

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057845.D
 Acq On : 23 Jun 2023 16:45
 Operator : CG/JU
 Sample : 03336-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-2

Quant Time: Jun 23 17:41:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

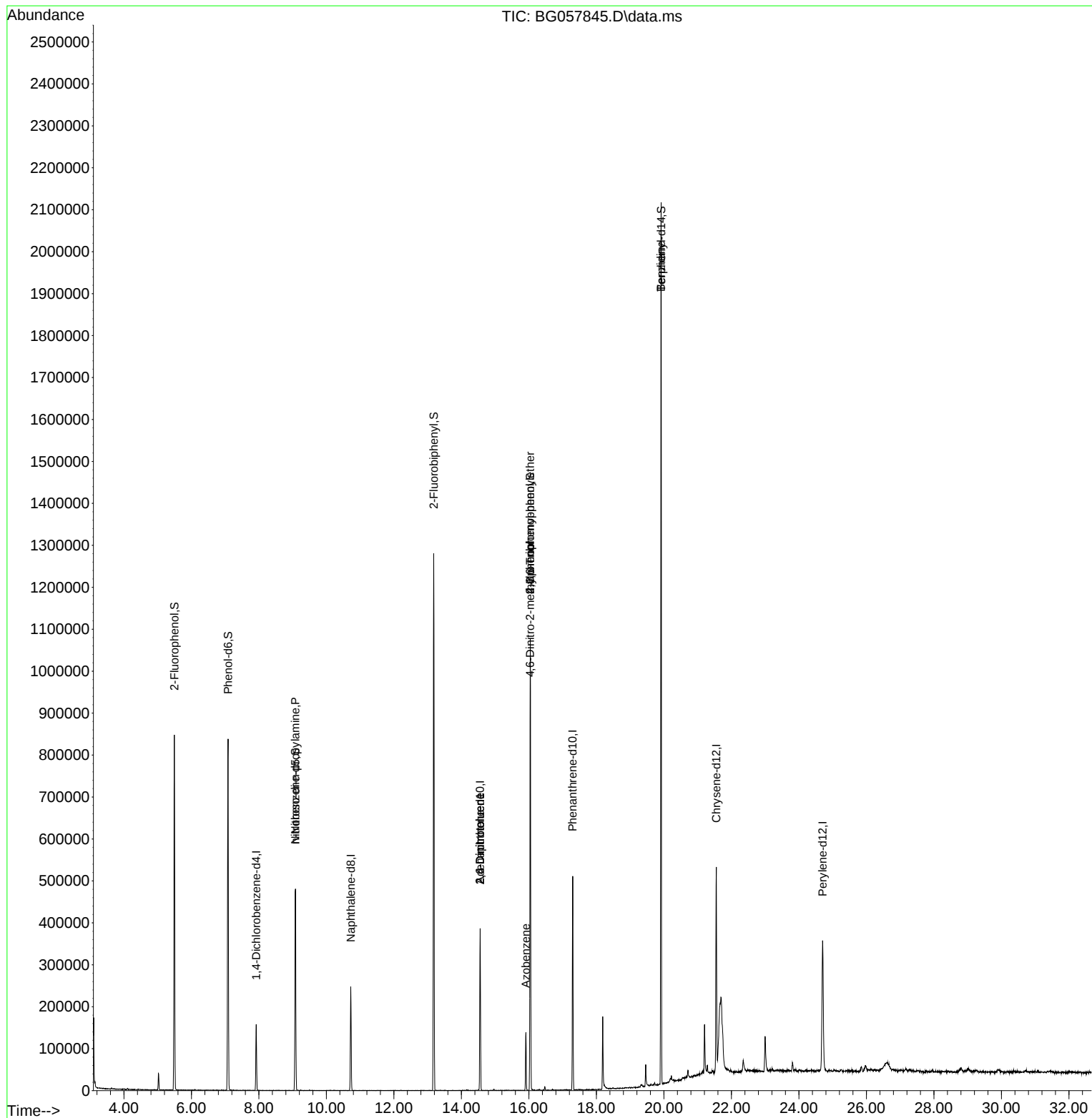
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.920	152	43166	20.000	ng	0.00
21) Naphthalene-d8	10.723	136	196633	20.000	ng	0.00
39) Acenaphthene-d10	14.554	164	137314	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	314492	20.000	ng	0.00
76) Chrysene-d12	21.551	240	269641	20.000	ng	0.00
86) Perylene-d12	24.701	264	334938	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.494	112	350140	125.071	ng	0.00
7) Phenol-d6	7.086	99	499716	116.984	ng	0.00
23) Nitrobenzene-d5	9.084	82	290477	75.818	ng	0.00
42) 2,4,6-Tribromophenol	16.040	330	231267	120.907	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	684298	75.586	ng	0.00
79) Terphenyl-d14	19.918	244	1086382	75.127	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.084	70	36688	12.319	ng	# 74
51) 2,6-Dinitrotoluene	14.554	165	18315	9.430	ng	# 19
57) 2,4-Dinitrotoluene	14.554	165	18315	6.954	ng	# 19
63) Azobenzene	15.911	77	39377	3.558	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.034	198	594	5.677	ng	# 19
67) 4-Bromophenyl-phenylether	16.040	248	15109	4.530	ng	# 1
77) Benzidine	19.912	184	14330	2.267	ng	# 92

