

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057805.D
 Acq On : 22 Jun 2023 11:39
 Operator : CG/JU
 Sample : 03290-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-2

Quant Time: Jun 22 13:30:40 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)

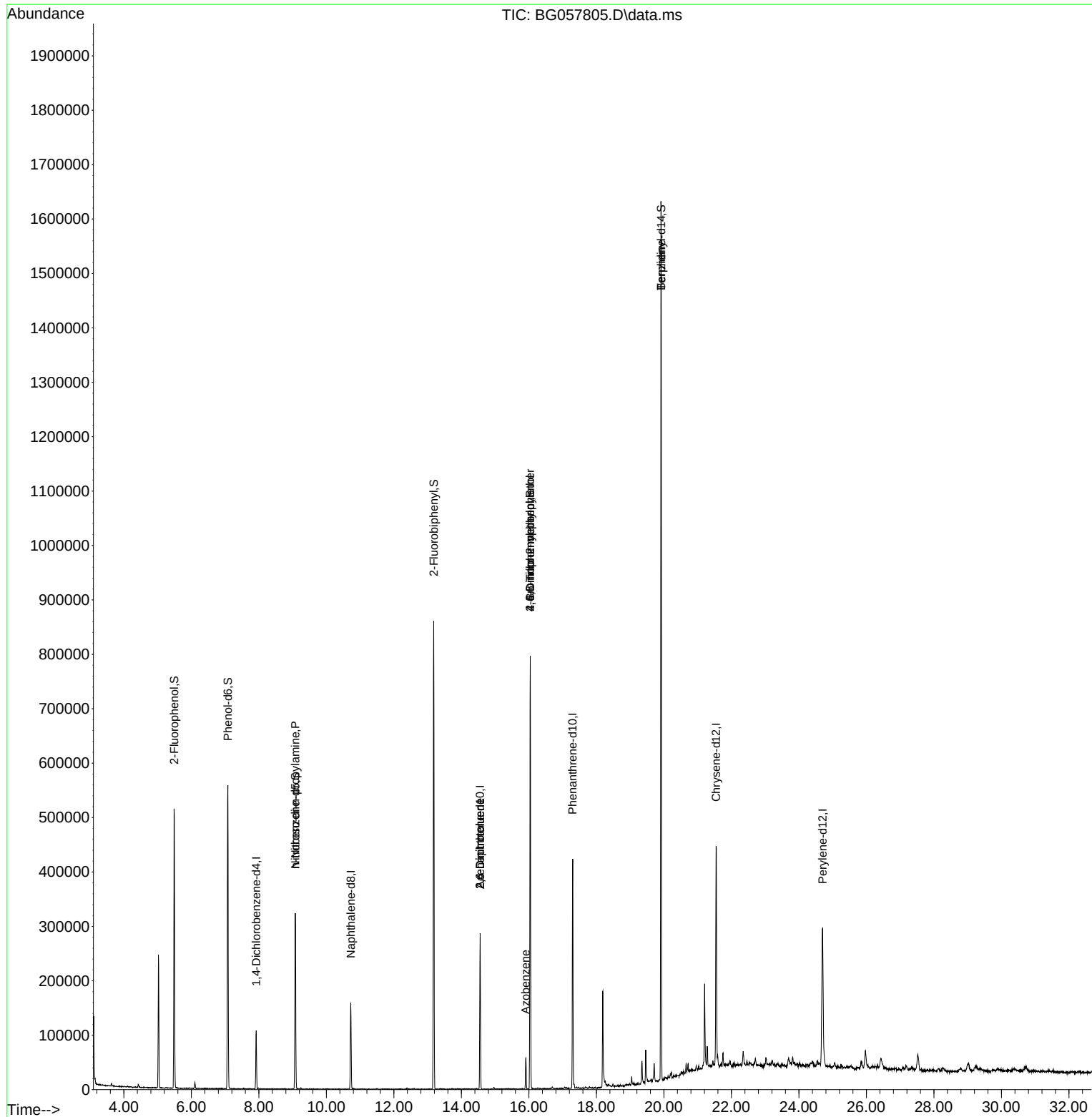
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	29048	20.000	ng	0.00
21) Naphthalene-d8	10.723	136	130735	20.000	ng	0.00
39) Acenaphthene-d10	14.554	164	98357	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	256401	20.000	ng	0.00
76) Chrysene-d12	21.546	240	228680	20.000	ng	-0.01
86) Perylene-d12	24.701	264	276543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.488	112	217696	115.556	ng	0.00
7) Phenol-d6	7.080	99	330121	114.843	ng	0.00
23) Nitrobenzene-d5	9.078	82	188277	73.913	ng	-0.01
42) 2,4,6-Tribromophenol	16.041	330	158532	115.708	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	457101	70.489	ng	0.00
79) Terphenyl-d14	19.918	244	862136	70.299	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.078	70	23048	11.501	ng	# 79
51) 2,6-Dinitrotoluene	14.554	165	12795	9.198	ng	# 19
57) 2,4-Dinitrotoluene	14.554	165	12795	6.782	ng	# 19
63) Azobenzene	15.905	77	16537	2.086	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.041	198	249	5.500	ng	# 1
67) 4-Bromophenyl-phenylether	16.041	248	10151	3.733	ng	# 1
77) Benizidine	19.918	184	11430	2.132	ng	# 92

