

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061623\
 Data File : BG057744.D
 Acq On : 16 Jun 2023 21:32
 Operator : CG/JU
 Sample : 03067-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DT-GW-1

Quant Time: Jun 17 04:00:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 15:28:07 2023
 Response via : Initial Calibration

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

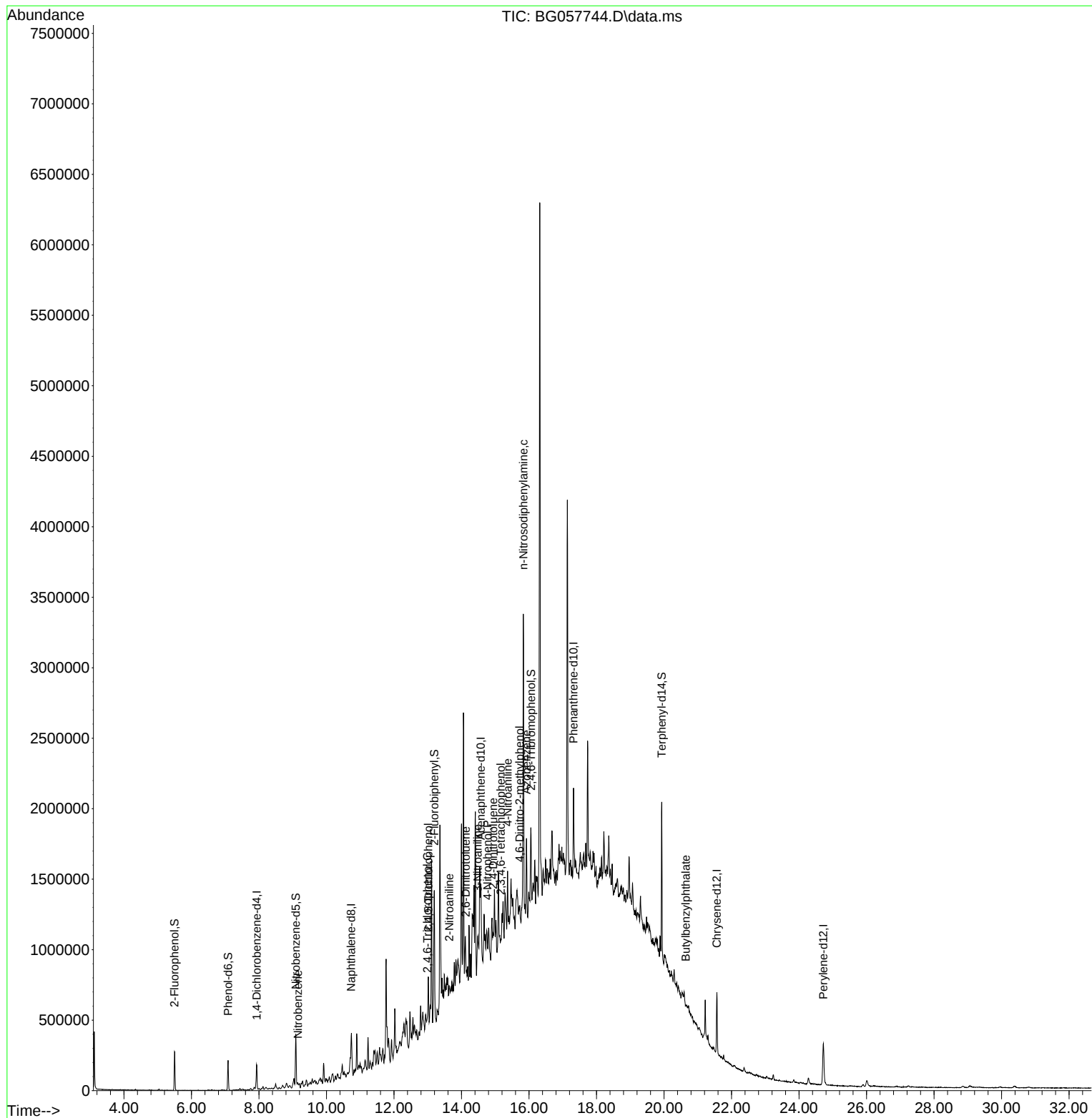
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	46864	20.000	ng	-0.01
21) Naphthalene-d8	10.731	136	205685	20.000	ng	#-0.01
39) Acenaphthene-d10	14.568	164	125725	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	247888	20.000	ng	# 0.00
76) Chrysene-d12	21.566	240	246509	20.000	ng	0.00
86) Perylene-d12	24.721	264	315218	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	114481	39.776	ng	-0.01
7) Phenol-d6	7.083	99	108004	24.427	ng	-0.01
23) Nitrobenzene-d5	9.092	82	216516	68.707	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	123014	87.701	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	478147	56.689	ng	0.00
79) Terphenyl-d14	19.932	244	583324	43.750	ng	0.00
Target Compounds						Qvalue
24) Nitrobenzene	9.157	77	161	5.116	ng	# 21
26) 2-Nitrophenol	9.856	139	1645	Below Cal		# 1
43) 2,4,6-Trichlorophenol	12.988	196	142	3.391	ng	# 13
44) 2,4,5-Trichlorophenol	13.017	196	348	3.439	ng	# 1
48) 2-Nitroaniline	13.634	65	529	4.451	ng	# 76
51) 2,6-Dinitrotoluene	14.127	165	8013	11.113	ng	# 20
53) 3-Nitroaniline	14.480	138	10185	10.821	ng	# 12
54) 2,4-Dinitrophenol	14.680	184	210	Below Cal		# 1
56) 4-Nitrophenol	14.768	139	665	4.747	ng	# 1
57) 2,4-Dinitrotoluene	14.938	165	1194	4.944	ng	# 39
59) 2,3,4,6-Tetrachlorophenol	15.167	232	307	3.336	ng	# 1
62) 4-Nitroaniline	15.367	138	7491	8.415	ng	88
63) Azobenzene	15.925	77	122415	11.964	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.720	198	306	2.305	ng	# 1
66) n-Nitrosodiphenylamine	15.831	169	21658	3.342	ng	# 48
80) Butylbenzylphthalate	20.643	149	817	4.224	ng	# 29

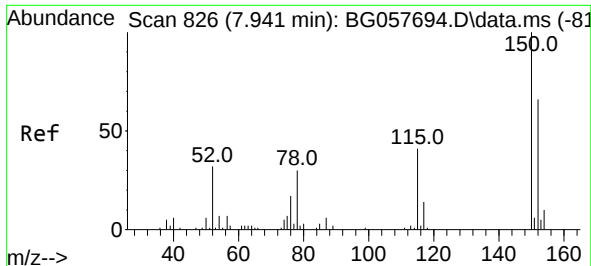
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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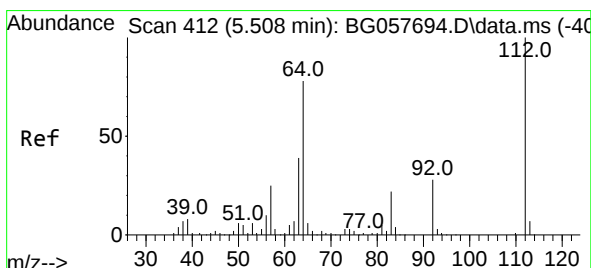
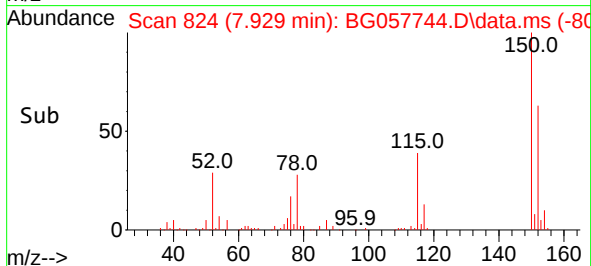
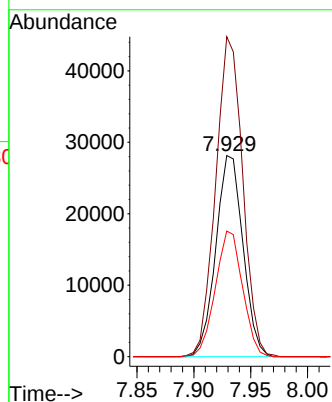
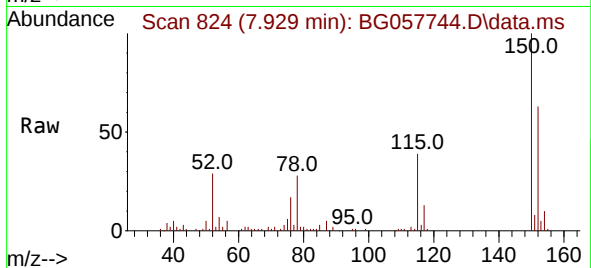




