

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
 Data File : BG055980.D
 Acq On : 15 Dec 2022 17:07
 Operator : CG/JU
 Sample : N6048-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-22

Quant Time: Dec 16 04:04:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 14 02:24:06 2022
 Response via : Initial Calibration

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

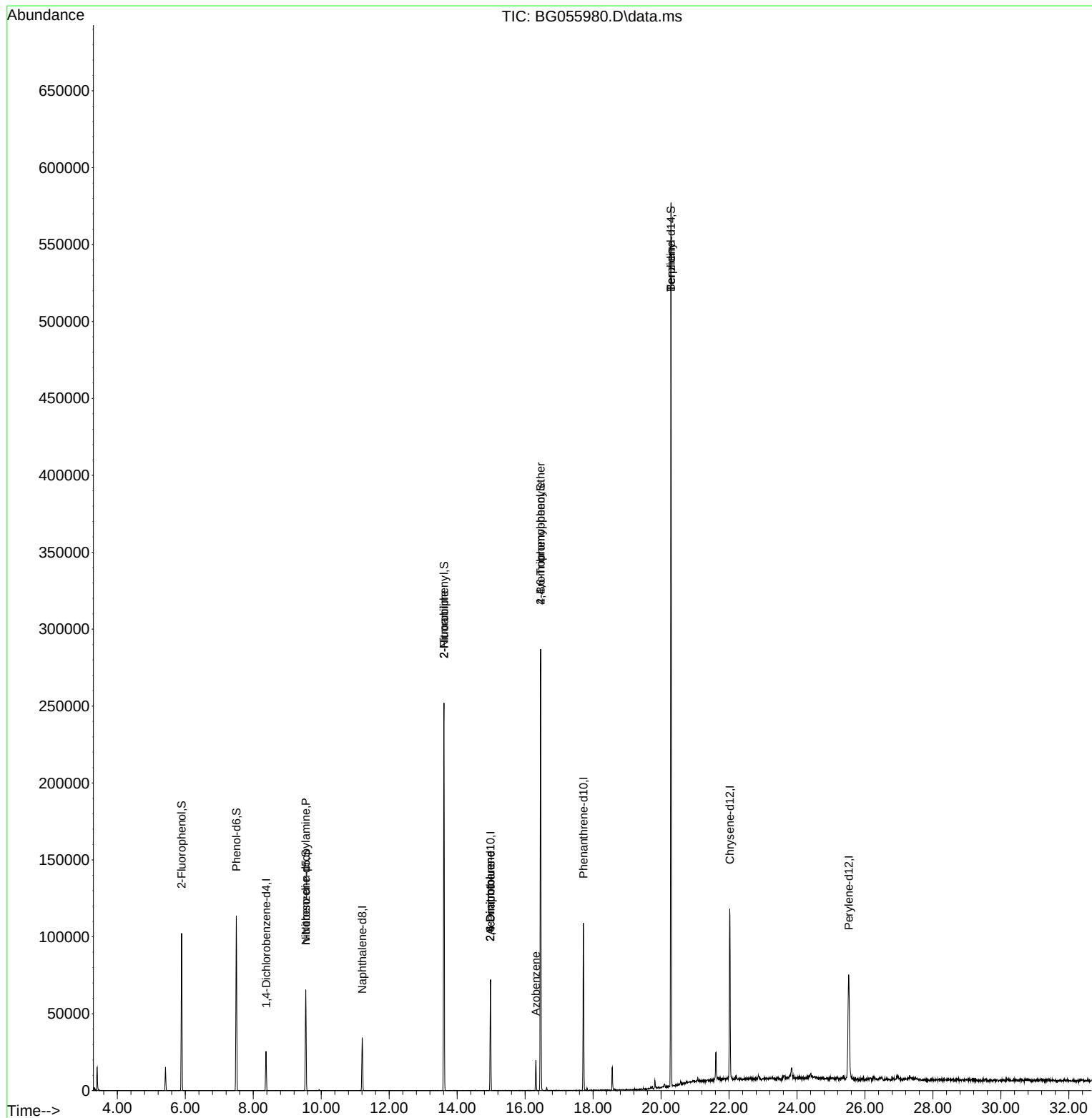
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.377	152	8322	20.000	ng	0.00
21) Naphthalene-d8	11.209	136	32012	20.000	ng	# 0.00
39) Acenaphthene-d10	14.981	164	28242	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	77870	20.000	ng	0.00
76) Chrysene-d12	22.020	240	79486	20.000	ng	0.00
86) Perylene-d12	25.522	264	94698	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.892	112	41842	117.913	ng	0.00
7) Phenol-d6	7.502	99	53590	117.420	ng	0.00
23) Nitrobenzene-d5	9.546	82	34030	74.287	ng	0.00
42) 2,4,6-Tribromophenol	16.456	330	76960	113.010	ng	0.00
45) 2-Fluorobiphenyl	13.612	172	138759	68.907	ng	0.00
79) Terphenyl-d14	20.293	244	318904	70.909	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.546	70	5373	16.424	ng	# 69
48) 2-Nitroaniline	13.612	65	63	3.008	ng	# 1
51) 2,6-Dinitrotoluene	14.975	165	3981	10.536	ng	# 25
57) 2,4-Dinitrotoluene	14.975	165	3981	6.980	ng	# 35
63) Azobenzene	16.315	77	5531	3.808	ng	# 11
67) 4-Bromophenyl-phenylether	16.456	248	4486	3.932	ng	# 1
77) Benzidine	20.293	184	4873	3.491	ng	# 90