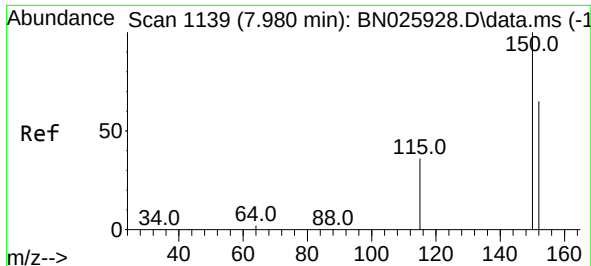
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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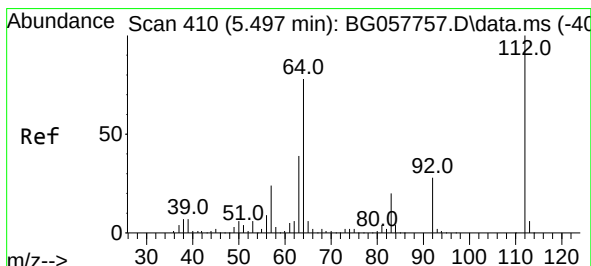
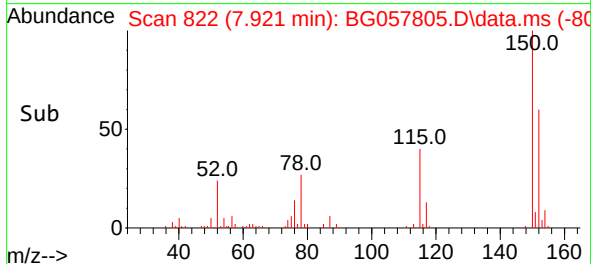
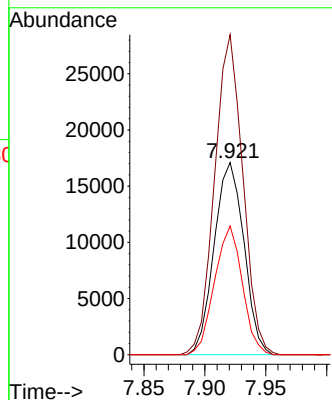
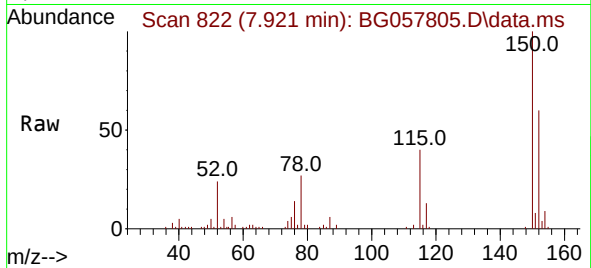




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.921 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

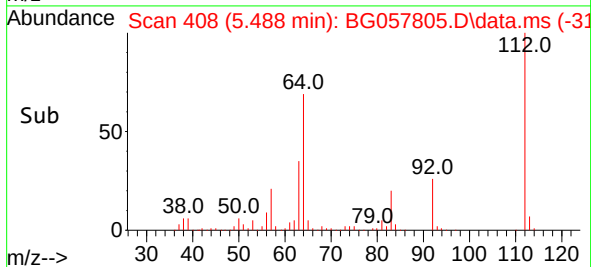
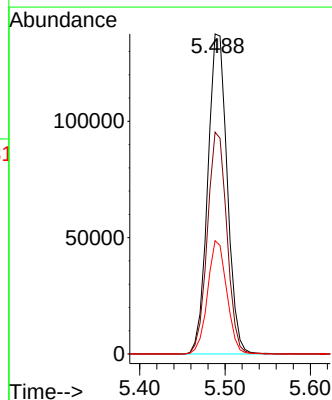
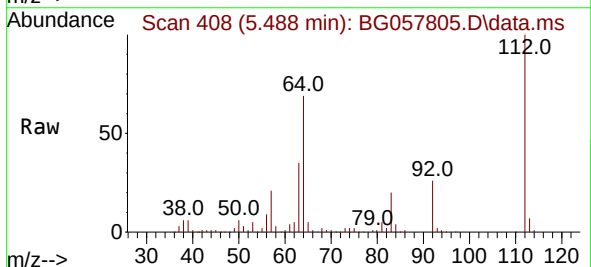
Instrument :
BNA_G
ClientSampleId :
SB-2

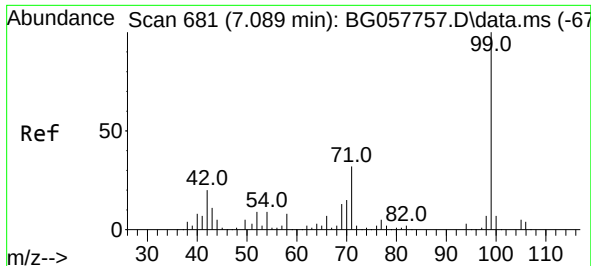
Tgt Ion:152 Resp: 29048
Ion Ratio Lower Upper
152 100
150 166.6 126.6 189.8
115 66.9 48.9 73.3



#5
2-Fluorophenol
Concen: 115.556 ng
RT: 5.488 min Scan# 408
Delta R.T. -0.009 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

Tgt Ion:112 Resp: 217696
Ion Ratio Lower Upper
112 100
64 69.3 62.1 93.1
63 35.4 31.5 47.3

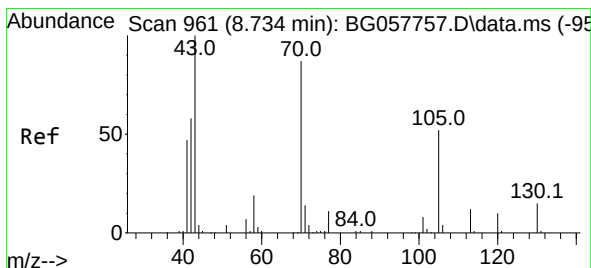
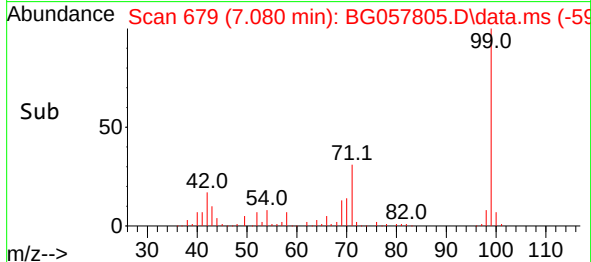
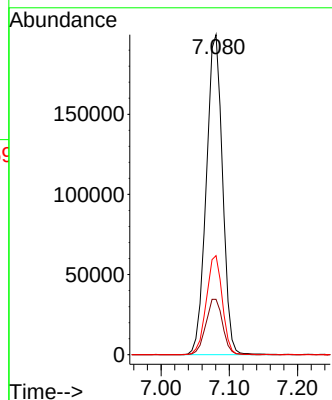
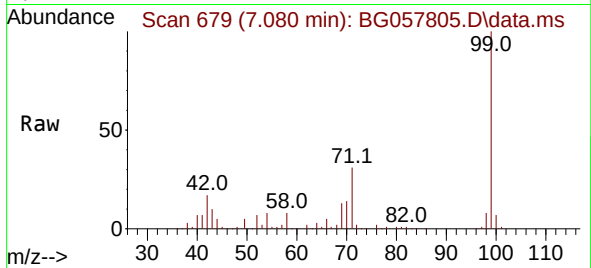




