

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057841.D
 Acq On : 23 Jun 2023 14:03
 Operator : CG/JU
 Sample : 03291-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-3

Quant Time: Jun 23 14:41:36 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)

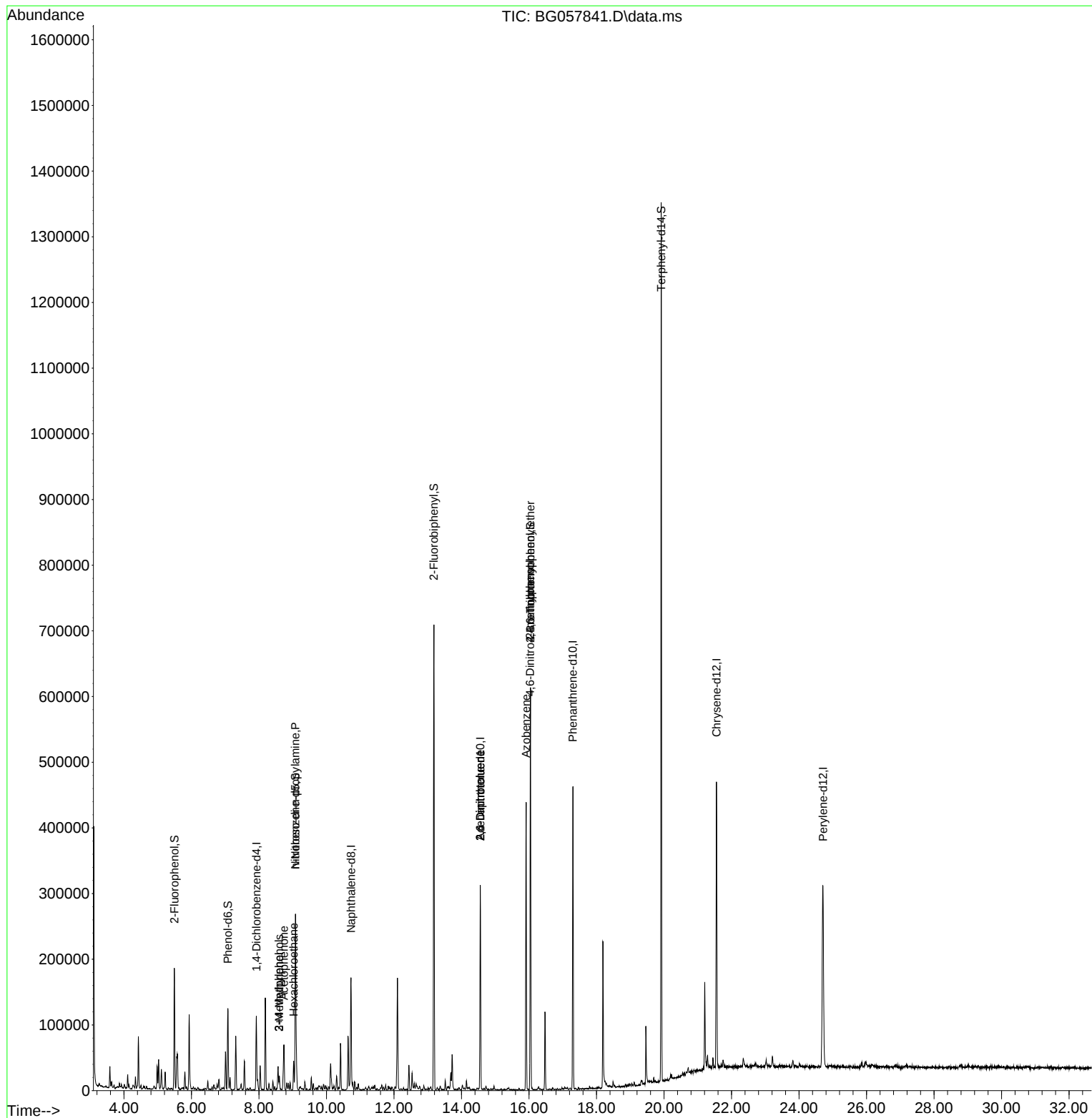
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	30765	20.000	ng	0.00
21) Naphthalene-d8	10.726	136	139841	20.000	ng	0.00
39) Acenaphthene-d10	14.556	164	110982	20.000	ng	0.00
64) Phenanthrene-d10	17.300	188	284003	20.000	ng	0.00
76) Chrysene-d12	21.554	240	246805	20.000	ng	0.00
86) Perylene-d12	24.709	264	303031	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	76092	38.136	ng	0.00
7) Phenol-d6	7.077	99	69567	22.850	ng	-0.01
23) Nitrobenzene-d5	9.080	82	157619	57.848	ng	-0.01
42) 2,4,6-Tribromophenol	16.043	330	129308	83.642	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	377104	51.537	ng	0.00
79) Terphenyl-d14	19.915	244	691472	52.242	ng	0.00
Target Compounds						
						Qvalue
17) 2-Methylphenol	8.599	107	6200	2.812	ng	# 22
18) Hexachloroethane	9.028	117	4088	5.477	ng	# 1
19) n-Nitroso-di-n-propyla...	9.080	70	19649	9.257	ng	# 78
20) 3+4-Methylphenols	8.599	107	6200	2.036	ng	# 12
22) Acetophenone	8.740	105	41353	10.545	ng	# 90
51) 2,6-Dinitrotoluene	14.556	165	14175	9.031	ng	# 19
57) 2,4-Dinitrotoluene	14.556	165	14175	6.659	ng	# 19
63) Azobenzene	15.914	77	120088	13.425	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.037	198	224	5.464	ng	# 1
67) 4-Bromophenyl-phenylether	16.043	248	8162	2.710	ng	# 1

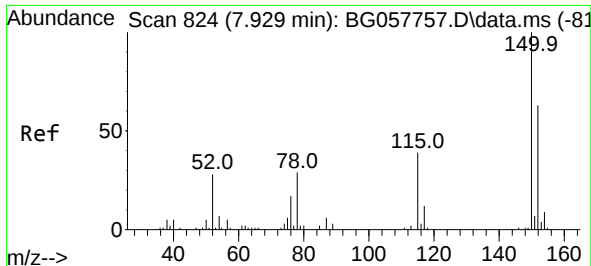
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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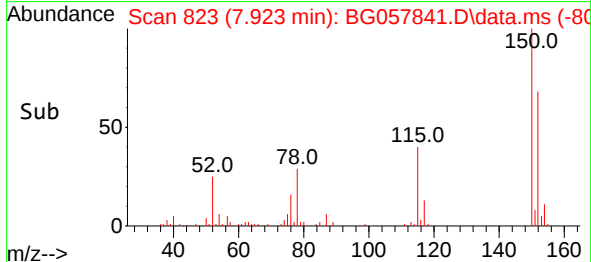
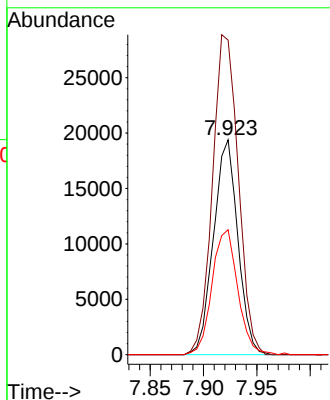
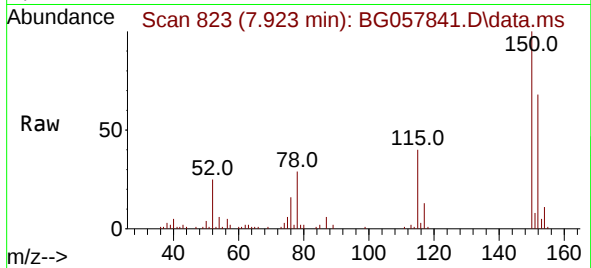