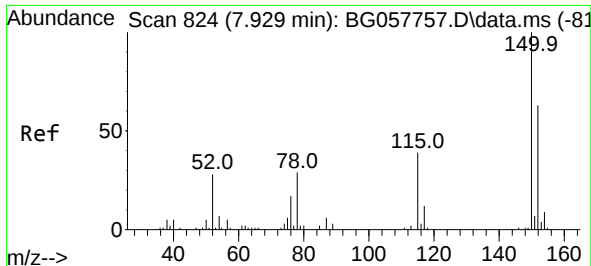
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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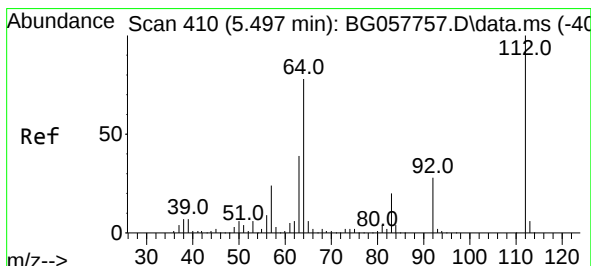
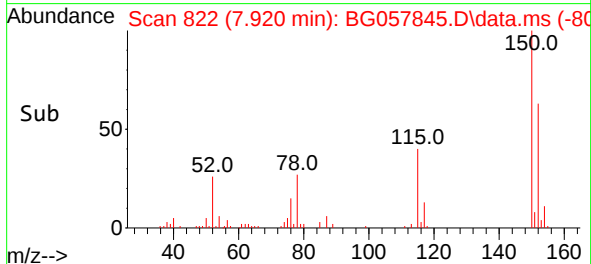
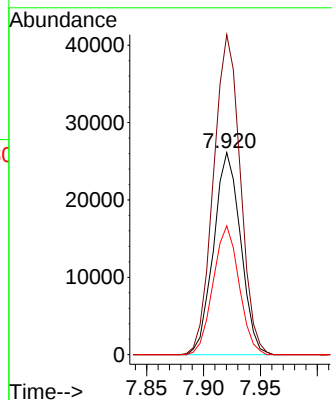
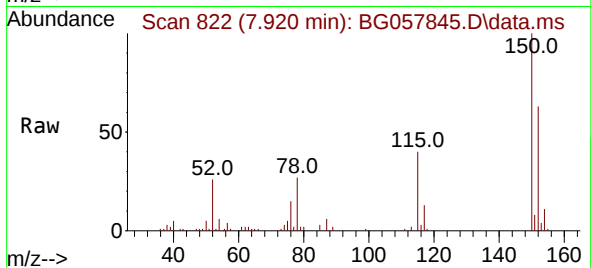




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.920 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

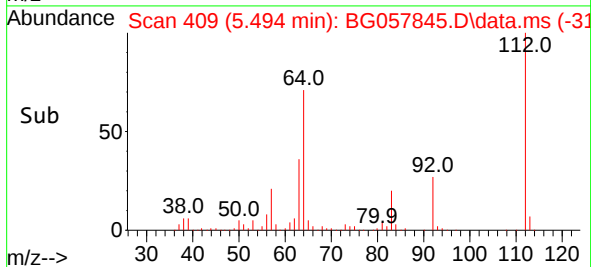
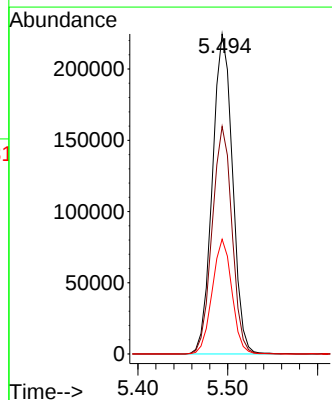
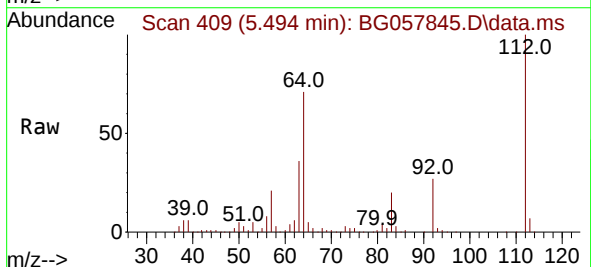
Instrument :
BNA_G
ClientSampleId :
WC-2

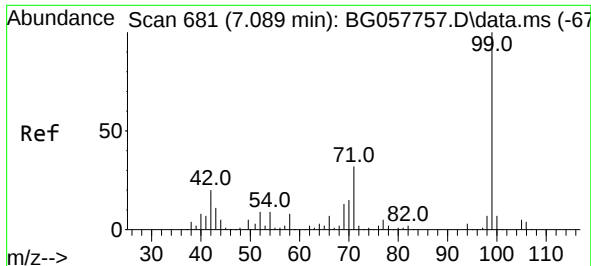
Tgt Ion:152 Resp: 43166
Ion Ratio Lower Upper
152 100
150 158.4 126.6 189.8
115 63.7 48.9 73.3



#5
2-Fluorophenol
Concen: 125.071 ng
RT: 5.494 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

Tgt Ion:112 Resp: 350140
Ion Ratio Lower Upper
112 100
64 71.1 62.1 93.1
63 35.9 31.5 47.3

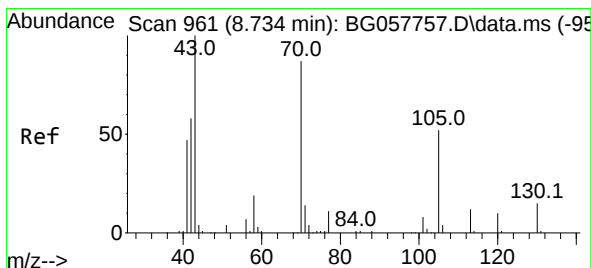
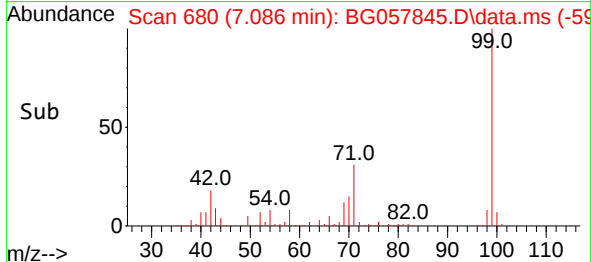
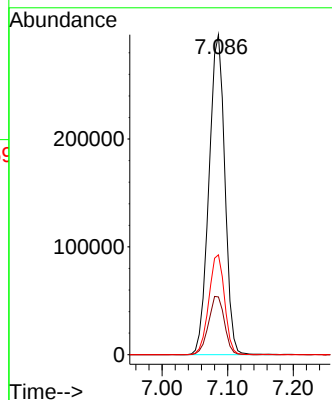
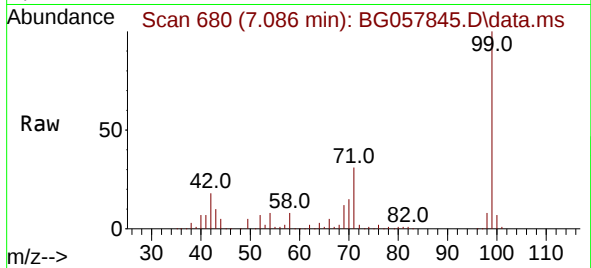