#7
Phenol-d6
Concen: 114.843 ng
RT: 7.080 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

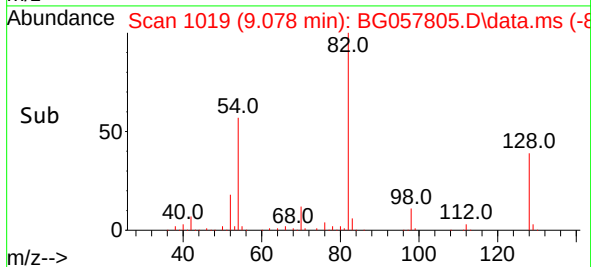
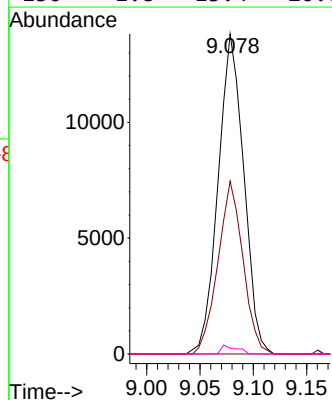
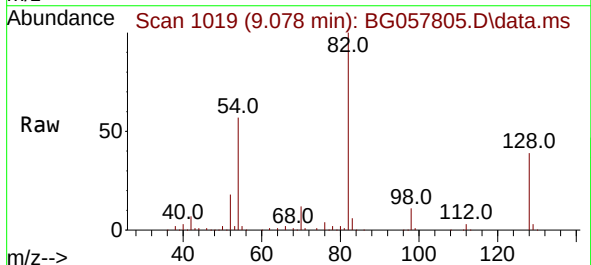
Instrument :
BNA_G
ClientSampleId :
SB-2

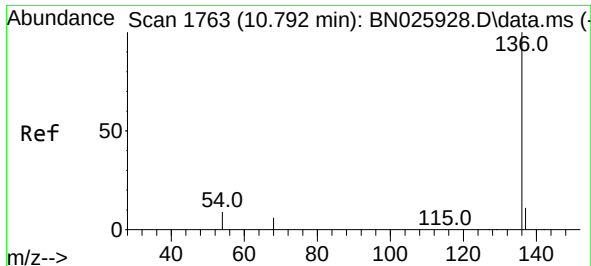
Tgt Ion: 99 Resp: 330121
Ion Ratio Lower Upper
99 100
42 17.3 16.4 24.6
71 31.0 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.501 ng
RT: 9.078 min Scan# 1019
Delta R.T. 0.344 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

Tgt Ion: 70 Resp: 23048
Ion Ratio Lower Upper
70 100
42 54.0 54.2 81.2#
101 0.0 7.4 11.0#
130 1.8 13.4 20.0#

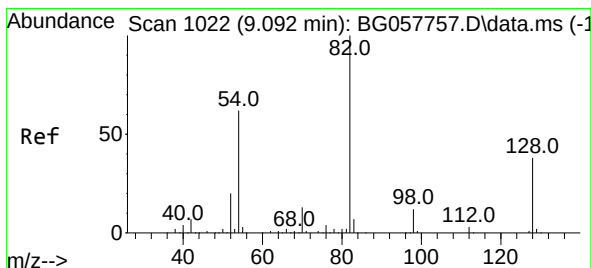
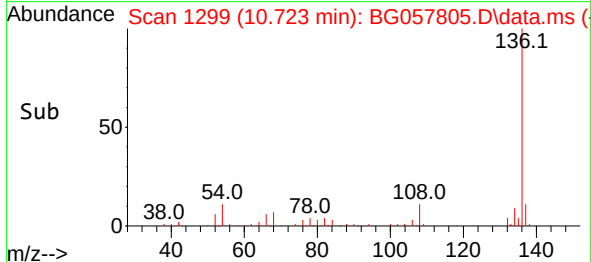
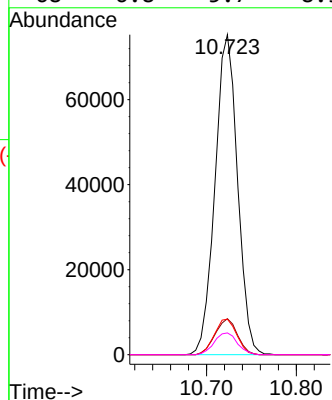
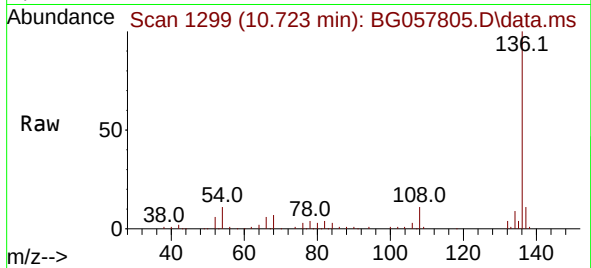




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

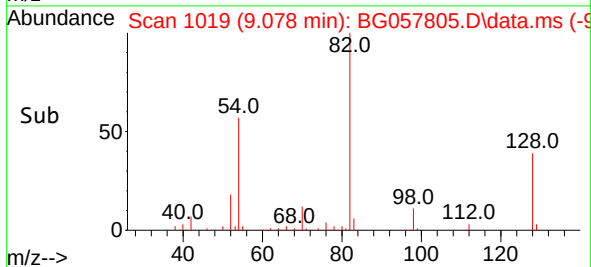
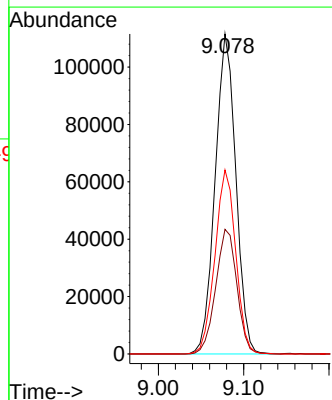
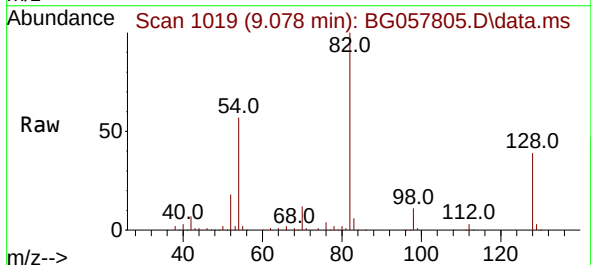
Instrument :
BNA_G
ClientSampleId :
SB-2

