

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101722\
 Data File : BG055194.D
 Acq On : 17 Oct 2022 15:58
 Operator : CG/JU
 Sample : N5151-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 256317-5

Quant Time: Oct 17 16:51:44 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)

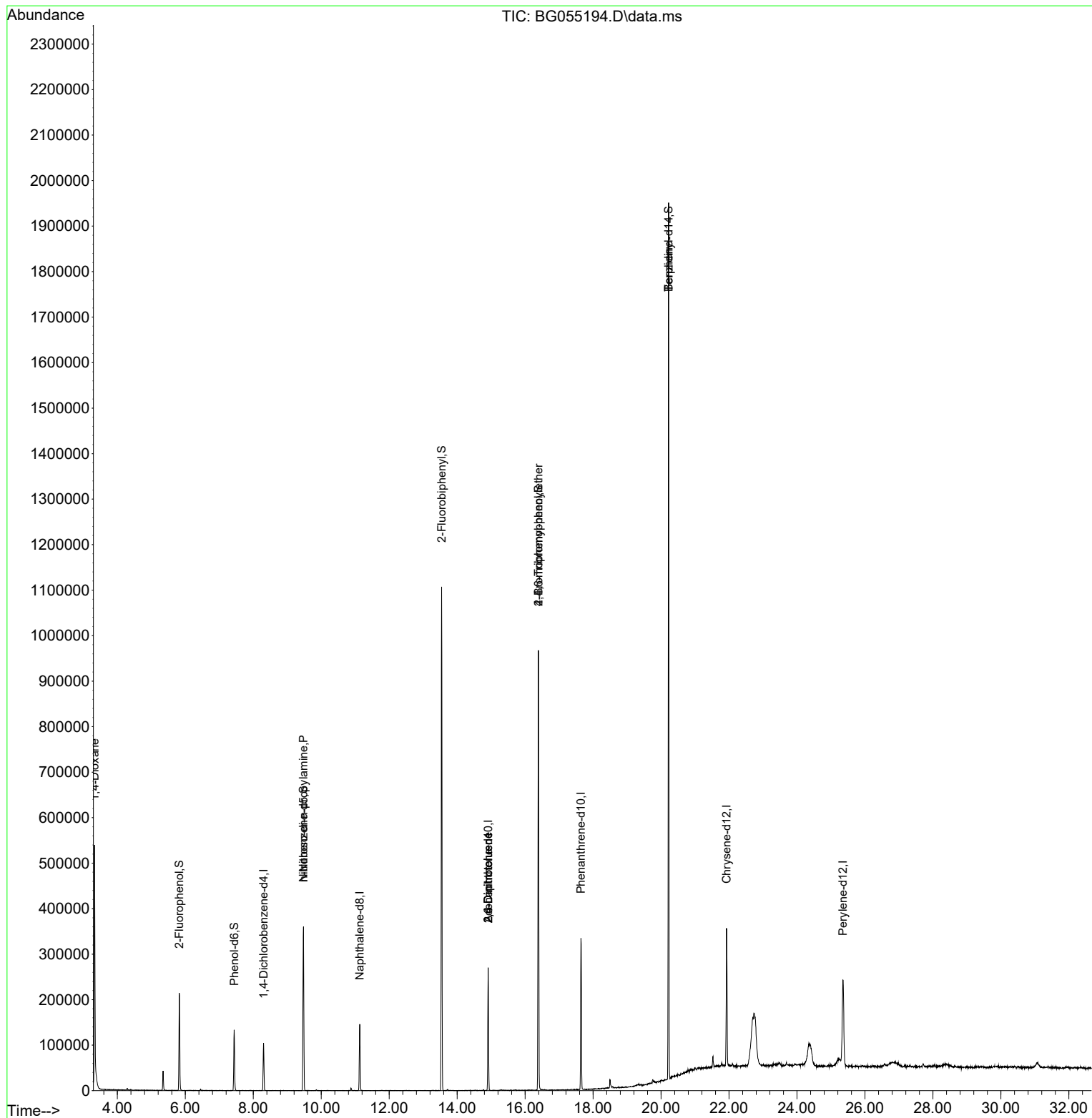
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.300	152	30995	20.000	ng	0.00
21) Naphthalene-d8	11.132	136	126420	20.000	ng	0.00
39) Acenaphthene-d10	14.910	164	95002	20.000	ng	0.00
64) Phenanthrene-d10	17.642	188	224872	20.000	ng	0.00
76) Chrysene-d12	21.925	240	202900	20.000	ng	0.00
86) Perylene-d12	25.350	264	217327	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.820	112	98142	61.950	ng	0.00
7) Phenol-d6	7.436	99	75673	32.291	ng	0.00
23) Nitrobenzene-d5	9.475	82	216452	91.814	ng	0.00
42) 2,4,6-Tribromophenol	16.390	330	218207	159.851	ng	0.00
45) 2-Fluorobiphenyl	13.541	172	573347	98.587	ng	0.00
79) Terphenyl-d14	20.221	244	942984	93.602	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.329	88	4411	6.580	ng	# 1
19) n-Nitroso-di-n-propyla...	9.475	70	29959	15.840	ng	# 79
51) 2,6-Dinitrotoluene	14.910	165	12629	8.036	ng	# 21
57) 2,4-Dinitrotoluene	14.910	165	12629	5.487	ng	# 23
67) 4-Bromophenyl-phenylether	16.390	248	13257	5.408	ng	# 1
77) Benzidine	20.221	184	14096	3.098	ng	# 95

