

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
 Data File : BG056430.D
 Acq On : 25 Jan 2023 18:46
 Operator : CG/JU
 Sample : 01260-20
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-27

Quant Time: Jan 26 01:13:07 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)

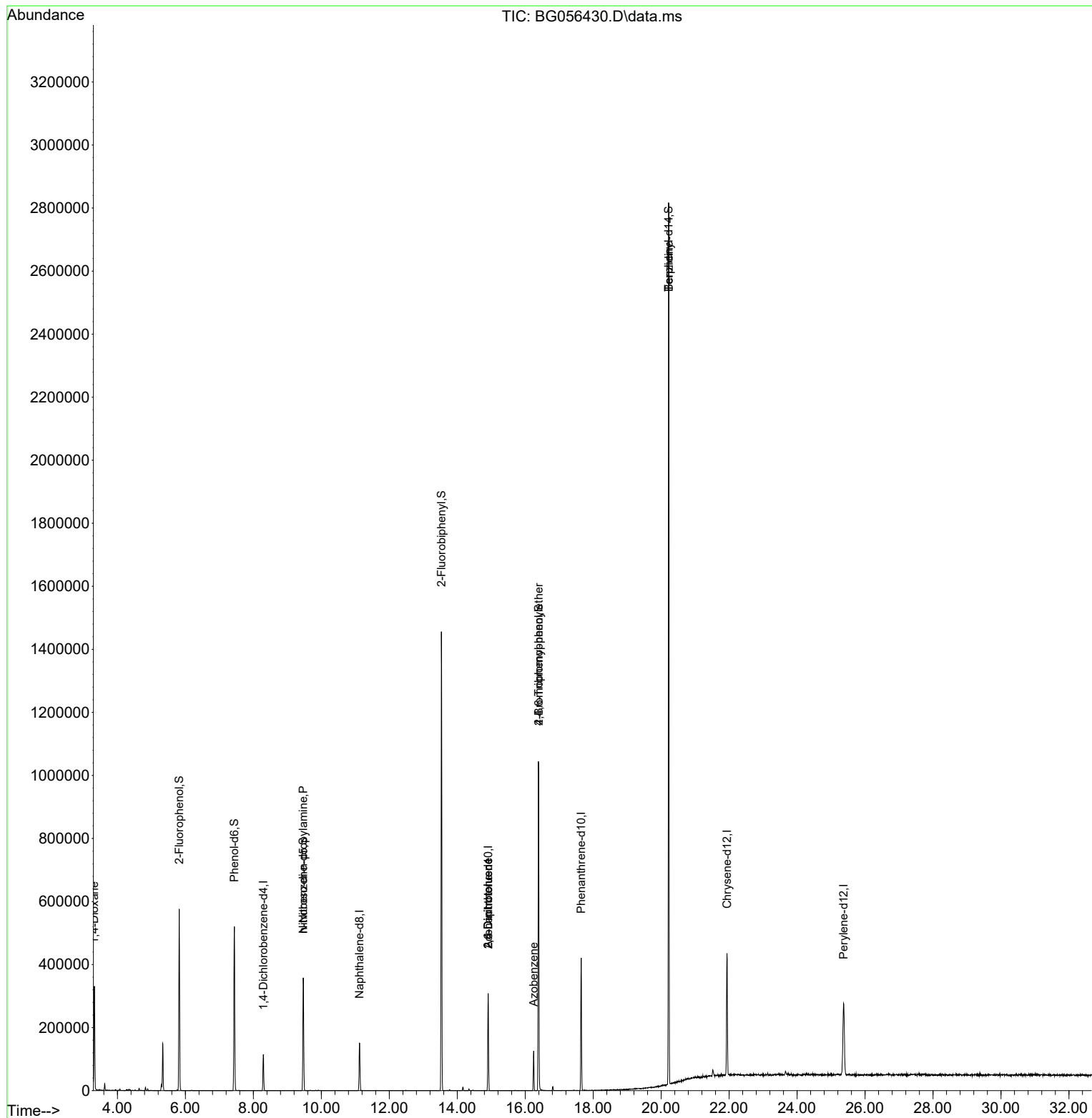
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.293	152	38869	20.000	ng	0.00
21) Naphthalene-d8	11.125	136	149008	20.000	ng	0.00
39) Acenaphthene-d10	14.909	164	116491	20.000	ng	0.00
64) Phenanthrene-d10	17.647	188	289615	20.000	ng	0.00
76) Chrysene-d12	21.936	240	266313	20.000	ng	# 0.00
86) Perylene-d12	25.367	264	290466	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.819	112	325834	149.676	ng	0.00
7) Phenol-d6	7.441	99	410232	122.708	ng	0.00
23) Nitrobenzene-d5	9.468	82	253269	86.942	ng	0.00
42) 2,4,6-Tribromophenol	16.395	330	236303	160.169	ng	0.00
45) 2-Fluorobiphenyl	13.534	172	835936	99.093	ng	0.00
79) Terphenyl-d14	20.220	244	1587501	106.765	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.316	88	4413	4.438	ng	# 1
19) n-Nitroso-di-n-propyla...	9.468	70	30227	14.869	ng	# 72
51) 2,6-Dinitrotoluene	14.909	165	15477	7.724	ng	# 33
57) 2,4-Dinitrotoluene	14.909	165	15477	5.523	ng	# 30
63) Azobenzene	16.248	77	32296	4.746	ng	# 1
67) 4-Bromophenyl-phenylether	16.395	248	18212	4.938	ng	# 1
77) Benzidine	20.226	184	21577	2.312	ng	# 86

