

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
 Data File : BG056013.D
 Acq On : 19 Dec 2022 14:42
 Operator : CG/JU
 Sample : N6089-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-24

Quant Time: Dec 20 01:06:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 01:01:12 2022
 Response via : Initial Calibration

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

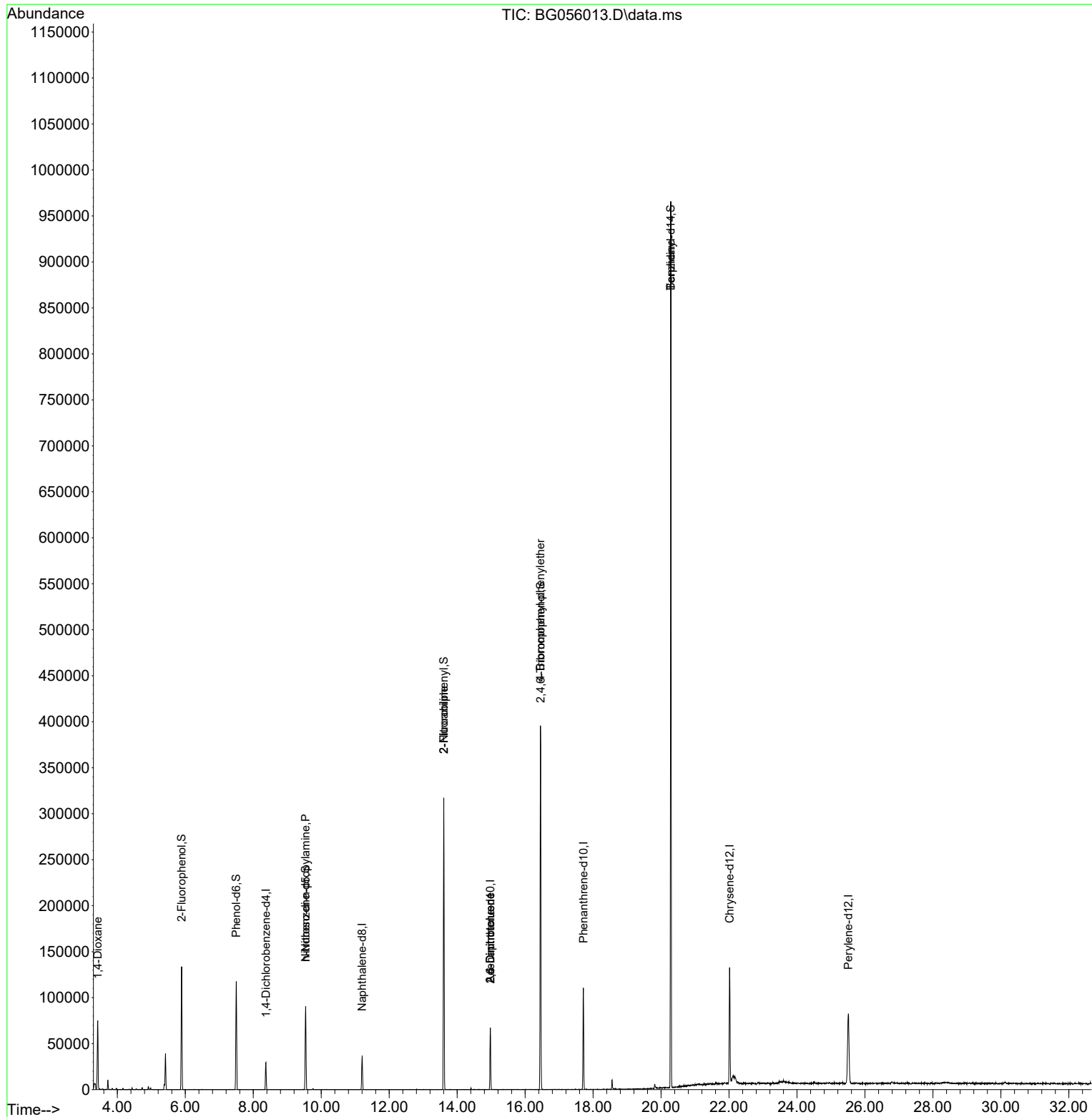
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.370	152	9342	20.000	ng	0.00
21) Naphthalene-d8	11.202	136	33030	20.000	ng	# 0.00
39) Acenaphthene-d10	14.974	164	26636	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	79859	20.000	ng	0.00
76) Chrysene-d12	22.013	240	92770	20.000	ng	#-0.02
86) Perylene-d12	25.509	264	107799	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.891	112	54960	137.969	ng	0.00
7) Phenol-d6	7.495	99	57745	112.710	ng	0.00
23) Nitrobenzene-d5	9.540	82	48067	101.696	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	105486	164.238	ng	0.00
45) 2-Fluorobiphenyl	13.605	172	170799	89.932	ng	0.00
79) Terphenyl-d14	20.286	244	518630	98.806	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.417	88	631	5.443	ng	# 1
19) n-Nitroso-di-n-propyla...	9.540	70	7580	20.641	ng	# 63
48) 2-Nitroaniline	13.605	65	149	3.300	ng	# 1
51) 2,6-Dinitrotoluene	14.974	165	3615	10.144	ng	# 25
57) 2,4-Dinitrotoluene	14.974	165	3615	6.720	ng	# 35
67) 4-Bromophenyl-phenylether	16.449	248	6137	5.244	ng	# 1
77) Benzidine	20.286	184	7796	4.785	ng	# 90

