng	# 75
51) 2,6-Dinitrotoluene	14.912	165	13677	7.964	ng	# 21
57) 2,4-Dinitrotoluene	14.912	165	13677	5.438	ng	# 23
67) 4-Bromophenyl-phenylether	16.392	248	11227	4.885	ng	# 1
71) Phenanthrene	17.691	178	51678	4.726	ng	99
75) Fluoranthene	19.683	202	102399	7.491	ng	96
78) Pyrene	20.041	202	91280	7.146	ng	99
81) Benzo(a)anthracene	21.915	228	45812	3.737	ng	# 91
83) Chrysene	21.986	228	43296	3.744	ng	# 95
88) Benzo(b)fluoranthene	24.277	252	43835	5.392	ng	# 74
89) Benzo(k)fluoranthene	24.277	252	43835	5.366	ng	# 73
90) Benzo(a)pyrene	25.205	252	28569	4.109	ng	# 74

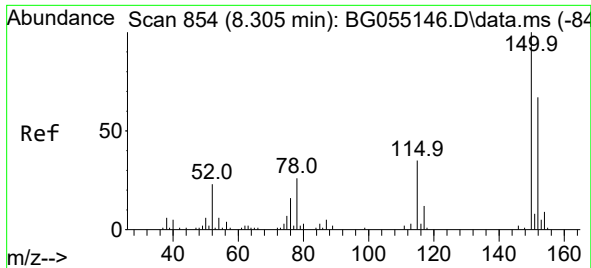
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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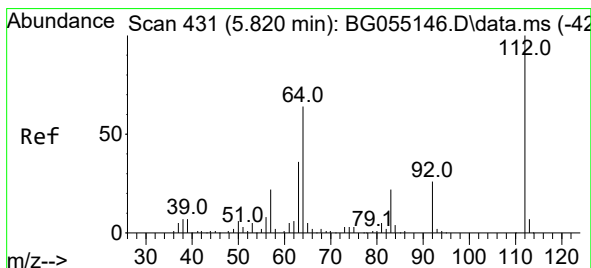
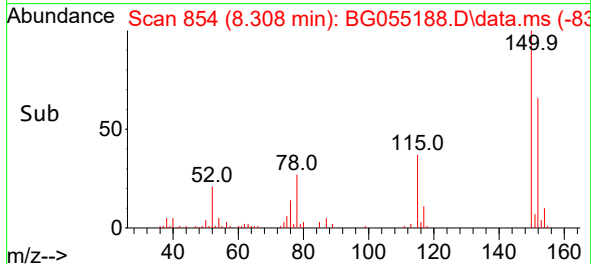
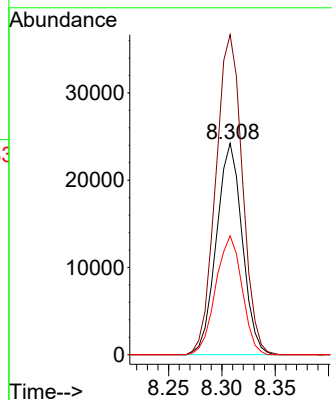
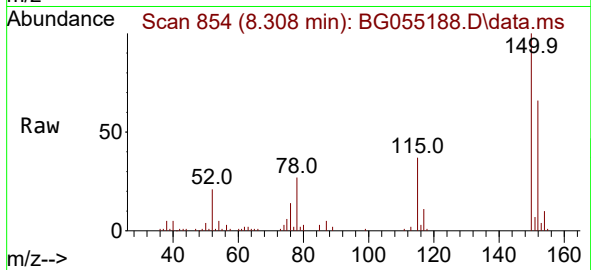




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.308 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

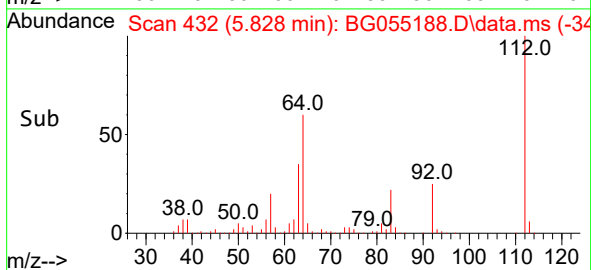
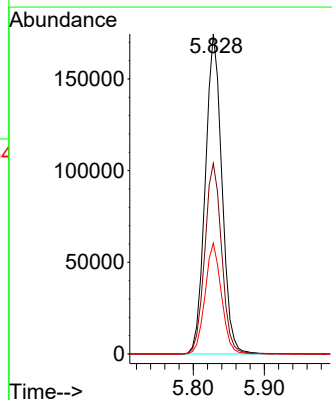
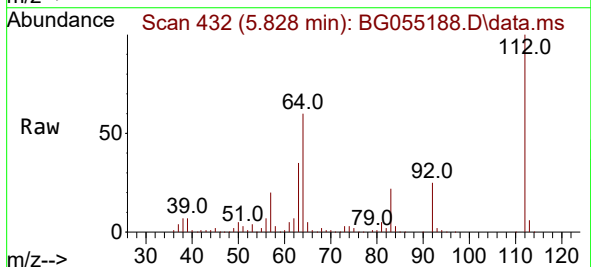
Instrument :
BNA_G
ClientSampleId :
WC-8

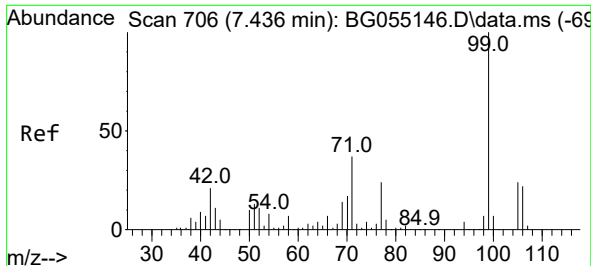
Tgt Ion:152 Resp: 40723
Ion Ratio Lower Upper
152 100
150 151.4 119.7 179.5
115 56.3 42.4 63.6



#5
2-Fluorophenol
Concen: 136.613 ng
RT: 5.828 min Scan# 432
Delta R.T. 0.008 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Tgt Ion:112 Resp: 284353
Ion Ratio Lower Upper
112 100
64 59.5 50.9 76.3
63 34.7 29.0 43.6

