

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057829.D
 Acq On : 23 Jun 2023 5:18
 Operator : CG/JU
 Sample : 03320-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-14A

Quant Time: Jun 23 06:05:08 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)

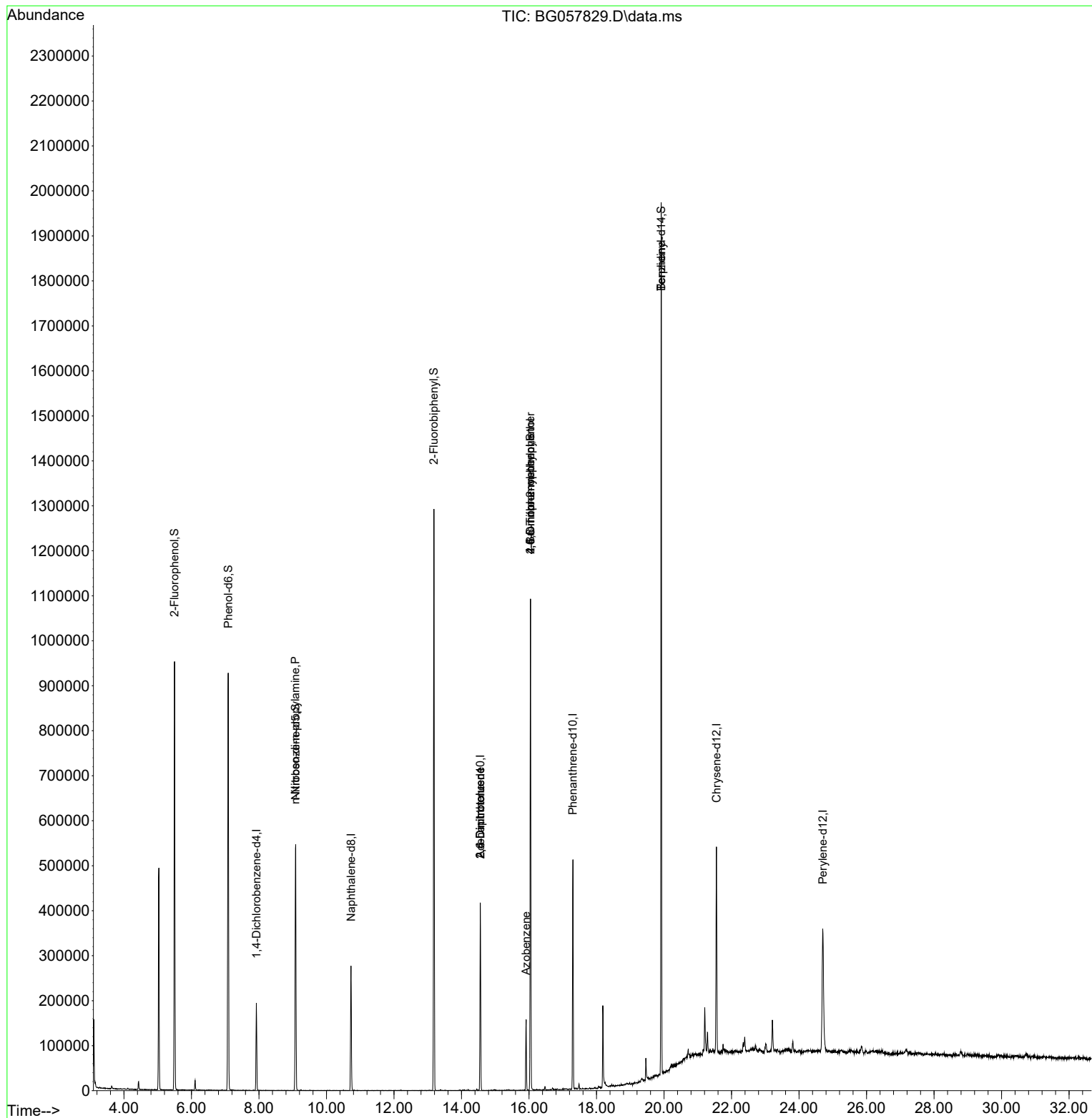
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	51743	20.000	ng	0.00
21) Naphthalene-d8	10.726	136	224291	20.000	ng	0.00
39) Acenaphthene-d10	14.556	164	145519	20.000	ng	0.00
64) Phenanthrene-d10	17.300	188	318110	20.000	ng	0.00
76) Chrysene-d12	21.554	240	266848	20.000	ng	0.00
86) Perylene-d12	24.703	264	334715	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	389331	116.018	ng	0.00
7) Phenol-d6	7.089	99	549749	107.364	ng	0.00
23) Nitrobenzene-d5	9.086	82	330534	75.635	ng	0.00
42) 2,4,6-Tribromophenol	16.043	330	232310	114.604	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	687380	71.646	ng	0.00
79) Terphenyl-d14	19.915	244	1048226	73.247	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.080	70	41606	11.655	ng	# 78
51) 2,6-Dinitrotoluene	14.556	165	19386	9.419	ng	# 20
57) 2,4-Dinitrotoluene	14.556	165	19386	6.946	ng	# 20
63) Azobenzene	15.914	77	46247	3.943	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.043	198	563	5.654	ng	# 18
67) 4-Bromophenyl-phenylether	16.043	248	15197	4.505	ng	# 1
77) Benizidine	19.915	184	14038	2.244	ng	# 90