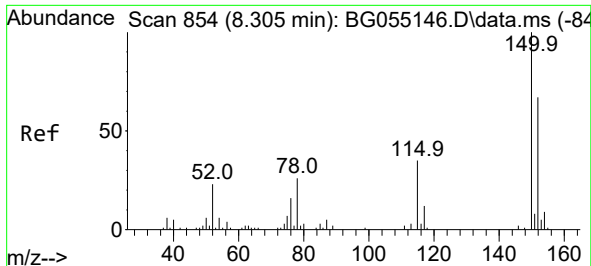
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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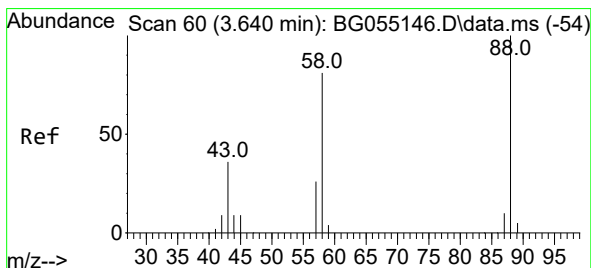
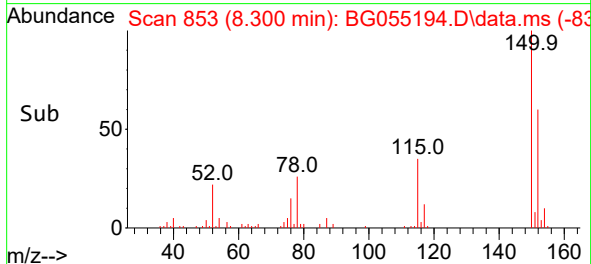
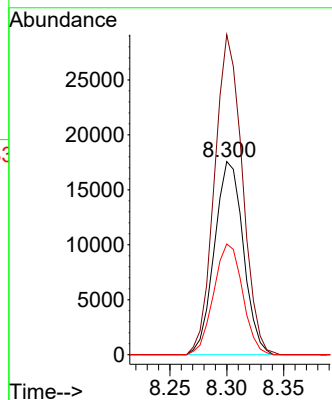
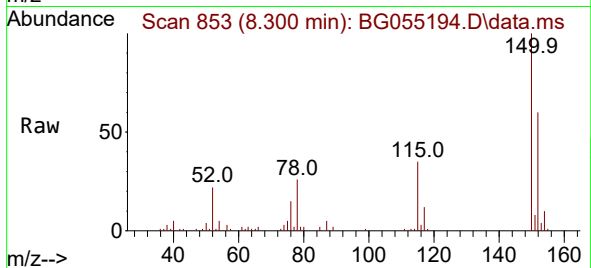




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.300 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG055194.D
Acq: 17 Oct 2022 15:58

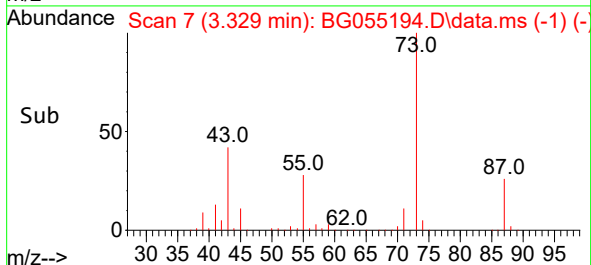
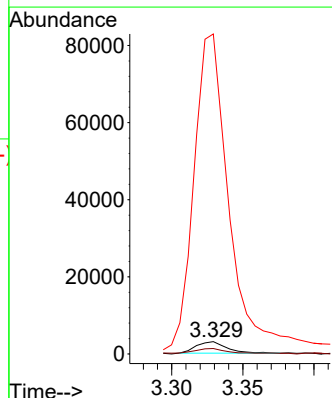
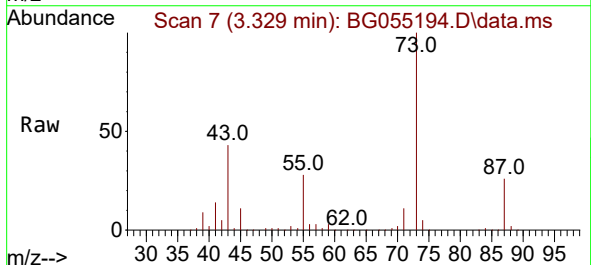
Instrument :
BNA_G
ClientSampleId :
256317-5

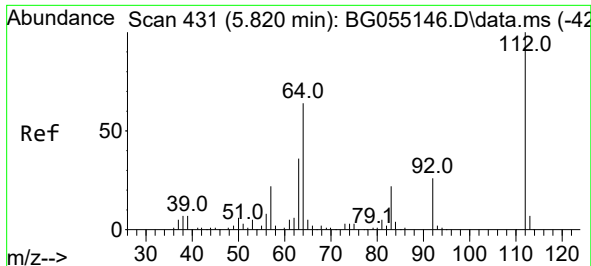
Tgt Ion:152 Resp: 30995
Ion Ratio Lower Upper
152 100
150 165.6 119.7 179.5
115 57.3 42.4 63.6



#2
1,4-Dioxane
Concen: 6.580 ng
RT: 3.329 min Scan# 7
Delta R.T. -0.311 min
Lab File: BG055194.D
Acq: 17 Oct 2022 15:58

Tgt Ion: 88 Resp: 4411
Ion Ratio Lower Upper
88 100
58 38.3 61.0 91.4#
43 3303.8 26.5 39.7#

