

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080823\
 Data File : BG058645.D
 Acq On : 8 Aug 2023 16:28
 Operator : MA/JU
 Sample : 03903-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-01W

Quant Time: Aug 09 04:11:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

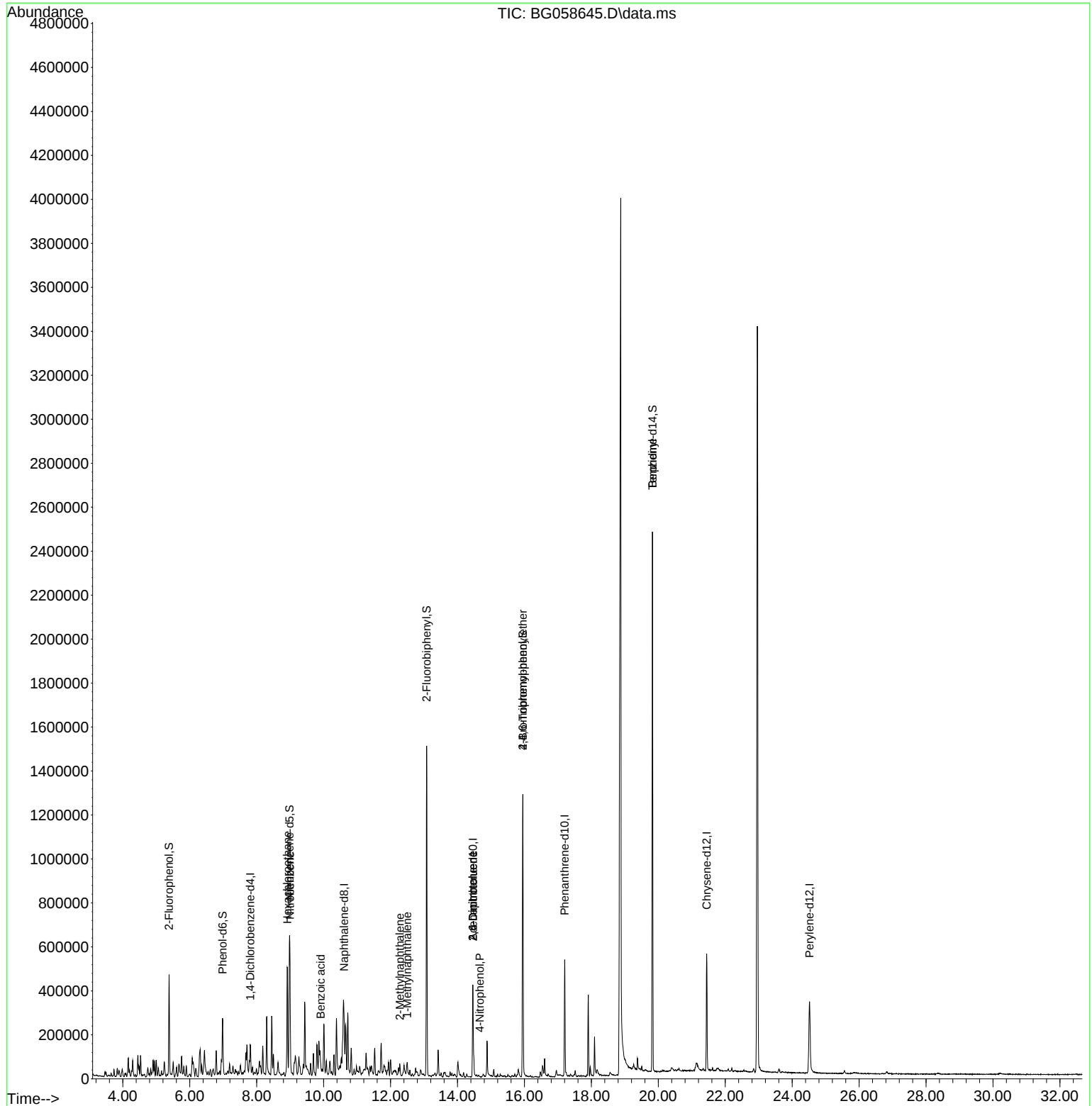
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	37864	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	179624	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	143337	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	342847	20.000	ng	0.00
76) Chrysene-d12	21.445	240	304502	20.000	ng	0.00
86) Perylene-d12	24.518	264	369749	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.382	112	176265	71.153	ng	0.00
7) Phenol-d6	6.980	99	163823	47.525	ng	0.00
23) Nitrobenzene-d5	8.978	82	316736	86.624	ng	0.00
42) 2,4,6-Tribromophenol	15.952	330	292804	124.630	ng	0.00
45) 2-Fluorobiphenyl	13.079	172	803465	84.003	ng	0.00
79) Terphenyl-d14	19.830	244	1319392	81.482	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	8.919	117	43645	46.083	ng	# 1
24) Nitrobenzene	8.995	77	12591	3.387	ng	# 1
32) Benzoic acid	9.912	122	23013	14.726	ng	95
37) 2-Methylnaphthalene	12.280	142	28361	4.188	ng	97
38) 1-Methylnaphthalene	12.497	142	25378	3.942	ng	98
51) 2,6-Dinitrotoluene	14.459	165	18353	7.770	ng	# 28
56) 4-Nitrophenol	14.665	139	76	3.367	ng	# 74
57) 2,4-Dinitrotoluene	14.459	165	18353	5.605	ng	# 28
67) 4-Bromophenyl-phenylether	15.952	248	18049	4.641	ng	# 1
77) Benzidine	19.824	184	16846	3.648	ng	# 94

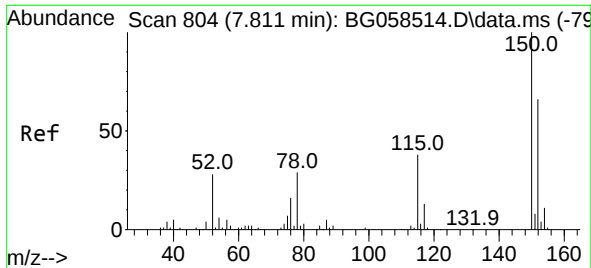
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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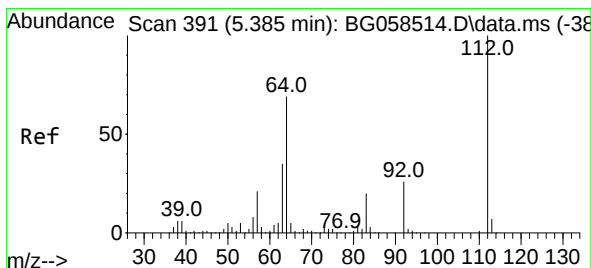
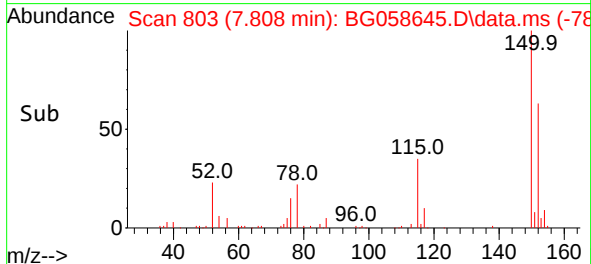
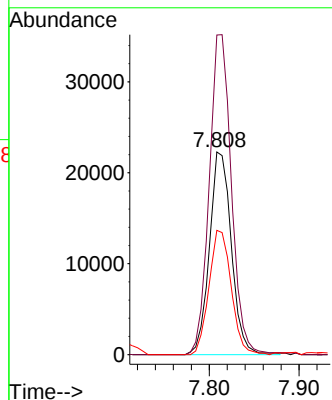
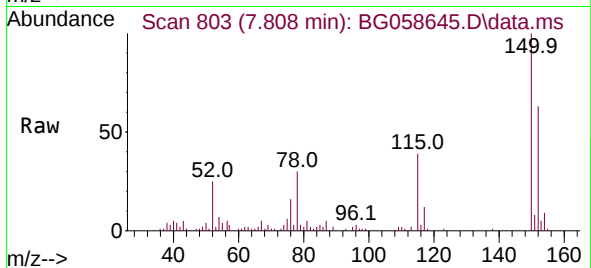