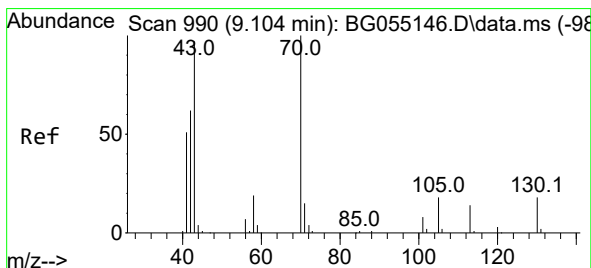
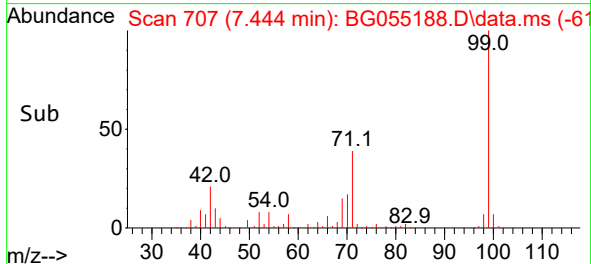
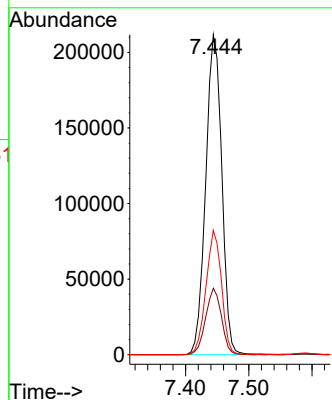
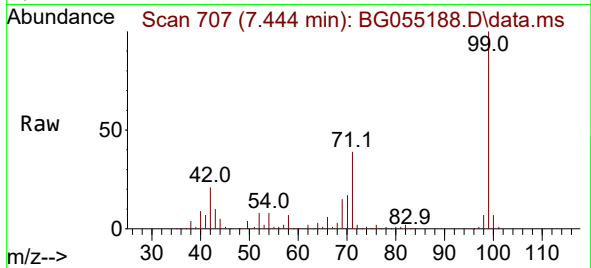




#7
Phenol-d6
Concen: 121.650 ng
RT: 7.444 min Scan# 706
Delta R.T. 0.008 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

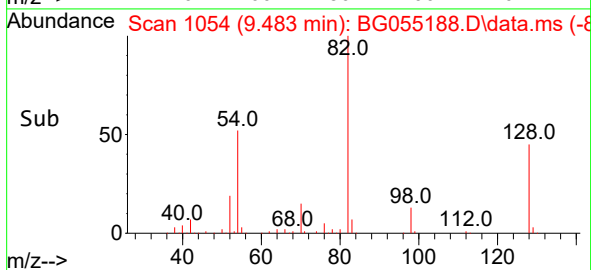
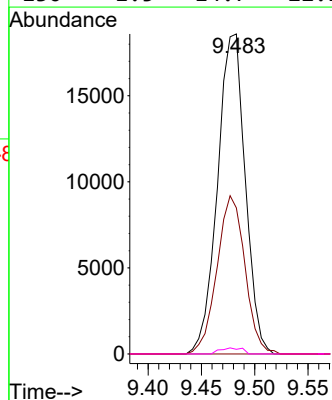
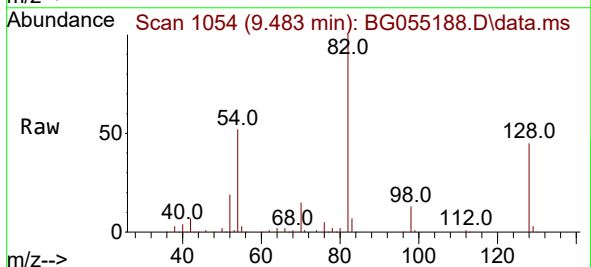
Instrument :
BNA_G
ClientSampleId :
WC-8

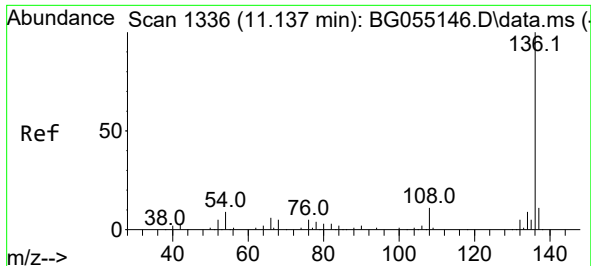
Tgt Ion: 99 Resp: 374563
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 38.9 29.6 44.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.523 ng
RT: 9.483 min Scan# 1054
Delta R.T. 0.378 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Tgt Ion: 70 Resp: 33604
Ion Ratio Lower Upper
70 100
42 45.6 50.1 75.1#
101 0.0 6.6 10.0#
130 1.5 14.7 22.1#

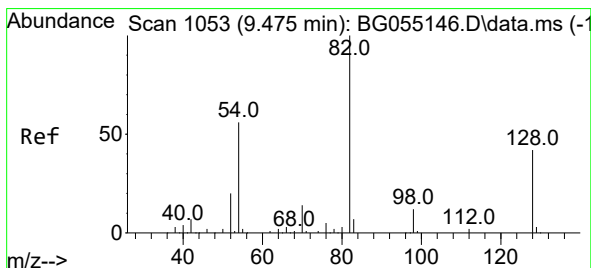
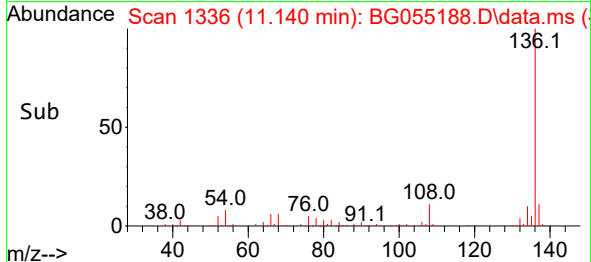
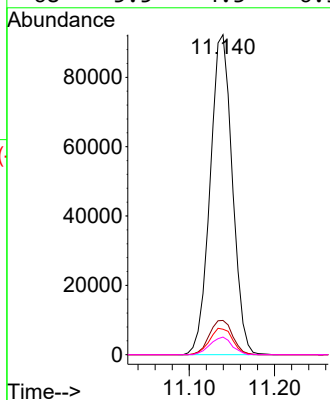
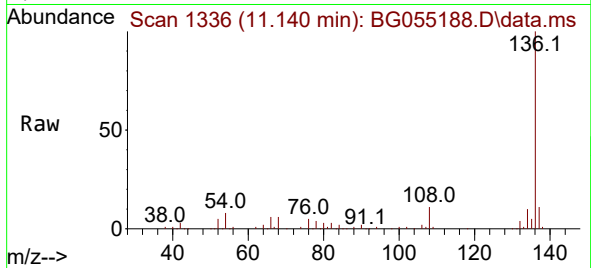




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.140 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

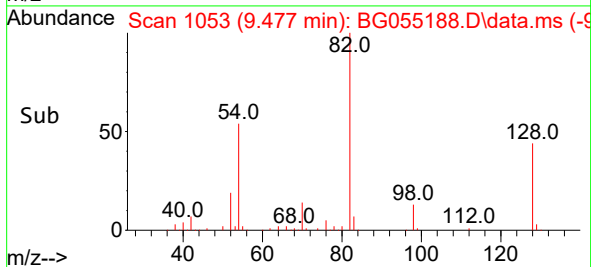
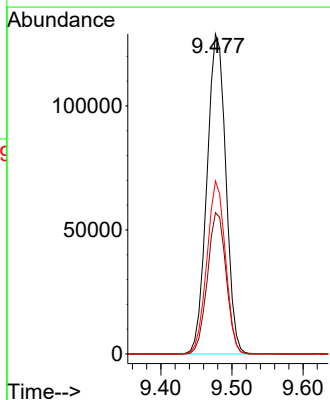
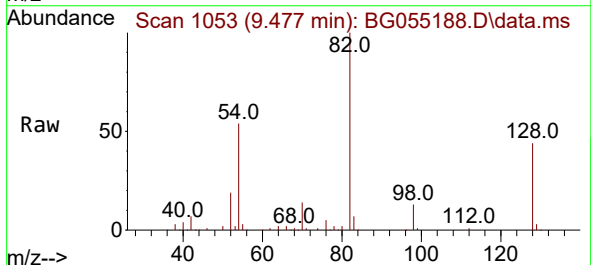
Instrument :
BNA_G
ClientSampleId :
WC-8