#7
Phenol-d6
Concen: 116.984 ng
RT: 7.086 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

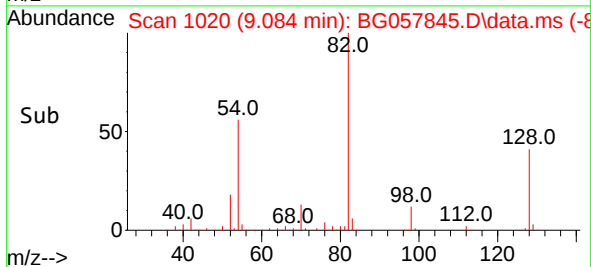
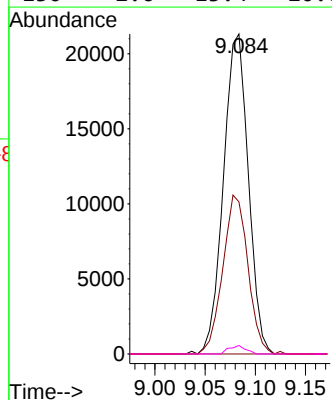
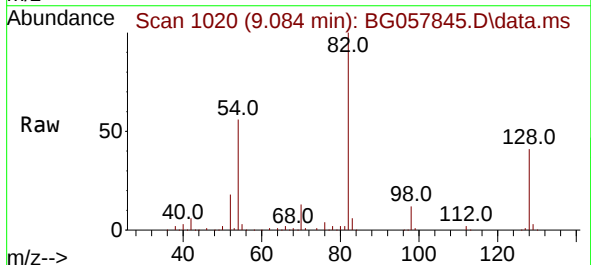
Instrument :
BNA_G
ClientSampleId :
WC-2

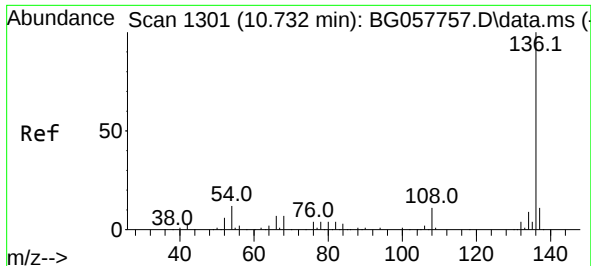
Tgt Ion: 99 Resp: 499716
Ion Ratio Lower Upper
99 100
42 18.1 16.4 24.6
71 31.2 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.319 ng
RT: 9.084 min Scan# 1020
Delta R.T. 0.350 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

Tgt Ion: 70 Resp: 36688
Ion Ratio Lower Upper
70 100
42 47.6 54.2 81.2#
101 0.0 7.4 11.0#
130 2.6 13.4 20.0#

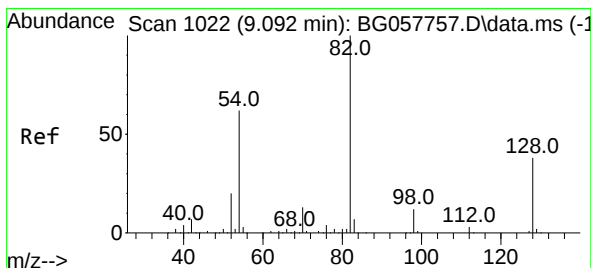
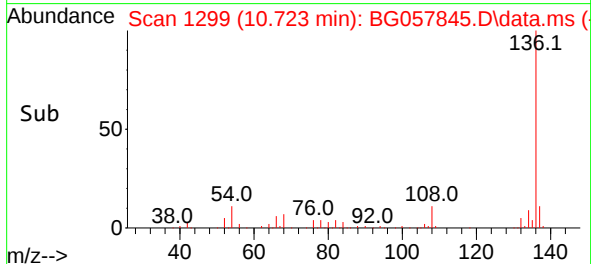
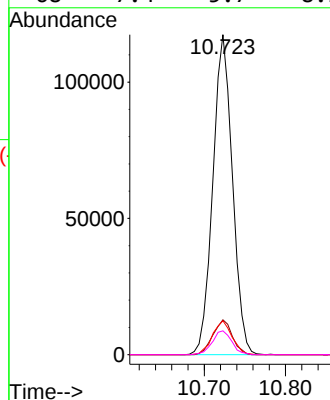
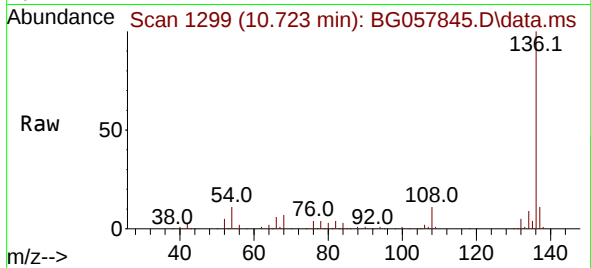




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

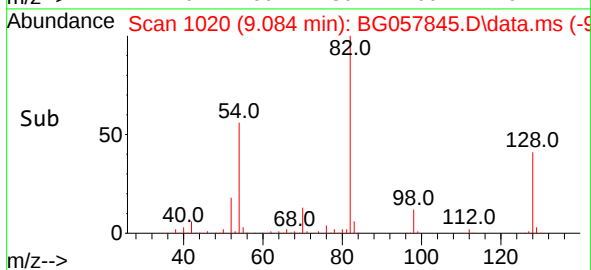
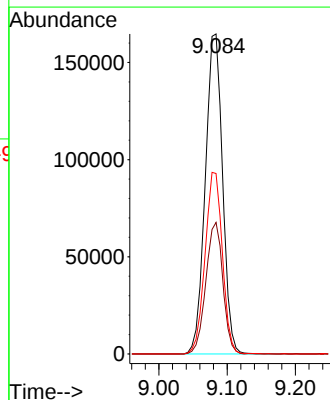
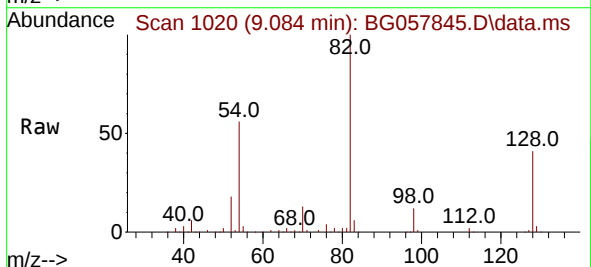
Instrument :
BNA_G
ClientSampleId :
WC-2

