

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
 Data File : BG057712.D
 Acq On : 14 Jun 2023 17:57
 Operator : CG/JU
 Sample : 03167-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GA

Quant Time: Jun 15 01:22:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 03:52:08 2023
 Response via : Initial Calibration

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

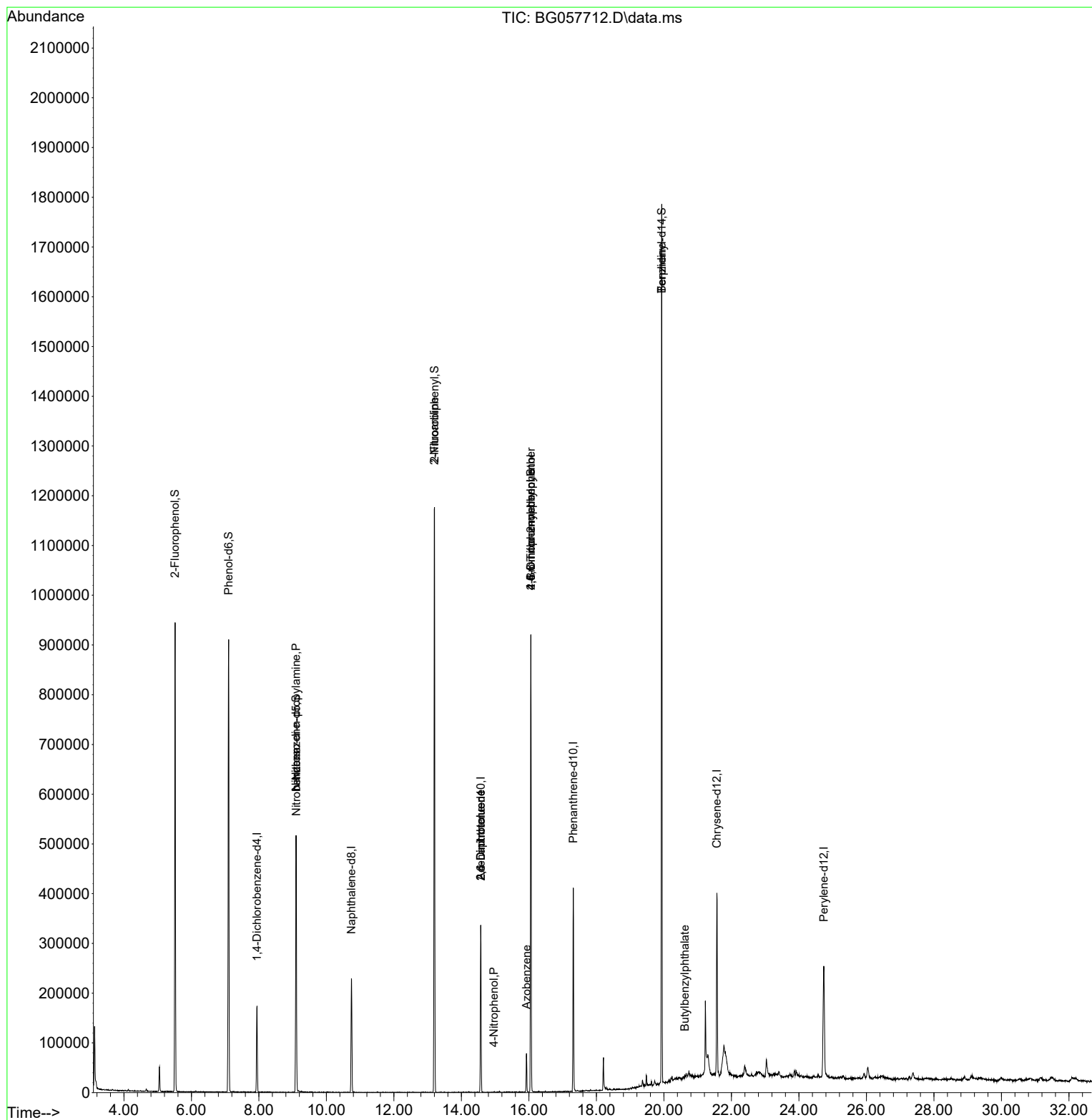
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.943	152	45631	20.000	ng	0.00
21) Naphthalene-d8	10.740	136	188874	20.000	ng	0.00
39) Acenaphthene-d10	14.571	164	117096	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	252120	20.000	ng	0.00
76) Chrysene-d12	21.568	240	204950	20.000	ng	0.00
86) Perylene-d12	24.735	264	248041	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.517	112	370391	132.170	ng	0.00
7) Phenol-d6	7.103	99	505032	117.309	ng	0.00
23) Nitrobenzene-d5	9.101	82	286495	92.602	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	171634	131.380	ng	0.00
45) 2-Fluorobiphenyl	13.202	172	631224	80.353	ng	0.00
79) Terphenyl-d14	19.935	244	872394	78.699	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.101	70	37327	11.991	ng	# 81
24) Nitrobenzene	9.107	77	1049	5.352	ng	# 39
48) 2-Nitroaniline	13.196	65	1115	4.949	ng	# 1
51) 2,6-Dinitrotoluene	14.571	165	14742	17.304	ng	# 13
56) 4-Nitrophenol	14.964	139	141	4.291	ng	# 1
57) 2,4-Dinitrotoluene	14.571	165	14742	14.378	ng	# 16
63) Azobenzene	15.928	77	22283	2.338	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.057	198	459	2.777	ng	# 1
67) 4-Bromophenyl-phenylether	16.057	248	11714	4.563	ng	# 1
77) Benzidine	19.935	184	12581	2.575	ng	# 90
80) Butylbenzylphthalate	20.622	149	147	4.132	ng	# 53

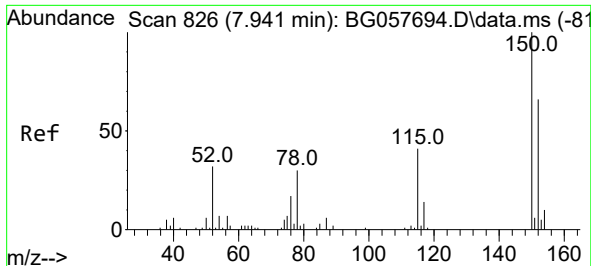
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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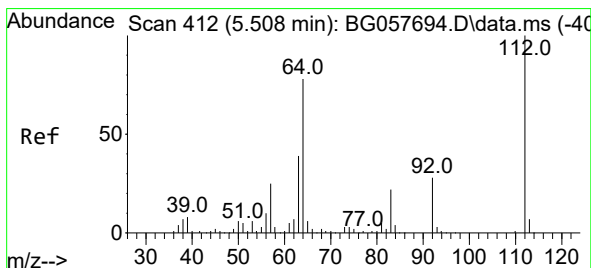
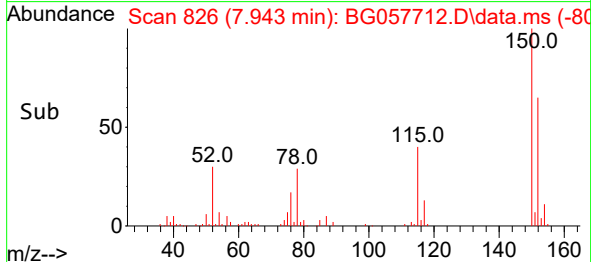
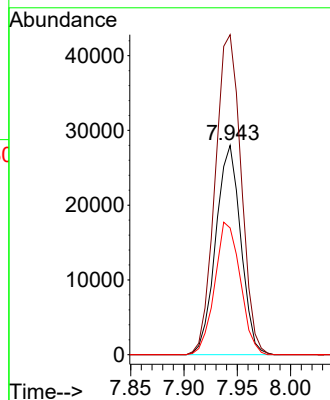
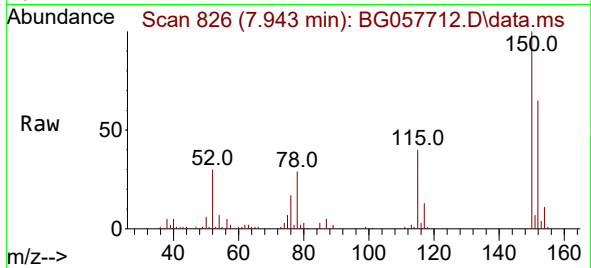