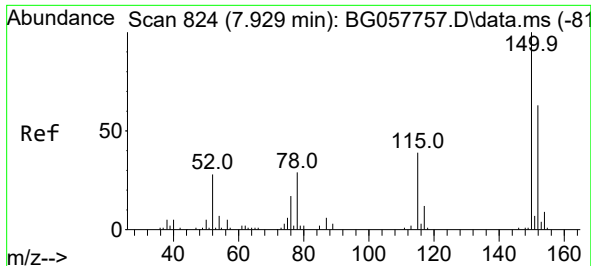
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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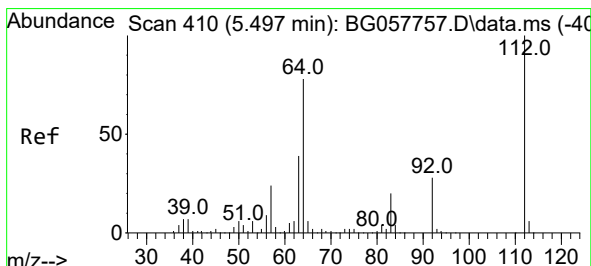
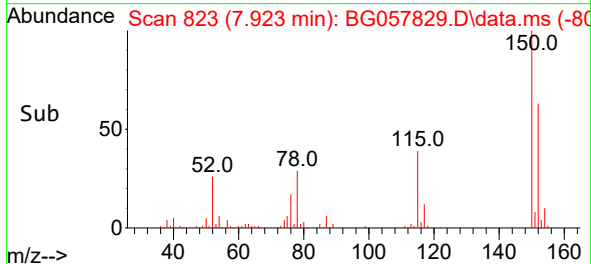
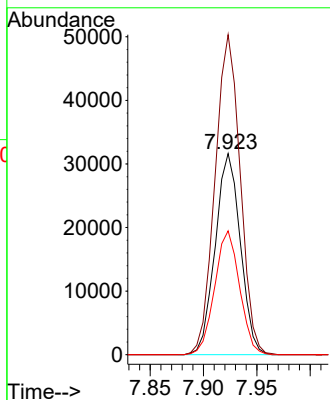
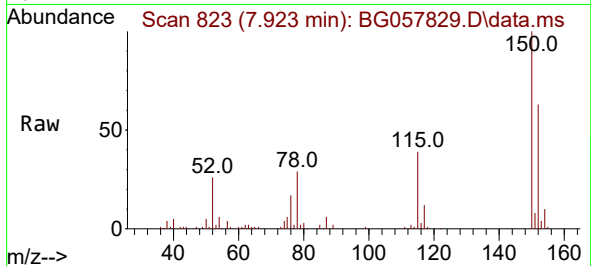




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057829.D
Acq: 23 Jun 2023 5:18

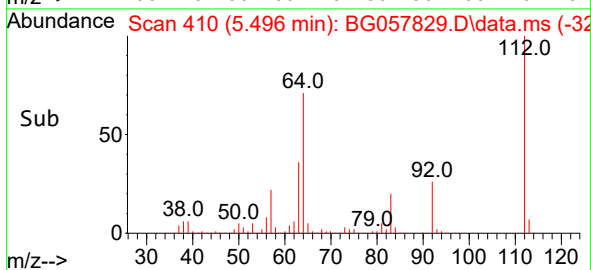
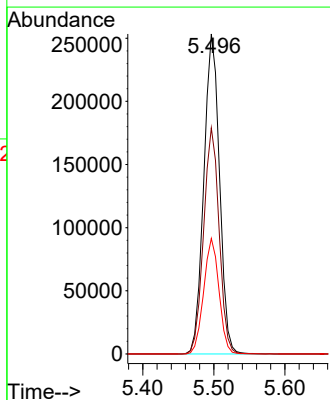
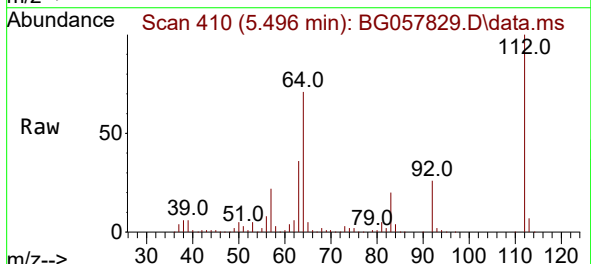
Instrument :
BNA_G
ClientSampleId :
WC-14A

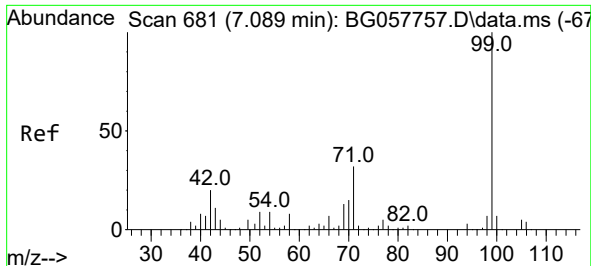
Tgt Ion:152 Resp: 51743
Ion Ratio Lower Upper
152 100
150 159.1 126.6 189.8
115 61.6 48.9 73.3



#5
2-Fluorophenol
Concen: 116.018 ng
RT: 5.496 min Scan# 410
Delta R.T. -0.001 min
Lab File: BG057829.D
Acq: 23 Jun 2023 5:18

Tgt Ion:112 Resp: 389331
Ion Ratio Lower Upper
112 100
64 70.7 62.1 93.1
63 36.1 31.5 47.3

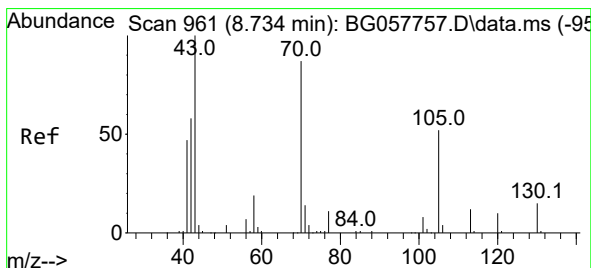
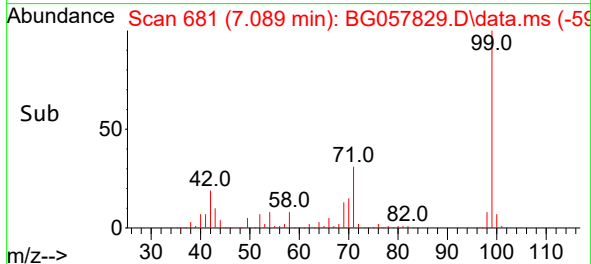
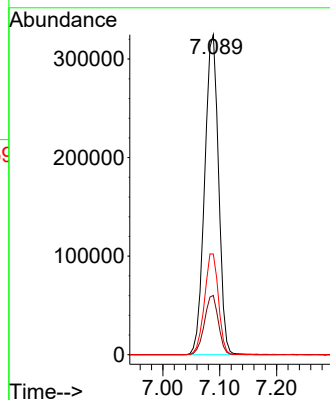
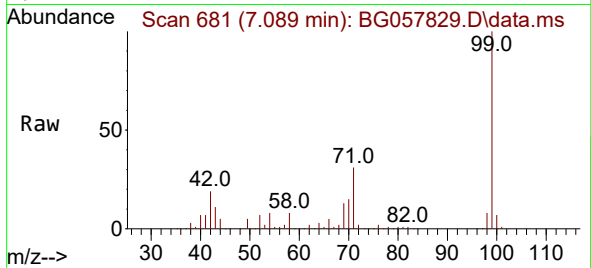