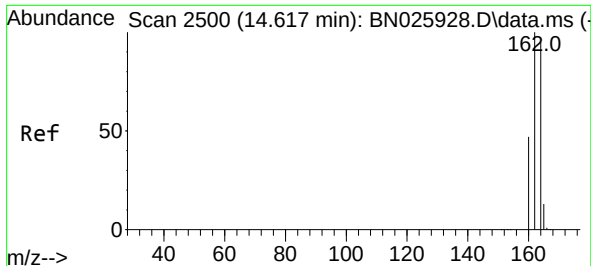
Tgt Ion:	136	Resp:	130735
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	11.1	9.5	14.3
68	6.8	5.7	8.5



#23
Nitrobenzene-d5
Concen: 73.913 ng
RT: 9.078 min Scan# 1019
Delta R.T. -0.014 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

Tgt Ion:	82	Resp:	188277
Ion Ratio	Lower	Upper	
82	100		
128	38.9	30.7	46.1
54	57.5	49.6	74.4

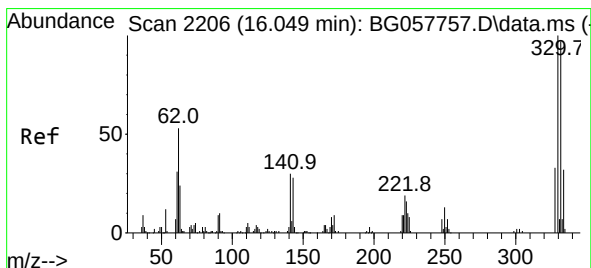
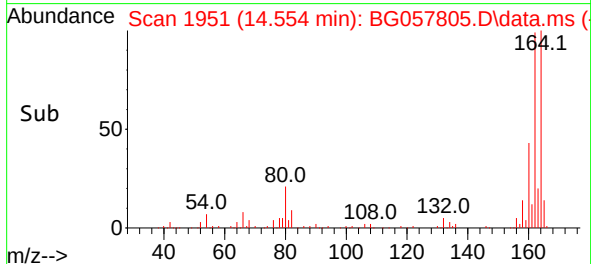
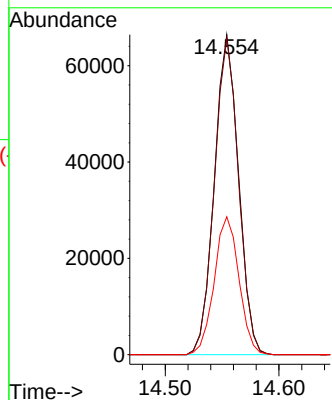
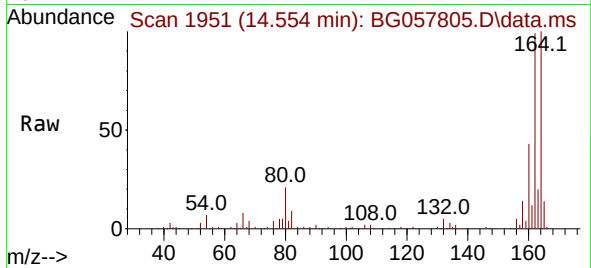




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.554 min Scan# 1951
Delta R.T. -0.009 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

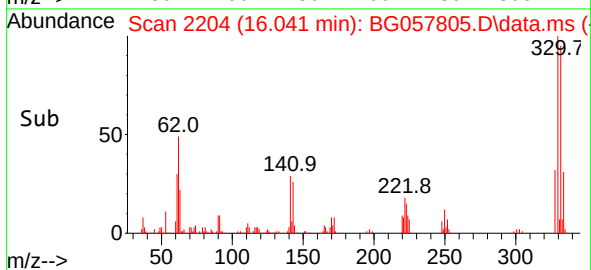
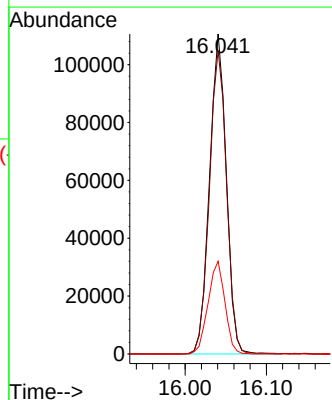
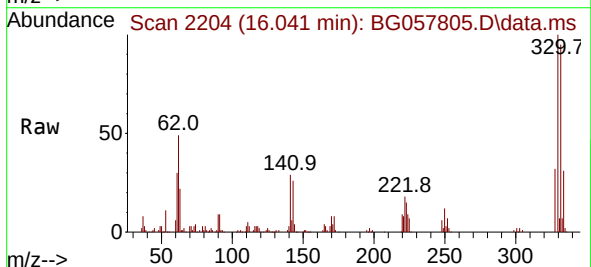
Instrument :
BNA_G
ClientSampleId :
SB-2

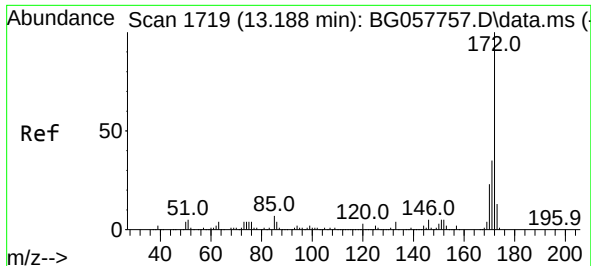
Tgt Ion:164 Resp: 98357
Ion Ratio Lower Upper
164 100
162 99.0 78.3 117.5
160 43.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 115.708 ng
RT: 16.041 min Scan# 2204
Delta R.T. -0.009 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