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

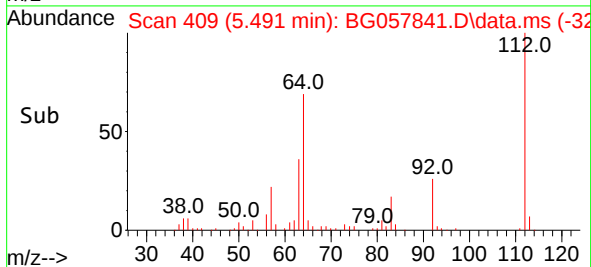
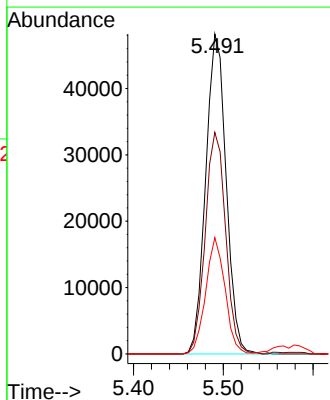
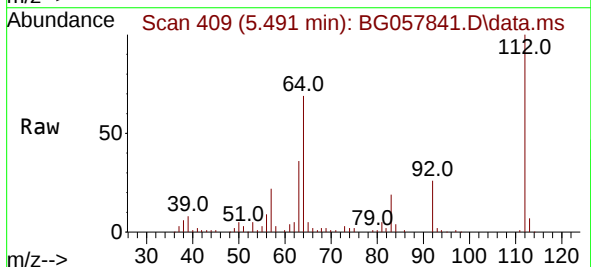
Instrument :
BNA_G
ClientSampleId :
MW-3

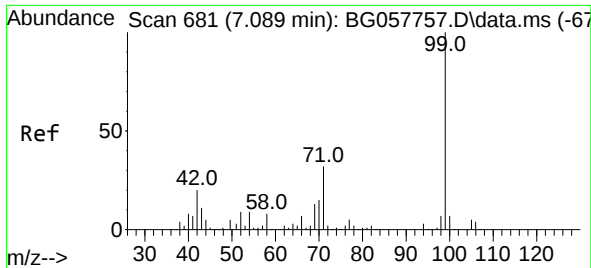
Tgt Ion:152 Resp: 30765
Ion Ratio Lower Upper
152 100
150 146.4 126.6 189.8
115 58.2 48.9 73.3



#5
2-Fluorophenol
Concen: 38.136 ng
RT: 5.491 min Scan# 409
Delta R.T. -0.006 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

Tgt Ion:112 Resp: 76092
Ion Ratio Lower Upper
112 100
64 69.3 62.1 93.1
63 36.3 31.5 47.3

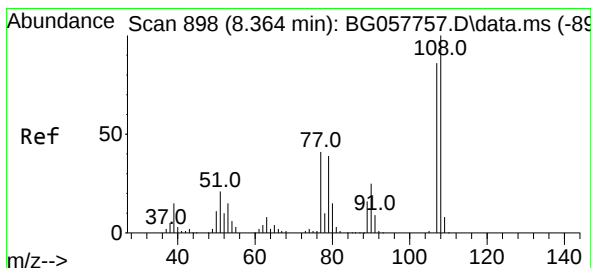
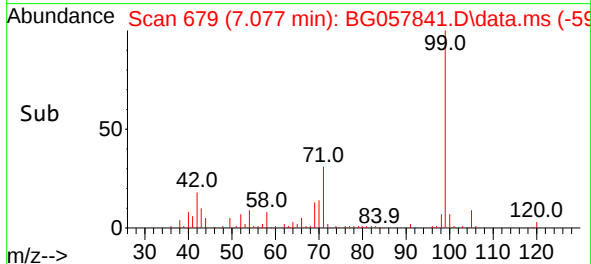
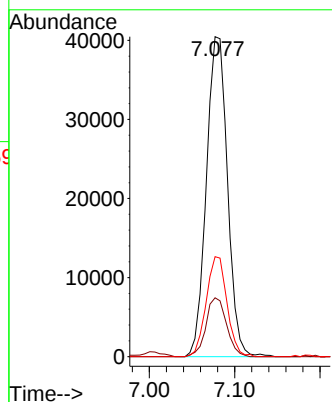
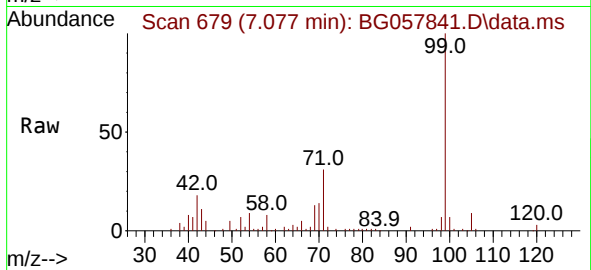




#7
Phenol-d6
Concen: 22.850 ng
RT: 7.077 min Scan# 61
Delta R.T. -0.012 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

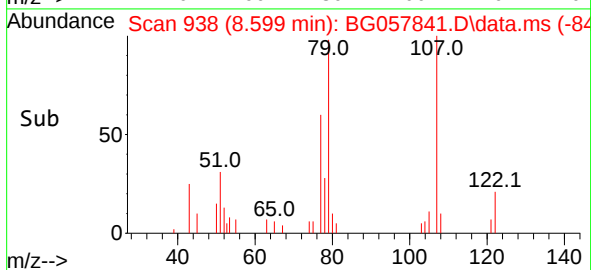
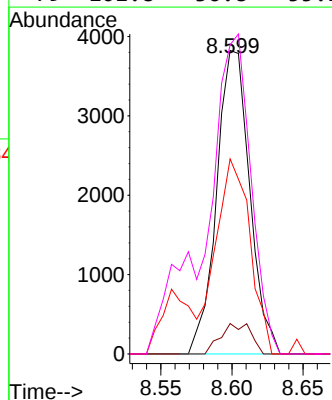
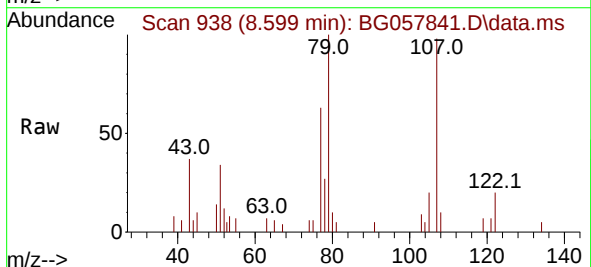
Instrument :
BNA_G
ClientSampleId :
MW-3