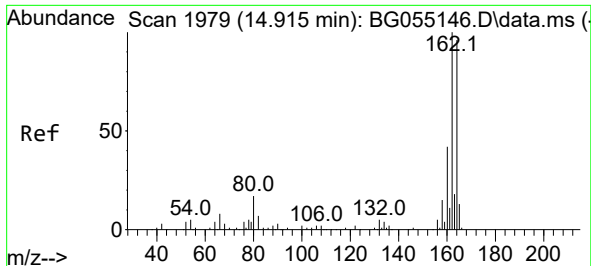
Tgt Ion:	136	Resp:	166722
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	7.9	7.0	10.6
68	5.5	4.3	6.5



#23
Nitrobenzene-d5
Concen: 76.559 ng
RT: 9.477 min Scan# 1053
Delta R.T. 0.002 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Tgt Ion:	82	Resp:	238026
Ion	Ratio	Lower	Upper
82	100		
128	44.2	33.5	50.3
54	54.0	44.7	67.1

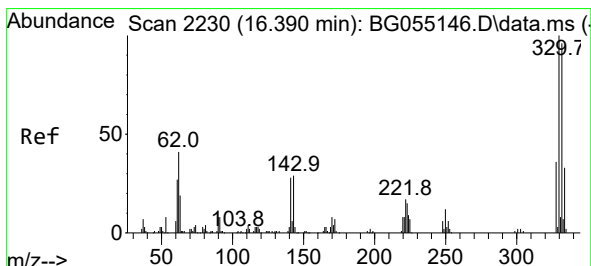
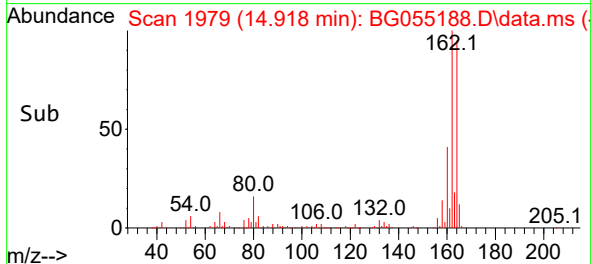
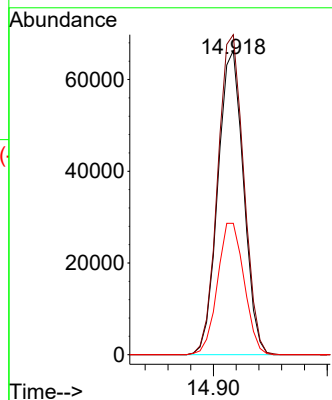
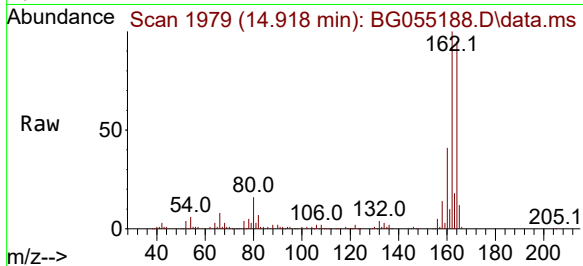




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.918 min Scan# 1979
Delta R.T. 0.002 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

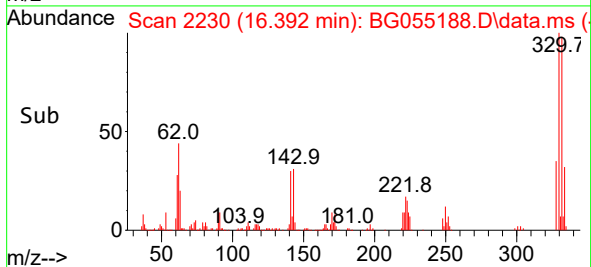
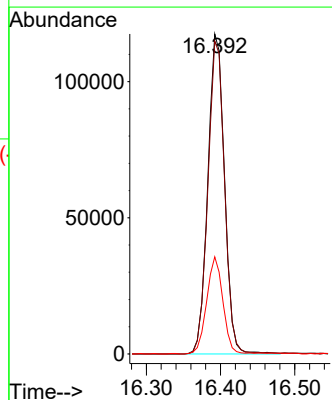
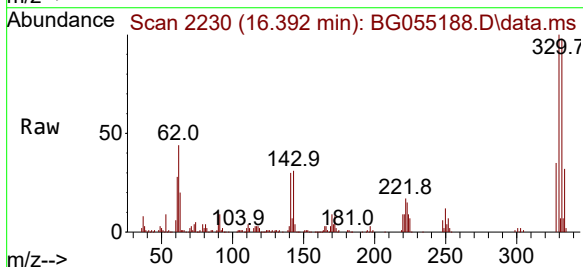
Instrument :
BNA_G
ClientSampleId :
WC-8

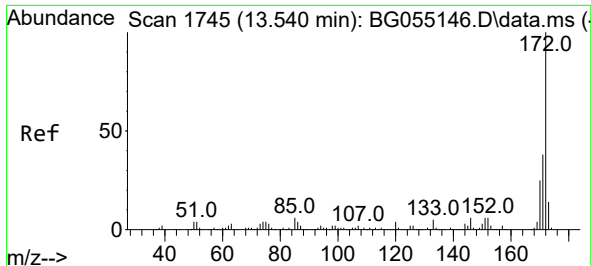
Tgt Ion:164 Resp: 103813
Ion Ratio Lower Upper
164 100
162 105.2 83.3 124.9
160 43.2 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 123.041 ng
RT: 16.392 min Scan# 2230
Delta R.T. 0.002 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Tgt Ion:330 Resp: 183537
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.4
141 29.6 24.6 36.8

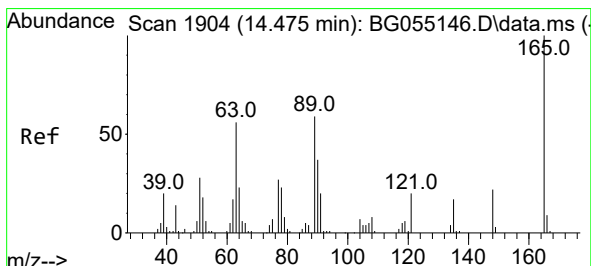
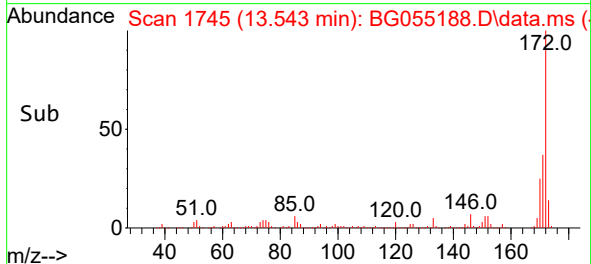
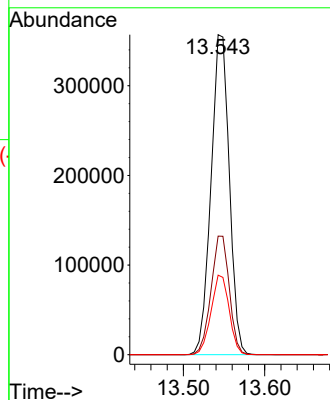
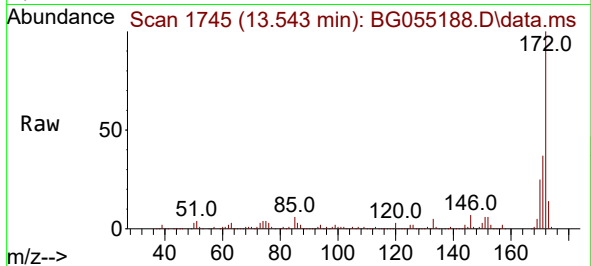