Tgt Ion:330 Resp: 158532
Ion Ratio Lower Upper
330 100
332 97.1 76.6 115.0
141 29.0 24.7 37.1

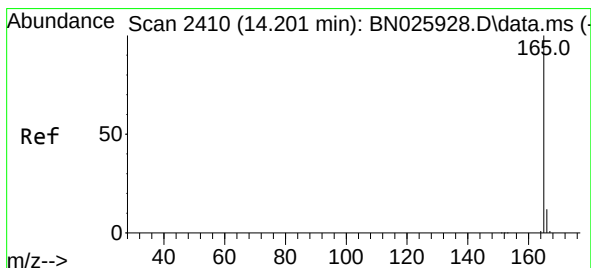
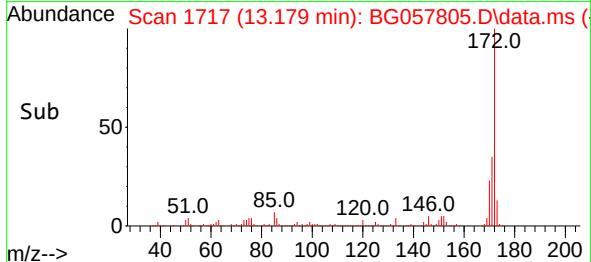
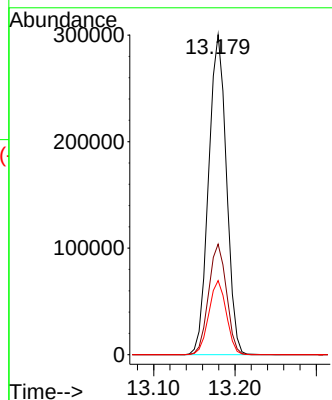
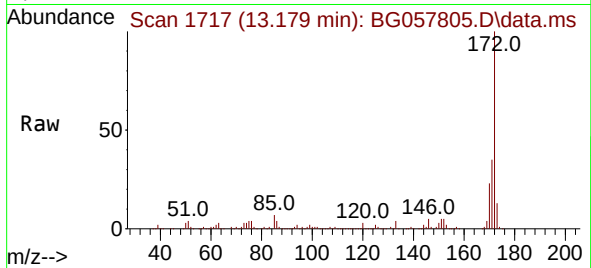




#45
2-Fluorobiphenyl
Concen: 70.489 ng
RT: 13.179 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

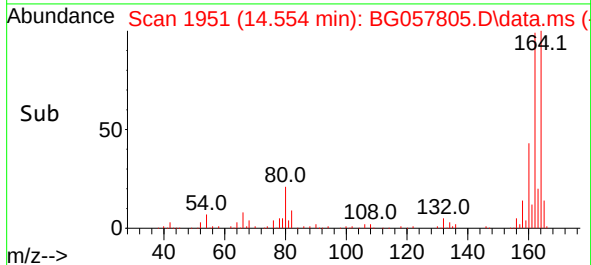
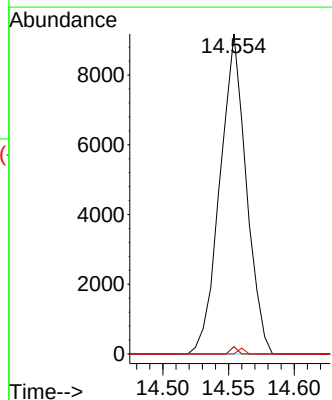
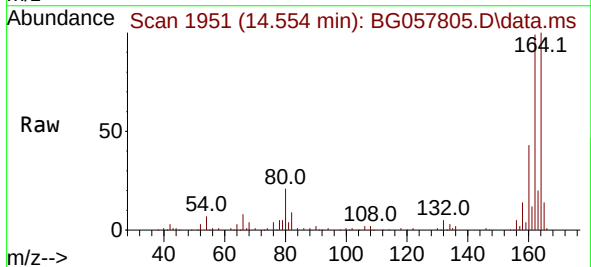
Instrument :
BNA_G
ClientSampleId :
SB-2

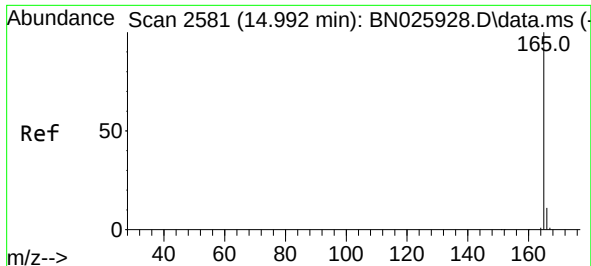
Tgt Ion:172 Resp: 457101
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.1 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.198 ng
RT: 14.554 min Scan# 1951
Delta R.T. 0.420 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

Tgt Ion:165 Resp: 12795
Ion Ratio Lower Upper
165 100
63 2.3 52.8 79.2#
89 0.0 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.782 ng

RT: 14.554 min Scan# 1951

Delta R.T. -0.367 min

Lab File: BG057805.D

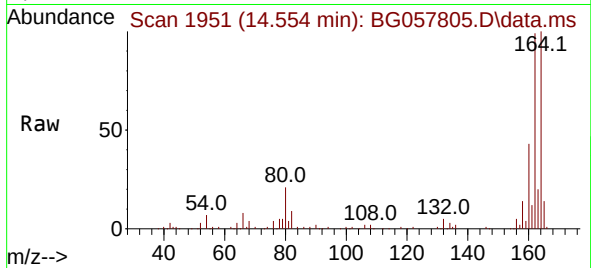
Acq: 22 Jun 2023 11:39

Instrument :

BNA_G

ClientSampleId :

