

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100722\
 Data File : BG055108.D
 Acq On : 7 Oct 2022 21:11
 Operator : CG/JU
 Sample : N5046-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R-13

Quant Time: Oct 08 03:11:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 08 03:04:59 2022
 Response via : Initial Calibration

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

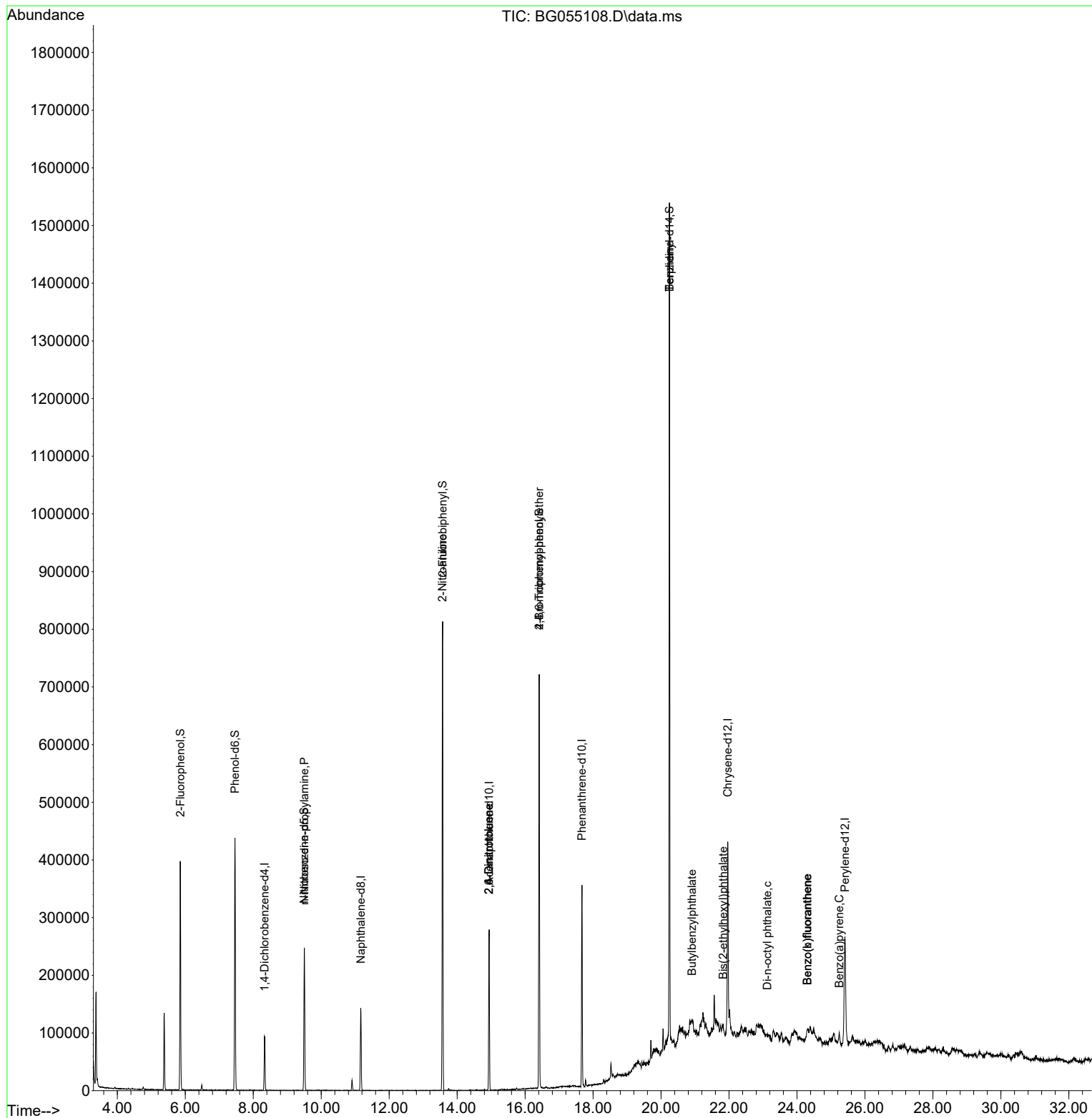
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.331	152	27739	20.000	ng	0.00
21) Naphthalene-d8	11.163	136	123951	20.000	ng	0.00
39) Acenaphthene-d10	14.941	164	99704	20.000	ng	0.00
64) Phenanthrene-d10	17.673	188	226013	20.000	ng	0.00
76) Chrysene-d12	21.962	240	205581	20.000	ng	0.00
86) Perylene-d12	25.411	264	226534	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.852	112	162717	130.292	ng	0.00
7) Phenol-d6	7.462	99	235206	125.698	ng	0.00
23) Nitrobenzene-d5	9.500	82	145901	70.336	ng	0.00
42) 2,4,6-Tribromophenol	16.416	330	151435	145.377	ng	0.00
45) 2-Fluorobiphenyl	13.572	172	421618	66.015	ng	0.00
79) Terphenyl-d14	20.247	244	708017	69.609	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.506	70	20530	11.326	ng	# 77
48) 2-Nitroaniline	13.566	65	678	4.482	ng	# 1
51) 2,6-Dinitrotoluene	14.935	165	12955	12.167	ng	# 15
57) 2,4-Dinitrotoluene	14.935	165	12955	9.936	ng	# 17
67) 4-Bromophenyl-phenylether	16.416	248	9240	3.866	ng	# 1
77) Benzidine	20.247	184	10996	3.105	ng	94
80) Butylbenzylphthalate	20.911	149	348	4.912	ng	95
84) Bis(2-ethylhexyl)phtha...	21.827	149	1026	4.248	ng	# 84
85) Di-n-octyl phthalate	23.126	149	233	4.361	ng	# 47
88) Benzo(b)fluoranthene	24.307	252	30841	2.311	ng	# 93
89) Benzo(k)fluoranthene	24.307	252	30841	2.294	ng	# 93
90) Benzo(a)pyrene	25.247	252	23821	2.082	ng	# 88

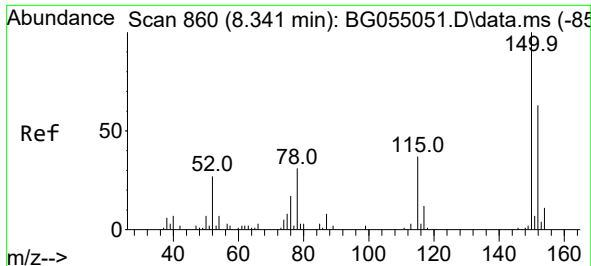
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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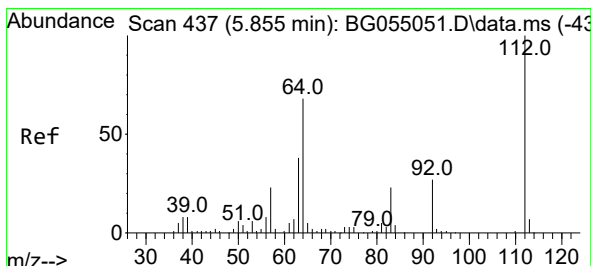
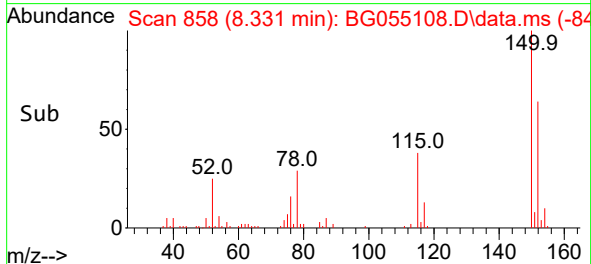
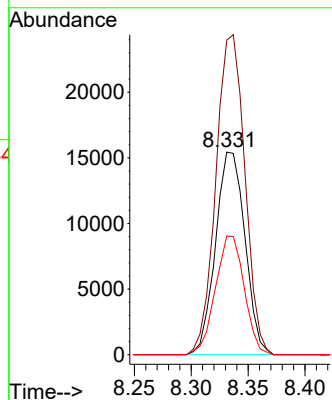
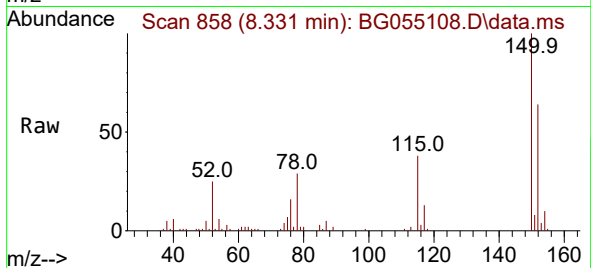