#7
Phenol-d6
Concen: 107.364 ng
RT: 7.089 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057829.D
Acq: 23 Jun 2023 5:18

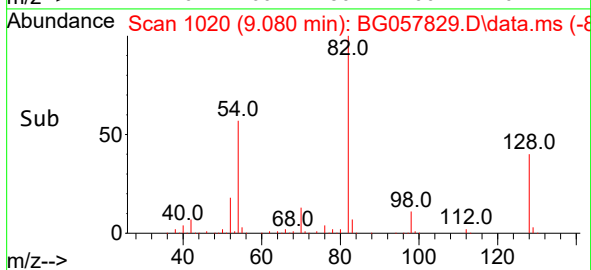
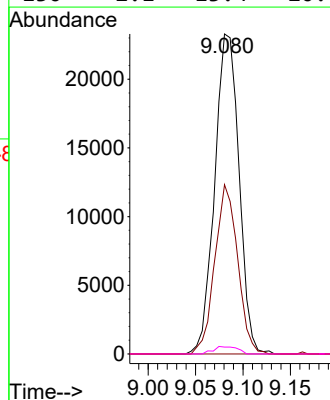
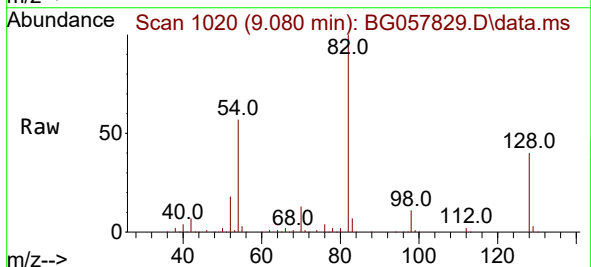
Instrument :
BNA_G
ClientSampleId :
WC-14A

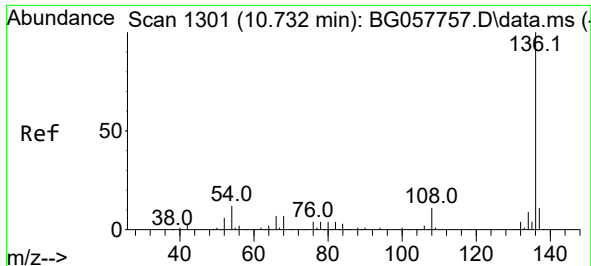
Tgt Ion: 99 Resp: 549749
Ion Ratio Lower Upper
99 100
42 18.5 16.4 24.6
71 31.5 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.655 ng
RT: 9.080 min Scan# 1020
Delta R.T. 0.346 min
Lab File: BG057829.D
Acq: 23 Jun 2023 5:18

Tgt Ion: 70 Resp: 41606
Ion Ratio Lower Upper
70 100
42 52.9 54.2 81.2#
101 0.0 7.4 11.0#
130 2.1 13.4 20.0#

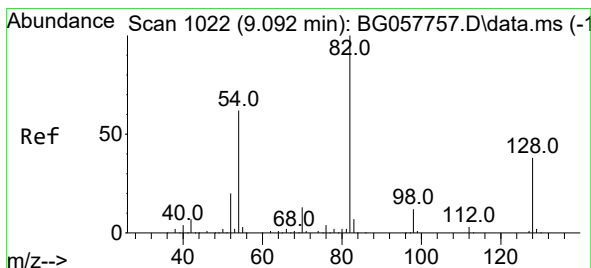
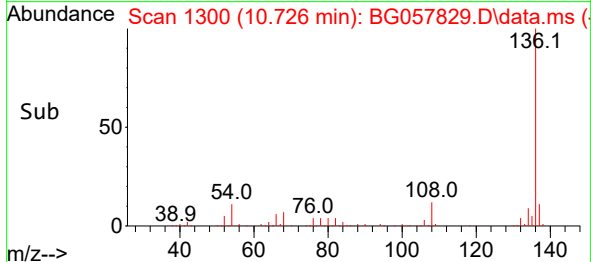
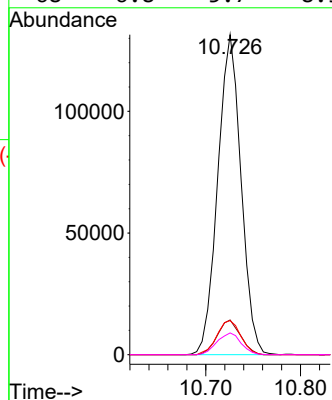
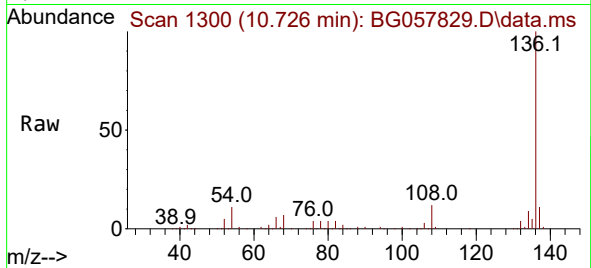




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG057829.D
Acq: 23 Jun 2023 5:18