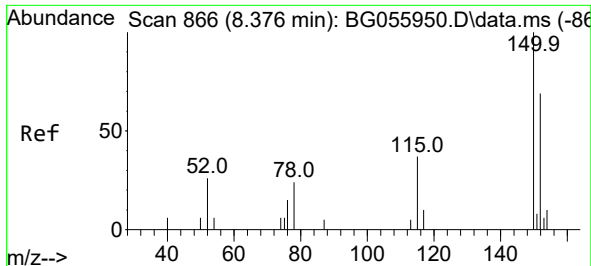
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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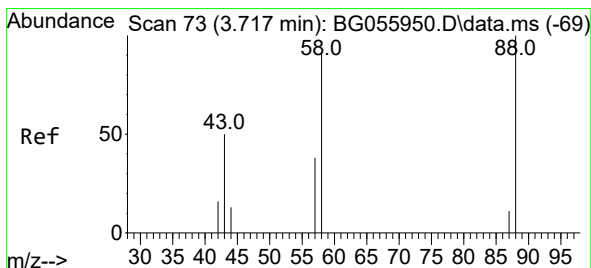
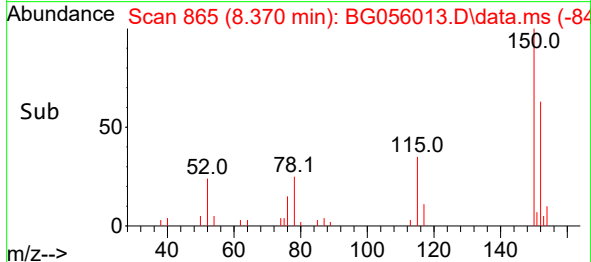
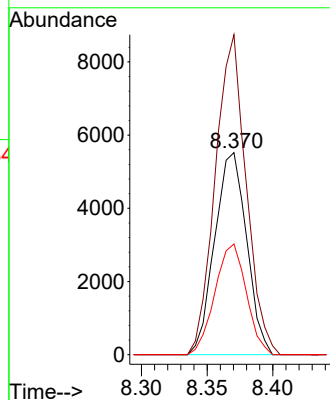
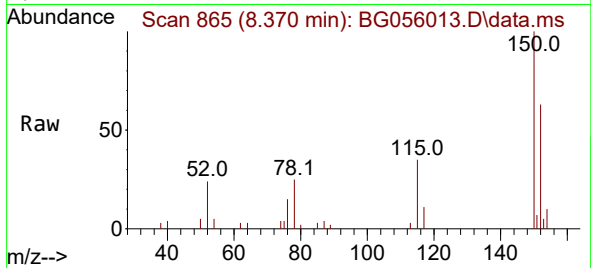




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.370 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: BG056013.D
 Acq: 19 Dec 2022 14:42

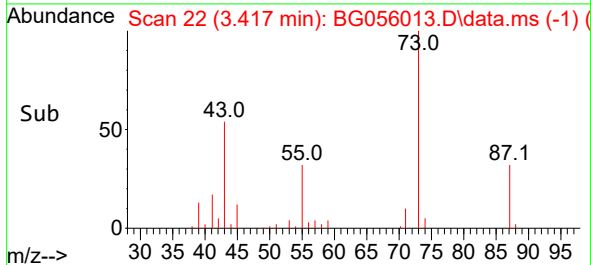
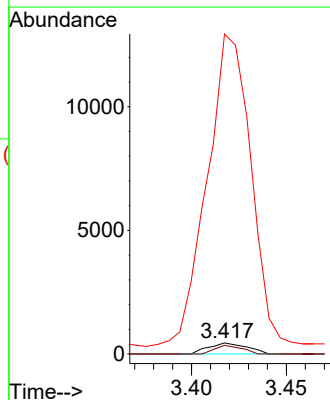
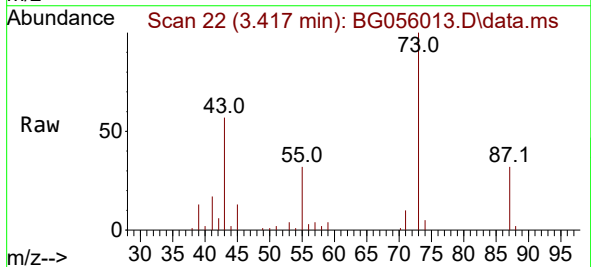
Instrument :
 BNA_G
 ClientSampleId :
 MH-24

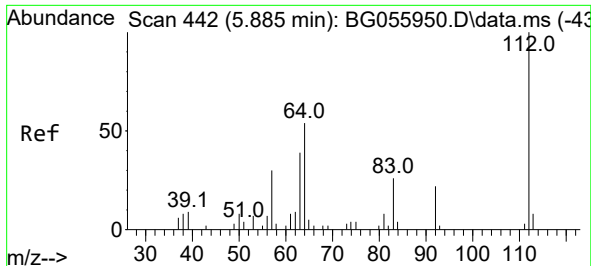
Tgt Ion:152 Resp: 9342
 Ion Ratio Lower Upper
 152 100
 150 158.3 115.7 173.5
 115 54.8 43.0 64.4



#2
 1,4-Dioxane
 Concen: 5.443 ng
 RT: 3.417 min Scan# 22
 Delta R.T. -0.293 min
 Lab File: BG056013.D
 Acq: 19 Dec 2022 14:42

Tgt Ion: 88 Resp: 631
 Ion Ratio Lower Upper
 88 100
 58 54.4 67.0 100.4#
 43 3395.9 45.7 68.5#

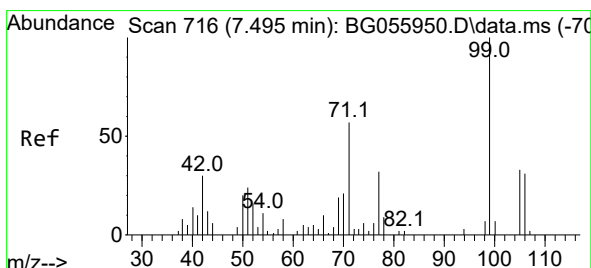
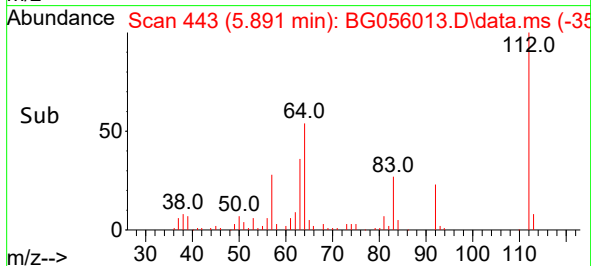
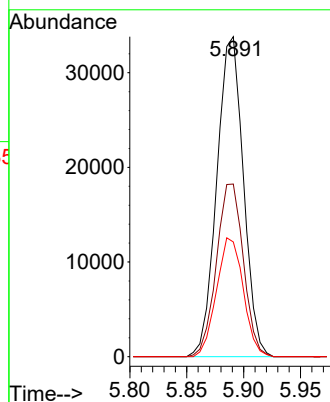
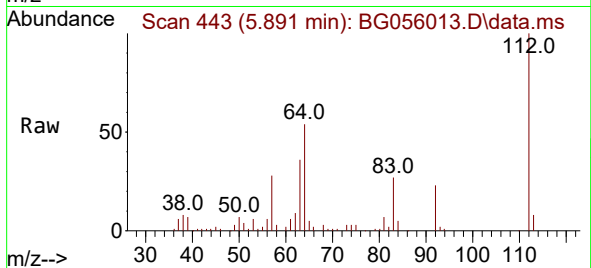