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.943 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

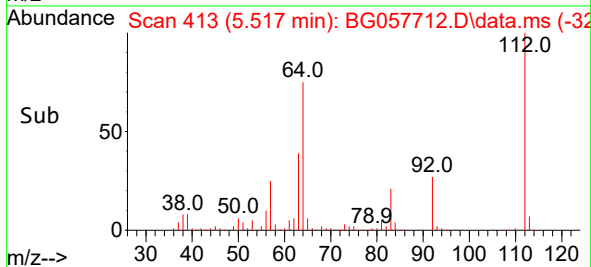
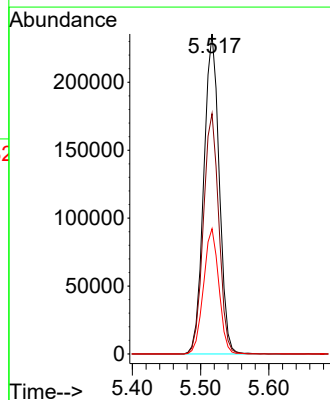
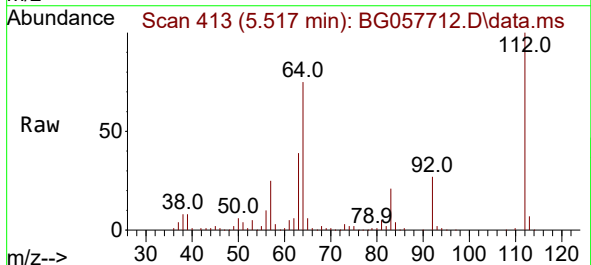
Instrument :
BNA_G
ClientSampleId :
TP-4-GA

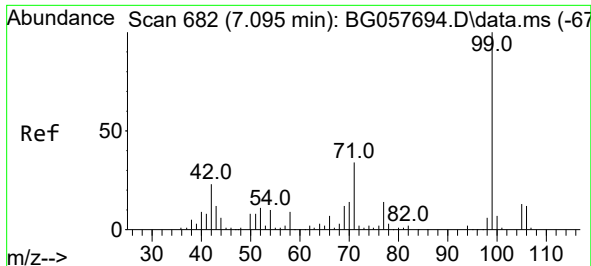
Tgt Ion:152 Resp: 45631
Ion Ratio Lower Upper
152 100
150 152.9 120.8 181.2
115 60.5 49.4 74.2



#5
2-Fluorophenol
Concen: 132.170 ng
RT: 5.517 min Scan# 413
Delta R.T. 0.008 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

Tgt Ion:112 Resp: 370391
Ion Ratio Lower Upper
112 100
64 75.1 62.3 93.5
63 39.2 31.5 47.3

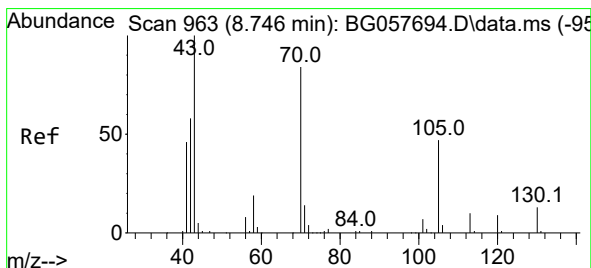
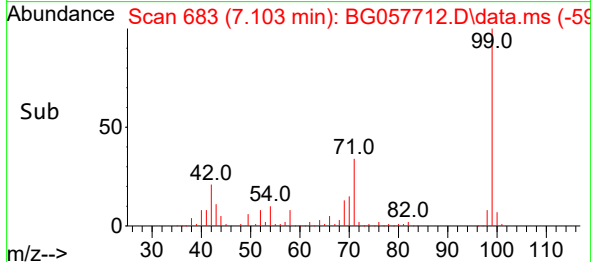
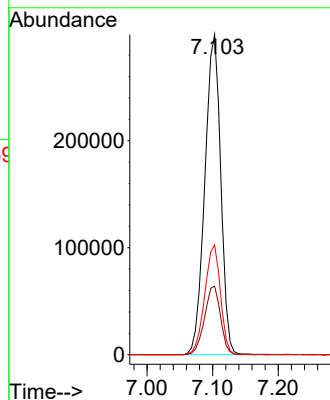
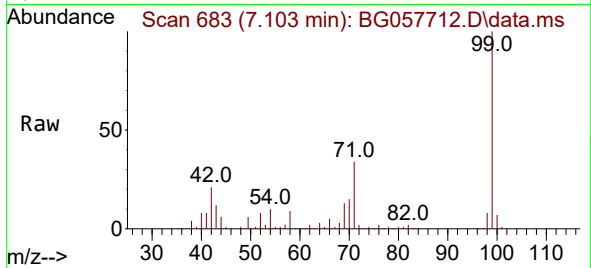




#7
Phenol-d6
Concen: 117.309 ng
RT: 7.103 min Scan# 61
Delta R.T. 0.008 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

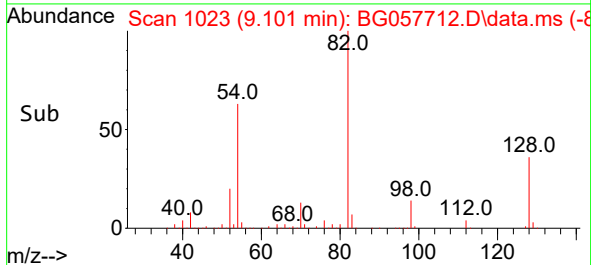
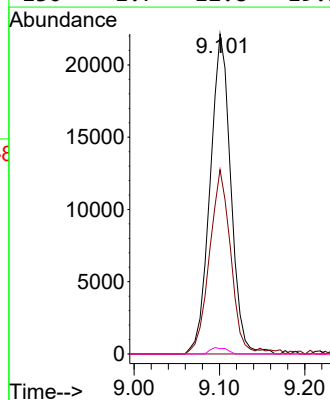
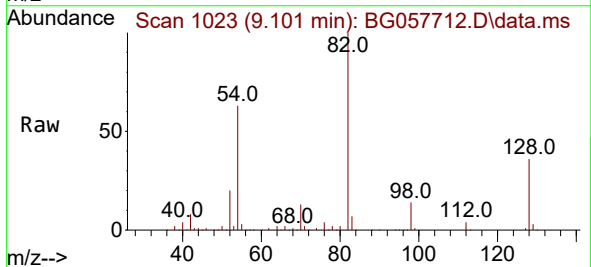
Instrument :
BNA_G
ClientSampleId :
TP-4-GA