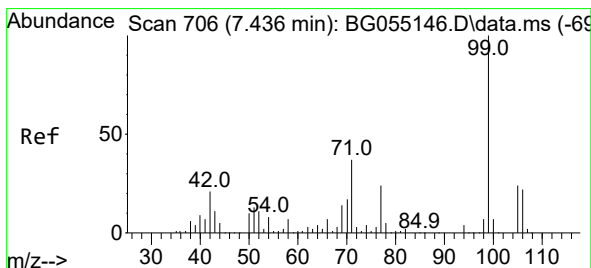
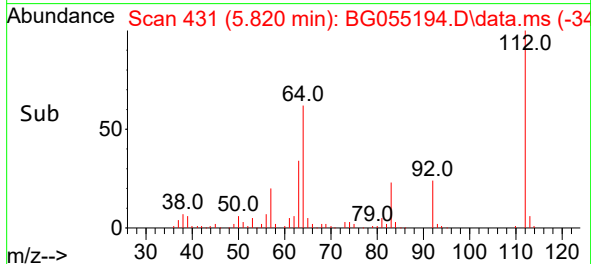
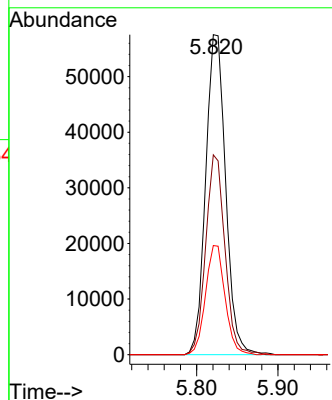
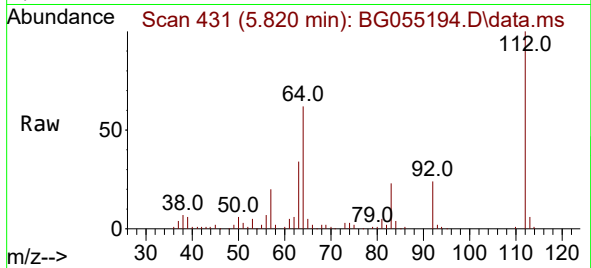




#5
2-Fluorophenol
Concen: 61.950 ng
RT: 5.820 min Scan# 431
Delta R.T. 0.000 min
Lab File: BG055194.D
Acq: 17 Oct 2022 15:58

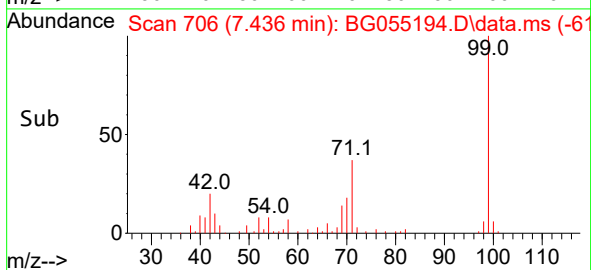
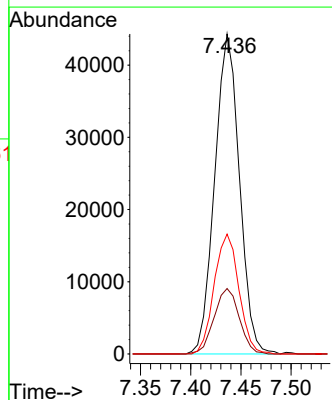
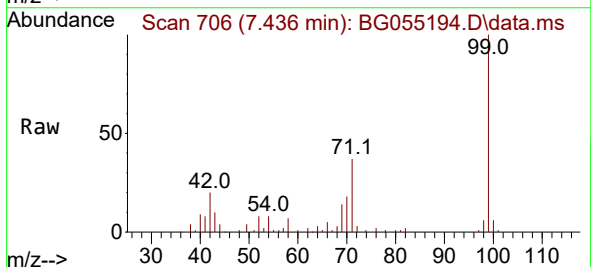
Instrument :
BNA_G
ClientSampleId :
256317-5

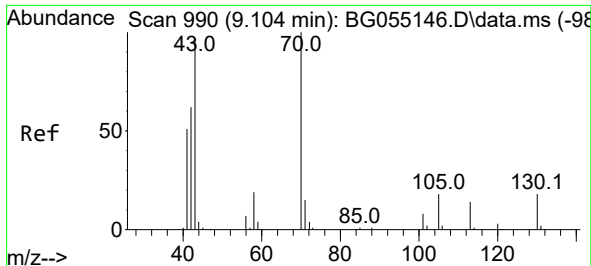
Tgt Ion:112 Resp: 98142
Ion Ratio Lower Upper
112 100
64 62.4 50.9 76.3
63 34.1 29.0 43.6



#7
Phenol-d6
Concen: 32.291 ng
RT: 7.436 min Scan# 706
Delta R.T. 0.000 min
Lab File: BG055194.D
Acq: 17 Oct 2022 15:58

Tgt Ion: 99 Resp: 75673
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 37.5 29.6 44.4

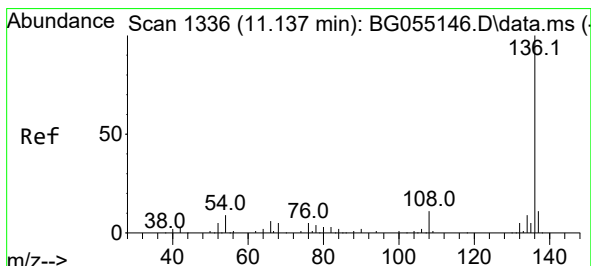
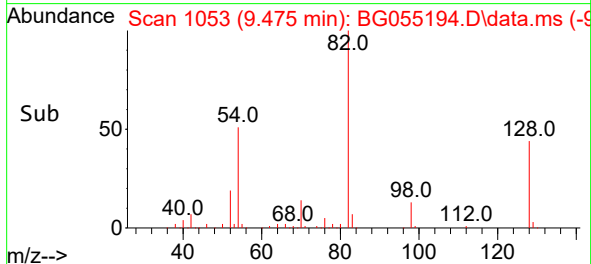
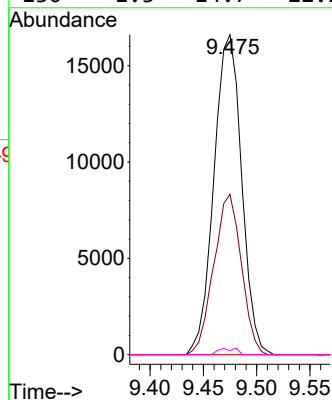
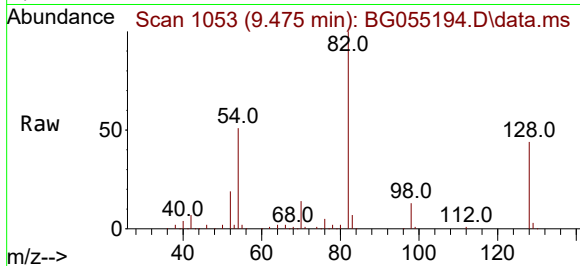