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

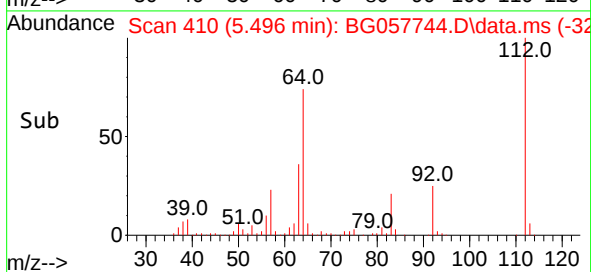
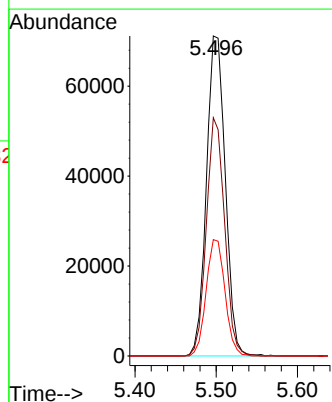
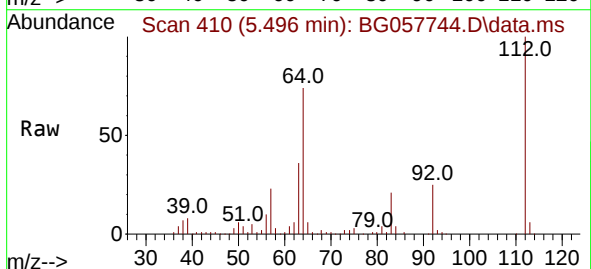
Instrument :
BNA_G
ClientSampleId :
DT-GW-1

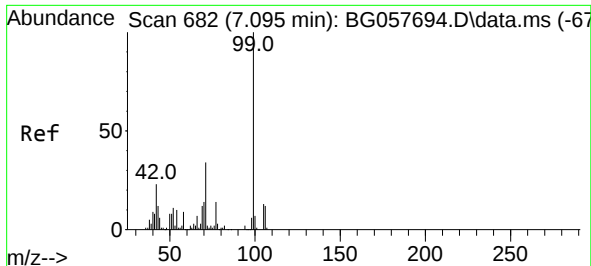
Tgt Ion:152 Resp: 46864
Ion Ratio Lower Upper
152 100
150 159.1 120.8 181.2
115 62.5 49.4 74.2



#5
2-Fluorophenol
Concen: 39.776 ng
RT: 5.496 min Scan# 410
Delta R.T. -0.013 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

Tgt Ion:112 Resp: 114481
Ion Ratio Lower Upper
112 100
64 74.4 62.3 93.5
63 36.4 31.5 47.3

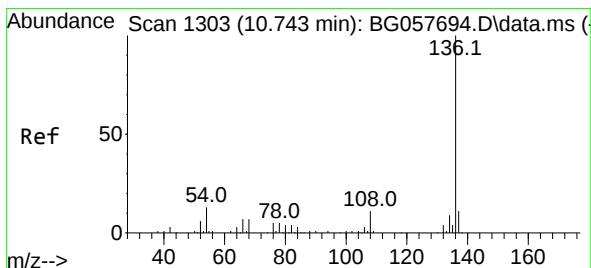
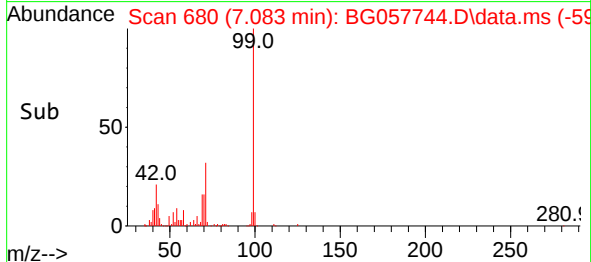
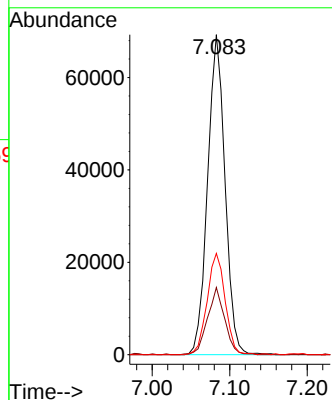
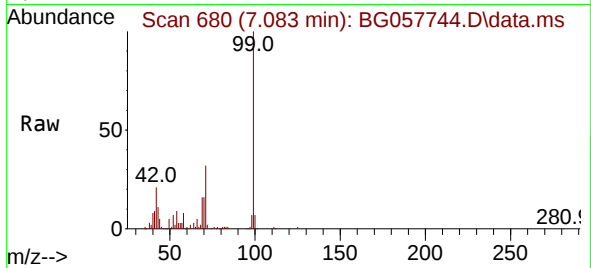




#7
Phenol-d6
Concen: 24.427 ng
RT: 7.083 min Scan# 61
Delta R.T. -0.013 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

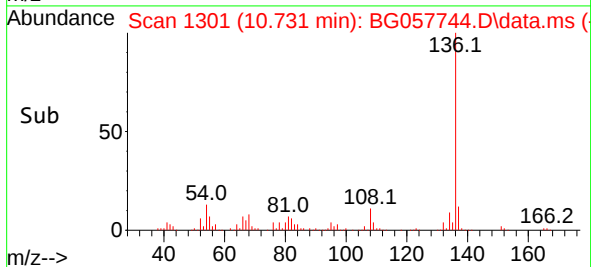
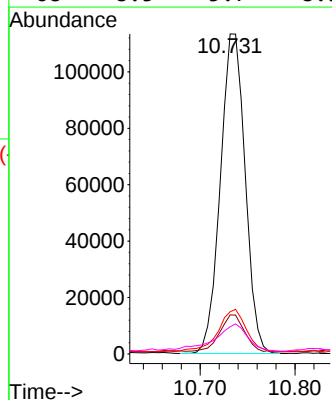
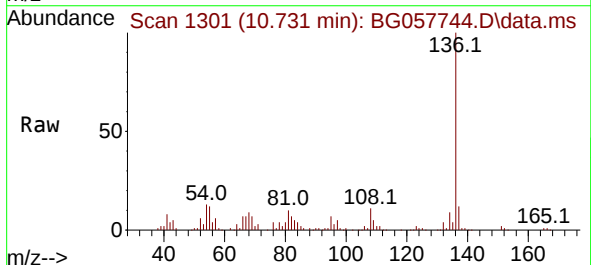
Instrument :
BNA_G
ClientSampleId :
DT-GW-1

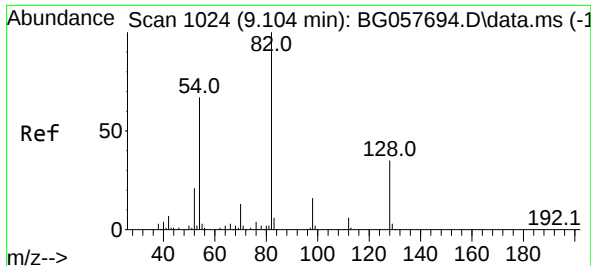
Tgt Ion: 99 Resp: 108004
Ion Ratio Lower Upper
99 100
42 21.0 18.3 27.5
71 31.7 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1301
Delta R.T. -0.013 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

Tgt Ion: 136 Resp: 205685
Ion Ratio Lower Upper
136 100
137 12.2 8.6 13.0
54 13.2 10.8 16.2
68 8.5 5.7 8.5#