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

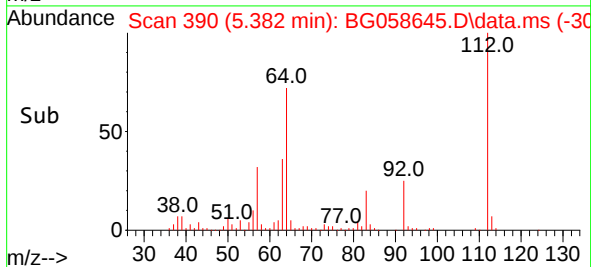
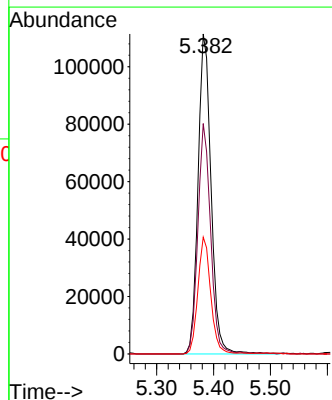
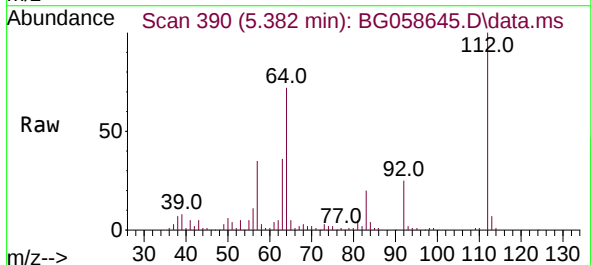
Instrument :
BNA_G
ClientSampleId :
MW-01W

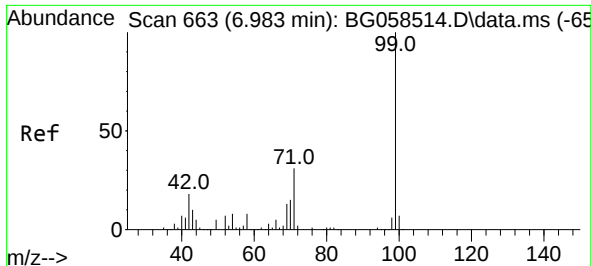
Tgt Ion:152 Resp: 37864
Ion Ratio Lower Upper
152 100
150 157.7 120.5 180.7
115 61.3 45.9 68.9



#5
2-Fluorophenol
Concen: 71.153 ng
RT: 5.382 min Scan# 390
Delta R.T. -0.003 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

Tgt Ion:112 Resp: 176265
Ion Ratio Lower Upper
112 100
64 72.0 55.3 82.9
63 36.5 28.3 42.5

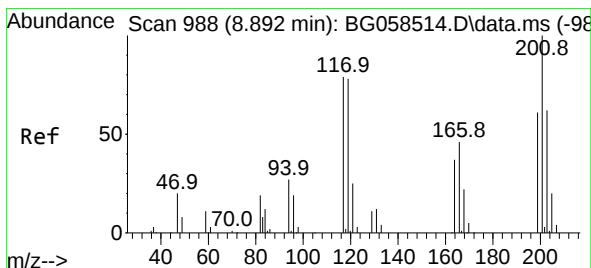
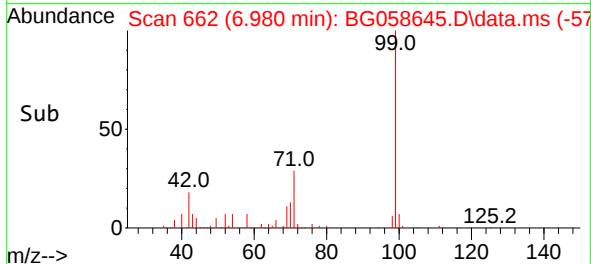
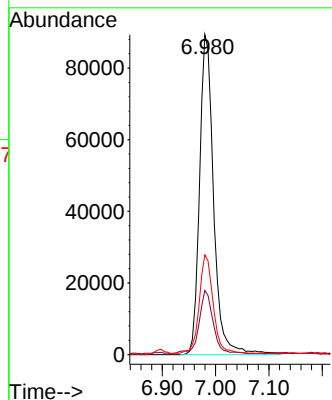
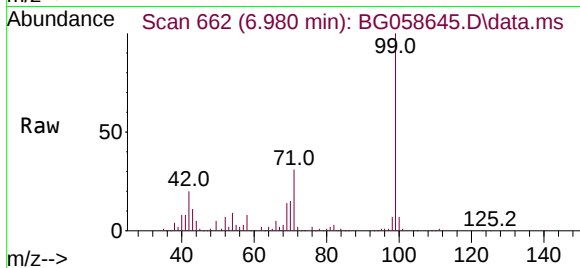




#7
Phenol-d6
Concen: 47.525 ng
RT: 6.980 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

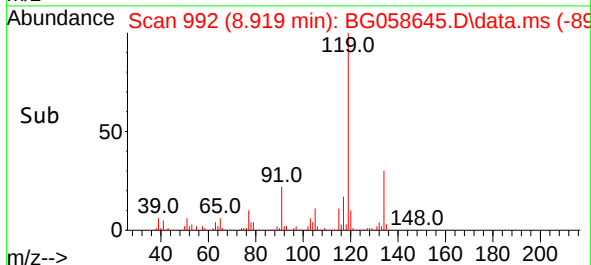
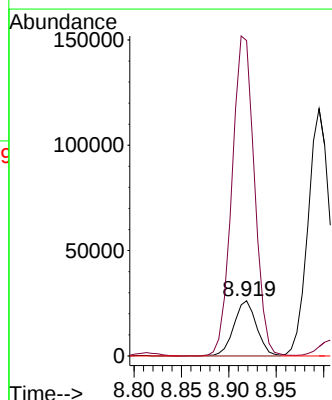
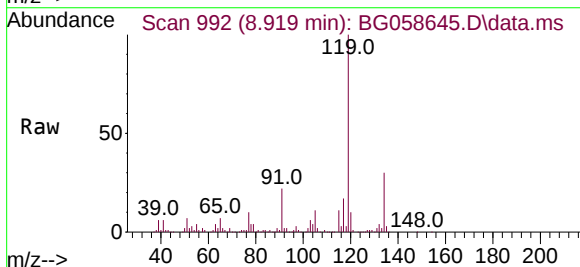
Instrument :
BNA_G
ClientSampleId :
MW-01W

