

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011923\
 Data File : BG056354.D
 Acq On : 19 Jan 2023 19:47
 Operator : CG/JU
 Sample : 01180-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-7

Quant Time: Jan 20 01:37:03 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)

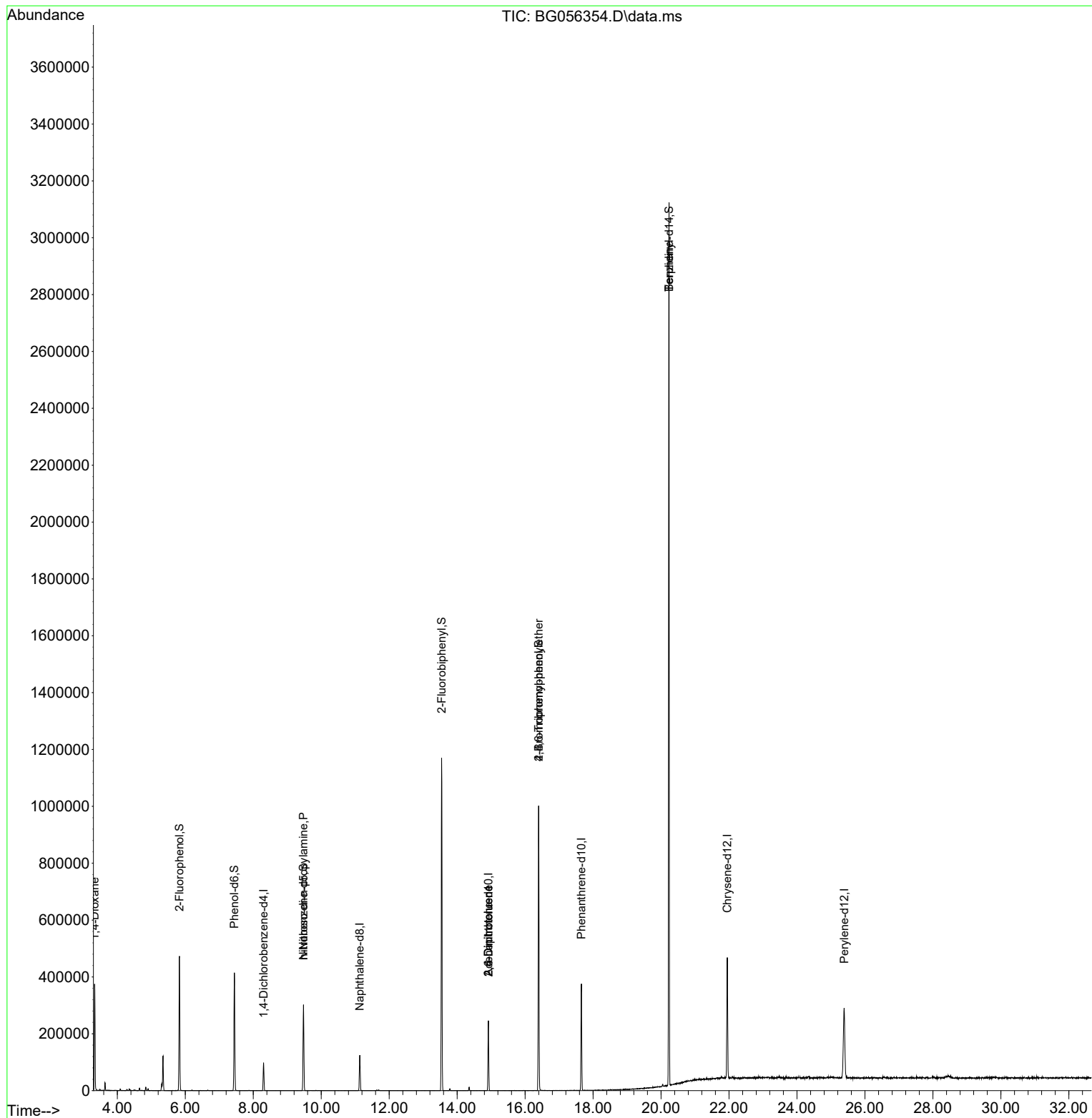
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.302	152	32819	20.000	ng	0.00
21) Naphthalene-d8	11.134	136	117695	20.000	ng	# 0.00
39) Acenaphthene-d10	14.918	164	94577	20.000	ng	0.00
64) Phenanthrene-d10	17.655	188	269643	20.000	ng	0.00
76) Chrysene-d12	21.950	240	289248	20.000	ng	# 0.00
86) Perylene-d12	25.388	264	308444	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.828	112	267181	145.358	ng	0.00
7) Phenol-d6	7.444	99	326088	115.520	ng	0.00
23) Nitrobenzene-d5	9.477	82	214537	93.240	ng	-0.01
42) 2,4,6-Tribromophenol	16.398	330	215328	179.769	ng	0.00
45) 2-Fluorobiphenyl	13.543	172	682532	99.655	ng	0.00
79) Terphenyl-d14	20.235	244	1721768	106.613	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	4763	5.673	ng	# 1
19) n-Nitroso-di-n-propyla...	9.477	70	25709	14.978	ng	# 73
51) 2,6-Dinitrotoluene	14.918	165	11726	7.208	ng	# 31
57) 2,4-Dinitrotoluene	14.918	165	11726	5.154	ng	# 28
67) 4-Bromophenyl-phenylether	16.398	248	16029	4.668	ng	# 1
77) Benzidine	20.235	184	23525	2.321	ng	# 86