SB-2



Tgt Ion:165 Resp: 12795

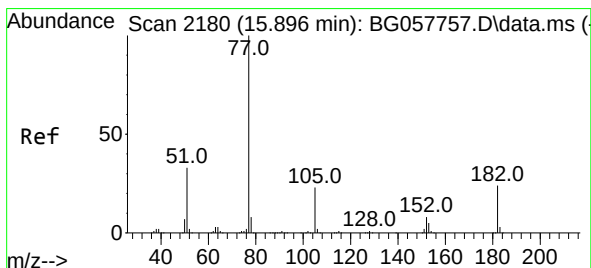
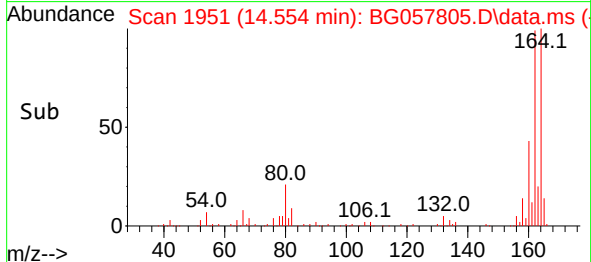
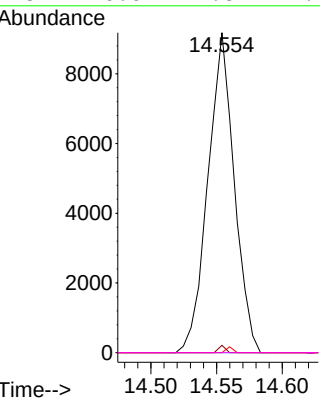
Ion Ratio Lower Upper

165 100

63 2.3 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.086 ng

RT: 15.905 min Scan# 2181

Delta R.T. 0.009 min

Lab File: BG057805.D

Acq: 22 Jun 2023 11:39

Tgt Ion: 77 Resp: 16537

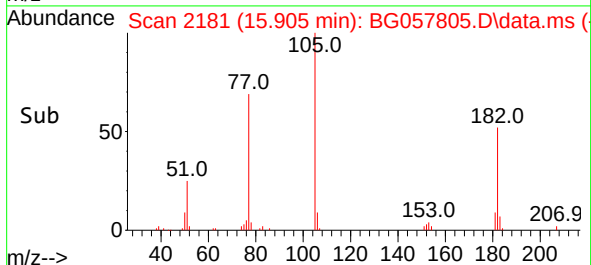
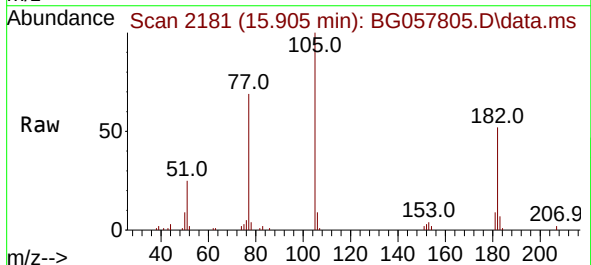
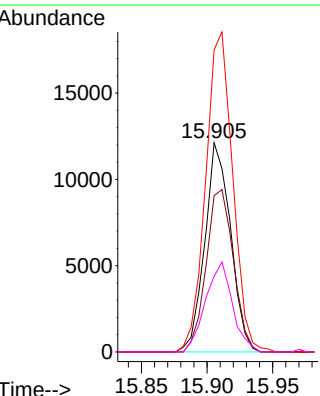
Ion Ratio Lower Upper

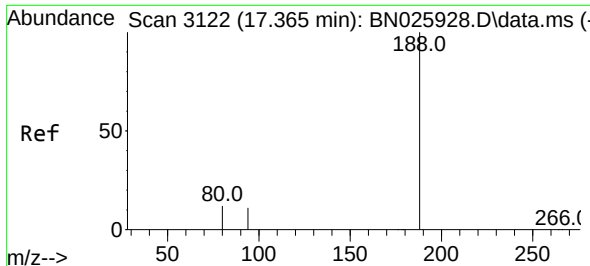
77 100

182 74.7 4.1 44.1#

105 144.5 3.3 43.3#

51 36.2 13.4 53.4

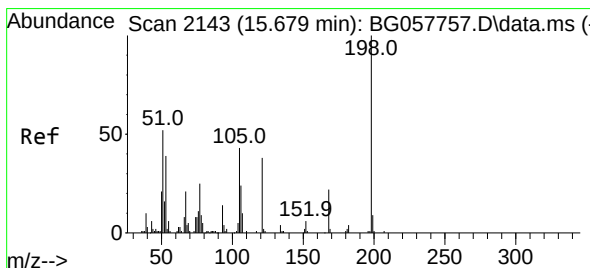
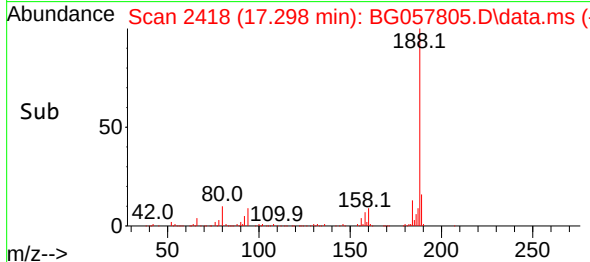
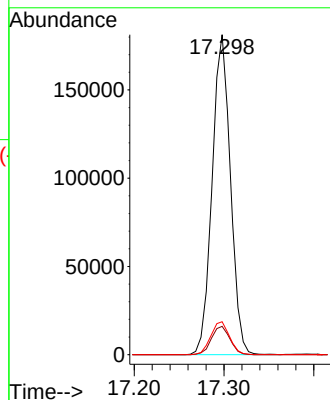
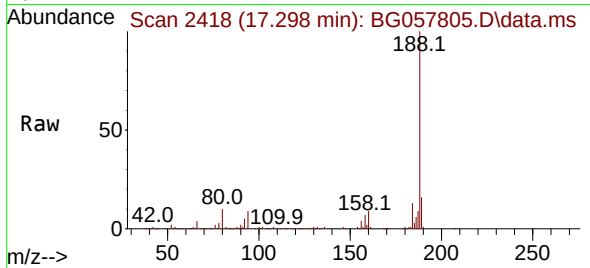




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2418
Delta R.T. -0.009 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