#19
n-Nitroso-di-n-propylamine
Concen: 15.840 ng
RT: 9.475 min Scan# 1053
Delta R.T. 0.371 min
Lab File: BG055194.D
Acq: 17 Oct 2022 15:58

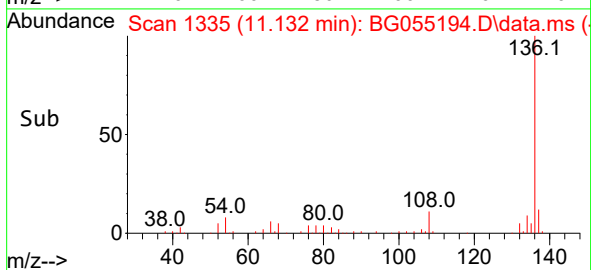
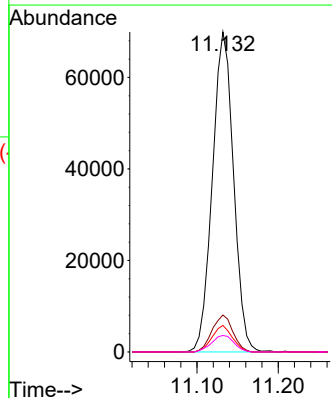
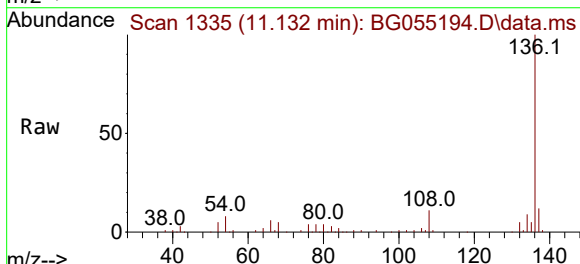
Instrument :
BNA_G
ClientSampleId :
256317-5

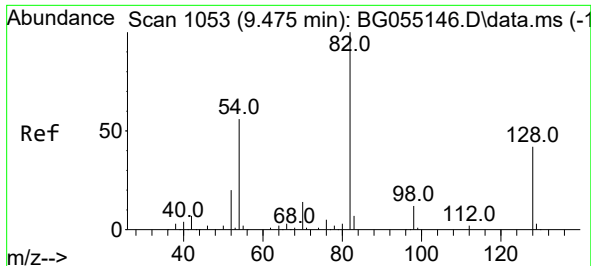
Tgt Ion: 70 Resp: 29959
Ion Ratio Lower Upper
70 100
42 50.1 50.1 75.1
101 0.0 6.6 10.0#
130 1.3 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.132 min Scan# 1335
Delta R.T. -0.005 min
Lab File: BG055194.D
Acq: 17 Oct 2022 15:58

Tgt Ion: 136 Resp: 126420
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 8.3 7.0 10.6
68 5.1 4.3 6.5





#23

Nitrobenzene-d5

Concen: 91.814 ng

RT: 9.475 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BG055194.D

Acq: 17 Oct 2022 15:58

Instrument :

BNA_G

ClientSampleId :

256317-5

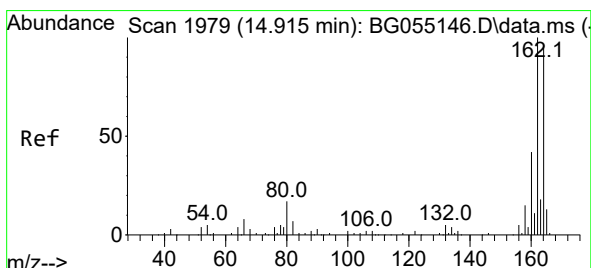
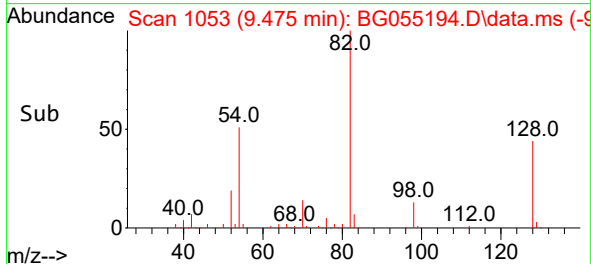
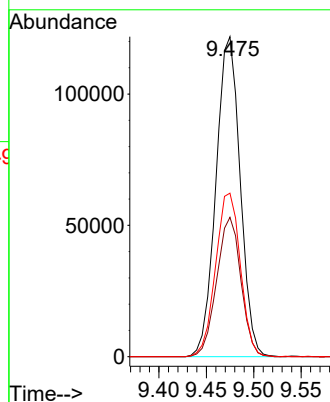
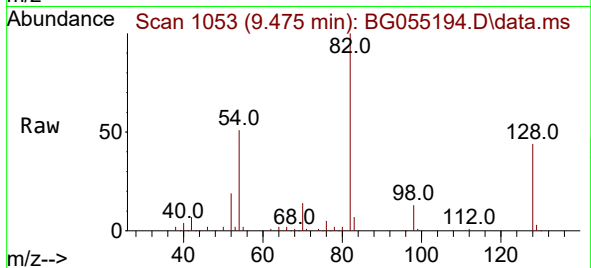
Tgt Ion: 82 Resp: 216452

Ion Ratio Lower Upper

82 100

128 43.6 33.5 50.3

54 51.1 44.7 67.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.910 min Scan# 1978

