

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081023\
 Data File : BG058683.D
 Acq On : 10 Aug 2023 17:44
 Operator : MA/JU
 Sample : 03944-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-S-20230808

Quant Time: Aug 11 01:56:26 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)

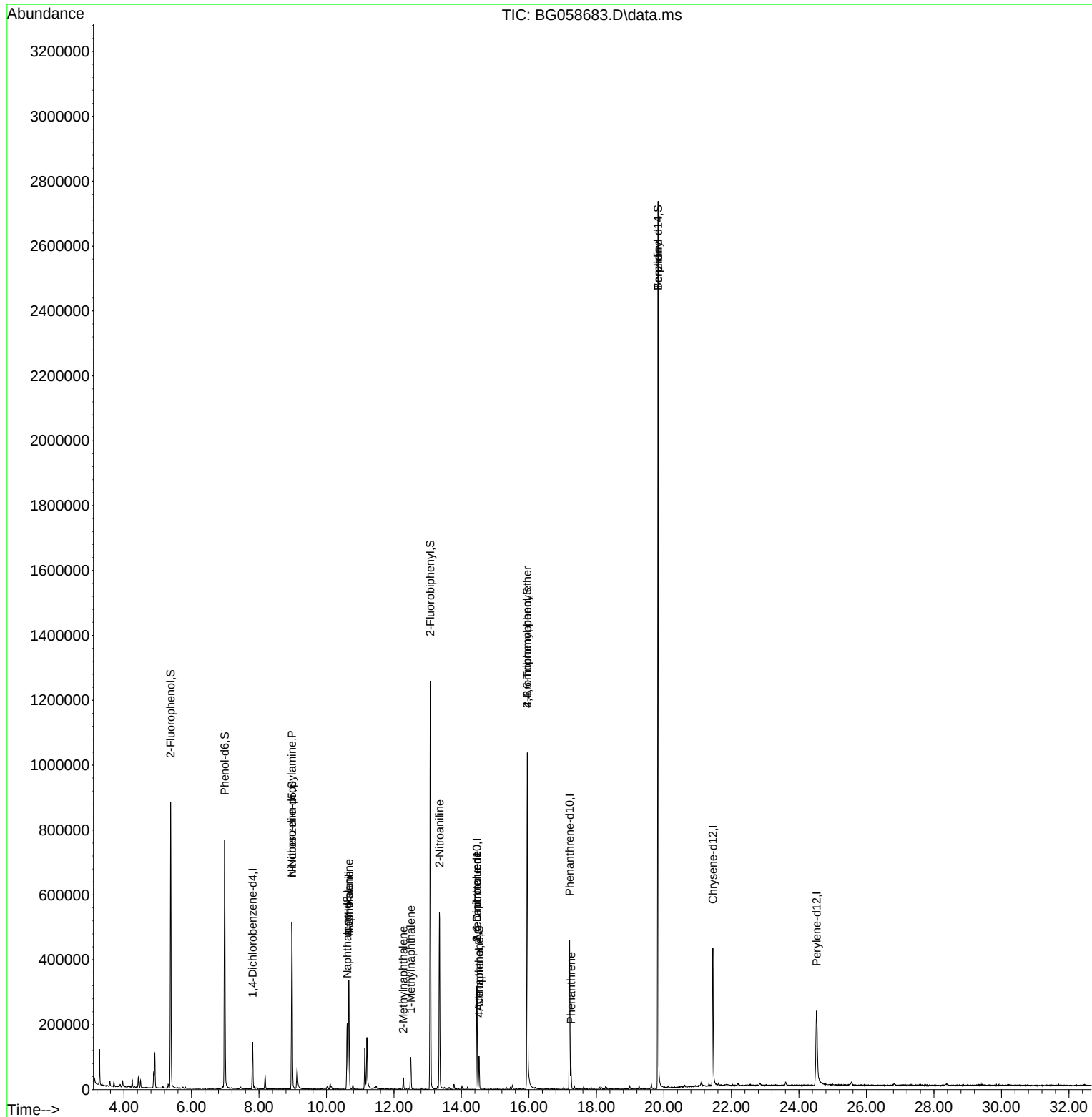
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	40316	20.000	ng	0.00
21) Naphthalene-d8	10.615	136	167376	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	117319	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	316984	20.000	ng	0.00
76) Chrysene-d12	21.449	240	284235	20.000	ng	0.00
86) Perylene-d12	24.522	264	322608	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.386	112	363875	137.952	ng	0.00
7) Phenol-d6	6.984	99	467207	127.294	ng	0.00
23) Nitrobenzene-d5	8.976	82	323214	94.864	ng	0.00
42) 2,4,6-Tribromophenol	15.950	330	262014	136.257	ng	0.00
45) 2-Fluorobiphenyl	13.077	172	719600	91.919	ng	0.00
79) Terphenyl-d14	19.827	244	1472812	97.443	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.976	70	40768	17.196	ng	# 80
31) Naphthalene	10.662	128	282477	32.021	ng	99
33) 4-Chloroaniline	10.662	127	37534	10.070	ng	# 35
37) 2-Methylnaphthalene	12.278	142	17165	2.720	ng	97
38) 1-Methylnaphthalene	12.501	142	48060	8.012	ng	98
48) 2-Nitroaniline	13.347	65	10315	4.302	ng	# 18
51) 2,6-Dinitrotoluene	14.457	165	15446	7.990	ng	# 25
52) Acenaphthene	14.522	154	35833	5.896	ng	94
56) 4-Nitrophenol	14.528	139	300	3.526	ng	# 3
57) 2,4-Dinitrotoluene	14.457	165	15446	5.763	ng	# 25
67) 4-Bromophenyl-phenylether	15.950	248	16084	4.474	ng	# 1
71) Phenanthrene	17.248	178	38285	2.547	ng	99
77) Benzidine	19.827	184	18211	4.225	ng	# 93

