

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057820.D
 Acq On : 22 Jun 2023 23:03
 Operator : CG/JU
 Sample : 03320-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-19

Quant Time: Jun 23 03:47:00 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)

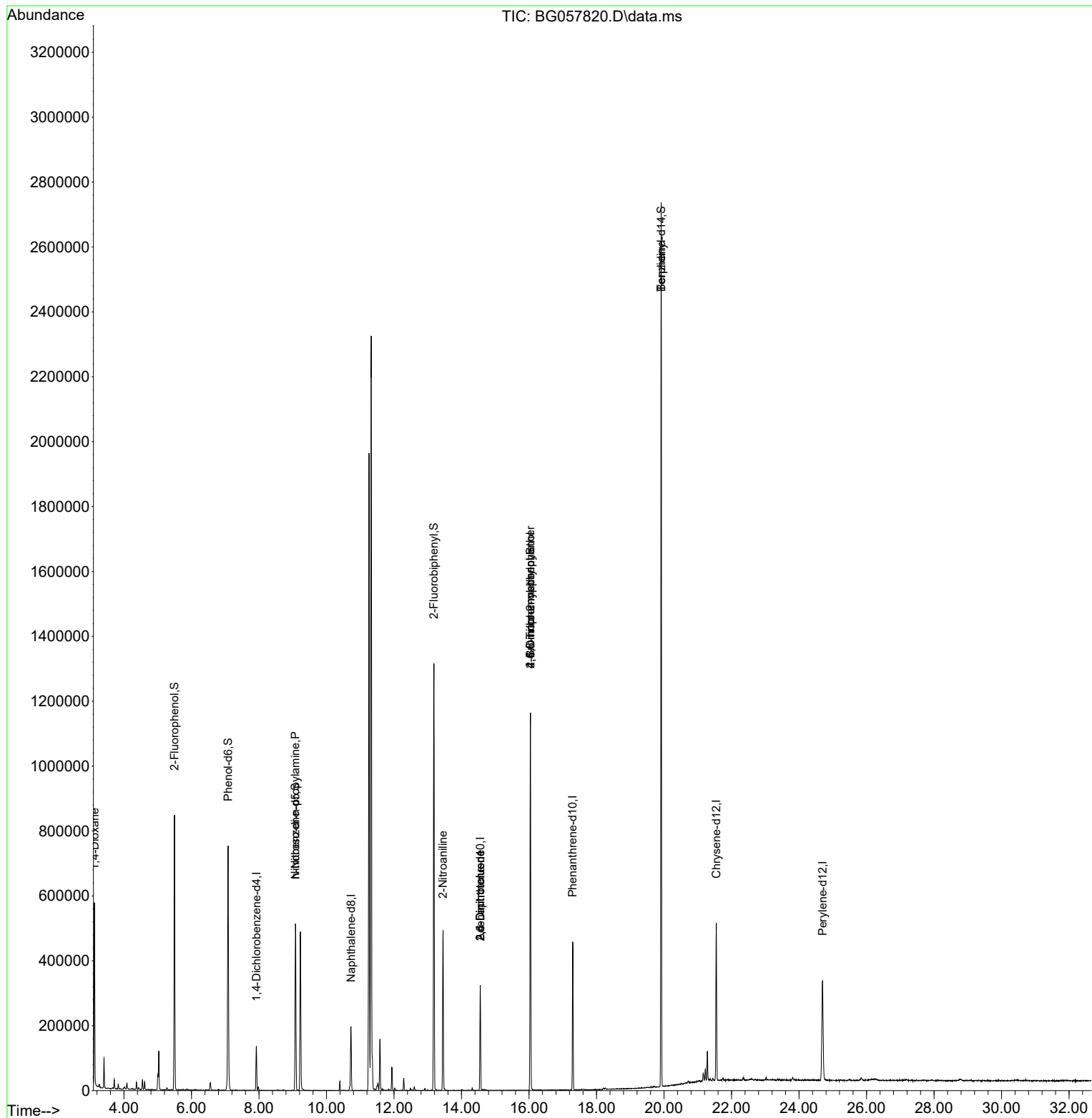
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	39025	20.000	ng	0.00
21) Naphthalene-d8	10.725	136	166501	20.000	ng	0.00
39) Acenaphthene-d10	14.556	164	116482	20.000	ng	0.00
64) Phenanthrene-d10	17.294	188	293340	20.000	ng	-0.01
76) Chrysene-d12	21.548	240	270840	20.000	ng	-0.01
86) Perylene-d12	24.697	264	327395	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	358459	141.630	ng	0.00
7) Phenol-d6	7.082	99	486101	125.872	ng	0.00
23) Nitrobenzene-d5	9.080	82	309736	95.475	ng	-0.01
42) 2,4,6-Tribromophenol	16.042	330	246337	151.818	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	693200	90.263	ng	0.00
79) Terphenyl-d14	19.914	244	1367381	94.141	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.128	88	4478	3.887	ng	# 1
19) n-Nitroso-di-n-propyla...	9.080	70	39001	14.486	ng	# 72
48) 2-Nitroaniline	13.445	65	8581	3.930	ng	# 19
51) 2,6-Dinitrotoluene	14.556	165	15419	9.359	ng	# 19
57) 2,4-Dinitrotoluene	14.556	165	15419	6.902	ng	# 19
65) 4,6-Dinitro-2-methylph...	16.042	198	452	5.610	ng	# 1
67) 4-Bromophenyl-phenylether	16.042	248	16026	5.151	ng	# 1
77) Benzidine	19.914	184	18090	2.849	ng	# 92