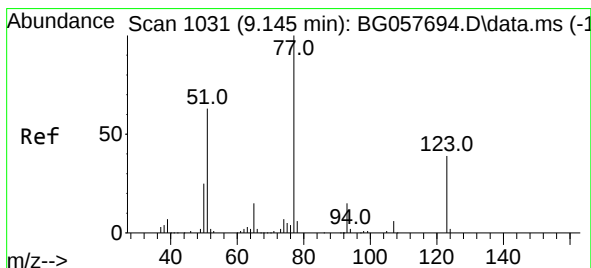
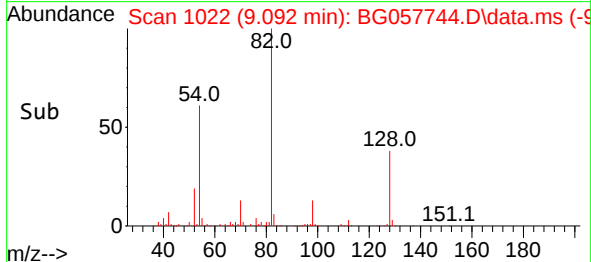
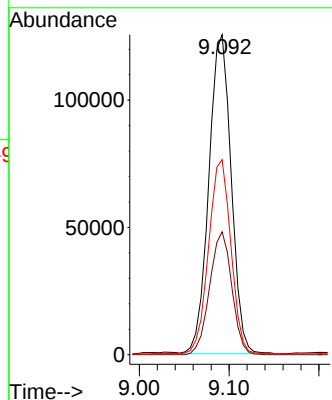
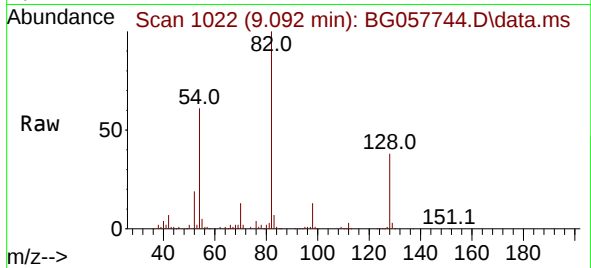




#23
Nitrobenzene-d5
Concen: 68.707 ng
RT: 9.092 min Scan# 1022
Delta R.T. -0.007 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

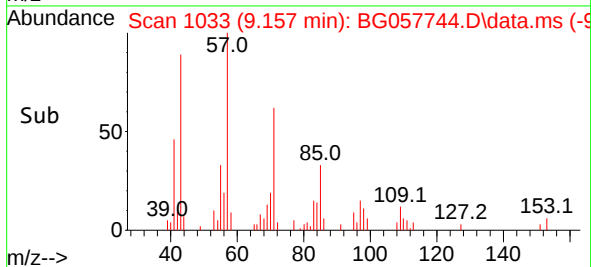
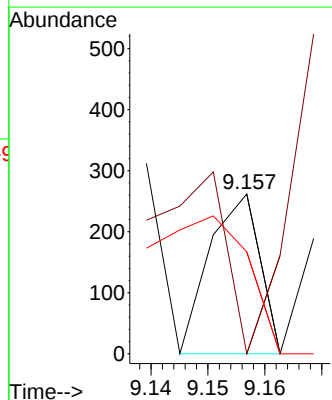
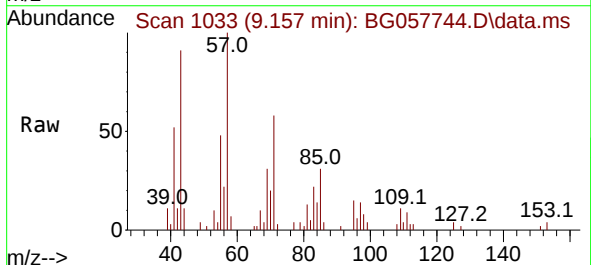
Instrument :
BNA_G
ClientSampleId :
DT-GW-1

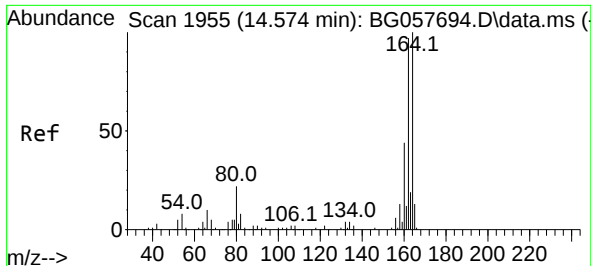
Tgt Ion: 82 Resp: 216516
Ion Ratio Lower Upper
82 100
128 38.4 27.7 41.5
54 60.9 53.8 80.8



#24
Nitrobenzene
Concen: 5.116 ng
RT: 9.157 min Scan# 1033
Delta R.T. 0.010 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

Tgt Ion: 77 Resp: 161
Ion Ratio Lower Upper
77 100
123 0.0 31.2 46.8#
65 63.7 11.6 17.4#

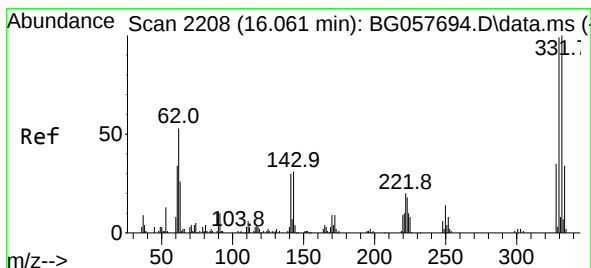
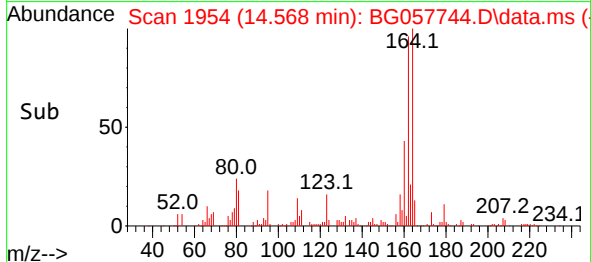
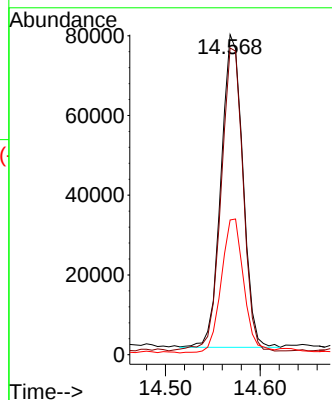
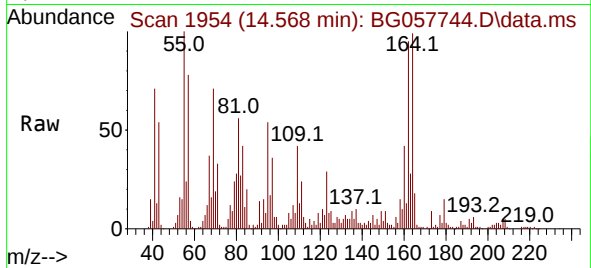




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.007 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

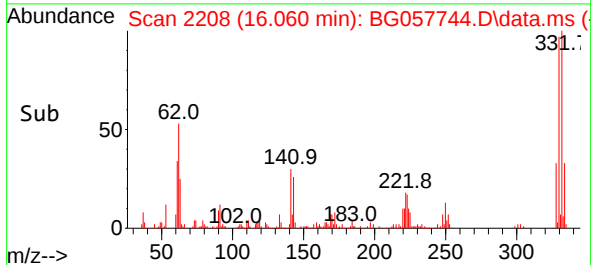
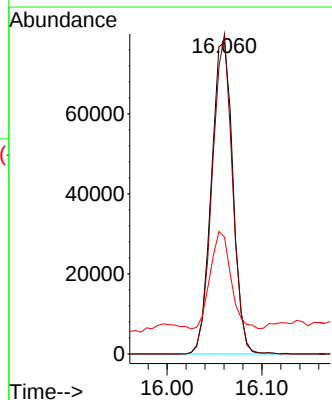
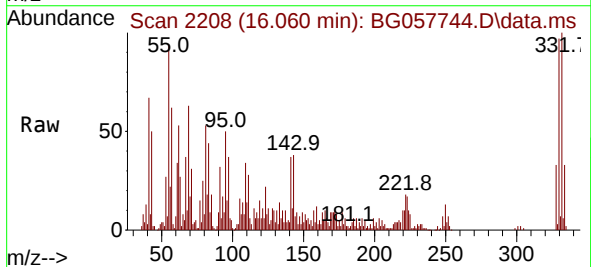
Instrument :
BNA_G
ClientSampleId :
DT-GW-1

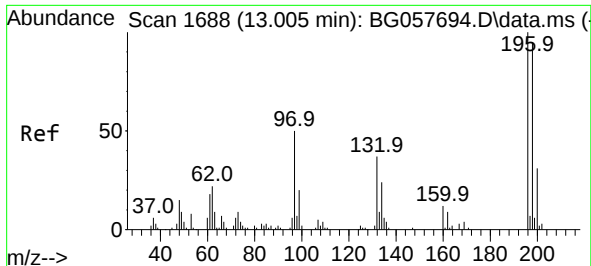
Tgt Ion:164 Resp: 125725
Ion Ratio Lower Upper
164 100
162 95.9 77.7 116.5
160 42.1 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 87.701 ng
RT: 16.060 min Scan# 2208
Delta R.T. -0.002 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