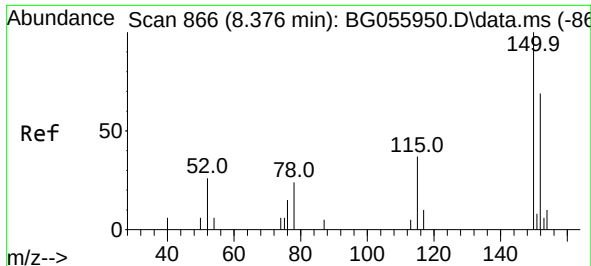
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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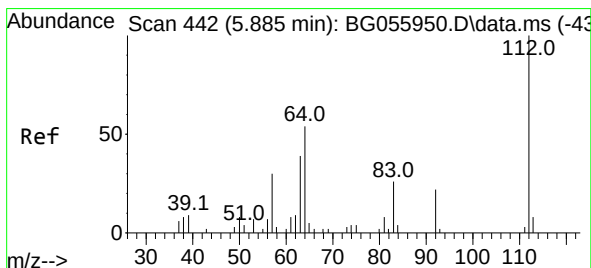
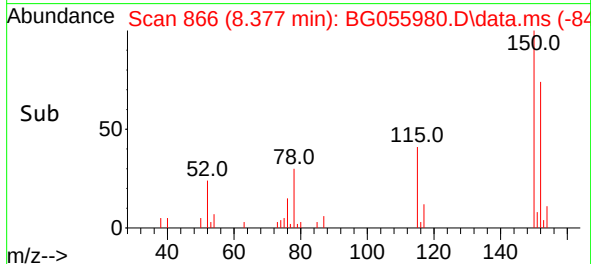
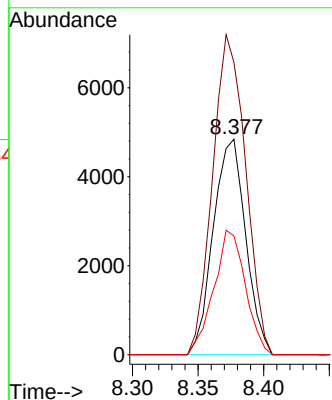
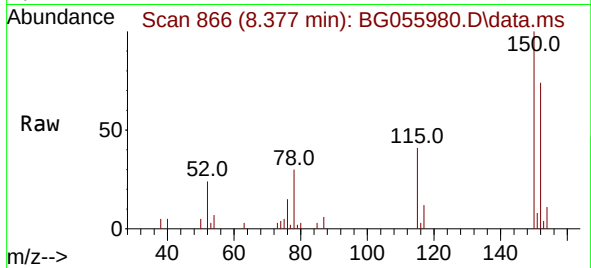




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.377 min Scan# 80
Delta R.T. 0.001 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

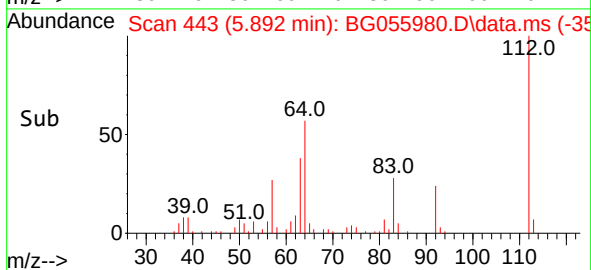
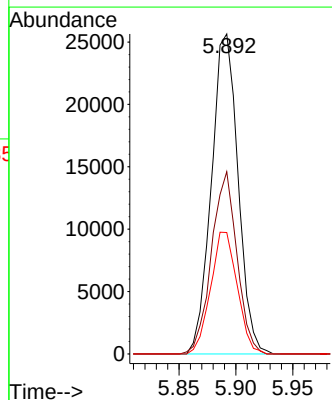
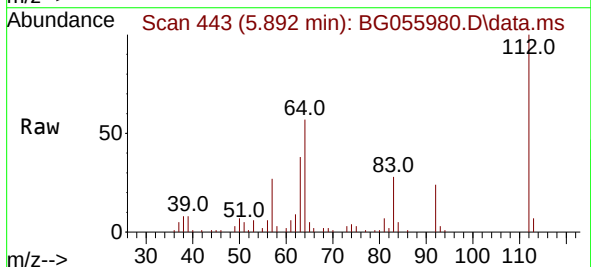
Instrument :
BNA_G
ClientSampleId :
MH-22

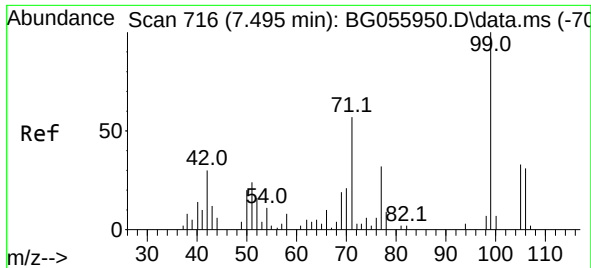
Tgt Ion:152 Resp: 8322
Ion Ratio Lower Upper
152 100
150 135.6 115.7 173.5
115 55.1 43.0 64.4



#5
2-Fluorophenol
Concen: 117.913 ng
RT: 5.892 min Scan# 443
Delta R.T. 0.007 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

Tgt Ion:112 Resp: 41842
Ion Ratio Lower Upper
112 100
64 56.9 43.0 64.4
63 37.9 31.4 47.2

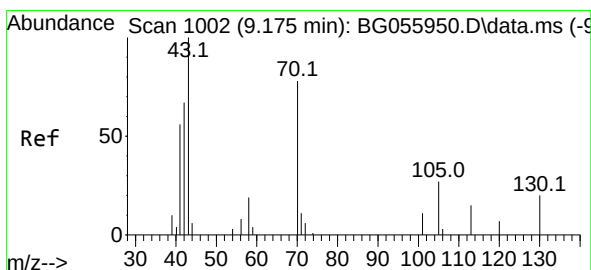
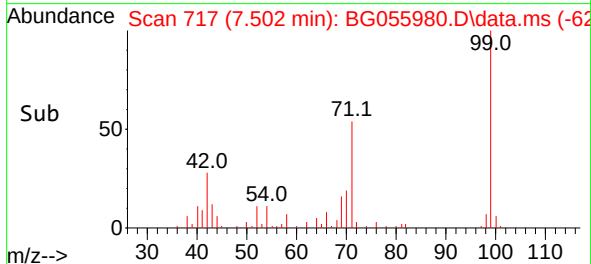
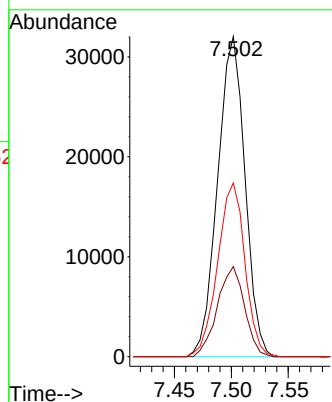
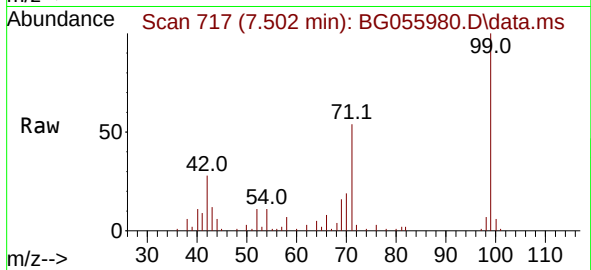