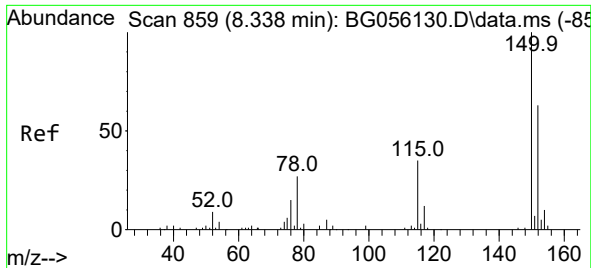
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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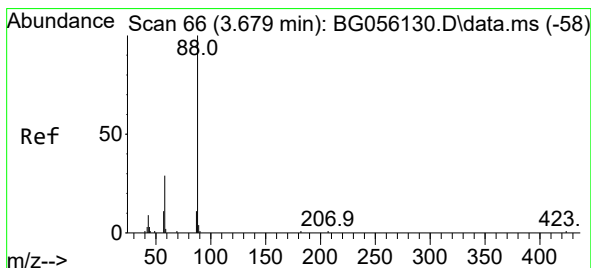
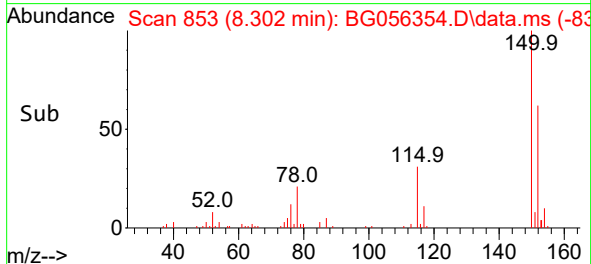
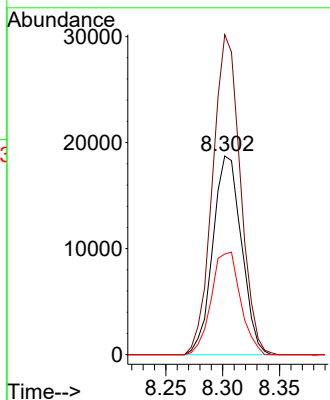
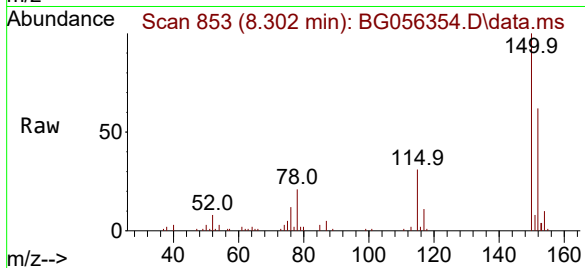




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.302 min Scan# 8
 Delta R.T. -0.004 min
 Lab File: BG056354.D
 Acq: 19 Jan 2023 19:47

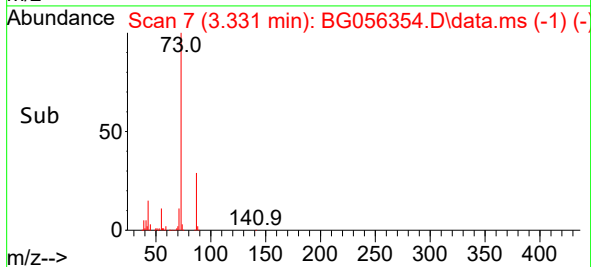
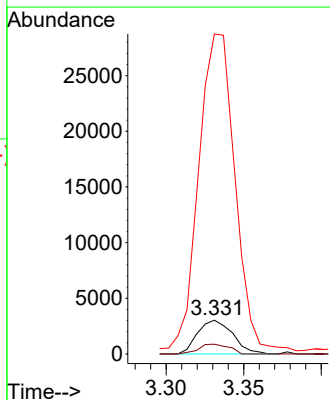
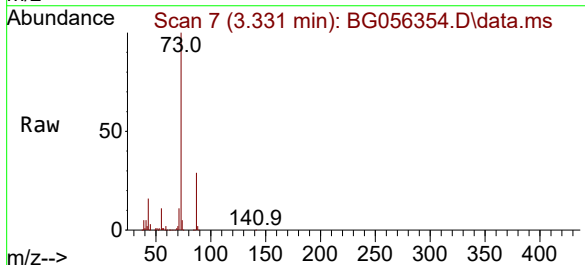
Instrument :
 BNA_G
 ClientSampleId :
 MH-7

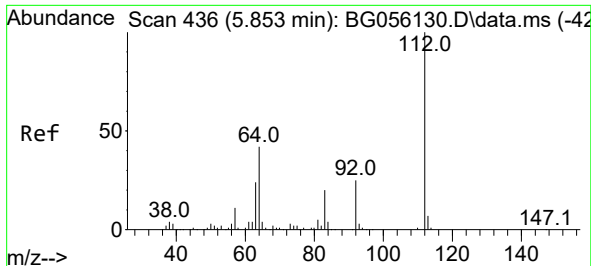
Tgt Ion:152 Resp: 32819
 Ion Ratio Lower Upper
 152 100
 150 161.1 127.9 191.9
 115 50.7 44.2 66.2



#2
 1,4-Dioxane
 Concen: 5.673 ng
 RT: 3.331 min Scan# 7
 Delta R.T. -0.304 min
 Lab File: BG056354.D
 Acq: 19 Jan 2023 19:47

Tgt Ion: 88 Resp: 4763
 Ion Ratio Lower Upper
 88 100
 58 25.2 21.4 32.0
 43 948.8 7.1 10.7#