#5
2-Fluorophenol
Concen: 137.969 ng
RT: 5.891 min Scan# 442
Delta R.T. 0.006 min
Lab File: BG056013.D
Acq: 19 Dec 2022 14:42

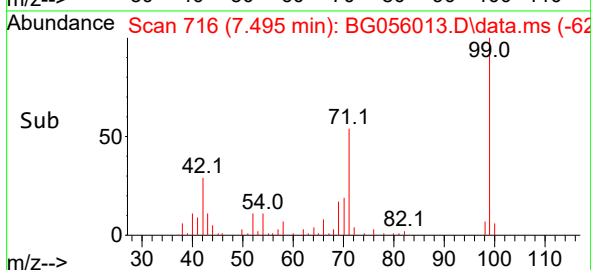
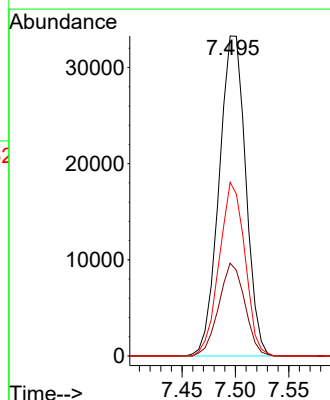
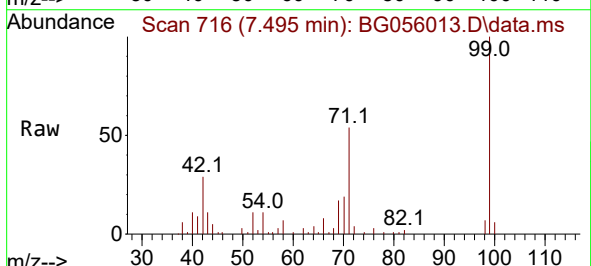
Instrument :
BNA_G
ClientSampleId :
MH-24

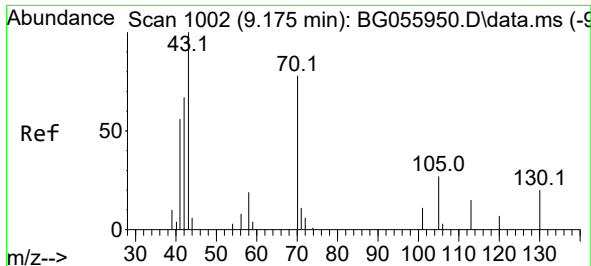
Tgt Ion:112 Resp: 54960
Ion Ratio Lower Upper
112 100
64 54.0 43.0 64.4
63 35.9 31.4 47.2



#7
Phenol-d6
Concen: 112.710 ng
RT: 7.495 min Scan# 716
Delta R.T. 0.001 min
Lab File: BG056013.D
Acq: 19 Dec 2022 14:42

Tgt Ion: 99 Resp: 57745
Ion Ratio Lower Upper
99 100
42 29.0 24.3 36.5
71 54.2 45.6 68.4

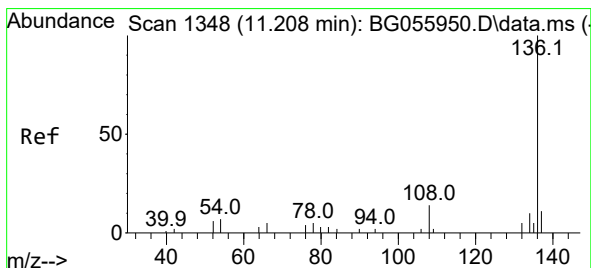
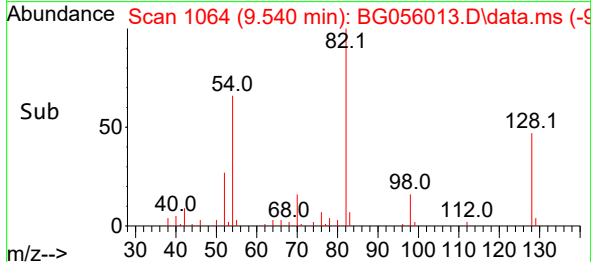
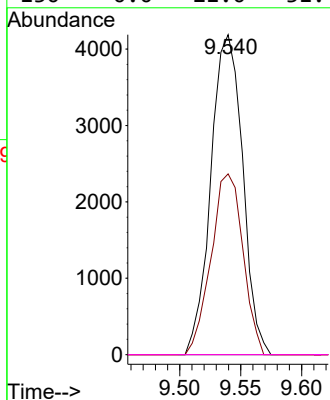
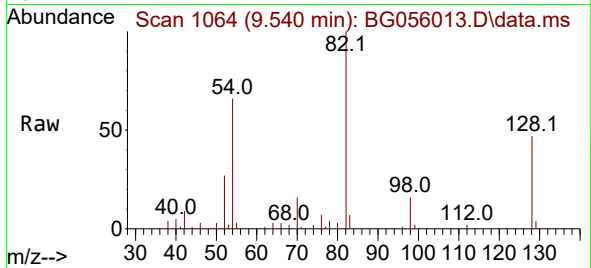




#19
n-Nitroso-di-n-propylamine
Concen: 20.641 ng
RT: 9.540 min Scan# 1064
Delta R.T. 0.365 min
Lab File: BG056013.D
Acq: 19 Dec 2022 14:42