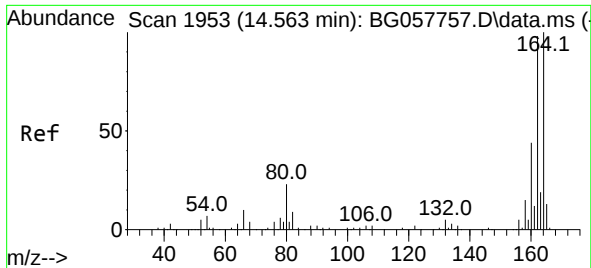
Tgt Ion:	136	Resp:	196633
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	10.6	9.5	14.3
68	7.4	5.7	8.5



#23
Nitrobenzene-d5
Concen: 75.818 ng
RT: 9.084 min Scan# 1020
Delta R.T. -0.009 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

Tgt Ion:	82	Resp:	290477
Ion Ratio	Lower	Upper	
82	100		
128	41.1	30.7	46.1
54	56.4	49.6	74.4

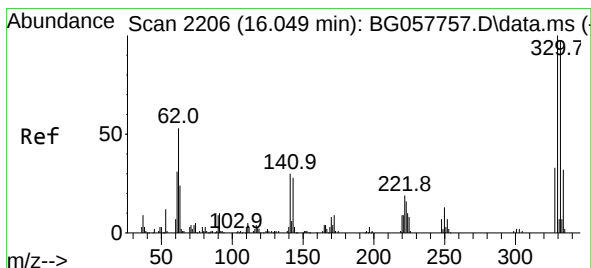
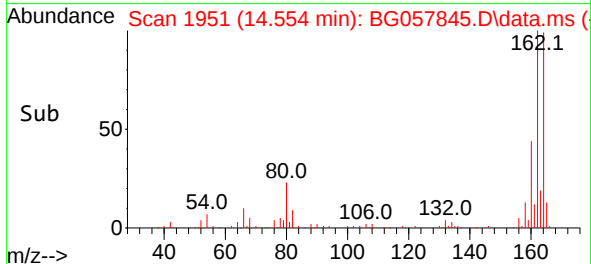
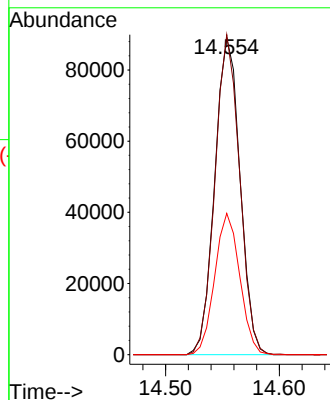
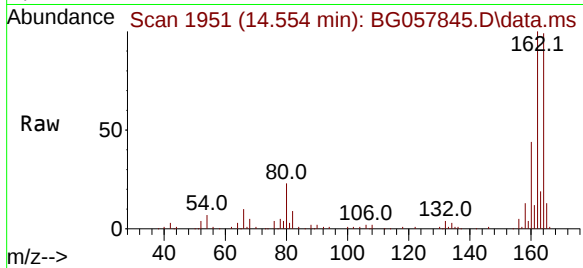




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.554 min Scan# 1951
Delta R.T. -0.009 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

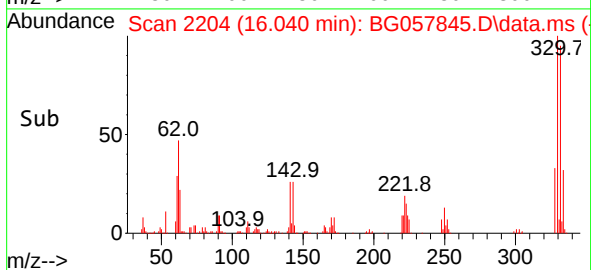
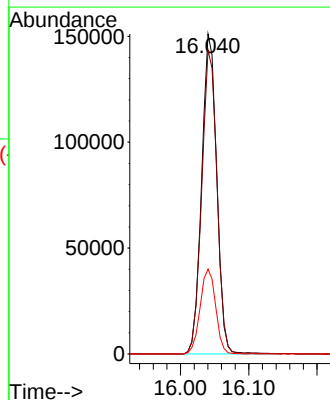
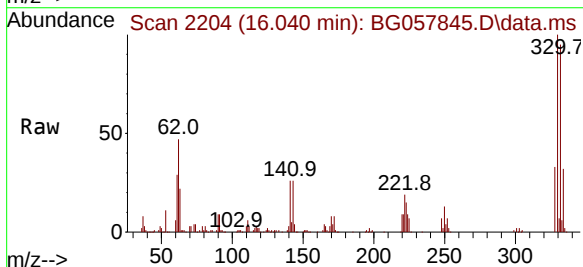
Instrument :
BNA_G
ClientSampleId :
WC-2

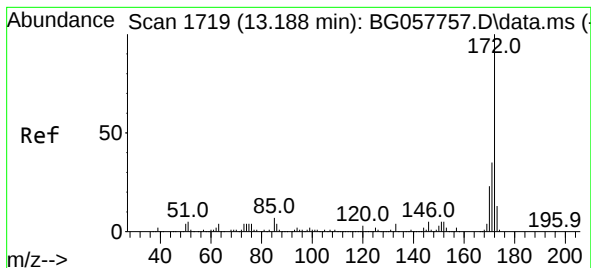
Tgt Ion:164 Resp: 137314
Ion Ratio Lower Upper
164 100
162 100.9 78.3 117.5
160 44.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 120.907 ng
RT: 16.040 min Scan# 2204
Delta R.T. -0.009 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