#7
Phenol-d6
Concen: 117.420 ng
RT: 7.502 min Scan# 716
Delta R.T. 0.007 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

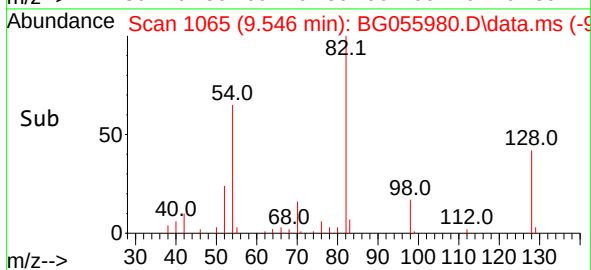
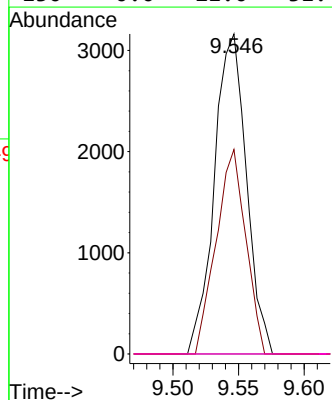
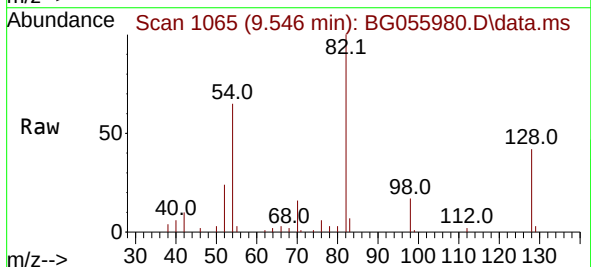
Instrument :
BNA_G
ClientSampleId :
MH-22

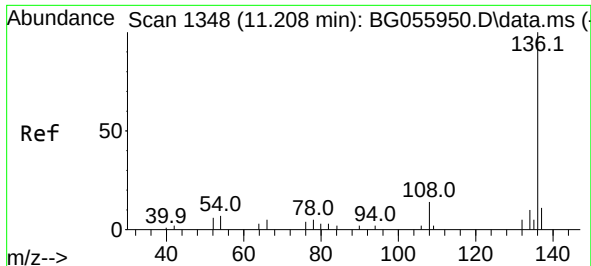
Tgt Ion: 99 Resp: 53590
Ion Ratio Lower Upper
99 100
42 28.2 24.3 36.5
71 54.3 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.424 ng
RT: 9.546 min Scan# 1065
Delta R.T. 0.371 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

Tgt Ion: 70 Resp: 5373
Ion Ratio Lower Upper
70 100
42 63.9 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

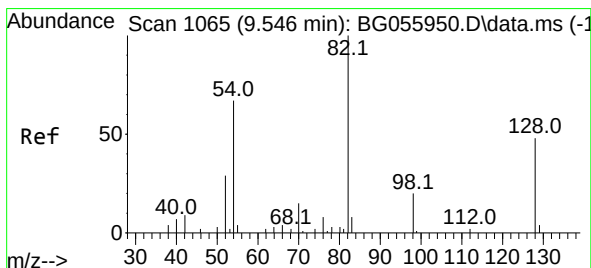
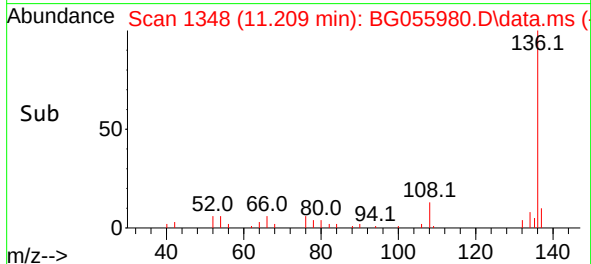
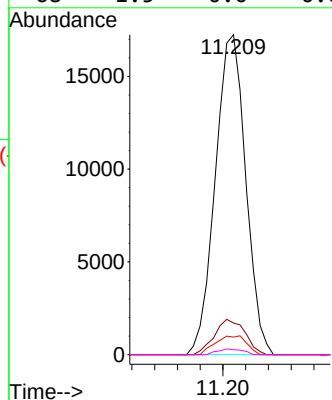
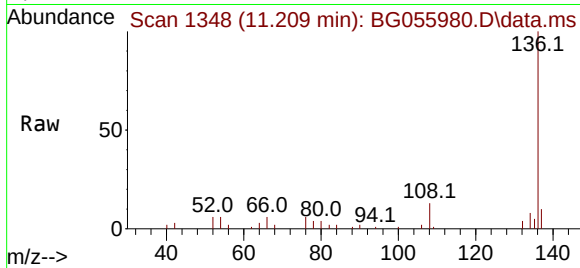




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.209 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

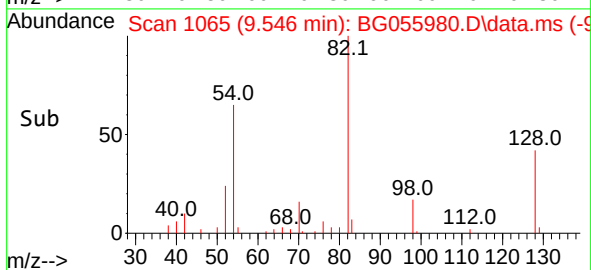
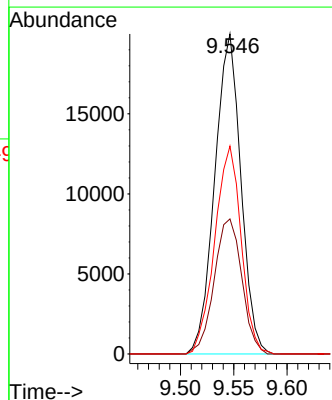
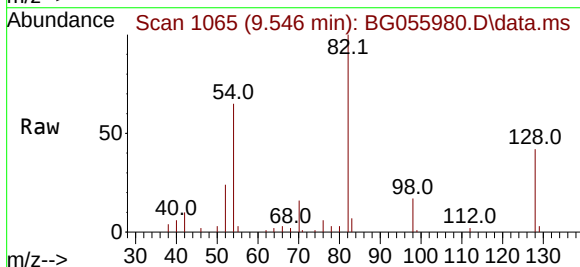
Instrument :
BNA_G
ClientSampleId :
MH-22