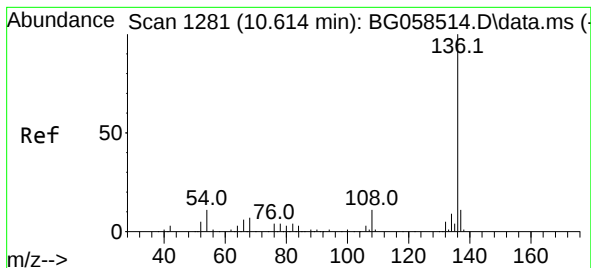
Tgt Ion: 99 Resp: 163823
Ion Ratio Lower Upper
99 100
42 20.0 14.6 21.8
71 31.2 25.0 37.4



#18
Hexachloroethane
Concen: 46.083 ng
RT: 8.919 min Scan# 992
Delta R.T. 0.027 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

Tgt Ion: 117 Resp: 43645
Ion Ratio Lower Upper
117 100
119 571.5 78.6 117.8#
201 0.0 101.4 152.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.611 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG058645.D

Acq: 8 Aug 2023 16:28

Instrument :

BNA_G

ClientSampleId :

MW-01W

Tgt Ion:136 Resp: 179624

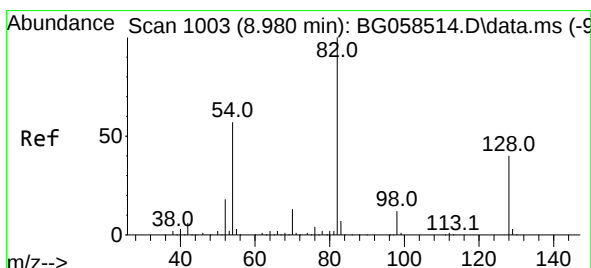
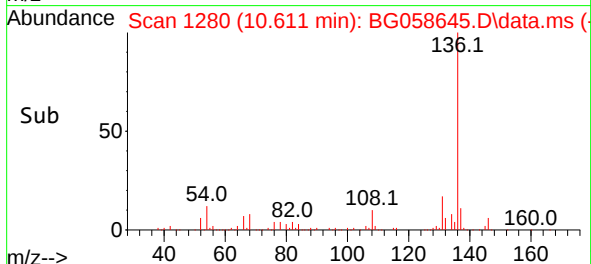
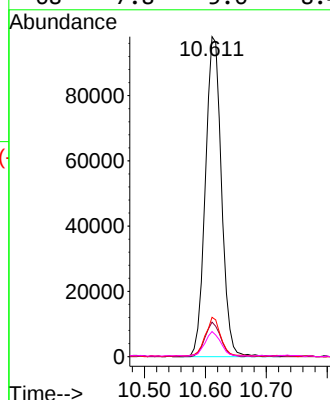
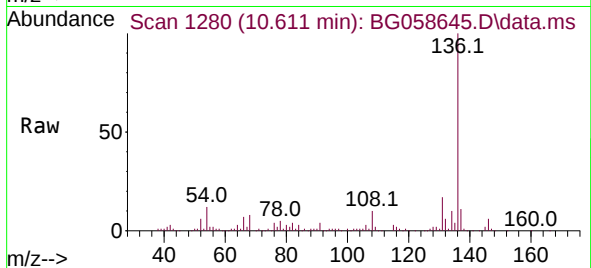
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 12.3 8.9 13.3

68 7.8 5.6 8.4



#23

Nitrobenzene-d5

Concen: 86.624 ng

RT: 8.978 min Scan# 1002

Delta R.T. -0.003 min

Lab File: BG058645.D

Acq: 8 Aug 2023 16:28

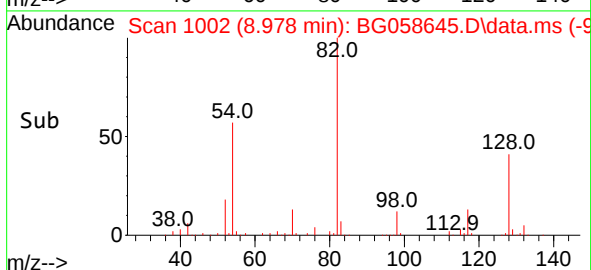
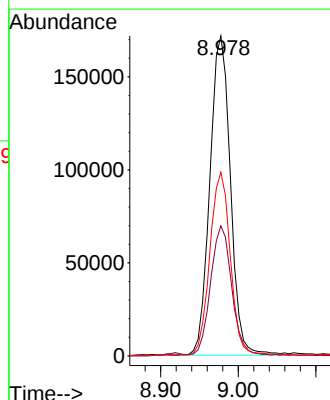
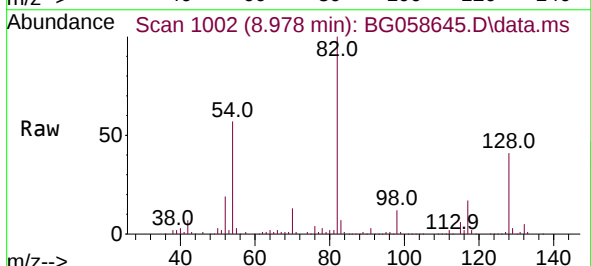
Tgt Ion: 82 Resp: 316736