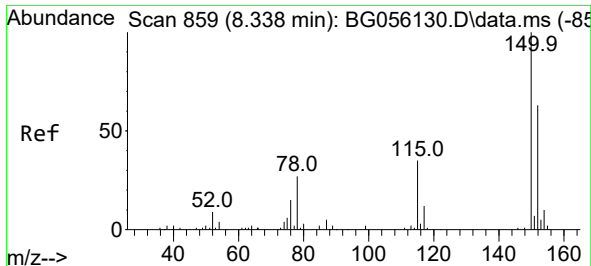
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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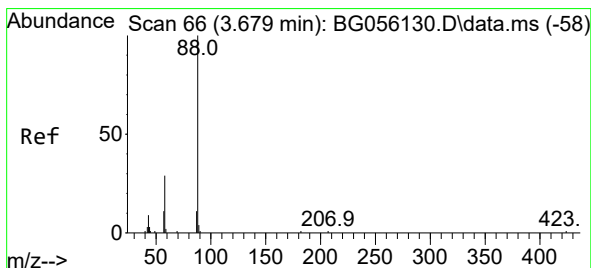
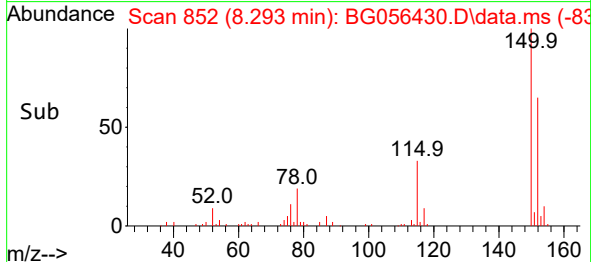
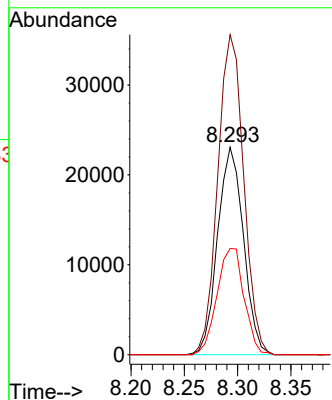
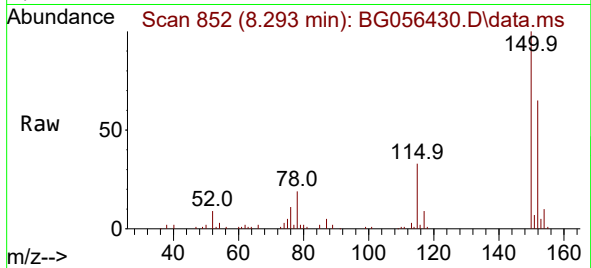




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.293 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

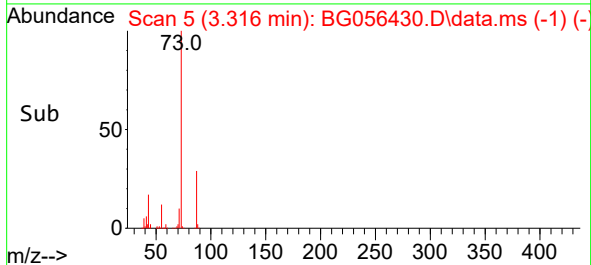
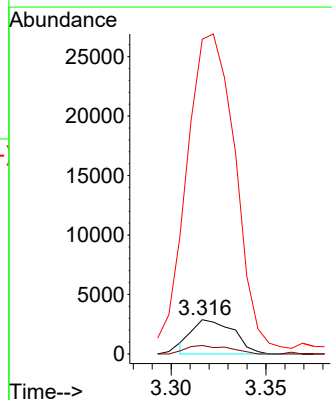
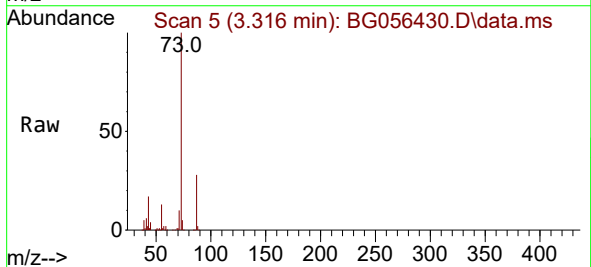
Instrument :
BNA_G
ClientSampleId :
TP-27

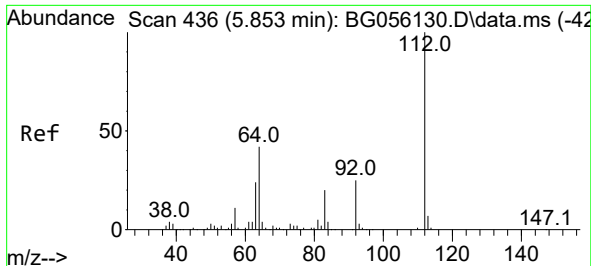
Tgt Ion:152 Resp: 38869
Ion Ratio Lower Upper
152 100
150 154.3 127.9 191.9
115 51.2 44.2 66.2



#2
1,4-Dioxane
Concen: 4.438 ng
RT: 3.316 min Scan# 5
Delta R.T. -0.300 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

Tgt Ion: 88 Resp: 4413
Ion Ratio Lower Upper
88 100
58 24.0 21.4 32.0
43 951.2 7.1 10.7#

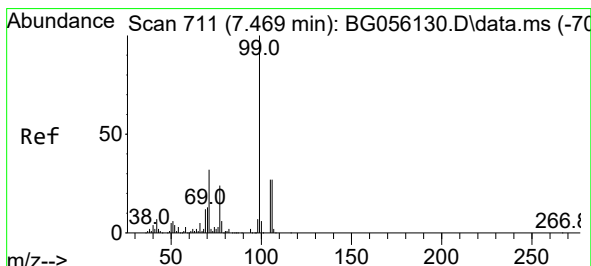
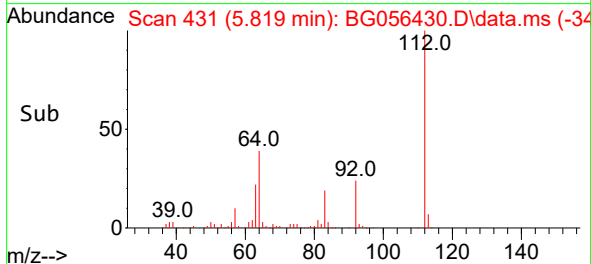
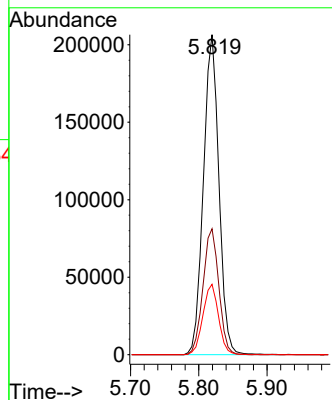
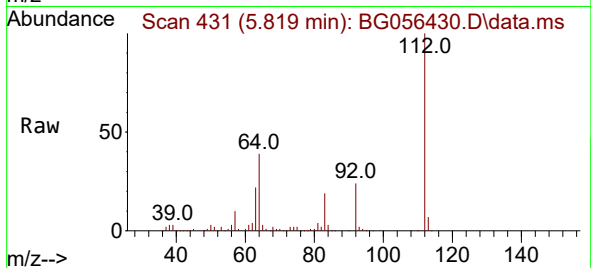




