

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011923\
 Data File : BG056350.D
 Acq On : 19 Jan 2023 17:01
 Operator : CG/JU
 Sample : 01172-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-F

Quant Time: Jan 20 01:35:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

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

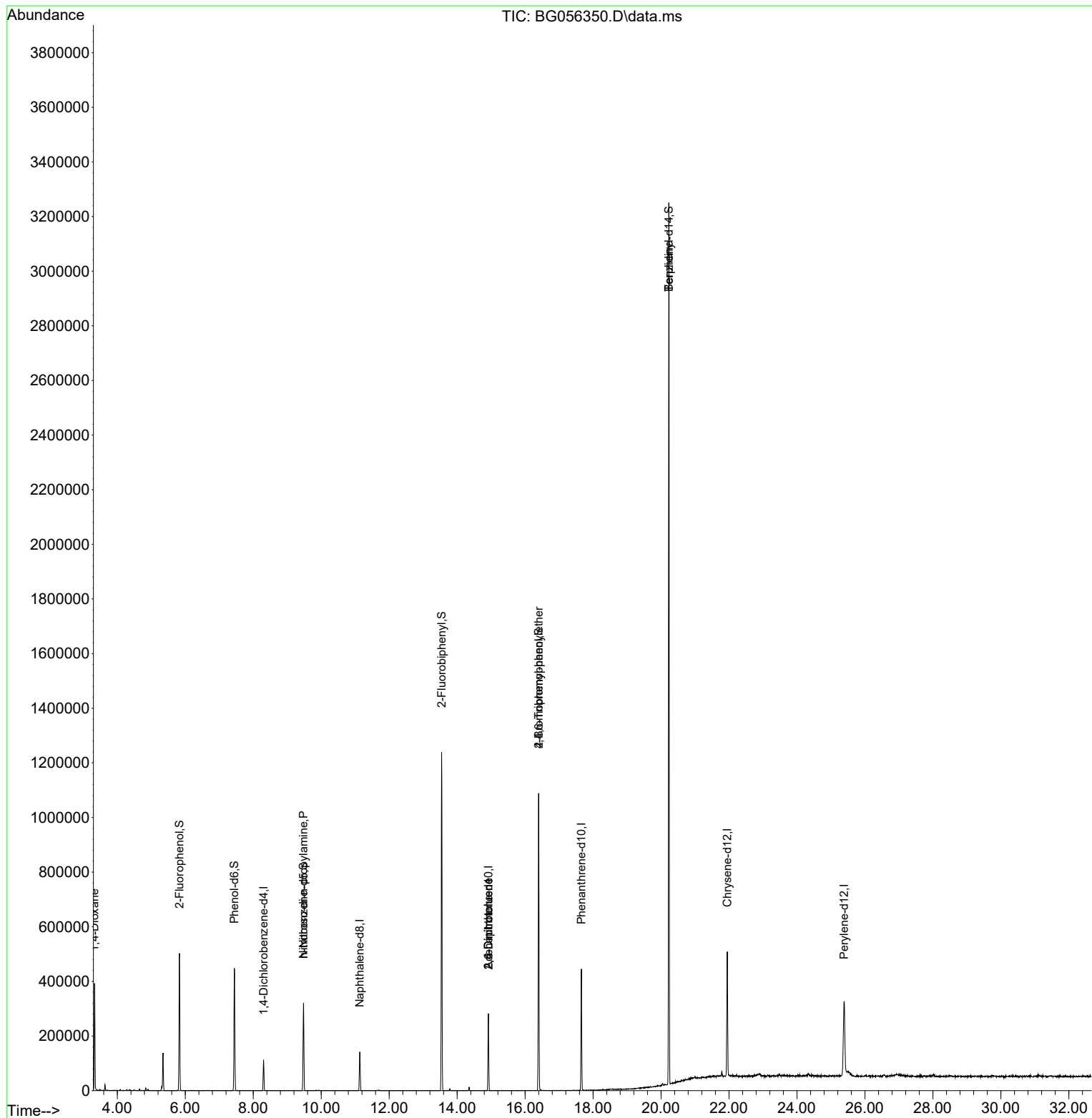
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.303	152	36606	20.000	ng	0.00
21) Naphthalene-d8	11.134	136	133985	20.000	ng	0.00
39) Acenaphthene-d10	14.918	164	105442	20.000	ng	0.00
64) Phenanthrene-d10	17.656	188	299711	20.000	ng	0.00
76) Chrysene-d12	21.951	240	312804	20.000	ng	# 0.00
86) Perylene-d12	25.383	264	334267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.829	112	285200	139.109	ng	0.00
7) Phenol-d6	7.445	99	353984	112.429	ng	0.00
23) Nitrobenzene-d5	9.478	82	224825	85.832	ng	0.00
42) 2,4,6-Tribromophenol	16.399	330	227817	170.598	ng	0.00
45) 2-Fluorobiphenyl	13.543	172	721976	94.552	ng	0.00
79) Terphenyl-d14	20.230	244	1767845	101.223	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.326	88	4905	5.238	ng	# 1
19) n-Nitroso-di-n-propyla...	9.478	70	26736	13.965	ng	# 72
51) 2,6-Dinitrotoluene	14.918	165	14315	7.893	ng	# 32
57) 2,4-Dinitrotoluene	14.918	165	14315	5.644	ng	# 29
67) 4-Bromophenyl-phenylether	16.399	248	18457	4.836	ng	# 1
77) Benzidine	20.230	184	25366	2.314	ng	# 94

