

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
 Data File : BG055969.D
 Acq On : 14 Dec 2022 21:31
 Operator : CG/JU
 Sample : N5995-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1282022-B1-S1

Quant Time: Dec 15 00:52:49 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)

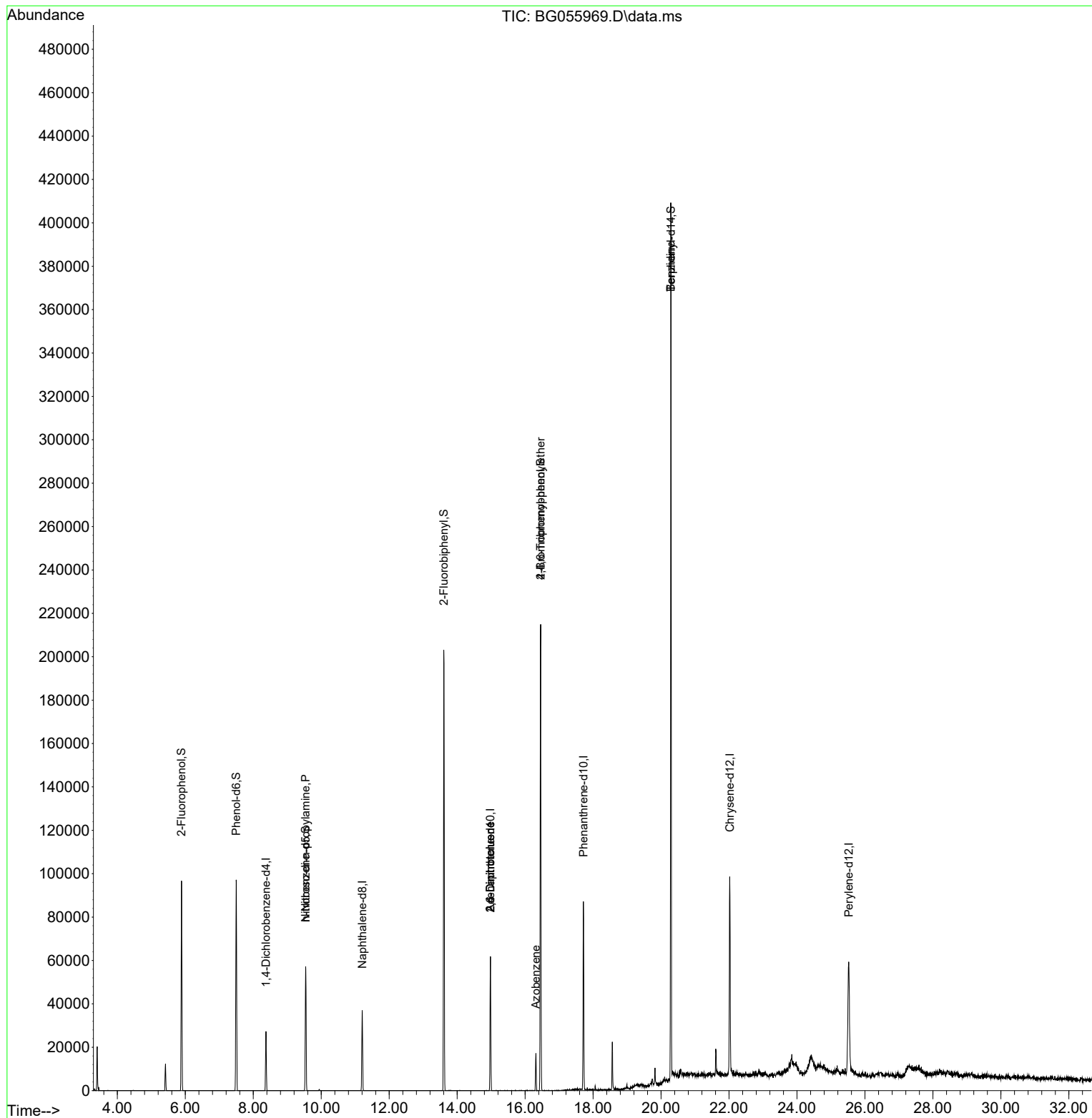
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.371	152	8550	20.000	ng	0.00
21) Naphthalene-d8	11.208	136	32625	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	25365	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	62882	20.000	ng	0.00
76) Chrysene-d12	22.019	240	65134	20.000	ng	0.00
86) Perylene-d12	25.521	264	80046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.885	112	38784	106.381	ng	0.00
7) Phenol-d6	7.495	99	47149	100.553	ng	0.00
23) Nitrobenzene-d5	9.540	82	31092	66.598	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	60174	98.384	ng	0.00
45) 2-Fluorobiphenyl	13.606	172	115601	63.918	ng	0.00
79) Terphenyl-d14	20.292	244	223705	60.702	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.540	70	5115	15.219	ng	# 67
51) 2,6-Dinitrotoluene	14.975	165	3483	10.264	ng	# 25
57) 2,4-Dinitrotoluene	14.975	165	3483	6.799	ng	# 35
63) Azobenzene	16.314	77	4969	3.809	ng	# 20
67) 4-Bromophenyl-phenylether	16.455	248	3433	3.726	ng	# 1
77) Benzidine	20.286	184	3555	3.108	ng	# 91

