

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
 Data File : BG056433.D
 Acq On : 25 Jan 2023 20:49
 Operator : CG/JU
 Sample : 01260-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-21

Quant Time: Jan 26 01:13:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 04:54:56 2023
 Response via : Initial Calibration

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

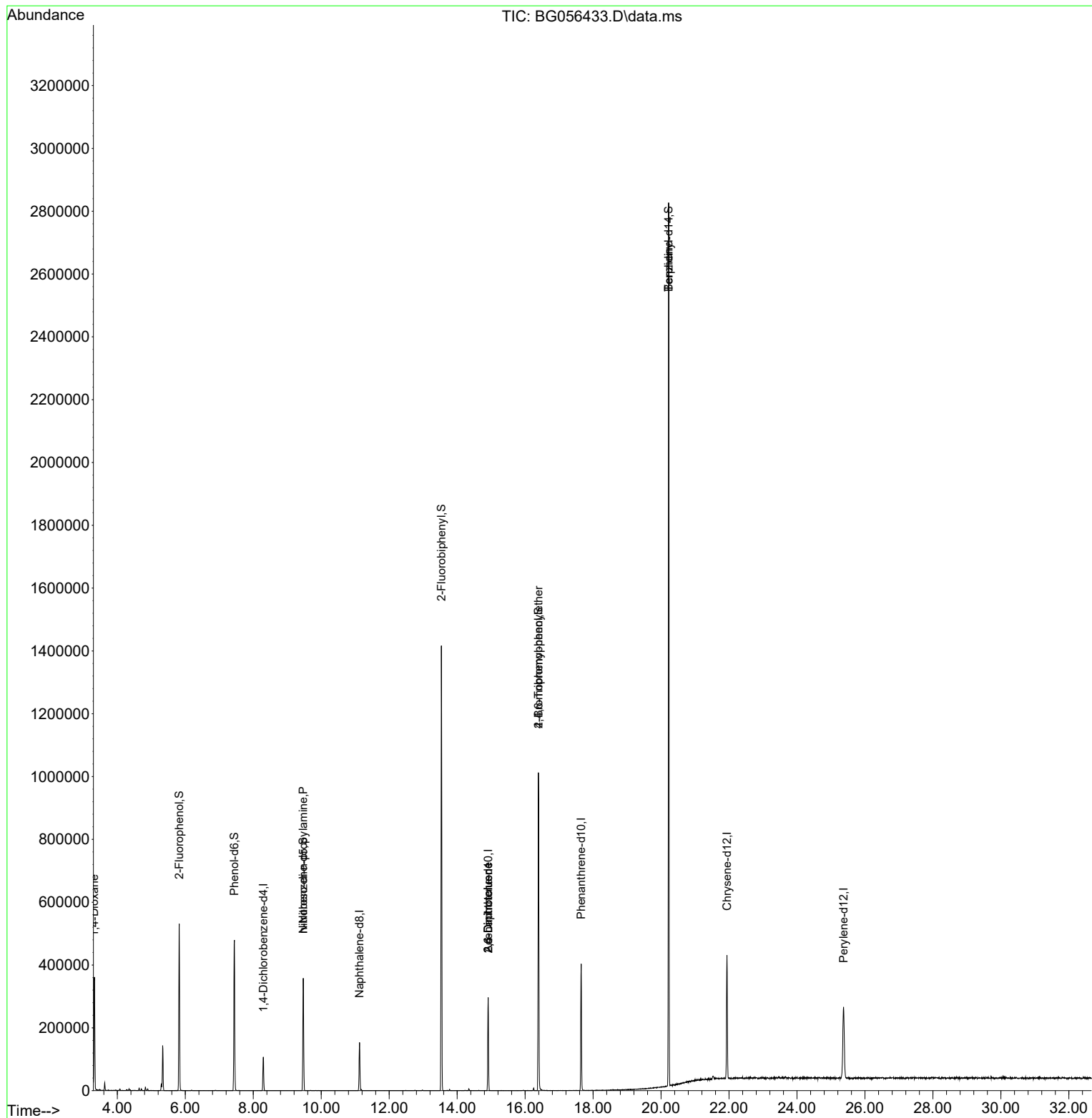
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.294	152	37116	20.000	ng	0.00
21) Naphthalene-d8	11.126	136	143015	20.000	ng	0.00
39) Acenaphthene-d10	14.910	164	113357	20.000	ng	0.00
64) Phenanthrene-d10	17.648	188	285764	20.000	ng	0.00
76) Chrysene-d12	21.937	240	260266	20.000	ng	# 0.00
86) Perylene-d12	25.368	264	284058	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.820	112	305818	147.116	ng	0.00
7) Phenol-d6	7.442	99	379577	118.901	ng	0.00
23) Nitrobenzene-d5	9.469	82	239413	85.630	ng	0.00
42) 2,4,6-Tribromophenol	16.390	330	225301	156.933	ng	0.00
45) 2-Fluorobiphenyl	13.535	172	803577	97.891	ng	0.00
79) Terphenyl-d14	20.221	244	1536237	105.718	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.317	88	4581	4.825	ng	# 1
19) n-Nitroso-di-n-propyla...	9.469	70	30087	15.499	ng	# 72
51) 2,6-Dinitrotoluene	14.910	165	14879	7.631	ng	# 31
57) 2,4-Dinitrotoluene	14.910	165	14879	5.456	ng	# 28
67) 4-Bromophenyl-phenylether	16.390	248	18371	5.048	ng	# 1
77) Benzidine	20.221	184	20898	2.291	ng	# 91

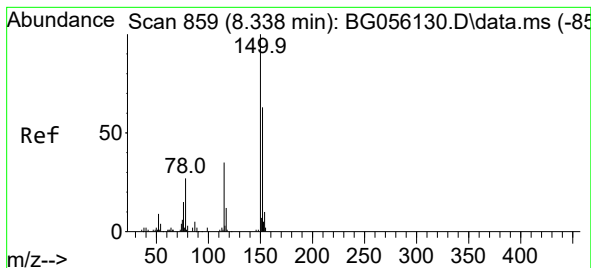
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
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QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.294 min Scan# 8