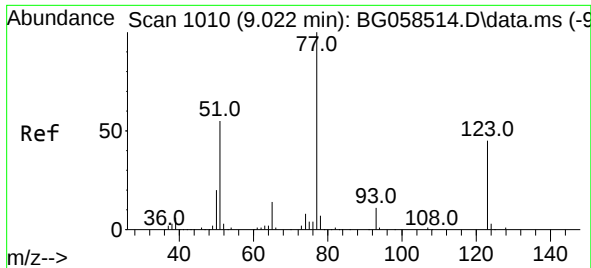
Ion Ratio Lower Upper

82 100

128 40.6 32.2 48.2

54 57.4 46.0 69.0

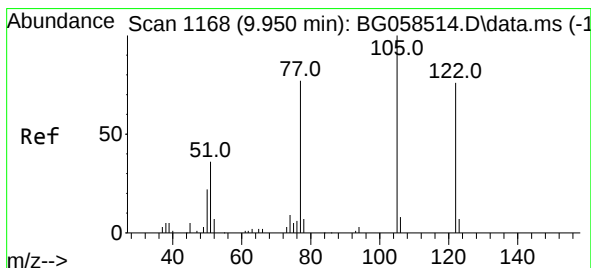
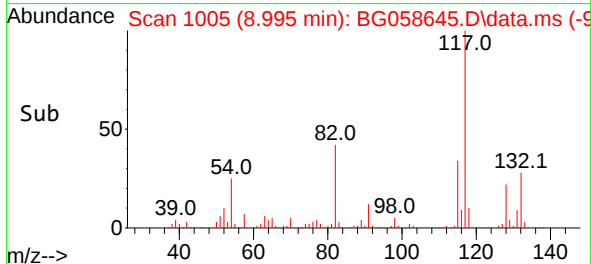
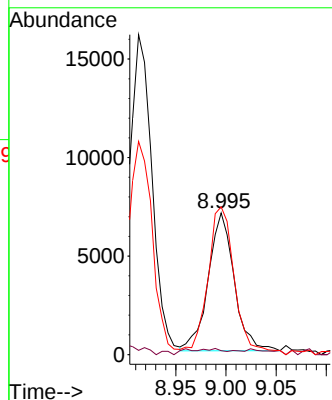
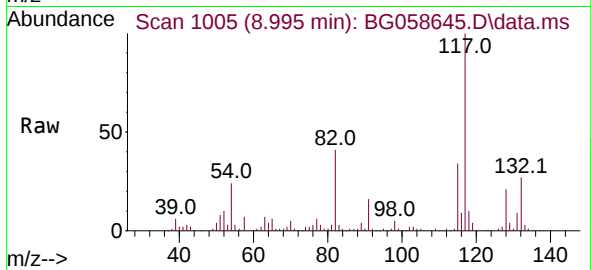




#24
Nitrobenzene
Concen: 3.387 ng
RT: 8.995 min Scan# 1010
Delta R.T. -0.026 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

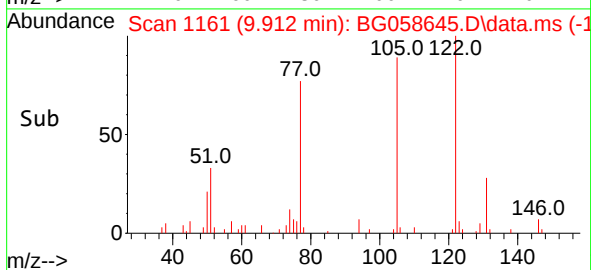
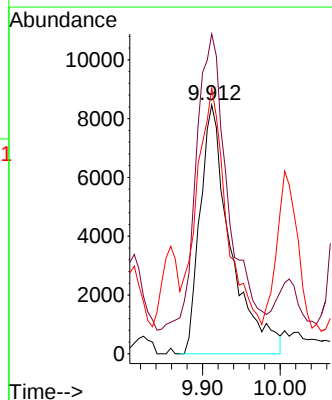
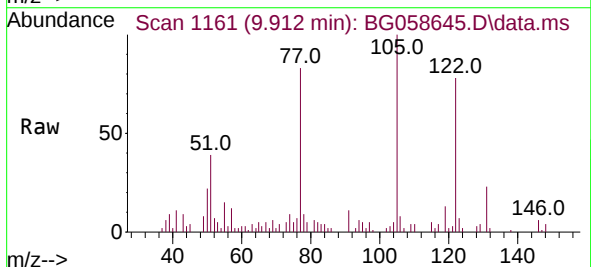
Instrument :
BNA_G
ClientSampleId :
MW-01W

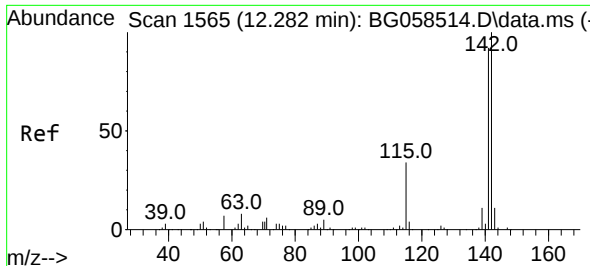
Tgt Ion: 77 Resp: 12591
Ion Ratio Lower Upper
77 100
123 2.7 35.6 53.4#
65 104.3 11.4 17.0#



#32
Benzoic acid
Concen: 14.726 ng
RT: 9.912 min Scan# 1161
Delta R.T. -0.038 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

Tgt Ion:122 Resp: 23013
Ion Ratio Lower Upper
122 100
105 128.6 106.5 146.5
77 106.8 78.1 118.1

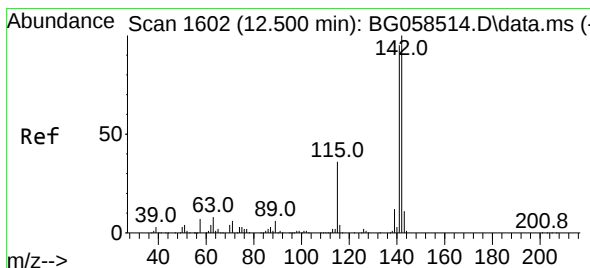
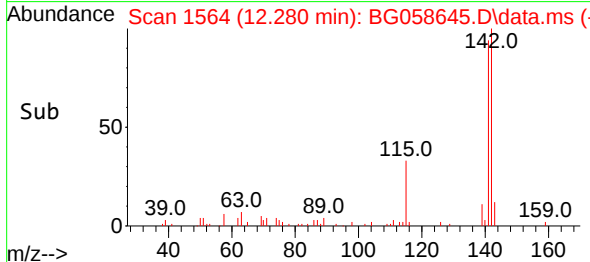
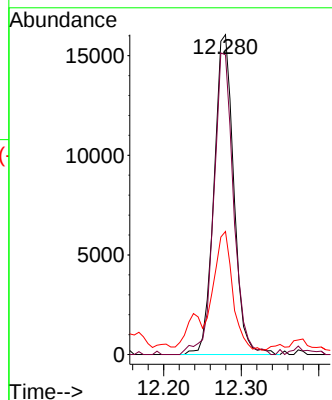
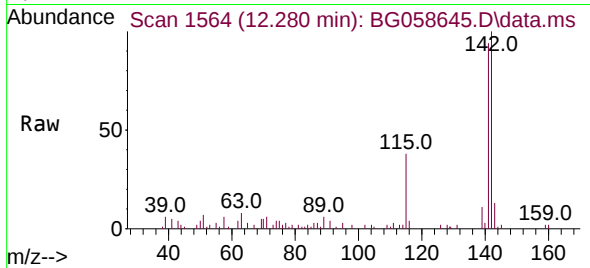




#37
2-Methylnaphthalene
Concen: 4.188 ng
RT: 12.280 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

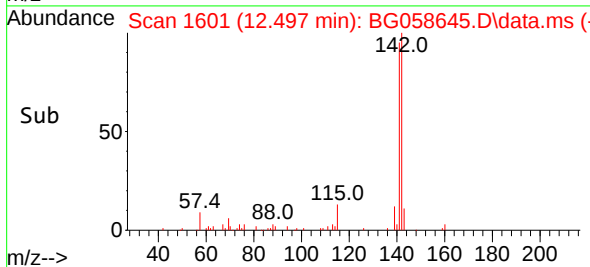
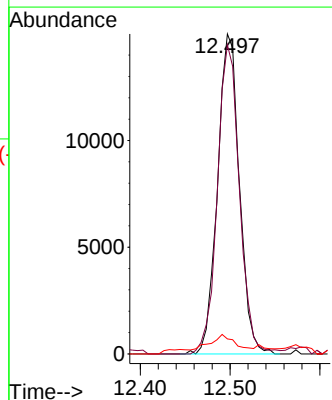
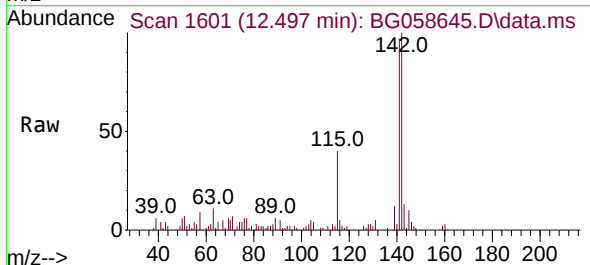
Instrument :
BNA_G
ClientSampleId :
MW-01W