Tgt Ion:330 Resp: 231267
Ion Ratio Lower Upper
330 100
332 96.5 76.6 115.0
141 27.3 24.7 37.1

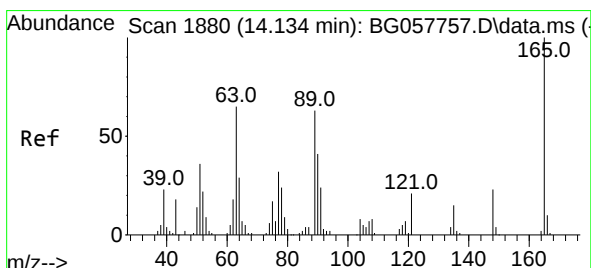
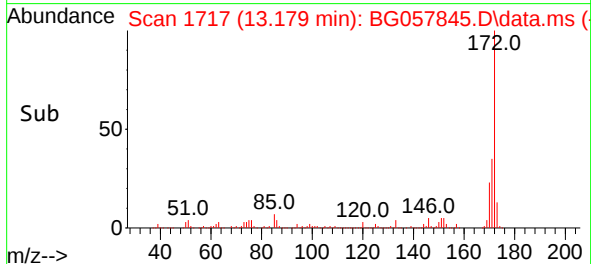
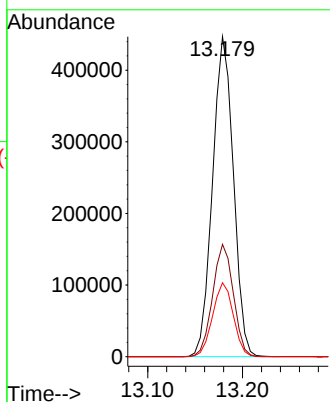
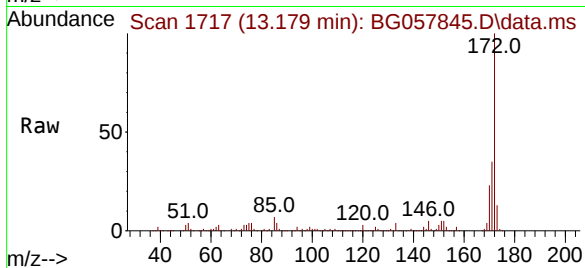




#45
2-Fluorobiphenyl
Concen: 75.586 ng
RT: 13.179 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

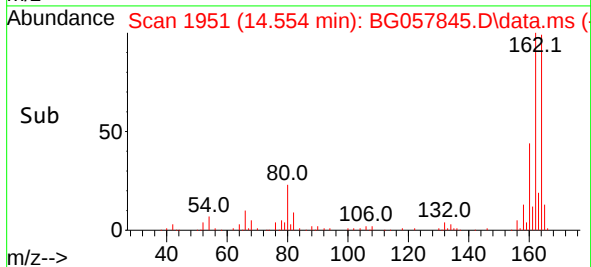
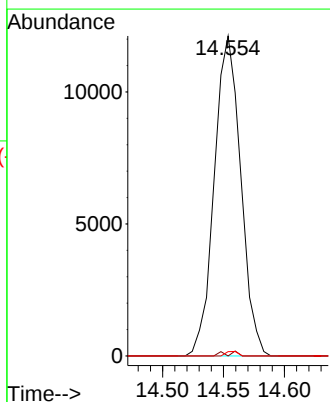
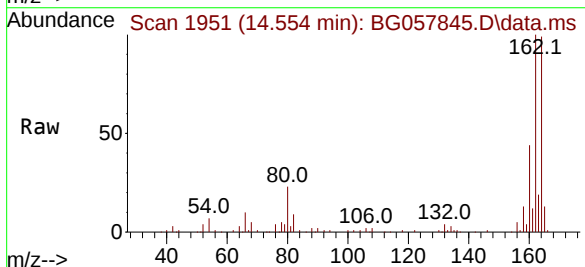
Instrument :
BNA_G
ClientSampleId :
WC-2

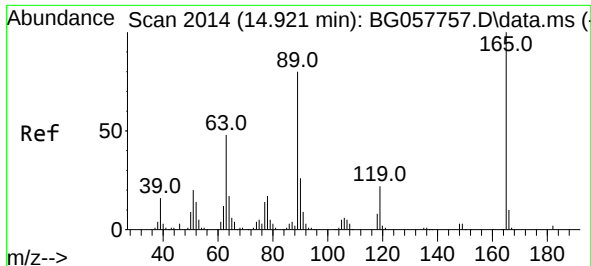
Tgt Ion:172 Resp: 684298
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.1 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.430 ng
RT: 14.554 min Scan# 1951
Delta R.T. 0.420 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

Tgt Ion:165 Resp: 18315
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 1.4 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.954 ng

RT: 14.554 min Scan# 1951

Delta R.T. -0.367 min

Lab File: BG057845.D

Acq: 23 Jun 2023 16:45

Instrument :

BNA_G

ClientSampleId :