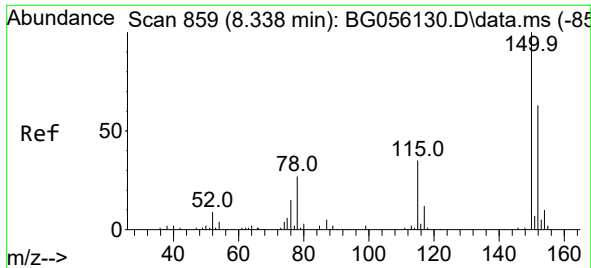
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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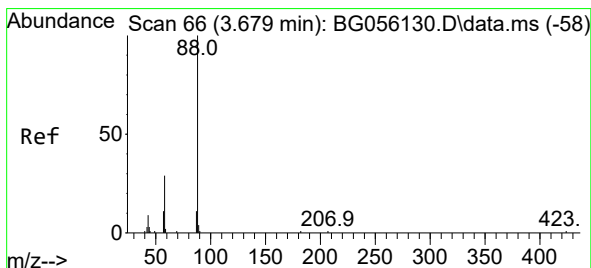
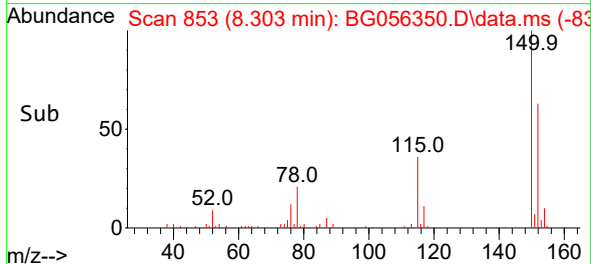
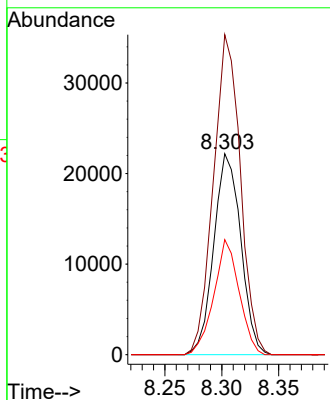
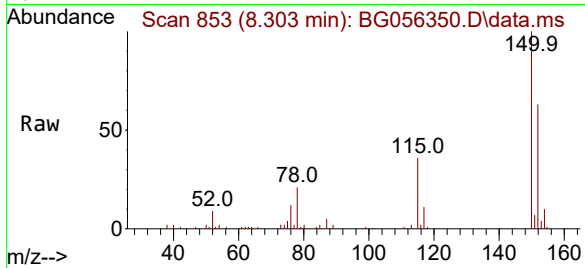




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.303 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG056350.D
Acq: 19 Jan 2023 17:01

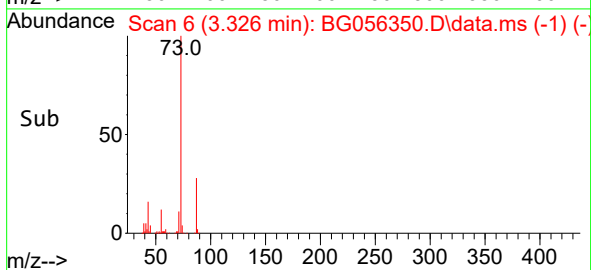
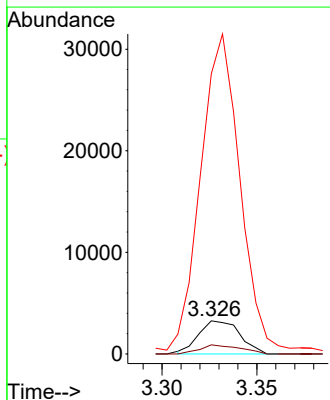
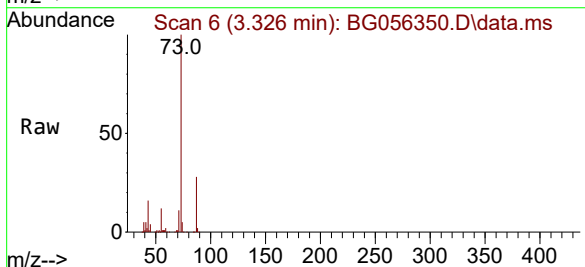
Instrument :
BNA_G
ClientSampleId :
TP-F

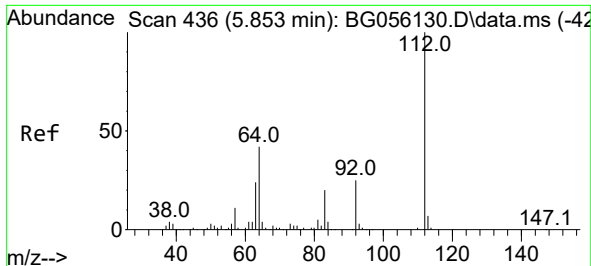
Tgt Ion:152 Resp: 36606
Ion Ratio Lower Upper
152 100
150 159.2 127.9 191.9
115 57.2 44.2 66.2



#2
1,4-Dioxane
Concen: 5.238 ng
RT: 3.326 min Scan# 6
Delta R.T. -0.309 min
Lab File: BG056350.D
Acq: 19 Jan 2023 17:01

Tgt Ion: 88 Resp: 4905
Ion Ratio Lower Upper
88 100
58 27.2 21.4 32.0
43 896.2 7.1 10.7#

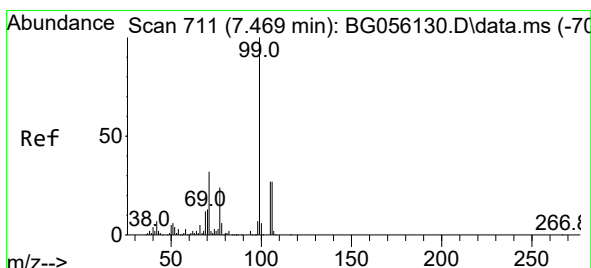
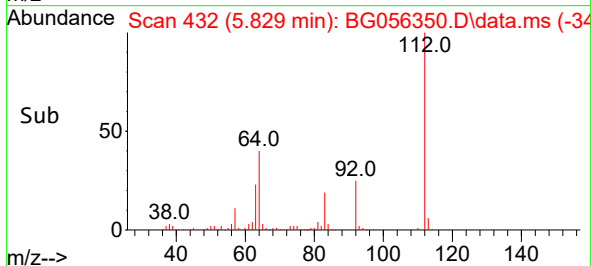
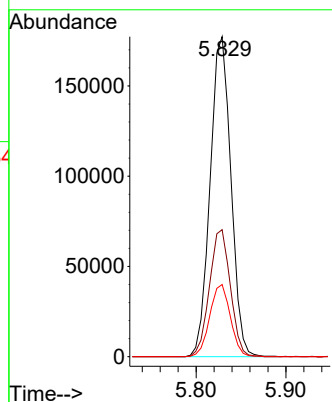
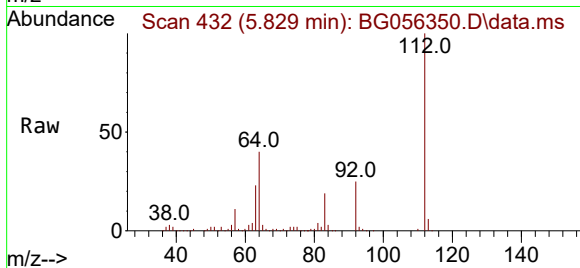