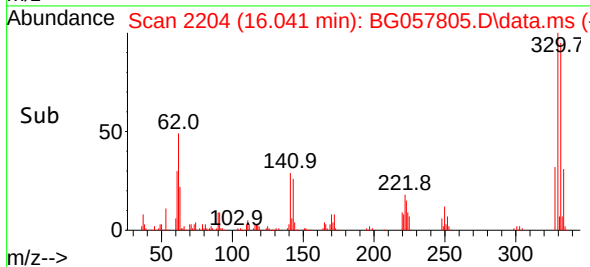
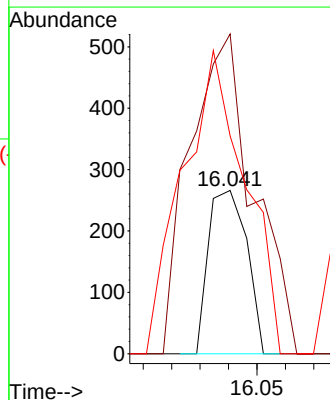
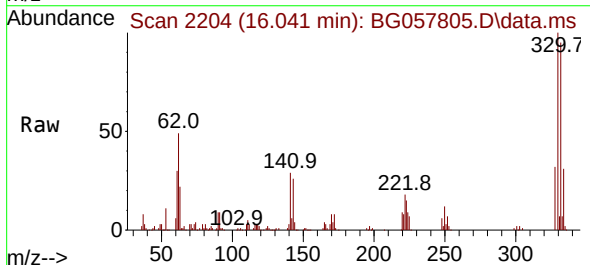
Instrument :
BNA_G
ClientSampleId :
SB-2

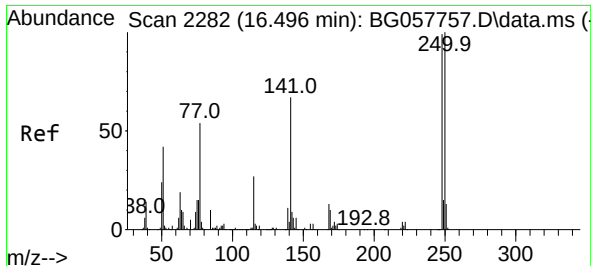
Tgt Ion:188 Resp: 256401
Ion Ratio Lower Upper
188 100
94 8.9 6.6 9.8
80 10.3 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.500 ng
RT: 16.041 min Scan# 2204
Delta R.T. 0.362 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

Tgt Ion:198 Resp: 249
Ion Ratio Lower Upper
198 100
51 195.9 36.6 76.6#
105 133.5 24.3 64.3#

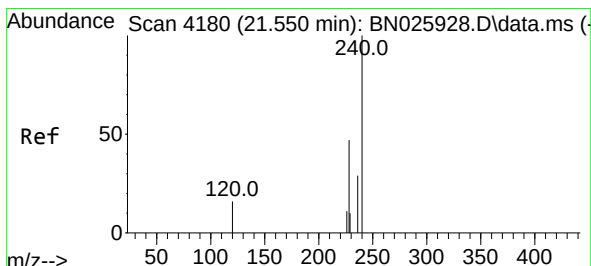
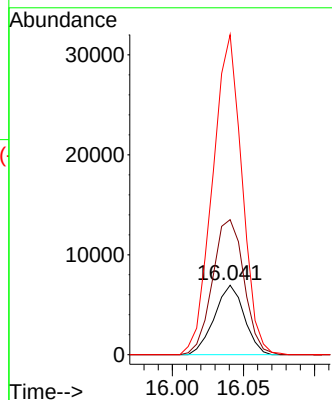
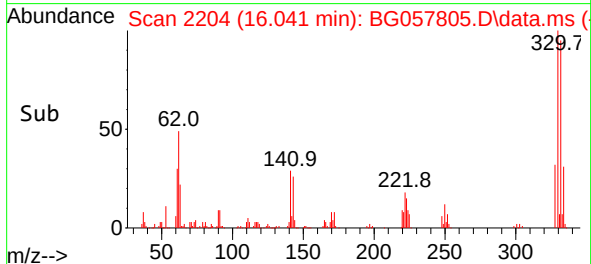
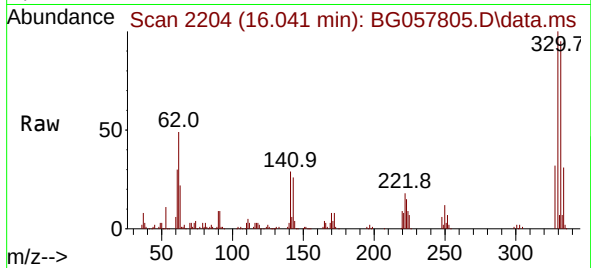




#67
4-Bromophenyl-phenylether
Concen: 3.733 ng
RT: 16.041 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

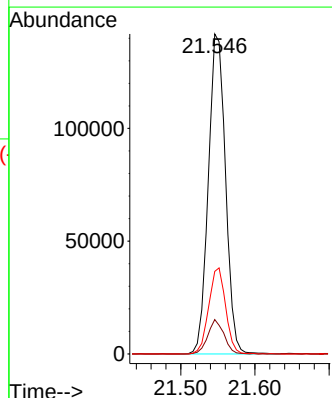
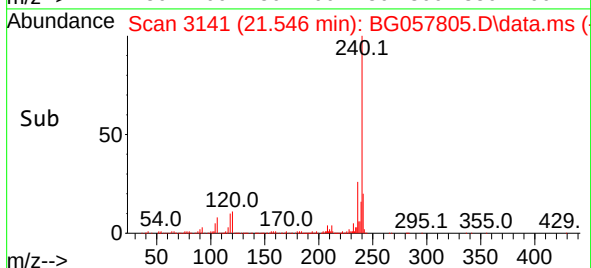
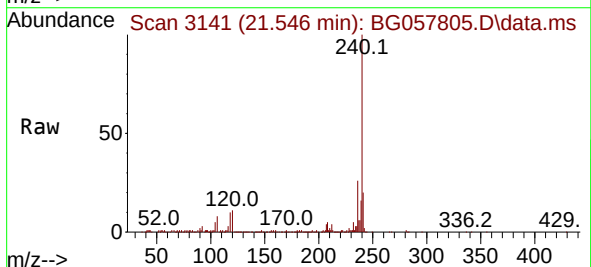
Instrument :
BNA_G
ClientSampleId :
SB-2