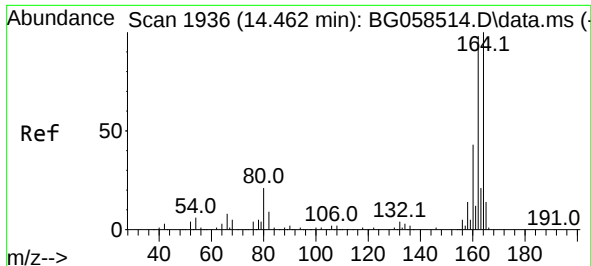
Tgt Ion:142 Resp: 28361
Ion Ratio Lower Upper
142 100
141 93.7 73.5 110.3
115 38.5 27.4 41.0



#38
1-Methylnaphthalene
Concen: 3.942 ng
RT: 12.497 min Scan# 1601
Delta R.T. -0.003 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

Tgt Ion:142 Resp: 25378
Ion Ratio Lower Upper
142 100
141 96.6 75.7 113.5
116 4.7 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.459 min Scan# 1935

Delta R.T. -0.003 min

Lab File: BG058645.D

Acq: 8 Aug 2023 16:28

Instrument :

BNA_G

ClientSampleId :

MW-01W

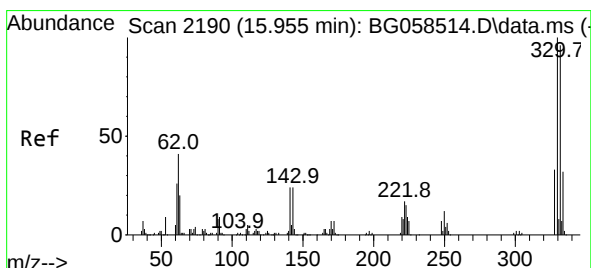
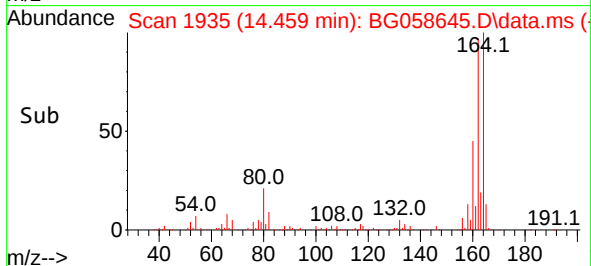
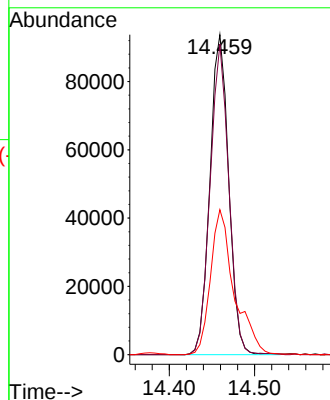
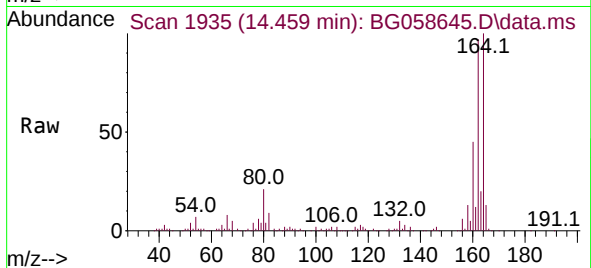
Tgt Ion:164 Resp: 143337

Ion Ratio Lower Upper

164 100

162 97.0 78.3 117.5

160 45.3 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 124.630 ng

RT: 15.952 min Scan# 2189

Delta R.T. -0.003 min

Lab File: BG058645.D

Acq: 8 Aug 2023 16:28

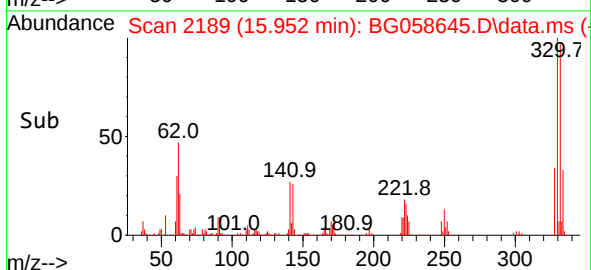
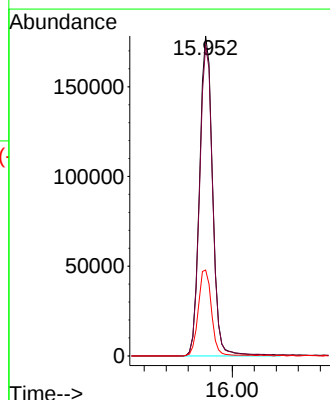
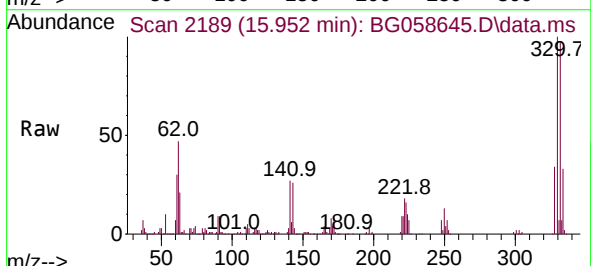
Tgt Ion:330 Resp: 292804