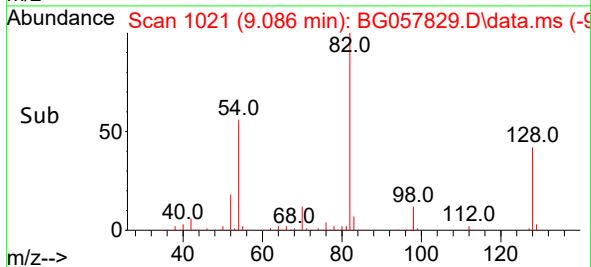
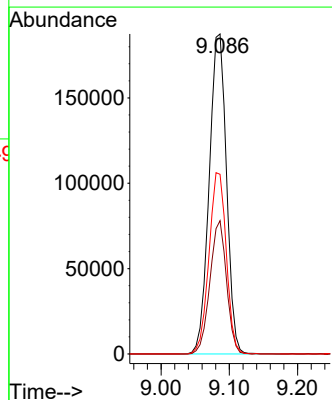
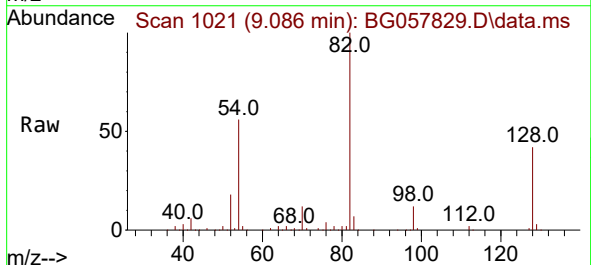
Instrument :
BNA_G
ClientSampleId :
WC-14A

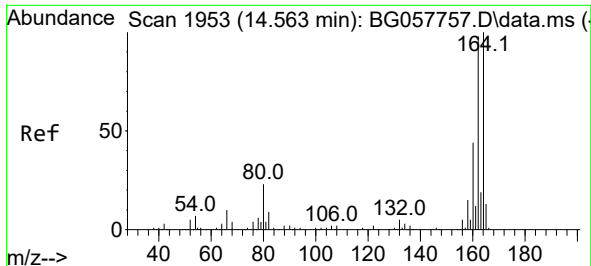
Tgt Ion:	136	Resp:	224291
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	10.7	9.5	14.3
68	6.8	5.7	8.5



#23
Nitrobenzene-d5
Concen: 75.635 ng
RT: 9.086 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG057829.D
Acq: 23 Jun 2023 5:18

Tgt Ion:	82	Resp:	330534
Ion Ratio	Lower	Upper	
82	100		
128	41.6	30.7	46.1
54	56.1	49.6	74.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.556 min Scan# 1952

Delta R.T. -0.006 min

Lab File: BG057829.D

Acq: 23 Jun 2023 5:18

Instrument :

BNA_G

ClientSampleId :

WC-14A

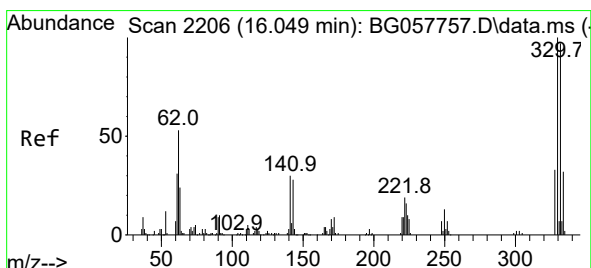
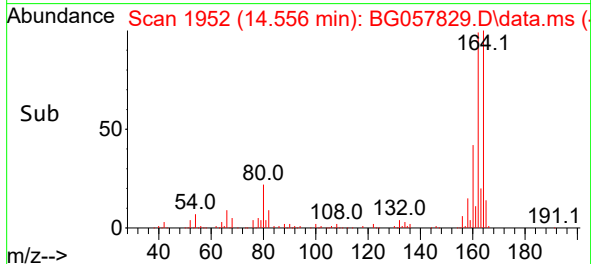
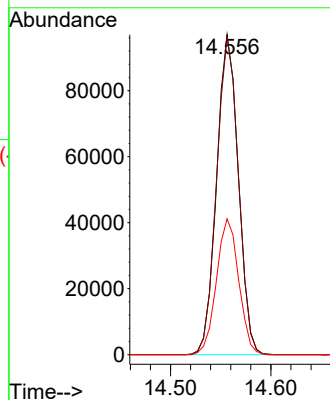
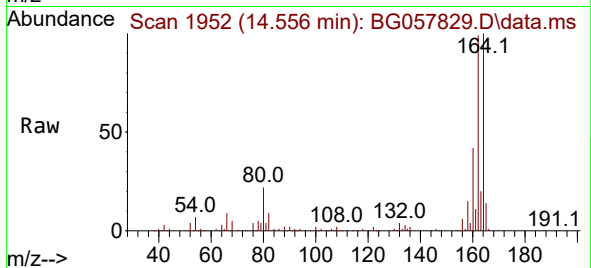
Tgt Ion:164 Resp: 145519

Ion Ratio Lower Upper

164 100

162 99.2 78.3 117.5

160 42.5 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 114.604 ng

RT: 16.043 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BG057829.D

Acq: 23 Jun 2023 5:18

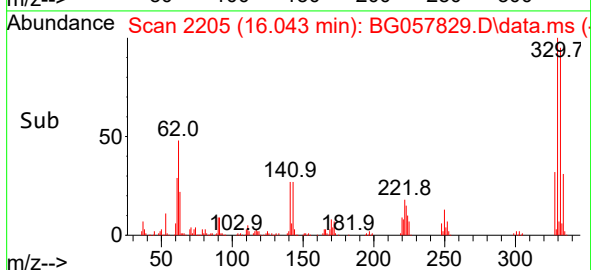
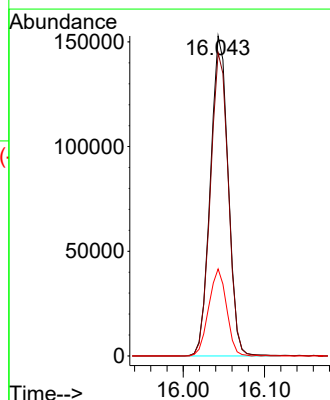
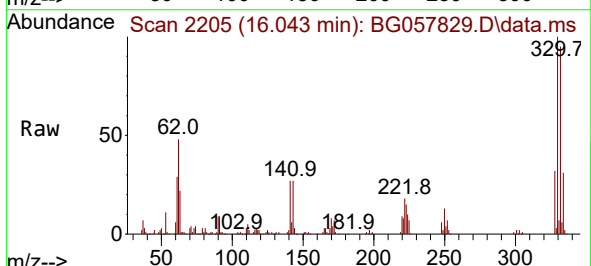
Tgt Ion:330 Resp: 232310