#5
2-Fluorophenol
Concen: 149.676 ng
RT: 5.819 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

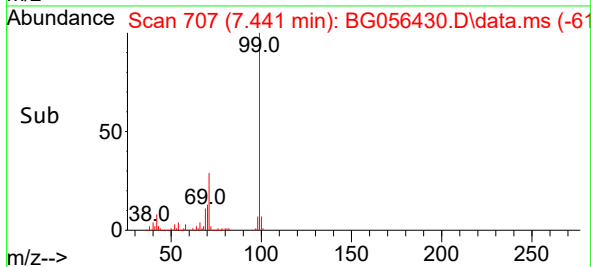
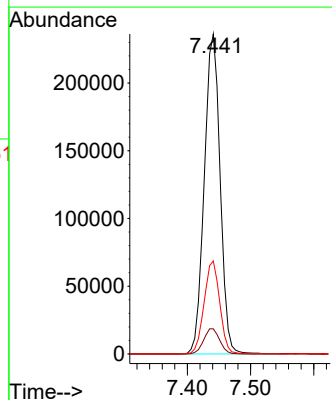
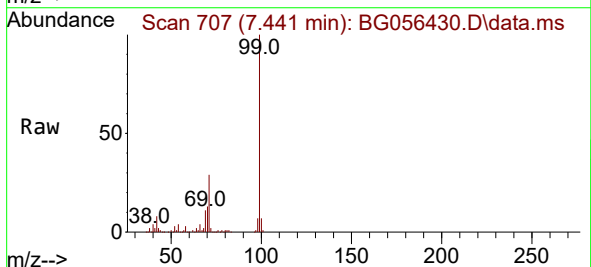
Instrument :
BNA_G
ClientSampleId :
TP-27

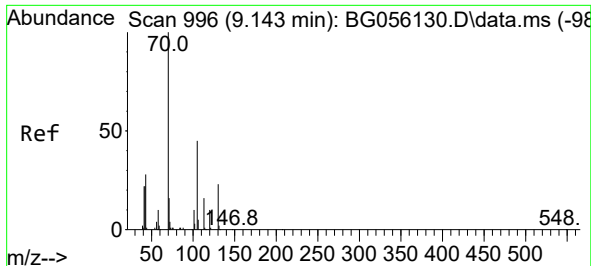
Tgt Ion:112 Resp: 325834
Ion Ratio Lower Upper
112 100
64 39.3 33.3 49.9
63 22.0 19.0 28.4



#7
Phenol-d6
Concen: 122.708 ng
RT: 7.441 min Scan# 707
Delta R.T. 0.006 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

Tgt Ion: 99 Resp: 410232
Ion Ratio Lower Upper
99 100
42 7.9 5.9 8.9
71 29.1 25.4 38.2





#19

n-Nitroso-di-n-propylamine

Concen: 14.869 ng

RT: 9.468 min Scan# 1052

Delta R.T. 0.370 min

Lab File: BG056430.D

Acq: 25 Jan 2023 18:46

Instrument :

BNA_G

ClientSampleId :

TP-27

Tgt Ion: 70 Resp: 30227

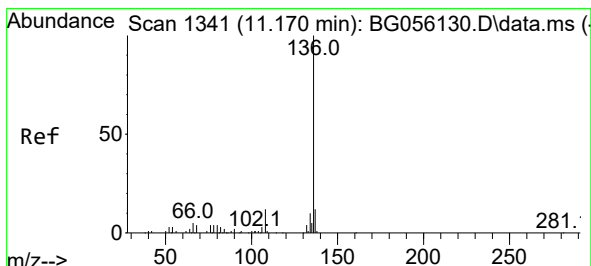
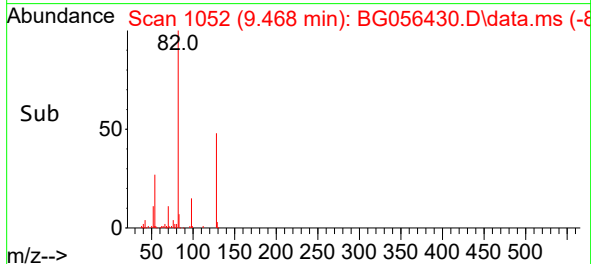
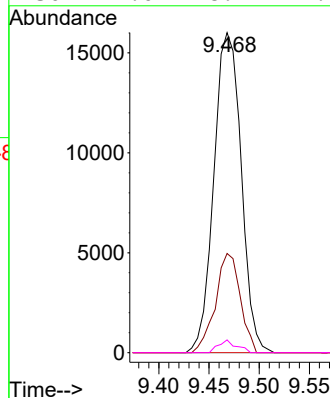
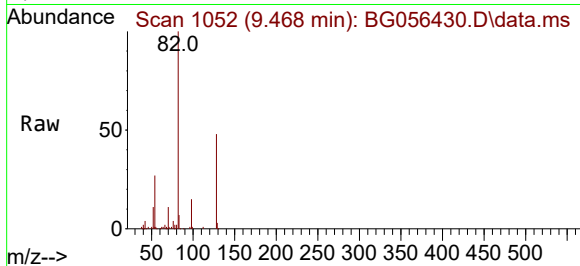
Ion Ratio Lower Upper

70 100

42 31.0 18.2 27.2#

101 0.0 8.3 12.5#

130 4.0 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.125 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BG056430.D