Delta R.T. 0.001 min

Lab File: BG056433.D

Acq: 25 Jan 2023 20:49

Instrument :

BNA_G

ClientSampleId :

TP-21

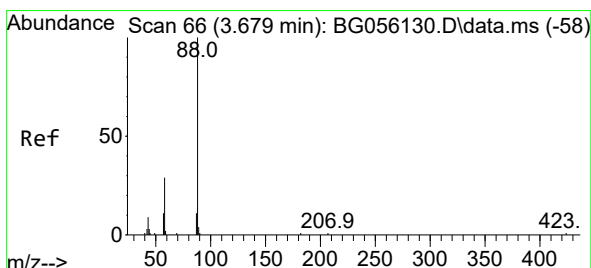
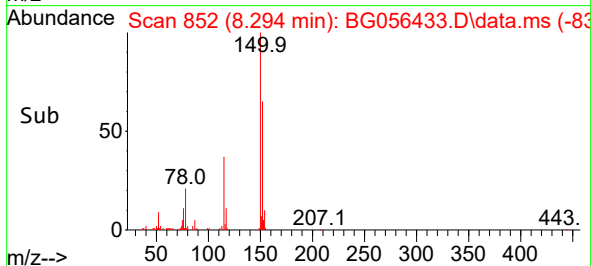
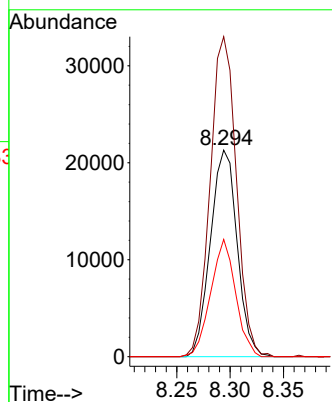
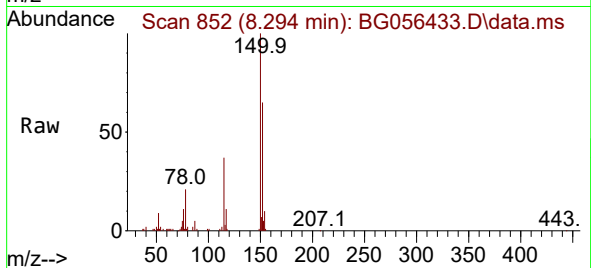
Tgt Ion:152 Resp: 37116

Ion Ratio Lower Upper

152 100

150 154.9 127.9 191.9

115 56.8 44.2 66.2



#2

1,4-Dioxane

Concen: 4.825 ng

RT: 3.317 min Scan# 5

Delta R.T. -0.299 min

Lab File: BG056433.D

Acq: 25 Jan 2023 20:49

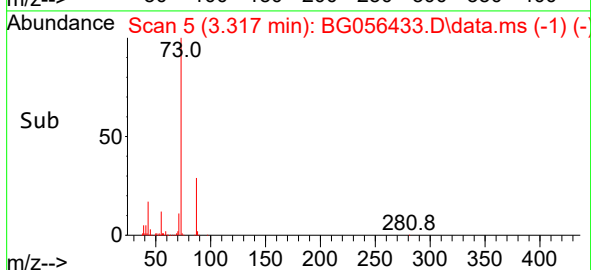
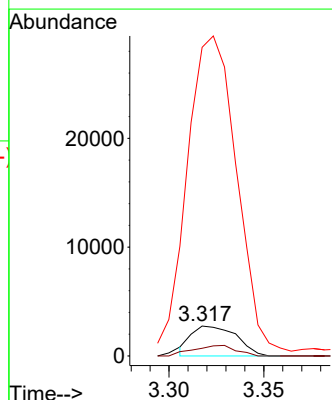
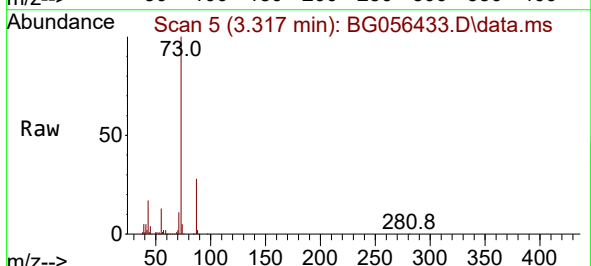
Tgt Ion: 88 Resp: 4581