WC-2

Tgt Ion:165 Resp: 18315

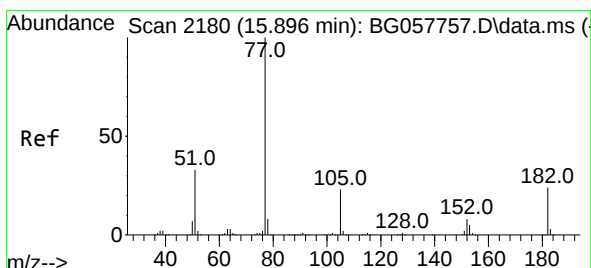
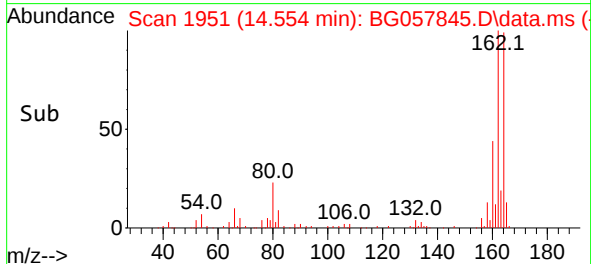
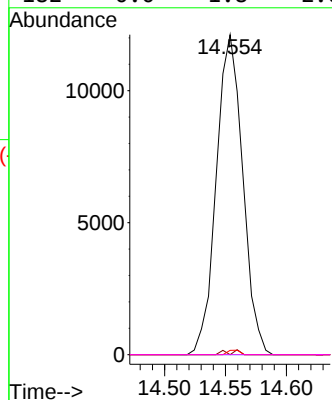
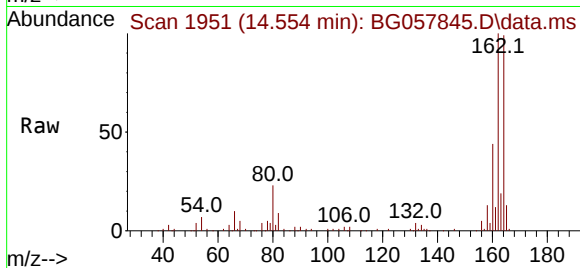
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 1.4 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 3.558 ng

RT: 15.911 min Scan# 2182

Delta R.T. 0.015 min

Lab File: BG057845.D

Acq: 23 Jun 2023 16:45

Tgt Ion: 77 Resp: 39377

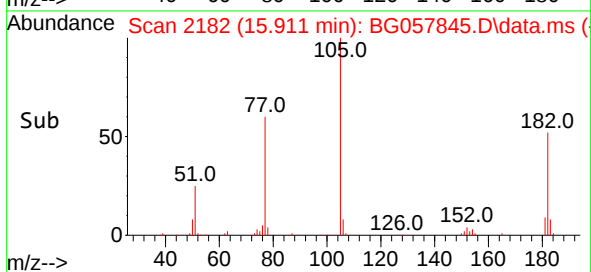
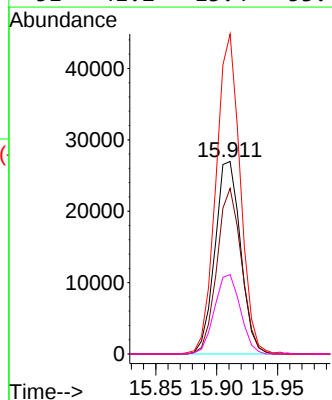
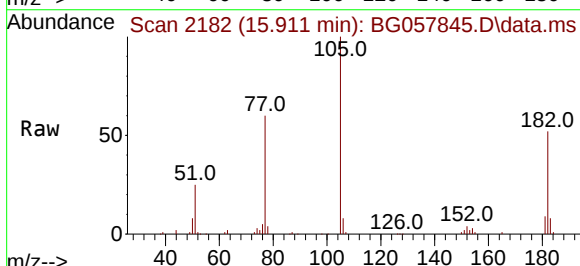
Ion Ratio Lower Upper

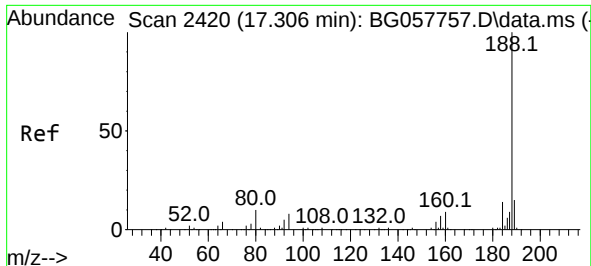
77 100

182 86.0 4.1 44.1#

105 166.3 3.3 43.3#

51 41.2 13.4 53.4

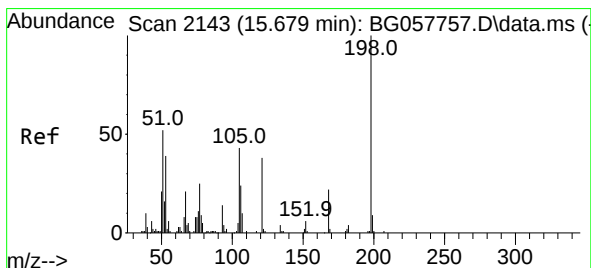
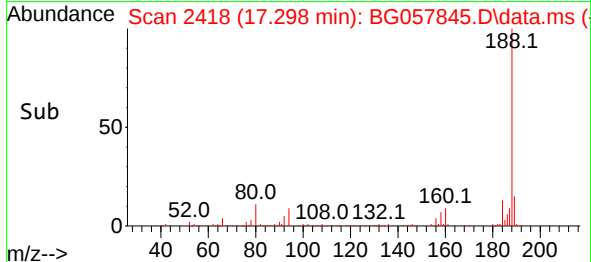
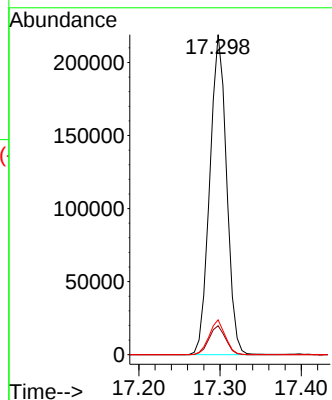
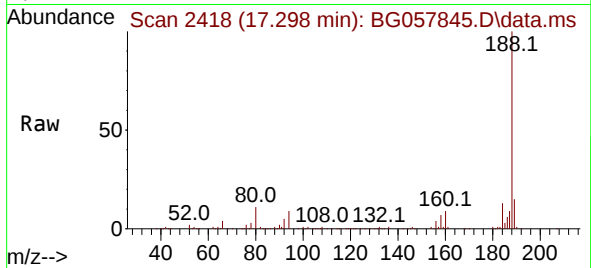