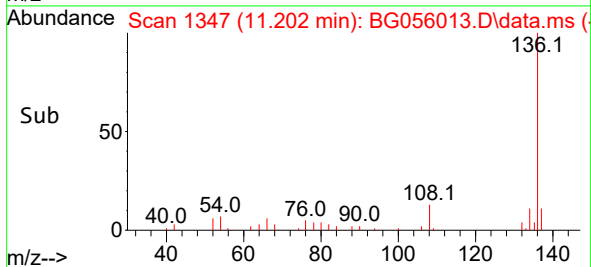
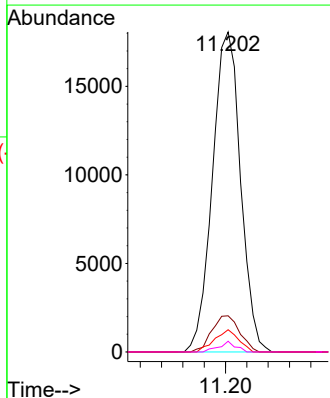
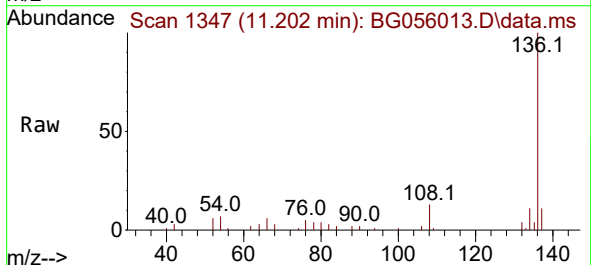
Instrument :
BNA_G
ClientSampleId :
MH-24

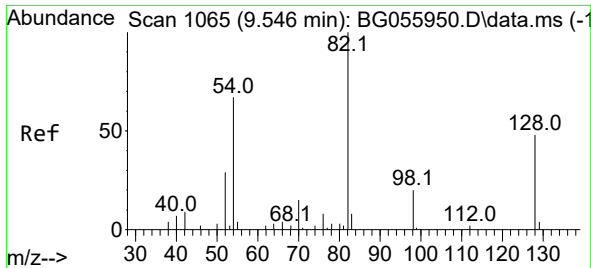
Tgt Ion: 70 Resp: 7580
Ion Ratio Lower Upper
70 100
42 56.5 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.202 min Scan# 1347
Delta R.T. -0.005 min
Lab File: BG056013.D
Acq: 19 Dec 2022 14:42

Tgt Ion: 136 Resp: 33030
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 6.9 5.6 8.4
68 3.4 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 101.696 ng

RT: 9.540 min Scan# 1064

Delta R.T. -0.005 min

Lab File: BG056013.D

Acq: 19 Dec 2022 14:42

Instrument :

BNA_G

ClientSampleId :

MH-24

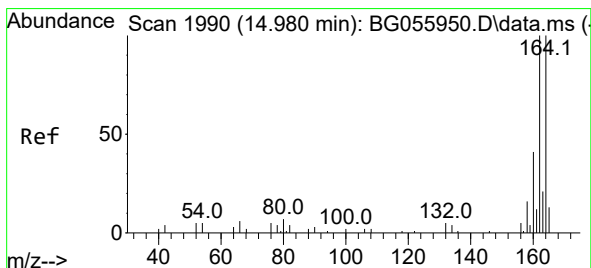
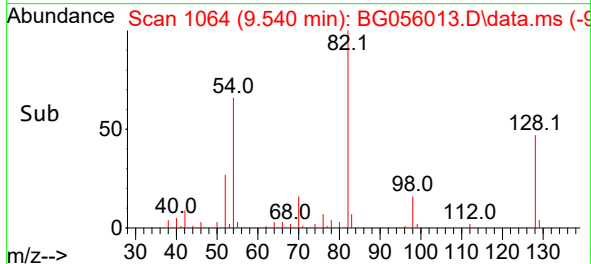
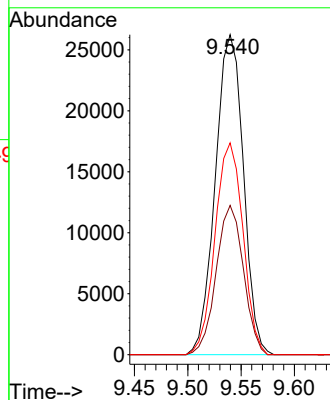
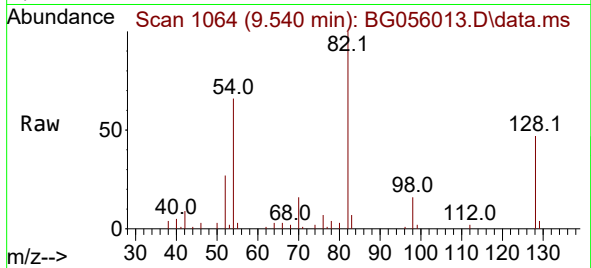
Tgt Ion: 82 Resp: 48067

Ion Ratio Lower Upper

82 100

128 46.7 38.4 57.6

54 66.2 53.3 79.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.974 min Scan# 1989

Delta R.T. -0.005 min

Lab File: BG056013.D

Acq: 19 Dec 2022 14:42

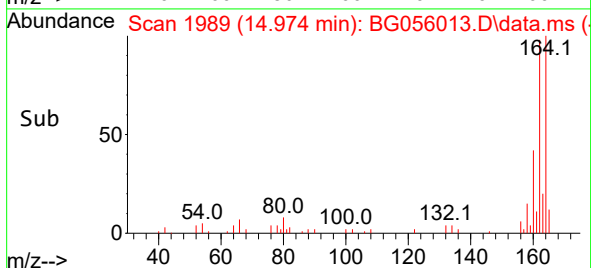
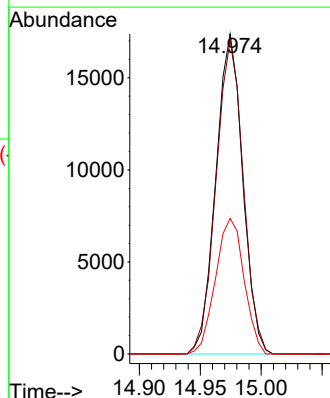
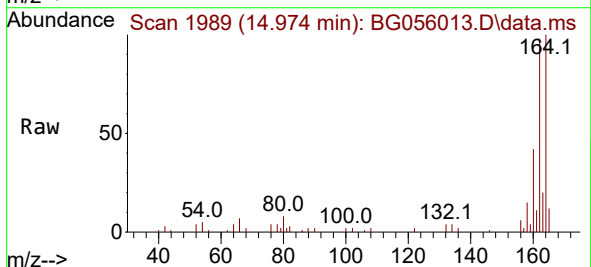
Tgt Ion:164 Resp: 26636