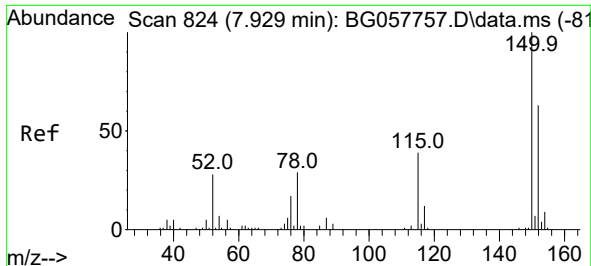
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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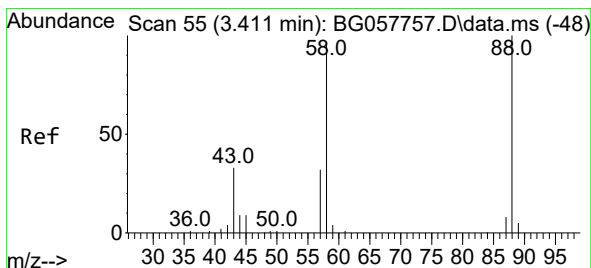
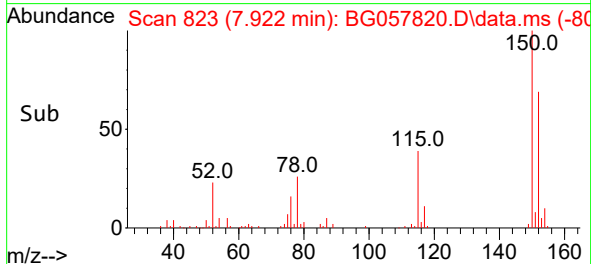
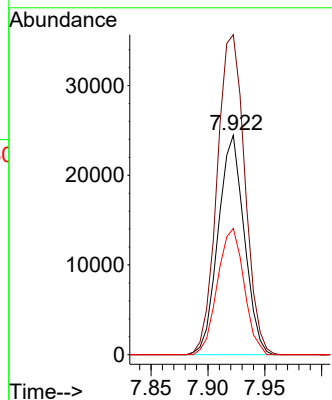
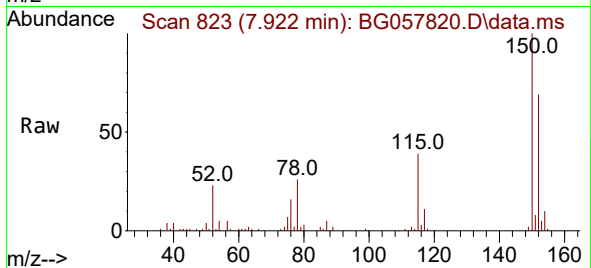




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

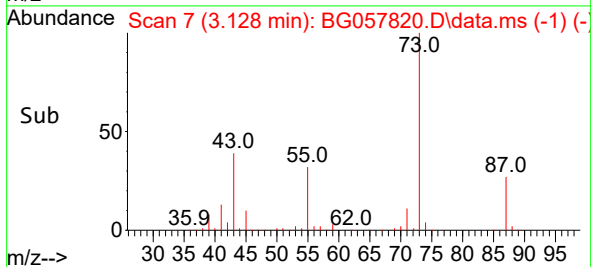
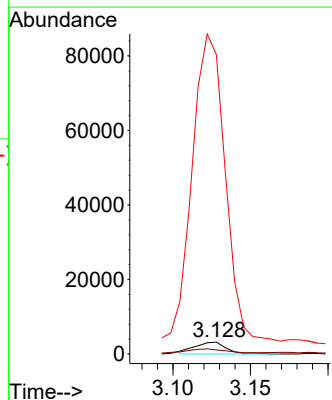
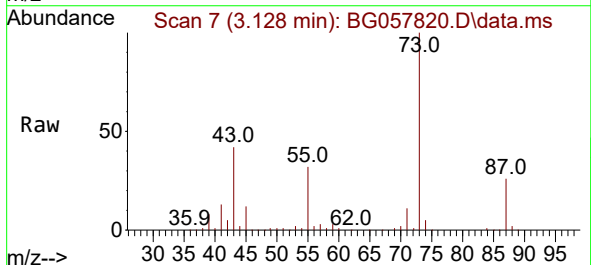
Instrument :
BNA_G
ClientSampleId :
WC-19

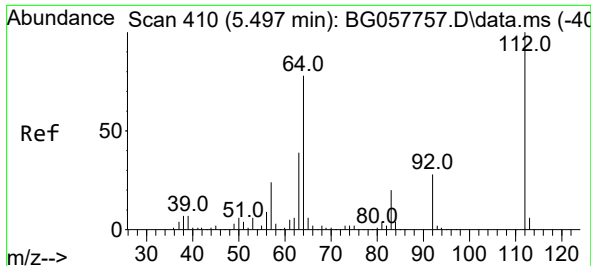
Tgt Ion:152 Resp: 39025
Ion Ratio Lower Upper
152 100
150 145.8 126.6 189.8
115 57.5 48.9 73.3



#2
1,4-Dioxane
Concen: 3.887 ng
RT: 3.128 min Scan# 7
Delta R.T. -0.283 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

Tgt Ion: 88 Resp: 4478
Ion Ratio Lower Upper
88 100
58 31.7 76.2 114.4#
43 2599.1 26.3 39.5#

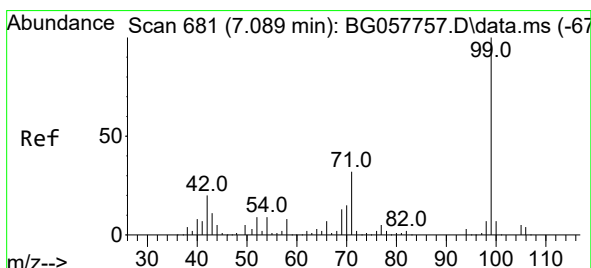
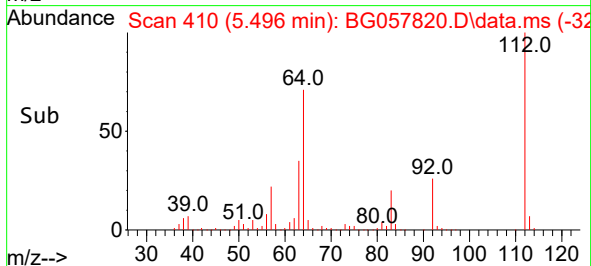
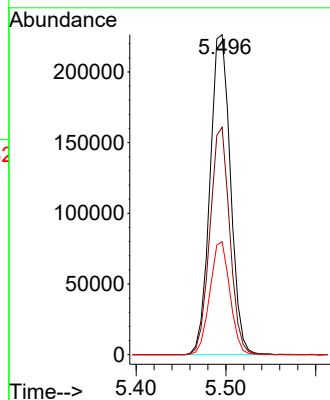
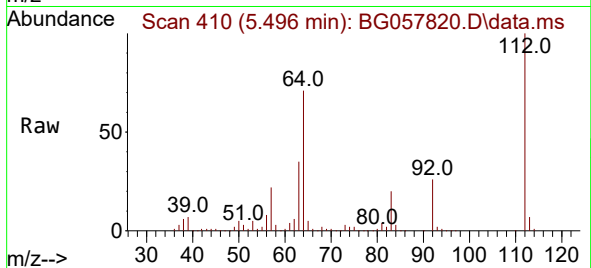