Tgt Ion:330 Resp: 123014
Ion Ratio Lower Upper
330 100
332 96.1 79.0 118.6
141 29.8 25.0 37.6

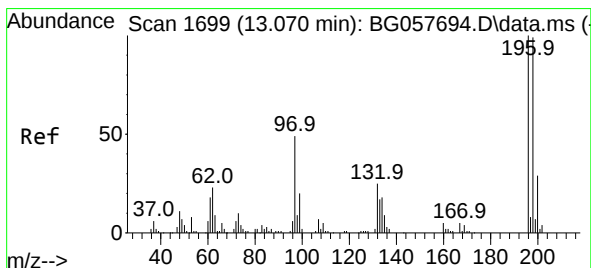
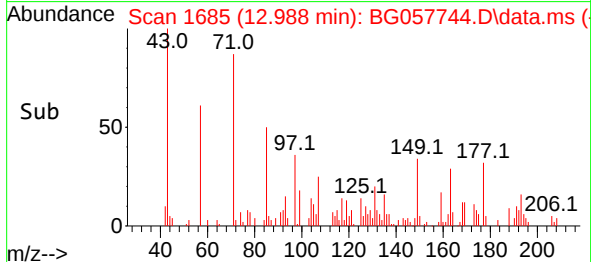
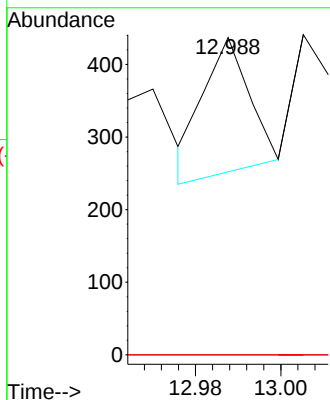
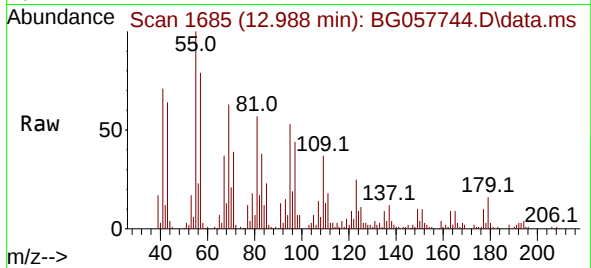




#43
2,4,6-Trichlorophenol
Concen: 3.391 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.019 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

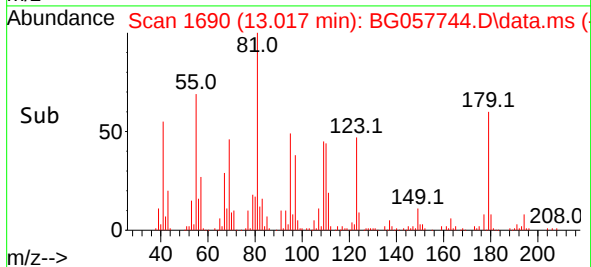
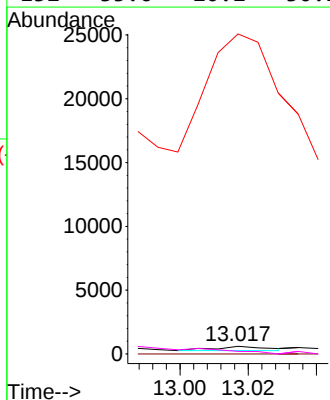
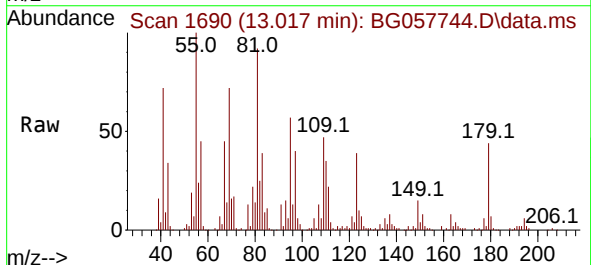
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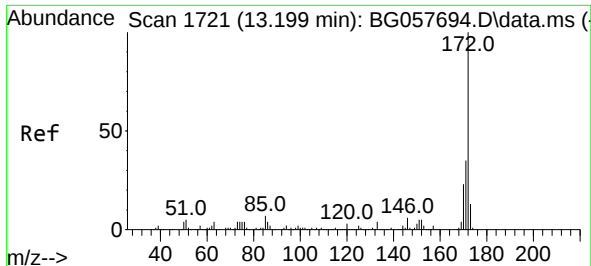
Tgt Ion:196 Resp: 142
Ion Ratio Lower Upper
196 100
198 0.0 75.8 113.6#
200 0.0 24.6 37.0#



#44
2,4,5-Trichlorophenol
Concen: 3.439 ng
RT: 13.017 min Scan# 1690
Delta R.T. -0.054 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

Tgt Ion:196 Resp: 348
Ion Ratio Lower Upper
196 100
198 0.0 79.2 118.8#
97 4194.0 39.9 59.9#
132 33.6 20.2 30.2#

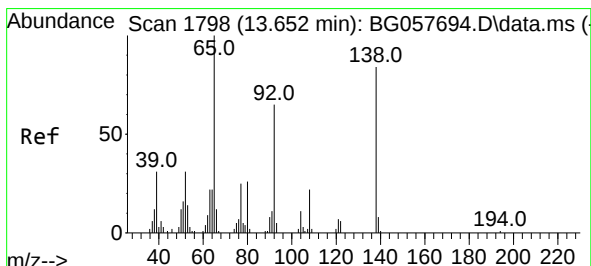
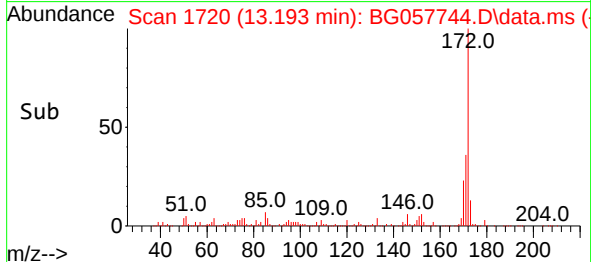
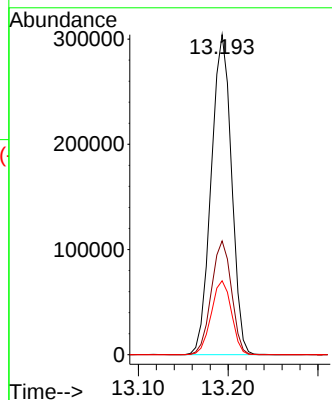
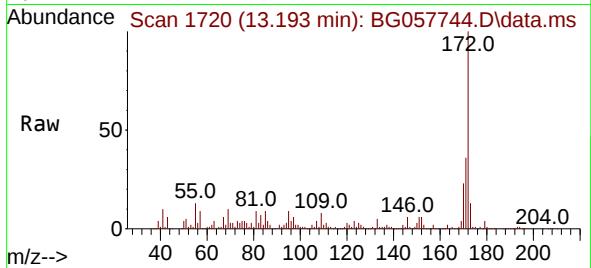




#45
2-Fluorobiphenyl
Concen: 56.689 ng
RT: 13.193 min Scan# 1720
Delta R.T. -0.007 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