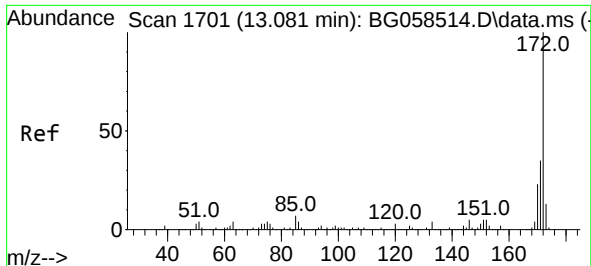
Ion Ratio Lower Upper

330 100

332 97.3 77.5 116.3

141 27.4 20.7 31.1

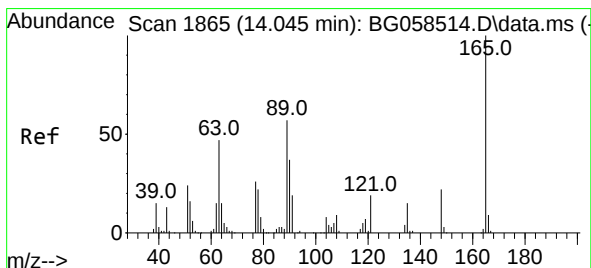
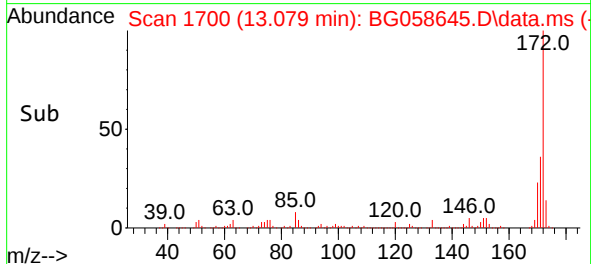
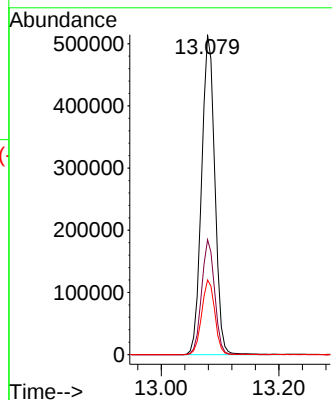
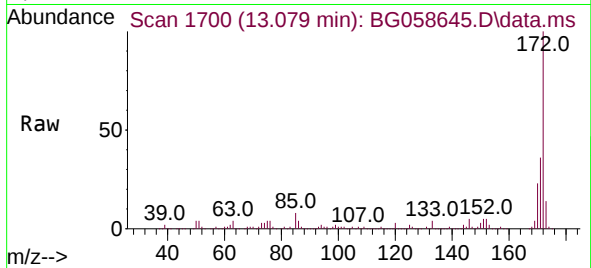




#45
2-Fluorobiphenyl
Concen: 84.003 ng
RT: 13.079 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

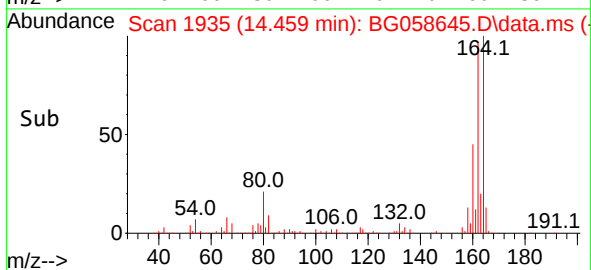
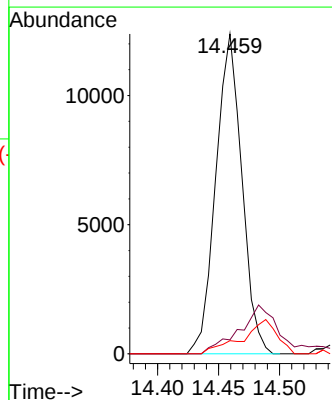
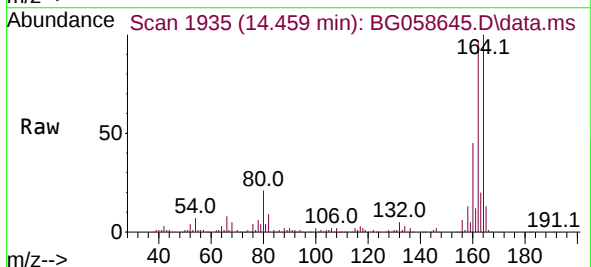
Instrument :
BNA_G
ClientSampleId :
MW-01W

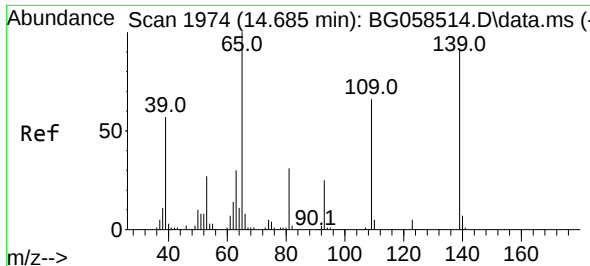
Tgt Ion:172 Resp: 803465
Ion Ratio Lower Upper
172 100
171 35.9 28.0 42.0
170 23.3 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.770 ng
RT: 14.459 min Scan# 1935
Delta R.T. 0.414 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

Tgt Ion:165 Resp: 18353
Ion Ratio Lower Upper
165 100
63 4.4 46.4 69.6#
89 4.1 45.3 67.9#

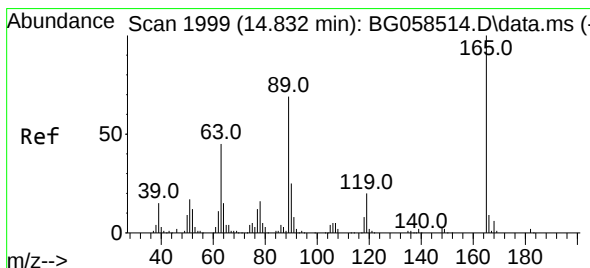
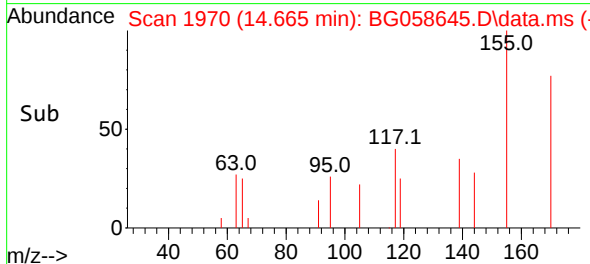
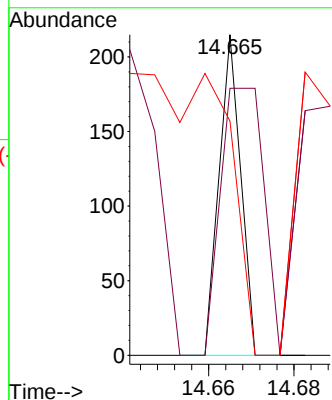
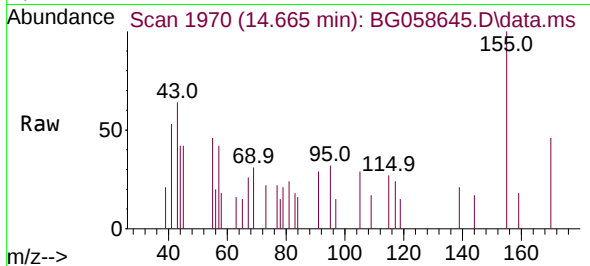




#56
4-Nitrophenol
Concen: 3.367 ng
RT: 14.665 min Scan# 1974
Delta R.T. -0.020 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