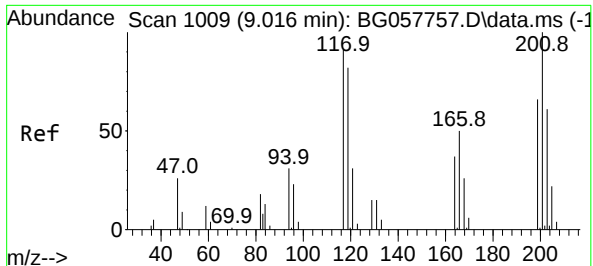
Tgt Ion: 99 Resp: 69567
Ion Ratio Lower Upper
99 100
42 18.4 16.4 24.6
71 31.3 25.8 38.6



#17
2-Methylphenol
Concen: 2.812 ng
RT: 8.599 min Scan# 938
Delta R.T. 0.235 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

Tgt Ion:107 Resp: 6200
Ion Ratio Lower Upper
107 100
108 10.0 93.2 139.8#
77 64.3 37.8 56.8#
79 101.8 36.8 55.2#

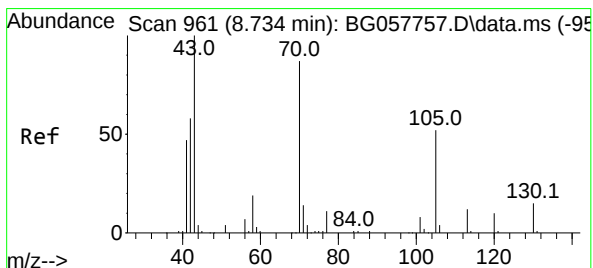
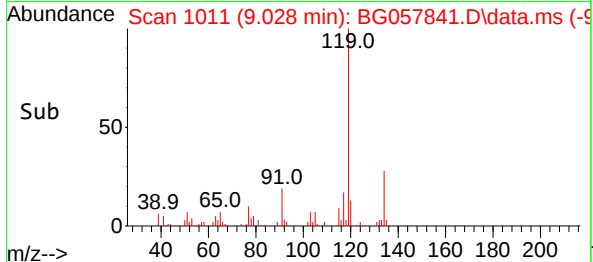
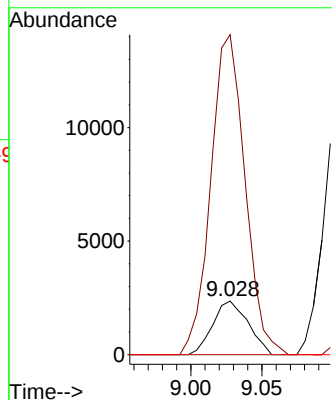
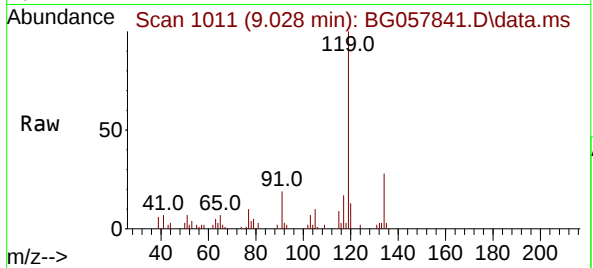




#18
Hexachloroethane
Concen: 5.477 ng
RT: 9.028 min Scan# 1011
Delta R.T. 0.011 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

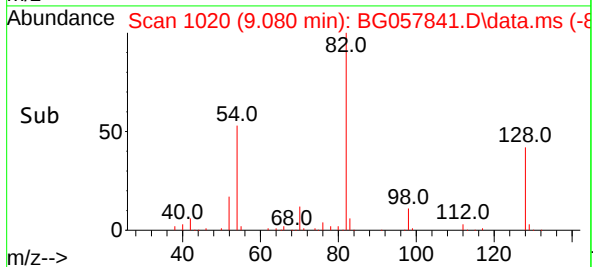
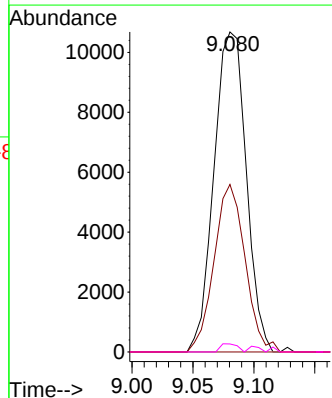
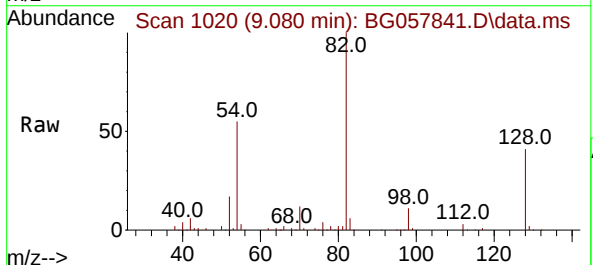
Instrument :
BNA_G
ClientSampleId :
MW-3

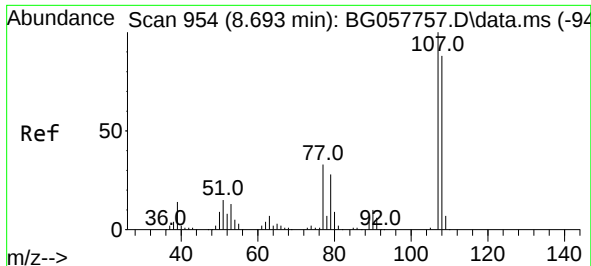
Tgt Ion:117 Resp: 4088
Ion Ratio Lower Upper
117 100
119 596.8 72.3 108.5#
201 0.0 87.8 131.8#



#19
n-Nitroso-di-n-propylamine
Concen: 9.257 ng
RT: 9.080 min Scan# 1020
Delta R.T. 0.346 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

Tgt Ion: 70 Resp: 19649
Ion Ratio Lower Upper
70 100
42 52.3 54.2 81.2#
101 0.0 7.4 11.0#
130 2.5 13.4 20.0#