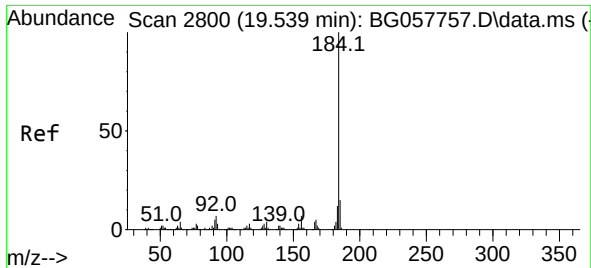
Tgt Ion:248 Resp: 10151
Ion Ratio Lower Upper
248 100
250 194.5 81.1 121.7#
141 460.9 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.546 min Scan# 3141
Delta R.T. -0.014 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

Tgt Ion:240 Resp: 228680
Ion Ratio Lower Upper
240 100
120 10.8 8.1 12.1
236 25.8 20.6 30.8

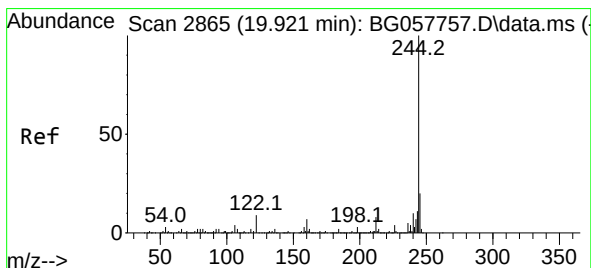
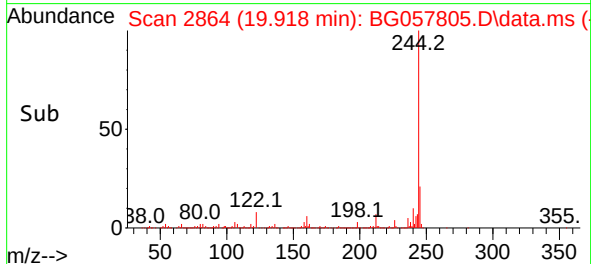
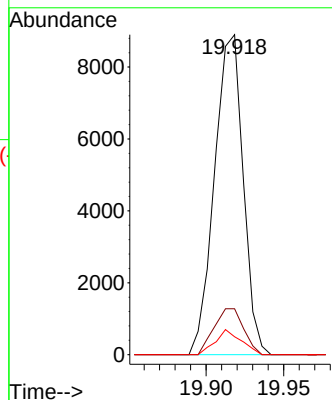
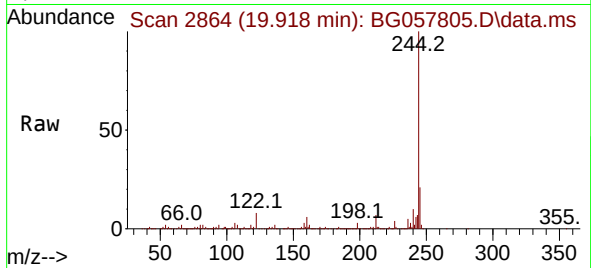




#77
Benzidine
Concen: 2.132 ng
RT: 19.918 min Scan# 2864
Delta R.T. 0.379 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

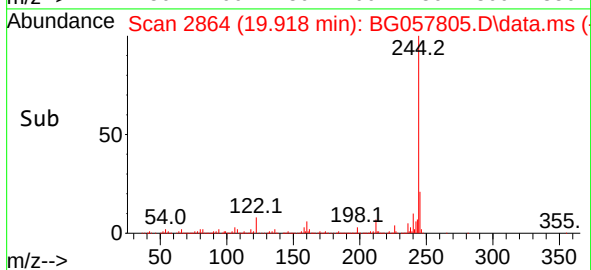
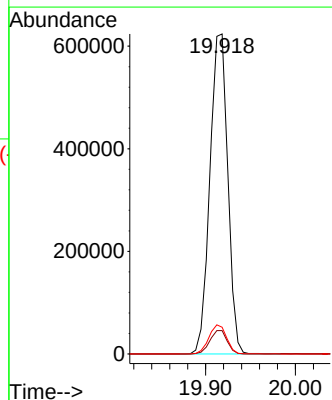
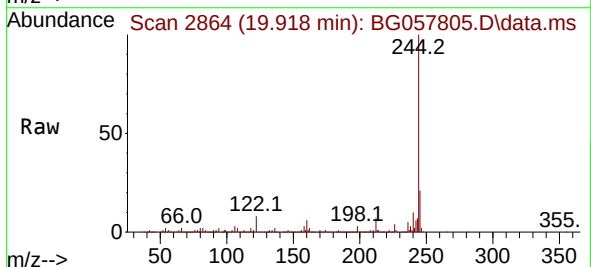
Instrument :
BNA_G
ClientSampleId :
SB-2

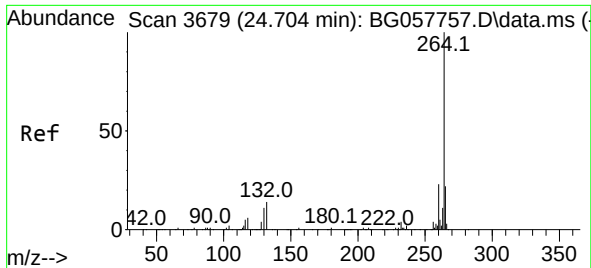
Tgt Ion:184 Resp: 11430
Ion Ratio Lower Upper
184 100
185 14.3 12.0 18.0
183 5.6 9.4 14.0#



#79
Terphenyl-d14
Concen: 70.299 ng
RT: 19.918 min Scan# 2864
Delta R.T. -0.003 min
Lab File: BG057805.D
Acq: 22 Jun 2023 11:39

Tgt Ion:244 Resp: 862136
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 8.4 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: BG057805.D
 Acq: 22 Jun 2023 11:39

Instrument :
 BNA_G
 ClientSampleId :
 SB-2

Tgt Ion:264 Resp: 276543
 Ion Ratio Lower Upper
 264 100
 260 21.4 18.5 27.7
 265 21.2 17.4 26.2