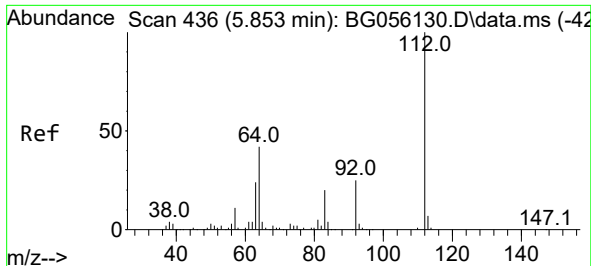
Ion Ratio Lower Upper

88 100

58 30.3 21.4 32.0

43 1033.6 7.1 10.7#

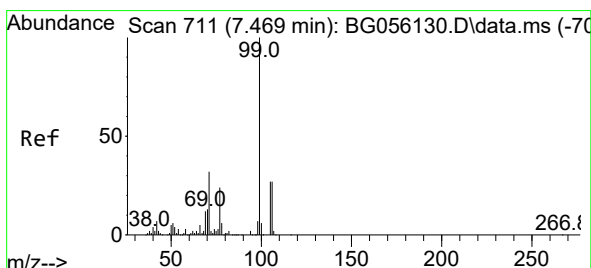
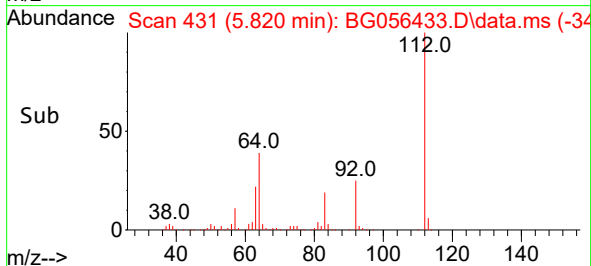
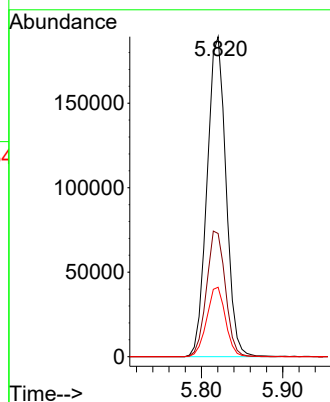
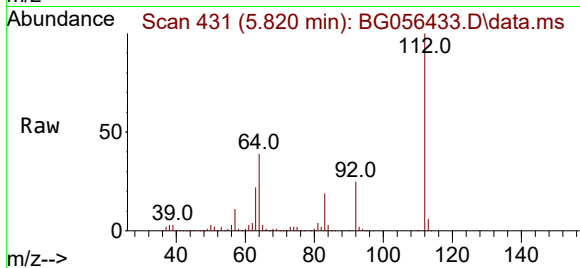




#5
2-Fluorophenol
Concen: 147.116 ng
RT: 5.820 min Scan# 41
Delta R.T. 0.007 min
Lab File: BG056433.D
Acq: 25 Jan 2023 20:49

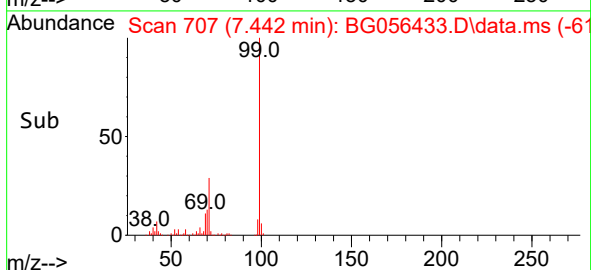
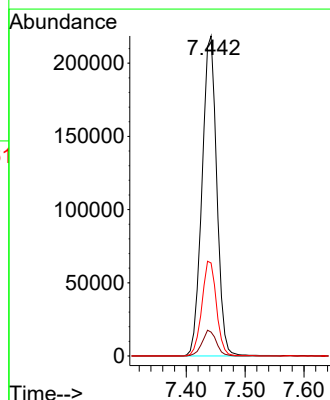
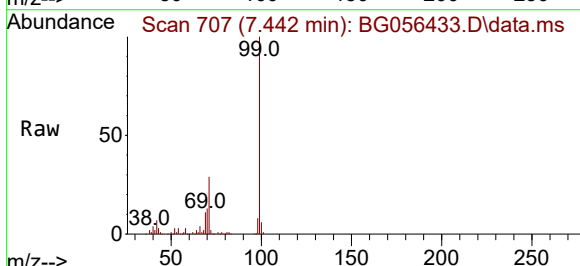
Instrument :
BNA_G
ClientSampleId :
TP-21

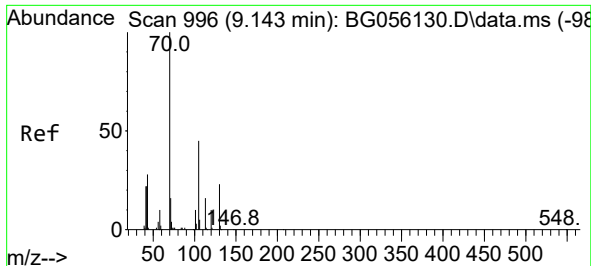
Tgt Ion:112 Resp: 305818
Ion Ratio Lower Upper
112 100
64 38.5 33.3 49.9
63 21.7 19.0 28.4



#7
Phenol-d6
Concen: 118.901 ng
RT: 7.442 min Scan# 707
Delta R.T. 0.007 min
Lab File: BG056433.D
Acq: 25 Jan 2023 20:49

Tgt Ion: 99 Resp: 379577
Ion Ratio Lower Upper
99 100
42 7.5 5.9 8.9
71 29.1 25.4 38.2

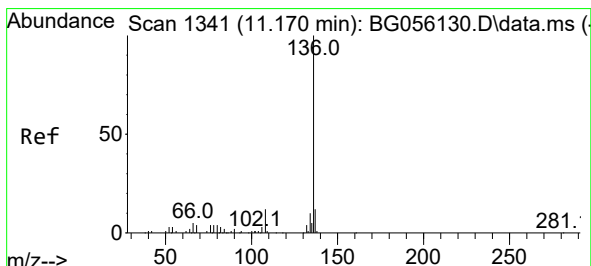
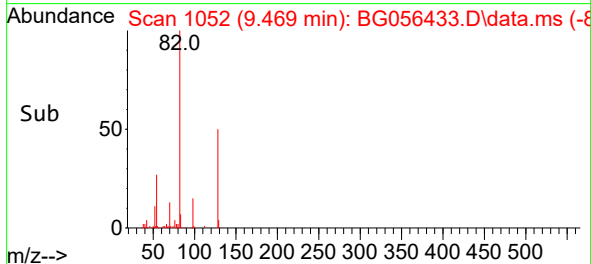
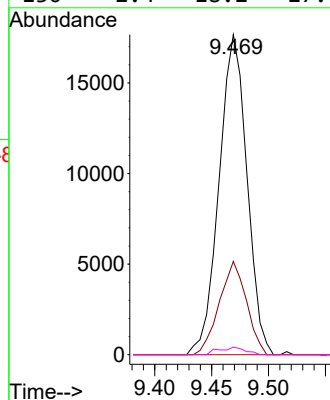
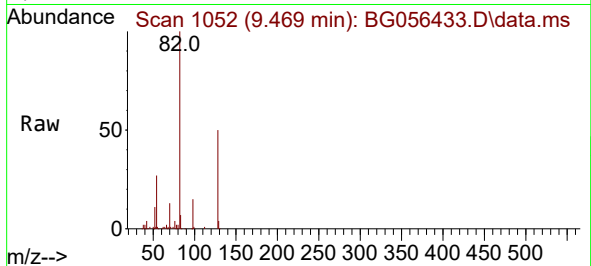