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.331 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

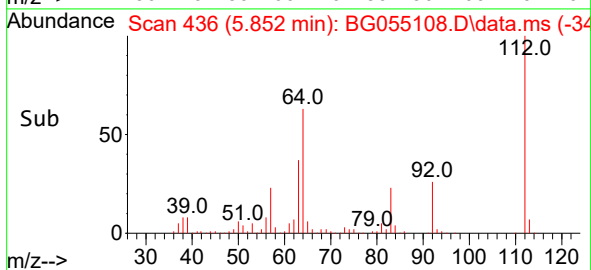
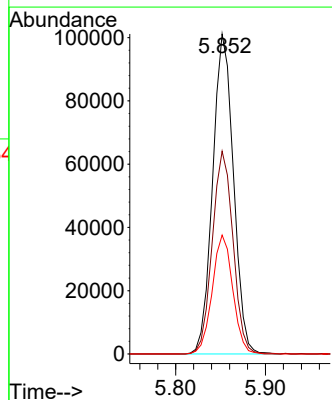
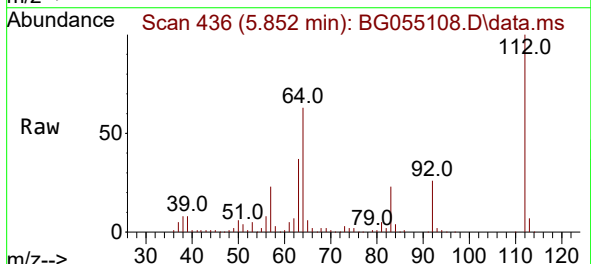
Instrument :
BNA_G
ClientSampleId :
R-13

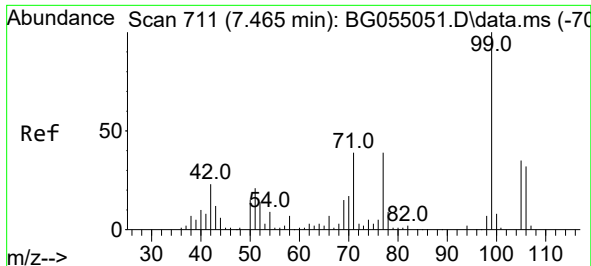
Tgt Ion:152 Resp: 27739
Ion Ratio Lower Upper
152 100
150 155.3 128.0 192.0
115 58.6 47.7 71.5



#5
2-Fluorophenol
Concen: 130.292 ng
RT: 5.852 min Scan# 436
Delta R.T. -0.001 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

Tgt Ion:112 Resp: 162717
Ion Ratio Lower Upper
112 100
64 63.3 54.5 81.7
63 37.1 30.5 45.7

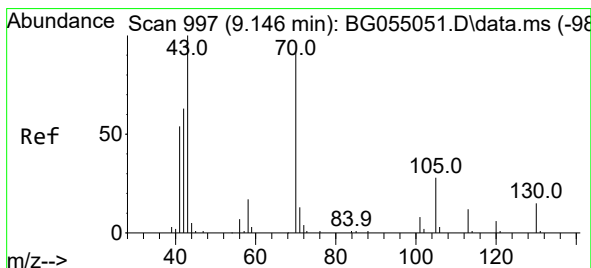
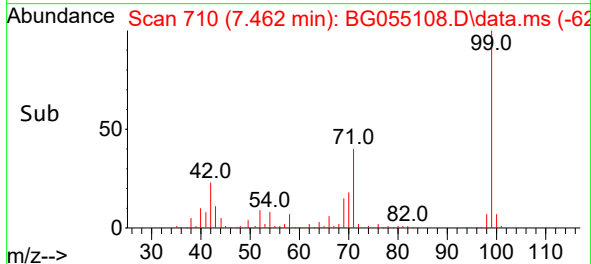
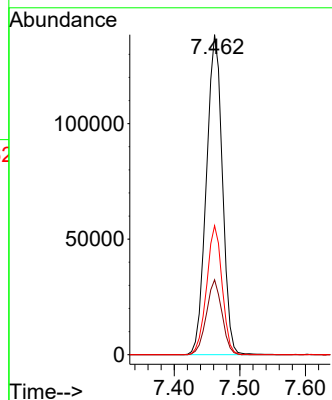
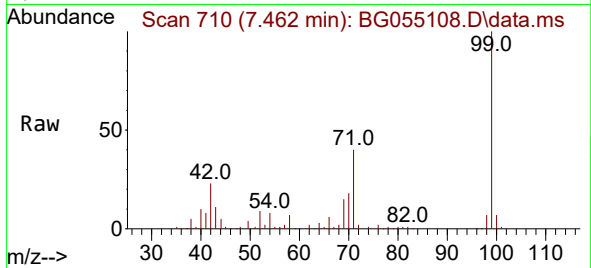




#7
Phenol-d6
Concen: 125.698 ng
RT: 7.462 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

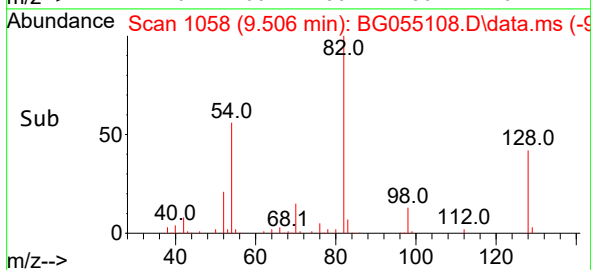
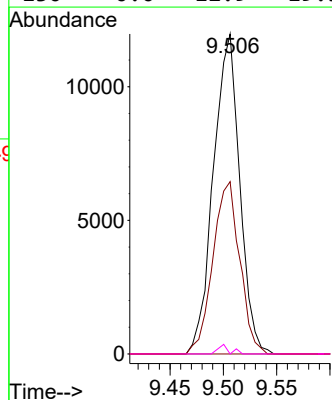
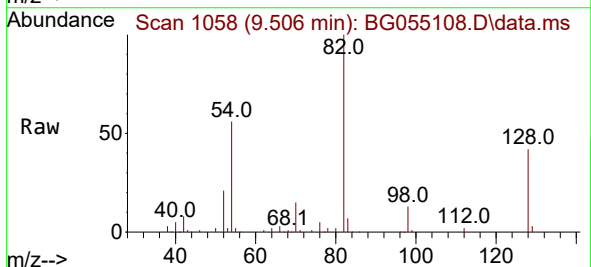
Instrument :
BNA_G
ClientSampleId :
R-13

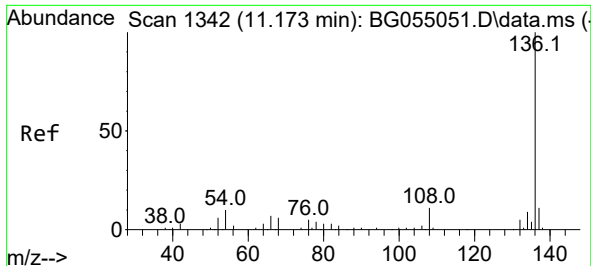
Tgt Ion: 99 Resp: 235206
Ion Ratio Lower Upper
99 100
42 23.4 18.6 28.0
71 40.3 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.326 ng
RT: 9.506 min Scan# 1058
Delta R.T. 0.369 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