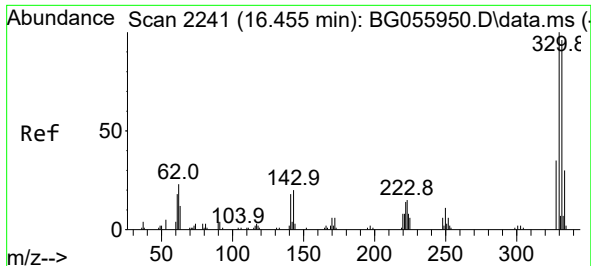
Ion Ratio Lower Upper

164 100

162 98.1 79.8 119.8

160 42.3 33.0 49.4

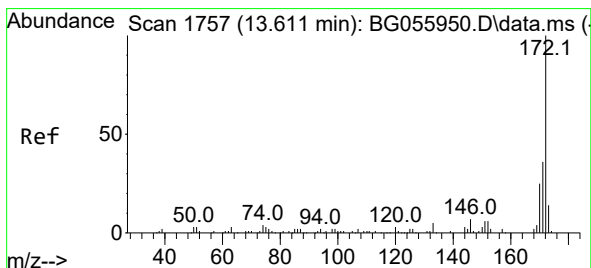
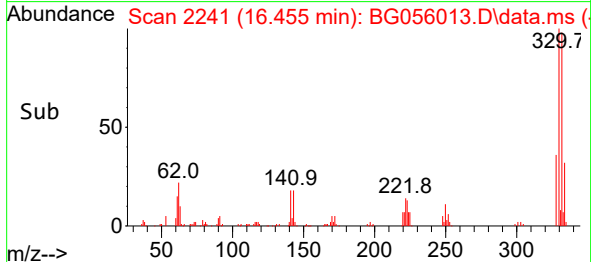
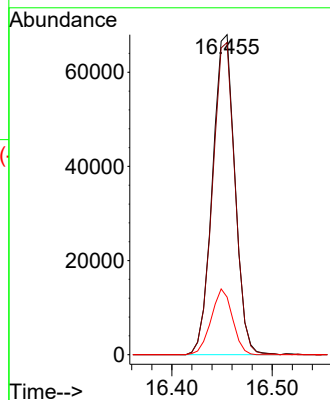
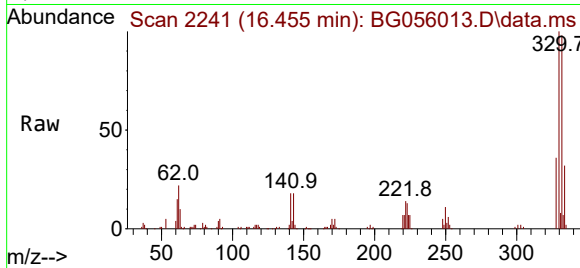




#42
2,4,6-Tribromophenol
Concen: 164.238 ng
RT: 16.455 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056013.D
Acq: 19 Dec 2022 14:42

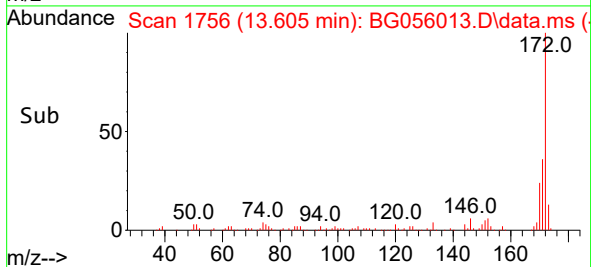
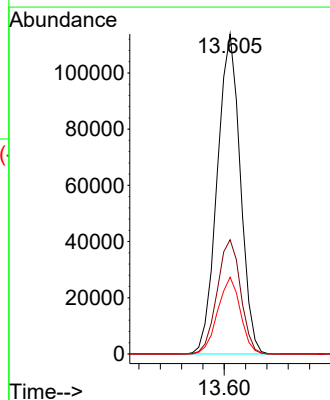
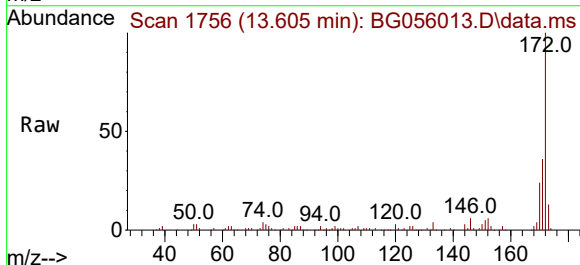
Instrument :
BNA_G
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MH-24

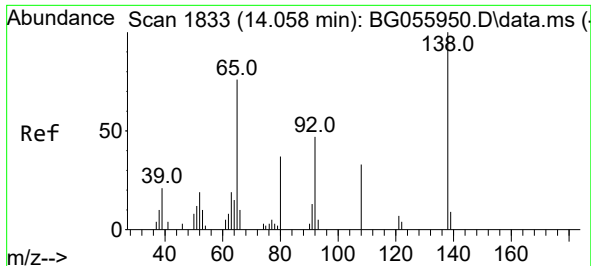
Tgt Ion:330 Resp: 105486
Ion Ratio Lower Upper
330 100
332 97.6 76.6 114.8
141 19.6 15.0 22.4



#45
2-Fluorobiphenyl
Concen: 89.932 ng
RT: 13.605 min Scan# 1756
Delta R.T. -0.005 min
Lab File: BG056013.D
Acq: 19 Dec 2022 14:42

Tgt Ion:172 Resp: 170799
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 24.0 19.9 29.9