#5
2-Fluorophenol
Concen: 139.109 ng
RT: 5.829 min Scan# 41
Delta R.T. 0.002 min
Lab File: BG056350.D
Acq: 19 Jan 2023 17:01

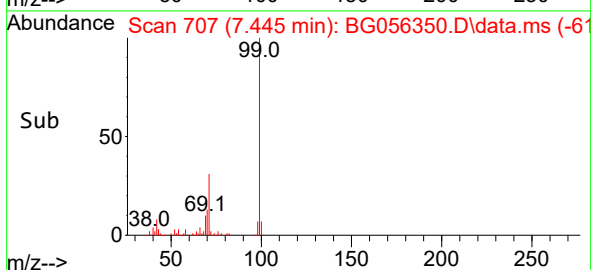
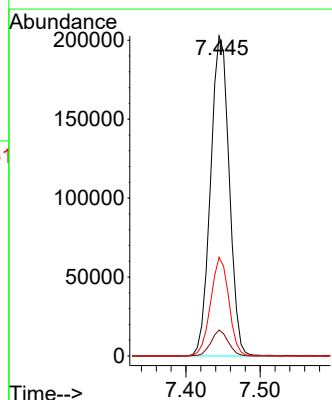
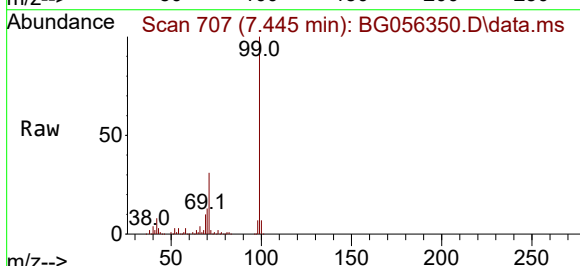
Instrument :
BNA_G
ClientSampleId :
TP-F

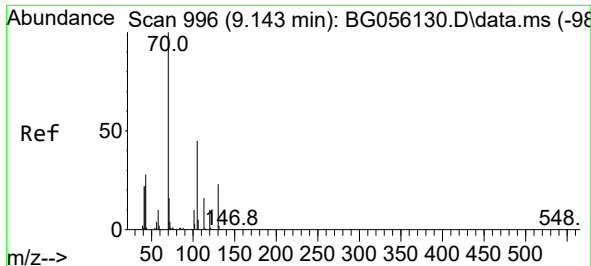
Tgt Ion:112 Resp: 285200
Ion Ratio Lower Upper
112 100
64 39.7 33.3 49.9
63 22.5 19.0 28.4



#7
Phenol-d6
Concen: 112.429 ng
RT: 7.445 min Scan# 707
Delta R.T. -0.003 min
Lab File: BG056350.D
Acq: 19 Jan 2023 17:01

Tgt Ion: 99 Resp: 353984
Ion Ratio Lower Upper
99 100
42 8.1 5.9 8.9
71 30.8 25.4 38.2

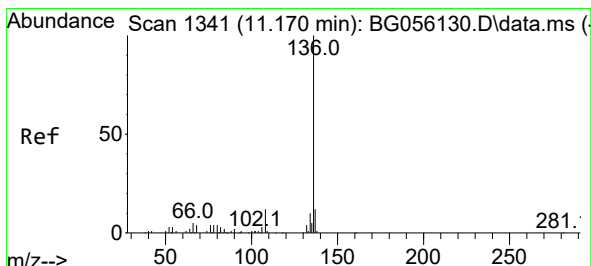
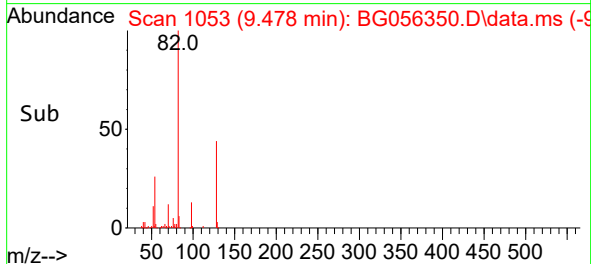
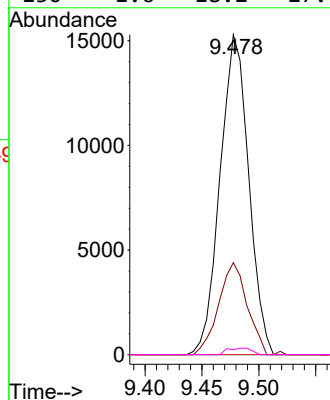
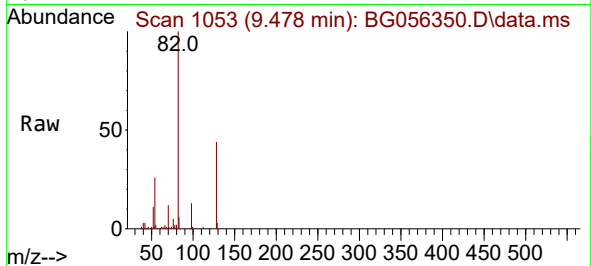