Tgt Ion: 70 Resp: 20530
Ion Ratio Lower Upper
70 100
42 53.8 55.8 83.6#
101 0.0 7.1 10.7#
130 0.0 12.9 19.3#

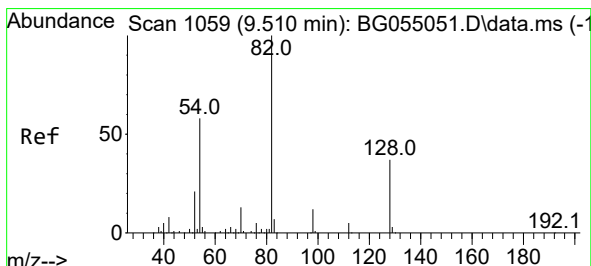
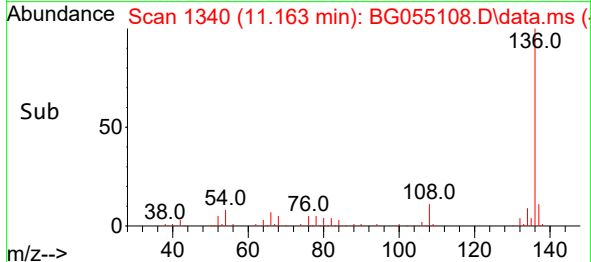
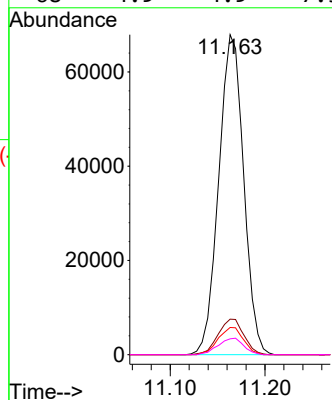
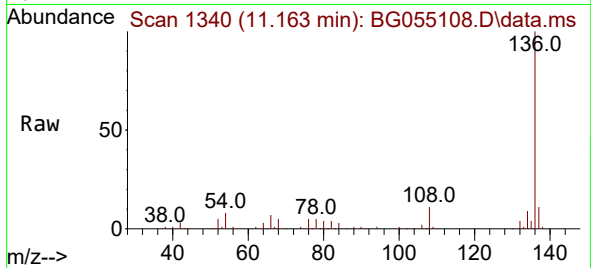




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.163 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

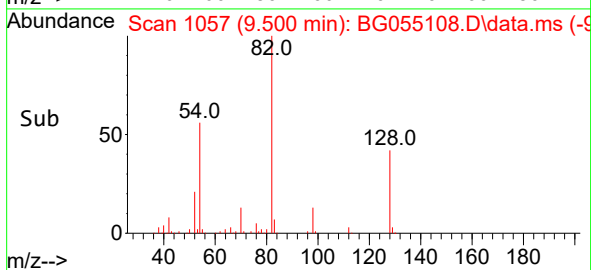
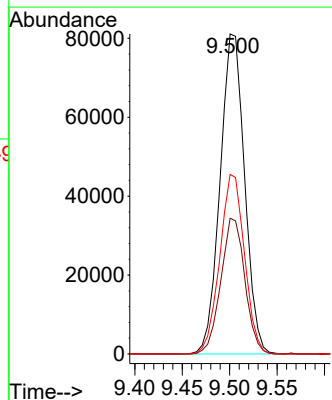
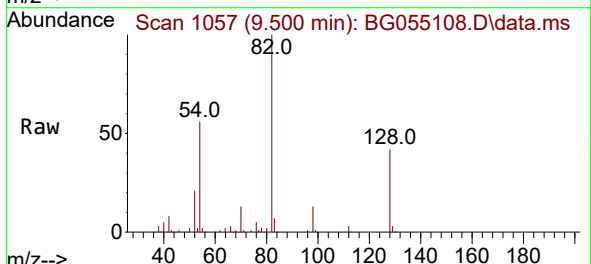
Instrument :
BNA_G
ClientSampleId :
R-13

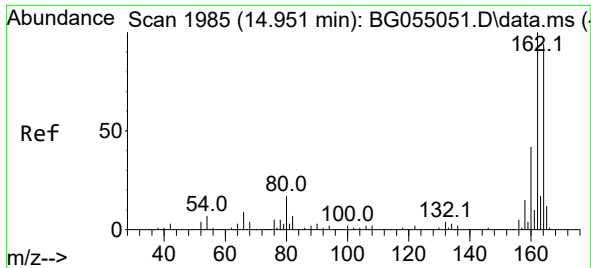
Tgt Ion:136	Resp: 123951
Ion Ratio	Lower Upper
136 100	
137 11.1	8.7 13.1
54 8.5	8.2 12.4
68 4.9	4.9 7.3



#23
Nitrobenzene-d5
Concen: 70.336 ng
RT: 9.500 min Scan# 1057
Delta R.T. -0.007 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

Tgt Ion: 82	Resp: 145901
Ion Ratio	Lower Upper
82 100	
128 42.4	29.5 44.3
54 56.1	46.7 70.1

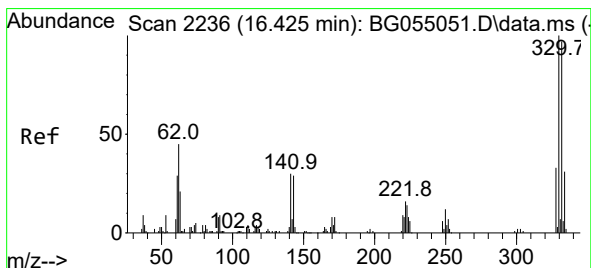
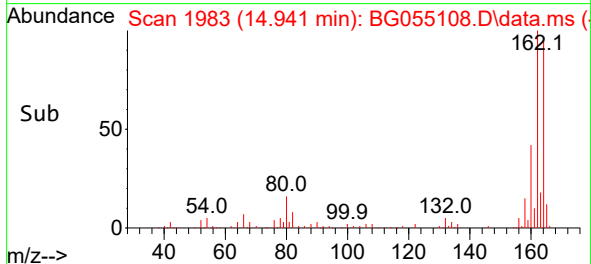
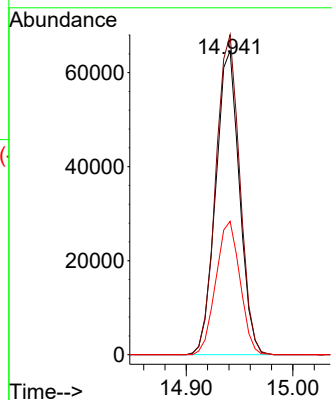
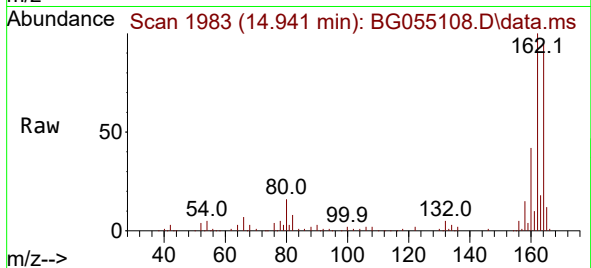




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.941 min Scan# 1983
Delta R.T. -0.001 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