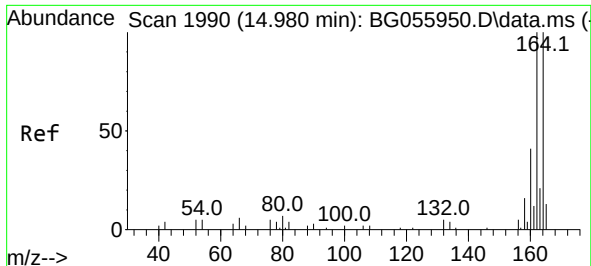
Tgt Ion:	136	Resp:	32012
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	5.5	5.6	8.4#
68	1.5	0.0	0.0#



#23
Nitrobenzene-d5
Concen: 74.287 ng
RT: 9.546 min Scan# 1065
Delta R.T. 0.001 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

Tgt Ion:	82	Resp:	34030
Ion	Ratio	Lower	Upper
82	100		
128	42.2	38.4	57.6
54	65.0	53.3	79.9

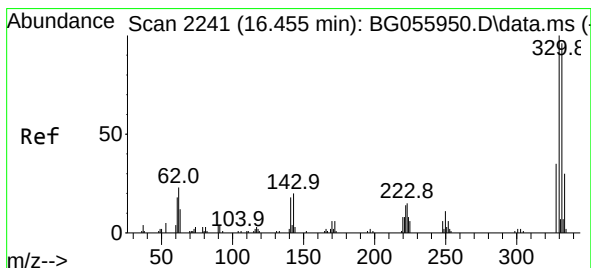
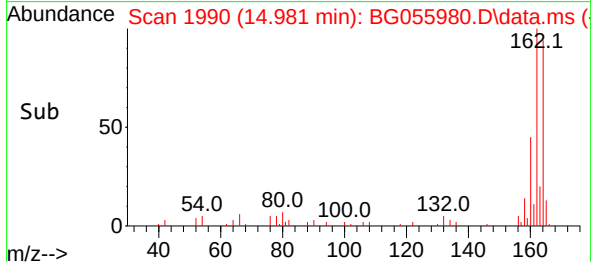
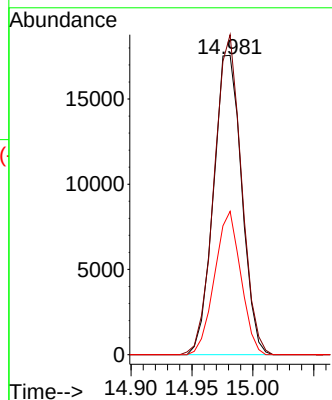
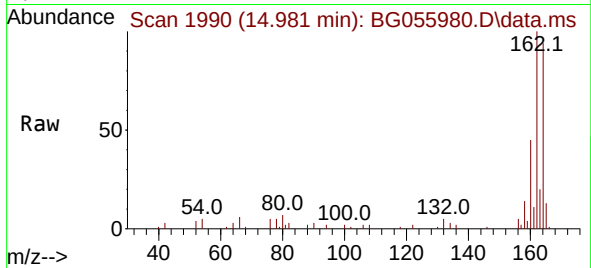




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.981 min Scan# 1990
Delta R.T. 0.001 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

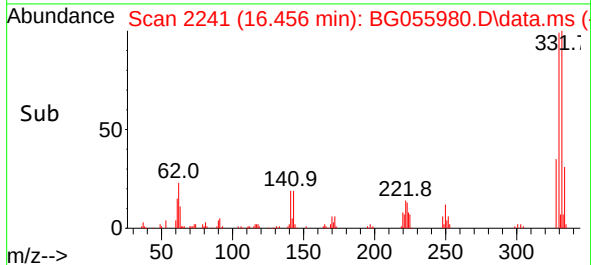
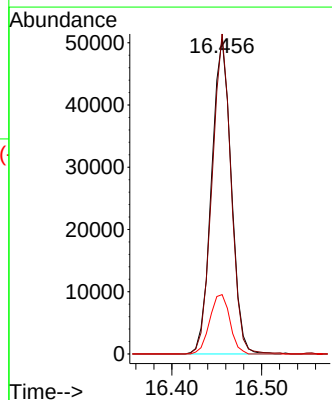
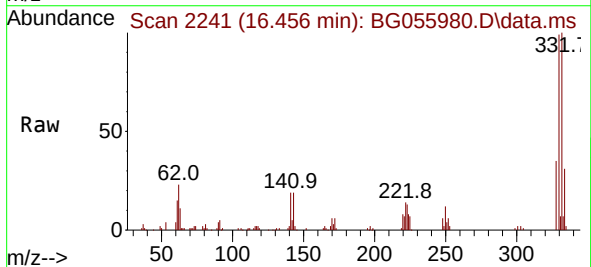
Instrument :
BNA_G
ClientSampleId :
MH-22

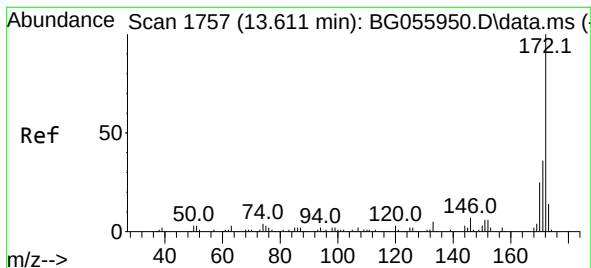
Tgt Ion:164 Resp: 28242
Ion Ratio Lower Upper
164 100
162 106.9 79.8 119.8
160 47.9 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 113.010 ng
RT: 16.456 min Scan# 2241
Delta R.T. 0.001 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

Tgt Ion:330 Resp: 76960
Ion Ratio Lower Upper
330 100
332 97.7 76.6 114.8
141 19.3 15.0 22.4