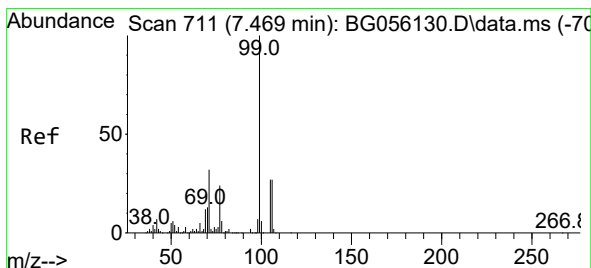
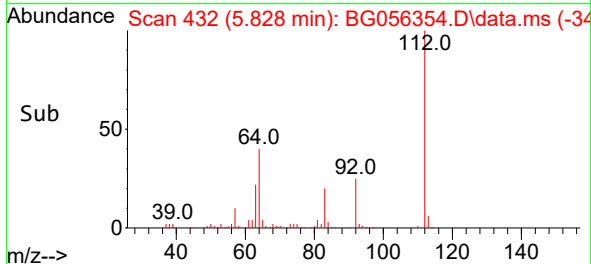
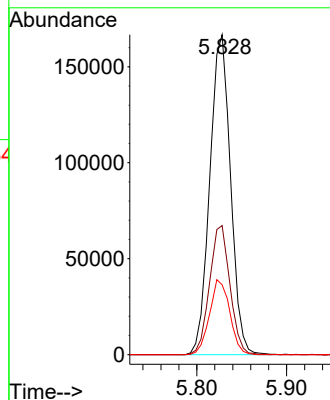
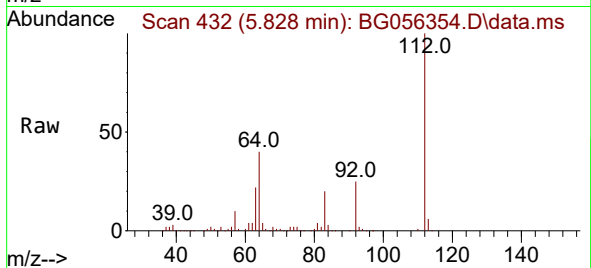




#5
2-Fluorophenol
Concen: 145.358 ng
RT: 5.828 min Scan# 41
Delta R.T. 0.002 min
Lab File: BG056354.D
Acq: 19 Jan 2023 19:47

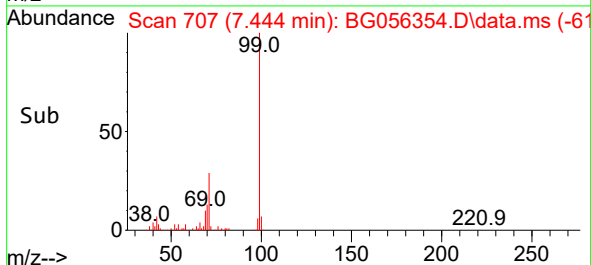
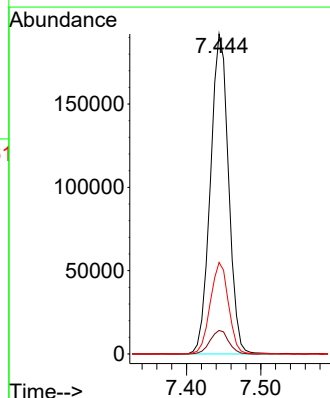
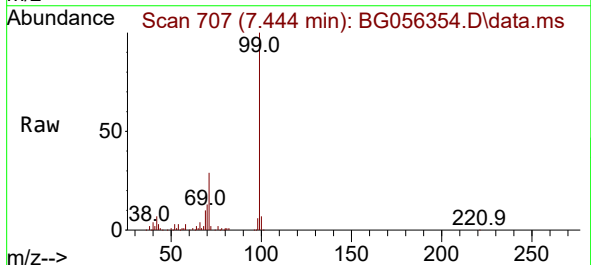
Instrument :
BNA_G
ClientSampleId :
MH-7

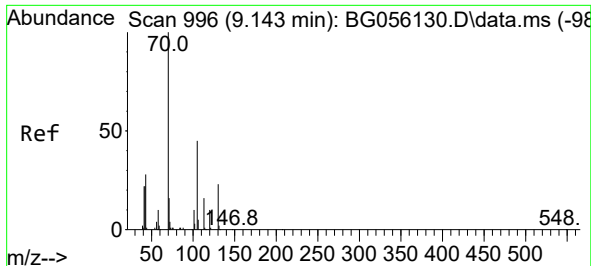
Tgt Ion:112 Resp: 267181
Ion Ratio Lower Upper
112 100
64 40.4 33.3 49.9
63 21.8 19.0 28.4



#7
Phenol-d6
Concen: 115.520 ng
RT: 7.444 min Scan# 707
Delta R.T. -0.004 min
Lab File: BG056354.D
Acq: 19 Jan 2023 19:47

Tgt Ion: 99 Resp: 326088
Ion Ratio Lower Upper
99 100
42 7.4 5.9 8.9
71 28.6 25.4 38.2





#19

n-Nitroso-di-n-propylamine

Concen: 14.978 ng

RT: 9.477 min Scan# 1053

Delta R.T. 0.366 min

Lab File: BG056354.D

Acq: 19 Jan 2023 19:47

Instrument :

BNA_G

ClientSampleId :

MH-7

Tgt Ion: 70 Resp: 25709

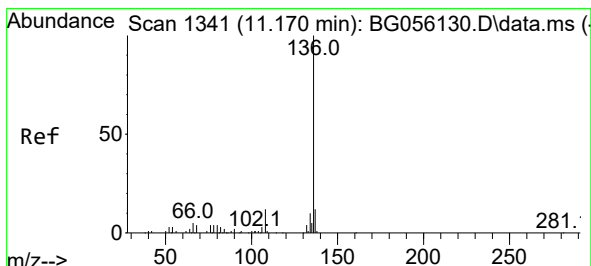
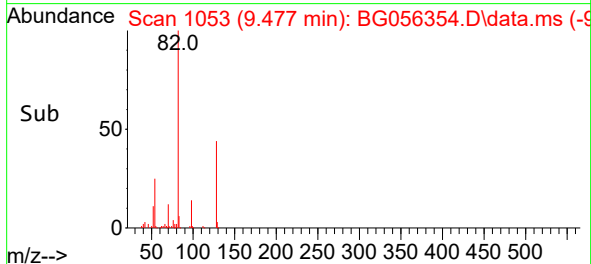
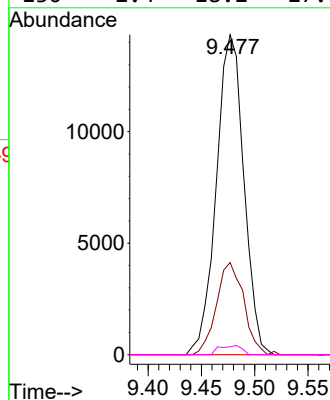
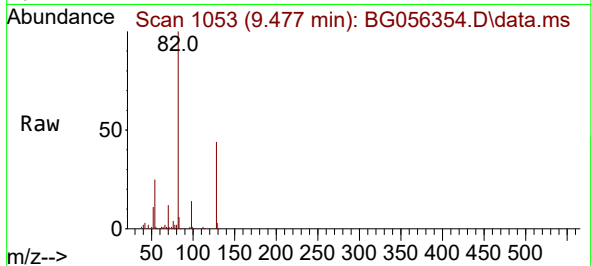
Ion Ratio Lower Upper