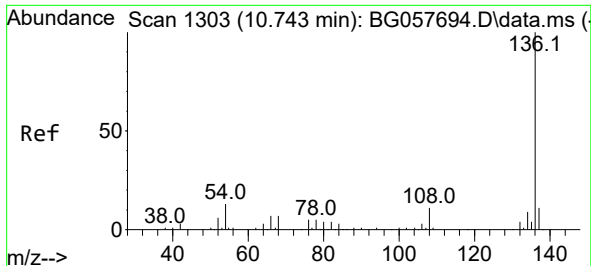
Tgt Ion: 99 Resp: 505032
Ion Ratio Lower Upper
99 100
42 21.4 18.3 27.5
71 34.3 27.5 41.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.991 ng
RT: 9.101 min Scan# 1023
Delta R.T. 0.355 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

Tgt Ion: 70 Resp: 37327
Ion Ratio Lower Upper
70 100
42 57.6 56.6 84.8
101 0.0 6.2 9.4#
130 1.7 12.8 19.2#

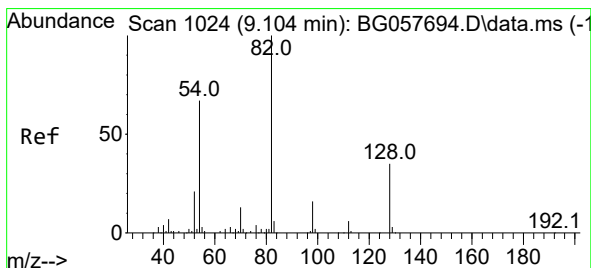
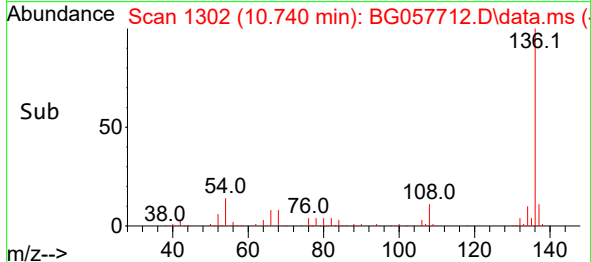
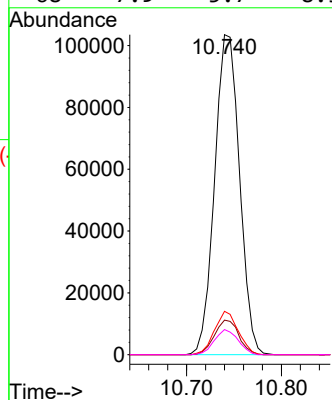
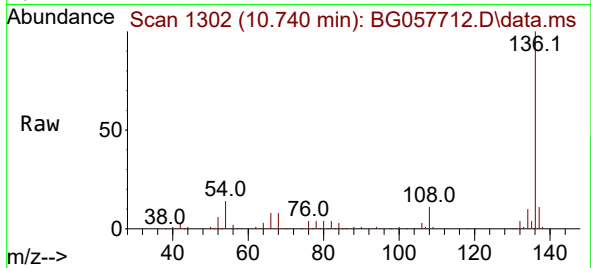




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.740 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

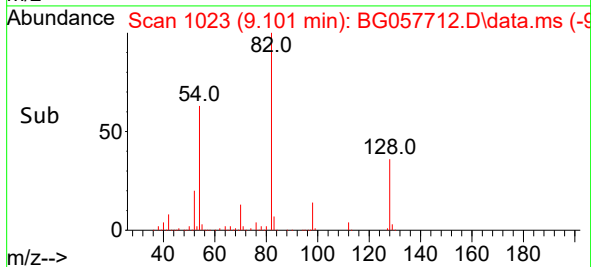
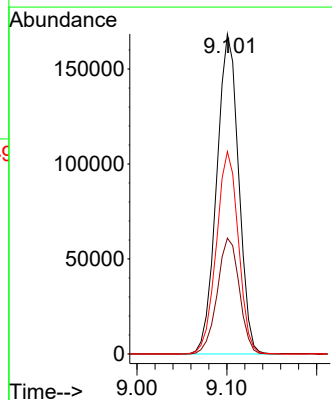
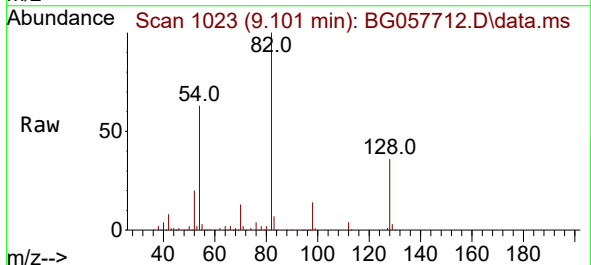
Instrument :
BNA_G
ClientSampleId :
TP-4-GA

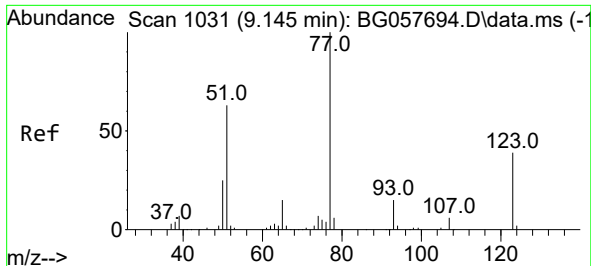
Tgt Ion:136 Resp: 188874
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 13.6 10.8 16.2
68 7.9 5.7 8.5



#23
Nitrobenzene-d5
Concen: 92.602 ng
RT: 9.101 min Scan# 1023
Delta R.T. -0.003 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

Tgt Ion: 82 Resp: 286495
Ion Ratio Lower Upper
82 100
128 36.2 27.7 41.5
54 63.2 53.8 80.8

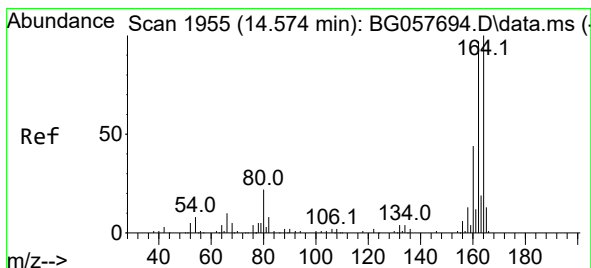
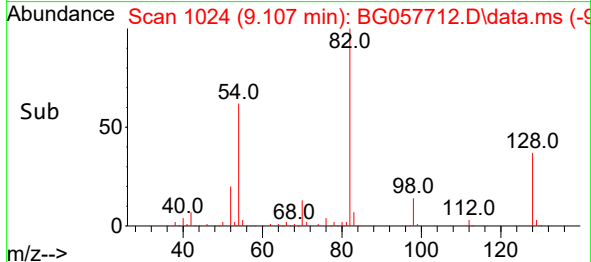
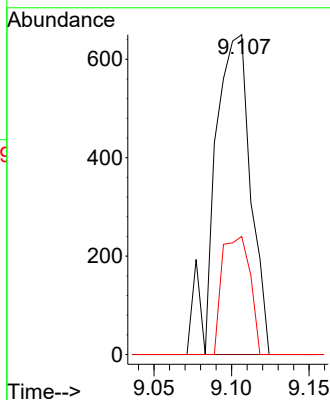
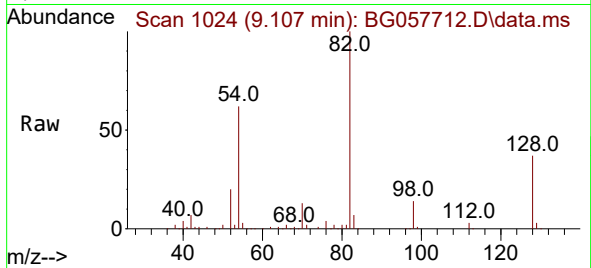