#19
n-Nitroso-di-n-propylamine
Concen: 15.499 ng
RT: 9.469 min Scan# 1052
Delta R.T. 0.371 min
Lab File: BG056433.D
Acq: 25 Jan 2023 20:49

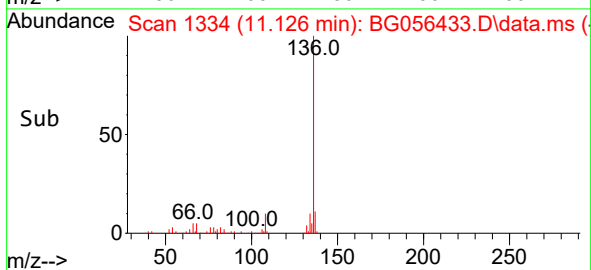
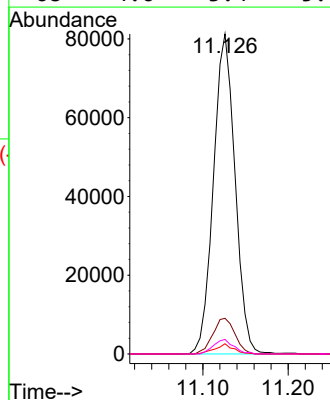
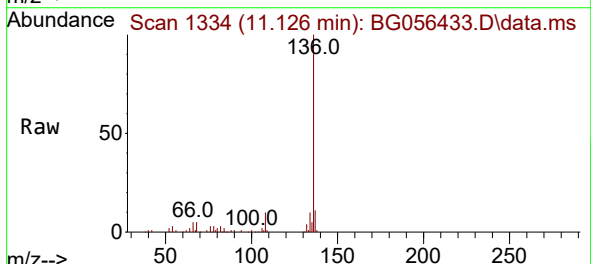
Instrument :
BNA_G
ClientSampleId :
TP-21

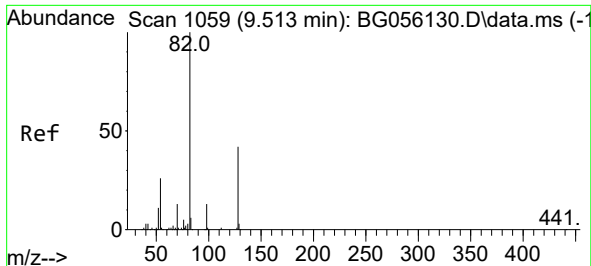
Tgt Ion:	70	Resp:	30087
Ion	Ratio	Lower	Upper
70	100		
42	29.1	18.2	27.2#
101	0.0	8.3	12.5#
130	2.4	18.2	27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.126 min Scan# 1334
Delta R.T. -0.005 min
Lab File: BG056433.D
Acq: 25 Jan 2023 20:49

Tgt Ion:	136	Resp:	143015
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	3.2	2.2	3.2
68	4.6	3.4	5.0





#23

Nitrobenzene-d5

Concen: 85.630 ng

RT: 9.469 min Scan# 1052

Delta R.T. -0.005 min

Lab File: BG056433.D

Acq: 25 Jan 2023 20:49

Instrument :

BNA_G

ClientSampleId :

TP-21

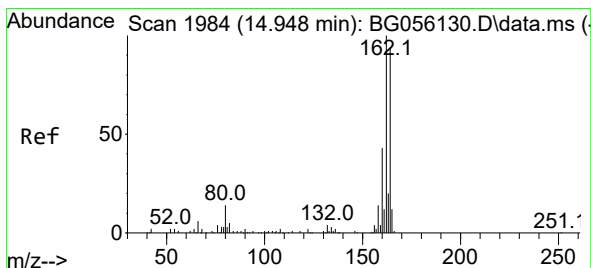
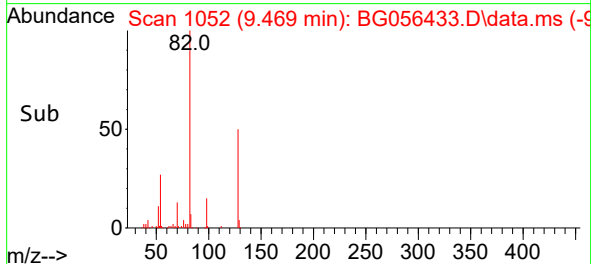
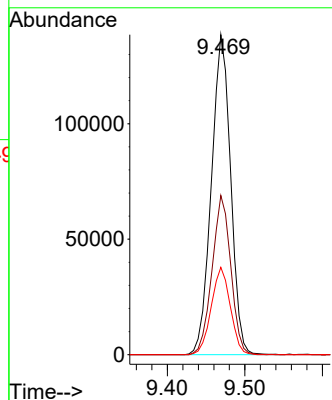
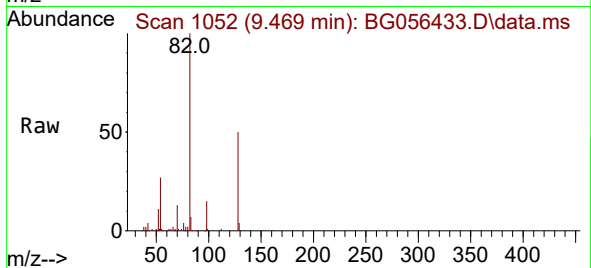
Tgt Ion: 82 Resp: 239413

Ion Ratio Lower Upper

82 100

128 49.8 33.4 50.2

54 27.3 20.3 30.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.910 min Scan# 1978