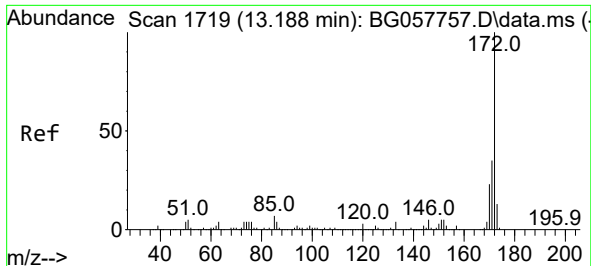
Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

141 27.2 24.7 37.1

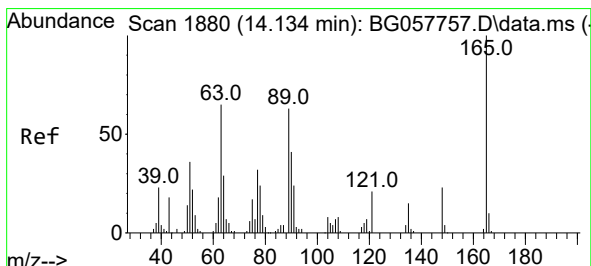
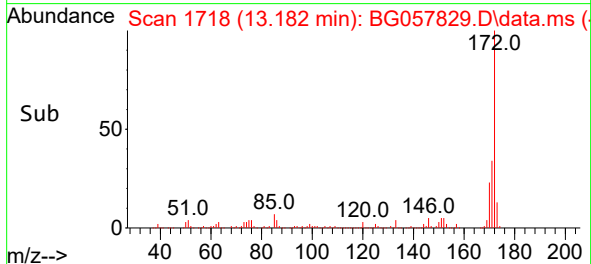
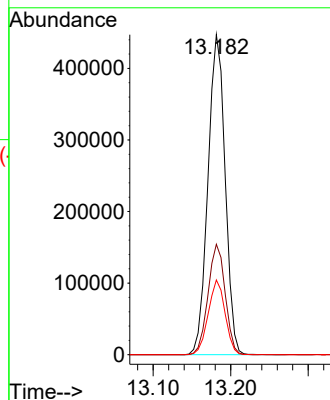
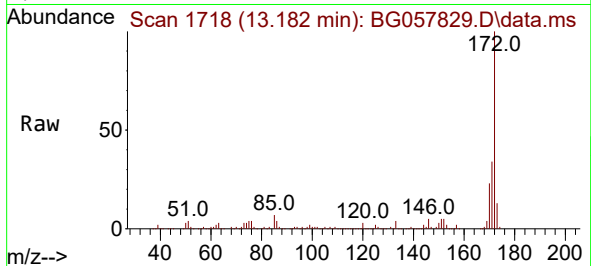




#45
2-Fluorobiphenyl
Concen: 71.646 ng
RT: 13.182 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG057829.D
Acq: 23 Jun 2023 5:18

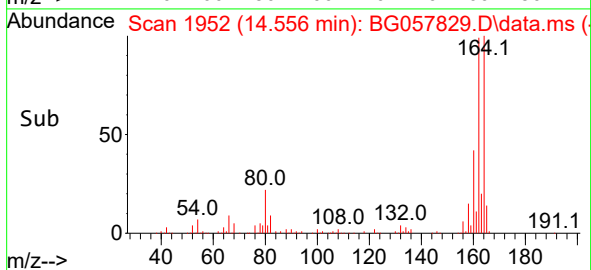
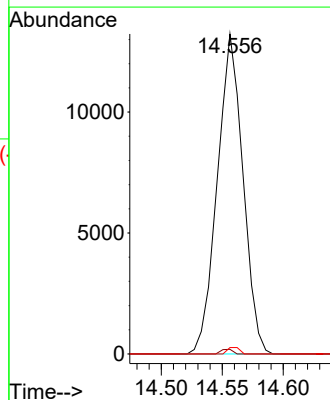
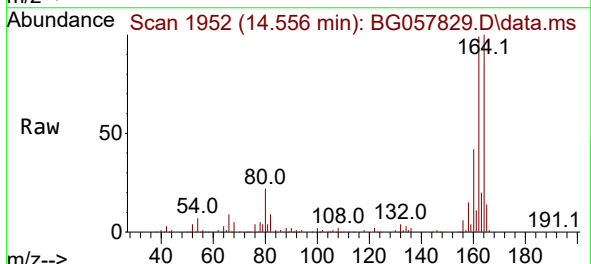
Instrument :
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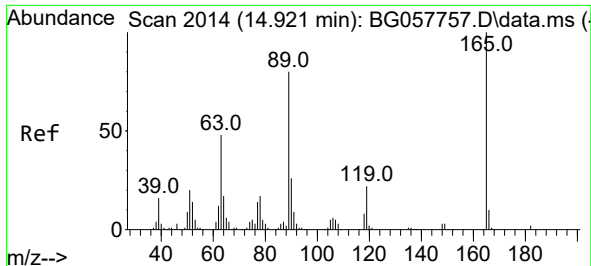
Tgt Ion:172 Resp: 687380
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.419 ng
RT: 14.556 min Scan# 1952
Delta R.T. 0.422 min
Lab File: BG057829.D
Acq: 23 Jun 2023 5:18

Tgt Ion:165 Resp: 19386
Ion Ratio Lower Upper
165 100
63 1.5 52.8 79.2#
89 2.0 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.946 ng

RT: 14.556 min Scan# 1952

Delta R.T. -0.365 min

Lab File: BG057829.D

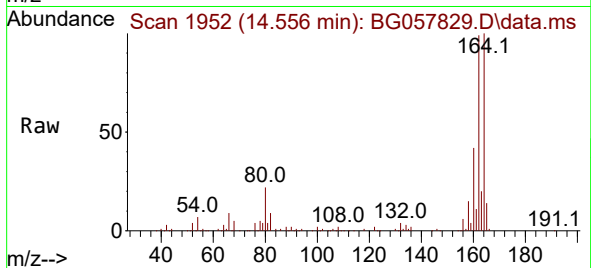
Acq: 23 Jun 2023 5:18

Instrument :

BNA_G

ClientSampleId :