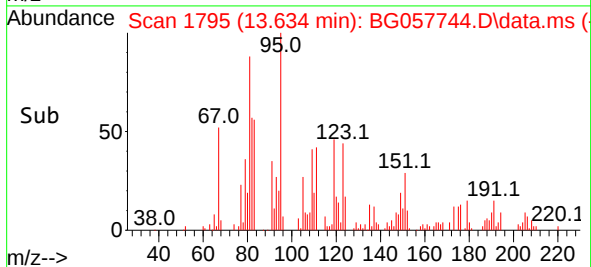
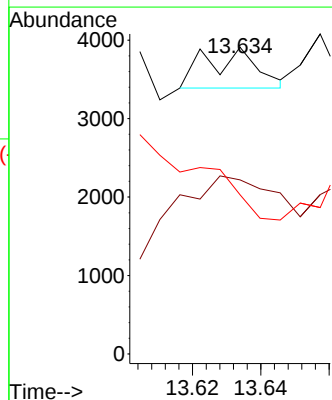
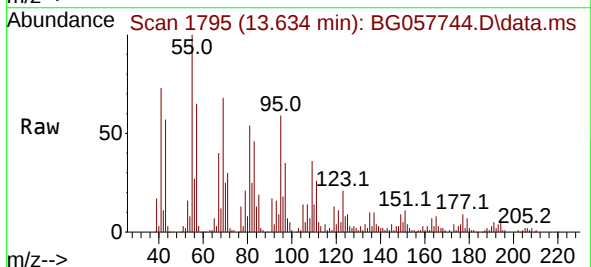
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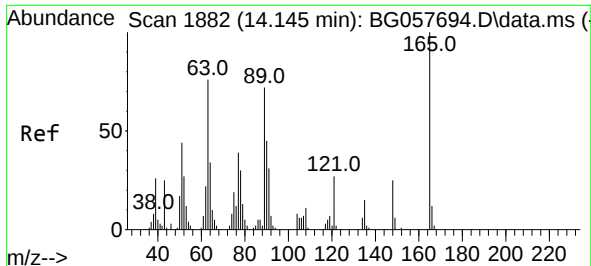
Tgt Ion:172 Resp: 478147
Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 23.1 18.2 27.4



#48
2-Nitroaniline
Concen: 4.451 ng
RT: 13.634 min Scan# 1795
Delta R.T. -0.019 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

Tgt Ion: 65 Resp: 529
Ion Ratio Lower Upper
65 100
92 56.8 52.2 78.4
138 51.9 67.0 100.4#





#51

2,6-Dinitrotoluene

Concen: 11.113 ng

RT: 14.127 min Scan# 1

Delta R.T. -0.019 min

Lab File: BG057744.D

Acq: 16 Jun 2023 21:32

Instrument :

BNA_G

ClientSampleId :

DT-GW-1

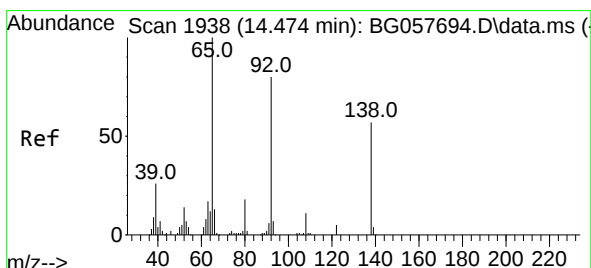
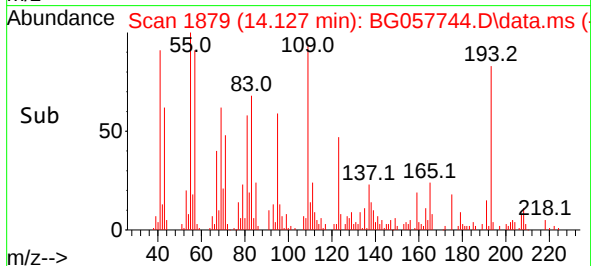
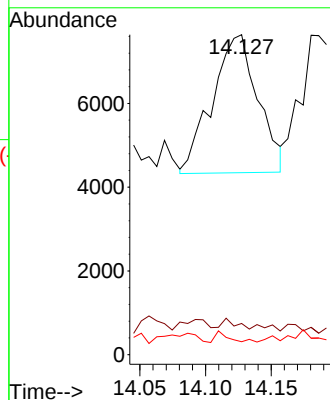
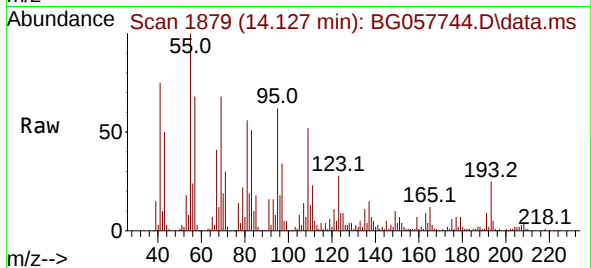
Tgt Ion:165 Resp: 8013

Ion Ratio Lower Upper

165 100

63 9.8 62.3 93.5#

89 4.0 57.4 86.0#



#53

3-Nitroaniline

Concen: 10.821 ng

RT: 14.480 min Scan# 1939

Delta R.T. 0.004 min

Lab File: BG057744.D

Acq: 16 Jun 2023 21:32

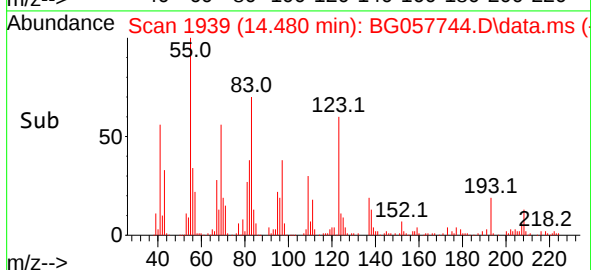
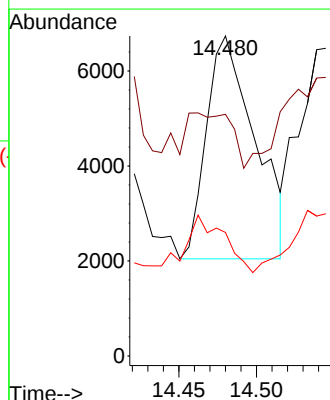
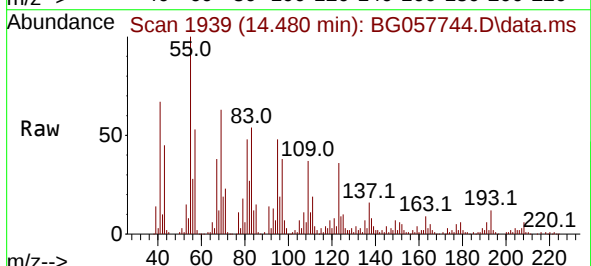
Tgt Ion:138 Resp: 10185

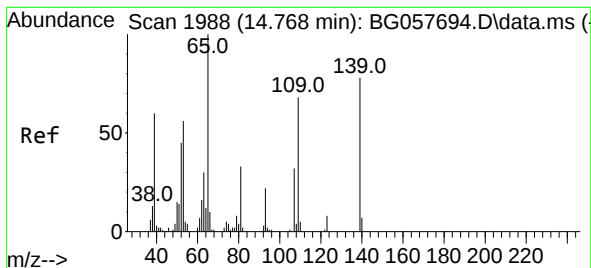
Ion Ratio Lower Upper

138 100

108 75.5 15.8 23.8#

92 38.6 112.2 168.2#

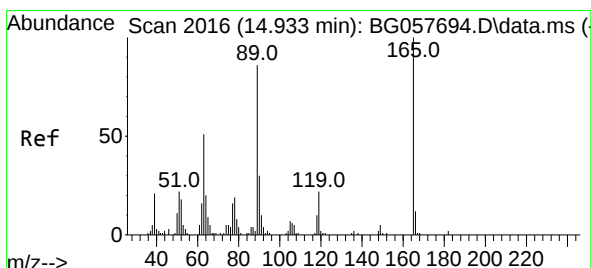
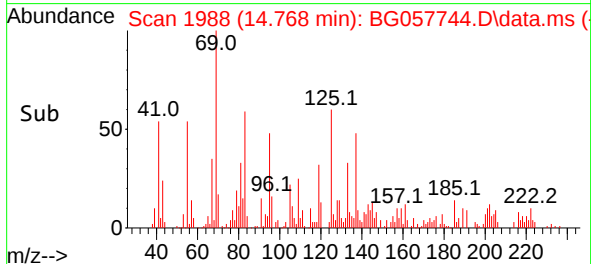
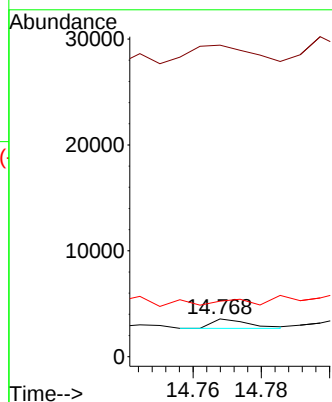
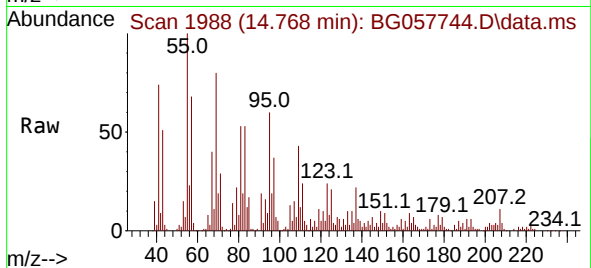