#45
 2-Fluorobiphenyl
 Concen: 87.752 ng
 RT: 13.543 min Scan# 1
 Delta R.T. 0.002 min
 Lab File: BG055188.D
 Acq: 14 Oct 2022 21:51

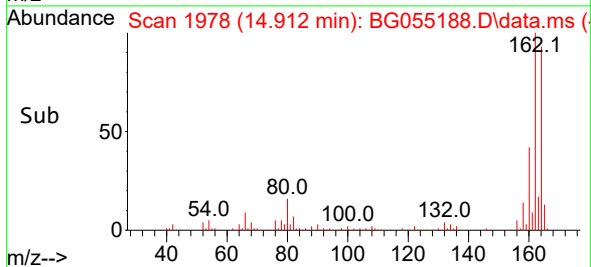
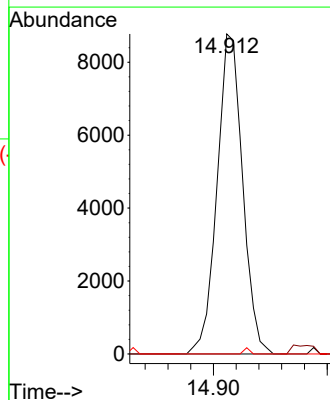
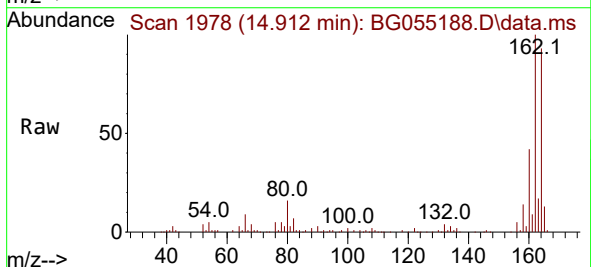
Instrument :
 BNA_G
 ClientSampleId :
 WC-8

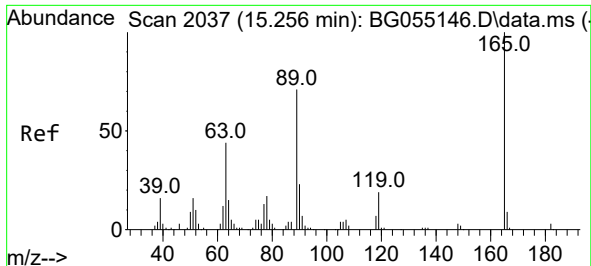
Tgt Ion:172 Resp: 557668
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.1 45.1
 170 24.8 19.8 29.6



#51
 2,6-Dinitrotoluene
 Concen: 7.964 ng
 RT: 14.912 min Scan# 1978
 Delta R.T. 0.437 min
 Lab File: BG055188.D
 Acq: 14 Oct 2022 21:51

Tgt Ion:165 Resp: 13677
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.6 70.0#
 89 0.0 47.6 71.4#





#57

2,4-Dinitrotoluene

Concen: 5.438 ng

RT: 14.912 min Scan# 14

Delta R.T. -0.344 min

Lab File: BG055188.D

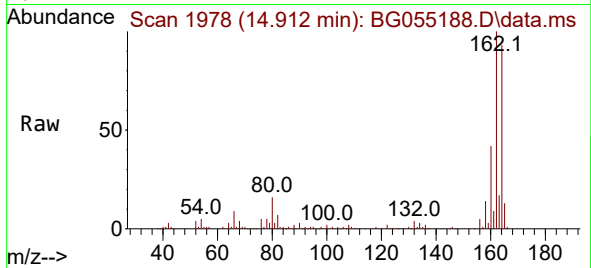
Acq: 14 Oct 2022 21:51

Instrument :

BNA_G

ClientSampleId :

WC-8



Tgt Ion:165 Resp: 13677

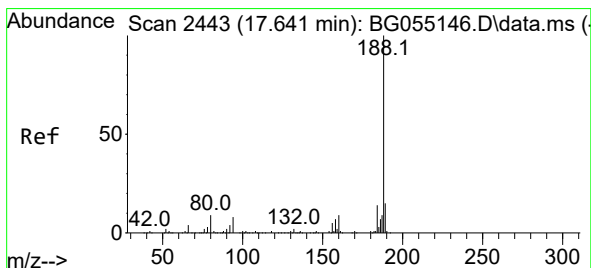
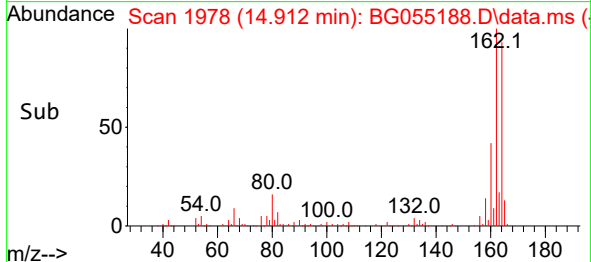
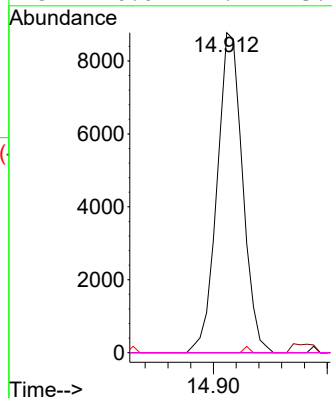
Ion Ratio Lower Upper

165 100

63 0.0 35.6 53.4#

89 0.0 56.4 84.6#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.650 min Scan# 2444