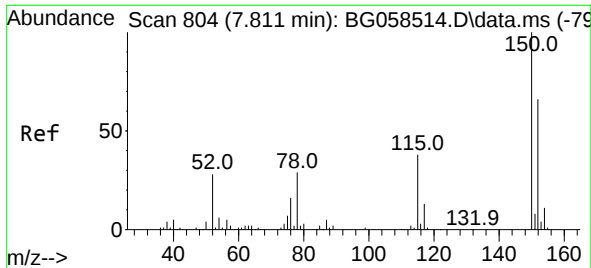
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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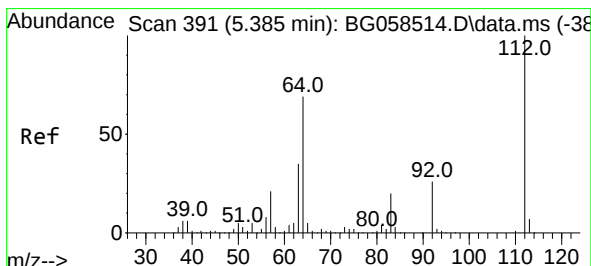
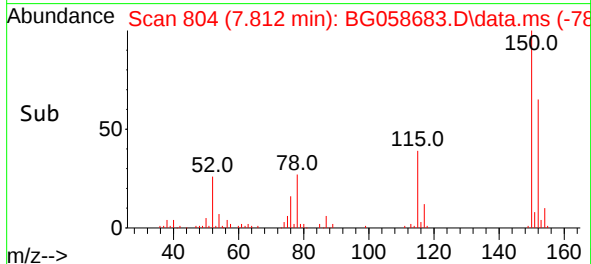
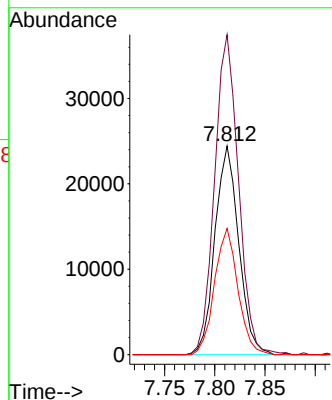
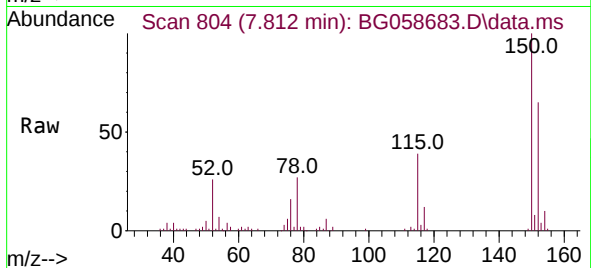