Acq: 25 Jan 2023 18:46

Tgt Ion: 136 Resp: 149008

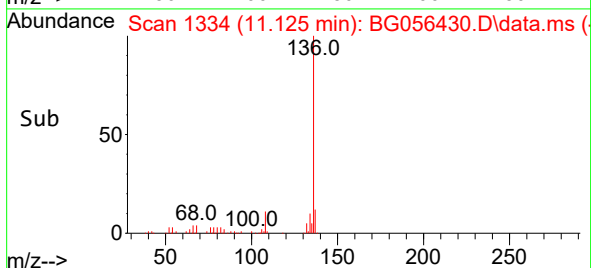
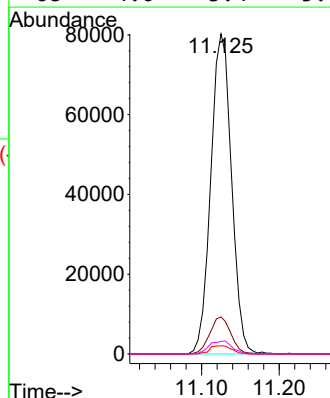
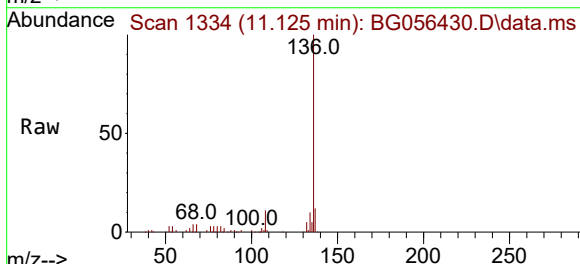
Ion Ratio Lower Upper

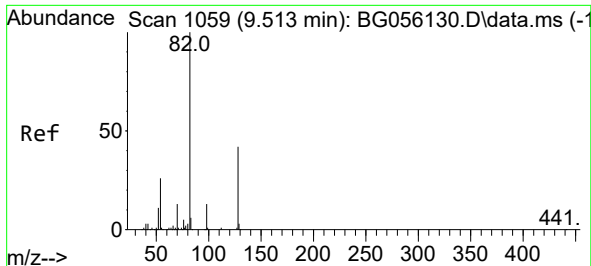
136 100

137 11.6 9.4 14.0

54 2.5 2.2 3.2

68 4.0 3.4 5.0





#23

Nitrobenzene-d5

Concen: 86.942 ng

RT: 9.468 min Scan# 1052

Delta R.T. -0.006 min

Lab File: BG056430.D

Acq: 25 Jan 2023 18:46

Instrument :

BNA_G

ClientSampleId :

TP-27

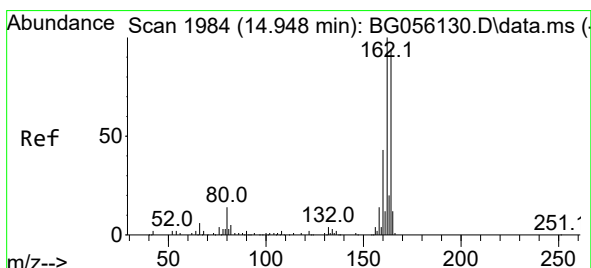
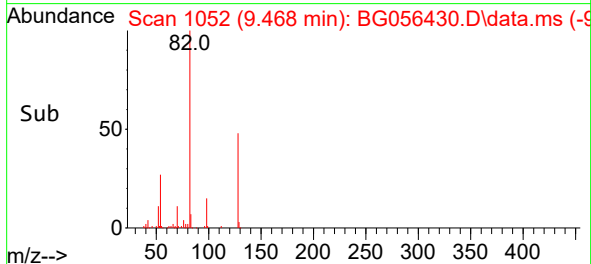
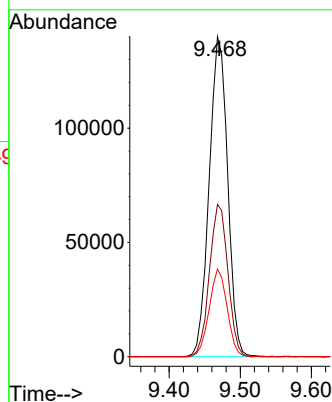
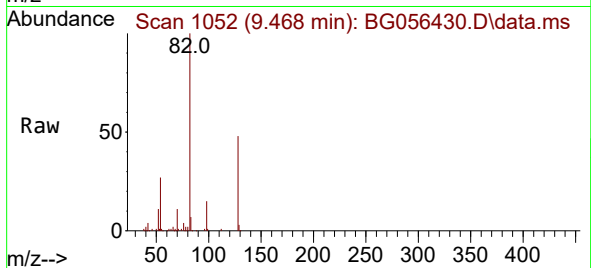
Tgt Ion: 82 Resp: 253269

Ion Ratio Lower Upper

82 100

128 47.6 33.4 50.2

54 27.4 20.3 30.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.909 min Scan# 1978

Delta R.T. -0.006 min

Lab File: BG056430.D

Acq: 25 Jan 2023 18:46

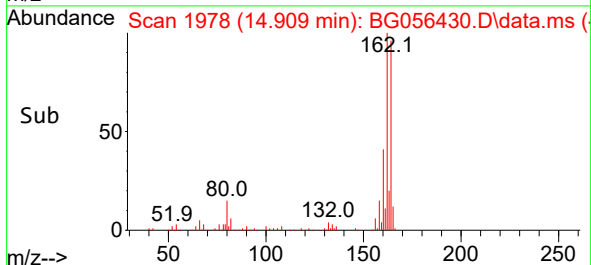
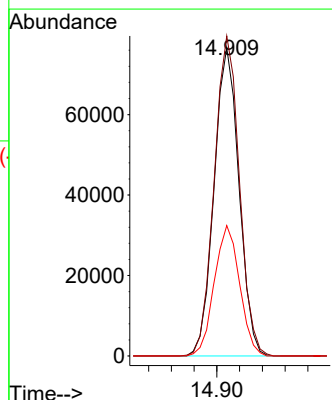
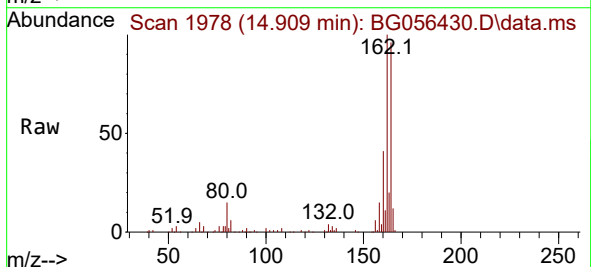
Tgt Ion: 164 Resp: 116491