#56
4-Nitrophenol
Concen: 4.747 ng
RT: 14.768 min Scan# 1988
Delta R.T. -0.002 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

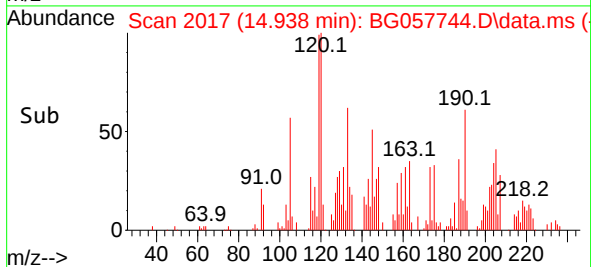
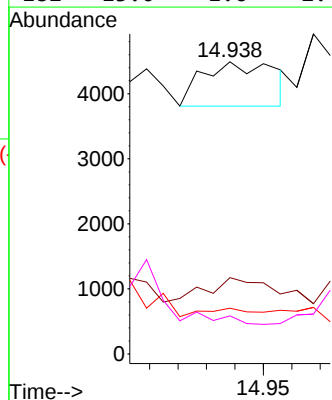
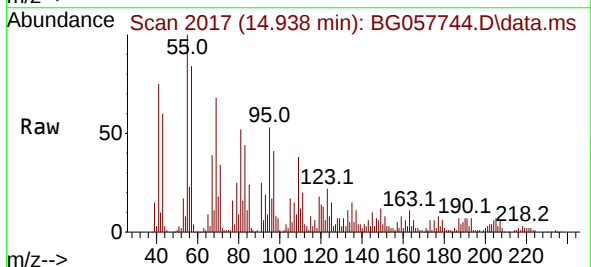
Instrument :
BNA_G
ClientSampleId :
DT-GW-1

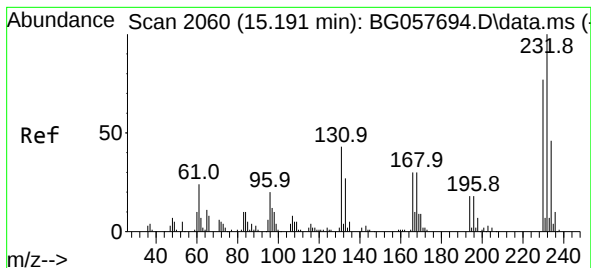
Tgt Ion:139 Resp: 665
Ion Ratio Lower Upper
139 100
109 824.2 67.3 107.3#
65 146.9 108.3 148.3



#57
2,4-Dinitrotoluene
Concen: 4.944 ng
RT: 14.938 min Scan# 2017
Delta R.T. 0.004 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

Tgt Ion:165 Resp: 1194
Ion Ratio Lower Upper
165 100
63 26.1 40.8 61.2#
89 15.7 68.5 102.7#
182 13.0 1.6 2.4#

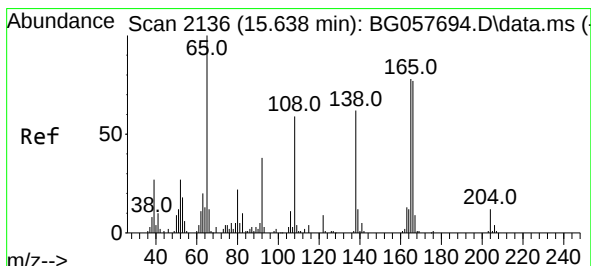
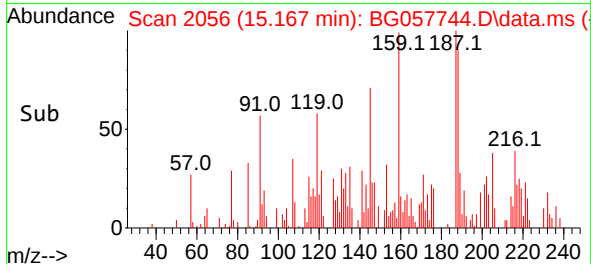
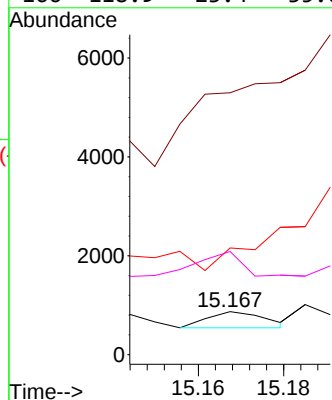
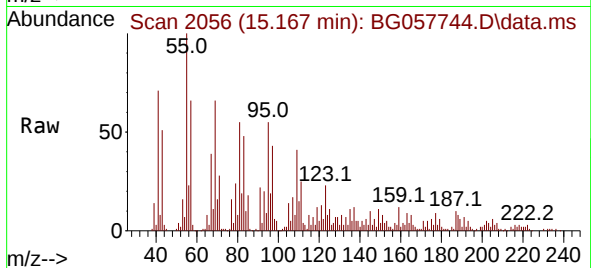




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.336 ng
RT: 15.167 min Scan# 2056
Delta R.T. -0.025 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

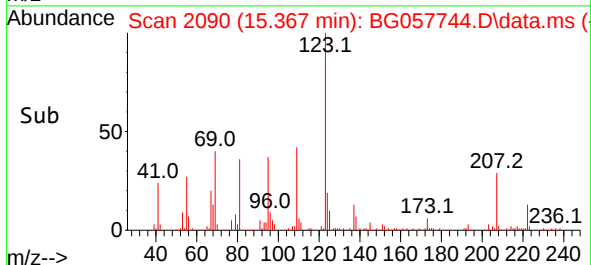
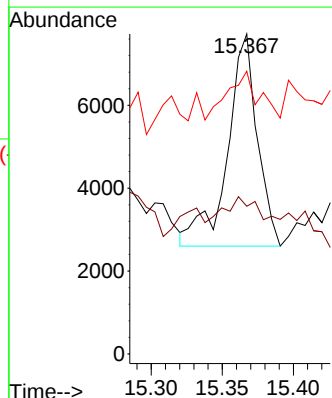
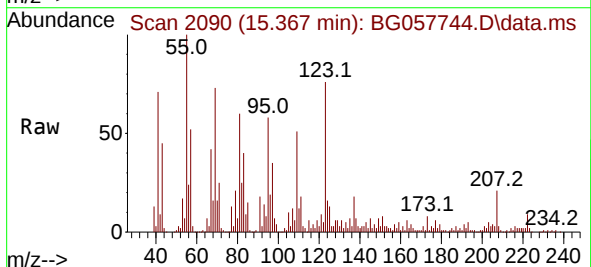
Instrument :
BNA_G
ClientSampleId :
DT-GW-1

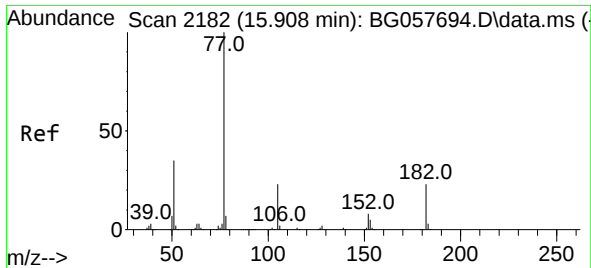
Tgt Ion:232 Resp: 307
Ion Ratio Lower Upper
232 100
131 0.0 32.6 49.0#
130 0.0 1.6 2.4#
166 118.9 23.4 35.0#



#62
4-Nitroaniline
Concen: 8.415 ng
RT: 15.367 min Scan# 2090
Delta R.T. -0.272 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

Tgt Ion:138 Resp: 7491
Ion Ratio Lower Upper
138 100
92 46.2 41.6 81.6
108 88.4 74.8 114.8