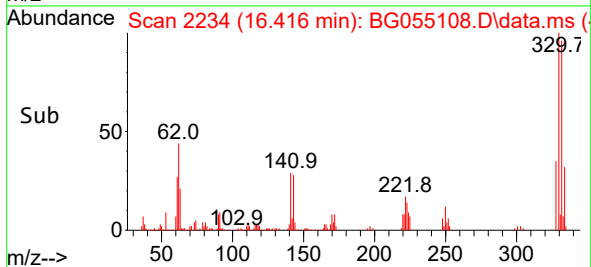
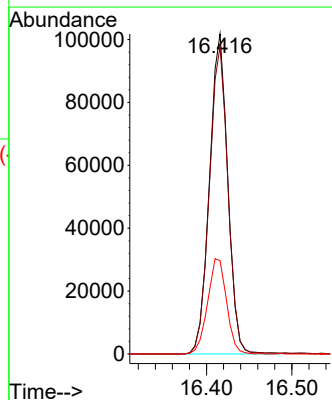
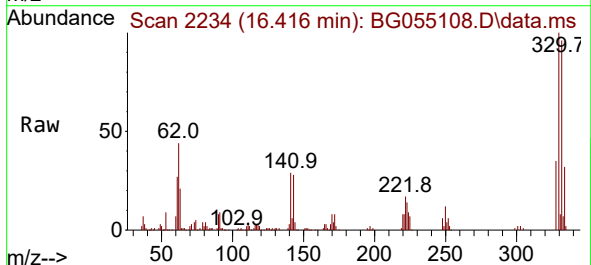
Instrument :
BNA_G
ClientSampleId :
R-13

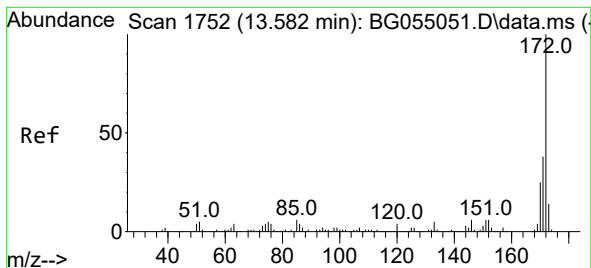
Tgt Ion:164 Resp: 99704
Ion Ratio Lower Upper
164 100
162 105.3 85.5 128.3
160 43.9 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 145.377 ng
RT: 16.416 min Scan# 2234
Delta R.T. -0.001 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

Tgt Ion:330 Resp: 151435
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 30.9 25.0 37.4

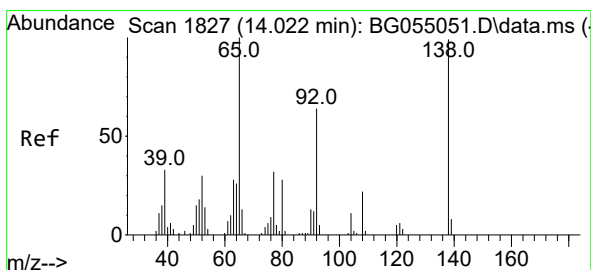
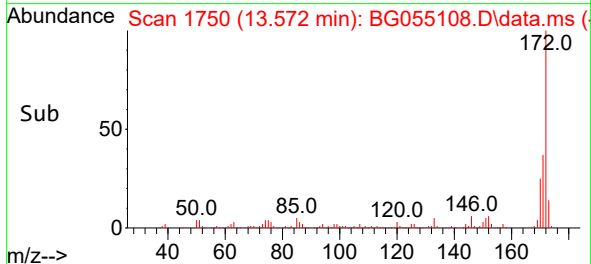
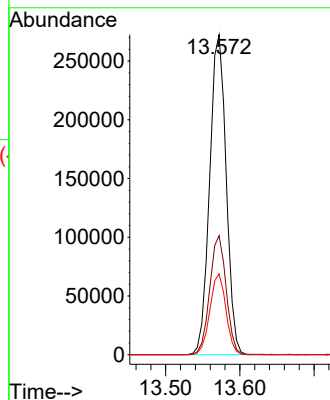
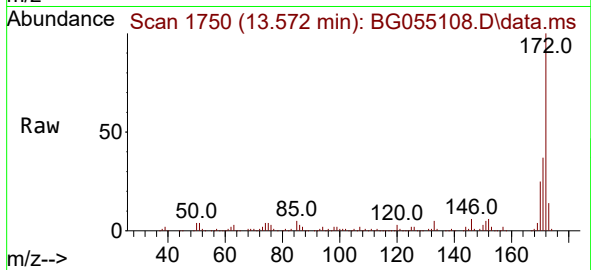




#45
2-Fluorobiphenyl
Concen: 66.015 ng
RT: 13.572 min Scan# 1749
Delta R.T. -0.001 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

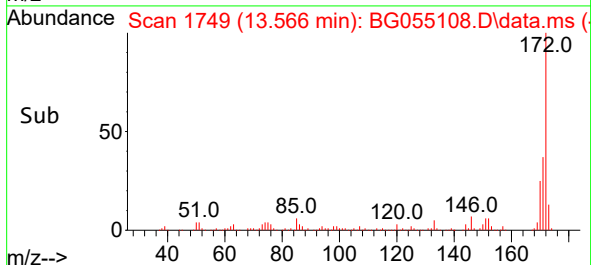
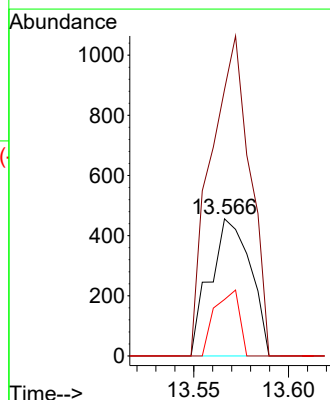
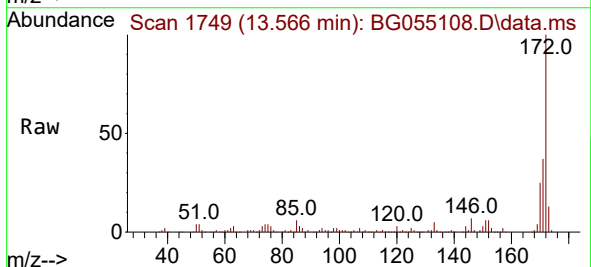
Instrument :
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ClientSampleId :
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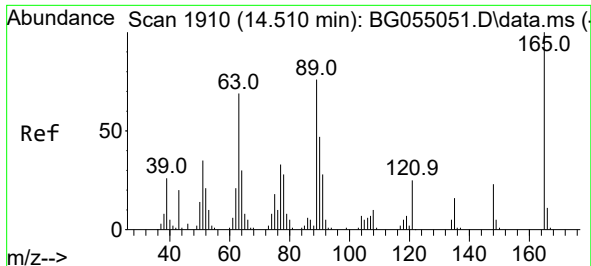
Tgt Ion:172 Resp: 421618
Ion Ratio Lower Upper
172 100
171 37.2 30.1 45.1
170 25.2 20.0 30.0



#48
2-Nitroaniline
Concen: 4.482 ng
RT: 13.566 min Scan# 1749
Delta R.T. -0.453 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

Tgt Ion: 65 Resp: 678
Ion Ratio Lower Upper
65 100
92 194.3 50.9 76.3#
138 41.2 79.5 119.3#