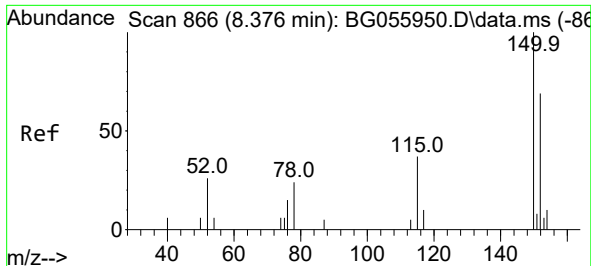
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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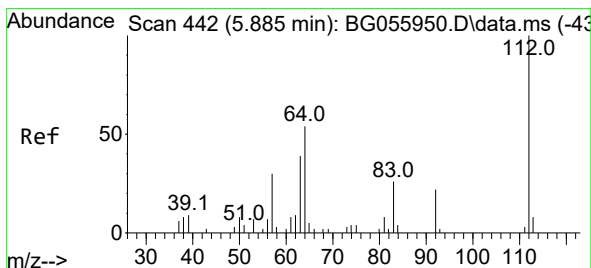
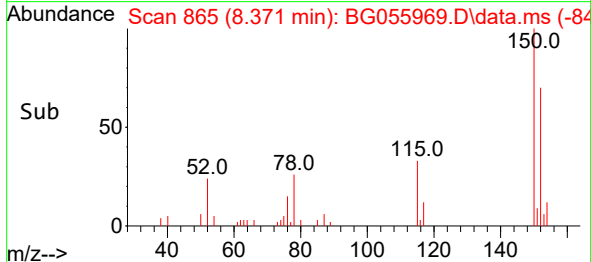
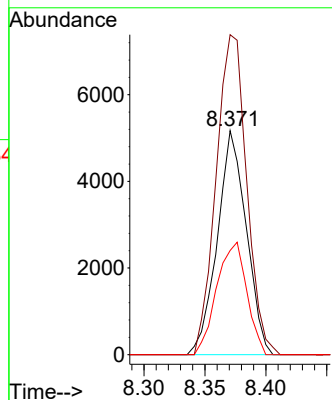
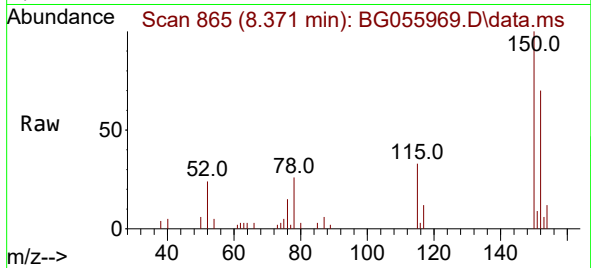




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.371 min Scan# 866
Delta R.T. -0.005 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

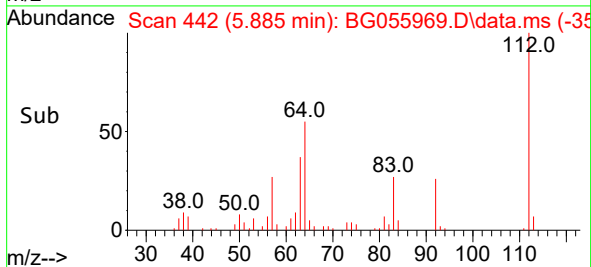
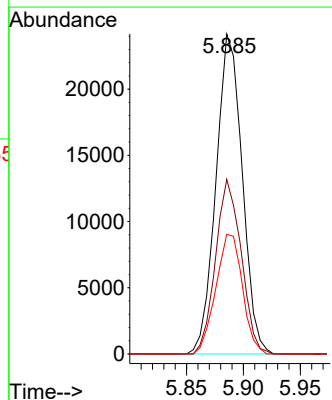
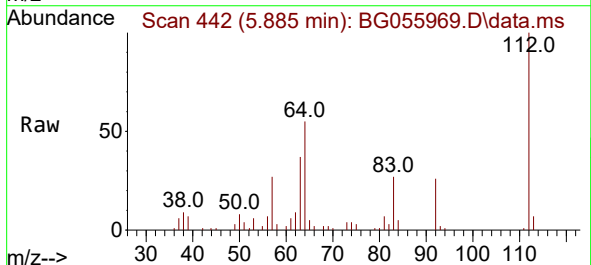
Instrument :
BNA_G
ClientSampleId :
1282022-B1-S1

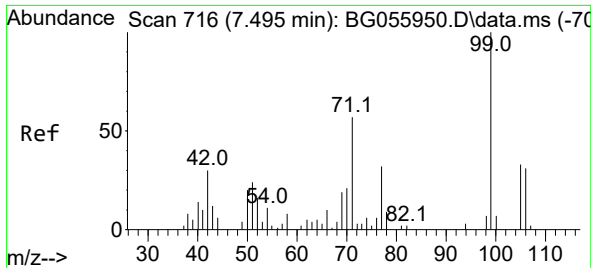
Tgt Ion:152 Resp: 8550
Ion Ratio Lower Upper
152 100
150 142.9 115.7 173.5
115 46.5 43.0 64.4



#5
2-Fluorophenol
Concen: 106.381 ng
RT: 5.885 min Scan# 442
Delta R.T. 0.000 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

Tgt Ion:112 Resp: 38784
Ion Ratio Lower Upper
112 100
64 54.5 43.0 64.4
63 37.4 31.4 47.2

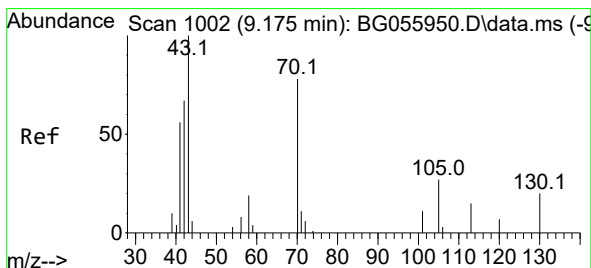
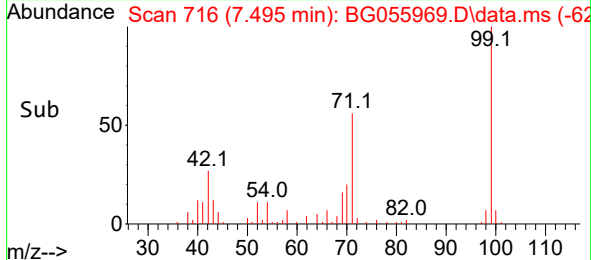
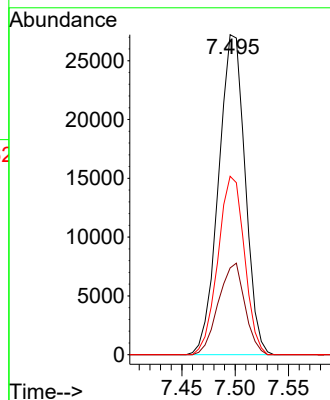
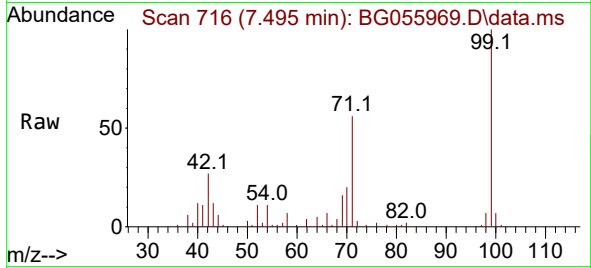