Delta R.T. -0.005 min

Lab File: BG056433.D

Acq: 25 Jan 2023 20:49

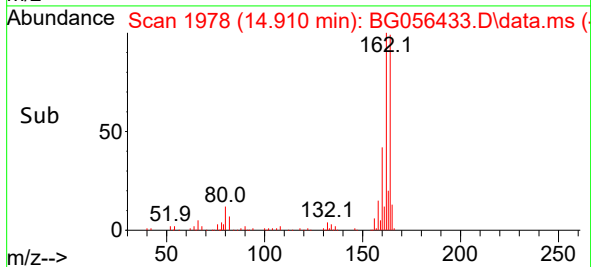
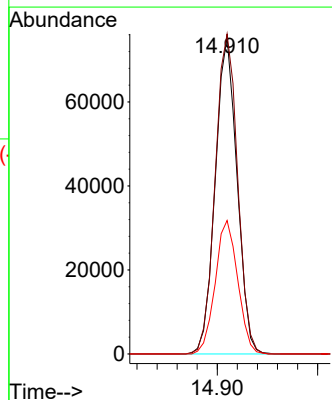
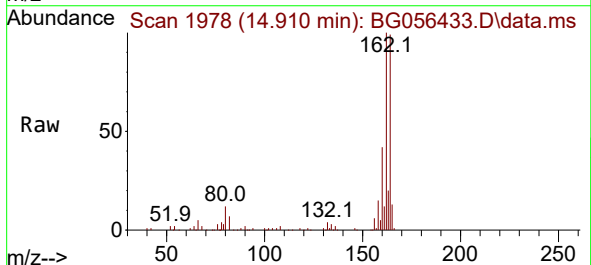
Tgt Ion: 164 Resp: 113357

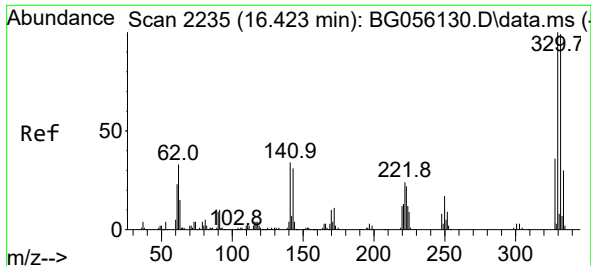
Ion Ratio Lower Upper

164 100

162 101.0 84.7 127.1

160 42.1 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 156.933 ng

RT: 16.390 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG056433.D

Acq: 25 Jan 2023 20:49

Instrument :

BNA_G

ClientSampleId :

TP-21

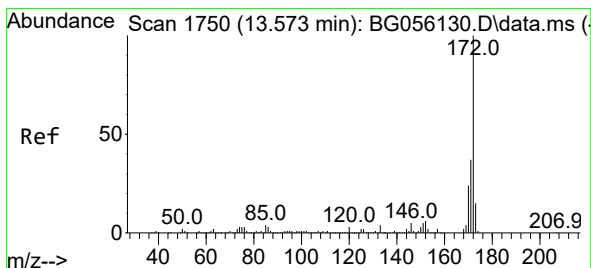
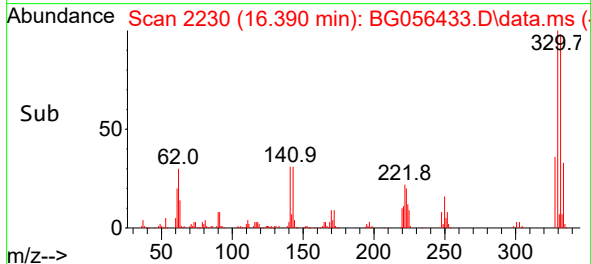
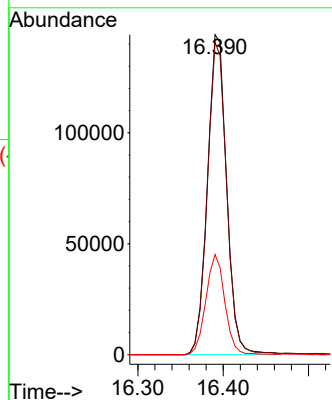
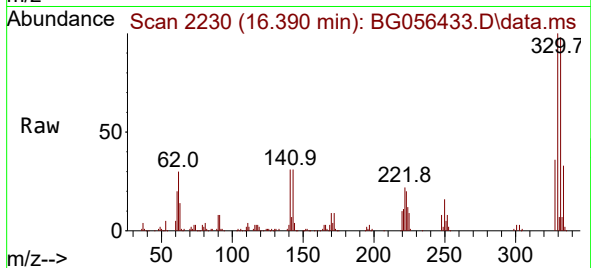
Tgt Ion:330 Resp: 225301

Ion Ratio Lower Upper

330 100

332 98.3 77.3 115.9

141 30.9 27.9 41.9



#45

2-Fluorobiphenyl

Concen: 97.891 ng

RT: 13.535 min Scan# 1744

Delta R.T. -0.005 min

Lab File: BG056433.D

Acq: 25 Jan 2023 20:49

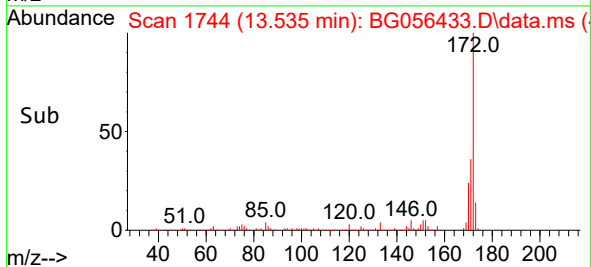
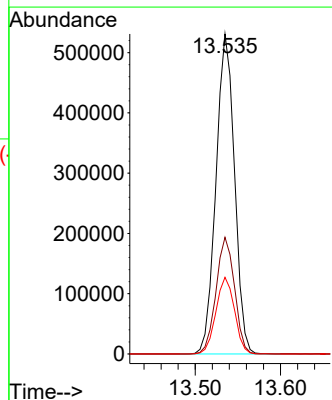
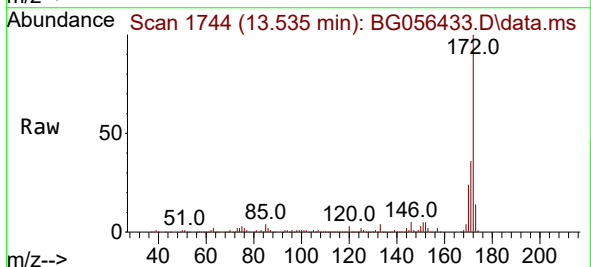
Tgt Ion:172 Resp: 803577