Delta R.T. -0.005 min

Lab File: BG055194.D

Acq: 17 Oct 2022 15:58

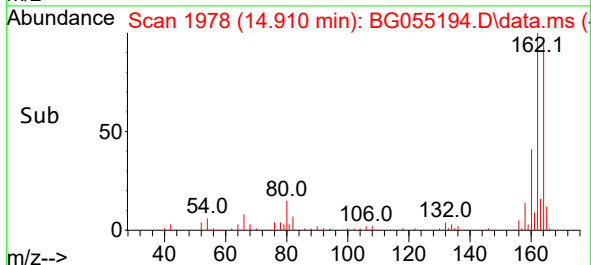
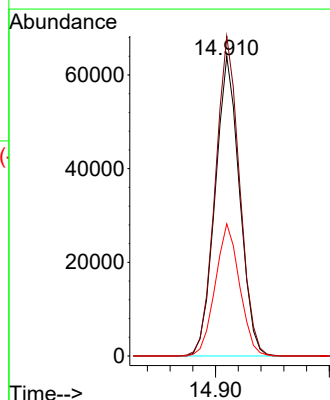
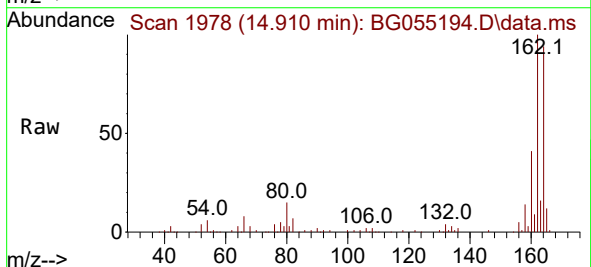
Tgt Ion:164 Resp: 95002

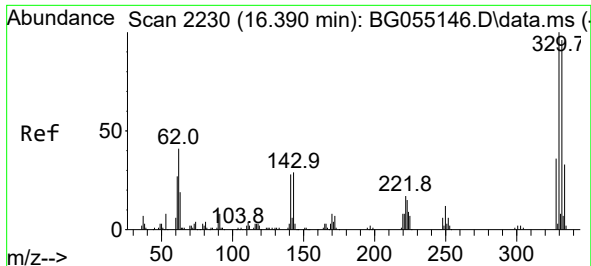
Ion Ratio Lower Upper

164 100

162 106.8 83.3 124.9

160 44.1 35.3 52.9

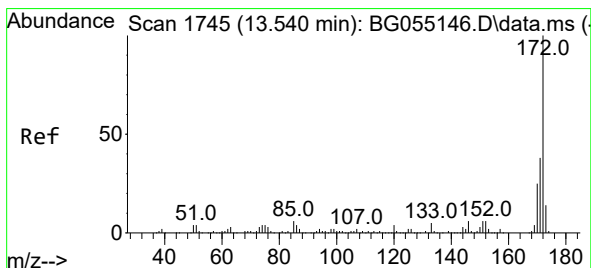
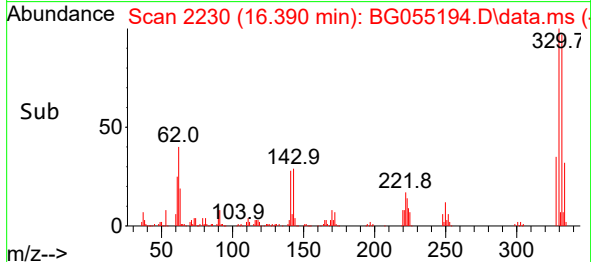
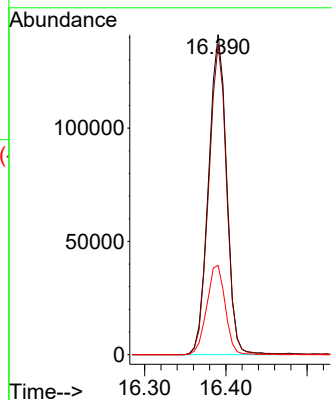
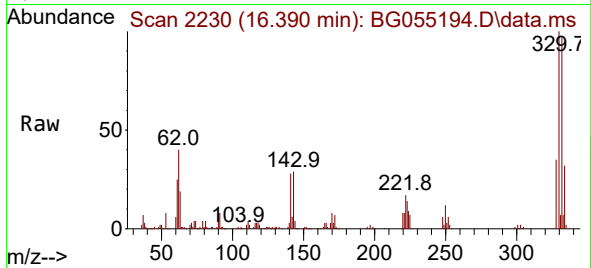




#42
 2,4,6-Tribromophenol
 Concen: 159.851 ng
 RT: 16.390 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG055194.D
 Acq: 17 Oct 2022 15:58

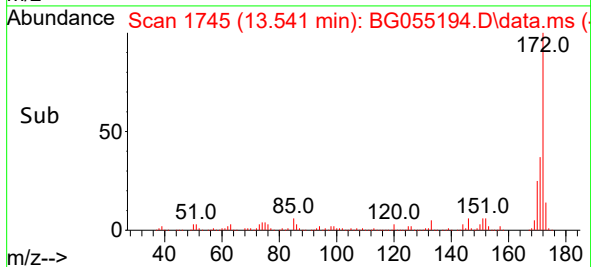
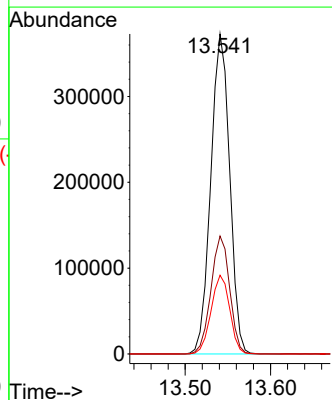
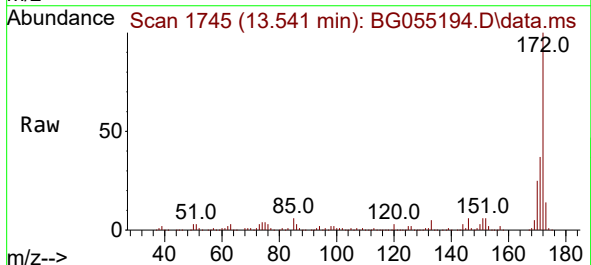
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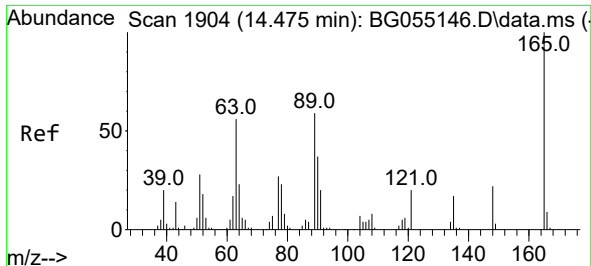
Tgt Ion:330 Resp: 218207
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.4
 141 28.5 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 98.587 ng
 RT: 13.541 min Scan# 1745
 Delta R.T. 0.000 min
 Lab File: BG055194.D
 Acq: 17 Oct 2022 15:58