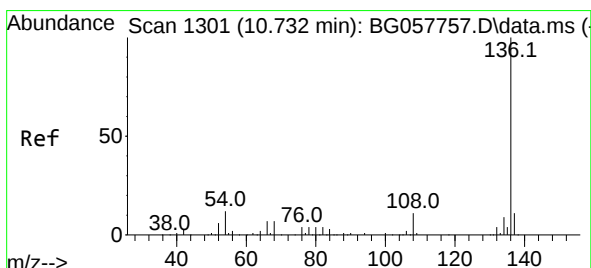
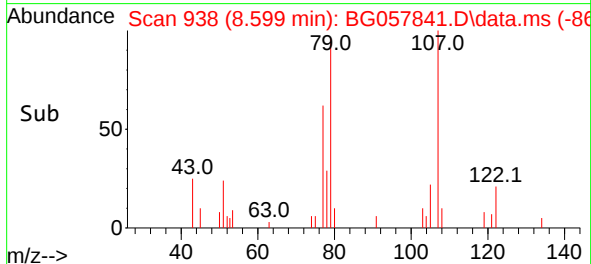
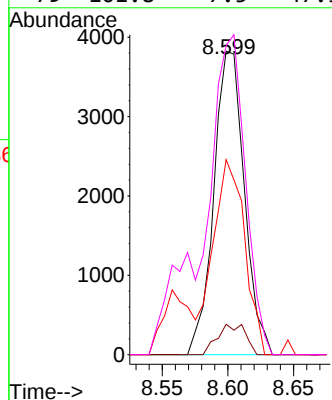
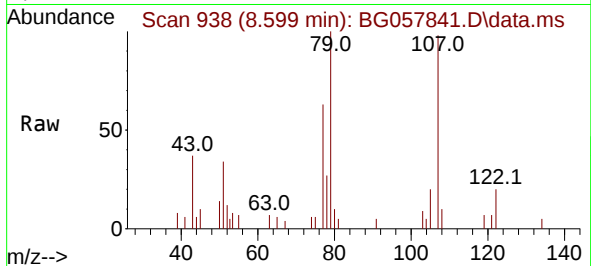




#20
3+4-Methylphenols
Concen: 2.036 ng
RT: 8.599 min Scan# 91
Delta R.T. -0.094 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

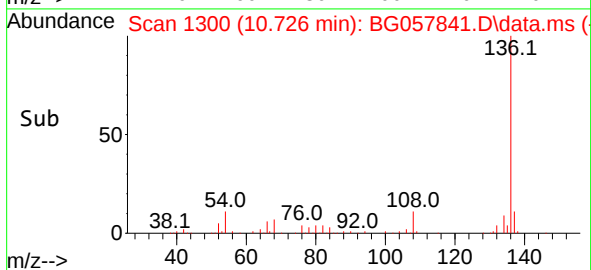
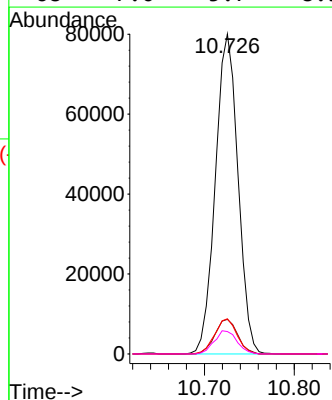
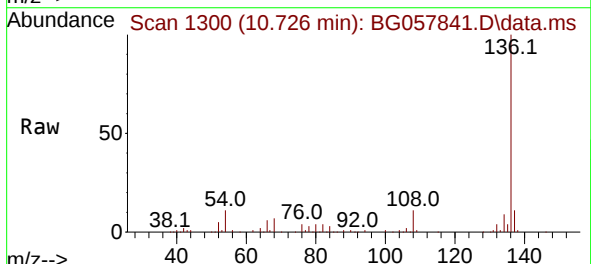
Instrument :
BNA_G
ClientSampleId :
MW-3

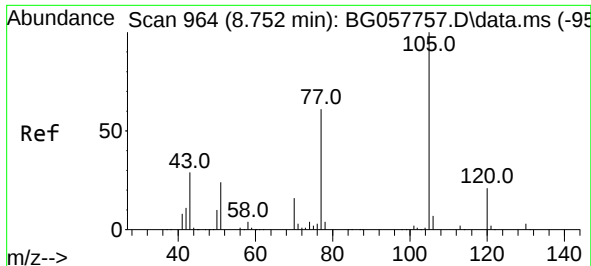
Tgt Ion:107 Resp: 6200
Ion Ratio Lower Upper
107 100
108 10.0 67.7 107.7#
77 64.3 13.3 53.3#
79 101.8 7.5 47.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

Tgt Ion:136 Resp: 139841
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 11.0 9.5 14.3
68 7.0 5.7 8.5





#22

Acetophenone

Concen: 10.545 ng

RT: 8.740 min Scan# 9

Delta R.T. -0.012 min

Lab File: BG057841.D

Acq: 23 Jun 2023 14:03

Instrument :

BNA_G

ClientSampleId :

MW-3

Tgt Ion:105 Resp: 41353

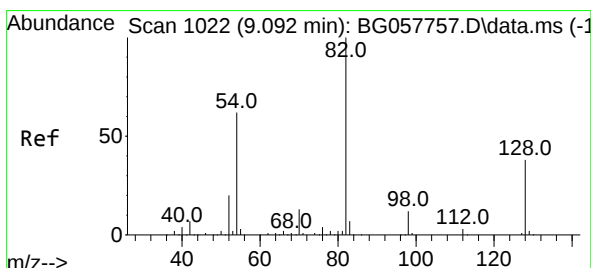
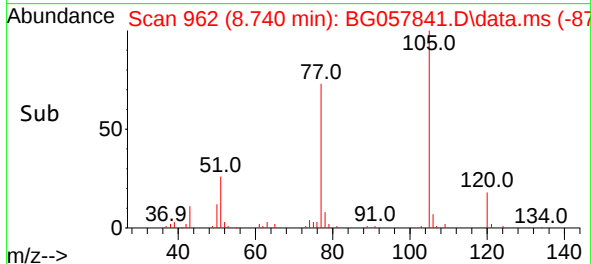
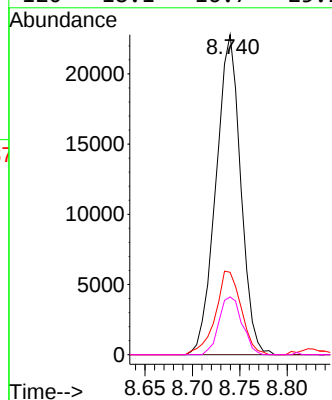
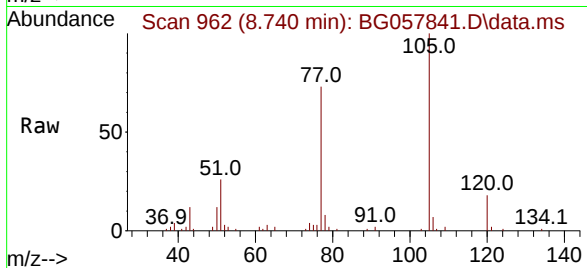
Ion Ratio Lower Upper