#19
n-Nitroso-di-n-propylamine
Concen: 13.965 ng
RT: 9.478 min Scan# 1053
Delta R.T. 0.367 min
Lab File: BG056350.D
Acq: 19 Jan 2023 17:01

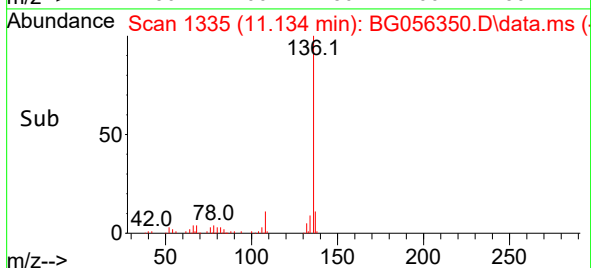
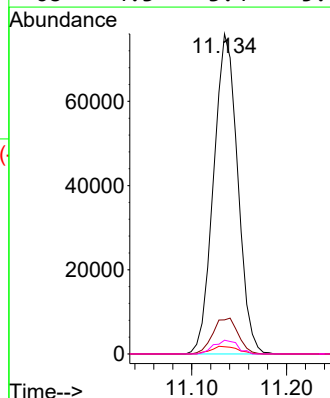
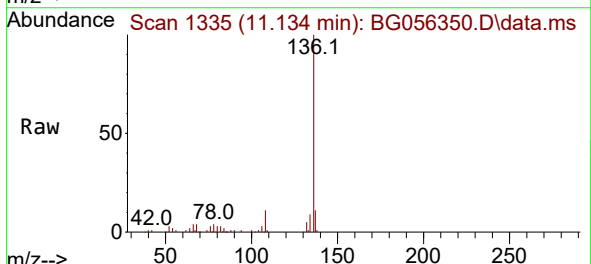
Instrument :
BNA_G
ClientSampleId :
TP-F

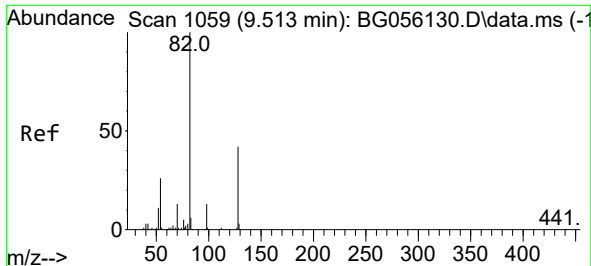
Tgt Ion: 70	Resp: 26736
Ion Ratio	Lower Upper
70 100	
42 28.8	18.2 27.2#
101 0.0	8.3 12.5#
130 1.6	18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.134 min Scan# 1335
Delta R.T. -0.003 min
Lab File: BG056350.D
Acq: 19 Jan 2023 17:01

Tgt Ion: 136	Resp: 133985
Ion Ratio	Lower Upper
136 100	
137 10.6	9.4 14.0
54 2.3	2.2 3.2
68 4.3	3.4 5.0





#23

Nitrobenzene-d5

Concen: 85.832 ng

RT: 9.478 min Scan# 1053

Delta R.T. -0.009 min

Lab File: BG056350.D

Acq: 19 Jan 2023 17:01

Instrument :

BNA_G

ClientSampleId :

TP-F

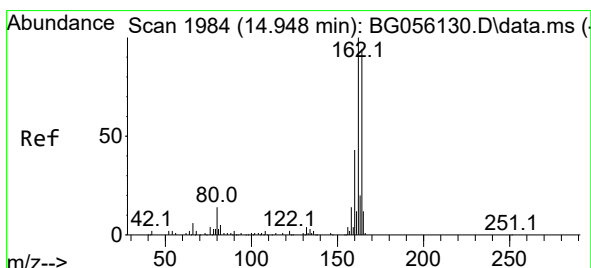
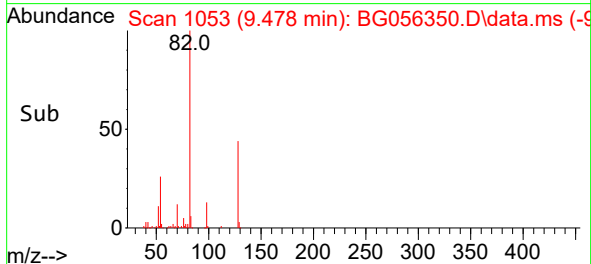
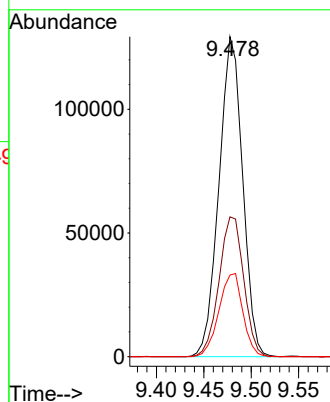
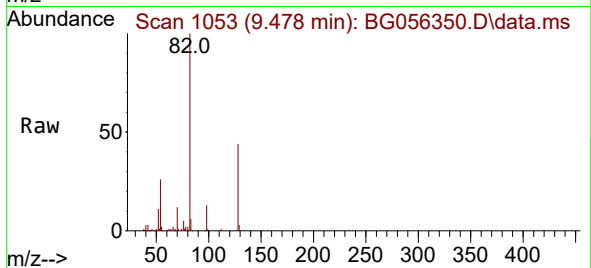
Tgt Ion: 82 Resp: 224825

Ion Ratio Lower Upper

82 100

128 43.7 33.4 50.2

54 25.5 20.3 30.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.918 min Scan# 1979