Delta R.T. 0.008 min

Lab File: BG055188.D

Acq: 14 Oct 2022 21:51

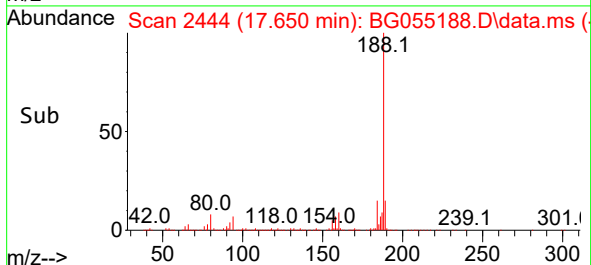
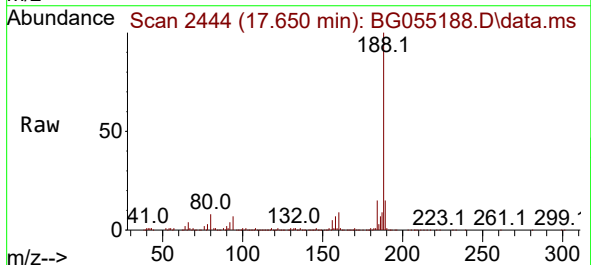
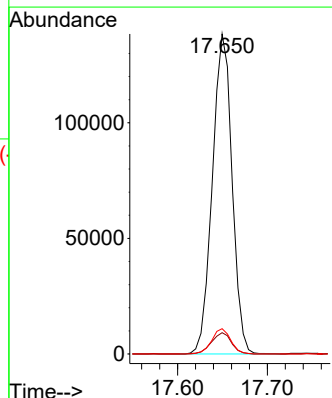
Tgt Ion:188 Resp: 210815

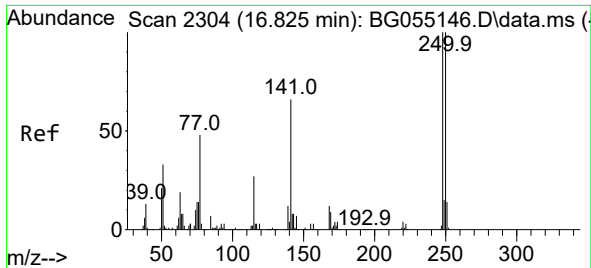
Ion Ratio Lower Upper

188 100

94 6.6 6.2 9.2

80 7.9 7.0 10.6

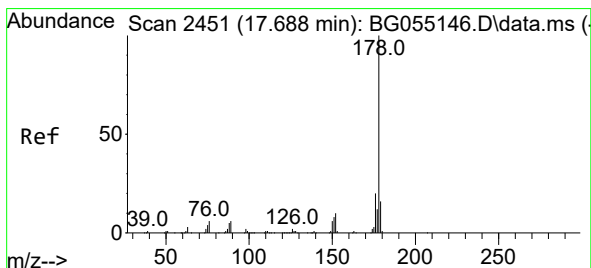
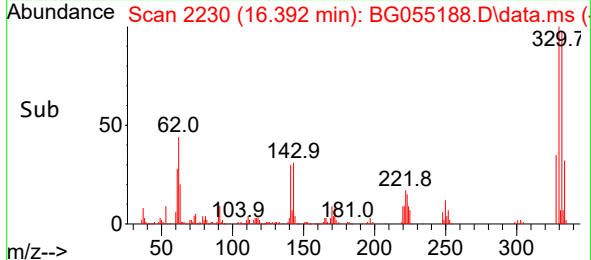
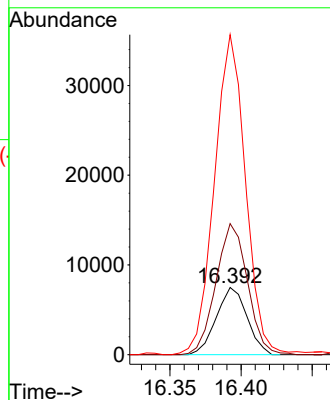
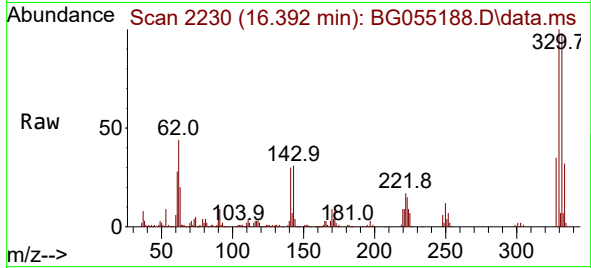




#67
4-Bromophenyl-phenylether
Concen: 4.885 ng
RT: 16.392 min Scan# 211
Delta R.T. -0.432 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

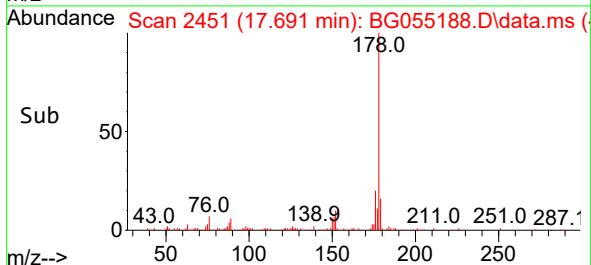
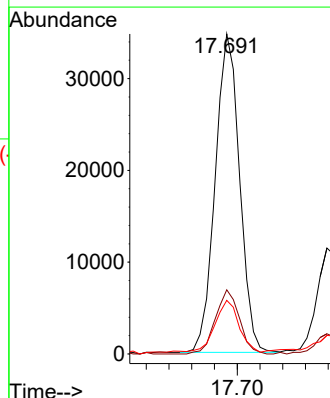
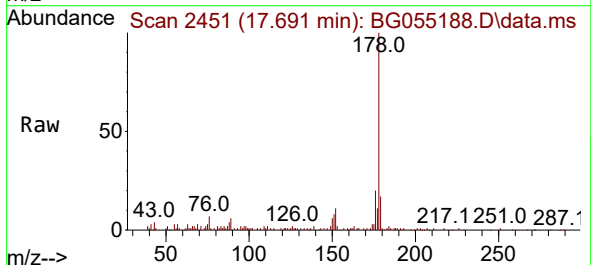
Instrument :
BNA_G
ClientSampleId :
WC-8

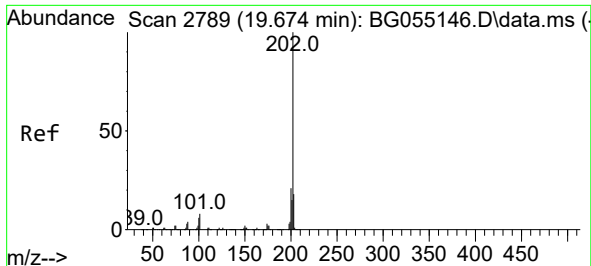
Tgt Ion:248 Resp: 11227
Ion Ratio Lower Upper
248 100
250 195.2 80.1 120.1#
141 476.5 53.1 79.7#



#71
Phenanthrene
Concen: 4.726 ng
RT: 17.691 min Scan# 2451
Delta R.T. 0.002 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Tgt Ion:178 Resp: 51678
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.8 12.7 19.1