#7
Phenol-d6
Concen: 100.553 ng
RT: 7.495 min Scan# 716
Delta R.T. 0.000 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

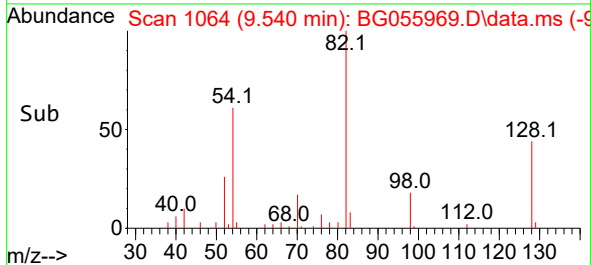
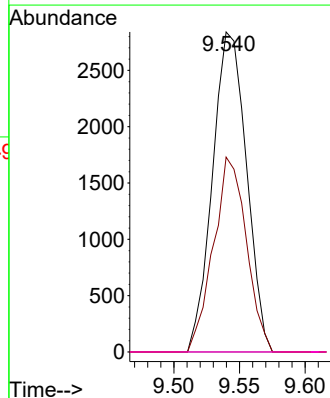
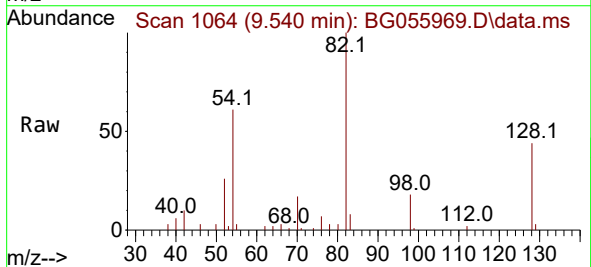
Instrument :
BNA_G
ClientSampleId :
1282022-B1-S1

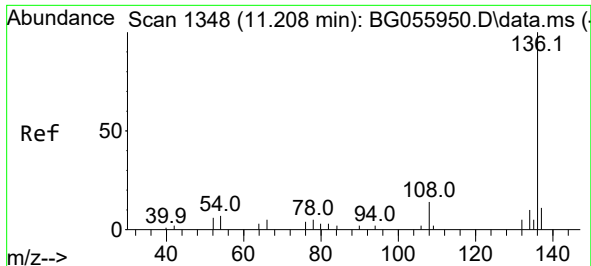
Tgt Ion: 99 Resp: 47149
Ion Ratio Lower Upper
99 100
42 27.1 24.3 36.5
71 55.8 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.219 ng
RT: 9.540 min Scan# 1064
Delta R.T. 0.364 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

Tgt Ion: 70 Resp: 5115
Ion Ratio Lower Upper
70 100
42 60.9 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

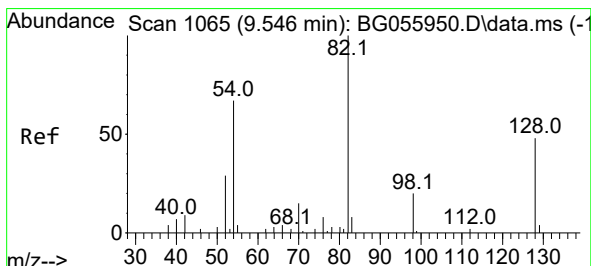
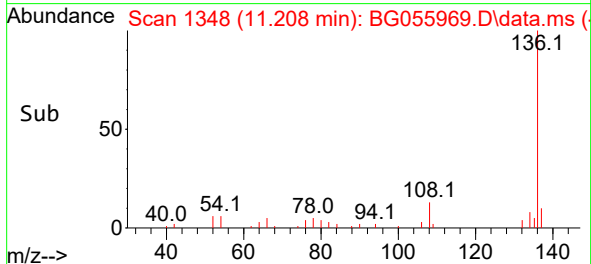
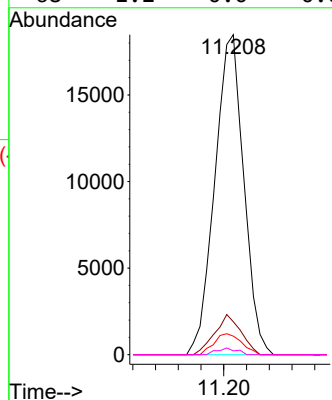
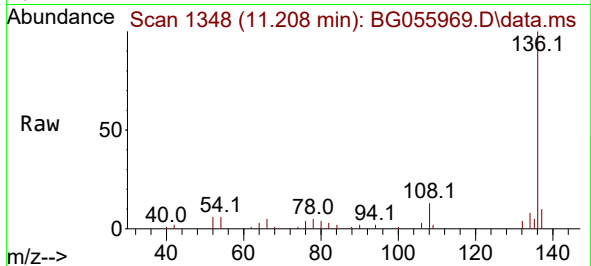




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.208 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