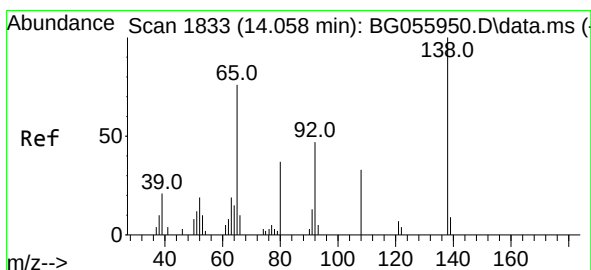
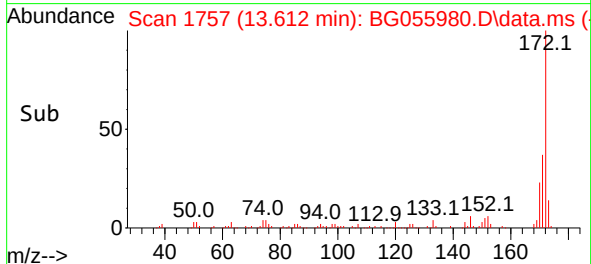
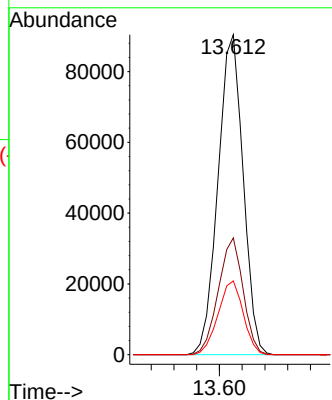
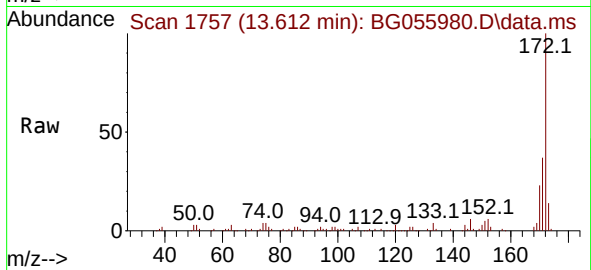




#45
2-Fluorobiphenyl
Concen: 68.907 ng
RT: 13.612 min Scan# 1757
Delta R.T. 0.001 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

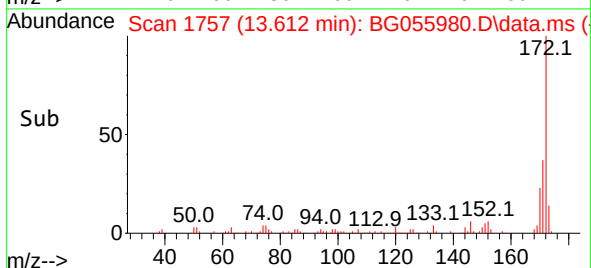
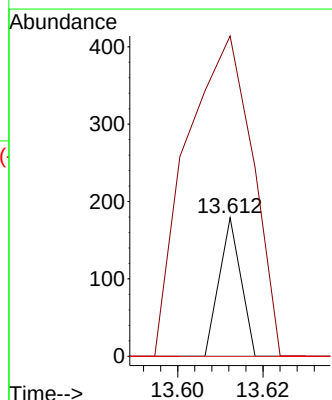
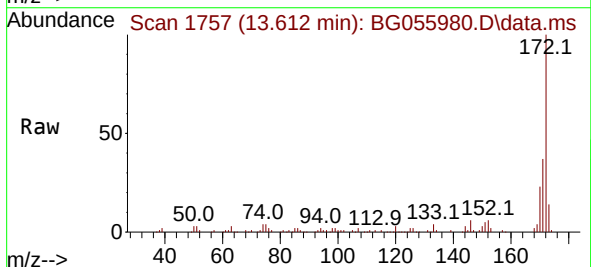
Instrument :
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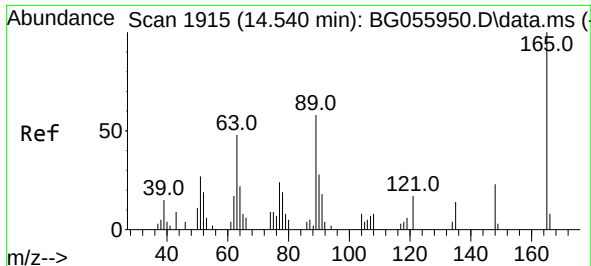
Tgt Ion:172 Resp: 138759
Ion Ratio Lower Upper
172 100
171 36.5 28.6 42.8
170 23.1 19.9 29.9



#48
2-Nitroaniline
Concen: 3.008 ng
RT: 13.612 min Scan# 1757
Delta R.T. -0.446 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

Tgt Ion: 65 Resp: 63
Ion Ratio Lower Upper
65 100
92 231.3 49.7 74.5#
138 0.0 105.0 157.6#

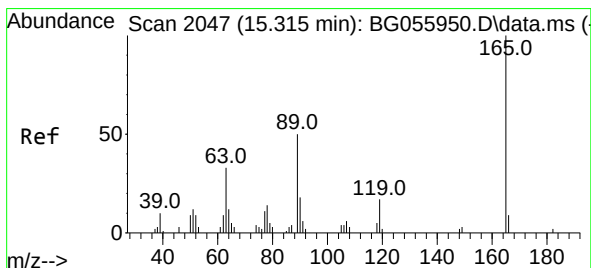
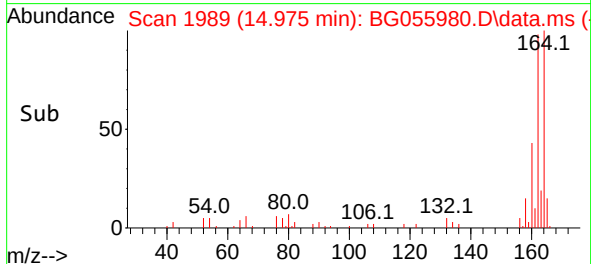
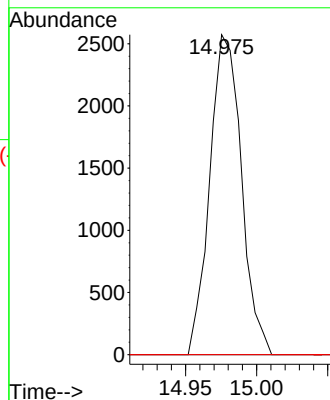
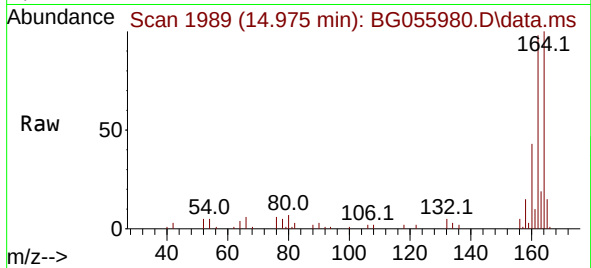