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

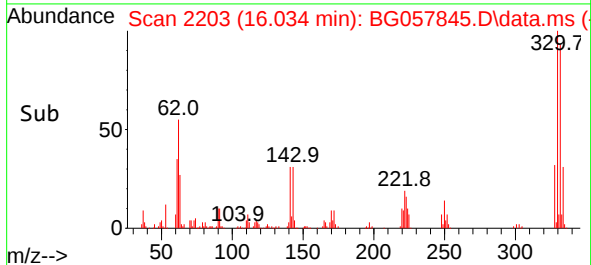
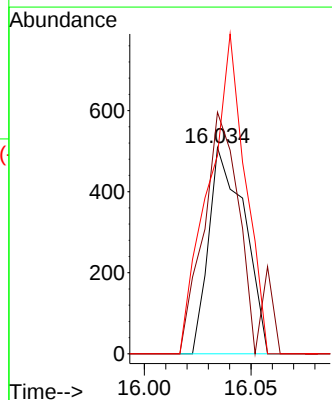
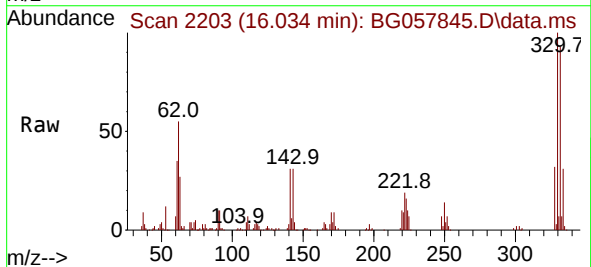
Instrument :
BNA_G
ClientSampleId :
WC-2

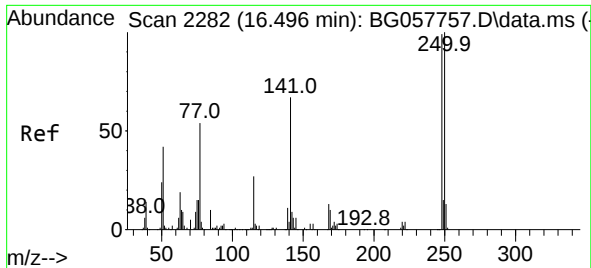
Tgt Ion:188 Resp: 314492
Ion Ratio Lower Upper
188 100
94 9.0 6.6 9.8
80 10.9 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.677 ng
RT: 16.034 min Scan# 2203
Delta R.T. 0.355 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

Tgt Ion:198 Resp: 594
Ion Ratio Lower Upper
198 100
51 117.1 36.6 76.6#
105 96.1 24.3 64.3#

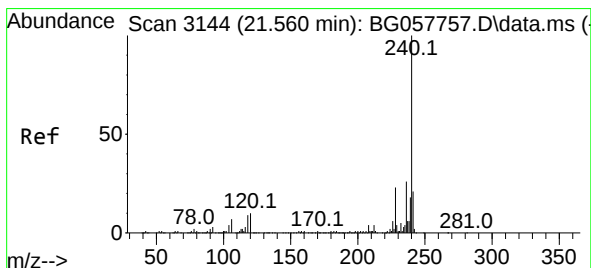
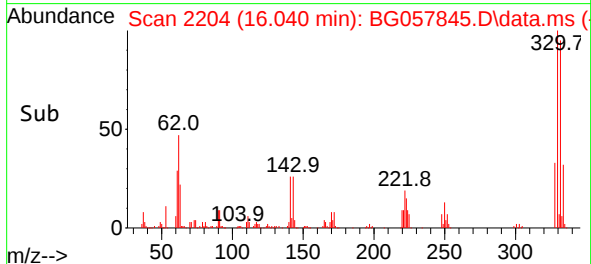
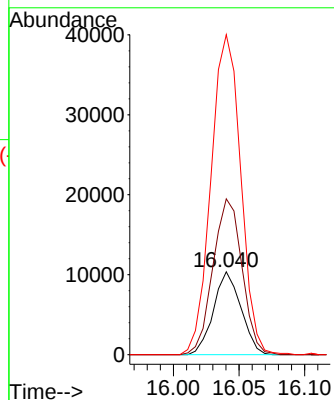
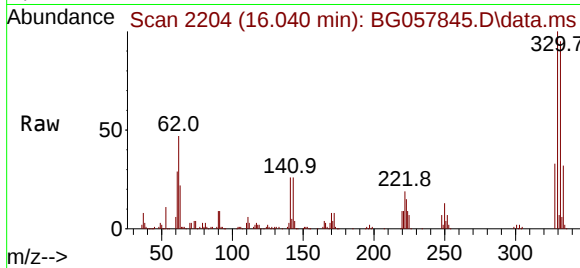




#67
4-Bromophenyl-phenylether
Concen: 4.530 ng
RT: 16.040 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

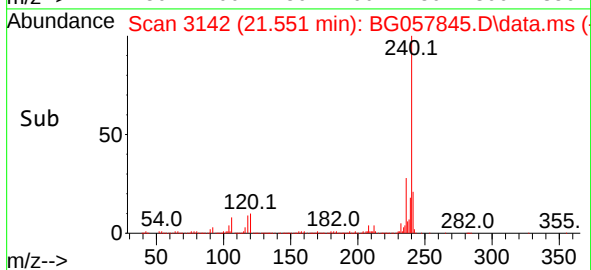
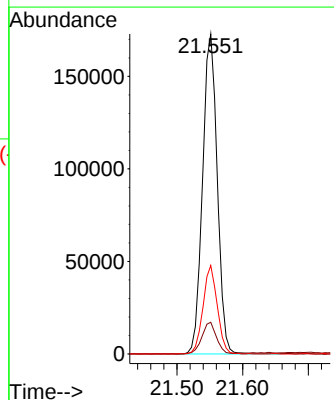
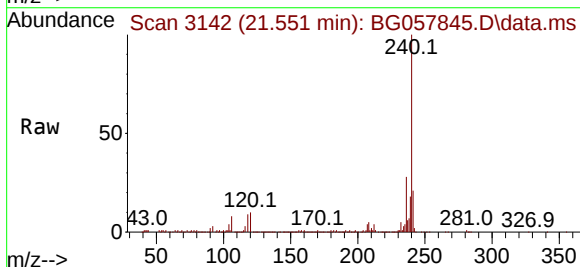
Instrument :
BNA_G
ClientSampleId :
WC-2