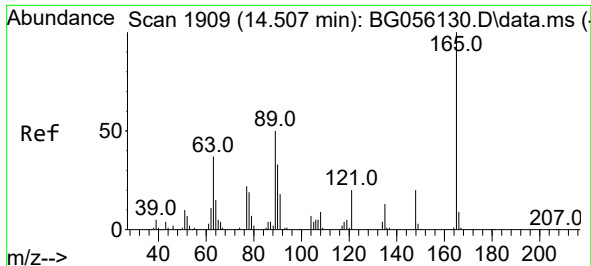
Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

170 23.9 19.4 29.2

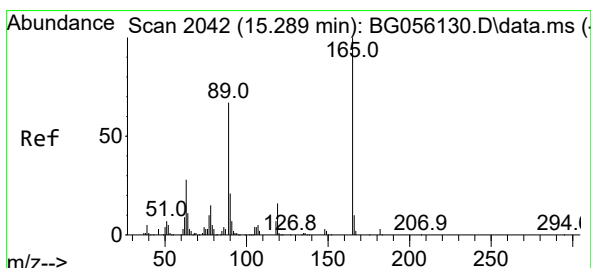
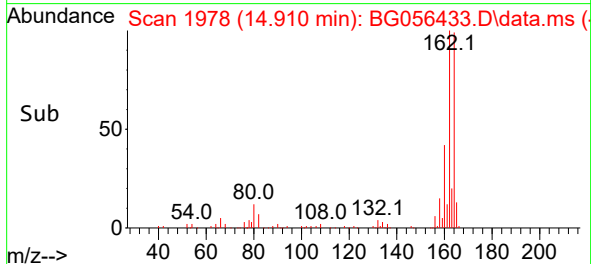
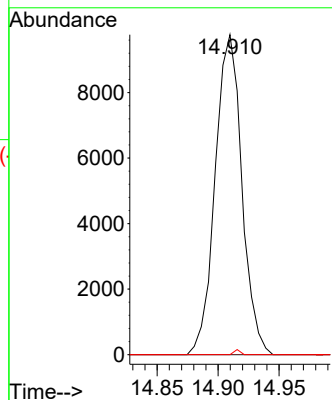
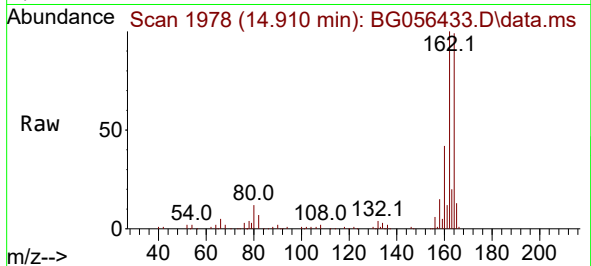




#51
2,6-Dinitrotoluene
Concen: 7.631 ng
RT: 14.910 min Scan# 1909
Delta R.T. 0.430 min
Lab File: BG056433.D
Acq: 25 Jan 2023 20:49

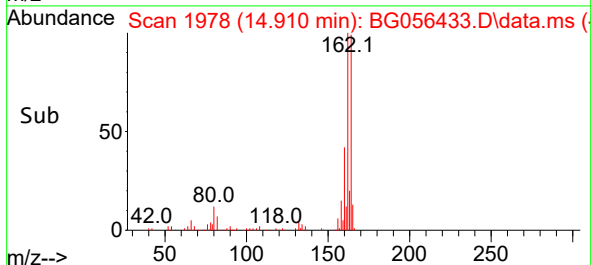
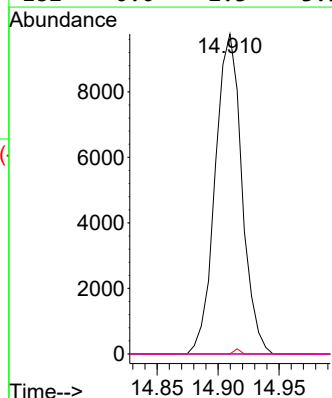
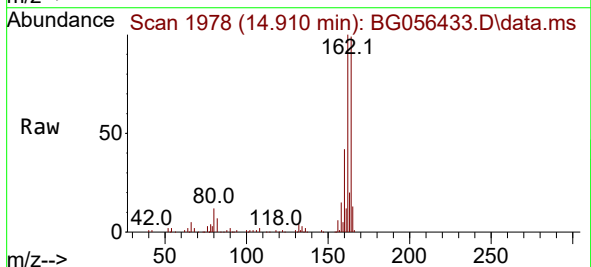
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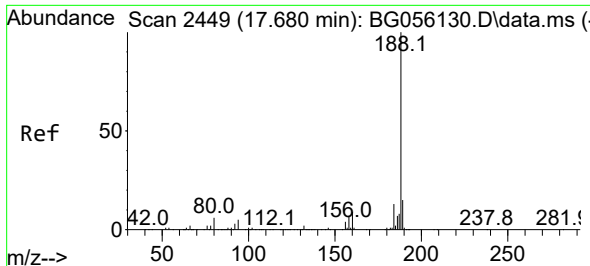
Tgt Ion:165 Resp: 14879
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 5.456 ng
RT: 14.910 min Scan# 1978
Delta R.T. -0.358 min
Lab File: BG056433.D
Acq: 25 Jan 2023 20:49