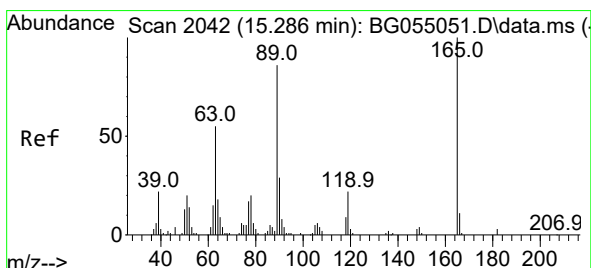
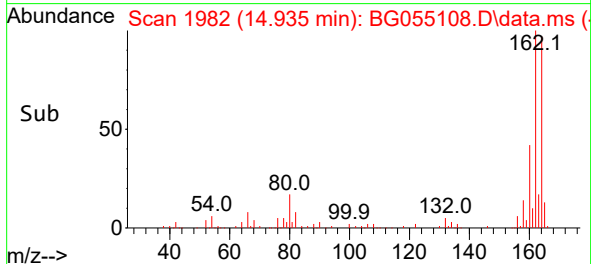
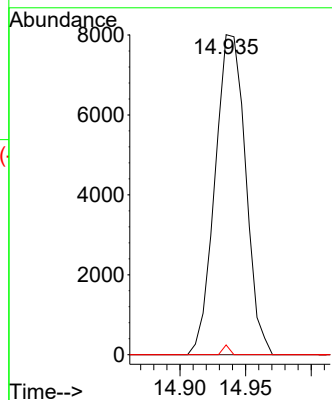
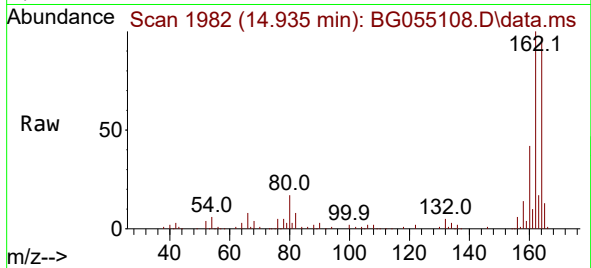




#51
2,6-Dinitrotoluene
Concen: 12.167 ng
RT: 14.935 min Scan# 1910
Delta R.T. 0.428 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

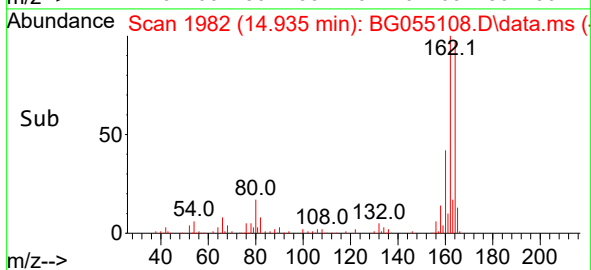
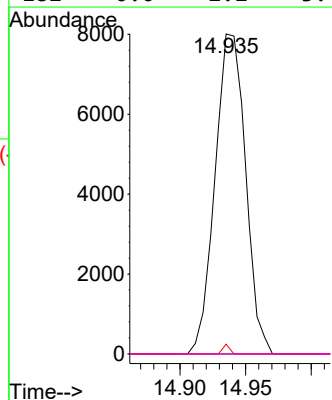
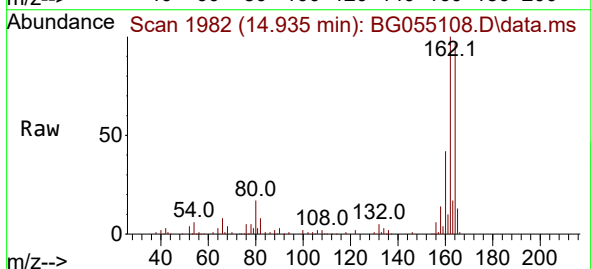
Instrument :
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R-13

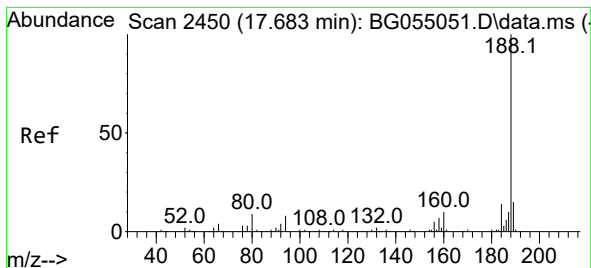
Tgt Ion:165 Resp: 12955
Ion Ratio Lower Upper
165 100
63 0.0 56.2 84.4#
89 3.1 60.4 90.6#



#57
2,4-Dinitrotoluene
Concen: 9.936 ng
RT: 14.935 min Scan# 1982
Delta R.T. -0.347 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

Tgt Ion:165 Resp: 12955
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.2#
89 3.1 69.0 103.6#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.673 min Scan# 24

Delta R.T. -0.001 min

Lab File: BG055108.D

Acq: 7 Oct 2022 21:11

Instrument :

BNA_G

ClientSampleId :

R-13

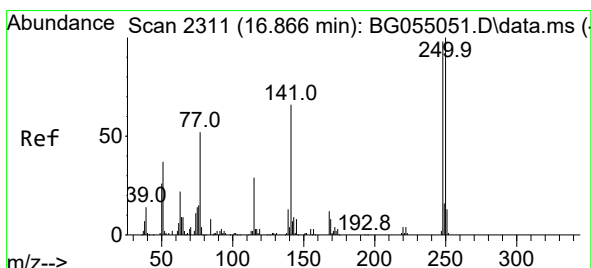
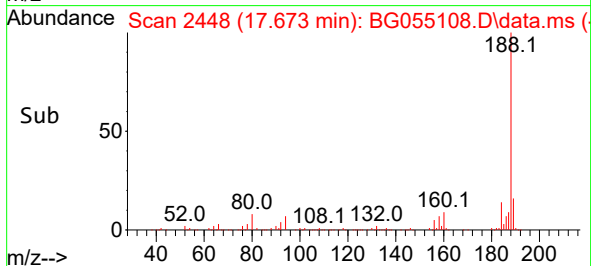
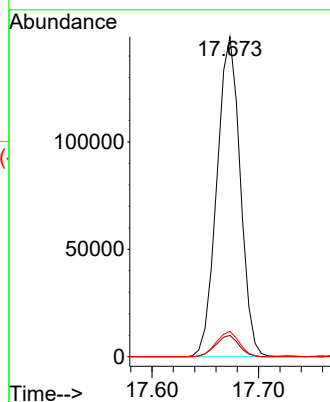
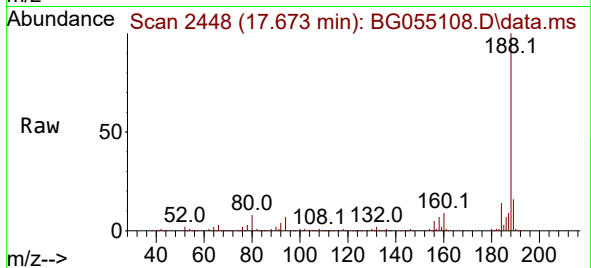
Tgt Ion:188 Resp: 226013

Ion Ratio Lower Upper

188 100

94 6.6 6.2 9.2

80 7.9 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.866 ng

RT: 16.416 min Scan# 2234

Delta R.T. -0.441 min

Lab File: BG055108.D

Acq: 7 Oct 2022 21:11

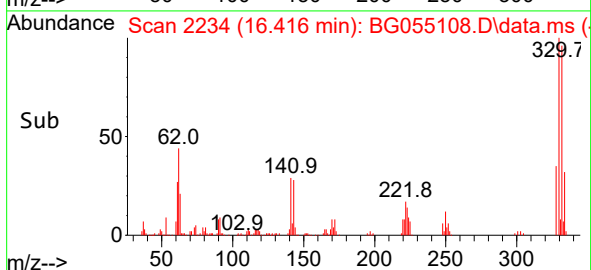
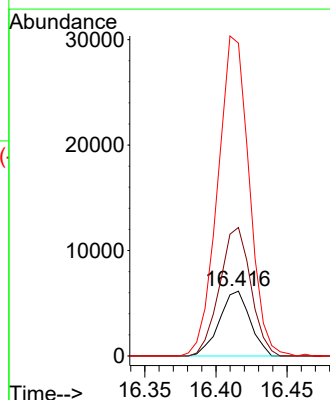
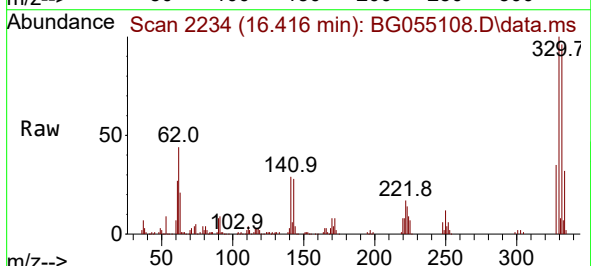
Tgt Ion:248 Resp: 9240