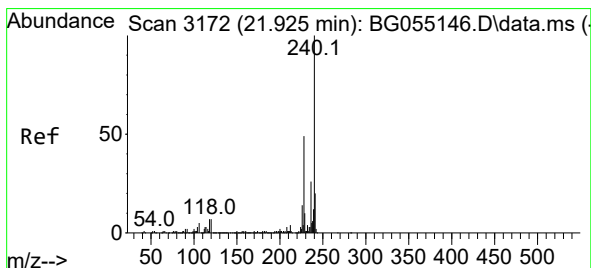
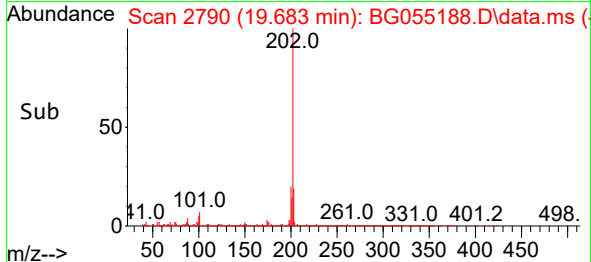
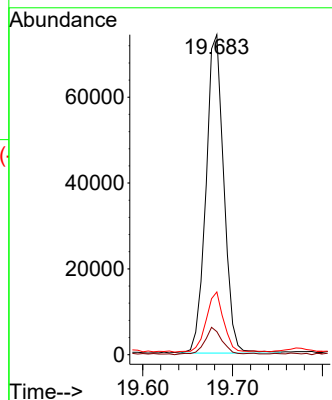
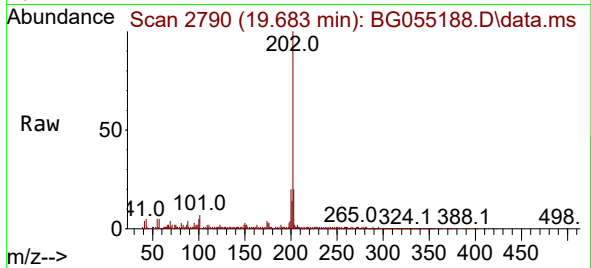




#75
Fluoranthene
Concen: 7.491 ng
RT: 19.683 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

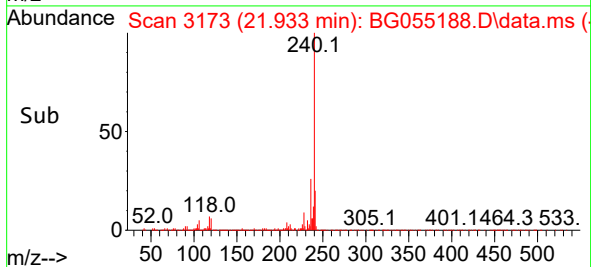
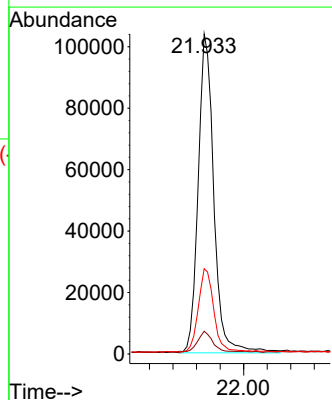
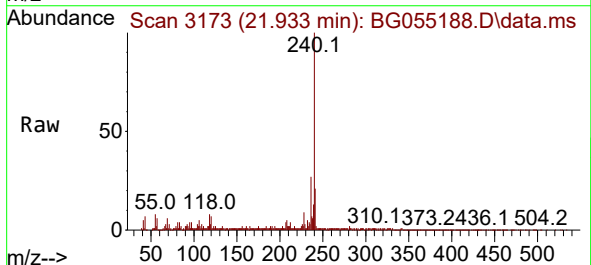
Instrument :
BNA_G
ClientSampleId :
WC-8

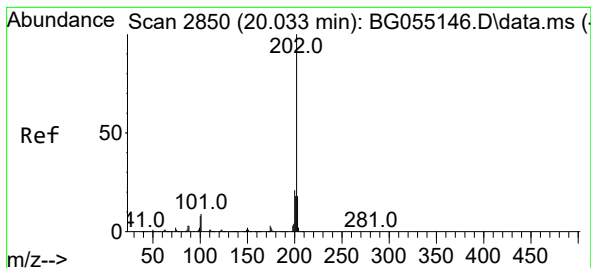
Tgt Ion:202 Resp: 102399
Ion Ratio Lower Upper
202 100
101 7.2 0.0 28.4
203 19.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.933 min Scan# 3173
Delta R.T. 0.008 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Tgt Ion:240 Resp: 191616
Ion Ratio Lower Upper
240 100
120 7.1 5.4 8.0
236 26.7 20.6 31.0





#78

Pyrene

Concen: 7.146 ng

RT: 20.041 min Scan# 2851

Delta R.T. 0.008 min

Lab File: BG055188.D

Acq: 14 Oct 2022 21:51

Instrument :

BNA_G

ClientSampleId :

WC-8

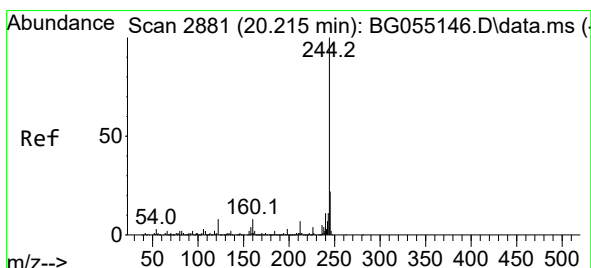
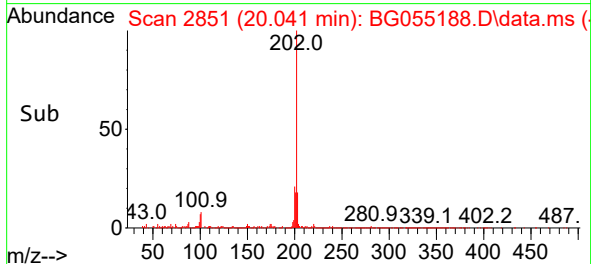
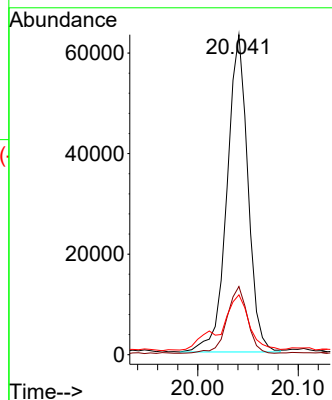
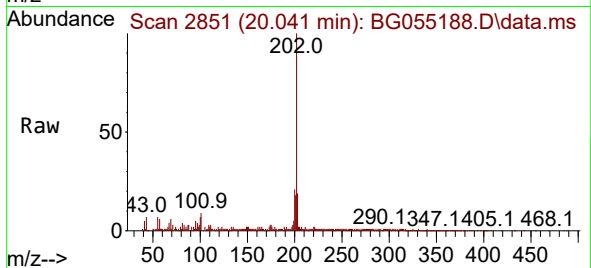
Tgt Ion:202 Resp: 91280