WC-14A



Tgt Ion:165 Resp: 19386

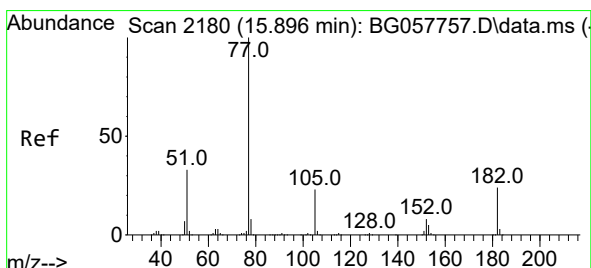
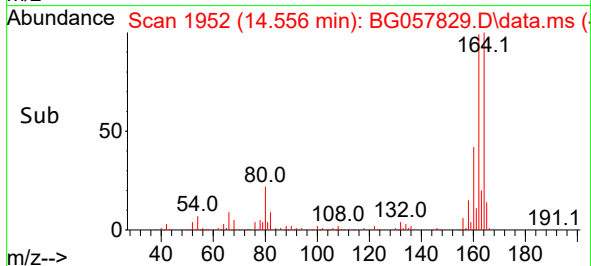
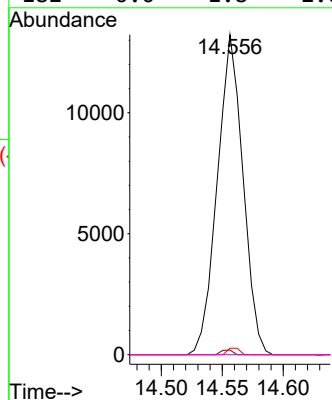
Ion Ratio Lower Upper

165 100

63 1.5 38.6 58.0#

89 2.0 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 3.943 ng

RT: 15.914 min Scan# 2183

Delta R.T. 0.017 min

Lab File: BG057829.D

Acq: 23 Jun 2023 5:18

Tgt Ion: 77 Resp: 46247

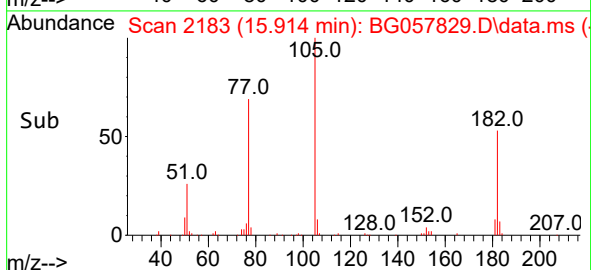
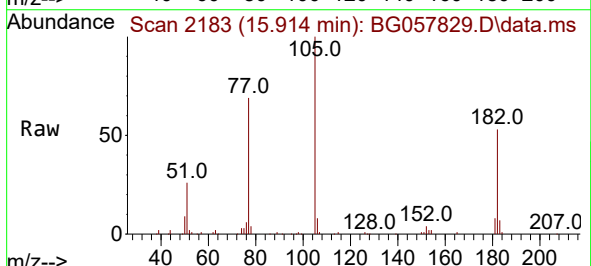
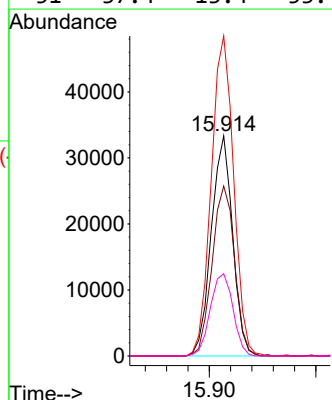
Ion Ratio Lower Upper

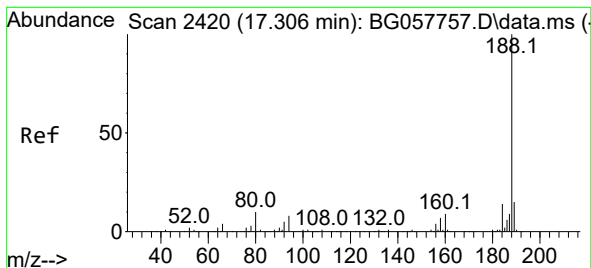
77 100

182 77.2 4.1 44.1#

105 145.4 3.3 43.3#

51 37.4 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.300 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG057829.D

Acq: 23 Jun 2023 5:18

Instrument :

BNA_G

ClientSampleId :

WC-14A

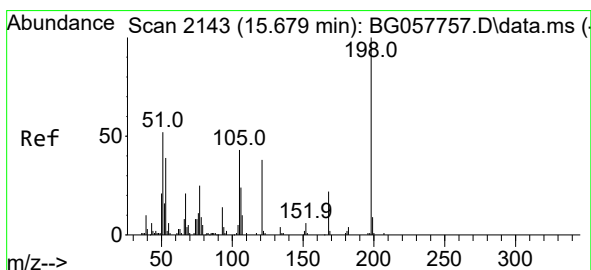
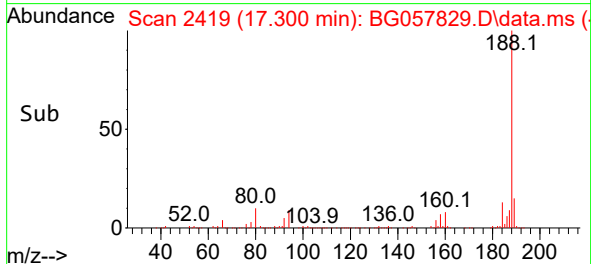
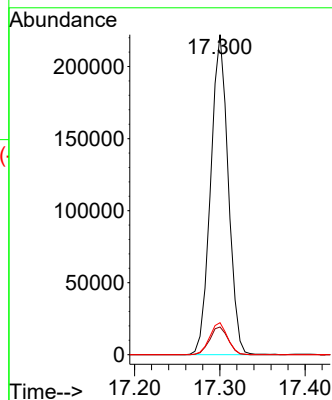
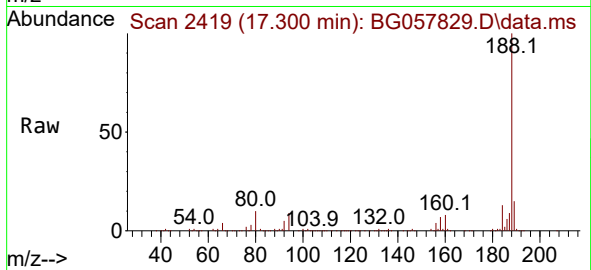
Tgt Ion:188 Resp: 318110