105 100

71 0.0 2.4 3.6#

51 25.8 25.9 38.9#

120 18.1 16.7 25.1



#23

Nitrobenzene-d5

Concen: 57.848 ng

RT: 9.080 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BG057841.D

Acq: 23 Jun 2023 14:03

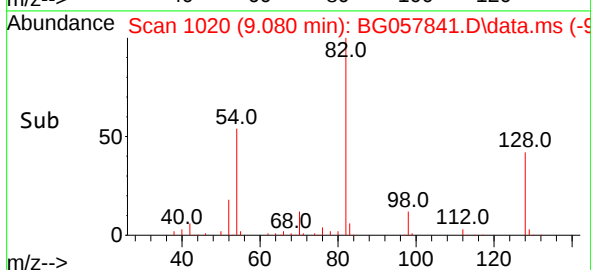
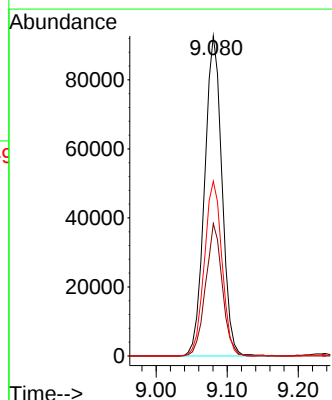
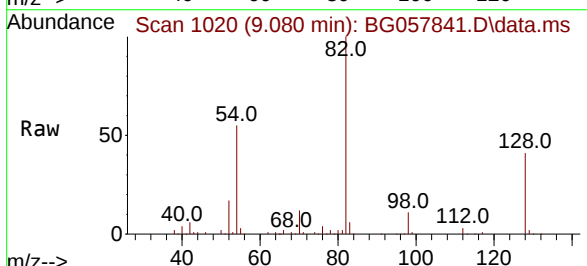
Tgt Ion: 82 Resp: 157619

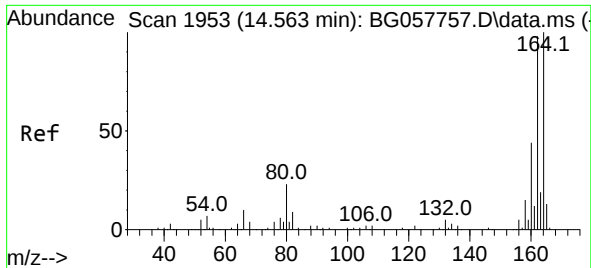
Ion Ratio Lower Upper

82 100

128 41.4 30.7 46.1

54 54.6 49.6 74.4

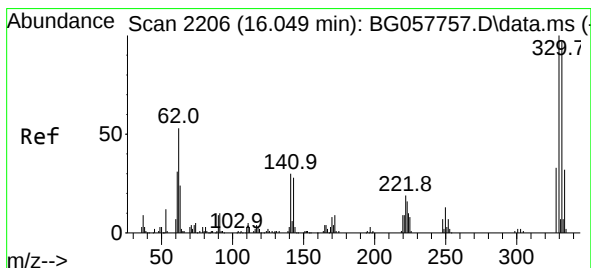
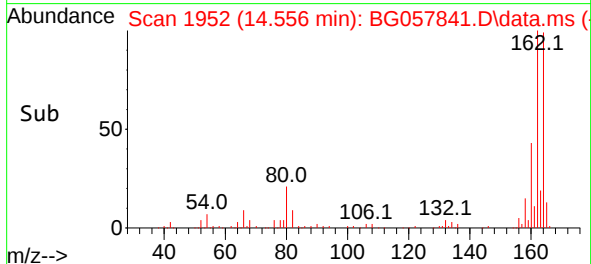
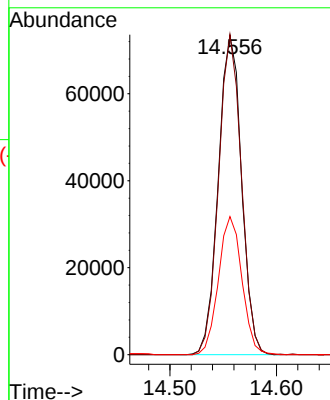
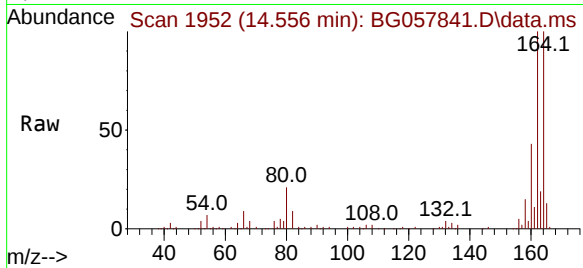




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

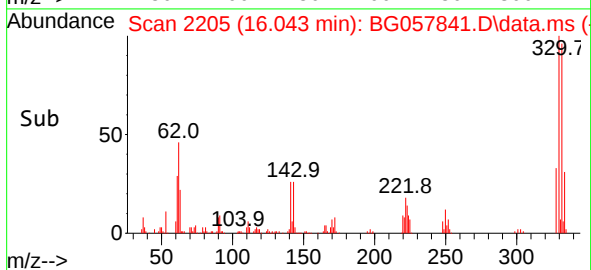
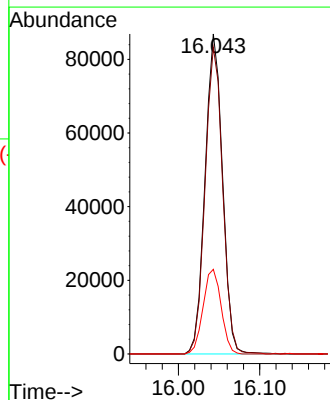
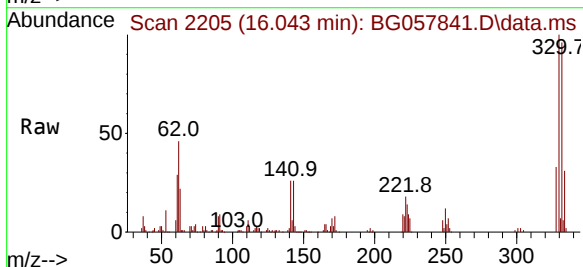
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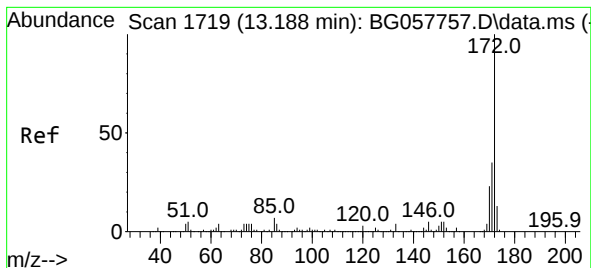
Tgt Ion:164 Resp: 110982
Ion Ratio Lower Upper
164 100
162 100.2 78.3 117.5
160 43.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 83.642 ng
RT: 16.043 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

Tgt Ion:330 Resp: 129308
Ion Ratio Lower Upper
330 100
332 96.4 76.6 115.0
141 27.4 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 51.537 ng

RT: 13.182 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG057841.D

Acq: 23 Jun 2023 14:03

Instrument :

BNA_G

ClientSampleId :