#5
2-Fluorophenol
Concen: 141.630 ng
RT: 5.496 min Scan# 410
Delta R.T. -0.001 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

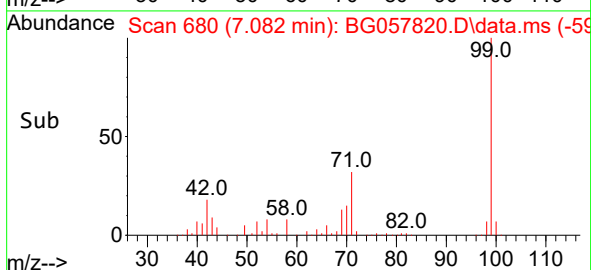
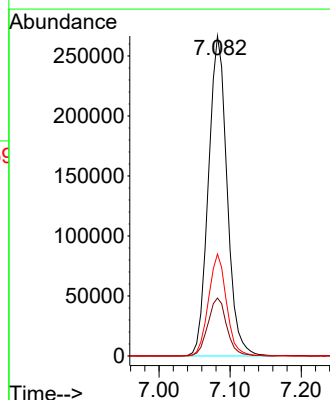
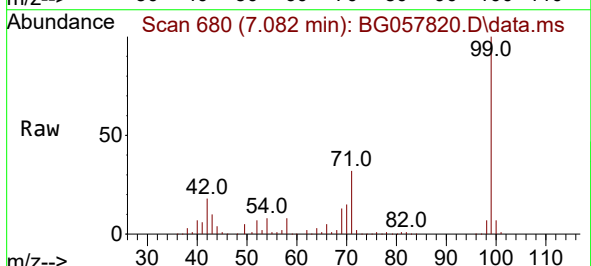
Instrument :
BNA_G
ClientSampleId :
WC-19

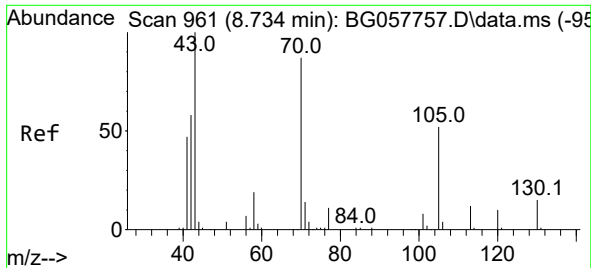
Tgt Ion:112 Resp: 358459
Ion Ratio Lower Upper
112 100
64 71.1 62.1 93.1
63 35.3 31.5 47.3



#7
Phenol-d6
Concen: 125.872 ng
RT: 7.082 min Scan# 680
Delta R.T. -0.007 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

Tgt Ion: 99 Resp: 486101
Ion Ratio Lower Upper
99 100
42 18.1 16.4 24.6
71 31.8 25.8 38.6

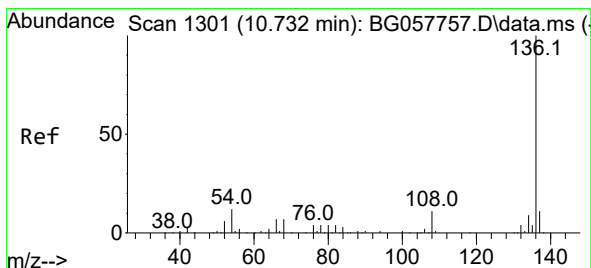
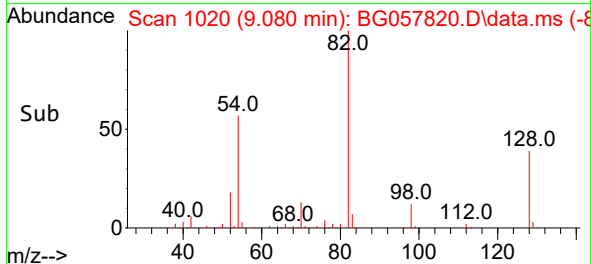
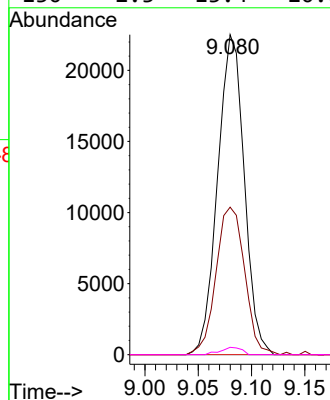
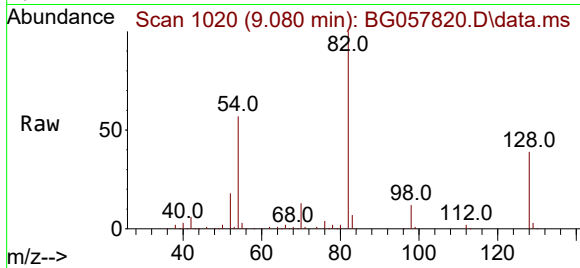




#19
n-Nitroso-di-n-propylamine
Concen: 14.486 ng
RT: 9.080 min Scan# 1020
Delta R.T. 0.346 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

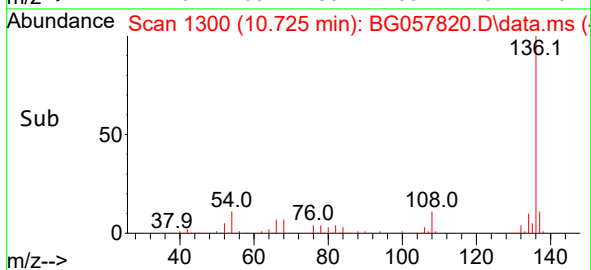
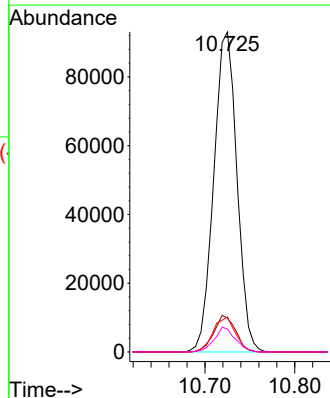
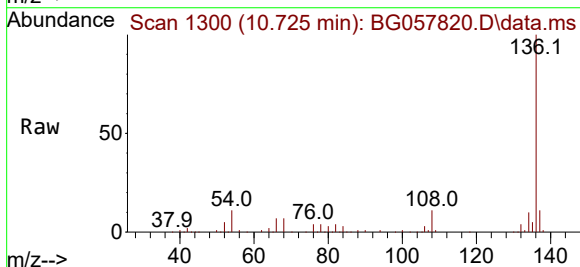
Instrument :
BNA_G
ClientSampleId :
WC-19