Delta R.T. -0.003 min

Lab File: BG056350.D

Acq: 19 Jan 2023 17:01

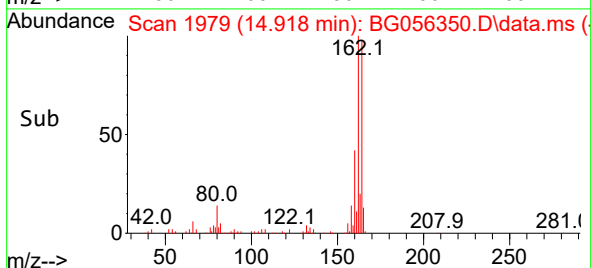
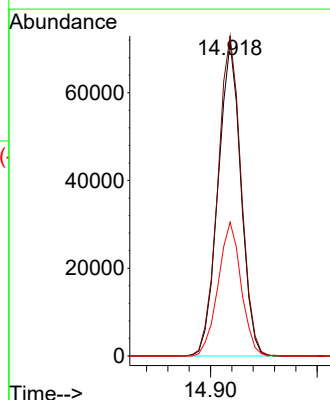
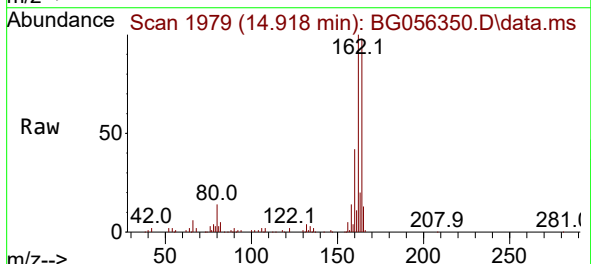
Tgt Ion:164 Resp: 105442

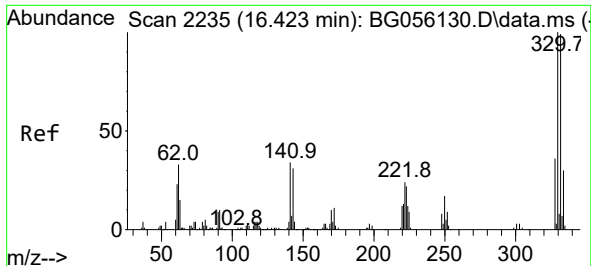
Ion Ratio Lower Upper

164 100

162 102.0 84.7 127.1

160 42.7 36.3 54.5

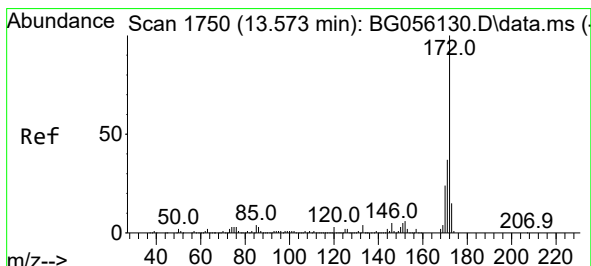
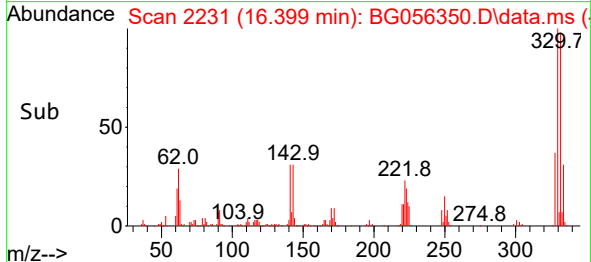
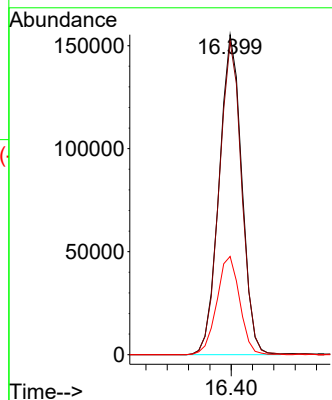
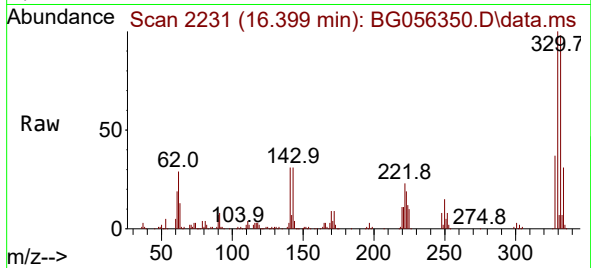




#42
 2,4,6-Tribromophenol
 Concen: 170.598 ng
 RT: 16.399 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG056350.D
 Acq: 19 Jan 2023 17:01

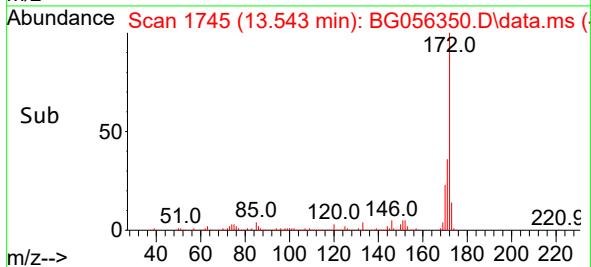
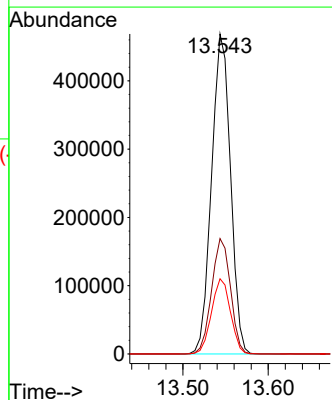
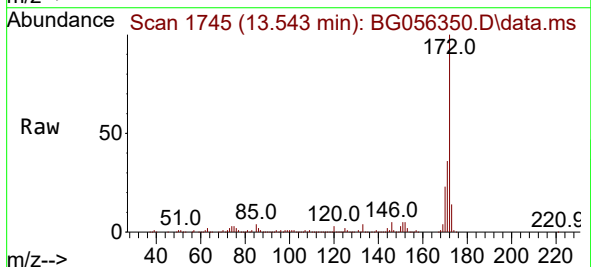
Instrument :
 BNA_G
 ClientSampleId :
 TP-F