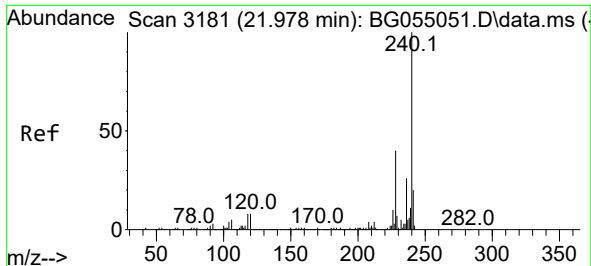
Ion Ratio Lower Upper

248 100

250 198.0 81.7 122.5#

141 482.3 53.7 80.5#

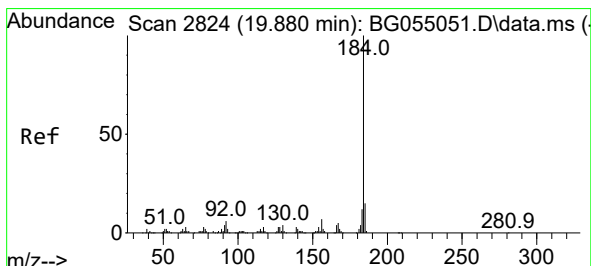
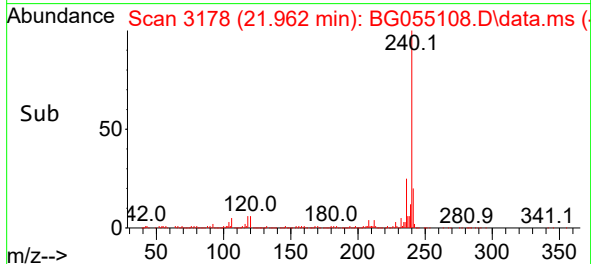
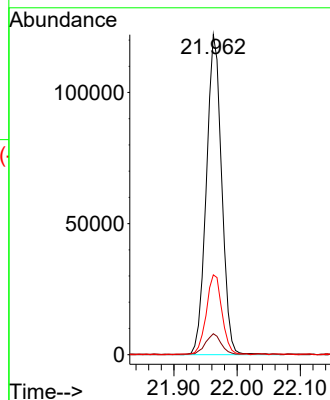
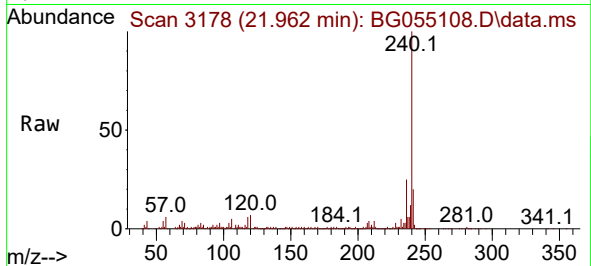




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.962 min Scan# 3181
Delta R.T. -0.007 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

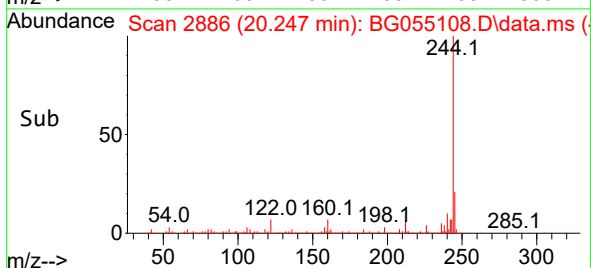
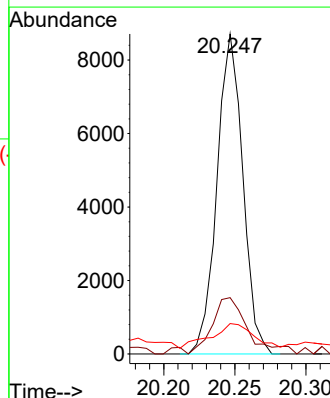
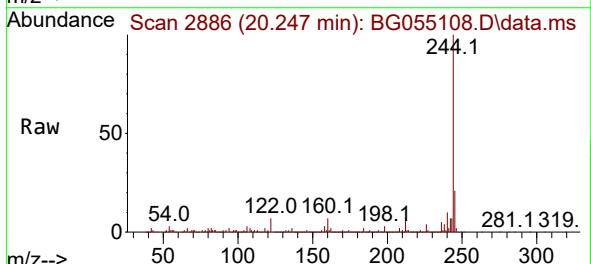
Instrument :
BNA_G
ClientSampleId :
R-13

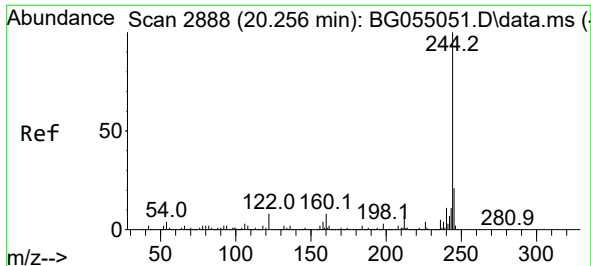
Tgt Ion:240 Resp: 205581
Ion Ratio Lower Upper
240 100
120 6.5 6.2 9.4
236 25.0 20.6 30.8



#77
Benzidine
Concen: 3.105 ng
RT: 20.247 min Scan# 2886
Delta R.T. 0.375 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

Tgt Ion:184 Resp: 10996
Ion Ratio Lower Upper
184 100
185 17.6 12.2 18.4
183 9.5 9.4 14.0

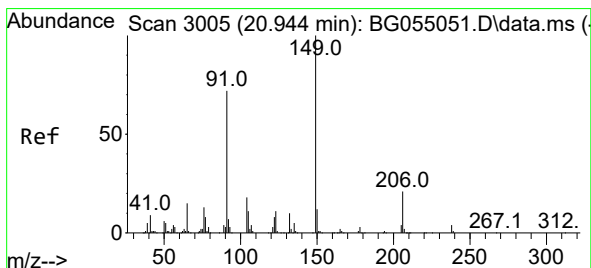
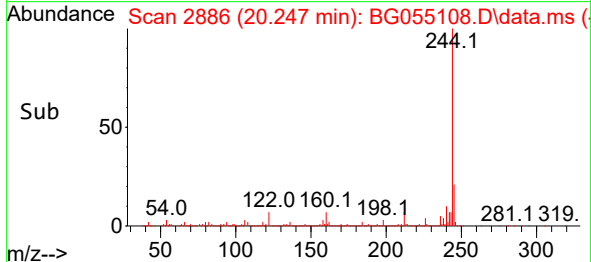
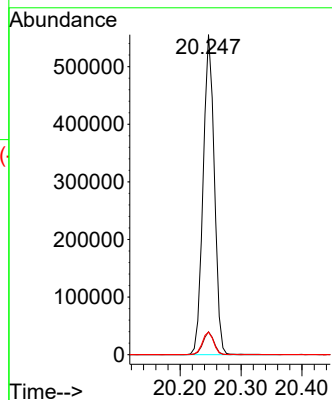
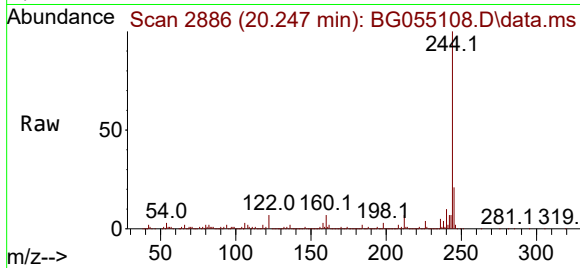