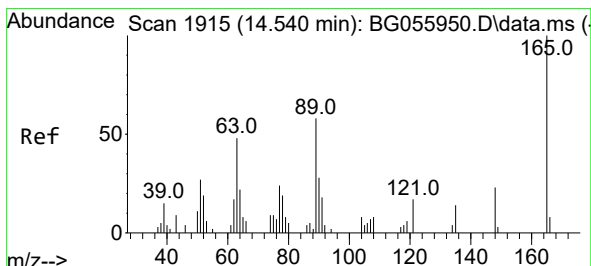
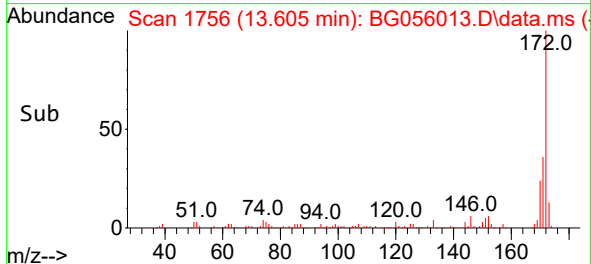
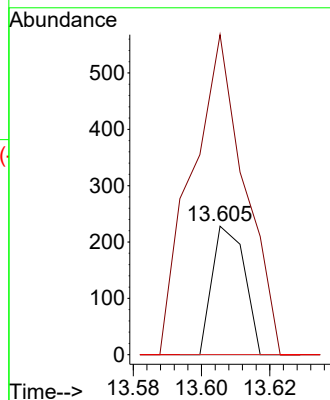
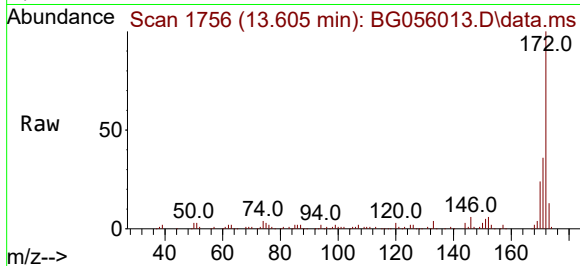




#48
2-Nitroaniline
Concen: 3.300 ng
RT: 13.605 min Scan# 1
Delta R.T. -0.452 min
Lab File: BG056013.D
Acq: 19 Dec 2022 14:42

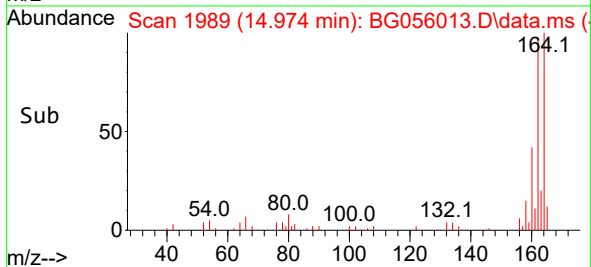
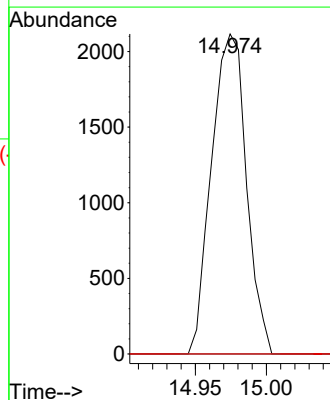
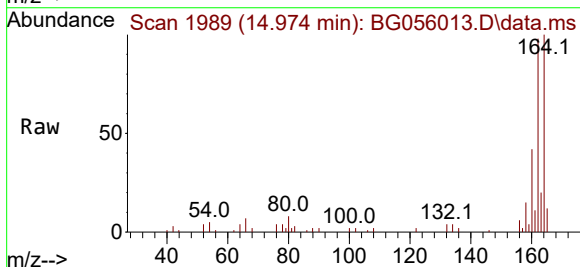
Instrument :
BNA_G
ClientSampleId :
MH-24

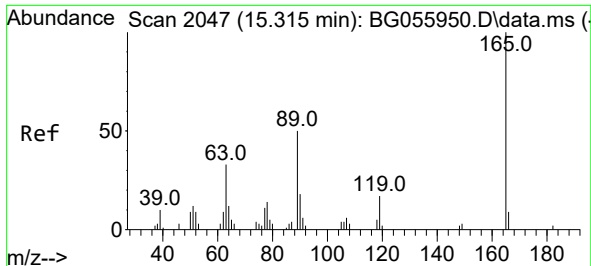
Tgt Ion: 65 Resp: 149
Ion Ratio Lower Upper
65 100
92 249.1 49.7 74.5#
138 0.0 105.0 157.6#



#51
2,6-Dinitrotoluene
Concen: 10.144 ng
RT: 14.974 min Scan# 1989
Delta R.T. 0.435 min
Lab File: BG056013.D
Acq: 19 Dec 2022 14:42

Tgt Ion:165 Resp: 3615
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: 6.720 ng

RT: 14.974 min Scan# 1989

Delta R.T. -0.346 min

Lab File: BG056013.D

Acq: 19 Dec 2022 14:42

Instrument :

BNA_G

ClientSampleId :

MH-24

Tgt Ion:165 Resp: 3615

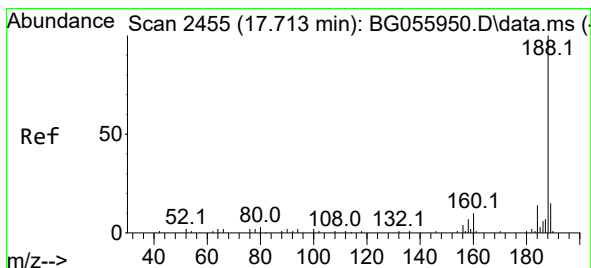
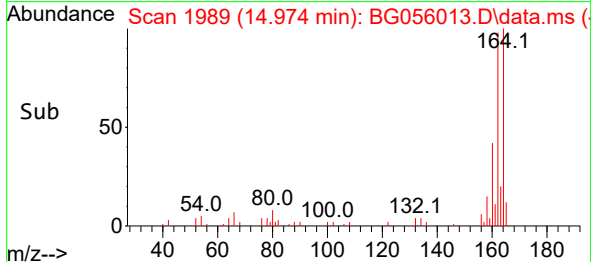
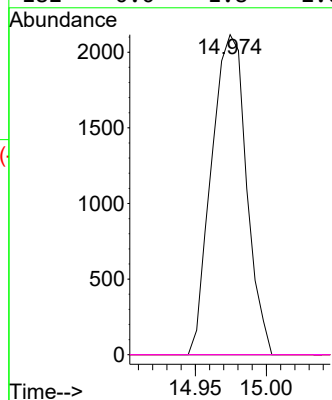
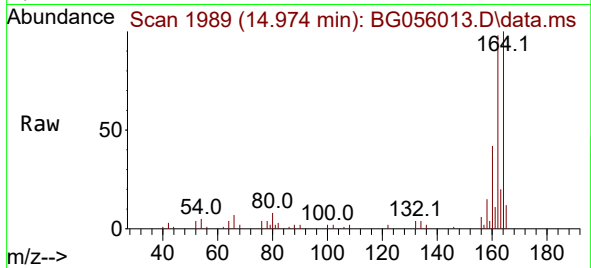
Ion Ratio Lower Upper