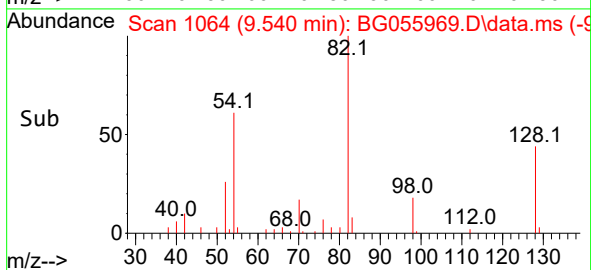
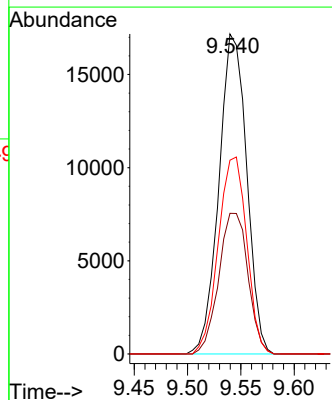
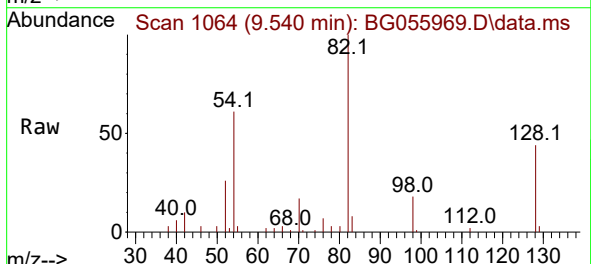
Instrument :
BNA_G
ClientSampleId :
1282022-B1-S1

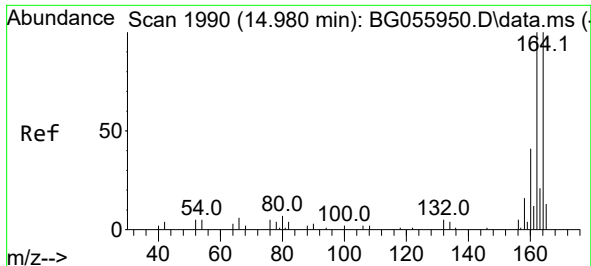
Tgt Ion:136 Resp: 32625
Ion Ratio Lower Upper
136 100
137 10.3 9.2 13.8
54 5.8 5.6 8.4
68 1.2 0.0 0.0#



#23
Nitrobenzene-d5
Concen: 66.598 ng
RT: 9.540 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

Tgt Ion: 82 Resp: 31092
Ion Ratio Lower Upper
82 100
128 43.9 38.4 57.6
54 60.5 53.3 79.9

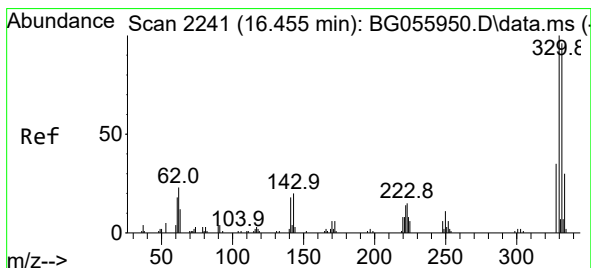
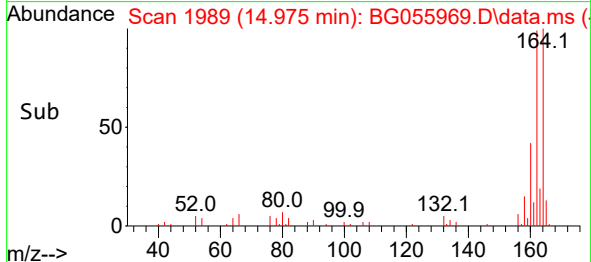
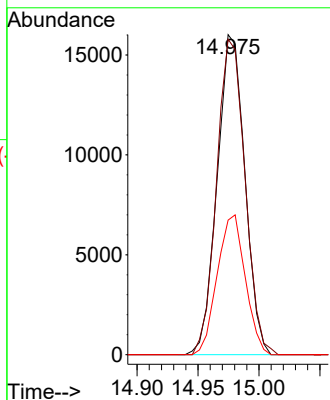
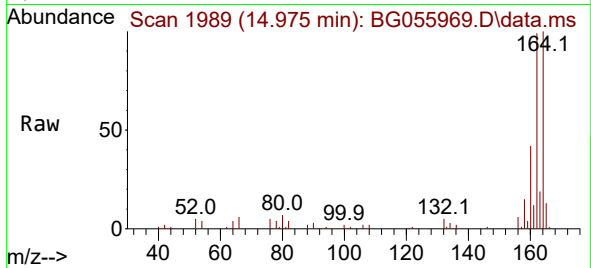




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

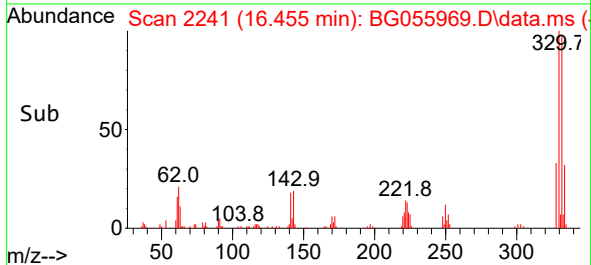
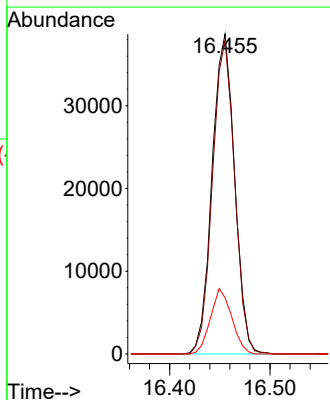
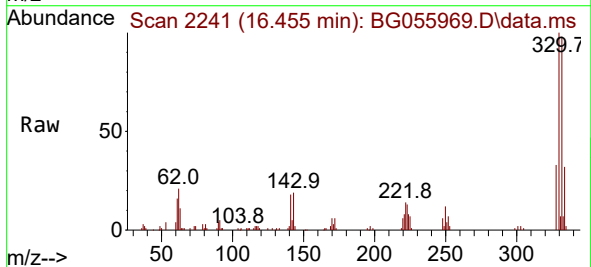
Instrument :
BNA_G
ClientSampleId :
1282022-B1-S1