#51
2,6-Dinitrotoluene
Concen: 10.536 ng
RT: 14.975 min Scan# 1915
Delta R.T. 0.435 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

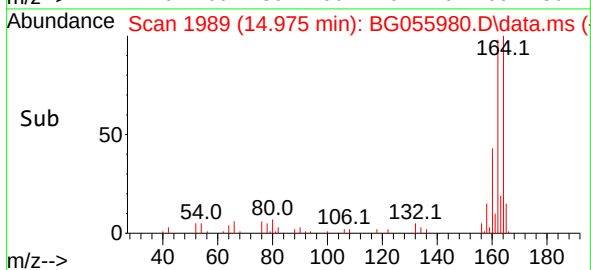
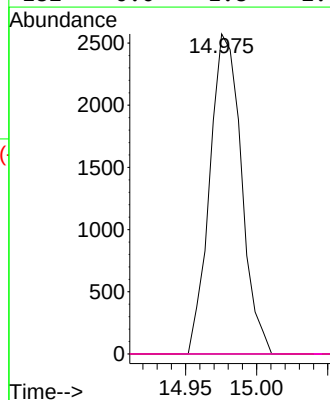
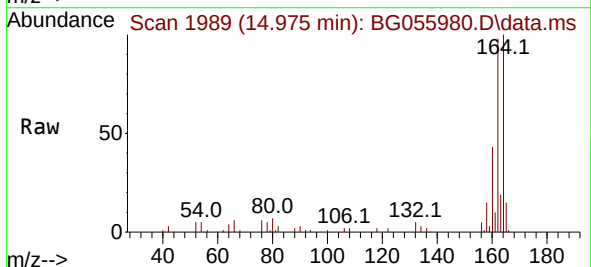
Instrument :
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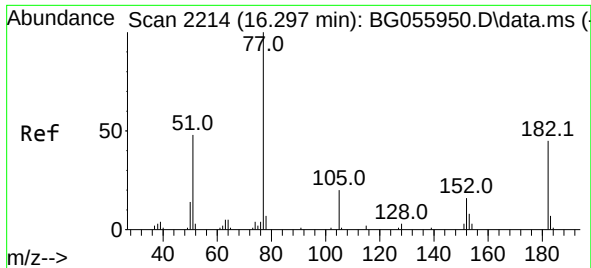
Tgt Ion:165 Resp: 3981
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#



#57
2,4-Dinitrotoluene
Concen: 6.980 ng
RT: 14.975 min Scan# 1989
Delta R.T. -0.340 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

Tgt Ion:165 Resp: 3981
Ion Ratio Lower Upper
165 100
63 0.0 26.6 39.8#
89 0.0 40.1 60.1#
182 0.0 1.8 2.6#

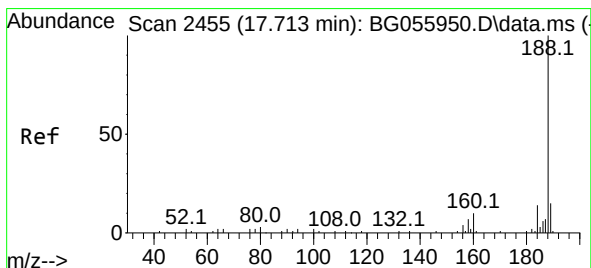
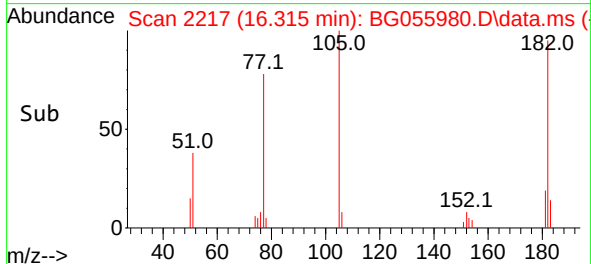
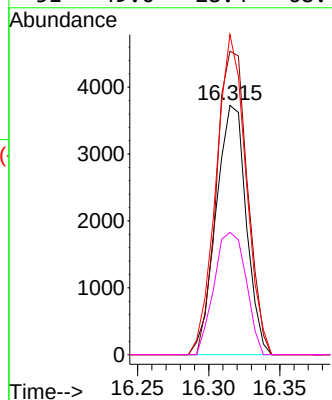
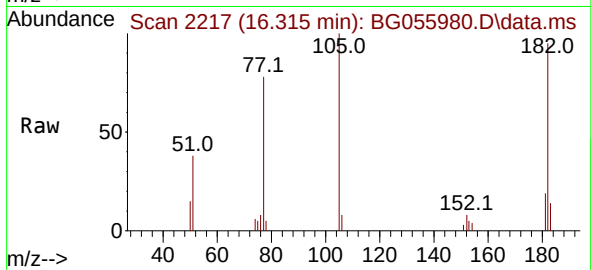




#63
Azobenzene
Concen: 3.808 ng
RT: 16.315 min Scan# 21
Delta R.T. 0.018 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