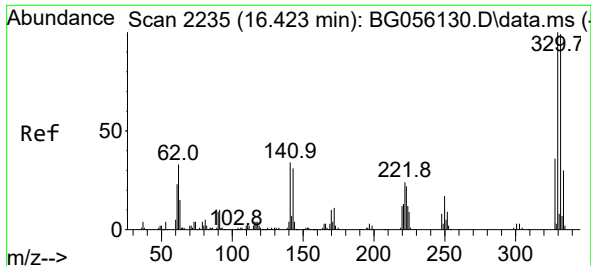
Ion Ratio Lower Upper

164 100

162 103.8 84.7 127.1

160 42.3 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 160.169 ng

RT: 16.395 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG056430.D

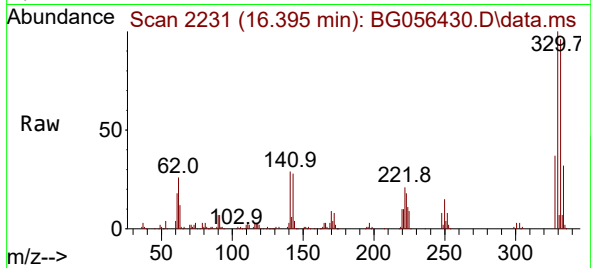
Acq: 25 Jan 2023 18:46

Instrument :

BNA_G

ClientSampleId :

TP-27



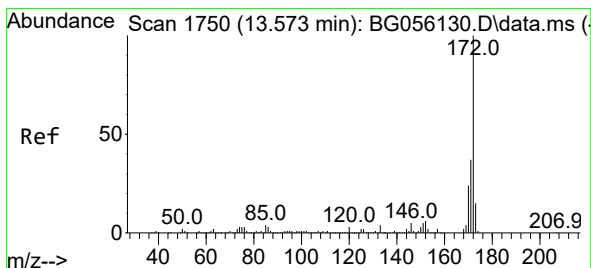
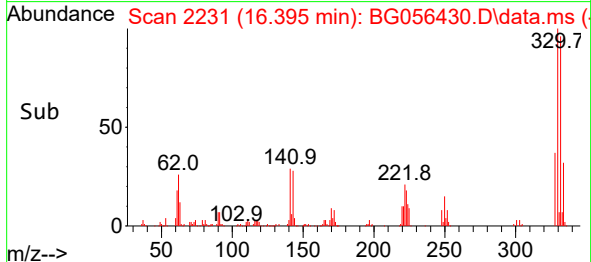
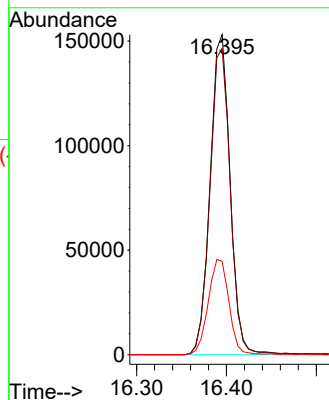
Tgt Ion:330 Resp: 236303

Ion Ratio Lower Upper

330 100

332 97.8 77.3 115.9

141 30.9 27.9 41.9



#45

2-Fluorobiphenyl

Concen: 99.093 ng

RT: 13.534 min Scan# 1744

Delta R.T. -0.006 min

Lab File: BG056430.D

Acq: 25 Jan 2023 18:46

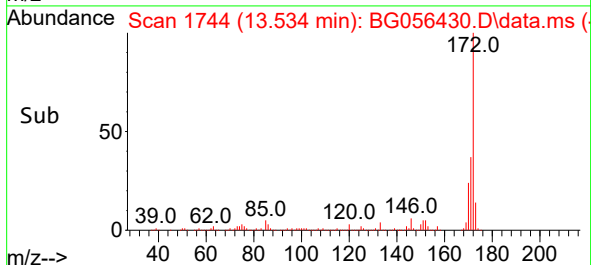
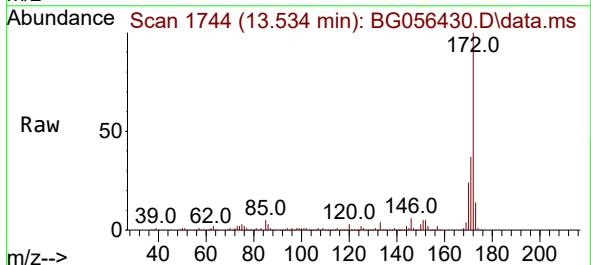
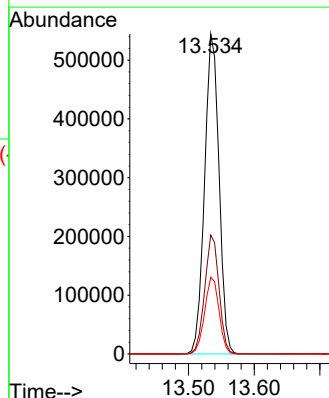
Tgt Ion:172 Resp: 835936