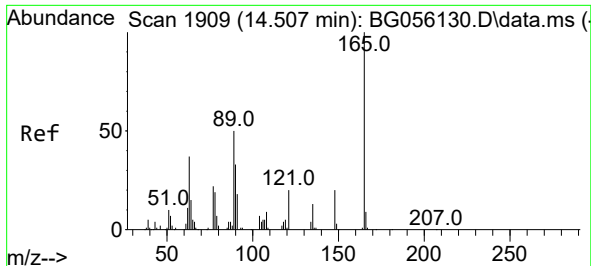
Tgt Ion:330 Resp: 227817
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.3 115.9
 141 31.1 27.9 41.9



#45
 2-Fluorobiphenyl
 Concen: 94.552 ng
 RT: 13.543 min Scan# 1745
 Delta R.T. -0.003 min
 Lab File: BG056350.D
 Acq: 19 Jan 2023 17:01

Tgt Ion:172 Resp: 721976
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 23.5 19.4 29.2

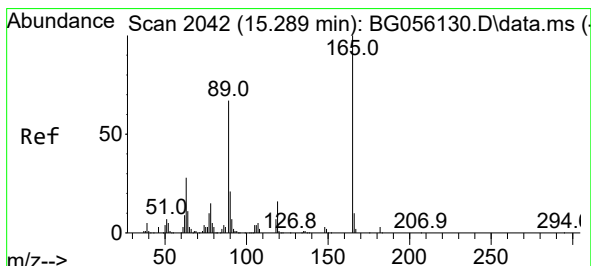
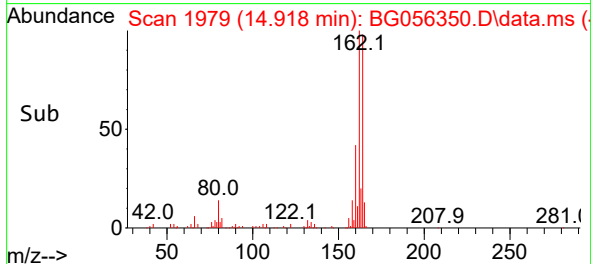
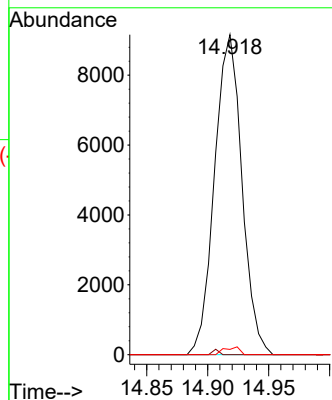
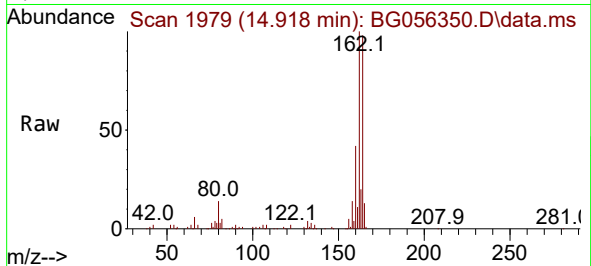




#51
2,6-Dinitrotoluene
Concen: 7.893 ng
RT: 14.918 min Scan# 1909
Delta R.T. 0.431 min
Lab File: BG056350.D
Acq: 19 Jan 2023 17:01

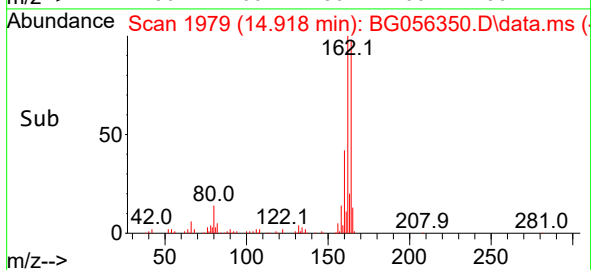
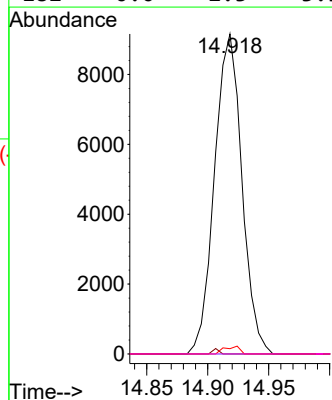
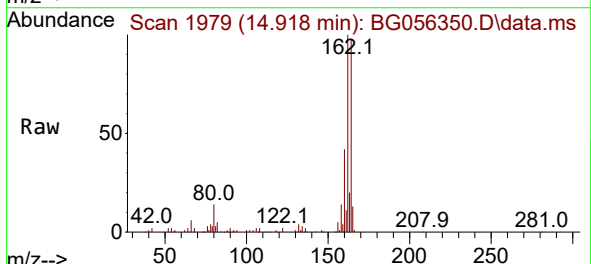
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BNA_G
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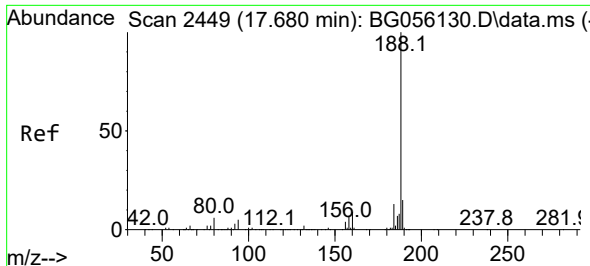
Tgt Ion:165 Resp: 14315
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 1.7 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 5.644 ng
RT: 14.918 min Scan# 1979
Delta R.T. -0.356 min
Lab File: BG056350.D
Acq: 19 Jan 2023 17:01

Tgt Ion:165 Resp: 14315
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 1.7 53.2 79.8#
182 0.0 2.3 3.5#