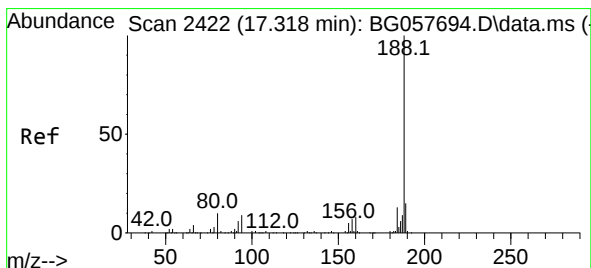
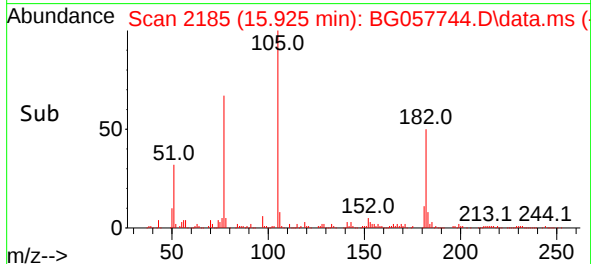
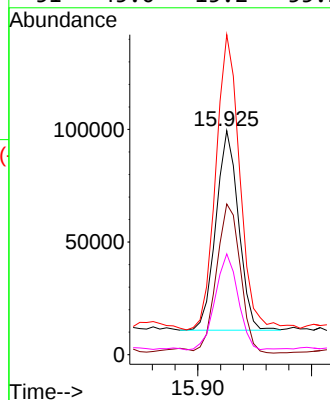
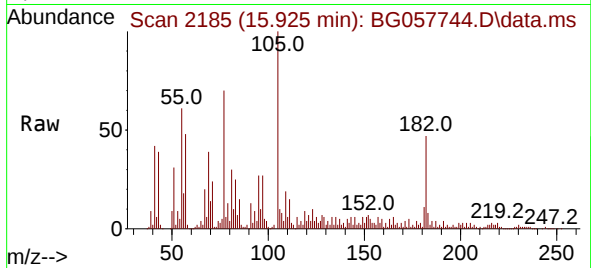




#63
Azobenzene
Concen: 11.964 ng
RT: 15.925 min Scan# 2185
Delta R.T. 0.016 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

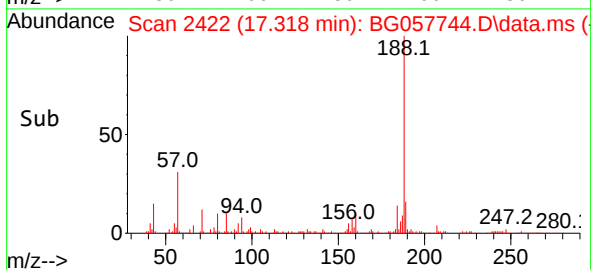
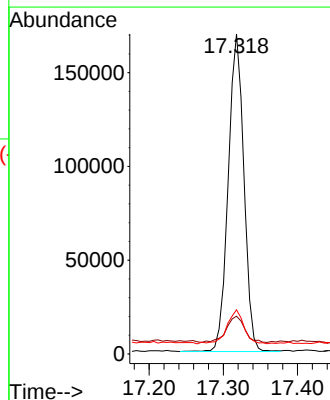
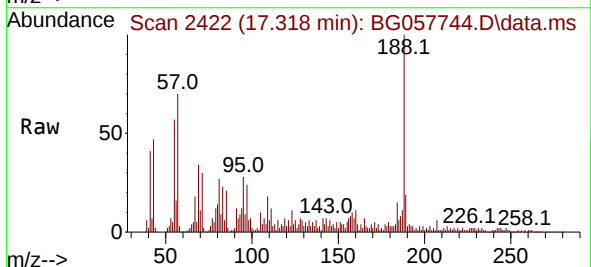
Instrument :
BNA_G
ClientSampleId :
DT-GW-1

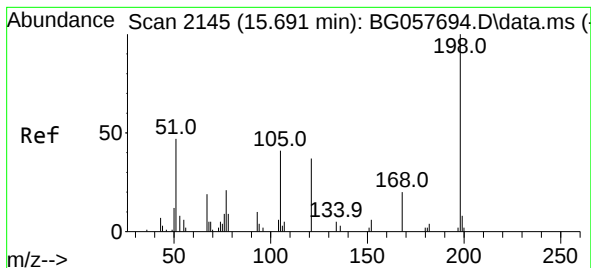
Tgt Ion: 77 Resp: 122415
Ion Ratio Lower Upper
77 100
182 67.3 3.2 43.2#
105 142.9 3.3 43.3#
51 45.0 15.2 55.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2422
Delta R.T. -0.002 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

Tgt Ion:188 Resp: 247888
Ion Ratio Lower Upper
188 100
94 11.8 6.9 10.3#
80 13.8 8.2 12.4#

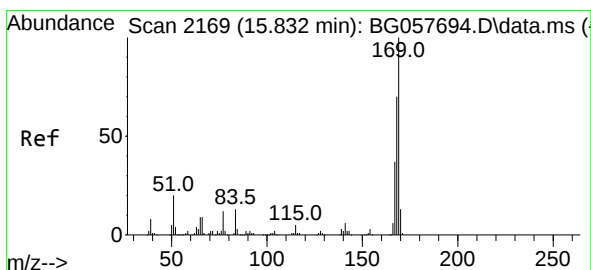
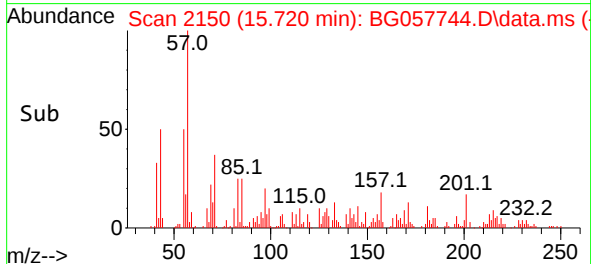
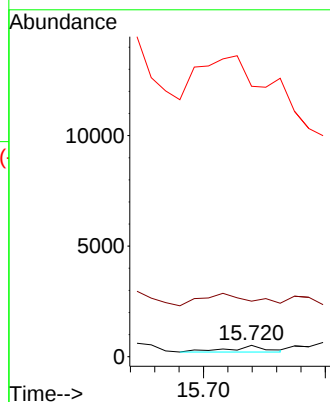
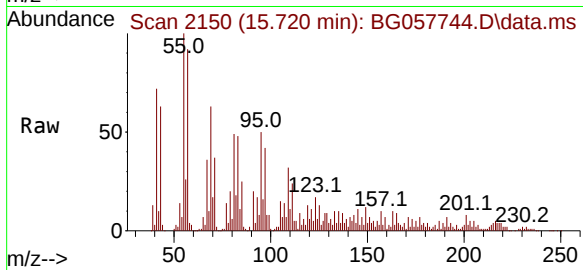




#65
 4,6-Dinitro-2-methylphenol
 Concen: 2.305 ng
 RT: 15.720 min Scan# 2145
 Delta R.T. 0.028 min
 Lab File: BG057744.D
 Acq: 16 Jun 2023 21:32

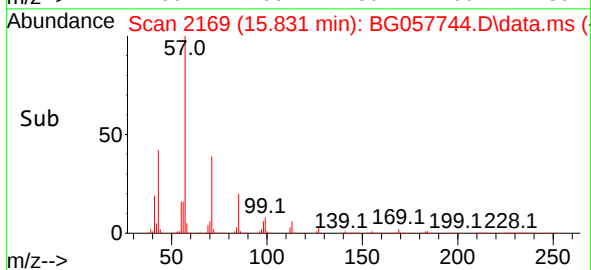
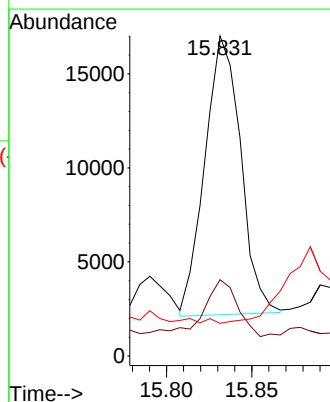
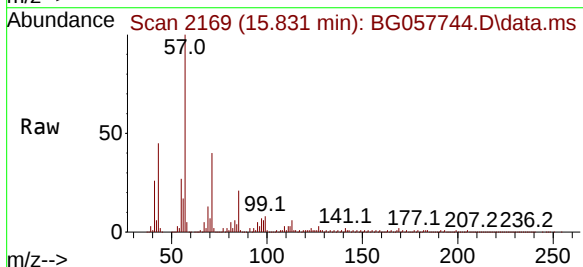
Instrument :
 BNA_G
 ClientSampleId :
 DT-GW-1