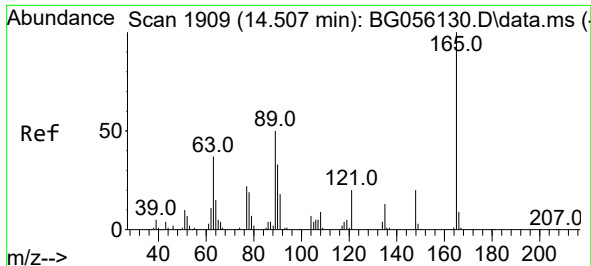
Ion Ratio Lower Upper

172 100

171 37.2 29.6 44.4

170 24.0 19.4 29.2

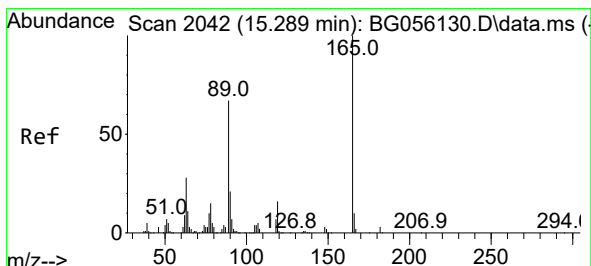
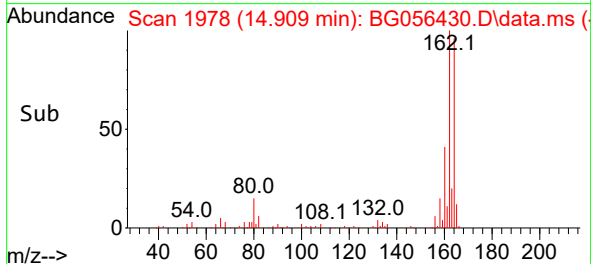
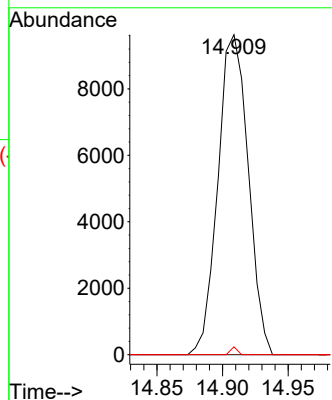
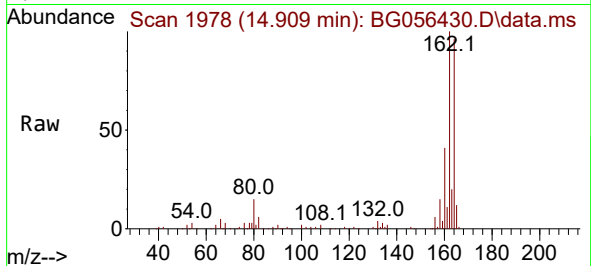




#51
2,6-Dinitrotoluene
Concen: 7.724 ng
RT: 14.909 min Scan# 1909
Delta R.T. 0.429 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

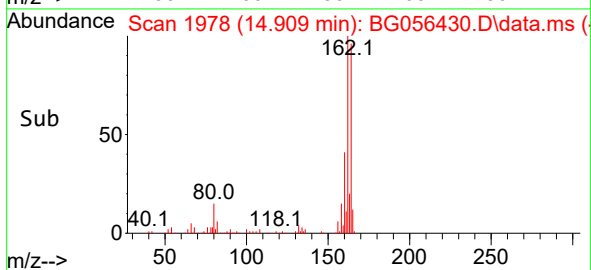
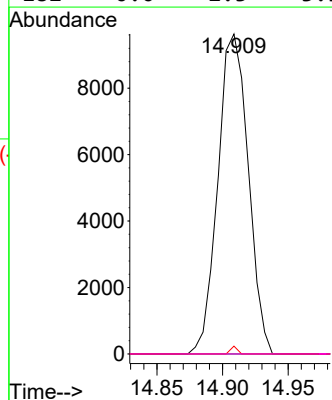
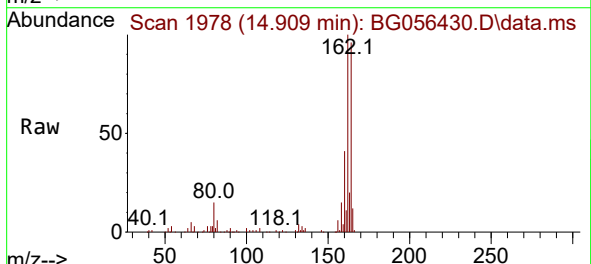
Instrument :
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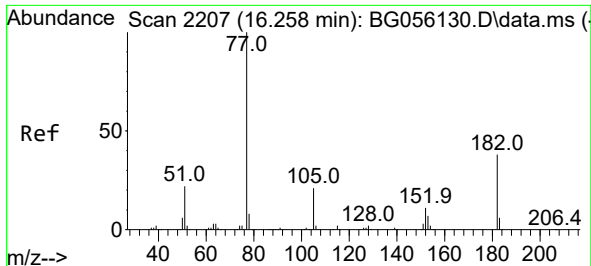
Tgt Ion:165 Resp: 15477
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 2.5 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 5.523 ng
RT: 14.909 min Scan# 1978
Delta R.T. -0.359 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

Tgt Ion:165 Resp: 15477
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 2.5 53.2 79.8#
182 0.0 2.3 3.5#

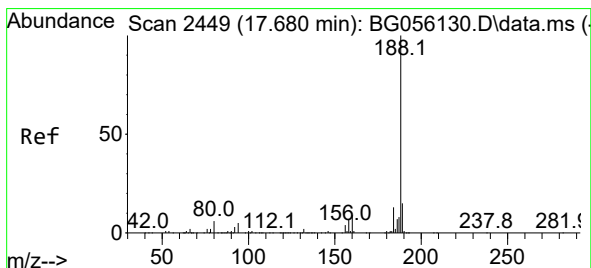
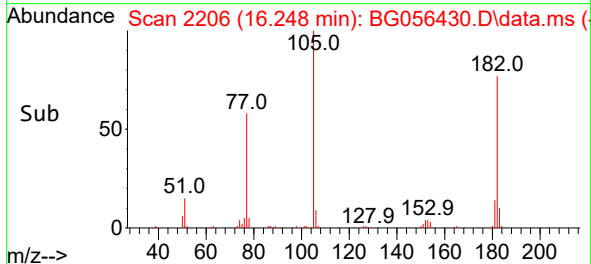
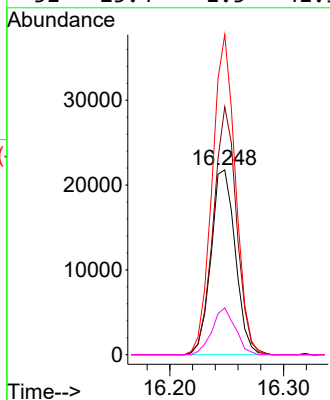
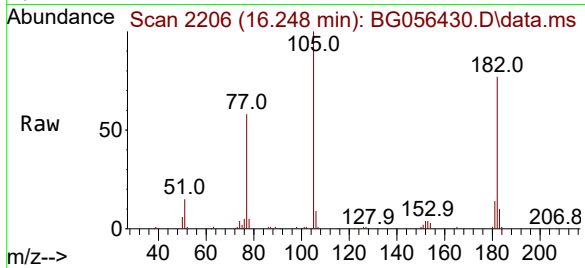




#63
Azobenzene
Concen: 4.746 ng
RT: 16.248 min Scan# 21
Delta R.T. 0.017 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