#79
 Terphenyl-d14
 Concen: 69.609 ng
 RT: 20.247 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG055108.D
 Acq: 7 Oct 2022 21:11

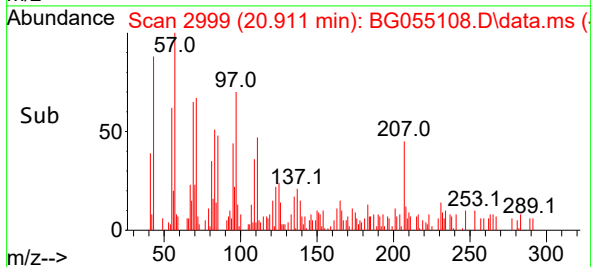
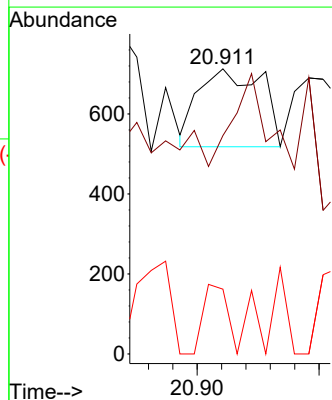
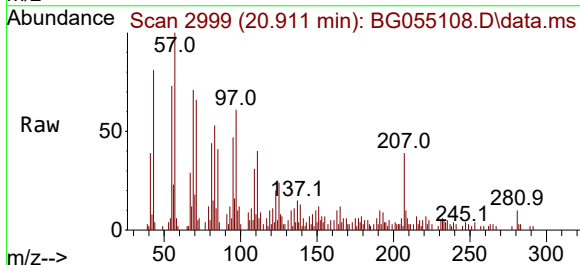
Instrument :
 BNA_G
 ClientSampleId :
 R-13

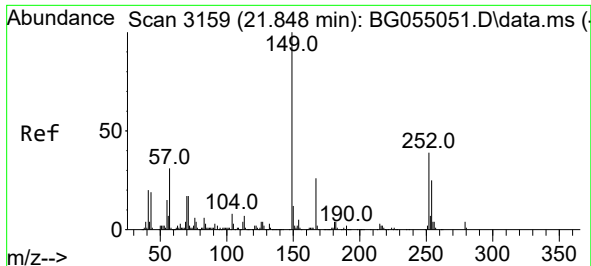
Tgt Ion:244 Resp: 708017
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 7.1 6.6 10.0



#80
 Butylbenzylphthalate
 Concen: 4.912 ng
 RT: 20.911 min Scan# 2999
 Delta R.T. -0.024 min
 Lab File: BG055108.D
 Acq: 7 Oct 2022 21:11

Tgt Ion:149 Resp: 348
 Ion Ratio Lower Upper
 149 100
 91 76.6 57.8 86.8
 206 22.7 16.9 25.3

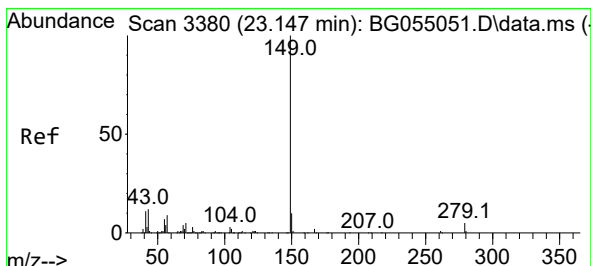
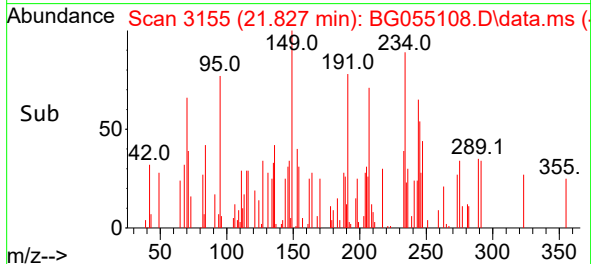
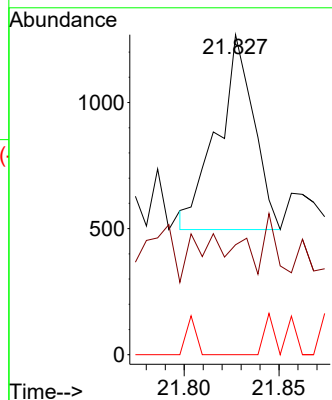
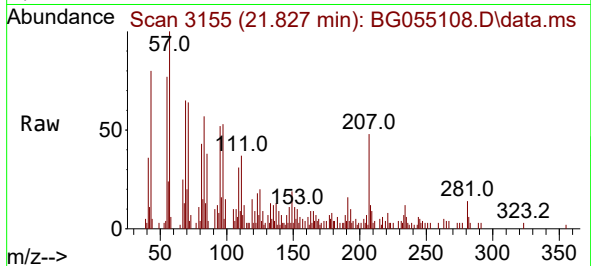




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.248 ng
 RT: 21.827 min Scan# 3155
 Delta R.T. -0.007 min
 Lab File: BG055108.D
 Acq: 7 Oct 2022 21:11

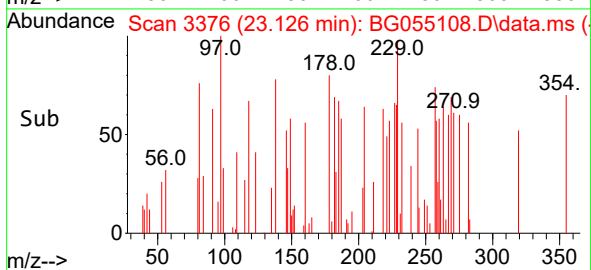
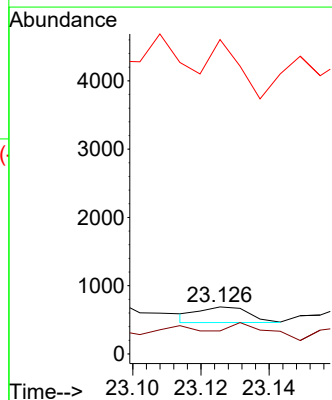
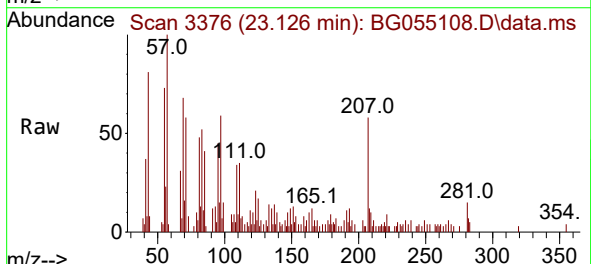
Instrument :
 BNA_G
 ClientSampleId :
 R-13

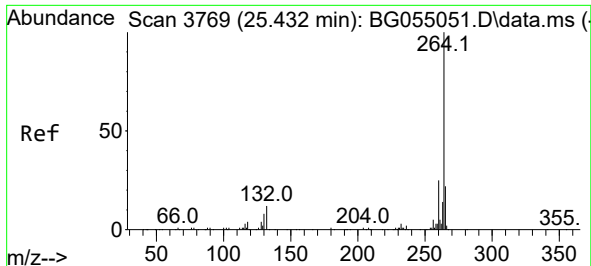
Tgt Ion:149 Resp: 1026
 Ion Ratio Lower Upper
 149 100
 167 34.4 21.0 31.4#
 279 0.0 3.4 5.2#



#85
 Di-n-octyl phthalate
 Concen: 4.361 ng
 RT: 23.126 min Scan# 3376
 Delta R.T. -0.001 min
 Lab File: BG055108.D
 Acq: 7 Oct 2022 21:11