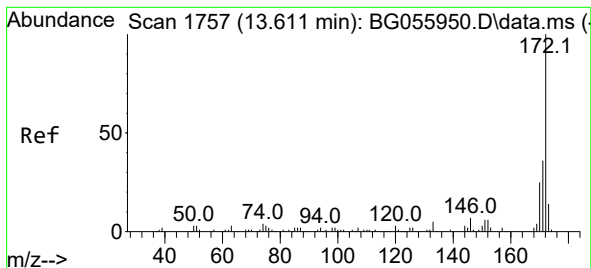
Tgt Ion:164 Resp: 25365
Ion Ratio Lower Upper
164 100
162 98.5 79.8 119.8
160 42.0 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 98.384 ng
RT: 16.455 min Scan# 2241
Delta R.T. 0.000 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

Tgt Ion:330 Resp: 60174
Ion Ratio Lower Upper
330 100
332 96.2 76.6 114.8
141 19.3 15.0 22.4





#45

2-Fluorobiphenyl

Concen: 63.918 ng

RT: 13.606 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG055969.D

Acq: 14 Dec 2022 21:31

Instrument :

BNA_G

ClientSampleId :

1282022-B1-S1

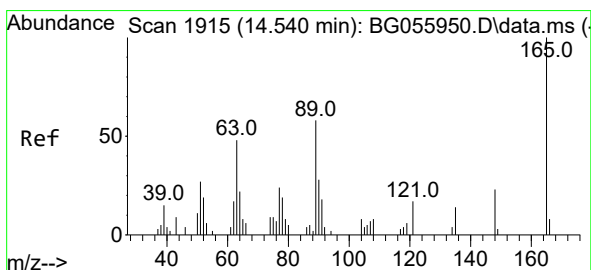
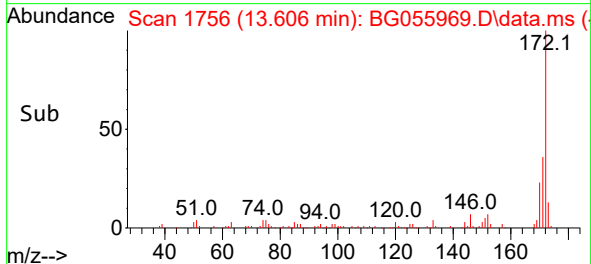
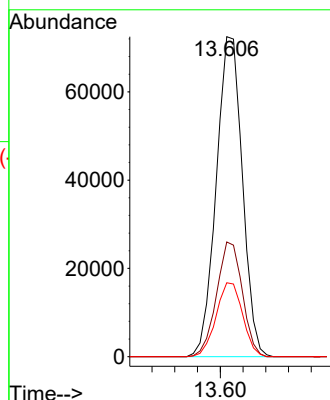
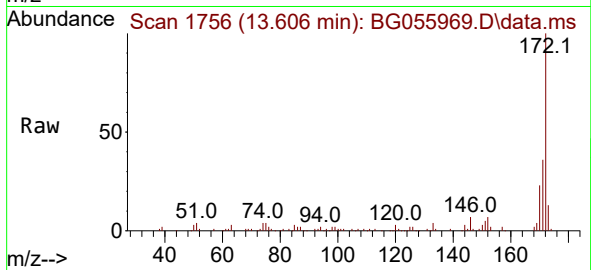
Tgt Ion:172 Resp: 115601

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.1 19.9 29.9



#51

2,6-Dinitrotoluene

Concen: 10.264 ng

RT: 14.975 min Scan# 1989

Delta R.T. 0.435 min

Lab File: BG055969.D

Acq: 14 Dec 2022 21:31

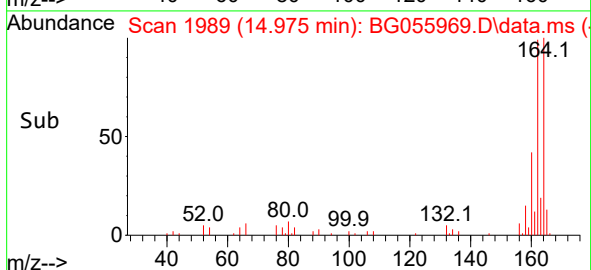
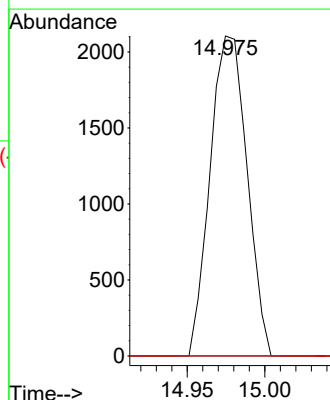
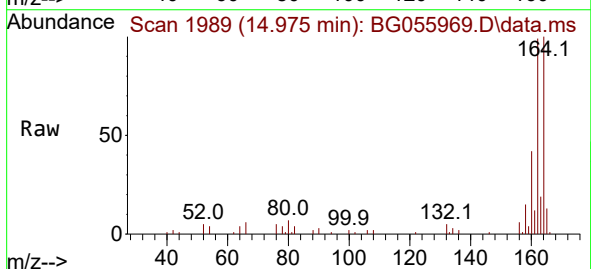
Tgt Ion:165 Resp: 3483