Tgt Ion:165 Resp: 14879
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#

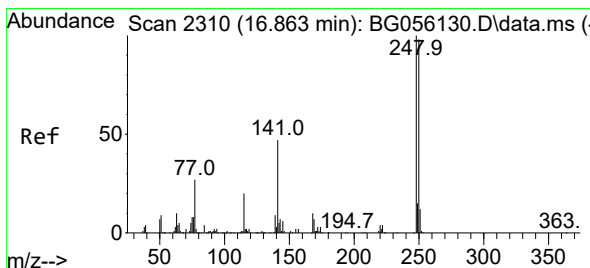
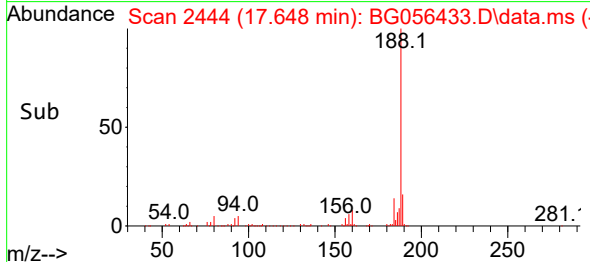
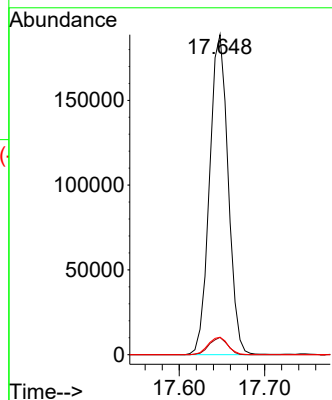
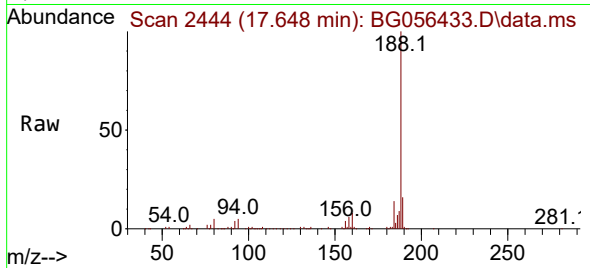




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.648 min Scan# 2449
Delta R.T. -0.005 min
Lab File: BG056433.D
Acq: 25 Jan 2023 20:49

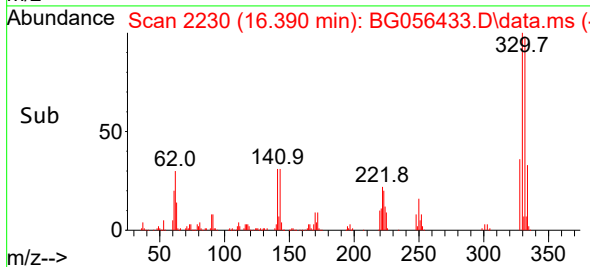
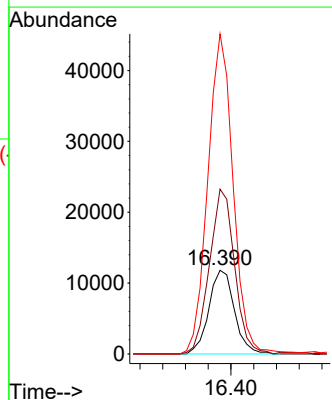
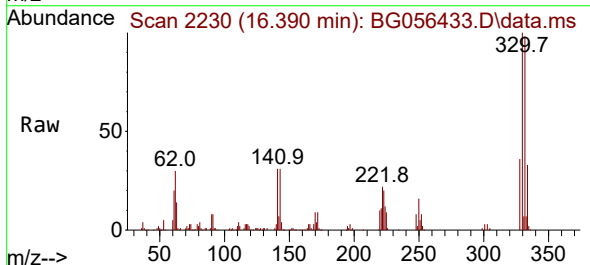
Instrument :
BNA_G
ClientSampleId :
TP-21

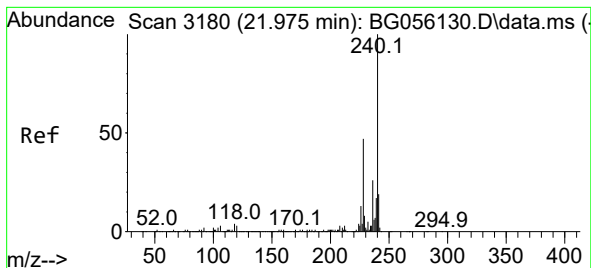
Tgt Ion:188 Resp: 285764
Ion Ratio Lower Upper
188 100
94 5.4 4.2 6.2
80 5.4 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 5.048 ng
RT: 16.390 min Scan# 2230
Delta R.T. -0.440 min
Lab File: BG056433.D
Acq: 25 Jan 2023 20:49

Tgt Ion:248 Resp: 18371
Ion Ratio Lower Upper
248 100
250 197.1 78.2 117.4#
141 382.7 37.6 56.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.937 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056433.D

Acq: 25 Jan 2023 20:49

Instrument :

BNA_G

ClientSampleId :

TP-21

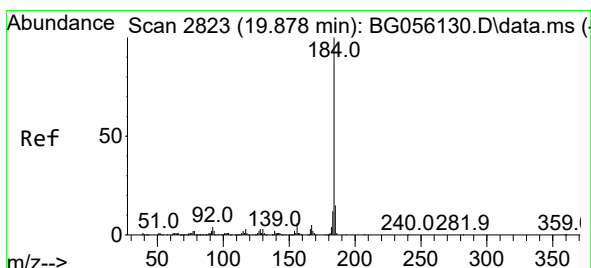
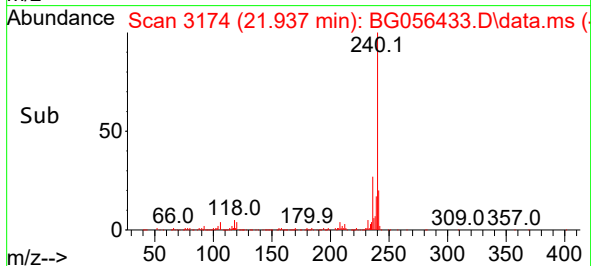
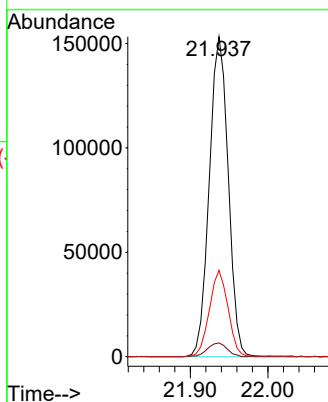
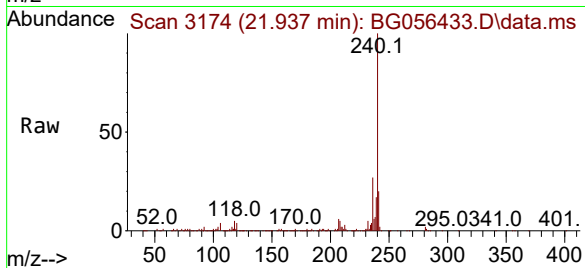
Tgt Ion:240 Resp: 260266