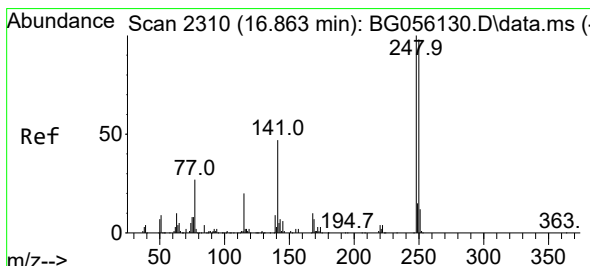
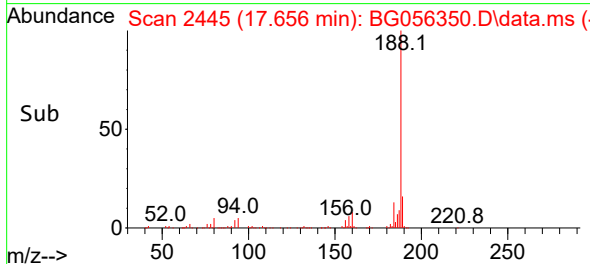
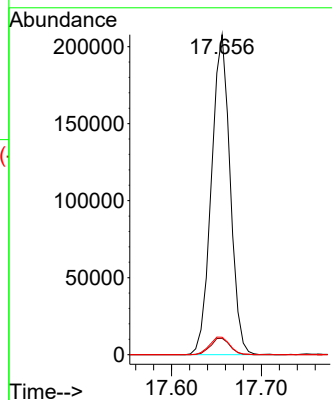
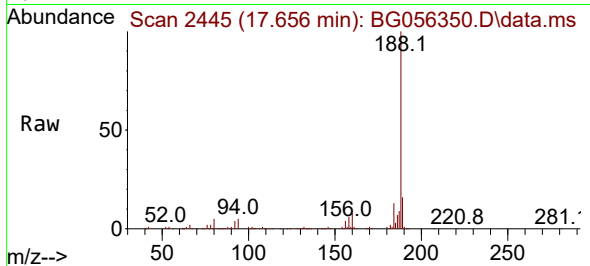




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.656 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056350.D
Acq: 19 Jan 2023 17:01

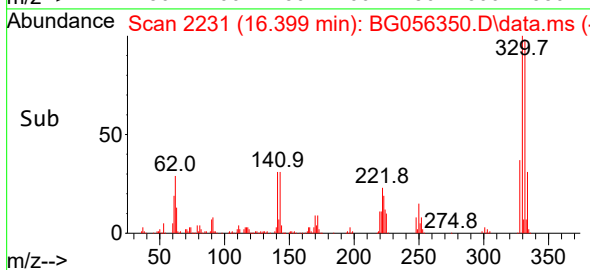
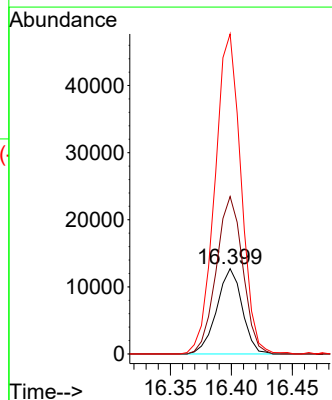
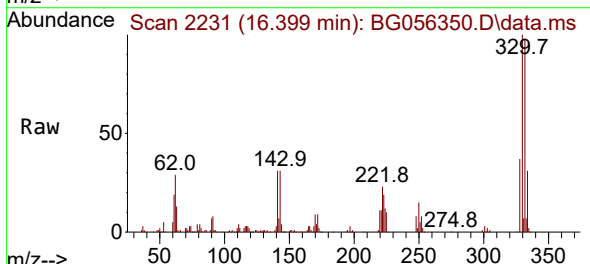
Instrument :
BNA_G
ClientSampleId :
TP-F

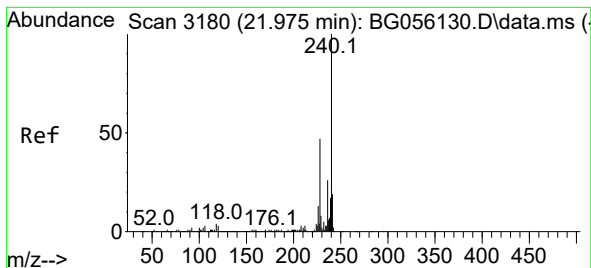
Tgt Ion:188 Resp: 299711
Ion Ratio Lower Upper
188 100
94 5.1 4.2 6.2
80 5.5 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 4.836 ng
RT: 16.399 min Scan# 2231
Delta R.T. -0.438 min
Lab File: BG056350.D
Acq: 19 Jan 2023 17:01

Tgt Ion:248 Resp: 18457
Ion Ratio Lower Upper
248 100
250 184.5 78.2 117.4#
141 375.1 37.6 56.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.951 min Scan# 3180

Delta R.T. -0.003 min

Lab File: BG056350.D

Acq: 19 Jan 2023 17:01

Instrument :

BNA_G

ClientSampleId :

TP-F

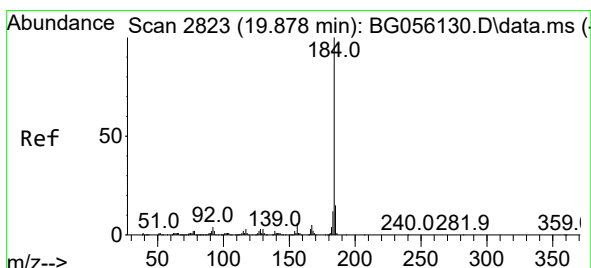
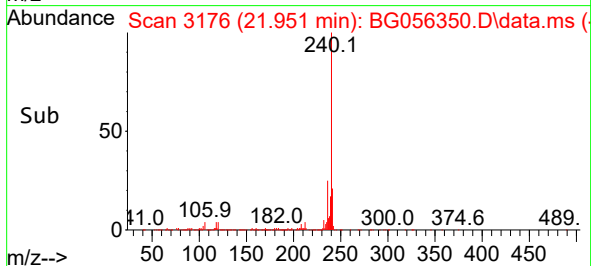
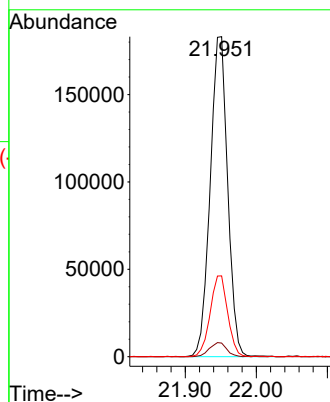
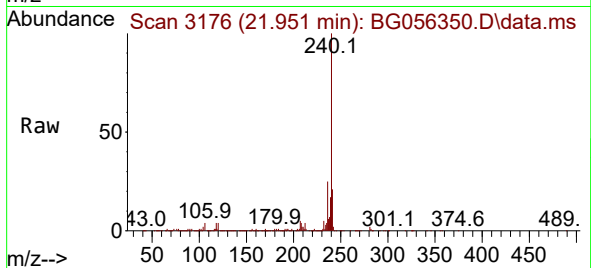
Tgt Ion:240 Resp: 312804