70 100

42 28.8 18.2 27.2#

101 0.0 8.3 12.5#

130 2.4 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.134 min Scan# 1335

Delta R.T. -0.004 min

Lab File: BG056354.D

Acq: 19 Jan 2023 19:47

Tgt Ion: 136 Resp: 117695

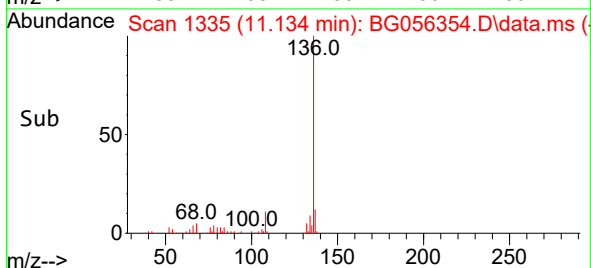
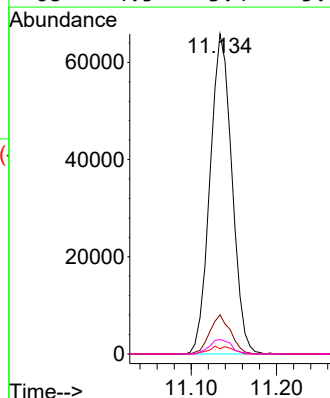
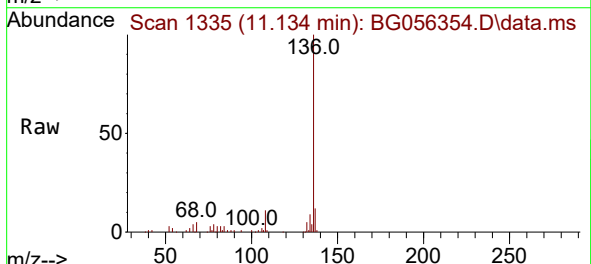
Ion Ratio Lower Upper

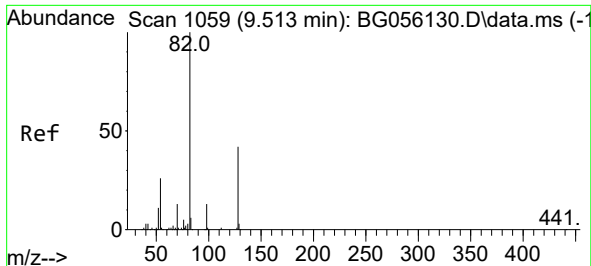
136 100

137 12.2 9.4 14.0

54 1.7 2.2 3.2#

68 4.5 3.4 5.0

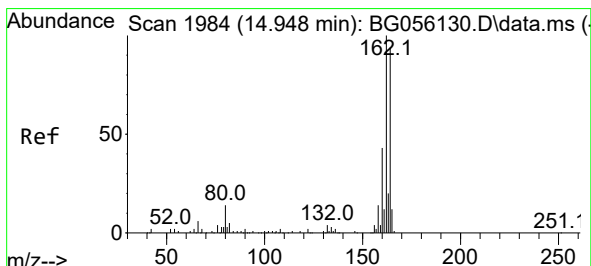
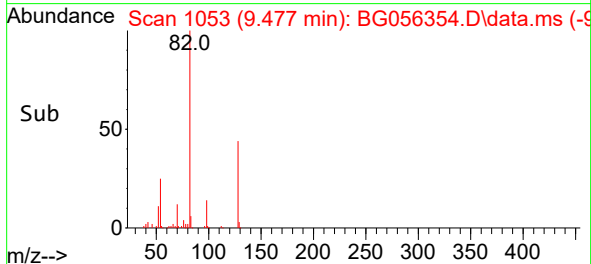
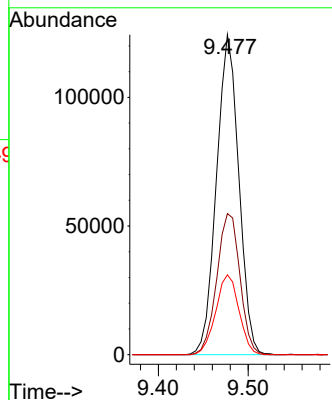
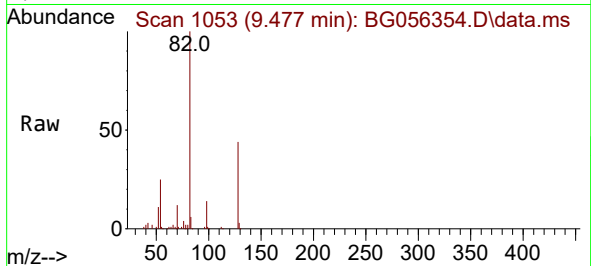




#23
Nitrobenzene-d5
Concen: 93.240 ng
RT: 9.477 min Scan# 1053
Delta R.T. -0.010 min
Lab File: BG056354.D
Acq: 19 Jan 2023 19:47