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

203 18.7 14.4 21.6



#79

Terphenyl-d14

Concen: 79.651 ng

RT: 20.223 min Scan# 2882

Delta R.T. 0.008 min

Lab File: BG055188.D

Acq: 14 Oct 2022 21:51

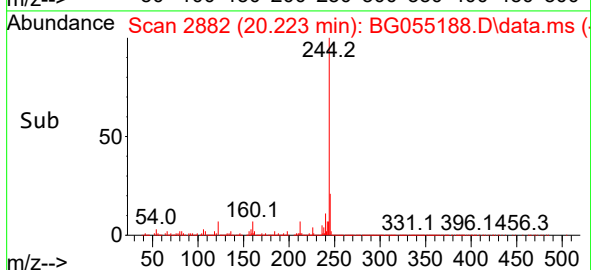
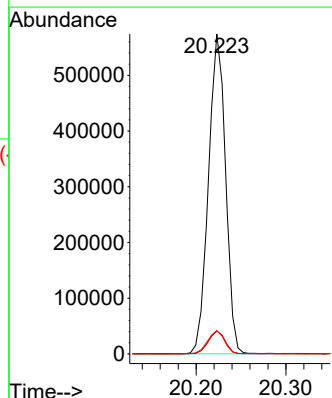
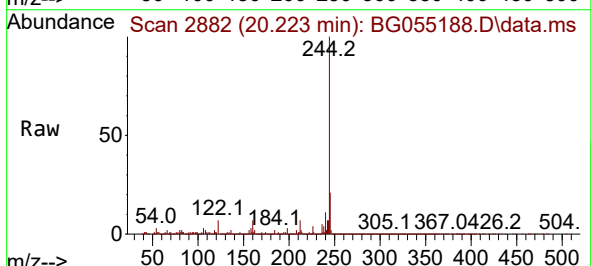
Tgt Ion:244 Resp: 757807

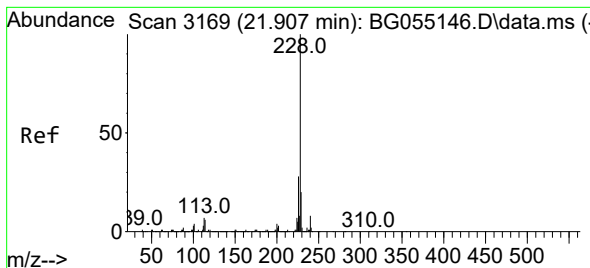
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 7.3 6.6 10.0





#81

Benzo(a)anthracene

Concen: 3.737 ng

RT: 21.915 min Scan# 3170

Delta R.T. 0.008 min

Lab File: BG055188.D

Acq: 14 Oct 2022 21:51

Instrument :

BNA_G

ClientSampleId :

WC-8

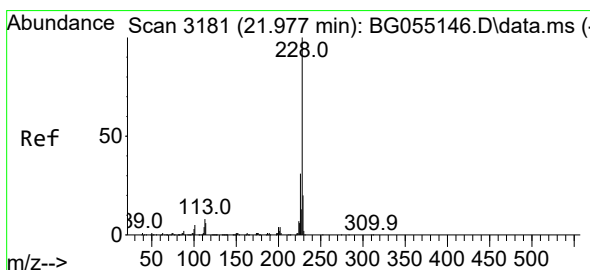
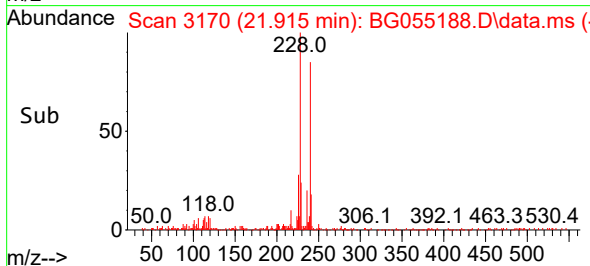
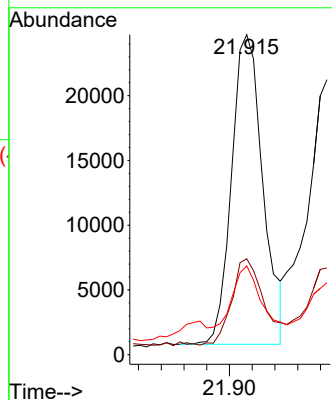
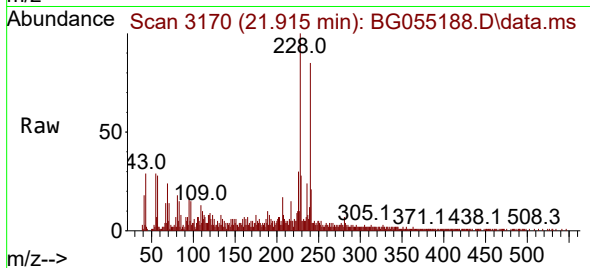
Tgt Ion:228 Resp: 45812

Ion Ratio Lower Upper

228 100

226 30.0 22.6 34.0

229 27.8 16.2 24.4#



#83

Chrysene

Concen: 3.744 ng

RT: 21.986 min Scan# 3182

Delta R.T. 0.008 min

Lab File: BG055188.D

Acq: 14 Oct 2022 21:51

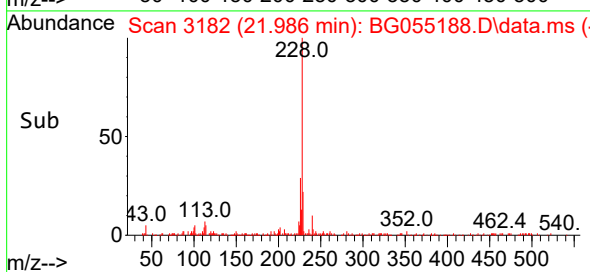
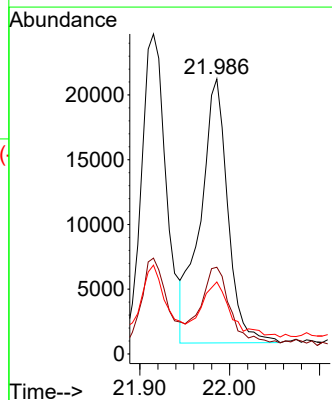
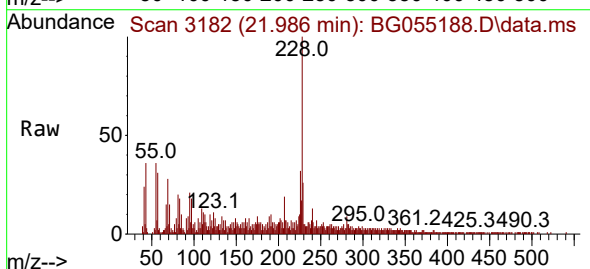
Tgt Ion:228 Resp: 43296