Ion Ratio Lower Upper

240 100

120 4.3 2.6 4.0#

236 25.2 20.8 31.2



#77

Benzidine

Concen: 2.314 ng

RT: 20.230 min Scan# 2883

Delta R.T. 0.373 min

Lab File: BG056350.D

Acq: 19 Jan 2023 17:01

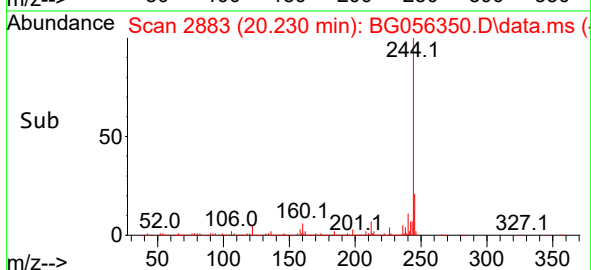
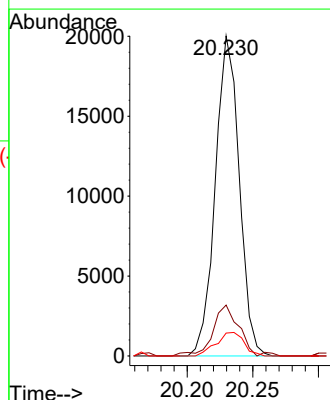
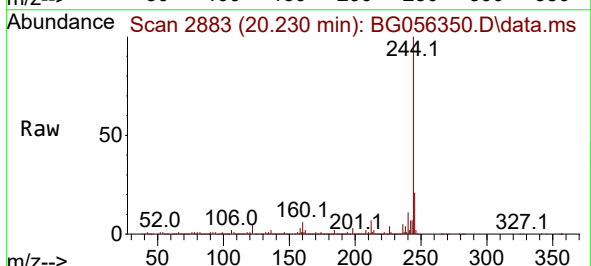
Tgt Ion:184 Resp: 25366

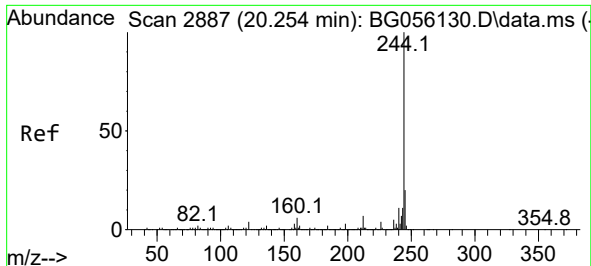
Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

183 7.1 9.4 14.0#

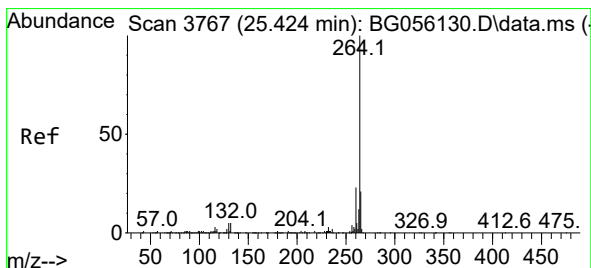
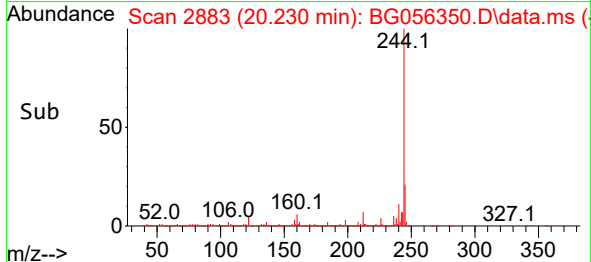
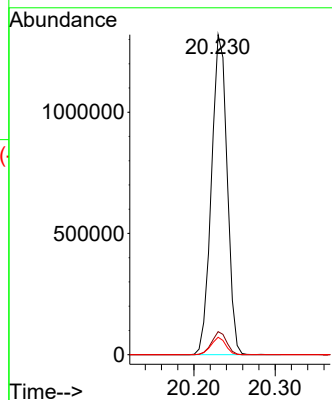
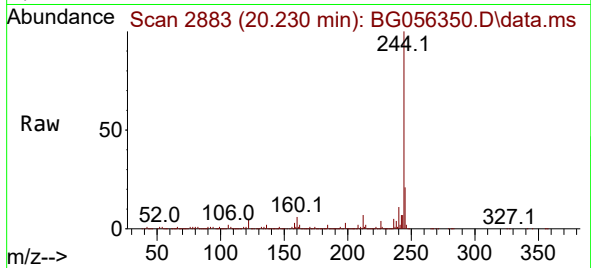




#79
 Terphenyl-d14
 Concen: 101.223 ng
 RT: 20.230 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG056350.D
 Acq: 19 Jan 2023 17:01

Instrument :
 BNA_G
 ClientSampleId :
 TP-F

Tgt Ion:244 Resp: 1767845
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 5.5 3.5 5.3#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.383 min Scan# 3760
 Delta R.T. -0.009 min
 Lab File: BG056350.D
 Acq: 19 Jan 2023 17:01

Tgt Ion:264 Resp: 334267
 Ion Ratio Lower Upper
 264 100
 260 24.9 18.6 28.0
 265 22.2 16.7 25.1