MW-3

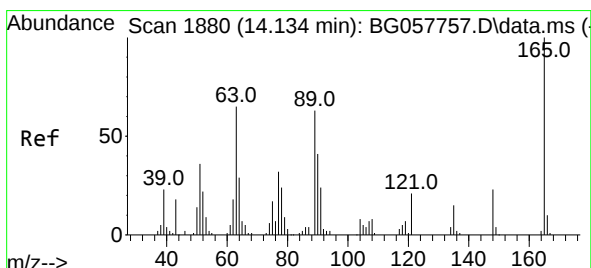
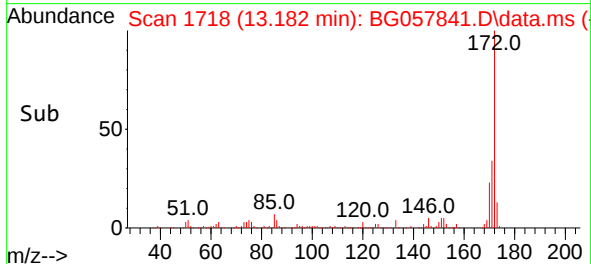
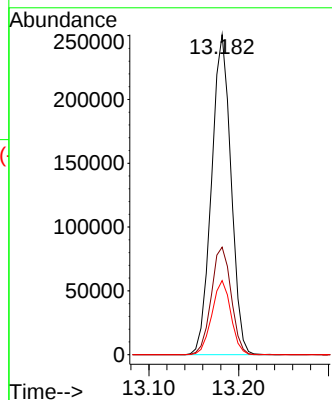
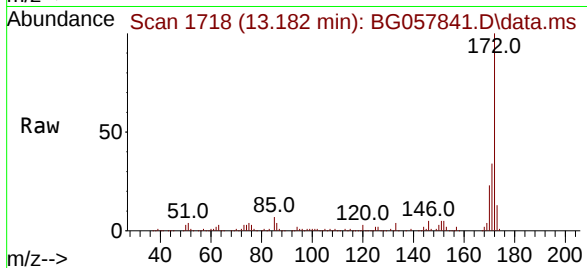
Tgt Ion:172 Resp: 377104

Ion Ratio Lower Upper

172 100

171 33.6 28.1 42.1

170 23.1 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.031 ng

RT: 14.556 min Scan# 1952

Delta R.T. 0.422 min

Lab File: BG057841.D

Acq: 23 Jun 2023 14:03

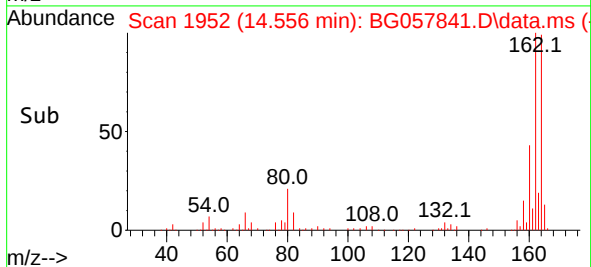
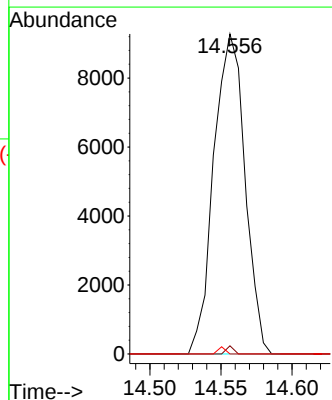
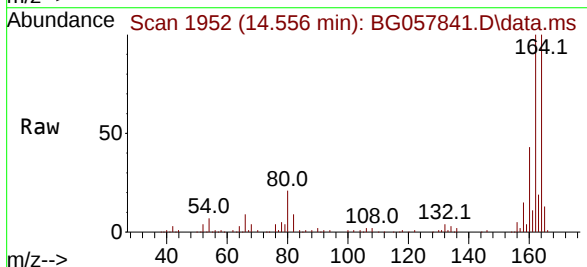
Tgt Ion:165 Resp: 14175

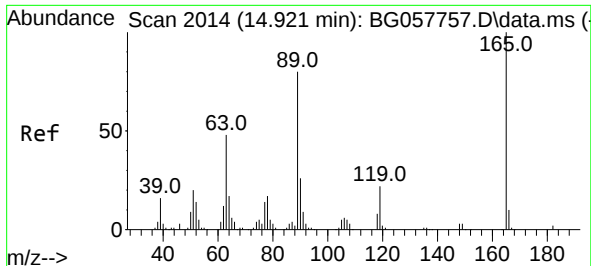
Ion Ratio Lower Upper

165 100

63 2.5 52.8 79.2#

89 0.0 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.659 ng

RT: 14.556 min Scan# 1952

Delta R.T. -0.365 min

Lab File: BG057841.D

Acq: 23 Jun 2023 14:03

Instrument :

BNA_G

ClientSampleId :

MW-3

Tgt Ion:165 Resp: 14175

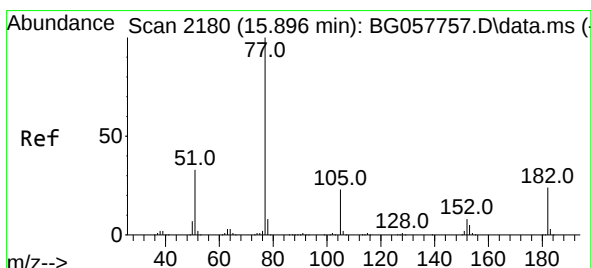
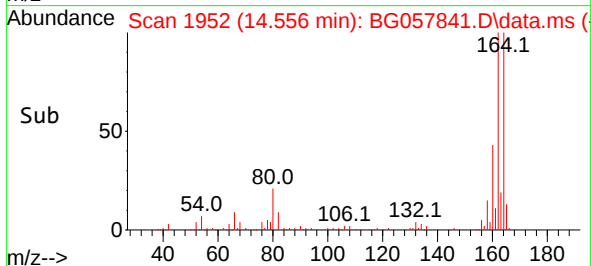
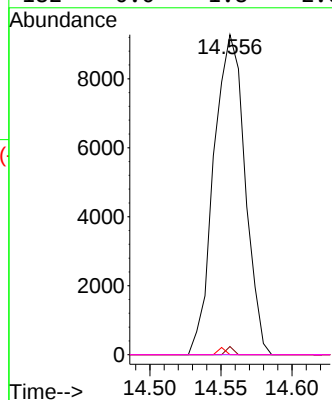
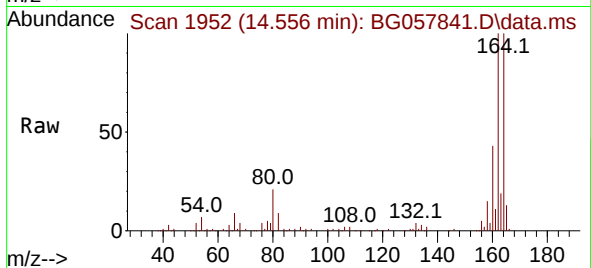
Ion Ratio Lower Upper