#24
Nitrobenzene
Concen: 5.352 ng
RT: 9.107 min Scan# 1024
Delta R.T. -0.038 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

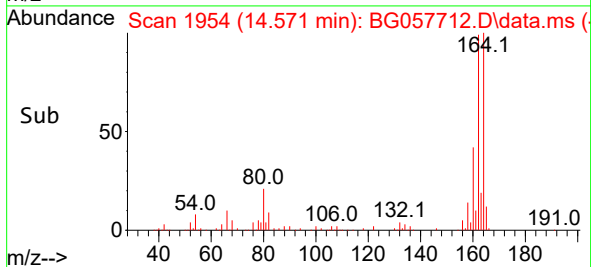
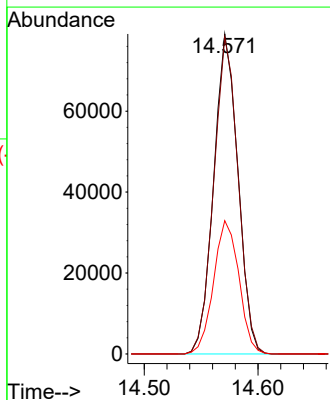
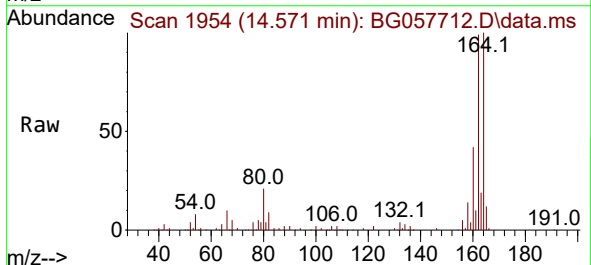
Instrument :
BNA_G
ClientSampleId :
TP-4-GA

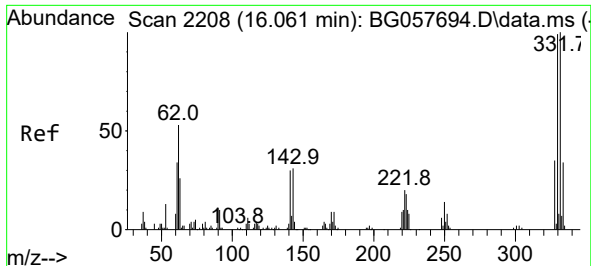
Tgt Ion: 77 Resp: 1049
Ion Ratio Lower Upper
77 100
123 0.0 31.2 46.8#
65 36.9 11.6 17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.571 min Scan# 1954
Delta R.T. -0.003 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

Tgt Ion:164 Resp: 117096
Ion Ratio Lower Upper
164 100
162 99.0 77.7 116.5
160 41.6 35.1 52.7

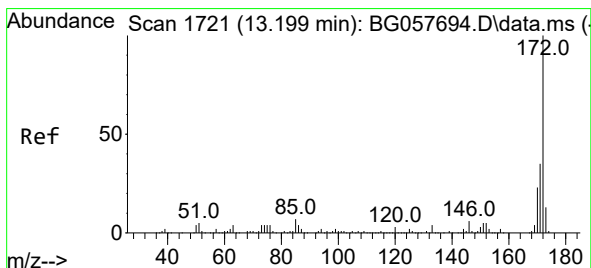
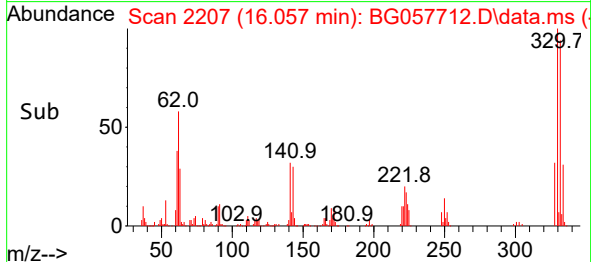
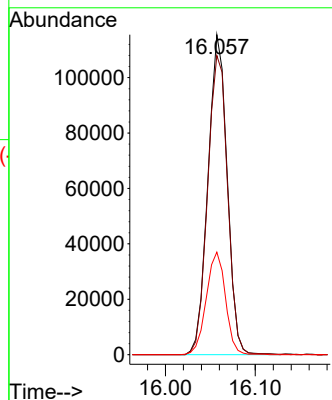
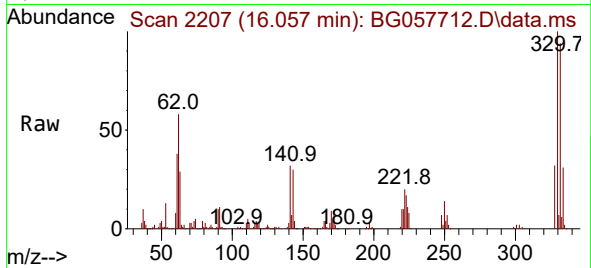




#42
2,4,6-Tribromophenol
Concen: 131.380 ng
RT: 16.057 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

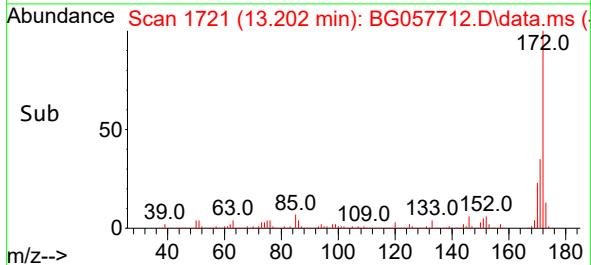
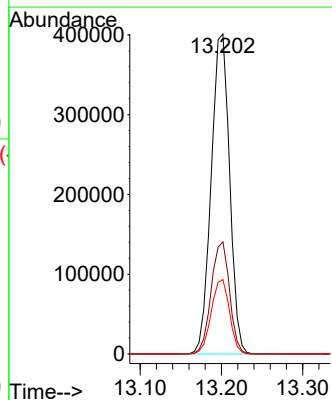
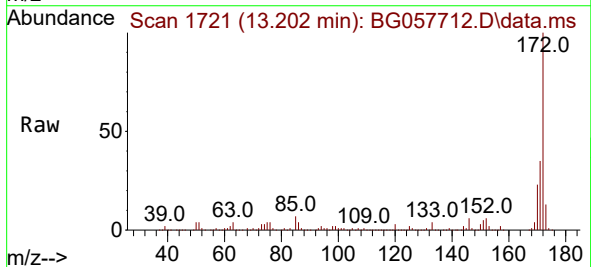
Instrument :
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ClientSampleId :
TP-4-GA

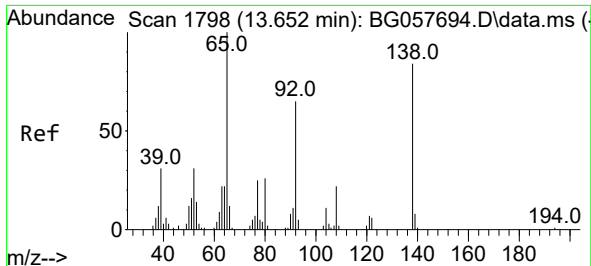
Tgt Ion:330 Resp: 171634
Ion Ratio Lower Upper
330 100
332 96.9 79.0 118.6
141 32.0 25.0 37.6