Ion Ratio Lower Upper

188 100

94 8.7 6.6 9.8

80 10.0 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.654 ng

RT: 16.043 min Scan# 2205

Delta R.T. 0.364 min

Lab File: BG057829.D

Acq: 23 Jun 2023 5:18

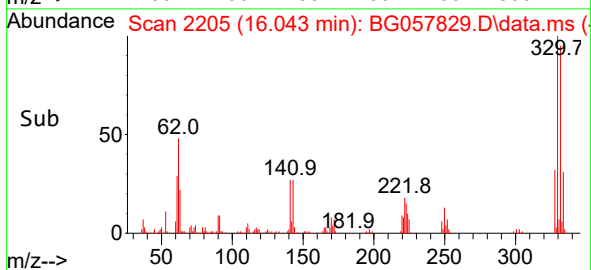
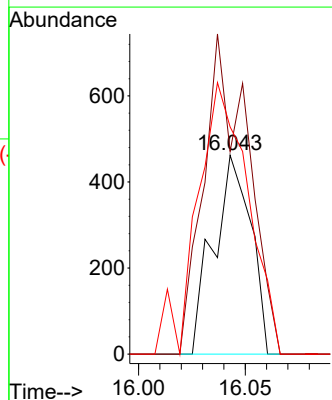
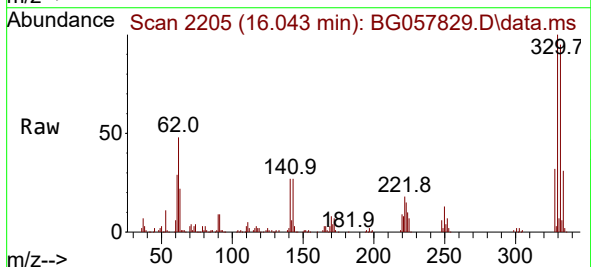
Tgt Ion:198 Resp: 563

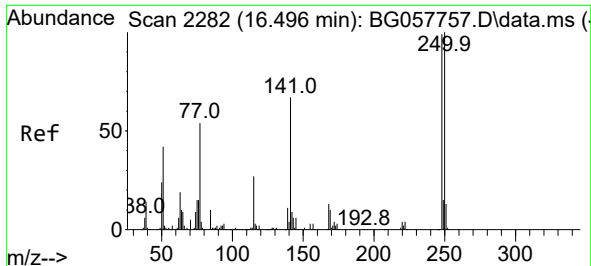
Ion Ratio Lower Upper

198 100

51 101.9 36.6 76.6#

105 114.3 24.3 64.3#

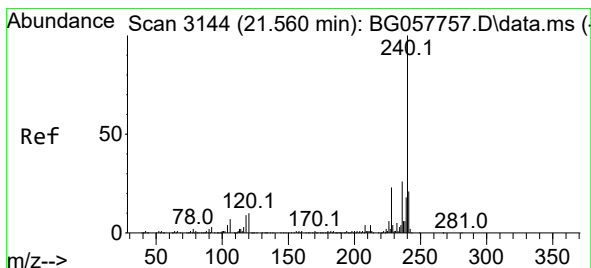
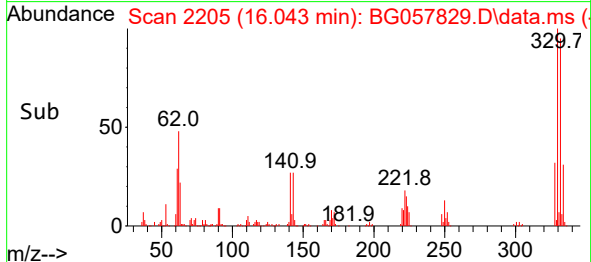
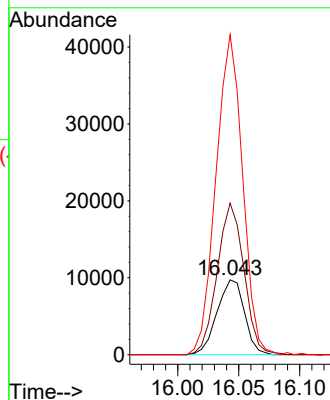
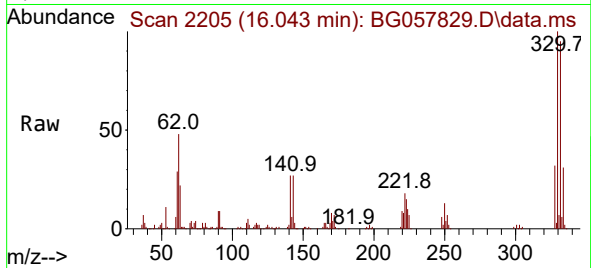




#67
4-Bromophenyl-phenylether
Concen: 4.505 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG057829.D
Acq: 23 Jun 2023 5:18

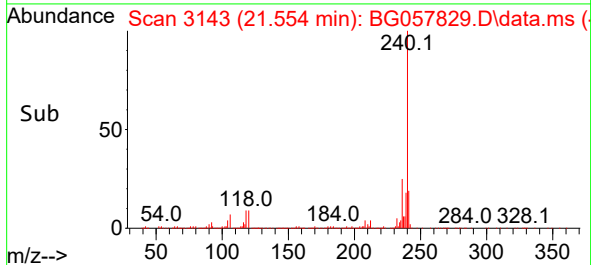
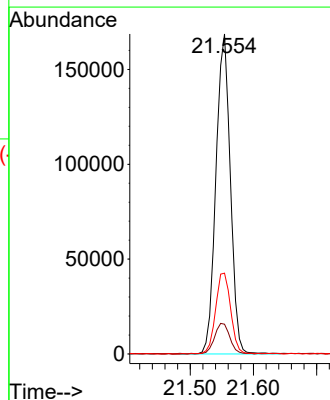
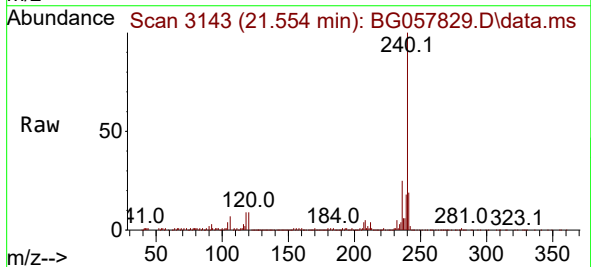
Instrument :
BNA_G
ClientSampleId :
WC-14A