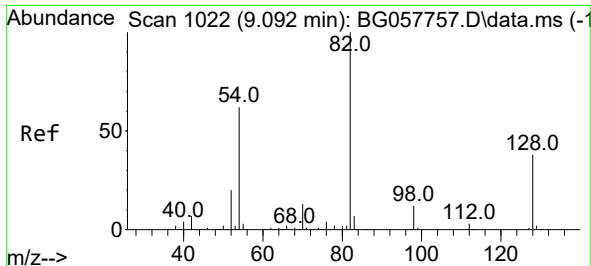
Tgt Ion: 70 Resp: 39001
Ion Ratio Lower Upper
70 100
42 46.1 54.2 81.2#
101 0.0 7.4 11.0#
130 2.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 1300
Delta R.T. -0.007 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

Tgt Ion:136 Resp: 166501
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 11.0 9.5 14.3
68 7.2 5.7 8.5

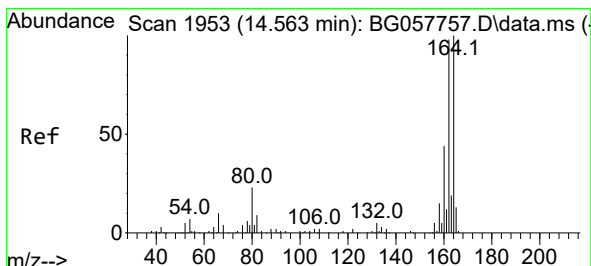
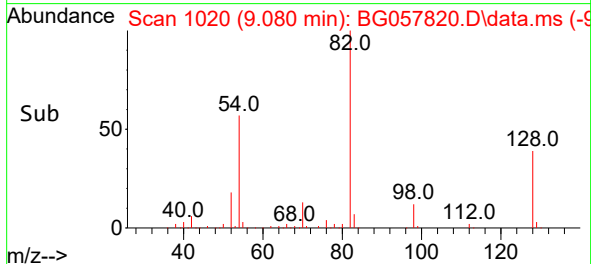
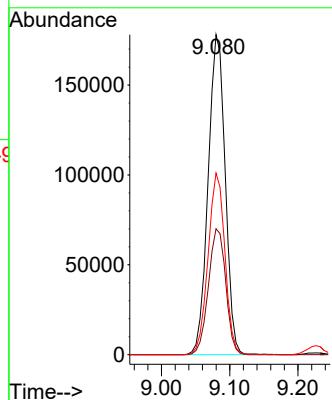
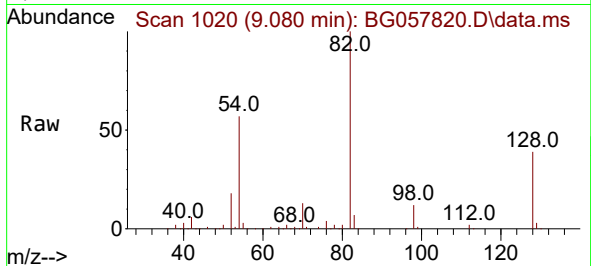




#23
Nitrobenzene-d5
Concen: 95.475 ng
RT: 9.080 min Scan# 1020
Delta R.T. -0.013 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

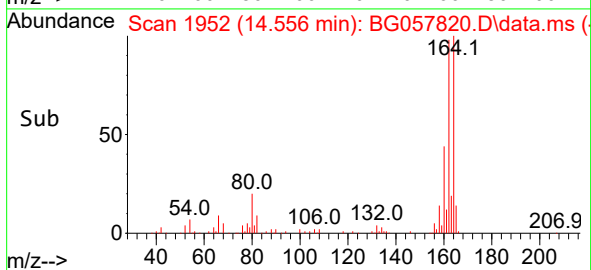
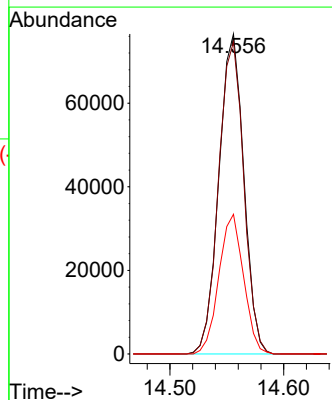
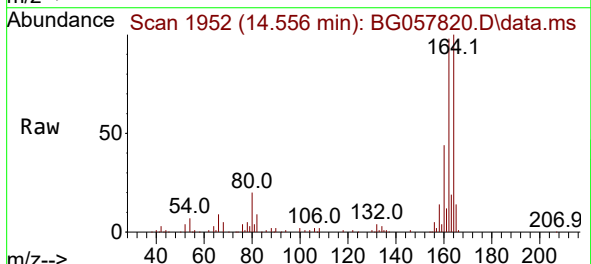
Instrument :
BNA_G
ClientSampleId :
WC-19

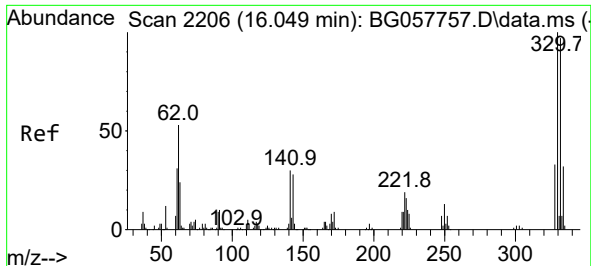
Tgt Ion: 82 Resp: 309736
Ion Ratio Lower Upper
82 100
128 39.3 30.7 46.1
54 56.7 49.6 74.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.007 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

Tgt Ion:164 Resp: 116482
Ion Ratio Lower Upper
164 100
162 97.5 78.3 117.5
160 43.7 35.4 53.0