#45
2-Fluorobiphenyl
Concen: 80.353 ng
RT: 13.202 min Scan# 1721
Delta R.T. 0.002 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

Tgt Ion:172 Resp: 631224
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.3 18.2 27.4

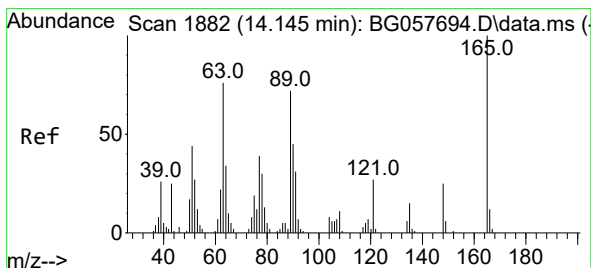
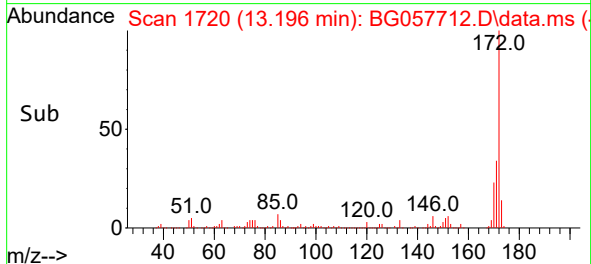
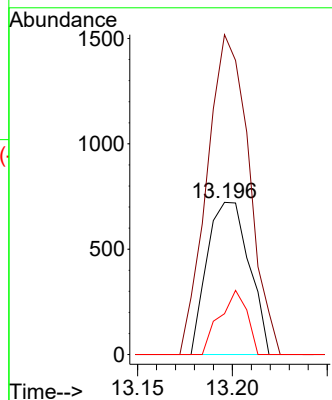
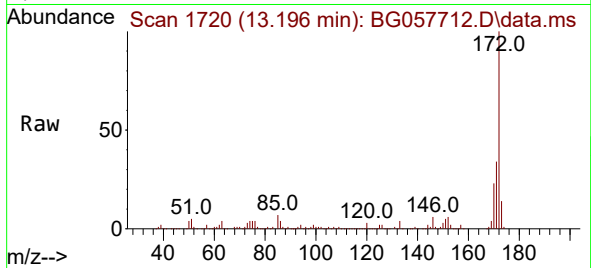




#48
2-Nitroaniline
Concen: 4.949 ng
RT: 13.196 min Scan# 1115
Delta R.T. -0.456 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

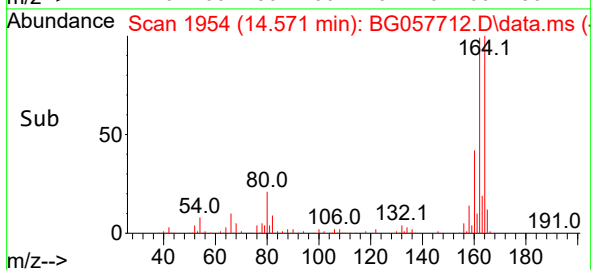
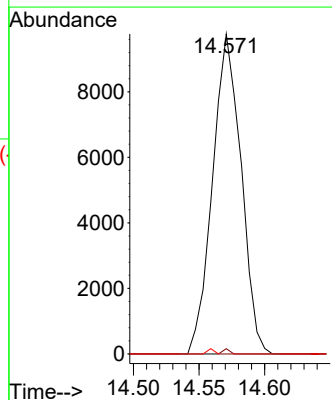
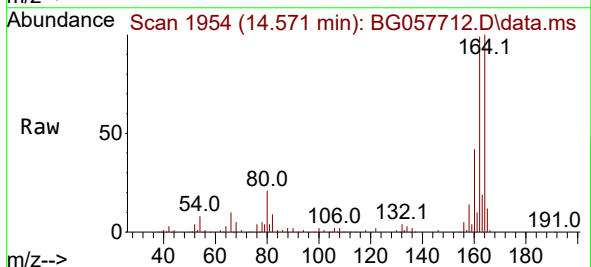
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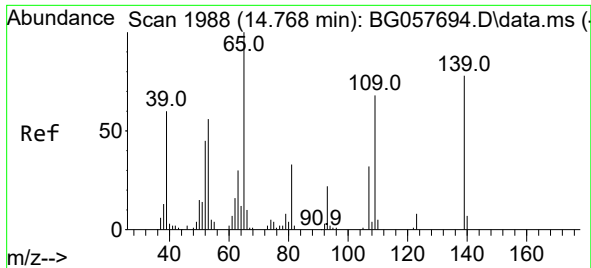
Tgt Ion: 65 Resp: 1115
Ion Ratio Lower Upper
65 100
92 210.2 52.2 78.4#
138 26.9 67.0 100.4#



#51
2,6-Dinitrotoluene
Concen: 17.304 ng
RT: 14.571 min Scan# 1954
Delta R.T. 0.426 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

Tgt Ion:165 Resp: 14742
Ion Ratio Lower Upper
165 100
63 1.7 62.3 93.5#
89 0.0 57.4 86.0#

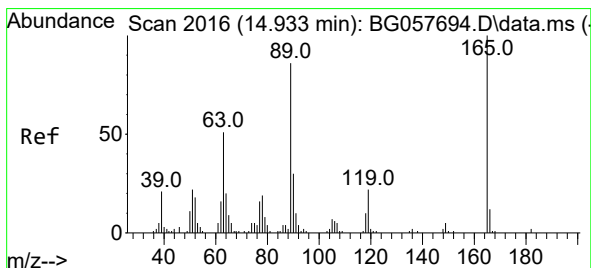
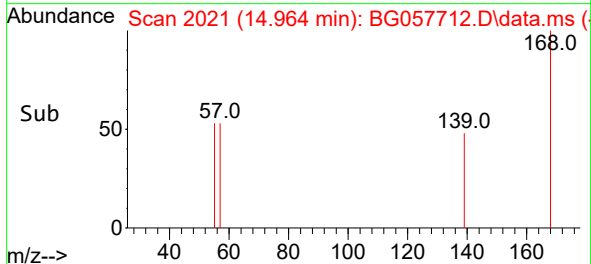
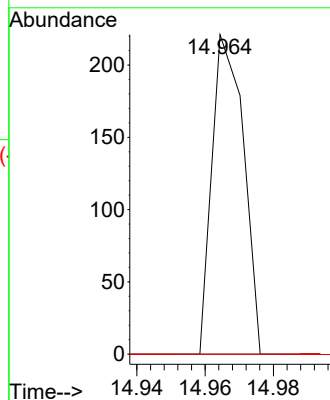
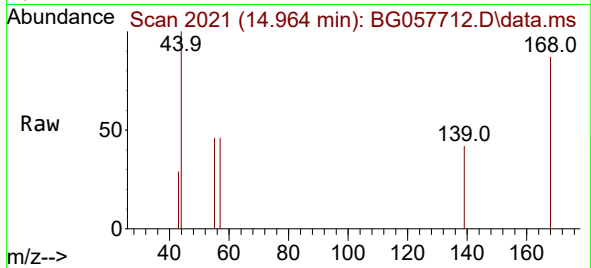




#56
4-Nitrophenol
Concen: 4.291 ng
RT: 14.964 min Scan# 20
Delta R.T. 0.196 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