165 100

63 0.0 26.6 39.8#

89 0.0 40.1 60.1#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.712 min Scan# 2455

Delta R.T. -0.005 min

Lab File: BG056013.D

Acq: 19 Dec 2022 14:42

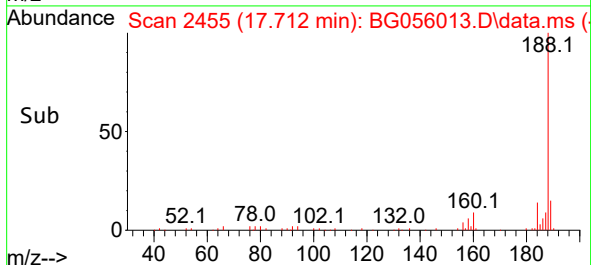
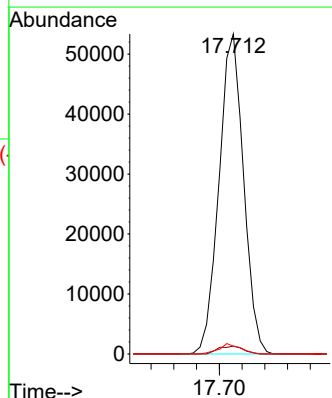
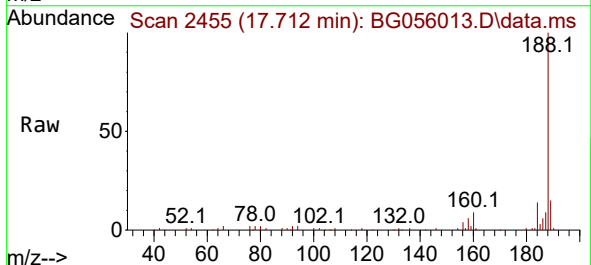
Tgt Ion:188 Resp: 79859

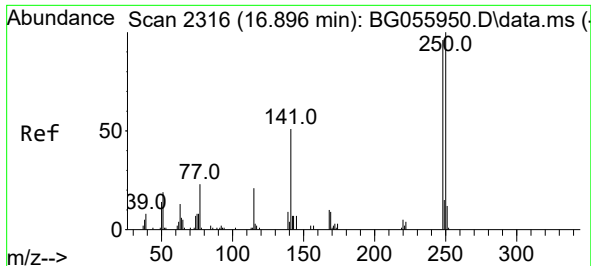
Ion Ratio Lower Upper

188 100

94 2.4 1.8 2.8

80 2.5 2.4 3.6

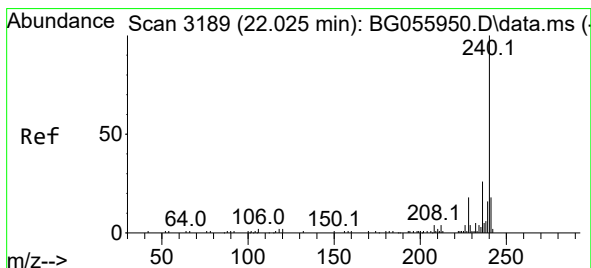
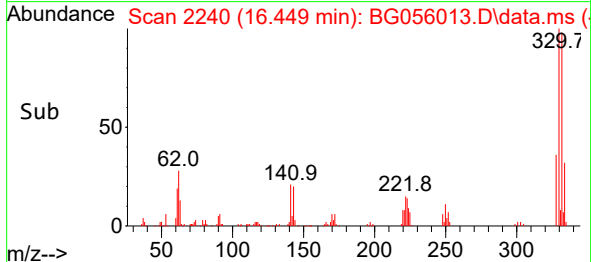
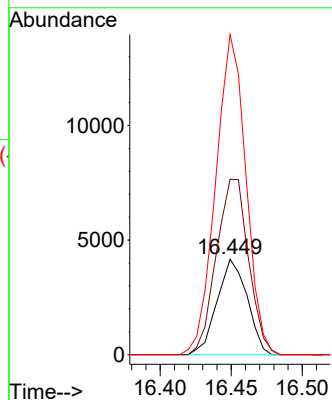
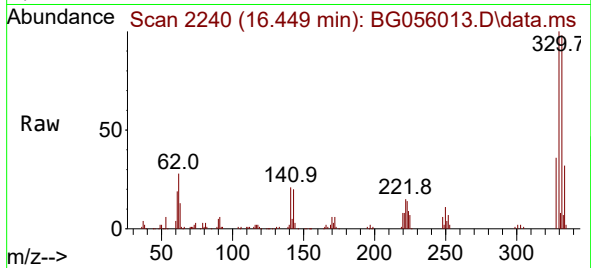




#67
4-Bromophenyl-phenylether
Concen: 5.244 ng
RT: 16.449 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG056013.D
Acq: 19 Dec 2022 14:42

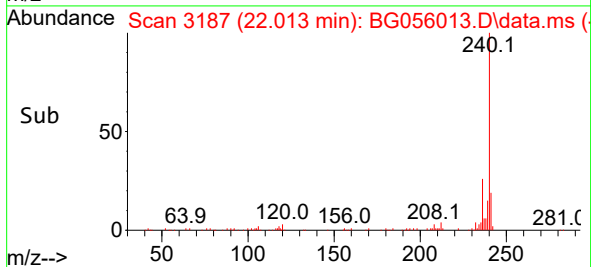
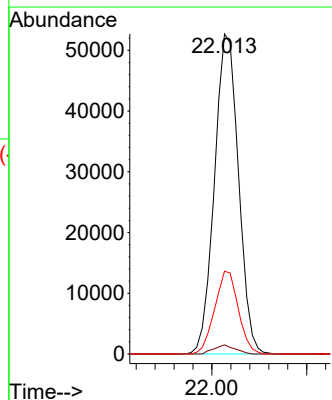
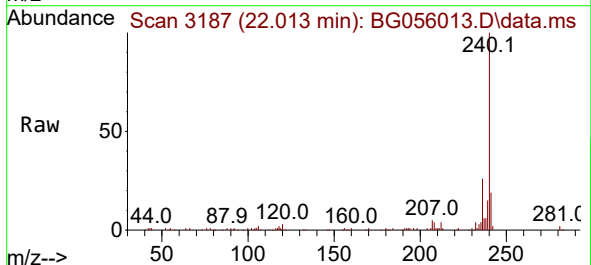
Instrument :
BNA_G
ClientSampleId :
MH-24