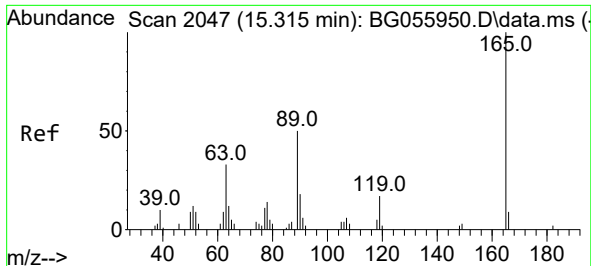
Ion Ratio Lower Upper

165 100

63 0.0 38.3 57.5#

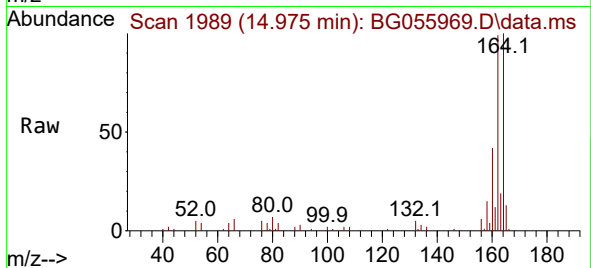
89 0.0 46.3 69.5#



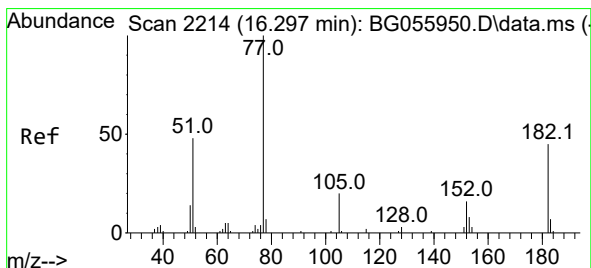
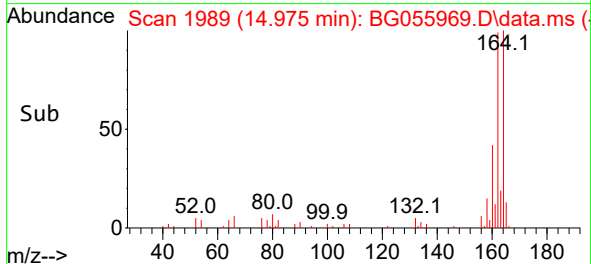
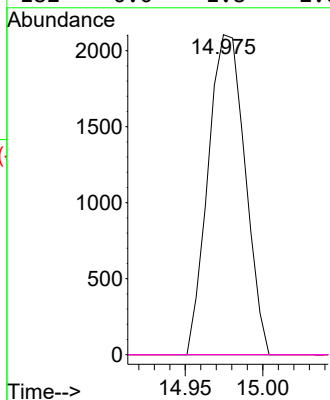


#57
2,4-Dinitrotoluene
Concen: 6.799 ng
RT: 14.975 min Scan# 1989
Delta R.T. -0.341 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

Instrument :
BNA_G
ClientSampleId :
1282022-B1-S1

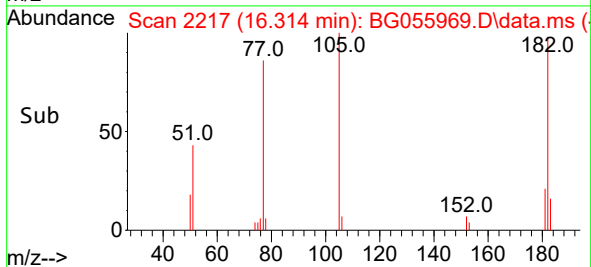
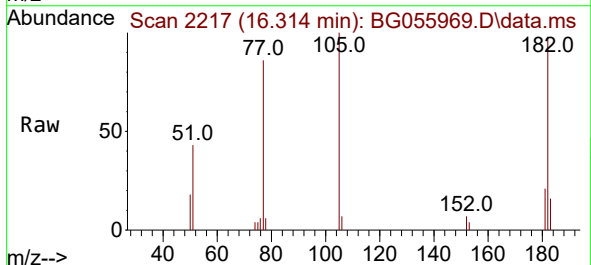
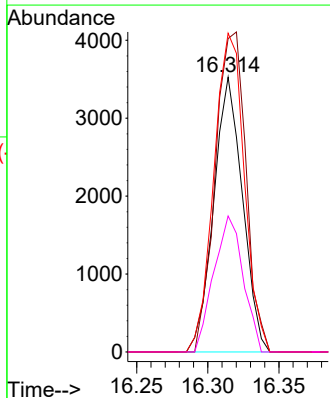


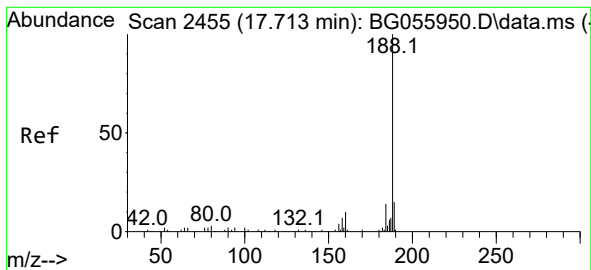
Tgt Ion:165 Resp: 3483
Ion Ratio Lower Upper
165 100
63 0.0 26.6 39.8#
89 0.0 40.1 60.1#
182 0.0 1.8 2.6#



#63
Azobenzene
Concen: 3.809 ng
RT: 16.314 min Scan# 2217
Delta R.T. 0.018 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

Tgt Ion: 77 Resp: 4969
Ion Ratio Lower Upper
77 100
182 114.1 24.7 64.7#
105 116.0 0.3 40.3#
51 49.5 28.4 68.4