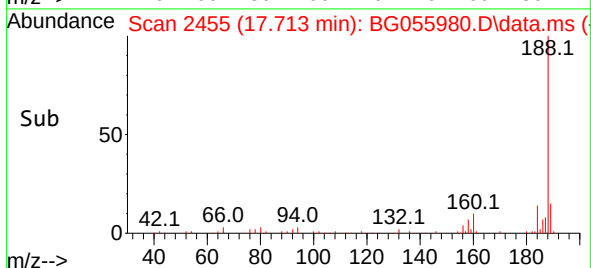
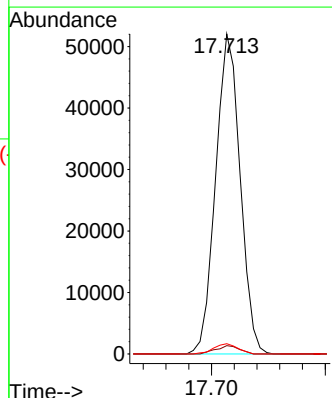
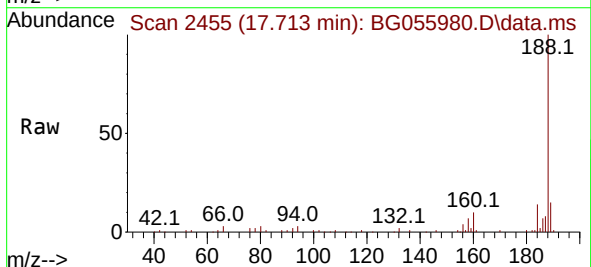
Instrument :
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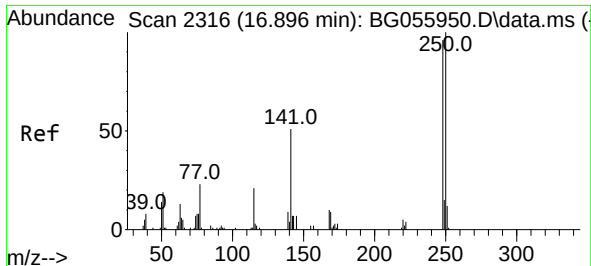
Tgt Ion: 77	Resp: 5531
Ion Ratio	Lower Upper
77 100	
182 121.7	24.7 64.7#
105 128.3	0.3 40.3#
51 49.0	28.4 68.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2455
Delta R.T. 0.001 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

Tgt Ion: 188	Resp: 77870
Ion Ratio	Lower Upper
188 100	
94 2.6	1.8 2.8
80 3.2	2.4 3.6





#67

4-Bromophenyl-phenylether

Concen: 3.932 ng

RT: 16.456 min Scan# 21

Delta R.T. -0.440 min

Lab File: BG055980.D

Acq: 15 Dec 2022 17:07

Instrument :

BNA_G

ClientSampleId :

MH-22

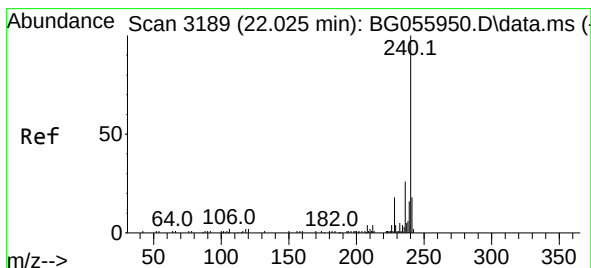
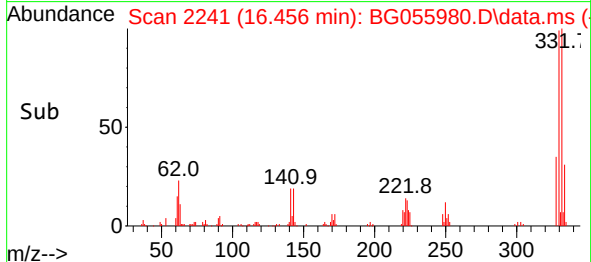
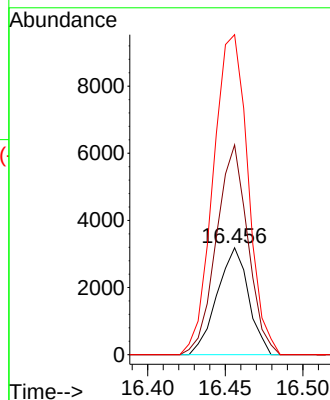
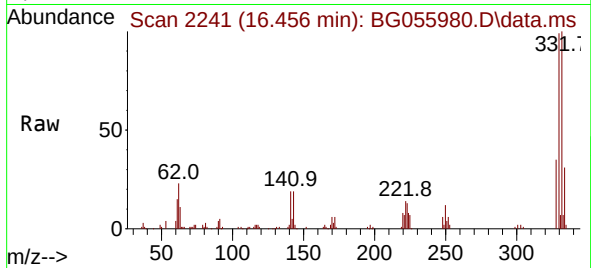
Tgt Ion:248 Resp: 4486

Ion Ratio Lower Upper

248 100

250 196.3 83.0 124.6#

141 299.5 42.6 64.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.020 min Scan# 3188

Delta R.T. -0.005 min

Lab File: BG055980.D

Acq: 15 Dec 2022 17:07

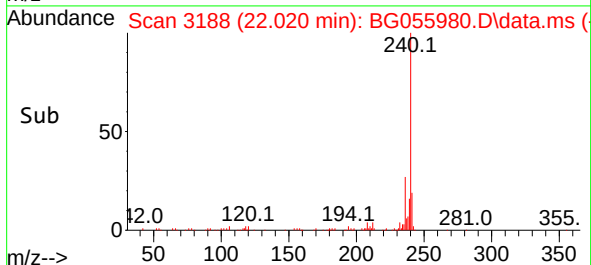
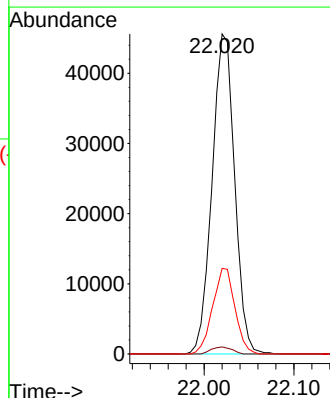
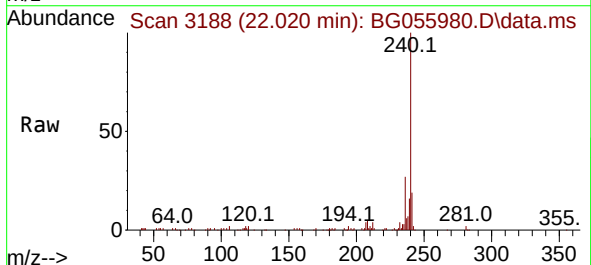
Tgt Ion:240 Resp: 79486