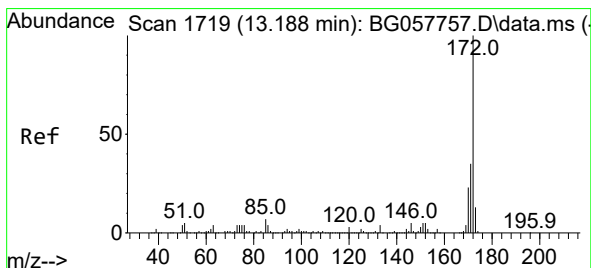
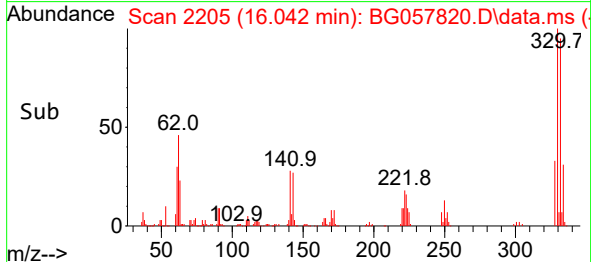
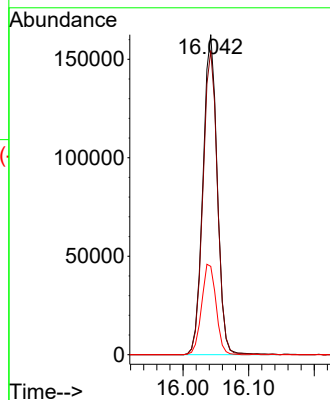
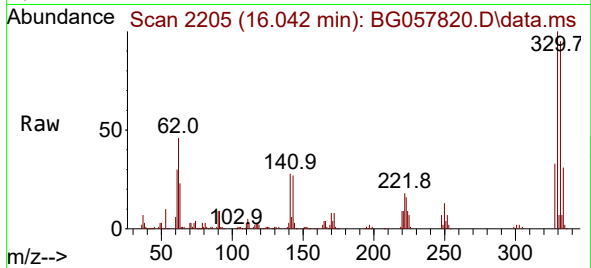




#42
2,4,6-Tribromophenol
Concen: 151.818 ng
RT: 16.042 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

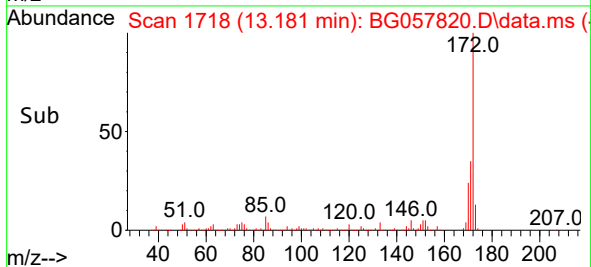
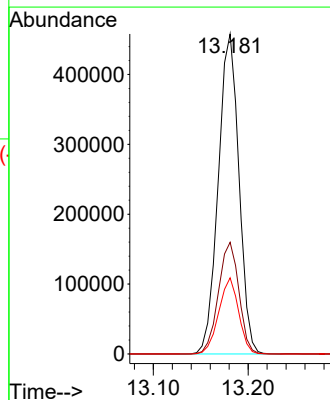
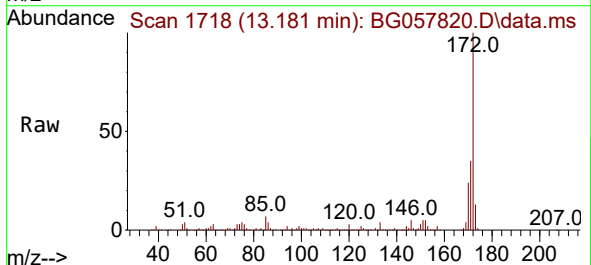
Instrument :
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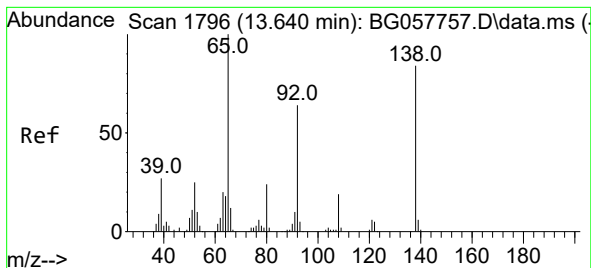
Tgt Ion:330 Resp: 246337
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 28.5 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 90.263 ng
RT: 13.181 min Scan# 1718
Delta R.T. -0.007 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

Tgt Ion:172 Resp: 693200
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.8 18.6 27.8

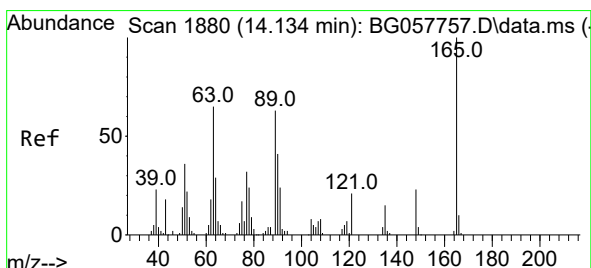
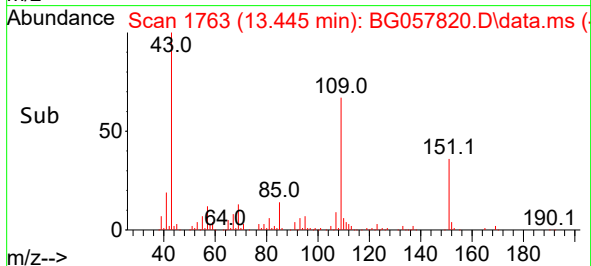
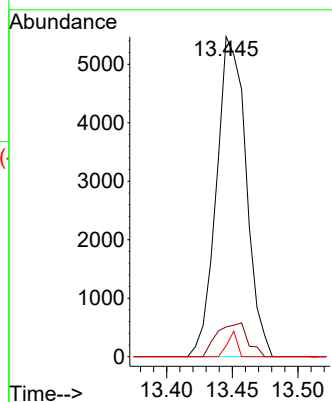
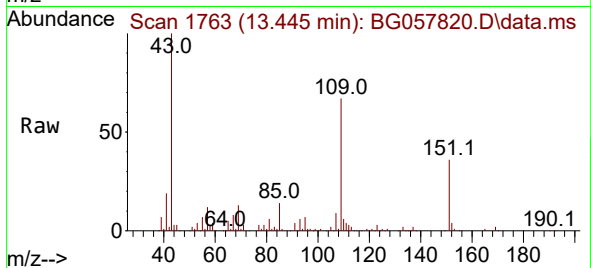




#48
2-Nitroaniline
Concen: 3.930 ng
RT: 13.445 min Scan# 1
Delta R.T. -0.195 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