Ion Ratio Lower Upper

240 100

120 4.3 2.6 4.0#

236 27.0 20.8 31.2



#77

Benzidine

Concen: 2.291 ng

RT: 20.221 min Scan# 2882

Delta R.T. 0.371 min

Lab File: BG056433.D

Acq: 25 Jan 2023 20:49

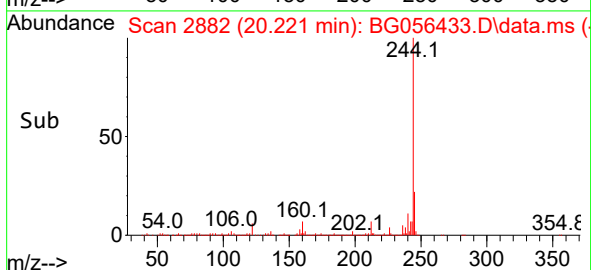
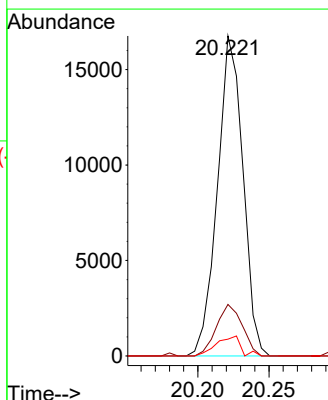
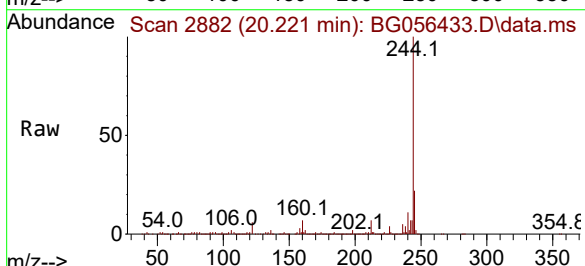
Tgt Ion:184 Resp: 20898

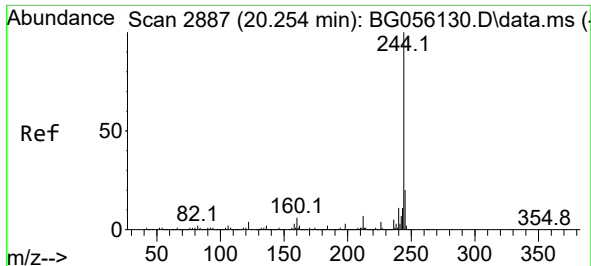
Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.2

183 5.2 9.4 14.0#

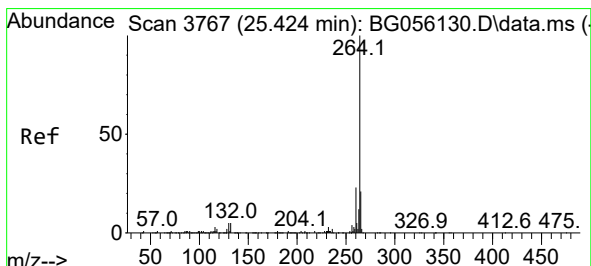
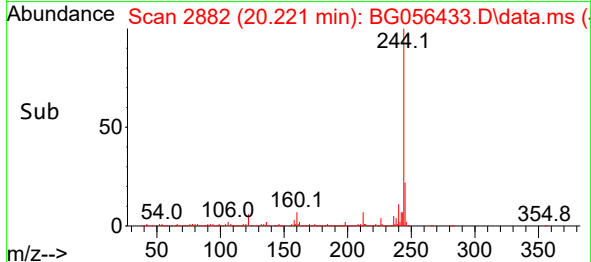
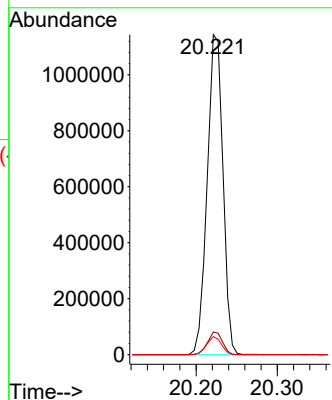
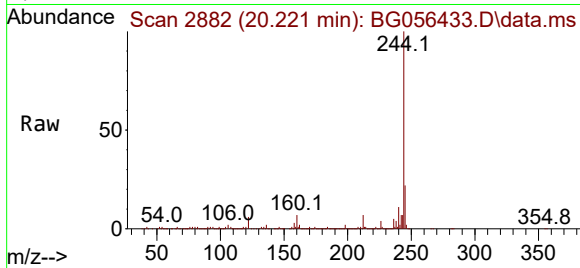




#79
 Terphenyl-d14
 Concen: 105.718 ng
 RT: 20.221 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG056433.D
 Acq: 25 Jan 2023 20:49

Instrument :
 BNA_G
 ClientSampleId :
 TP-21

Tgt Ion:244 Resp: 1536237
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 5.7 3.5 5.3#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.368 min Scan# 3758
 Delta R.T. -0.005 min
 Lab File: BG056433.D
 Acq: 25 Jan 2023 20:49

Tgt Ion:264 Resp: 284058
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.4 16.7 25.1