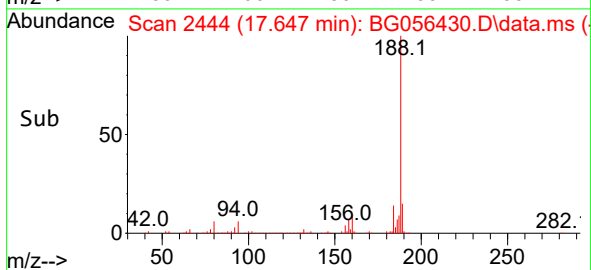
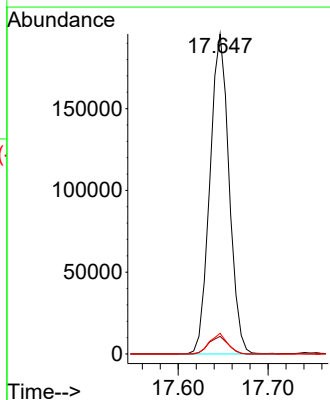
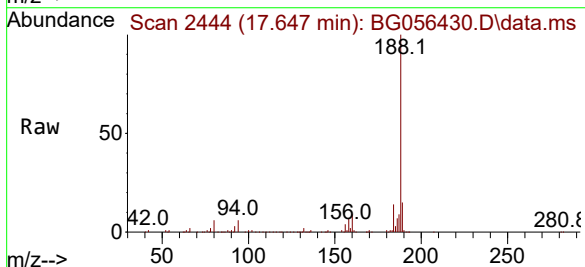
Instrument :
BNA_G
ClientSampleId :
TP-27

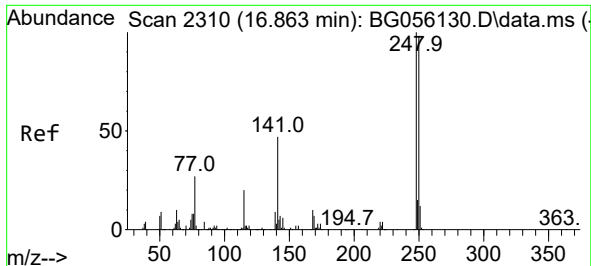
Tgt Ion: 77	Resp: 32296
Ion Ratio	Lower Upper
77 100	
182 134.1	18.5 58.5#
105 173.2	1.4 41.4#
51 25.4	1.5 41.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.647 min Scan# 2444
Delta R.T. -0.006 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

Tgt Ion: 188	Resp: 289615
Ion Ratio	Lower Upper
188 100	
94 5.5	4.2 6.2
80 6.5	5.0 7.4

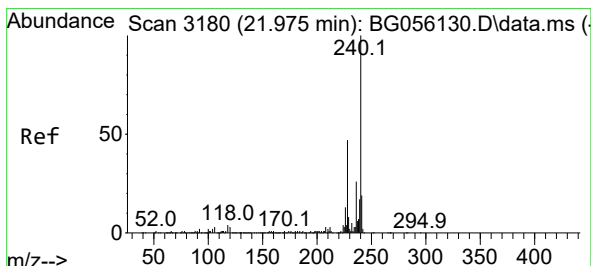
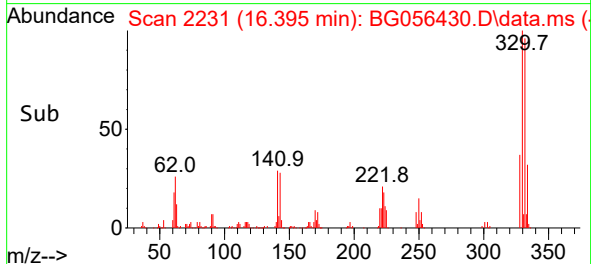
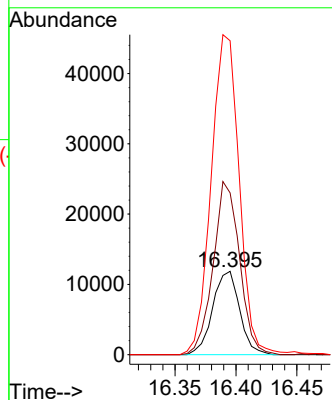
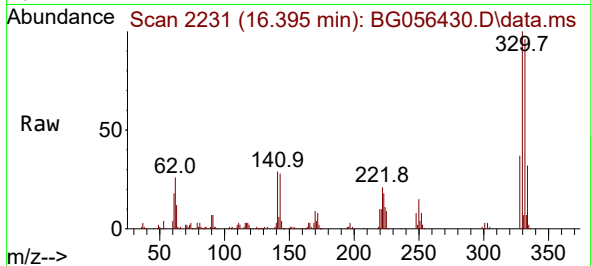




#67
4-Bromophenyl-phenylether
Concen: 4.938 ng
RT: 16.395 min Scan# 21
Delta R.T. -0.435 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

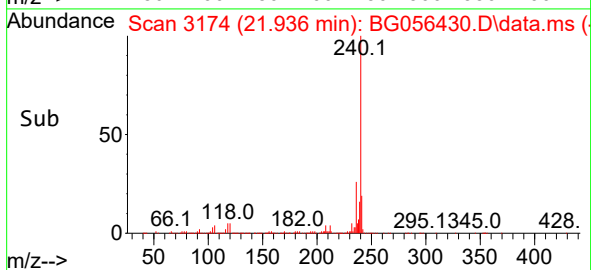
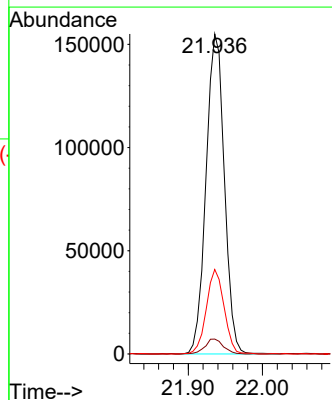
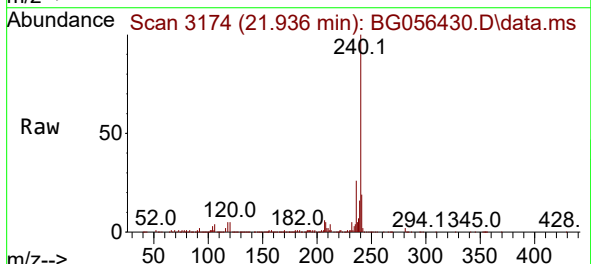
Instrument :
BNA_G
ClientSampleId :
TP-27