Tgt Ion:172 Resp: 573347
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.1 45.1
 170 24.6 19.8 29.6

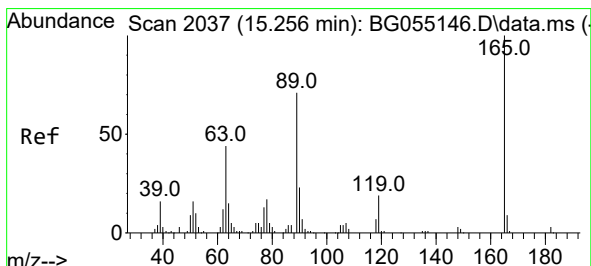
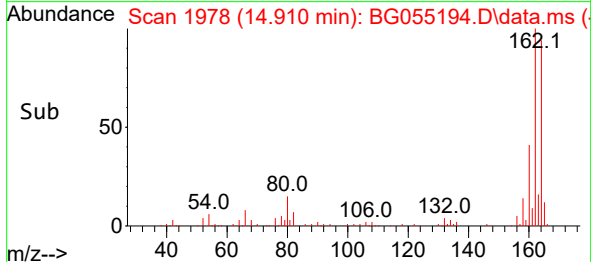
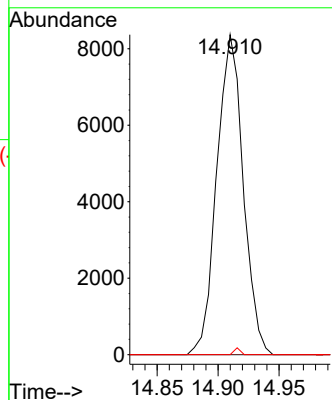
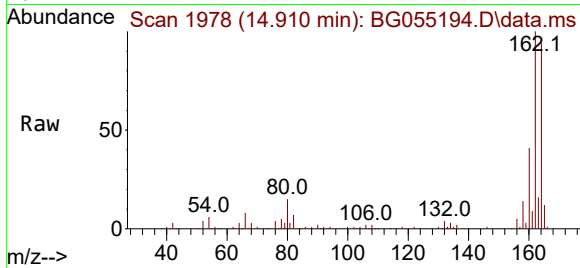




#51
2,6-Dinitrotoluene
Concen: 8.036 ng
RT: 14.910 min Scan# 1904
Delta R.T. 0.435 min
Lab File: BG055194.D
Acq: 17 Oct 2022 15:58

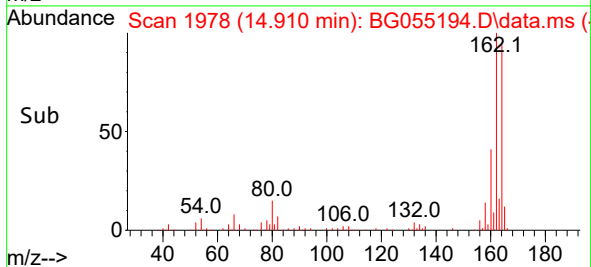
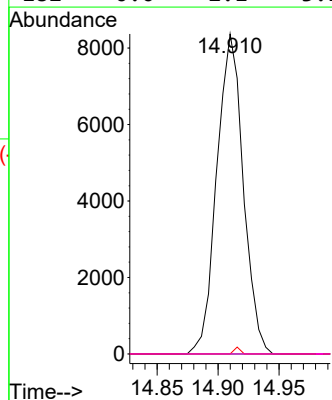
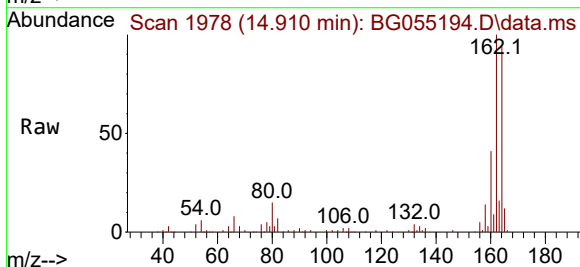
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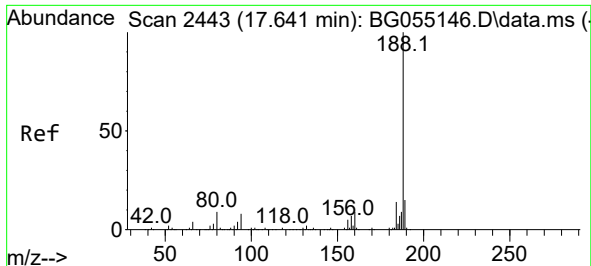
Tgt Ion:165 Resp: 12629
Ion Ratio Lower Upper
165 100
63 0.0 46.6 70.0#
89 0.0 47.6 71.4#



#57
2,4-Dinitrotoluene
Concen: 5.487 ng
RT: 14.910 min Scan# 1978
Delta R.T. -0.346 min
Lab File: BG055194.D
Acq: 17 Oct 2022 15:58