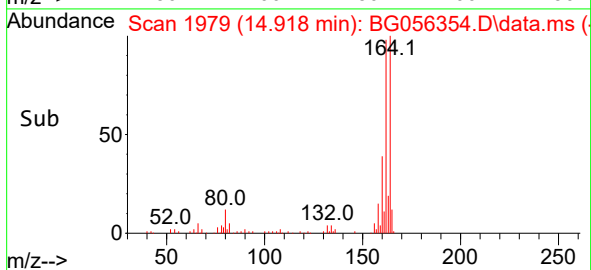
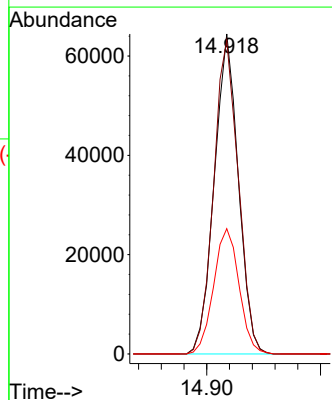
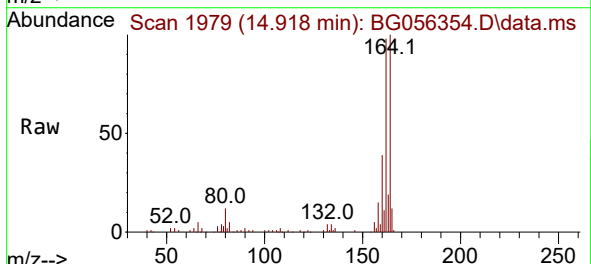
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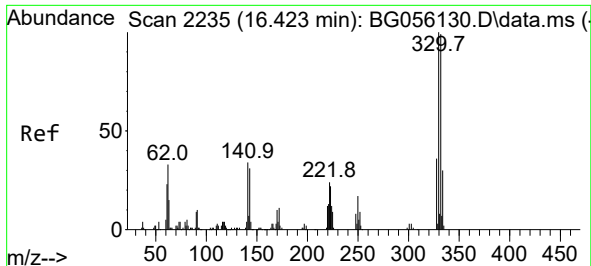
Tgt Ion: 82 Resp: 214537
Ion Ratio Lower Upper
82 100
128 44.1 33.4 50.2
54 25.0 20.3 30.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.918 min Scan# 1979
Delta R.T. -0.004 min
Lab File: BG056354.D
Acq: 19 Jan 2023 19:47

Tgt Ion: 164 Resp: 94577
Ion Ratio Lower Upper
164 100
162 98.0 84.7 127.1
160 39.1 36.3 54.5

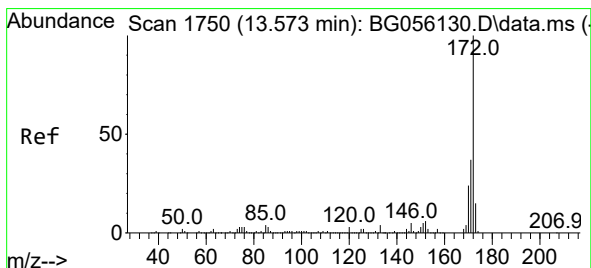
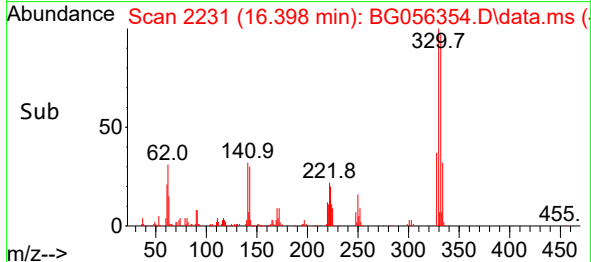
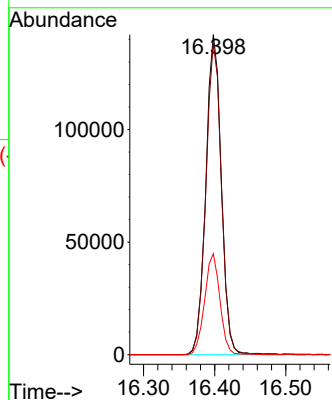
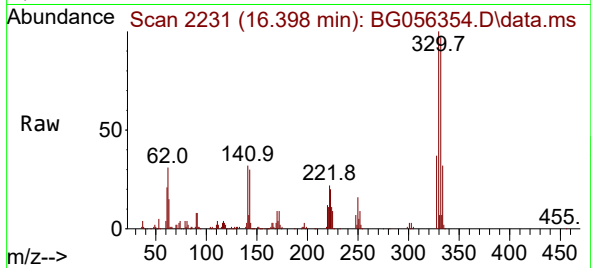




#42
2,4,6-Tribromophenol
Concen: 179.769 ng
RT: 16.398 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG056354.D
Acq: 19 Jan 2023 19:47

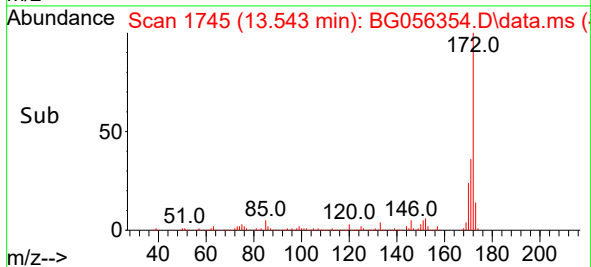
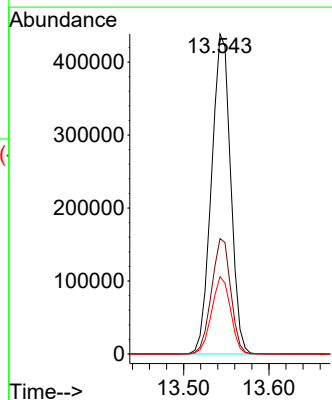
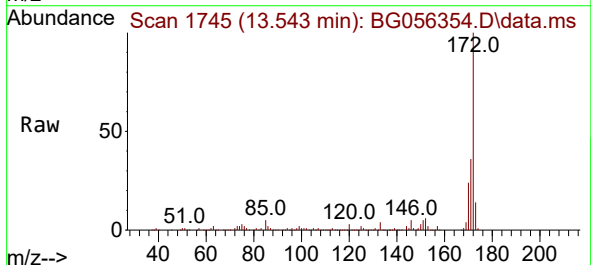
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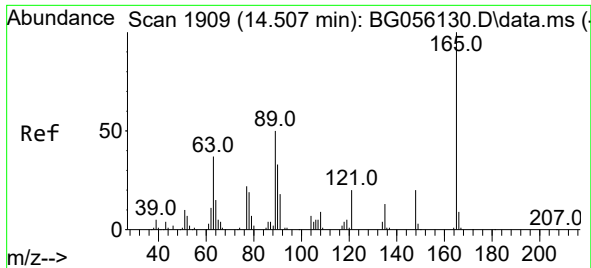
Tgt Ion:330 Resp: 215328
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 31.2 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 99.655 ng
RT: 13.543 min Scan# 1745
Delta R.T. -0.004 min
Lab File: BG056354.D
Acq: 19 Jan 2023 19:47