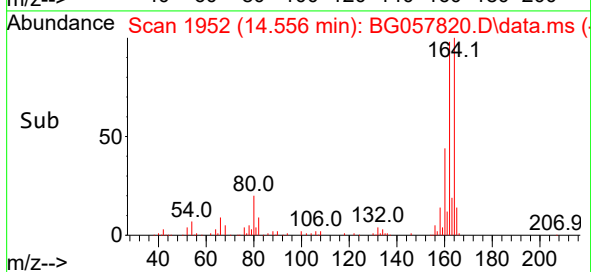
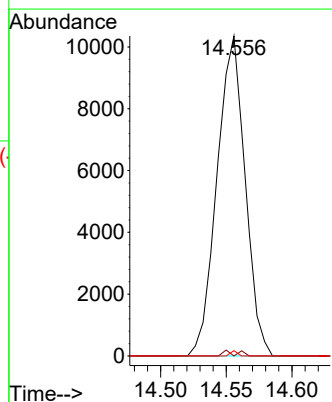
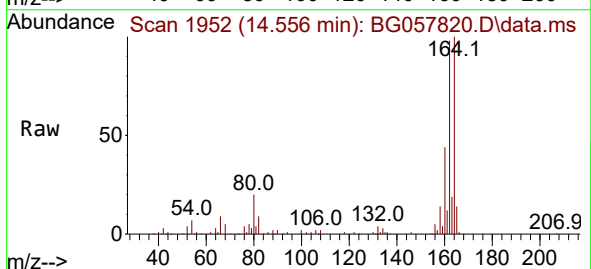
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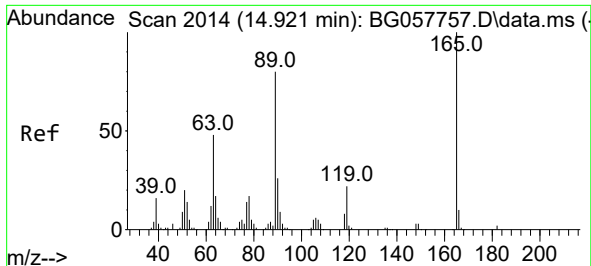
Tgt Ion: 65 Resp: 8581
Ion Ratio Lower Upper
65 100
92 9.3 51.2 76.8#
138 3.4 67.2 100.8#



#51
2,6-Dinitrotoluene
Concen: 9.359 ng
RT: 14.556 min Scan# 1952
Delta R.T. 0.422 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

Tgt Ion:165 Resp: 15419
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 1.7 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.902 ng

RT: 14.556 min Scan# 1952

Delta R.T. -0.365 min

Lab File: BG057820.D

Acq: 22 Jun 2023 23:03

Instrument :

BNA_G

ClientSampleId :

WC-19

Tgt Ion:165 Resp: 15419

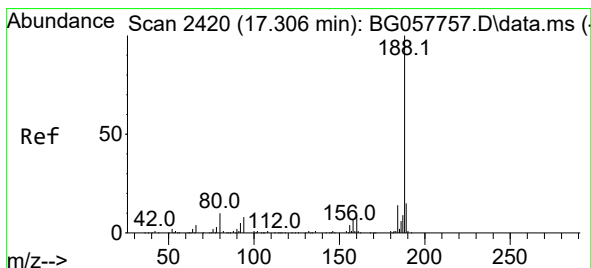
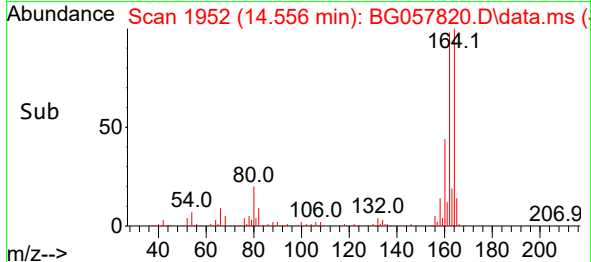
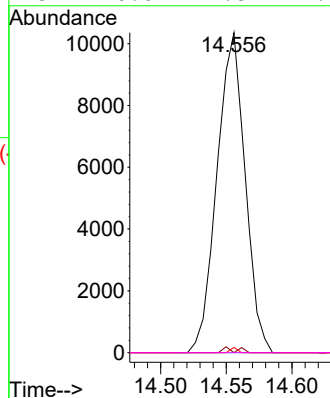
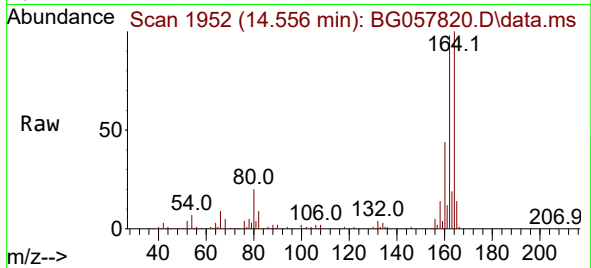
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 1.7 63.7 95.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.294 min Scan# 2418

Delta R.T. -0.013 min

Lab File: BG057820.D

Acq: 22 Jun 2023 23:03

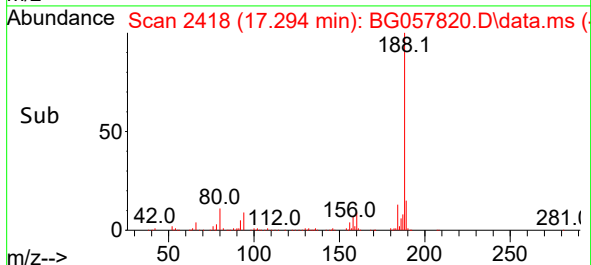
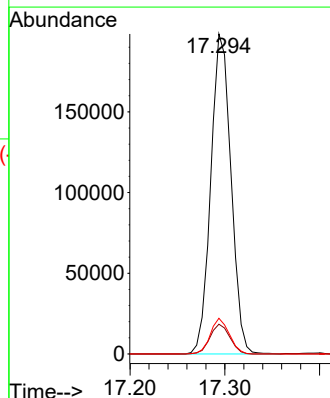
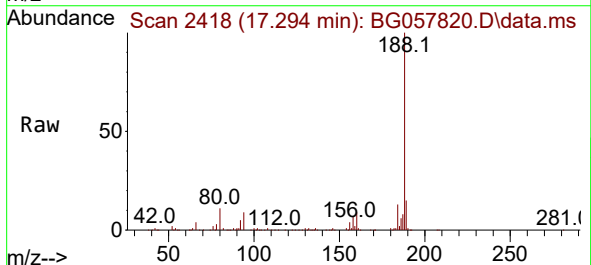
Tgt Ion:188 Resp: 293340