Tgt Ion:165 Resp: 12629
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#

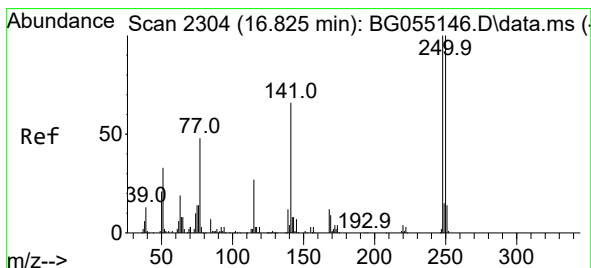
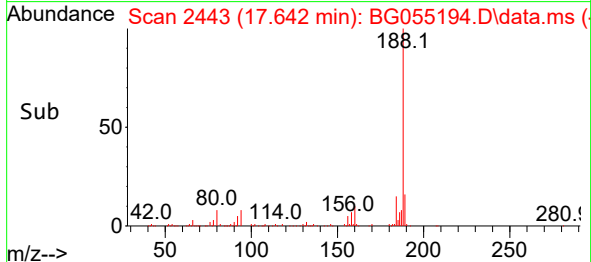
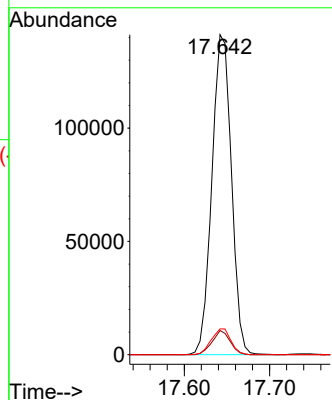
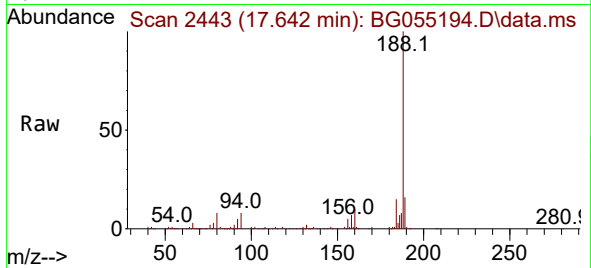




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.642 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG055194.D
Acq: 17 Oct 2022 15:58

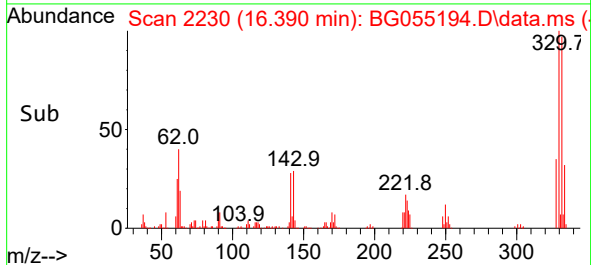
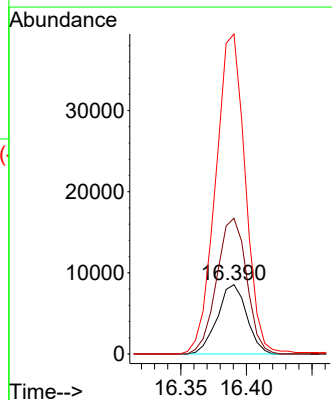
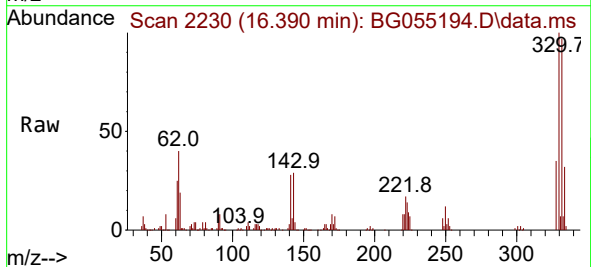
Instrument :
BNA_G
ClientSampleId :
256317-5

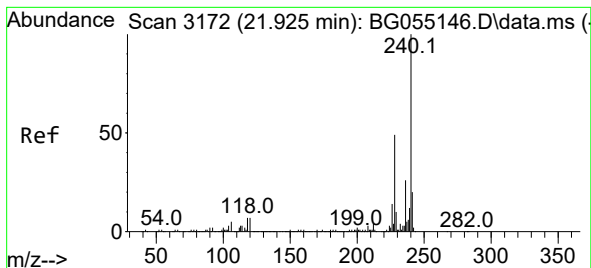
Tgt Ion:188 Resp: 224872
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.2
80 8.1 7.0 10.6



#67
4-Bromophenyl-phenylether
Concen: 5.408 ng
RT: 16.390 min Scan# 2230
Delta R.T. -0.434 min
Lab File: BG055194.D
Acq: 17 Oct 2022 15:58

Tgt Ion:248 Resp: 13257
Ion Ratio Lower Upper
248 100
250 195.8 80.1 120.1#
141 461.7 53.1 79.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.925 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG055194.D

Acq: 17 Oct 2022 15:58

Instrument :

BNA_G

ClientSampleId :

256317-5

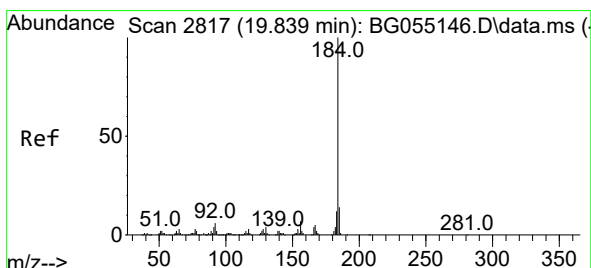
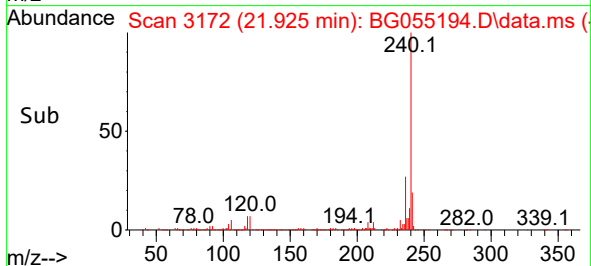
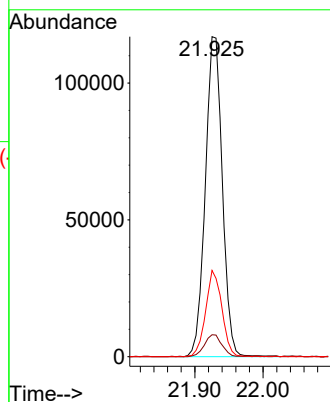
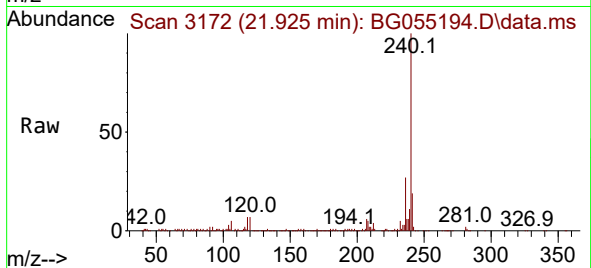
Tgt Ion:240 Resp: 202900