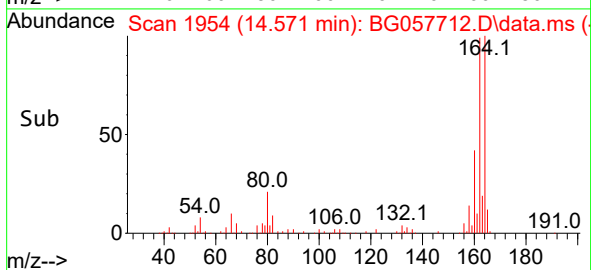
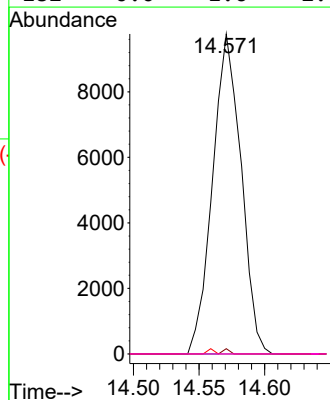
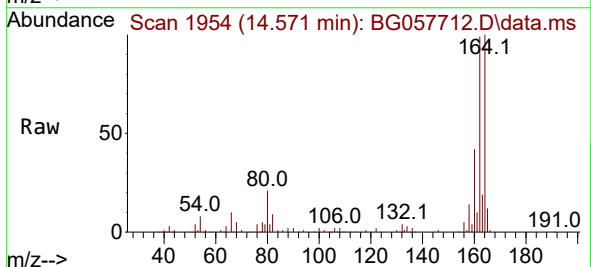
Instrument :
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TP-4-GA

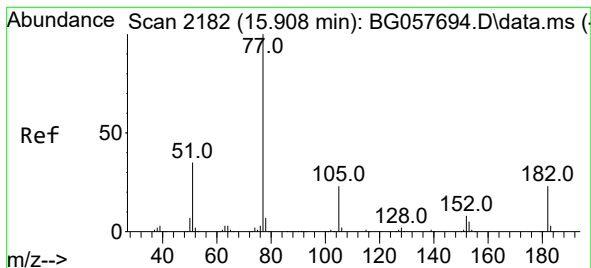
Tgt Ion:139 Resp: 141
Ion Ratio Lower Upper
139 100
109 0.0 67.3 107.3#
65 0.0 108.3 148.3#



#57
2,4-Dinitrotoluene
Concen: 14.378 ng
RT: 14.571 min Scan# 1954
Delta R.T. -0.362 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

Tgt Ion:165 Resp: 14742
Ion Ratio Lower Upper
165 100
63 1.7 40.8 61.2#
89 0.0 68.5 102.7#
182 0.0 1.6 2.4#





#63

Azobenzene

Concen: 2.338 ng

RT: 15.928 min Scan# 2185

Delta R.T. 0.020 min

Lab File: BG057712.D

Acq: 14 Jun 2023 17:57

Instrument :

BNA_G

ClientSampleId :

TP-4-GA

Tgt Ion: 77 Resp: 22283

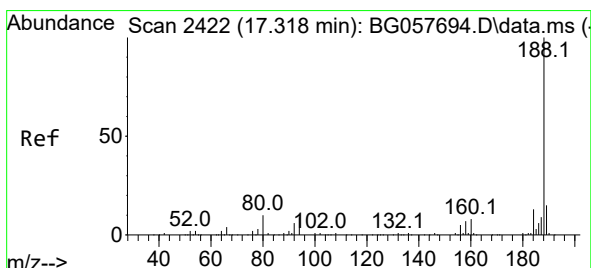
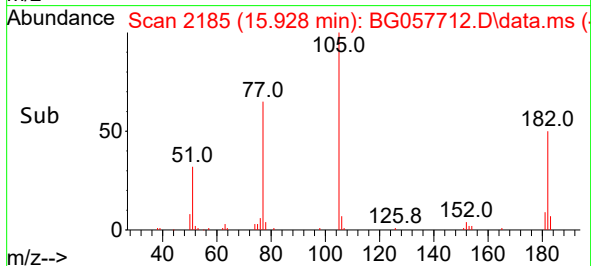
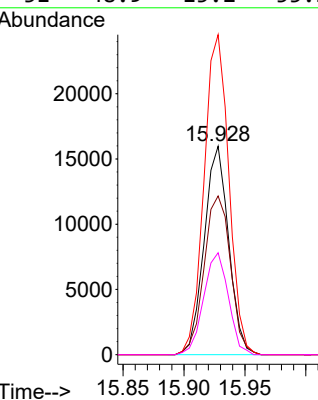
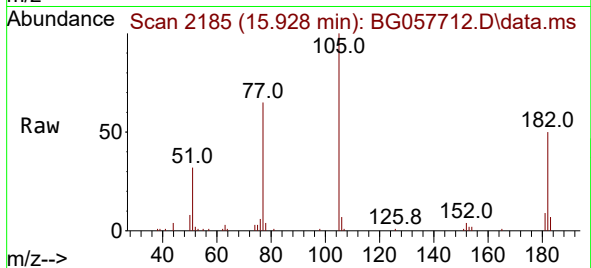
Ion Ratio Lower Upper

77 100

182 76.2 3.2 43.2#

105 153.5 3.3 43.3#

51 48.9 15.2 55.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 2421

Delta R.T. -0.003 min

Lab File: BG057712.D

Acq: 14 Jun 2023 17:57

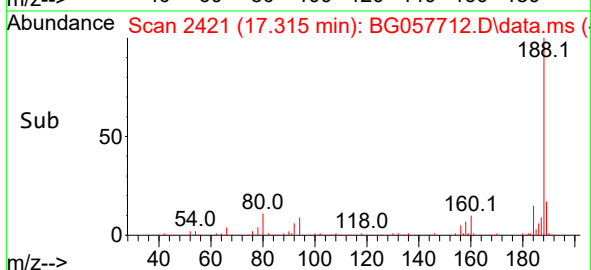
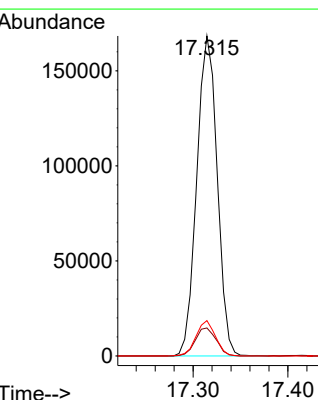
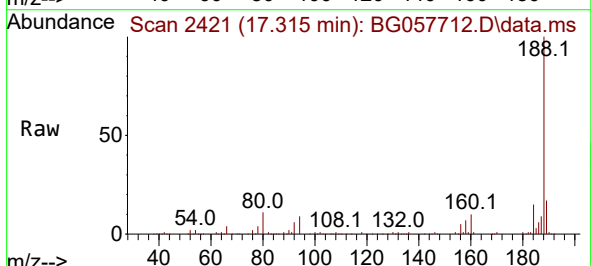
Tgt Ion:188 Resp: 252120

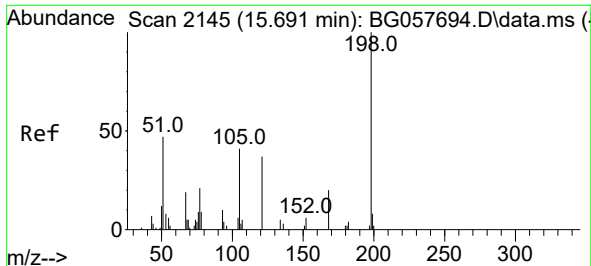
Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