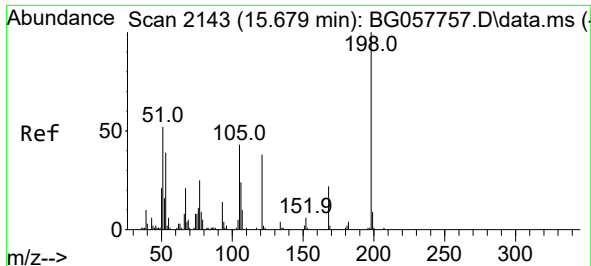
Ion Ratio Lower Upper

188 100

94 9.3 6.6 9.8

80 11.1 7.6 11.4

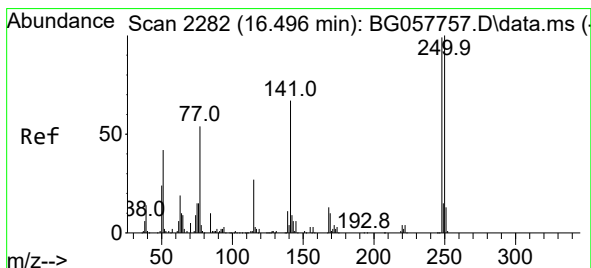
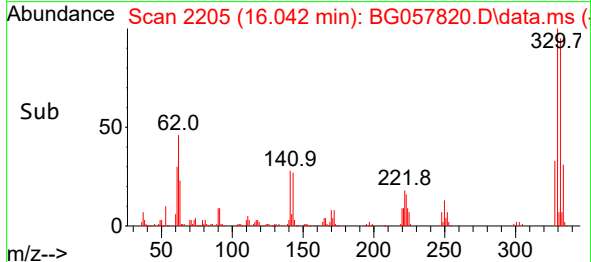
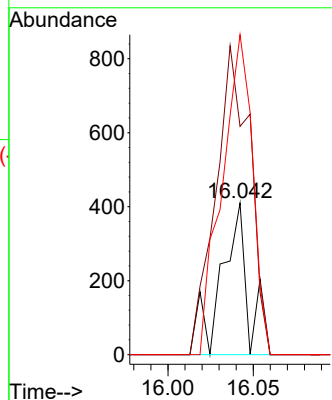
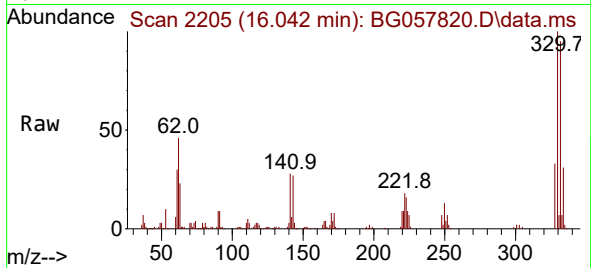




#65
4,6-Dinitro-2-methylphenol
Concen: 5.610 ng
RT: 16.042 min Scan# 2143
Delta R.T. 0.363 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

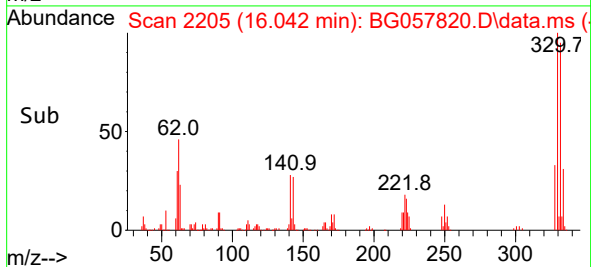
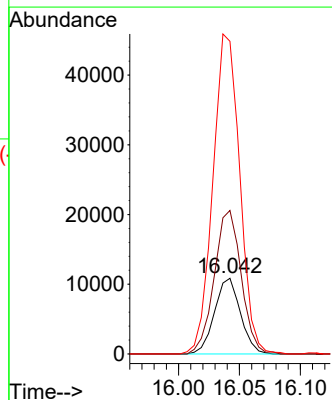
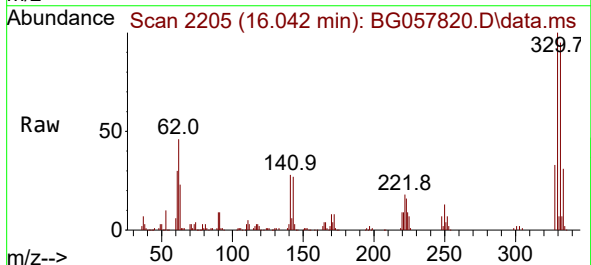
Instrument :
BNA_G
ClientSampleId :
WC-19

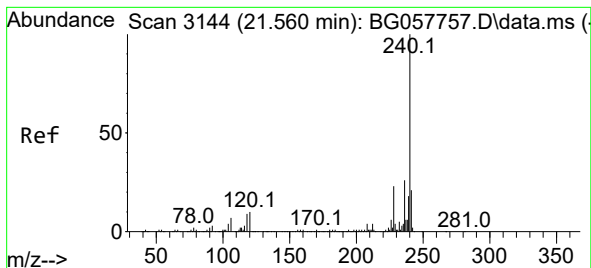
Tgt Ion:198 Resp: 452
Ion Ratio Lower Upper
198 100
51 150.5 36.6 76.6#
105 211.0 24.3 64.3#



#67
4-Bromophenyl-phenylether
Concen: 5.151 ng
RT: 16.042 min Scan# 2205
Delta R.T. -0.453 min
Lab File: BG057820.D
Acq: 22 Jun 2023 23:03

Tgt Ion:248 Resp: 16026
Ion Ratio Lower Upper
248 100
250 189.6 81.1 121.7#
141 412.8 54.6 81.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.548 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG057820.D

Acq: 22 Jun 2023 23:03

Instrument :

BNA_G

ClientSampleId :