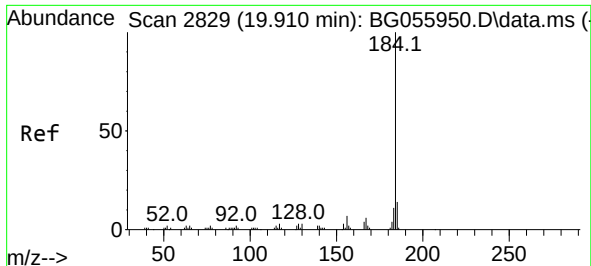
Ion Ratio Lower Upper

240 100

120 2.2 1.7 2.5

236 26.8 21.1 31.7

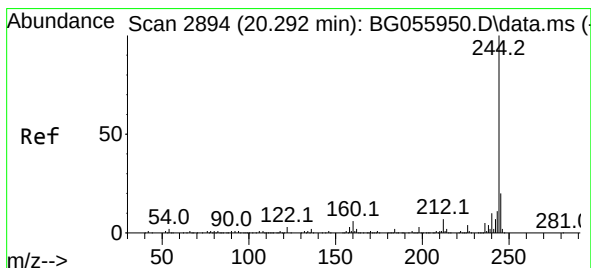
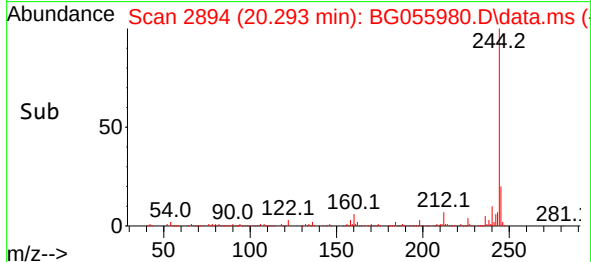
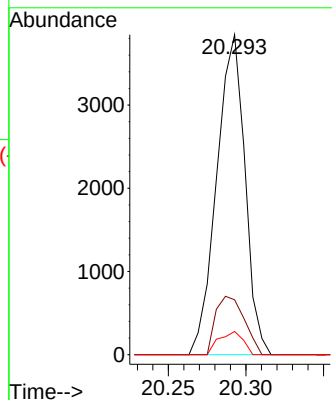
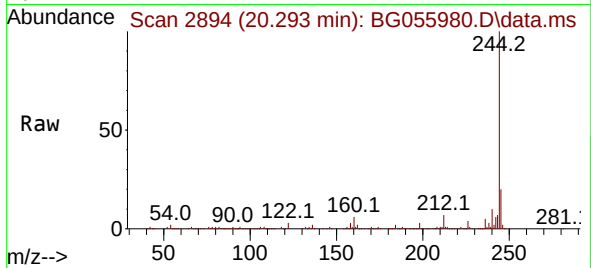




#77
Benzidine
Concen: 3.491 ng
RT: 20.293 min Scan# 2894
Delta R.T. 0.383 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

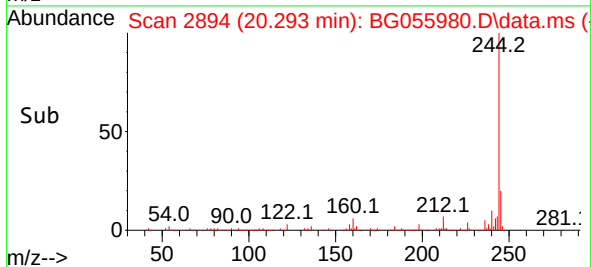
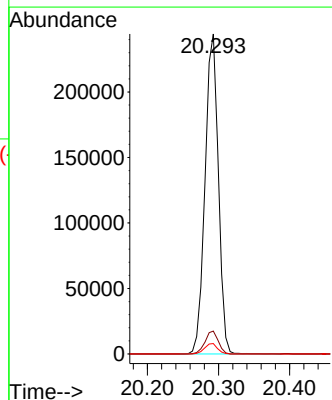
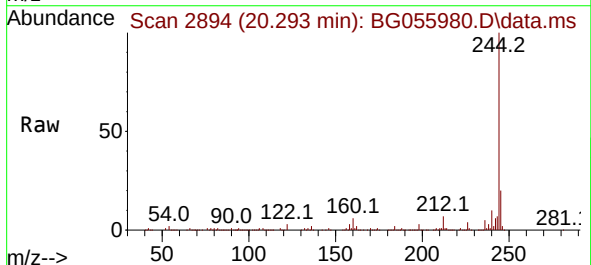
Instrument :
BNA_G
ClientSampleId :
MH-22

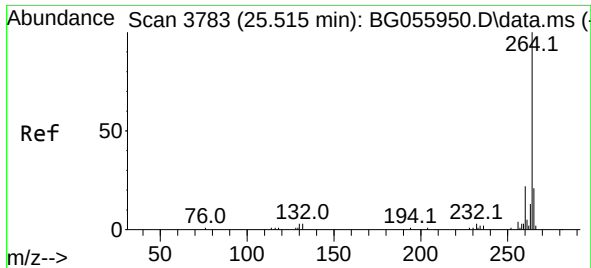
Tgt Ion:184 Resp: 4873
Ion Ratio Lower Upper
184 100
185 17.2 10.9 16.3#
183 7.3 9.2 13.8#



#79
Terphenyl-d14
Concen: 70.909 ng
RT: 20.293 min Scan# 2894
Delta R.T. 0.001 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

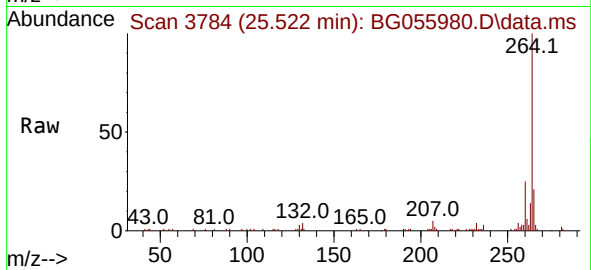
Tgt Ion:244 Resp: 318904
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 3.3 2.5 3.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.522 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG055980.D
Acq: 15 Dec 2022 17:07

Instrument :
BNA_G
ClientSampleId :
MH-22



Tgt Ion:264 Resp: 94698

Ion	Ratio	Lower	Upper
264	100		
260	25.4	17.8	26.8
265	21.1	16.6	25.0