80 11.0 8.2 12.4

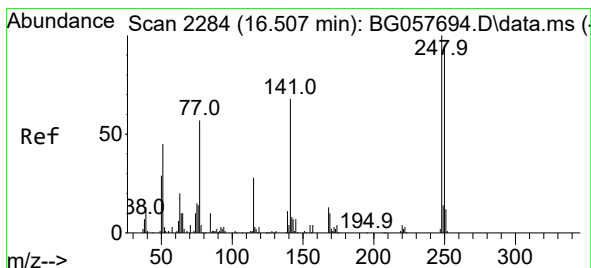
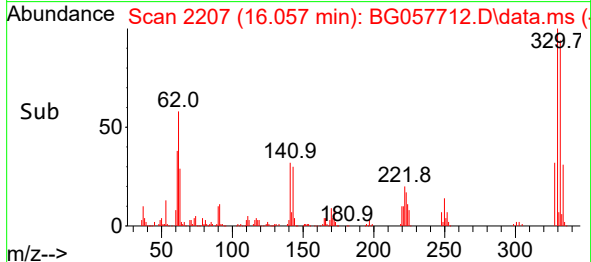
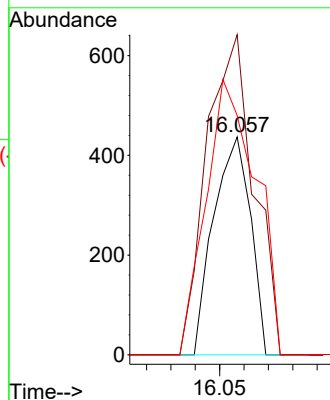
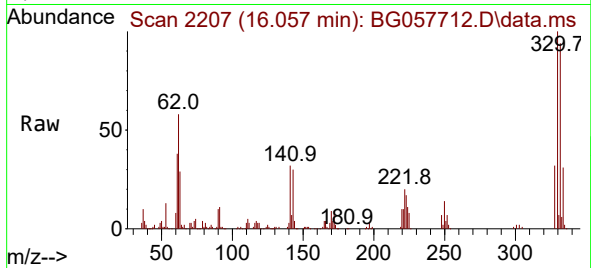




#65
4,6-Dinitro-2-methylphenol
Concen: 2.777 ng
RT: 16.057 min Scan# 2145
Delta R.T. 0.366 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

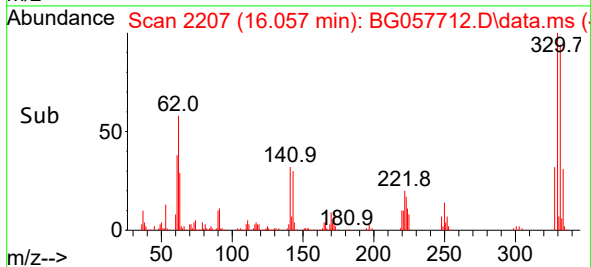
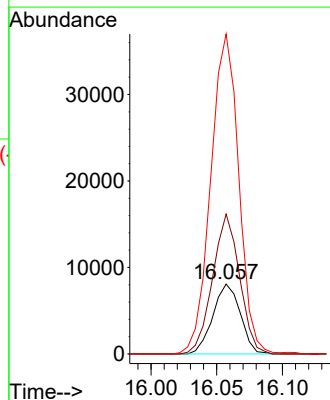
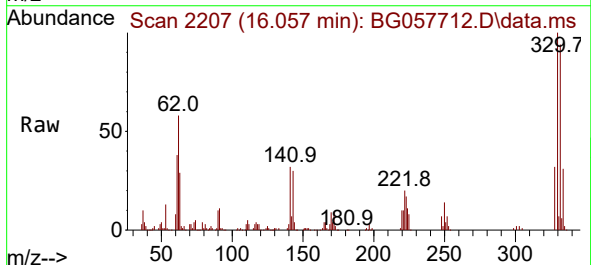
Instrument :
BNA_G
ClientSampleId :
TP-4-GA

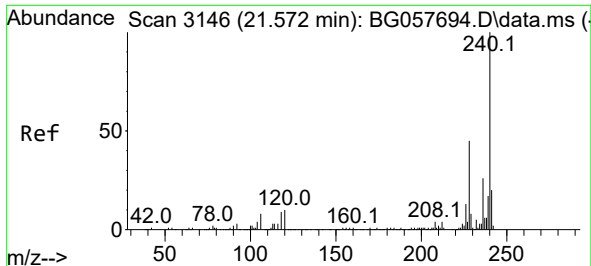
Tgt Ion:198 Resp: 459
Ion Ratio Lower Upper
198 100
51 146.9 42.0 82.0#
105 109.8 30.9 70.9#



#67
4-Bromophenyl-phenylether
Concen: 4.563 ng
RT: 16.057 min Scan# 2207
Delta R.T. -0.450 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

Tgt Ion:248 Resp: 11714
Ion Ratio Lower Upper
248 100
250 200.2 76.3 114.5#
141 458.0 54.6 82.0#

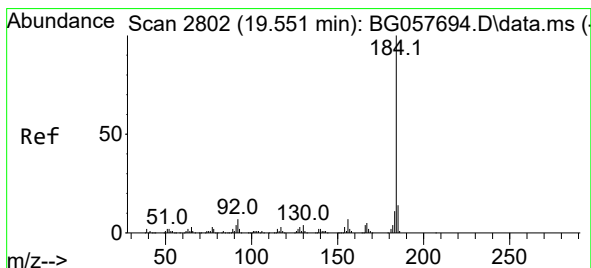
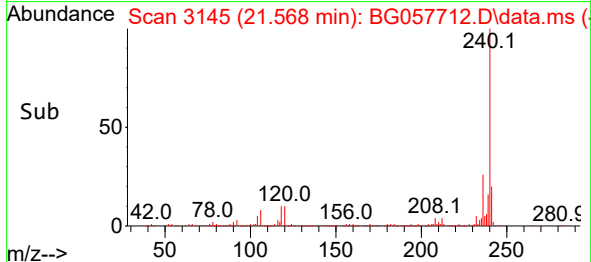
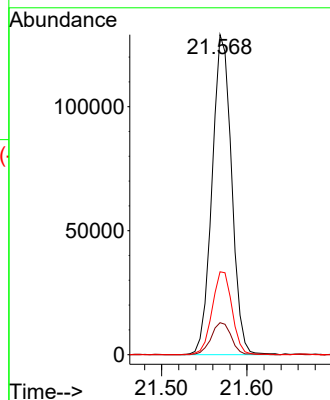
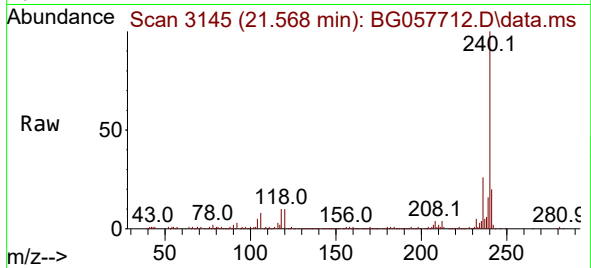




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3145
Delta R.T. -0.004 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