Tgt Ion:149 Resp: 233
 Ion Ratio Lower Upper
 149 100
 167 83.7 1.3 1.9#
 43 0.0 10.2 15.4#

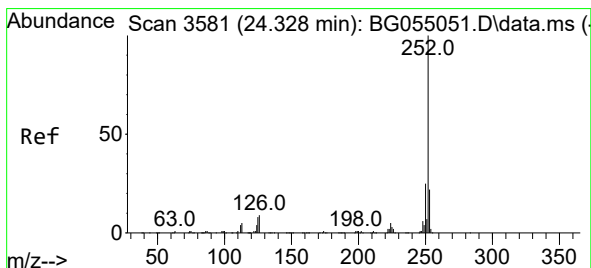
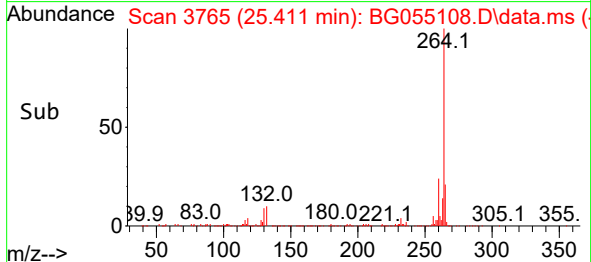
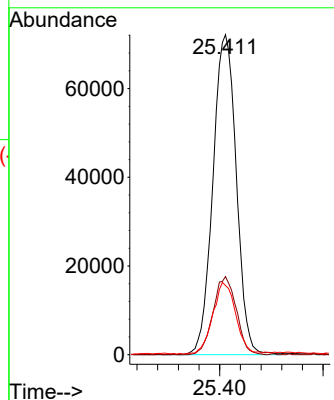
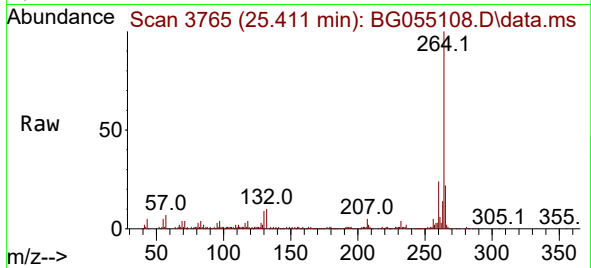




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.411 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

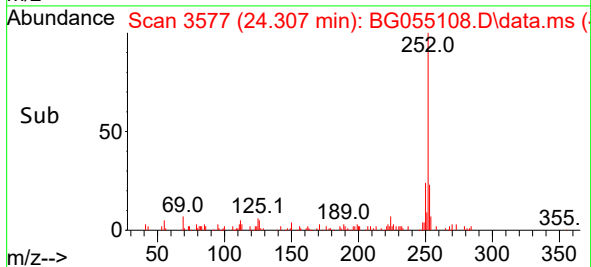
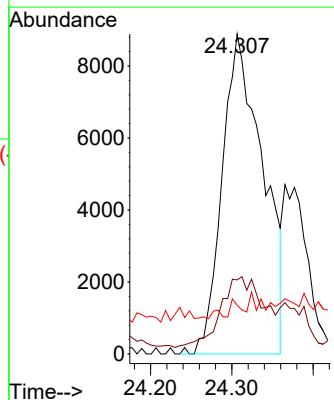
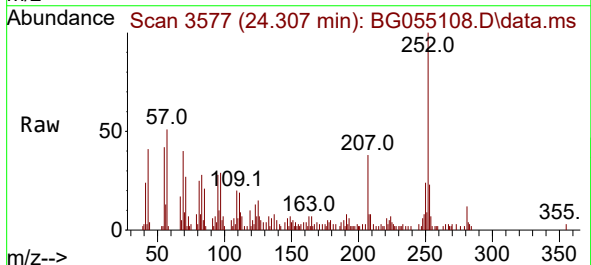
Instrument :
BNA_G
ClientSampleId :
R-13

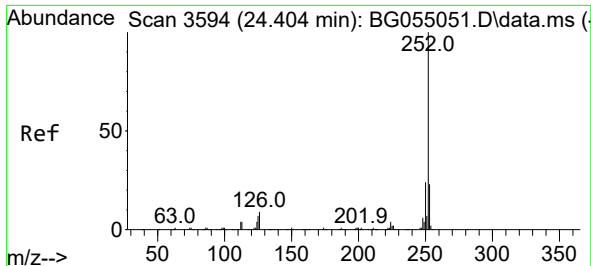
Tgt Ion:264 Resp: 226534
Ion Ratio Lower Upper
264 100
260 24.4 19.7 29.5
265 21.6 17.8 26.6



#88
Benzo(b)fluoranthene
Concen: 2.311 ng
RT: 24.307 min Scan# 3577
Delta R.T. -0.012 min
Lab File: BG055108.D
Acq: 7 Oct 2022 21:11

Tgt Ion:252 Resp: 30841
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 15.2 6.1 9.1#





#89

Benzo(k)fluoranthene

Concen: 2.294 ng

RT: 24.307 min Scan# 3

Delta R.T. -0.083 min

Lab File: BG055108.D

Acq: 7 Oct 2022 21:11

Instrument :

BNA_G

ClientSampleId :

R-13

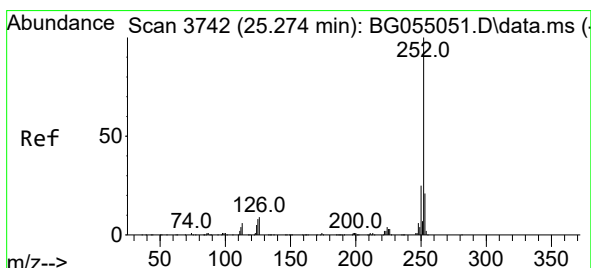
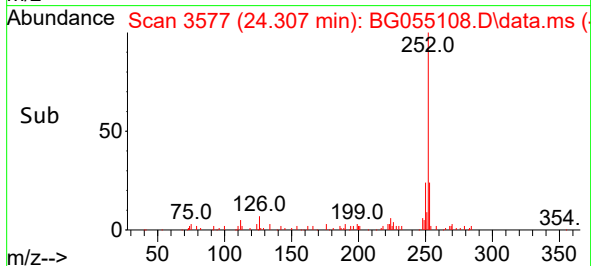
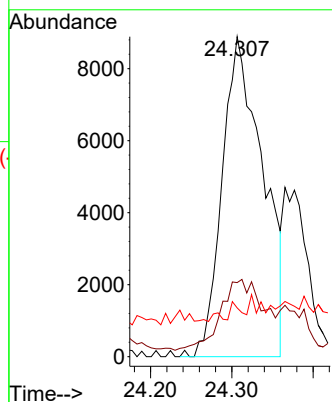
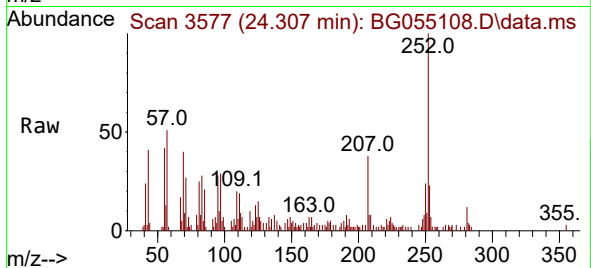
Tgt Ion:252 Resp: 30841

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 15.2 5.8 8.6#



#90

Benzo(a)pyrene

Concen: 2.082 ng

RT: 25.247 min Scan# 3737

Delta R.T. -0.007 min

Lab File: BG055108.D

Acq: 7 Oct 2022 21:11

Tgt Ion:252 Resp: 23821

Ion Ratio Lower Upper

252 100

253 23.6 16.9 25.3

125 18.3 6.6 9.8#