165 100

63 2.5 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 13.425 ng

RT: 15.914 min Scan# 2183

Delta R.T. 0.017 min

Lab File: BG057841.D

Acq: 23 Jun 2023 14:03

Tgt Ion: 77 Resp: 120088

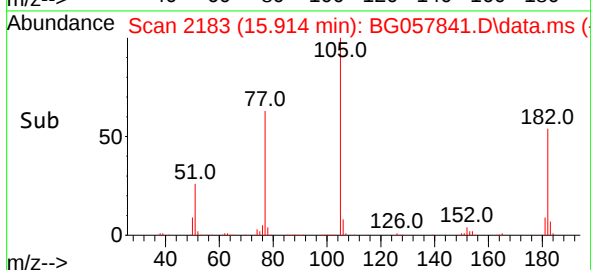
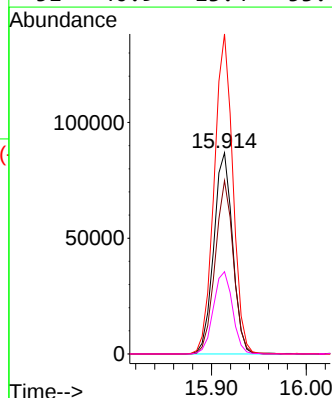
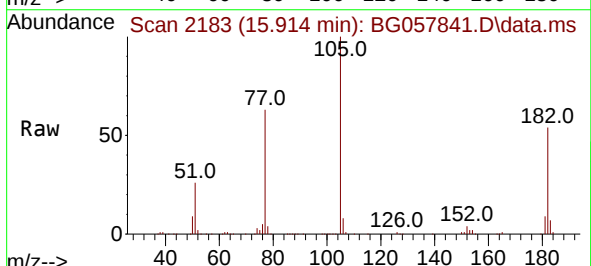
Ion Ratio Lower Upper

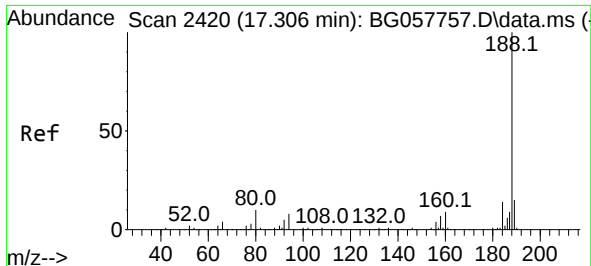
77 100

182 86.1 4.1 44.1#

105 159.1 3.3 43.3#

51 40.9 13.4 53.4

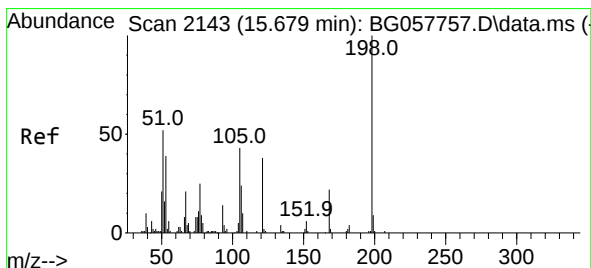
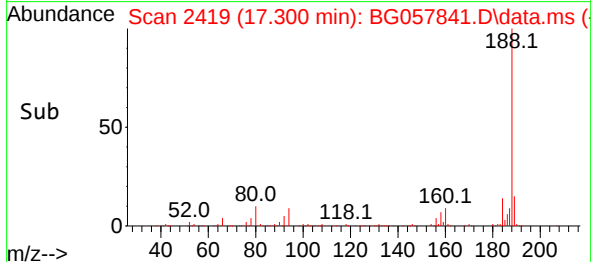
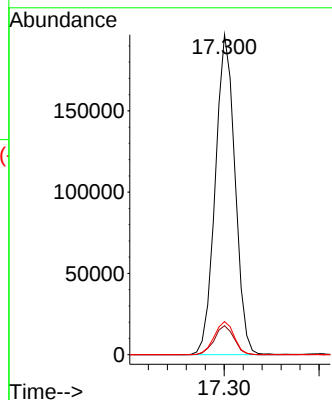
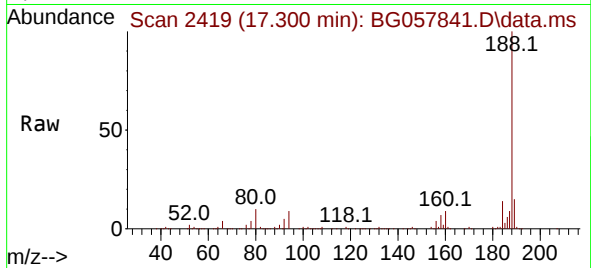




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.300 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

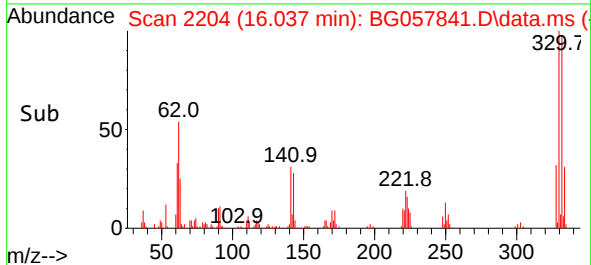
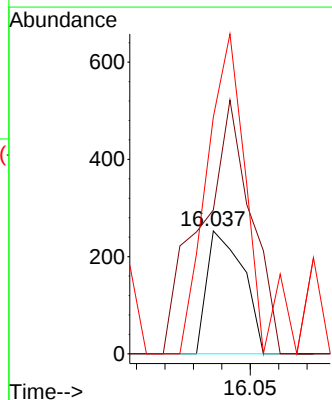
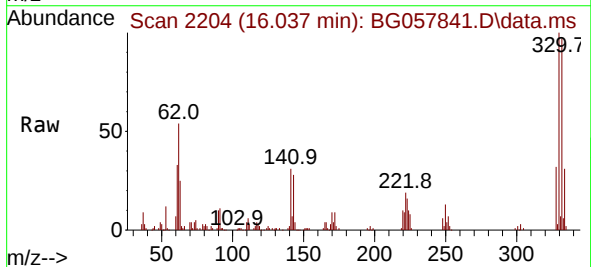
Instrument :
BNA_G
ClientSampleId :
MW-3

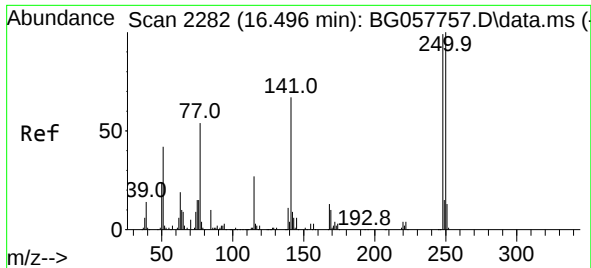
Tgt Ion:188 Resp: 284003
Ion Ratio Lower Upper
188 100
94 9.0 6.6 9.8
80 10.3 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.464 ng
RT: 16.037 min Scan# 2204
Delta R.T. 0.358 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

Tgt Ion:198 Resp: 224
Ion Ratio Lower Upper
198 100
51 117.0 36.6 76.6#
105 192.5 24.3 64.3#