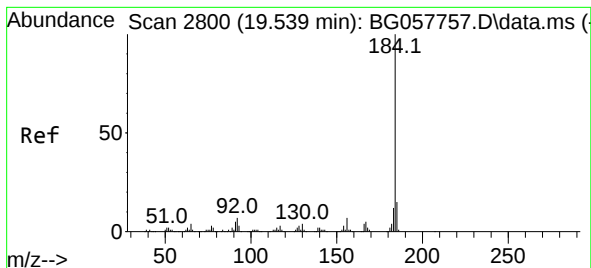
Tgt Ion:248 Resp: 15109
Ion Ratio Lower Upper
248 100
250 187.9 81.1 121.7#
141 385.8 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.551 min Scan# 3142
Delta R.T. -0.009 min
Lab File: BG057845.D
Acq: 23 Jun 2023 16:45

Tgt Ion:240 Resp: 269641
Ion Ratio Lower Upper
240 100
120 9.9 8.1 12.1
236 27.6 20.6 30.8





#77

Benzidine

Concen: 2.267 ng

RT: 19.912 min Scan# 2863

Delta R.T. 0.373 min

Lab File: BG057845.D

Acq: 23 Jun 2023 16:45

Instrument :

BNA_G

ClientSampleId :

WC-2

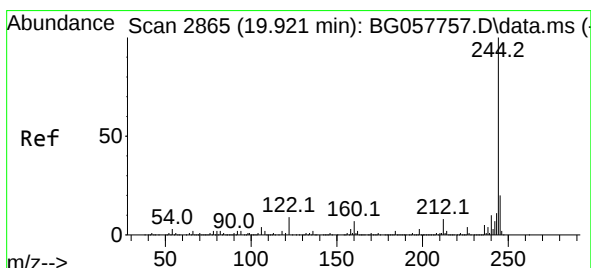
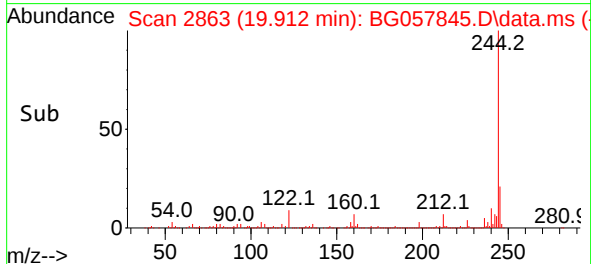
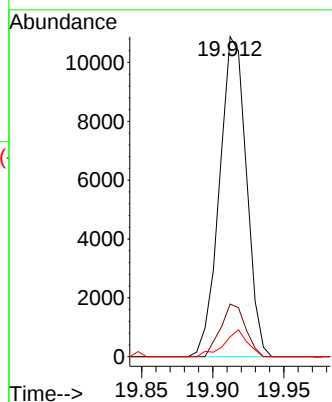
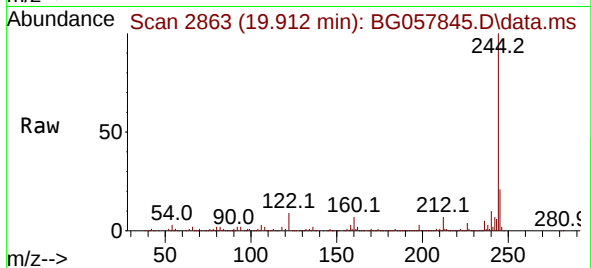
Tgt Ion:184 Resp: 14330

Ion Ratio Lower Upper

184 100

185 16.5 12.0 18.0

183 6.2 9.4 14.0#



#79

Terphenyl-d14

Concen: 75.127 ng

RT: 19.918 min Scan# 2864

Delta R.T. -0.003 min

Lab File: BG057845.D

Acq: 23 Jun 2023 16:45

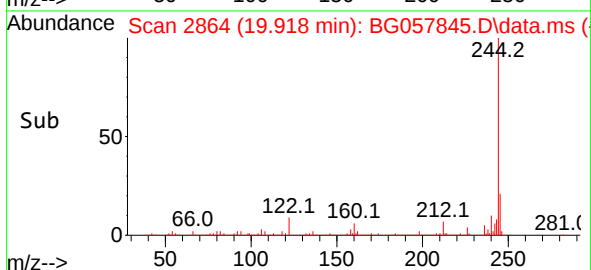
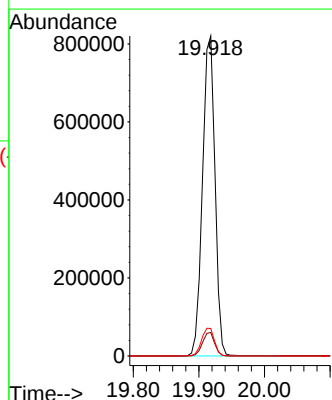
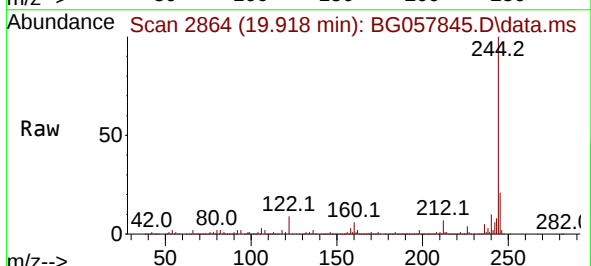
Tgt Ion:244 Resp: 1086382

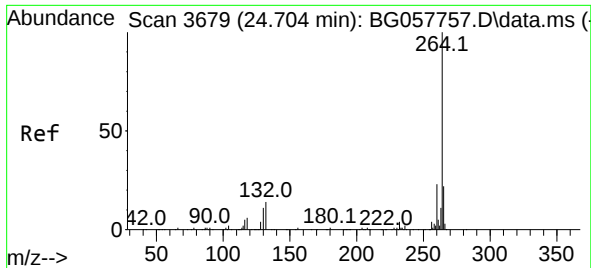
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 8.6 7.6 11.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.701 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: BG057845.D
 Acq: 23 Jun 2023 16:45

Instrument :
 BNA_G
 ClientSampleId :
 WC-2

Tgt Ion:264 Resp: 334938
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.5 27.7
 265 22.2 17.4 26.2