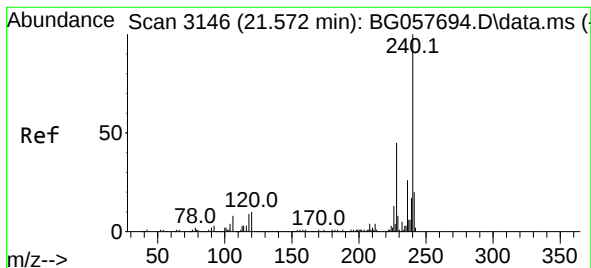
Tgt Ion:198 Resp: 306
 Ion Ratio Lower Upper
 198 100
 51 487.8 42.0 82.0#
 105 2375.7 30.9 70.9#



#66
 n-Nitrosodiphenylamine
 Concen: 3.342 ng
 RT: 15.831 min Scan# 2169
 Delta R.T. 0.004 min
 Lab File: BG057744.D
 Acq: 16 Jun 2023 21:32

Tgt Ion:169 Resp: 21658
 Ion Ratio Lower Upper
 169 100
 168 23.9 55.8 83.6#
 167 10.2 30.1 45.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.566 min Scan# 3146

Delta R.T. -0.007 min

Lab File: BG057744.D

Acq: 16 Jun 2023 21:32

Instrument :

BNA_G

ClientSampleId :

DT-GW-1

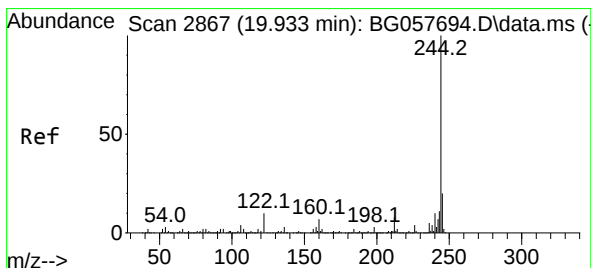
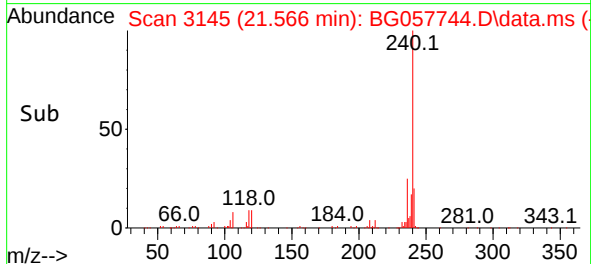
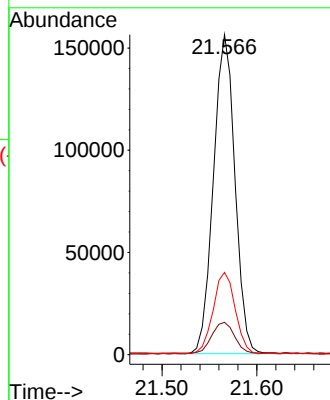
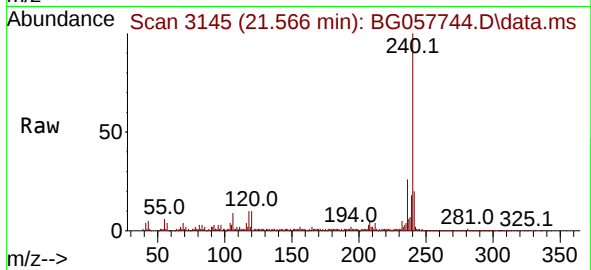
Tgt Ion:240 Resp: 246509

Ion Ratio Lower Upper

240 100

120 10.1 8.1 12.1

236 25.7 20.7 31.1



#79

Terphenyl-d14

Concen: 43.750 ng

RT: 19.932 min Scan# 2867

Delta R.T. -0.002 min

Lab File: BG057744.D

Acq: 16 Jun 2023 21:32

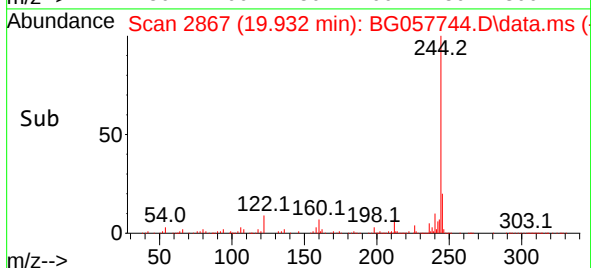
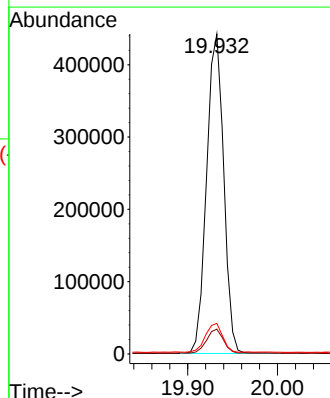
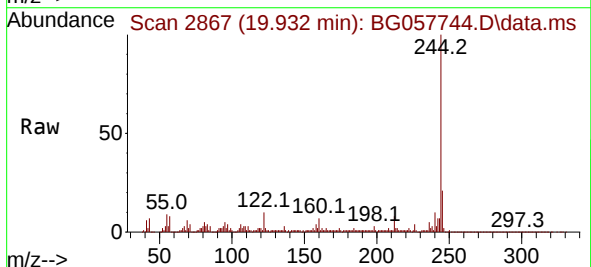
Tgt Ion:244 Resp: 583324

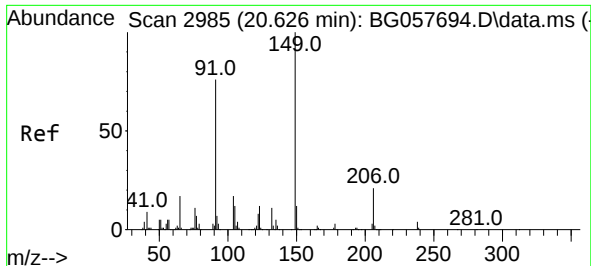
Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 9.6 7.7 11.5

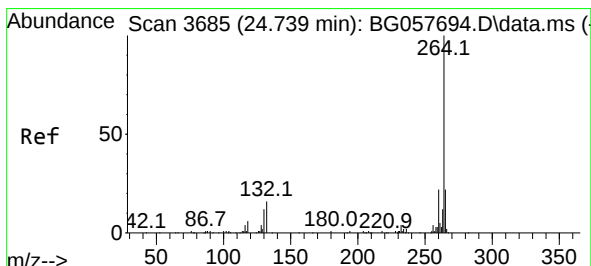
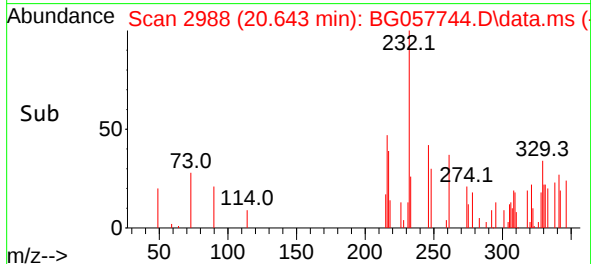
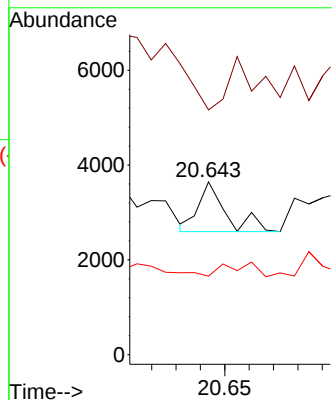
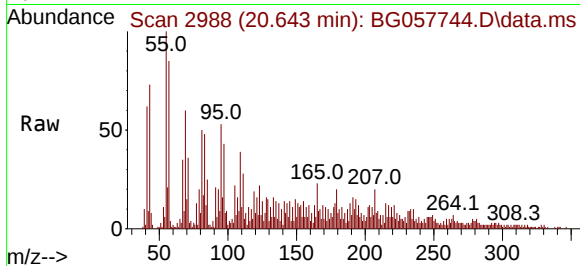




#80
Butylbenzylphthalate
Concen: 4.224 ng
RT: 20.643 min Scan# 2985
Delta R.T. 0.016 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

Instrument :
BNA_G
ClientSampleId :
DT-GW-1

Tgt Ion:149 Resp: 817
Ion Ratio Lower Upper
149 100
91 141.6 60.8 91.2#
206 45.5 16.8 25.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.721 min Scan# 3682
Delta R.T. -0.013 min
Lab File: BG057744.D
Acq: 16 Jun 2023 21:32

Tgt Ion:264 Resp: 315218
Ion Ratio Lower Upper
264 100
260 22.8 17.3 25.9
265 22.8 17.5 26.3