WC-19

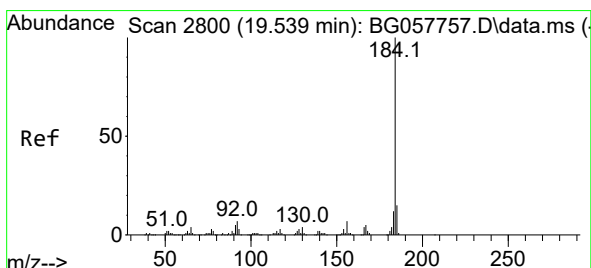
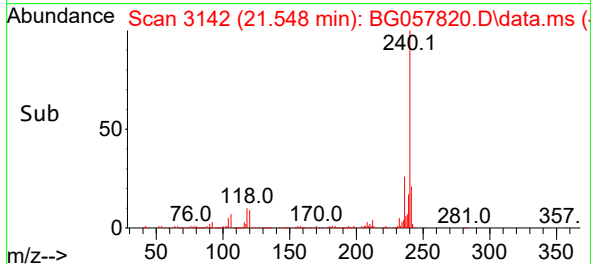
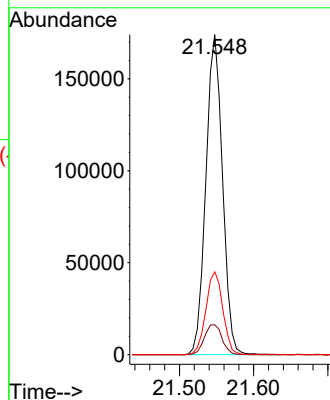
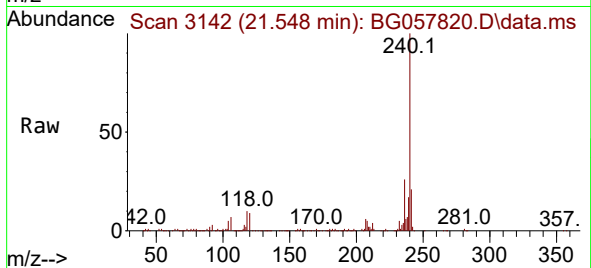
Tgt Ion:240 Resp: 270840

Ion Ratio Lower Upper

240 100

120 9.4 8.1 12.1

236 25.9 20.6 30.8



#77

Benzidine

Concen: 2.849 ng

RT: 19.914 min Scan# 2864

Delta R.T. 0.375 min

Lab File: BG057820.D

Acq: 22 Jun 2023 23:03

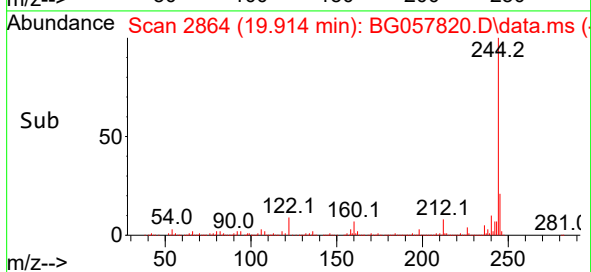
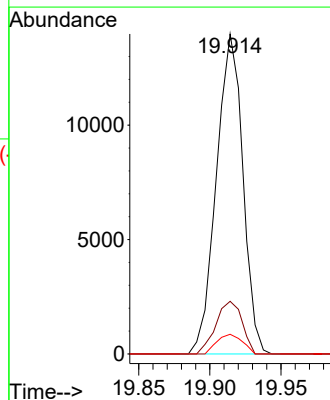
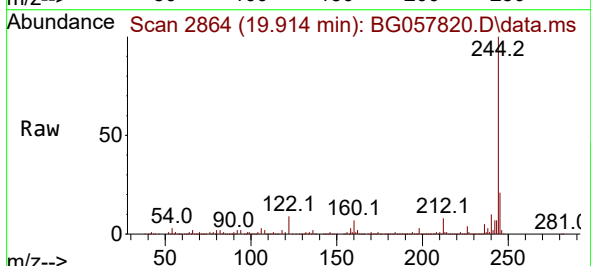
Tgt Ion:184 Resp: 18090

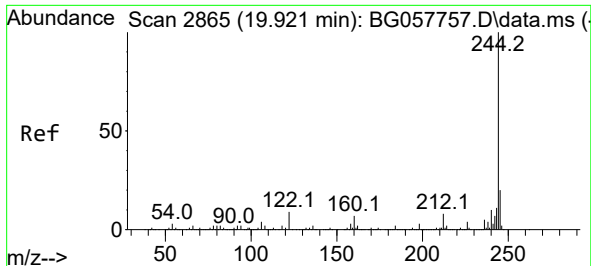
Ion Ratio Lower Upper

184 100

185 16.5 12.0 18.0

183 6.2 9.4 14.0#

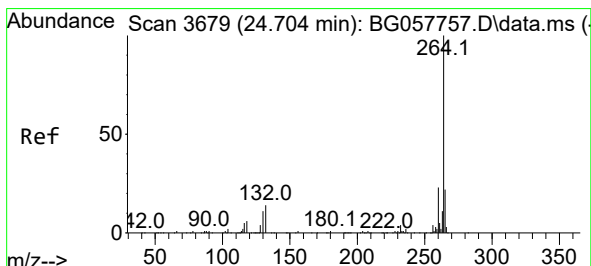
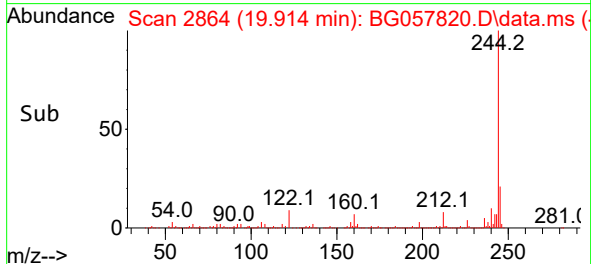
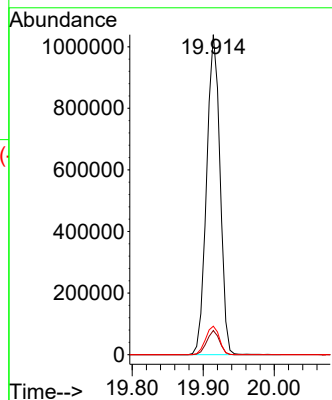
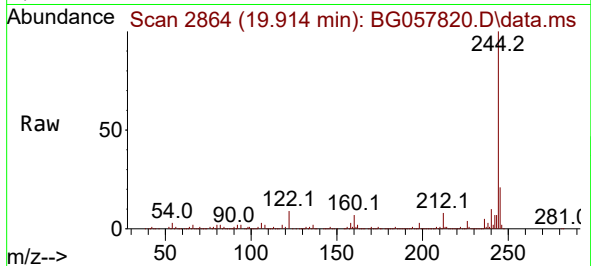




#79
 Terphenyl-d14
 Concen: 94.141 ng
 RT: 19.914 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG057820.D
 Acq: 22 Jun 2023 23:03

Instrument :
 BNA_G
 ClientSampleId :
 WC-19

Tgt Ion:244 Resp: 1367381
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 8.9 7.6 11.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.697 min Scan# 3678
 Delta R.T. -0.007 min
 Lab File: BG057820.D
 Acq: 22 Jun 2023 23:03

Tgt Ion:264 Resp: 327395
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.5 27.7
 265 21.2 17.4 26.2