Tgt Ion:172 Resp: 682532
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 24.2 19.4 29.2

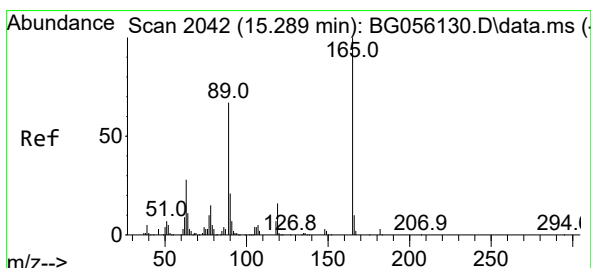
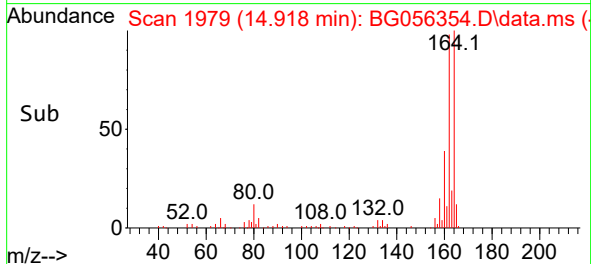
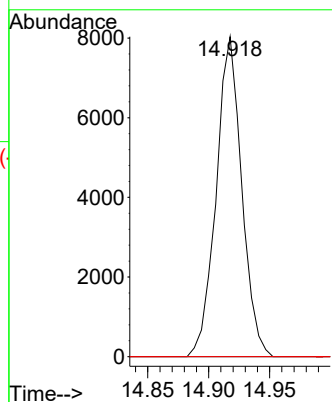
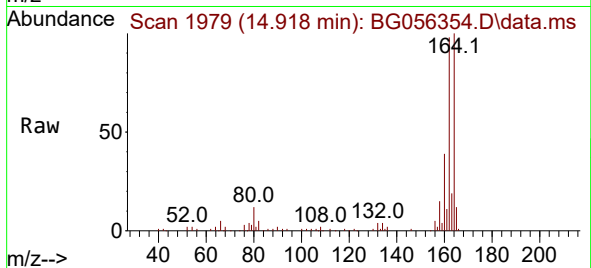




#51
2,6-Dinitrotoluene
Concen: 7.208 ng
RT: 14.918 min Scan# 1909
Delta R.T. 0.431 min
Lab File: BG056354.D
Acq: 19 Jan 2023 19:47

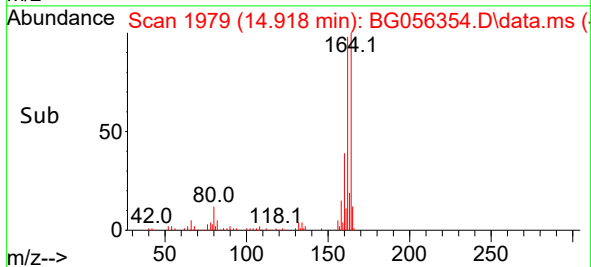
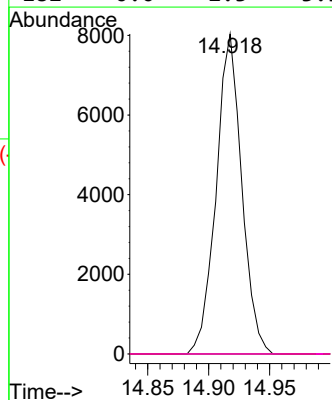
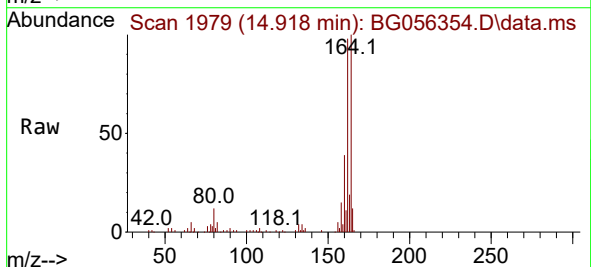
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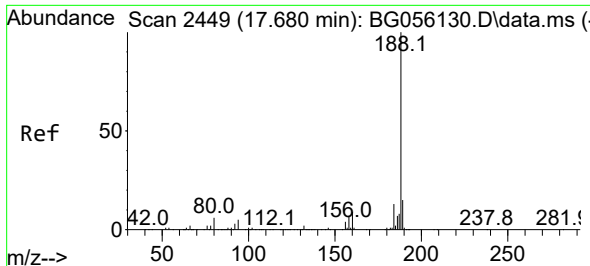
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.2	48.2#
89	0.0	39.8	59.8#



#57
2,4-Dinitrotoluene
Concen: 5.154 ng
RT: 14.918 min Scan# 1979
Delta R.T. -0.357 min
Lab File: BG056354.D
Acq: 19 Jan 2023 19:47