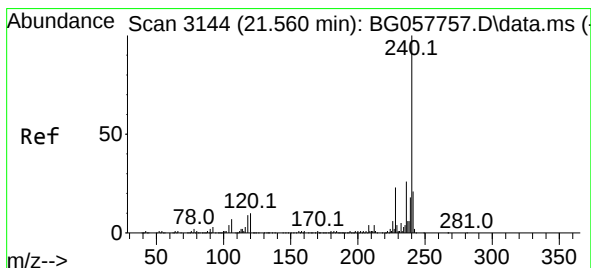
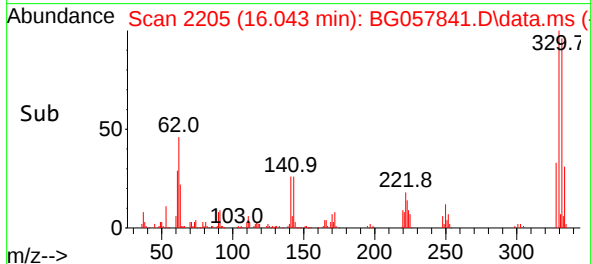
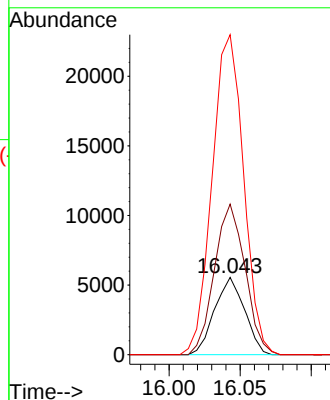
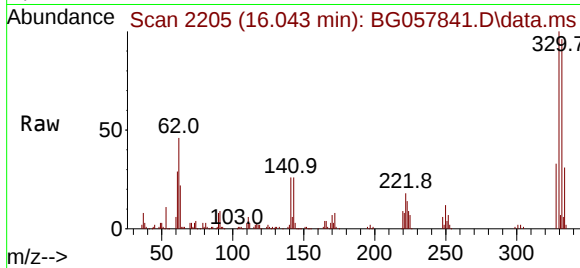




#67
4-Bromophenyl-phenylether
Concen: 2.710 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

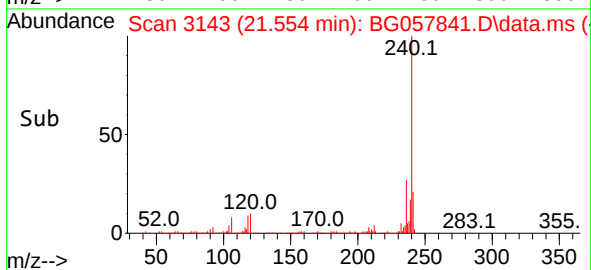
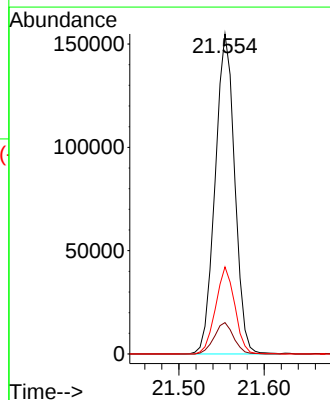
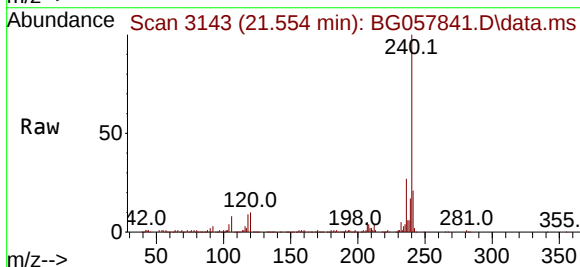
Instrument :
BNA_G
ClientSampleId :
MW-3

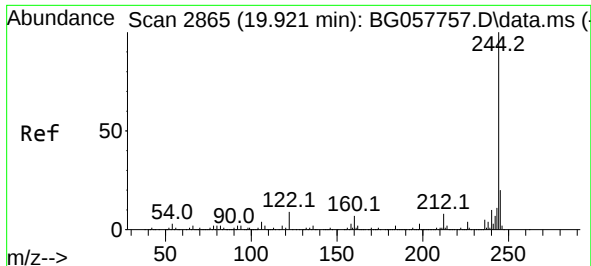
Tgt Ion:248 Resp: 8162
Ion Ratio Lower Upper
248 100
250 195.0 81.1 121.7#
141 414.3 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.554 min Scan# 3143
Delta R.T. -0.006 min
Lab File: BG057841.D
Acq: 23 Jun 2023 14:03

Tgt Ion:240 Resp: 246805
Ion Ratio Lower Upper
240 100
120 9.8 8.1 12.1
236 27.2 20.6 30.8

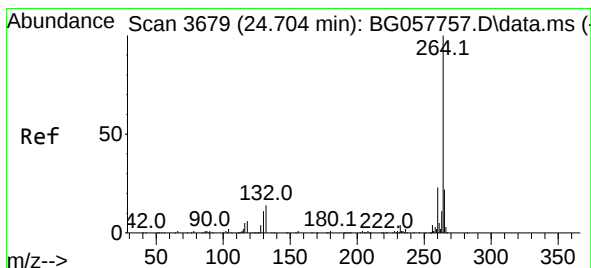
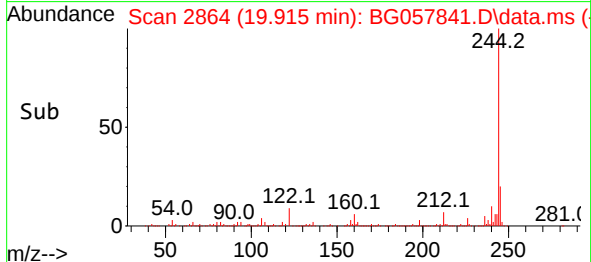
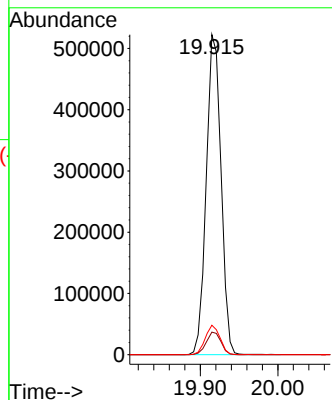
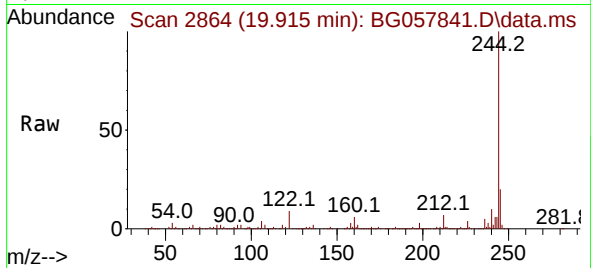




#79
 Terphenyl-d14
 Concen: 52.242 ng
 RT: 19.915 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG057841.D
 Acq: 23 Jun 2023 14:03

Instrument :
 BNA_G
 ClientSampleId :
 MW-3

Tgt Ion:244 Resp: 691472
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 9.2 7.6 11.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.709 min Scan# 3680
 Delta R.T. 0.006 min
 Lab File: BG057841.D
 Acq: 23 Jun 2023 14:03

Tgt Ion:264 Resp: 303031
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.5 27.7
 265 21.1 17.4 26.2