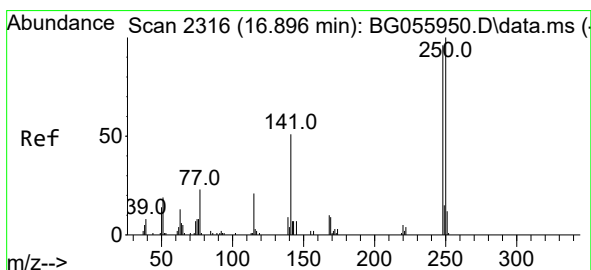
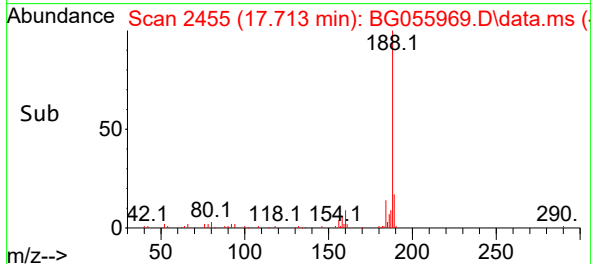
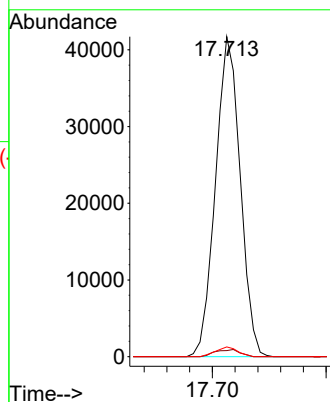
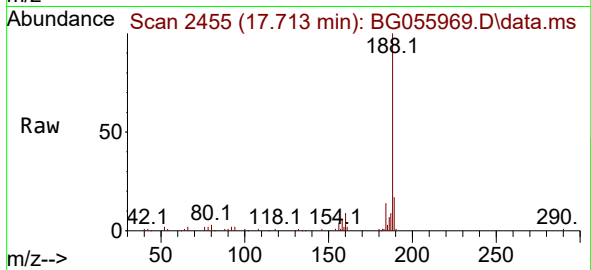




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2455
Delta R.T. 0.000 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

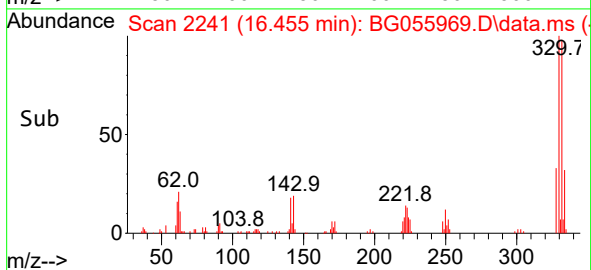
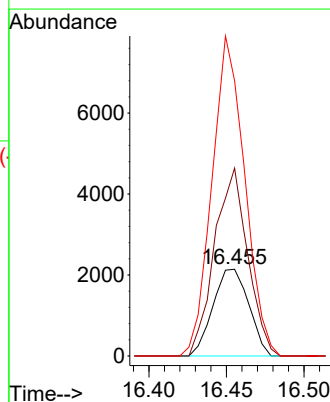
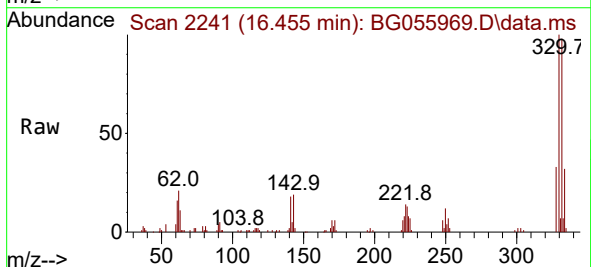
Instrument :
BNA_G
ClientSampleId :
1282022-B1-S1

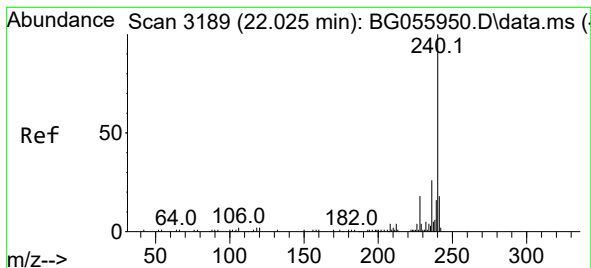
Tgt Ion:188 Resp: 62882
Ion Ratio Lower Upper
188 100
94 1.9 1.8 2.8
80 3.1 2.4 3.6



#67
4-Bromophenyl-phenylether
Concen: 3.726 ng
RT: 16.455 min Scan# 2241
Delta R.T. -0.441 min
Lab File: BG055969.D
Acq: 14 Dec 2022 21:31

Tgt Ion:248 Resp: 3433
Ion Ratio Lower Upper
248 100
250 216.5 83.0 124.6#
141 317.0 42.6 64.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.019 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG055969.D

Acq: 14 Dec 2022 21:31

Instrument :

BNA_G

ClientSampleId :

1282022-B1-S1

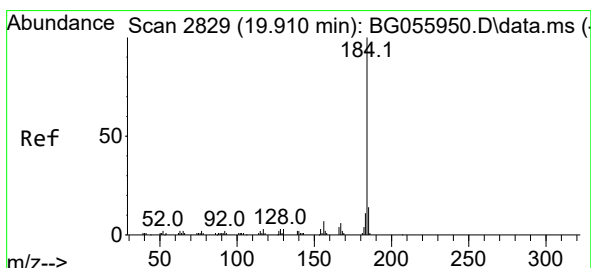
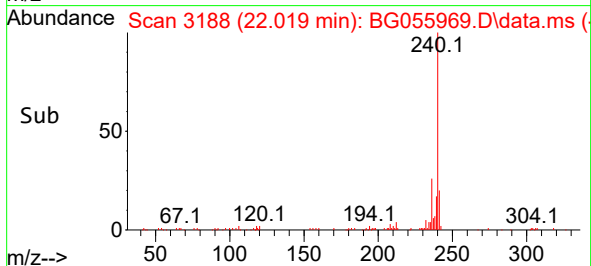
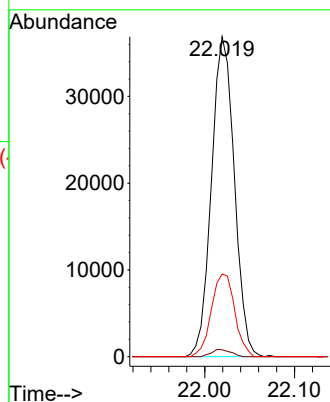
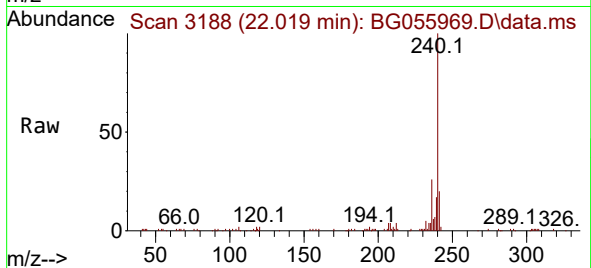
Tgt Ion:240 Resp: 65134