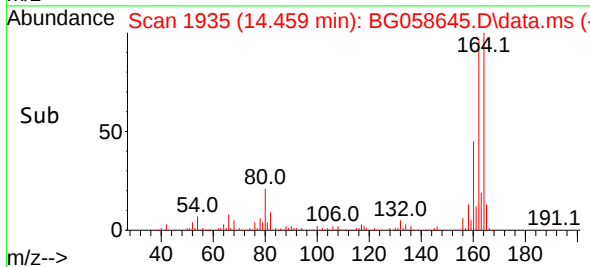
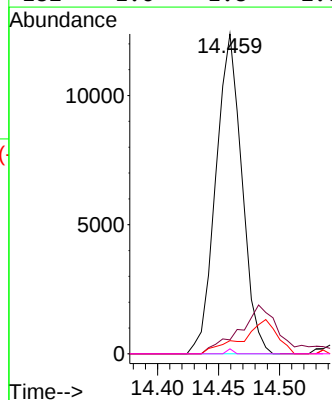
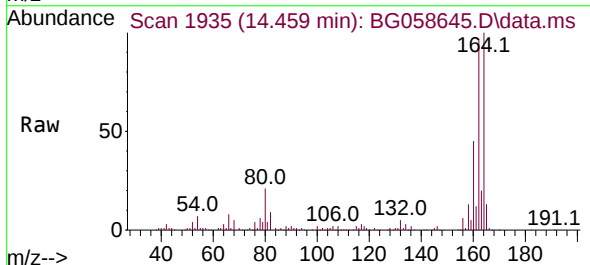
Instrument :
BNA_G
ClientSampleId :
MW-01W

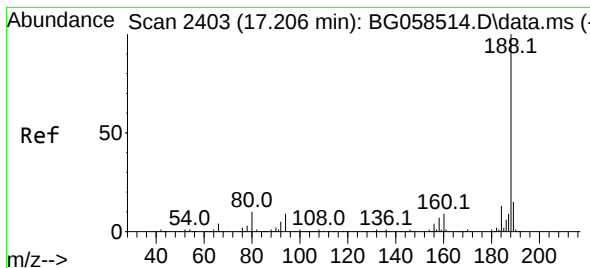
Tgt Ion:139 Resp: 76
Ion Ratio Lower Upper
139 100
109 83.3 52.5 92.5
65 73.0 90.5 130.5#



#57
2,4-Dinitrotoluene
Concen: 5.605 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.373 min
Lab File: BG058645.D
Acq: 8 Aug 2023 16:28

Tgt Ion:165 Resp: 18353
Ion Ratio Lower Upper
165 100
63 4.4 36.6 54.8#
89 4.1 55.4 83.0#
182 1.6 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.203 min Scan# 24

Delta R.T. -0.003 min

Lab File: BG058645.D

Acq: 8 Aug 2023 16:28

Instrument :

BNA_G

ClientSampleId :

MW-01W

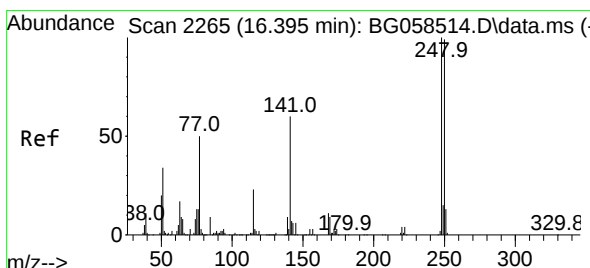
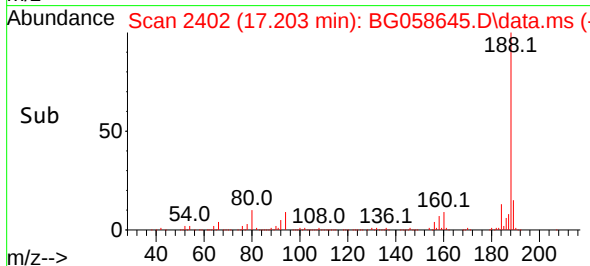
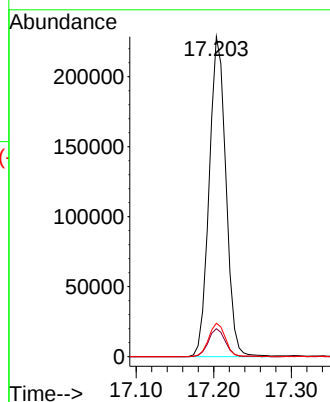
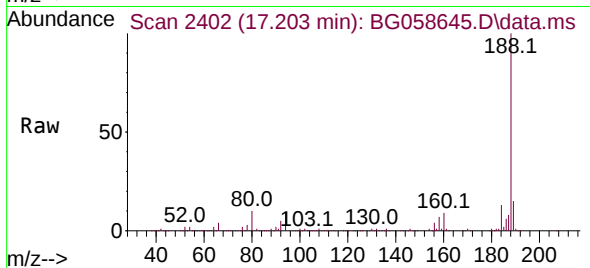
Tgt Ion:188 Resp: 342847

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

80 10.4 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 4.641 ng

RT: 15.952 min Scan# 2189

Delta R.T. -0.444 min

Lab File: BG058645.D

Acq: 8 Aug 2023 16:28

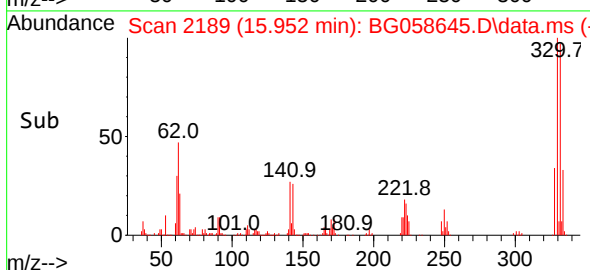
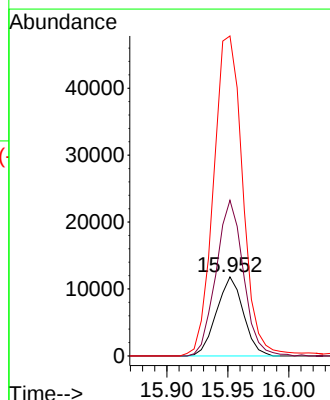
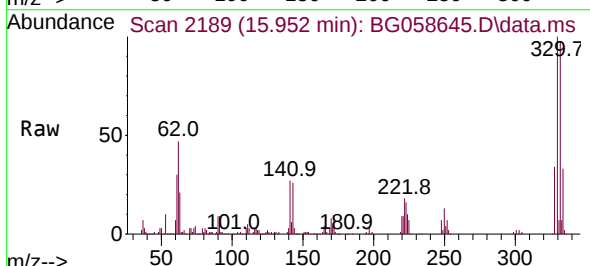
Tgt Ion:248 Resp: 18049

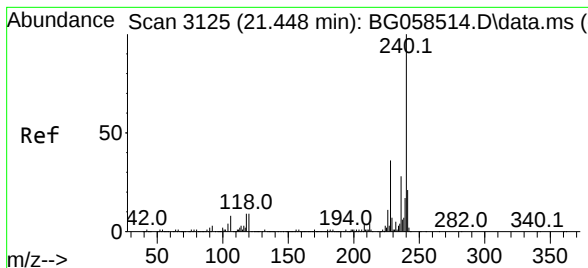
Ion Ratio Lower Upper

248 100

250 197.1 79.5 119.3#

141 405.4 48.2 72.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.445 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG058645.D

Acq: 8 Aug 2023 16:28

Instrument :

BNA_G

ClientSampleId :