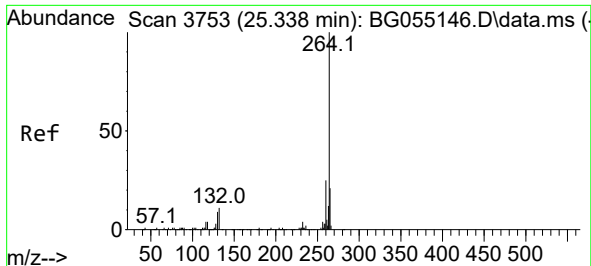
Ion Ratio Lower Upper

228 100

226 31.5 25.1 37.7

229 26.2 16.2 24.2#

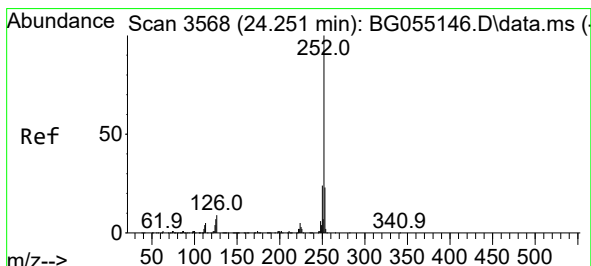
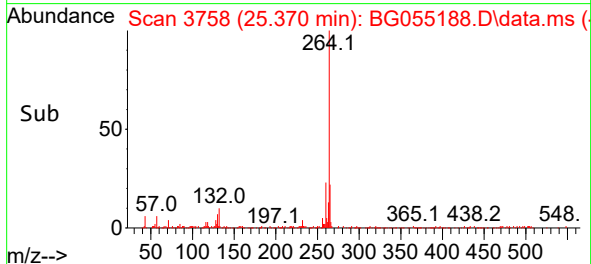
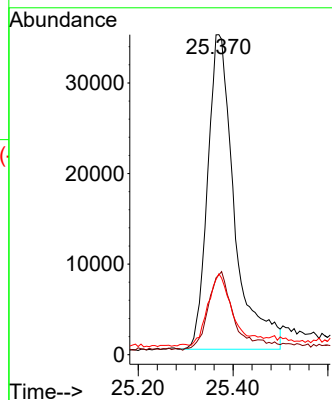
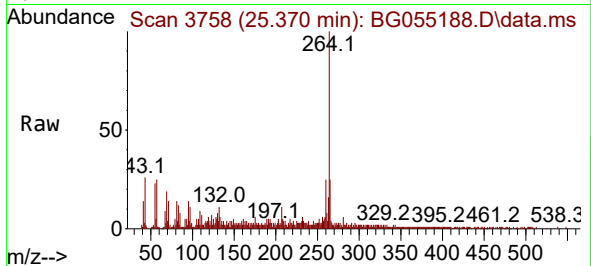




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.370 min Scan# 31
Delta R.T. 0.032 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

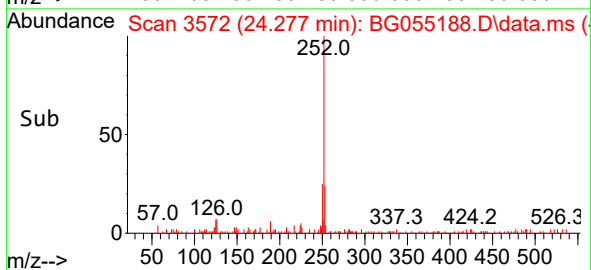
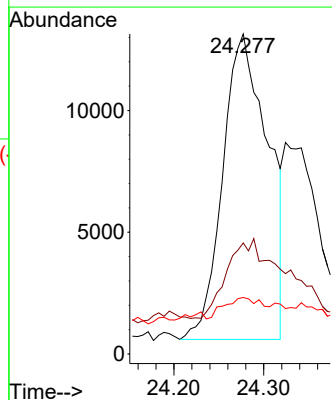
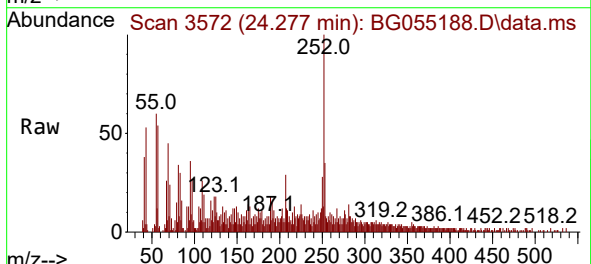
Instrument :
BNA_G
ClientSampleId :
WC-8

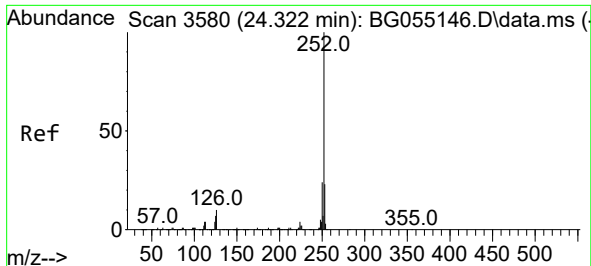
Tgt Ion:264 Resp: 136409
Ion Ratio Lower Upper
264 100
260 25.0 20.1 30.1
265 25.2 16.8 25.2#



#88
Benzo(b)fluoranthene
Concen: 5.392 ng
RT: 24.277 min Scan# 3572
Delta R.T. 0.026 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Tgt Ion:252 Resp: 43835
Ion Ratio Lower Upper
252 100
253 34.7 18.2 27.2#
125 17.7 5.7 8.5#

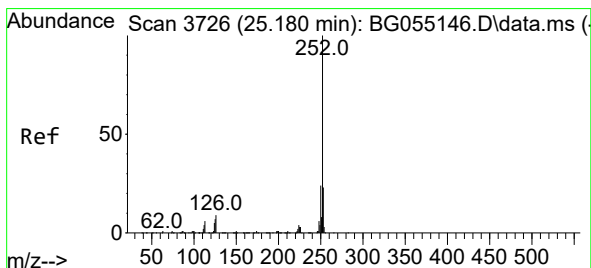
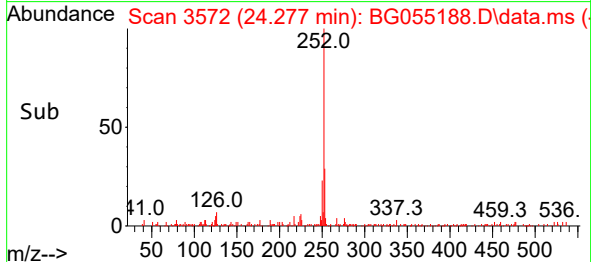
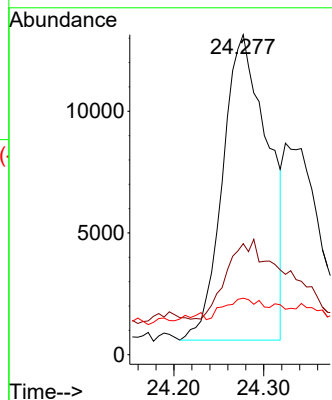
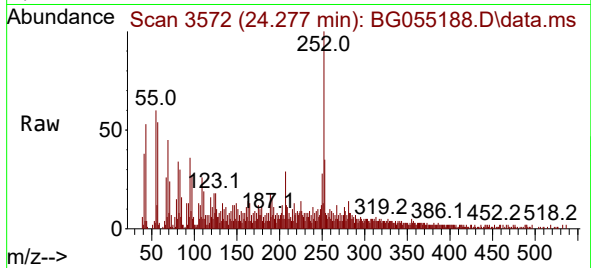




#89
Benzo(k)fluoranthene
Concen: 5.366 ng
RT: 24.277 min Scan# 31
Delta R.T. -0.045 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Instrument :
BNA_G
ClientSampleId :
WC-8

Tgt Ion:252 Resp: 43835
Ion Ratio Lower Upper
252 100
253 34.7 18.0 27.0#
125 17.7 5.8 8.6#



#90
Benzo(a)pyrene
Concen: 4.109 ng
RT: 25.205 min Scan# 3730
Delta R.T. 0.026 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Tgt Ion:252 Resp: 28569
Ion Ratio Lower Upper
252 100
253 33.0 18.2 27.2#
125 20.8 5.8 8.8#