Ion Ratio Lower Upper

240 100

120 2.2 1.7 2.5

236 25.9 21.1 31.7



#77

Benzidine

Concen: 3.108 ng

RT: 20.286 min Scan# 2893

Delta R.T. 0.376 min

Lab File: BG055969.D

Acq: 14 Dec 2022 21:31

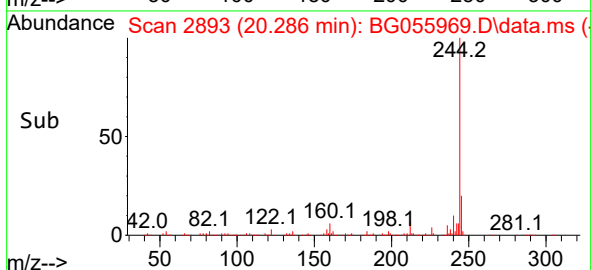
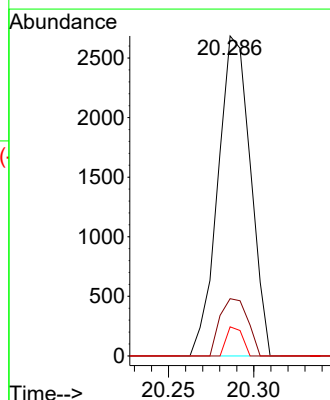
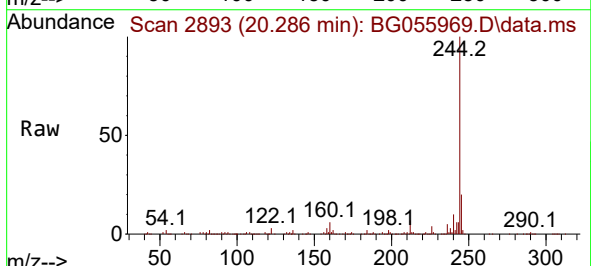
Tgt Ion:184 Resp: 3555

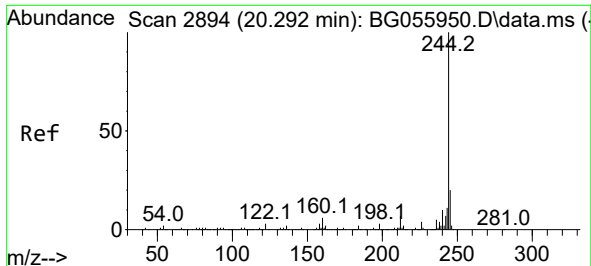
Ion Ratio Lower Upper

184 100

185 17.9 10.9 16.3#

183 9.1 9.2 13.8#

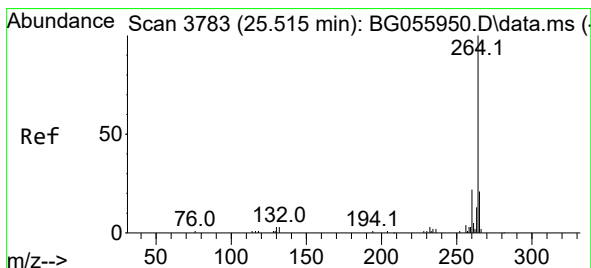
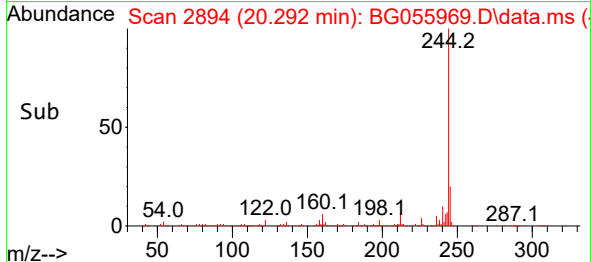
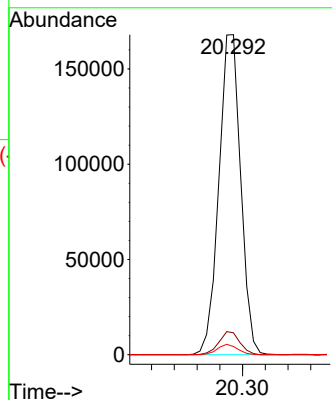
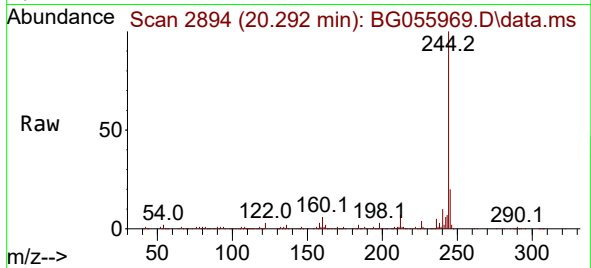




#79
 Terphenyl-d14
 Concen: 60.702 ng
 RT: 20.292 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG055969.D
 Acq: 14 Dec 2022 21:31

Instrument :
 BNA_G
 ClientSampleId :
 1282022-B1-S1

Tgt Ion:244 Resp: 223705
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 2.6 2.5 3.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.521 min Scan# 3784
 Delta R.T. 0.006 min
 Lab File: BG055969.D
 Acq: 14 Dec 2022 21:31

Tgt Ion:264 Resp: 80046
 Ion Ratio Lower Upper
 264 100
 260 24.2 17.8 26.8
 265 21.8 16.6 25.0