MW-01W

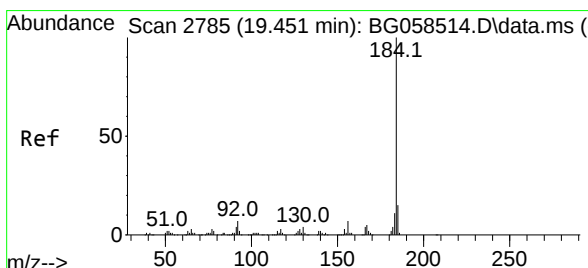
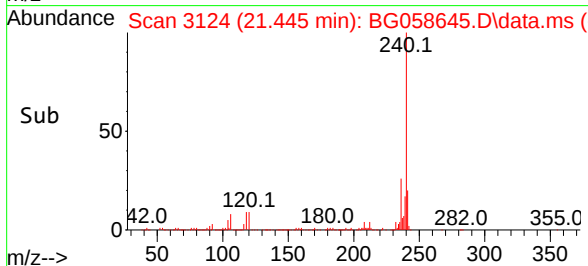
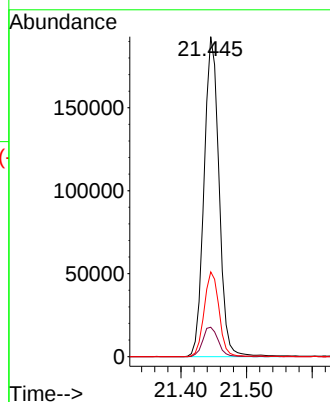
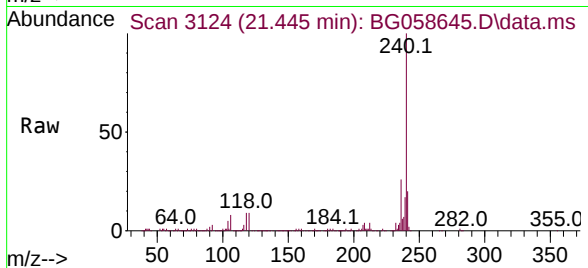
Tgt Ion:240 Resp: 304502

Ion Ratio Lower Upper

240 100

120 9.2 7.4 11.0

236 26.5 22.2 33.4



#77

Benzidine

Concen: 3.648 ng

RT: 19.824 min Scan# 2848

Delta R.T. 0.373 min

Lab File: BG058645.D

Acq: 8 Aug 2023 16:28

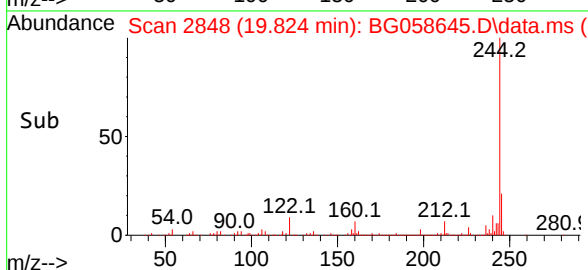
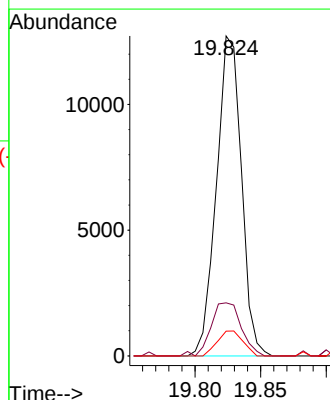
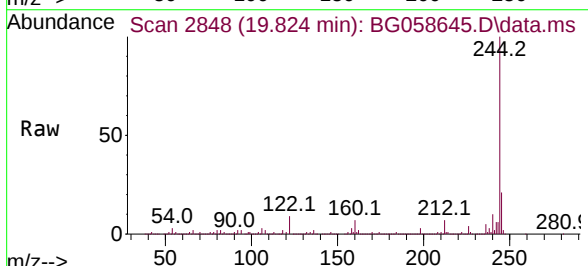
Tgt Ion:184 Resp: 16846

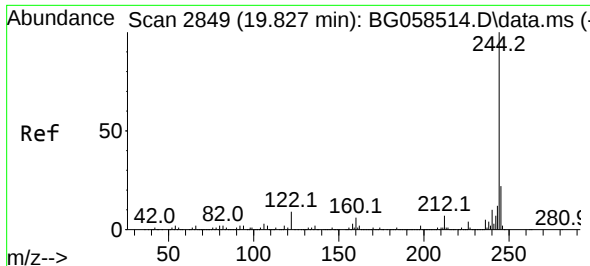
Ion Ratio Lower Upper

184 100

185 16.6 11.9 17.9

183 7.7 8.7 13.1#

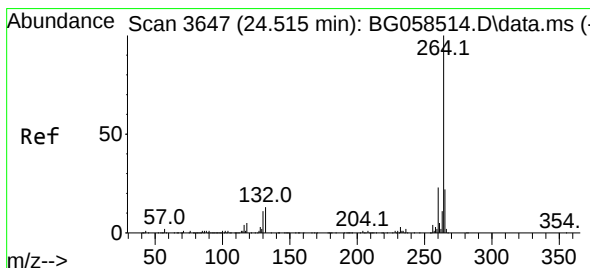
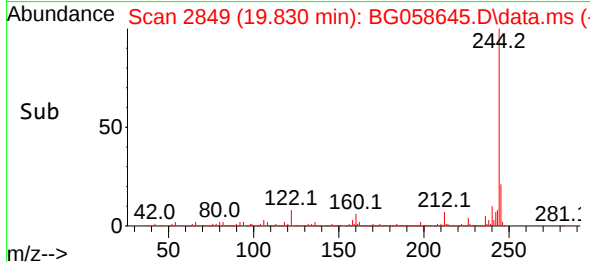
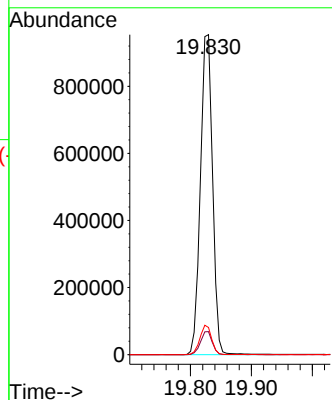
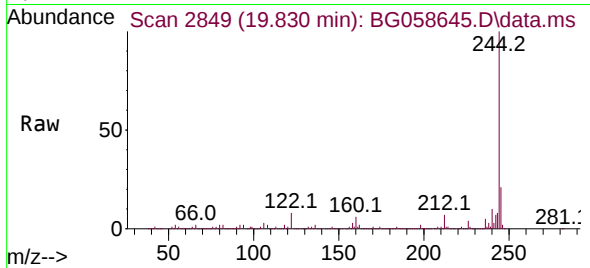




#79
 Terphenyl-d14
 Concen: 81.482 ng
 RT: 19.830 min Scan# 2849
 Delta R.T. 0.003 min
 Lab File: BG058645.D
 Acq: 8 Aug 2023 16:28

Instrument :
 BNA_G
 ClientSampleId :
 MW-01W

Tgt Ion:244 Resp: 1319392
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 8.5 6.8 10.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.518 min Scan# 3647
 Delta R.T. 0.003 min
 Lab File: BG058645.D
 Acq: 8 Aug 2023 16:28

Tgt Ion:264 Resp: 369749
 Ion Ratio Lower Upper
 264 100
 260 22.2 18.4 27.6
 265 20.5 17.9 26.9