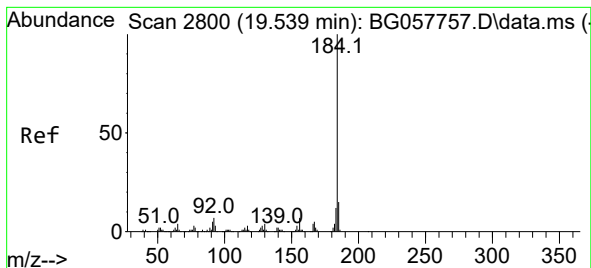
Tgt Ion:248 Resp: 15197
Ion Ratio Lower Upper
248 100
250 202.6 81.1 121.7#
141 427.6 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.554 min Scan# 3143
Delta R.T. -0.006 min
Lab File: BG057829.D
Acq: 23 Jun 2023 5:18

Tgt Ion:240 Resp: 266848
Ion Ratio Lower Upper
240 100
120 9.3 8.1 12.1
236 25.2 20.6 30.8





#77

Benzidine

Concen: 2.244 ng

RT: 19.915 min Scan# 2864

Delta R.T. 0.376 min

Lab File: BG057829.D

Acq: 23 Jun 2023 5:18

Instrument :

BNA_G

ClientSampleId :

WC-14A

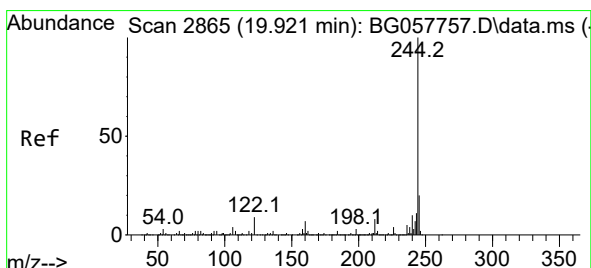
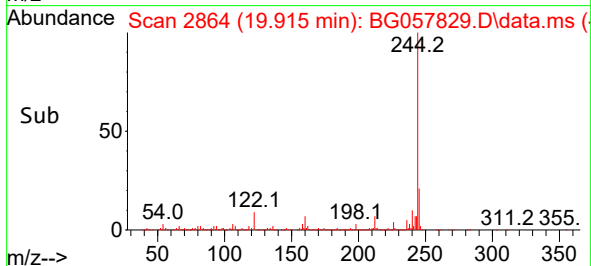
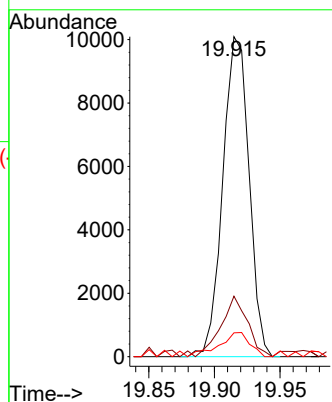
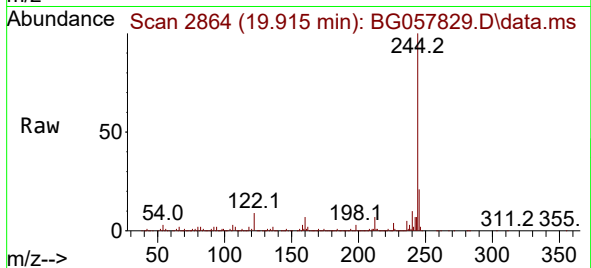
Tgt Ion:184 Resp: 14038

Ion Ratio Lower Upper

184 100

185 18.9 12.0 18.0#

183 7.5 9.4 14.0#



#79

Terphenyl-d14

Concen: 73.247 ng

RT: 19.915 min Scan# 2864

Delta R.T. -0.006 min

Lab File: BG057829.D

Acq: 23 Jun 2023 5:18

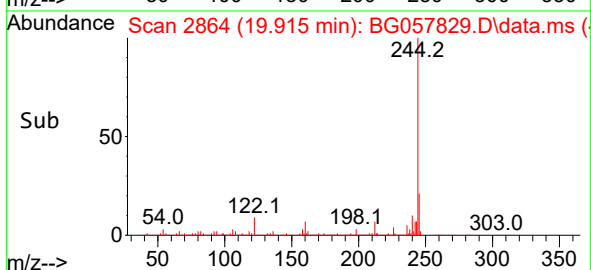
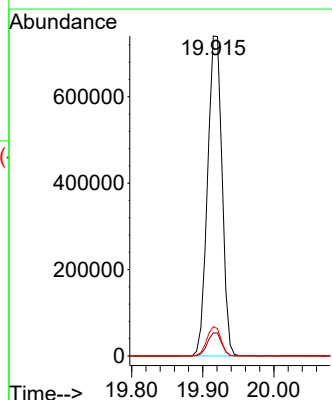
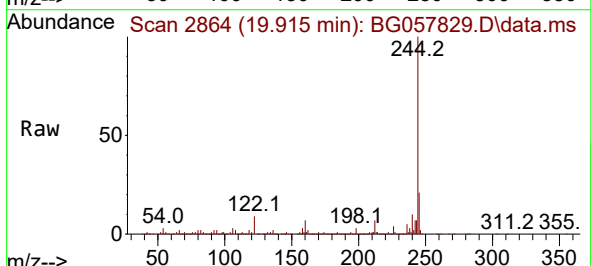
Tgt Ion:244 Resp: 1048226

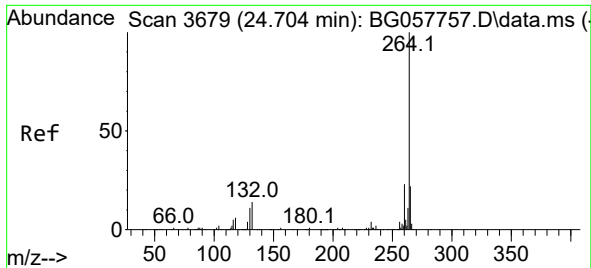
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 9.2 7.6 11.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.703 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: BG057829.D
 Acq: 23 Jun 2023 5:18

Instrument :
 BNA_G
 ClientSampleId :
 WC-14A

Tgt Ion:264 Resp: 334715
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.5 27.7
 265 21.7 17.4 26.2