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

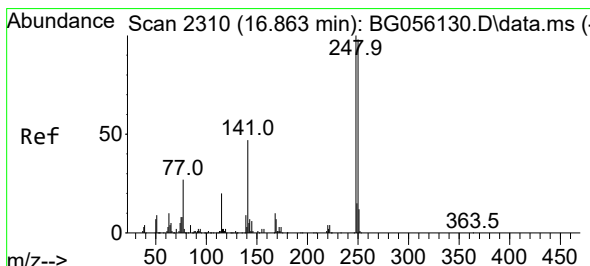
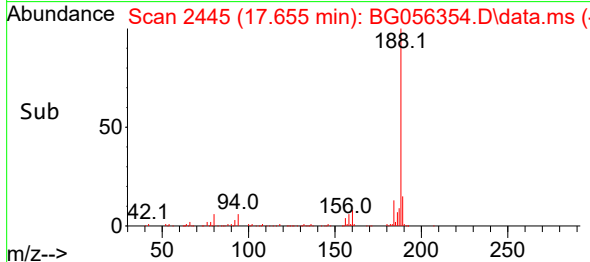
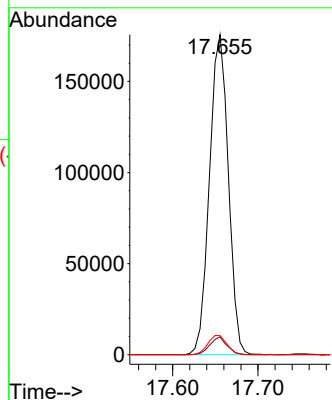
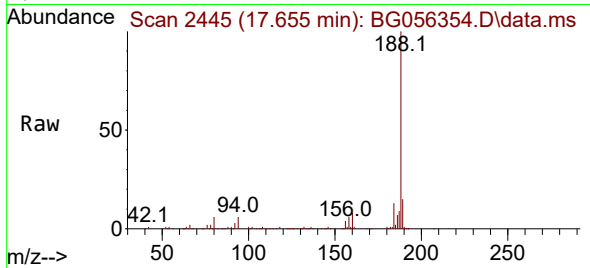




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.655 min Scan# 2449
Delta R.T. -0.004 min
Lab File: BG056354.D
Acq: 19 Jan 2023 19:47

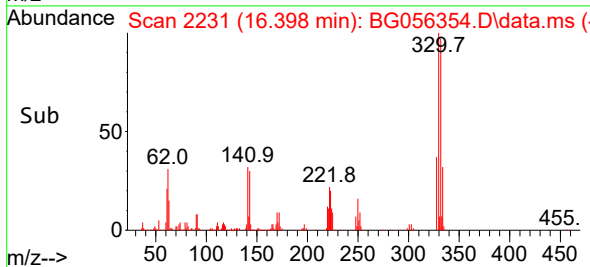
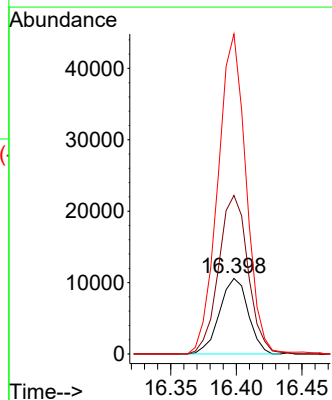
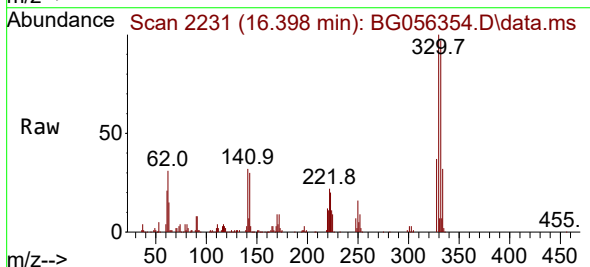
Instrument :
BNA_G
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MH-7

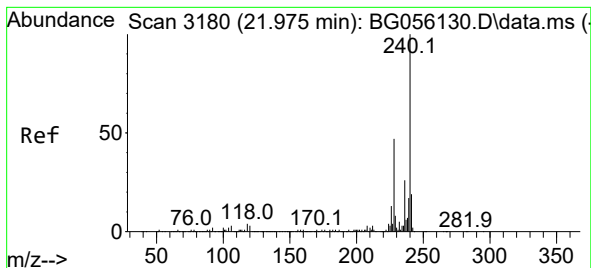
Tgt Ion:188 Resp: 269643
Ion Ratio Lower Upper
188 100
94 5.6 4.2 6.2
80 6.0 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 4.668 ng
RT: 16.398 min Scan# 2231
Delta R.T. -0.439 min
Lab File: BG056354.D
Acq: 19 Jan 2023 19:47

Tgt Ion:248 Resp: 16029
Ion Ratio Lower Upper
248 100
250 209.8 78.2 117.4#
141 423.3 37.6 56.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.950 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG056354.D

Acq: 19 Jan 2023 19:47

Instrument :

BNA_G

ClientSampleId :

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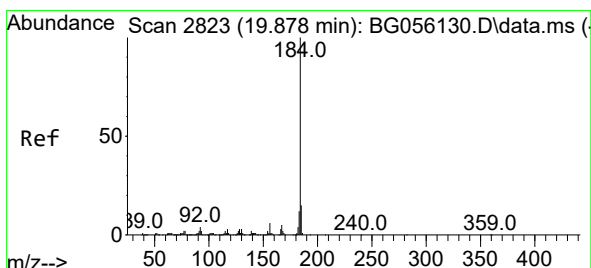
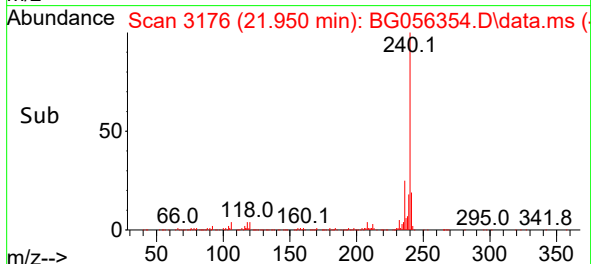
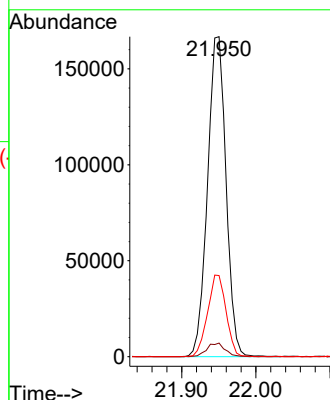
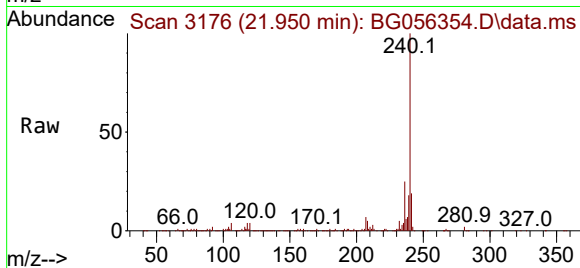
Tgt Ion:240 Resp: 289248