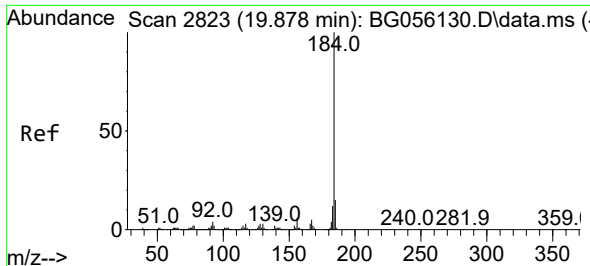
Tgt Ion:248 Resp: 18212
Ion Ratio Lower Upper
248 100
250 250.4 78.2 117.4#
141 376.7 37.6 56.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.936 min Scan# 3174
Delta R.T. -0.006 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

Tgt Ion:240 Resp: 266313
Ion Ratio Lower Upper
240 100
120 4.6 2.6 4.0#
236 26.4 20.8 31.2

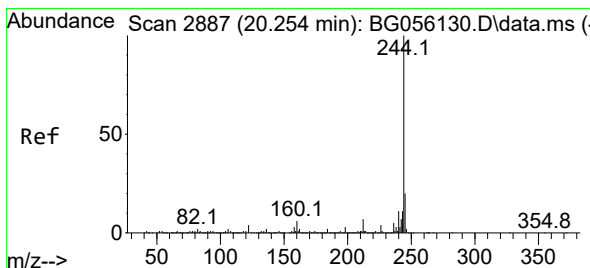
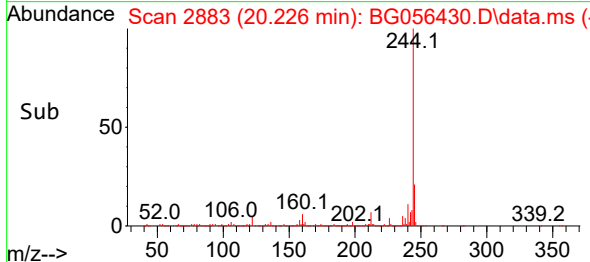
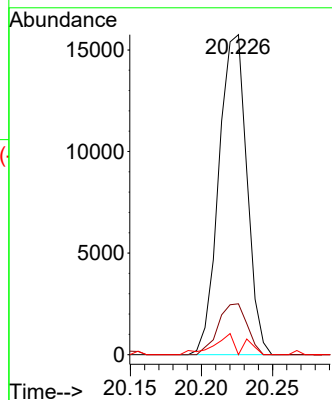
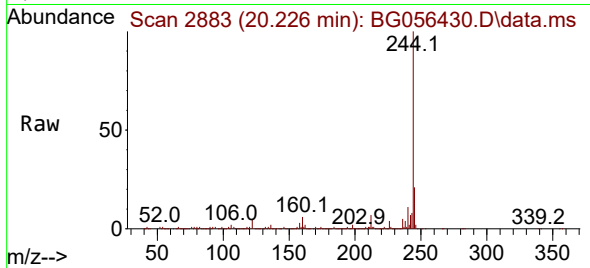




#77
Benzidine
Concen: 2.312 ng
RT: 20.226 min Scan# 2883
Delta R.T. 0.376 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

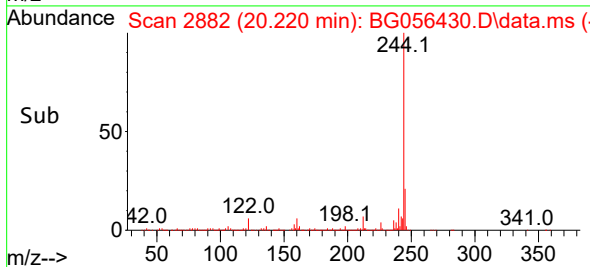
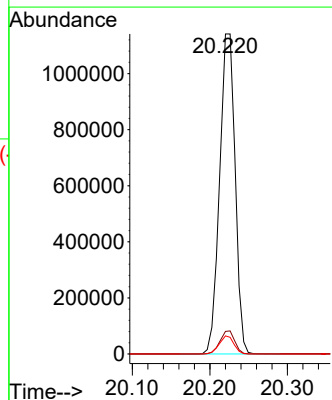
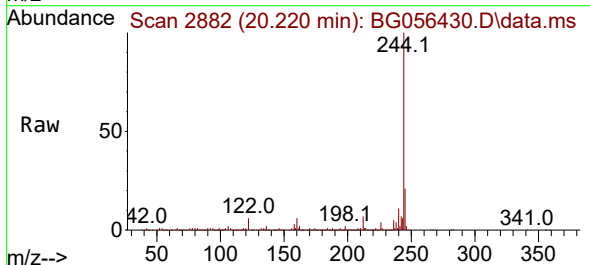
Instrument :
BNA_G
ClientSampleId :
TP-27

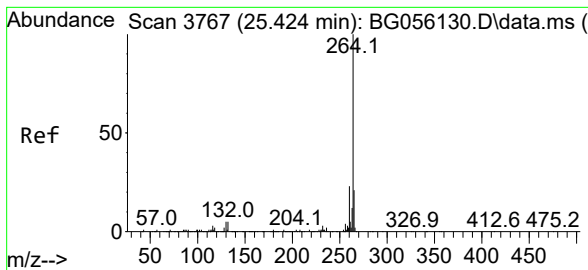
Tgt Ion:184 Resp: 21577
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.2
183 0.0 9.4 14.0#



#79
Terphenyl-d14
Concen: 106.765 ng
RT: 20.220 min Scan# 2882
Delta R.T. -0.006 min
Lab File: BG056430.D
Acq: 25 Jan 2023 18:46

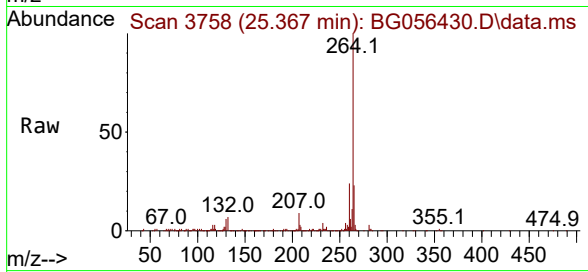
Tgt Ion:244 Resp: 1587501
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 5.6 3.5 5.3#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.367 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BG056430.D
 Acq: 25 Jan 2023 18:46

Instrument :
 BNA_G
 ClientSampleId :
 TP-27



Tgt Ion:264 Resp: 290466

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	23.0	16.7	25.1