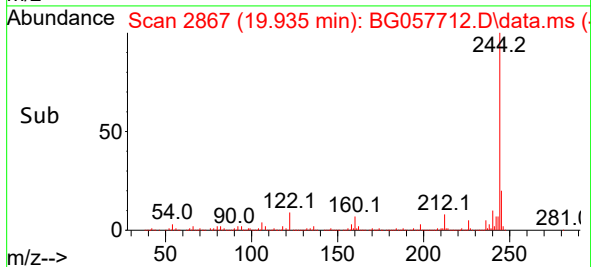
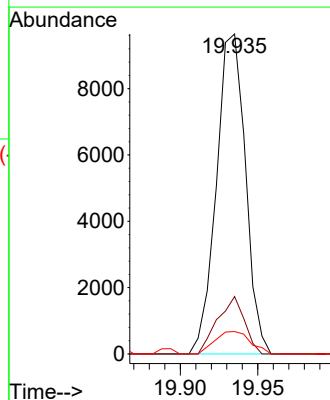
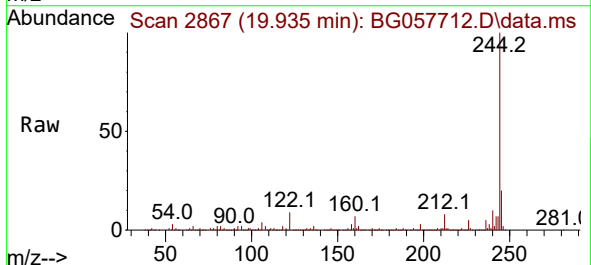
Instrument :
BNA_G
ClientSampleId :
TP-4-GA

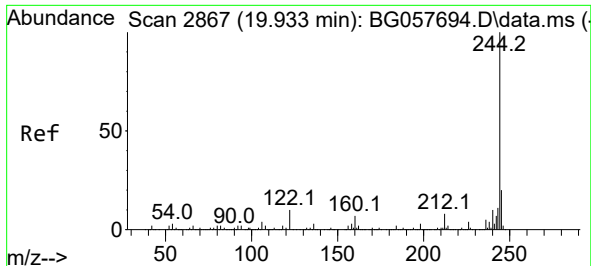
Tgt Ion:240 Resp: 204950
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 25.9 20.7 31.1



#77
Benzidine
Concen: 2.575 ng
RT: 19.935 min Scan# 2867
Delta R.T. 0.384 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

Tgt Ion:184 Resp: 12581
Ion Ratio Lower Upper
184 100
185 17.9 11.1 16.7#
183 7.0 8.4 12.6#

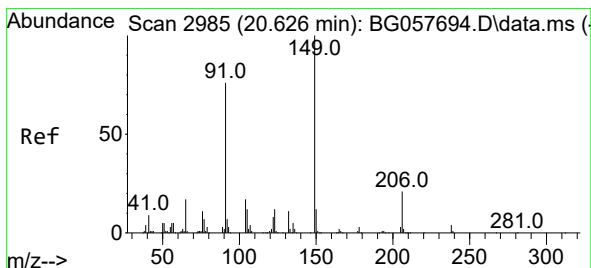
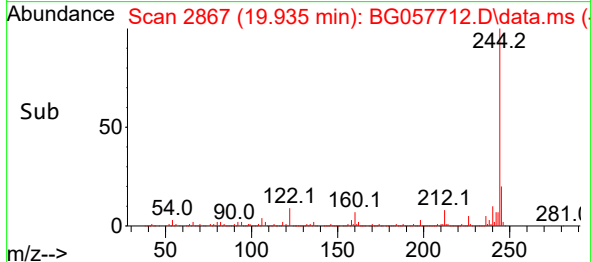
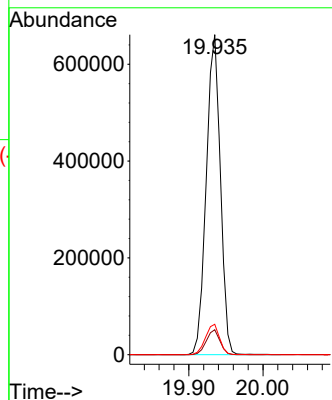
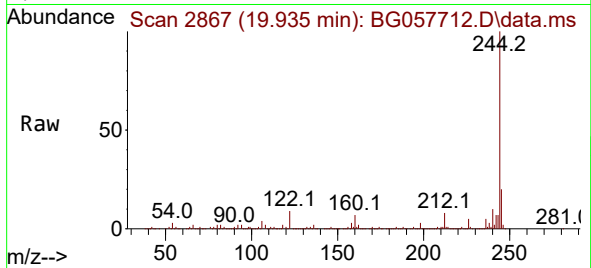




#79
 Terphenyl-d14
 Concen: 78.699 ng
 RT: 19.935 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG057712.D
 Acq: 14 Jun 2023 17:57

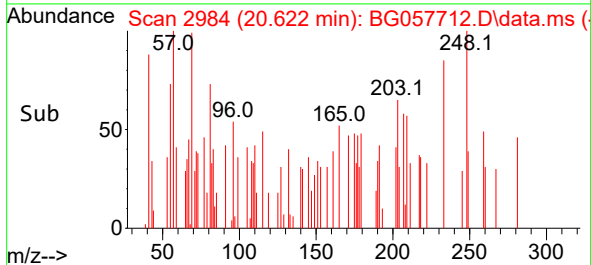
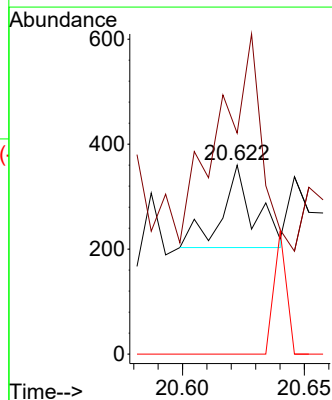
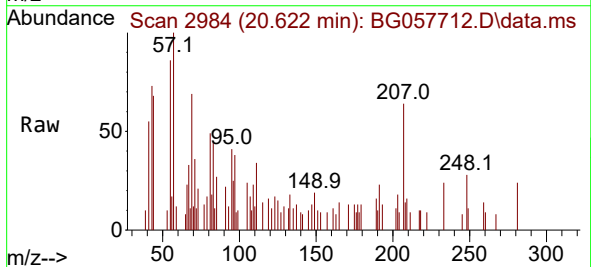
Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GA

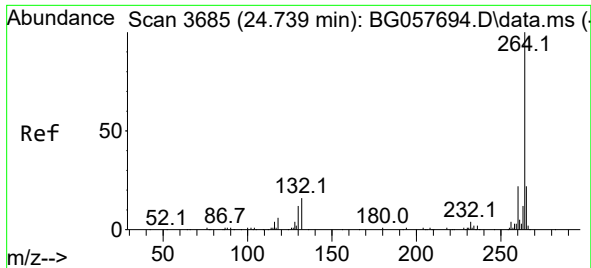
Tgt Ion:244 Resp: 872394
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 9.5 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 4.132 ng
 RT: 20.622 min Scan# 2984
 Delta R.T. -0.004 min
 Lab File: BG057712.D
 Acq: 14 Jun 2023 17:57

Tgt Ion:149 Resp: 147
 Ion Ratio Lower Upper
 149 100
 91 116.9 60.8 91.2#
 206 0.0 16.8 25.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.735 min Scan# 30
Delta R.T. -0.004 min
Lab File: BG057712.D
Acq: 14 Jun 2023 17:57

Instrument :
BNA_G
ClientSampleId :
TP-4-GA

Tgt Ion:264 Resp: 248041

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.3	25.9
265	21.9	17.5	26.3