Ion Ratio Lower Upper

240 100

120 6.9 5.4 8.0

236 26.9 20.6 31.0



#77

Benzidine

Concen: 3.098 ng

RT: 20.221 min Scan# 2882

Delta R.T. 0.382 min

Lab File: BG055194.D

Acq: 17 Oct 2022 15:58

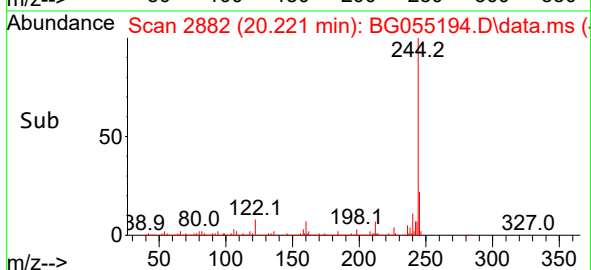
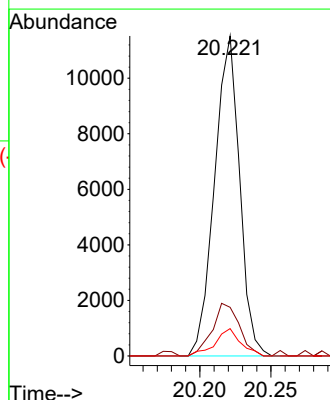
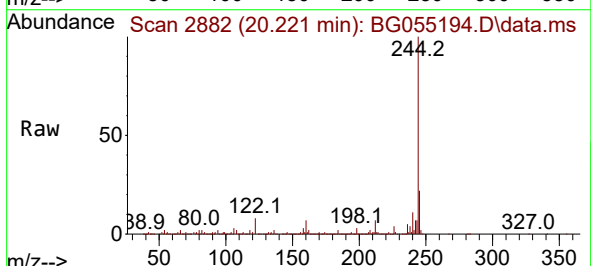
Tgt Ion:184 Resp: 14096

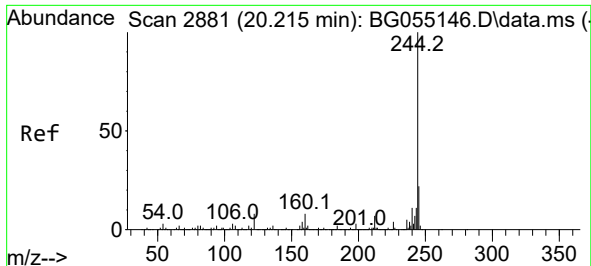
Ion Ratio Lower Upper

184 100

185 15.2 11.5 17.3

183 8.6 9.4 14.2#

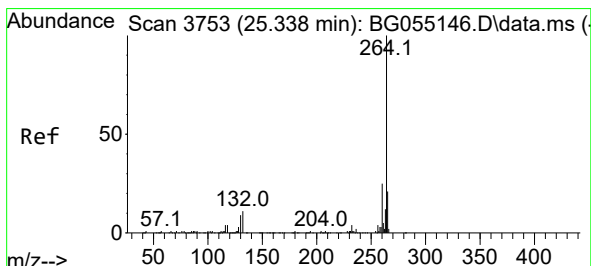
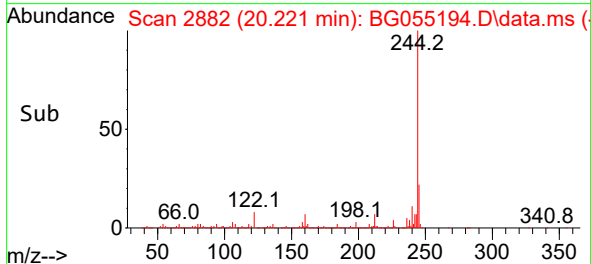
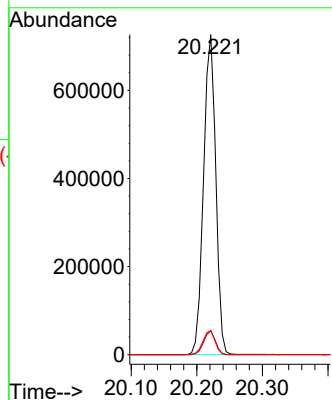
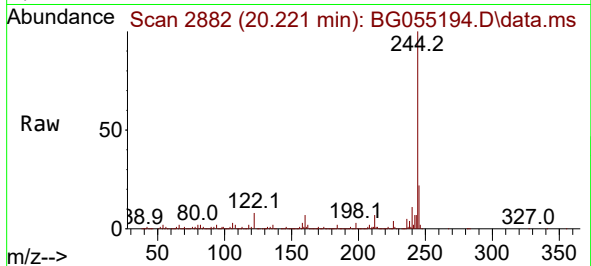




#79
 Terphenyl-d14
 Concen: 93.602 ng
 RT: 20.221 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG055194.D
 Acq: 17 Oct 2022 15:58

Instrument :
 BNA_G
 ClientSampleId :
 256317-5

Tgt Ion:244 Resp: 942984
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 7.6 6.6 10.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.350 min Scan# 3755
 Delta R.T. 0.012 min
 Lab File: BG055194.D
 Acq: 17 Oct 2022 15:58

Tgt Ion:264 Resp: 217327
 Ion Ratio Lower Upper
 264 100
 260 23.5 20.1 30.1
 265 21.8 16.8 25.2