Ion Ratio Lower Upper

240 100

120 4.2 2.6 4.0#

236 25.3 20.8 31.2



#77

Benzidine

Concen: 2.321 ng

RT: 20.235 min Scan# 2884

Delta R.T. 0.378 min

Lab File: BG056354.D

Acq: 19 Jan 2023 19:47

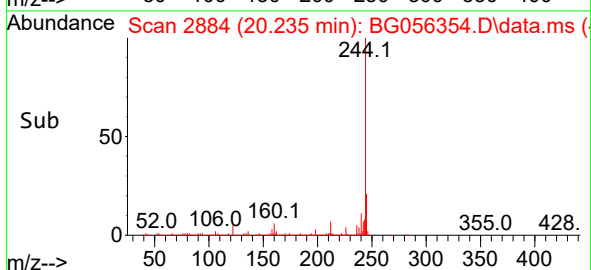
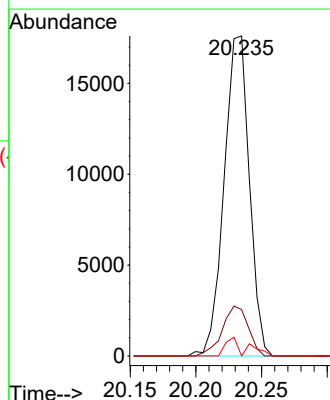
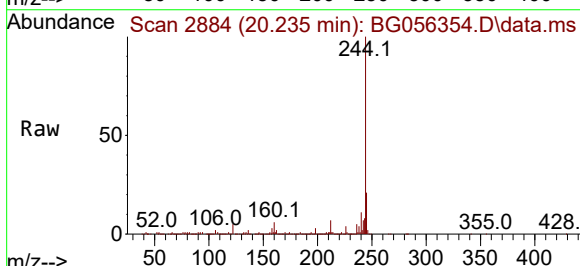
Tgt Ion:184 Resp: 23525

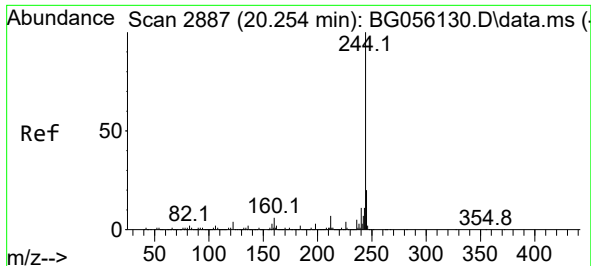
Ion Ratio Lower Upper

184 100

185 14.5 12.2 18.2

183 0.0 9.4 14.0#

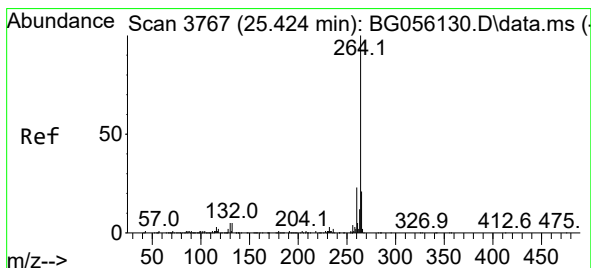
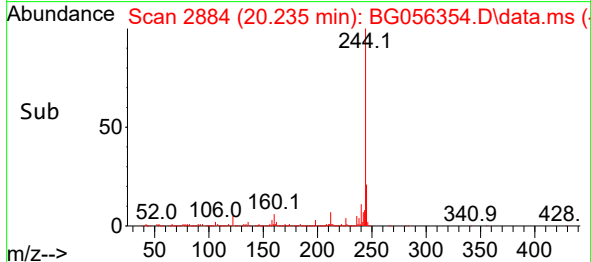
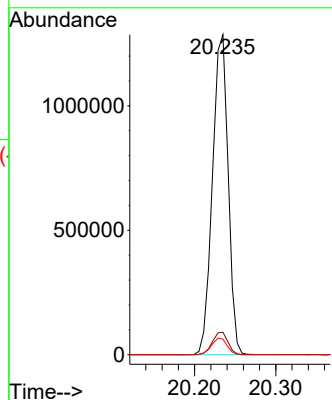
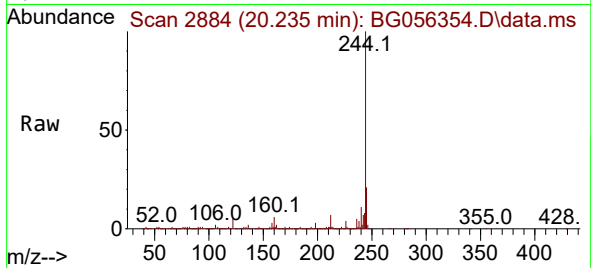




#79
 Terphenyl-d14
 Concen: 106.613 ng
 RT: 20.235 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG056354.D
 Acq: 19 Jan 2023 19:47

Instrument :
 BNA_G
 ClientSampleId :
 MH-7

Tgt Ion:244 Resp: 1721768
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 4.8 3.5 5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.388 min Scan# 3761
 Delta R.T. -0.004 min
 Lab File: BG056354.D
 Acq: 19 Jan 2023 19:47

Tgt Ion:264 Resp: 308444
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.6 28.0
 265 22.0 16.7 25.1