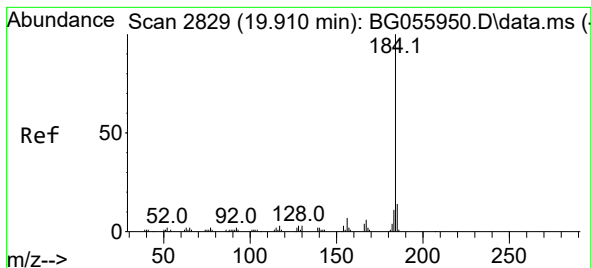
Tgt Ion:248 Resp: 6137
Ion Ratio Lower Upper
248 100
250 183.9 83.0 124.6#
141 335.3 42.6 64.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 3187
Delta R.T. -0.017 min
Lab File: BG056013.D
Acq: 19 Dec 2022 14:42

Tgt Ion:240 Resp: 92770
Ion Ratio Lower Upper
240 100
120 2.9 1.7 2.5#
236 25.8 21.1 31.7





#77

Benzidine

Concen: 4.785 ng

RT: 20.286 min Scan# 2893

Delta R.T. 0.371 min

Lab File: BG056013.D

Acq: 19 Dec 2022 14:42

Instrument :

BNA_G

ClientSampleId :

MH-24

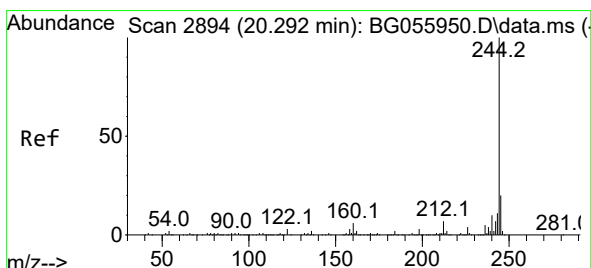
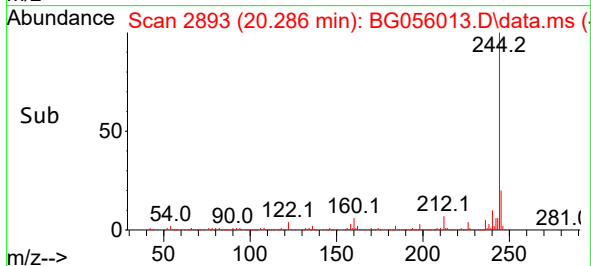
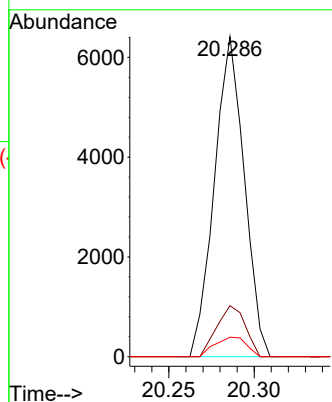
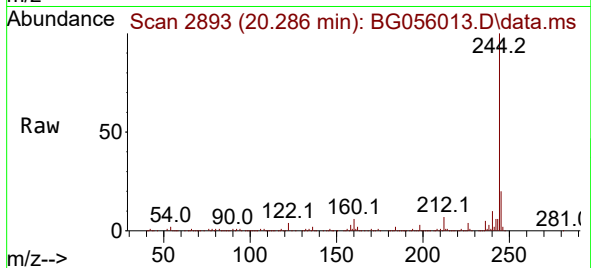
Tgt Ion:184 Resp: 7796

Ion Ratio Lower Upper

184 100

185 16.0 10.9 16.3

183 6.1 9.2 13.8#



#79

Terphenyl-d14

Concen: 98.806 ng

RT: 20.286 min Scan# 2893

Delta R.T. -0.005 min

Lab File: BG056013.D

Acq: 19 Dec 2022 14:42

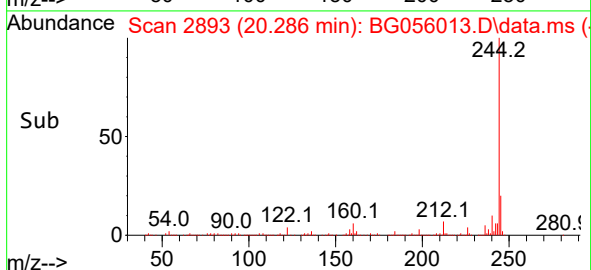
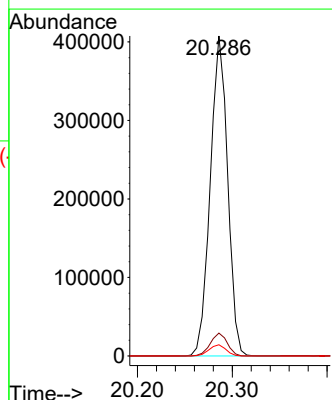
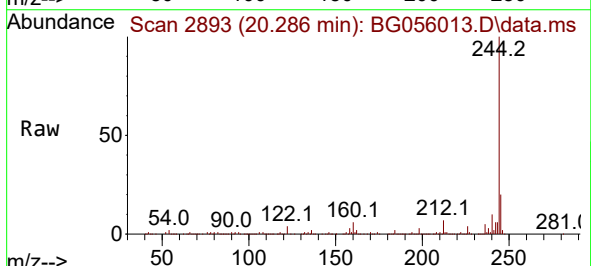
Tgt Ion:244 Resp: 518630

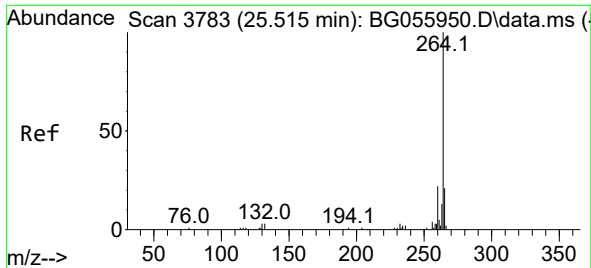
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 3.5 2.5 3.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.509 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG056013.D
Acq: 19 Dec 2022 14:42

Instrument :
BNA_G
ClientSampleId :
MH-24

Tgt Ion:264 Resp: 107799
Ion Ratio Lower Upper
264 100
260 23.0 17.8 26.8
265 21.1 16.6 25.0