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

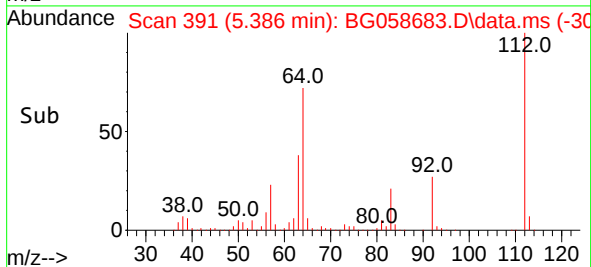
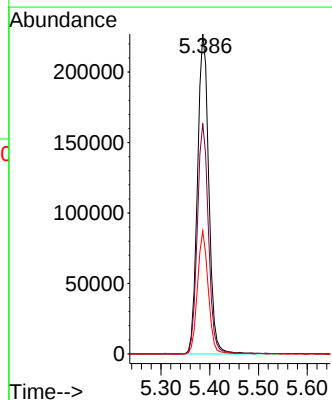
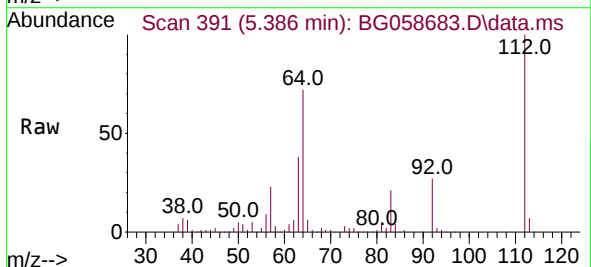
Instrument :
BNA_G
ClientSampleId :
IDW-S-20230808

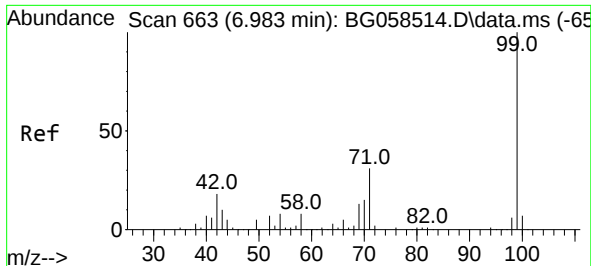
Tgt Ion:152 Resp: 40316
Ion Ratio Lower Upper
152 100
150 153.4 120.5 180.7
115 60.5 45.9 68.9



#5
2-Fluorophenol
Concen: 137.952 ng
RT: 5.386 min Scan# 391
Delta R.T. 0.001 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

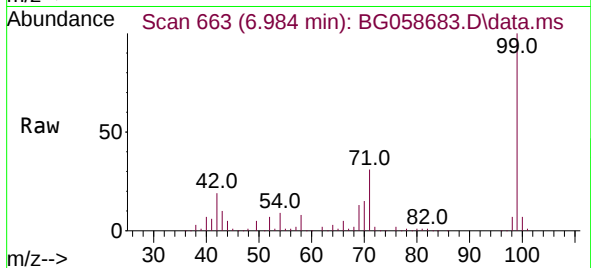
Tgt Ion:112 Resp: 363875
Ion Ratio Lower Upper
112 100
64 72.0 55.3 82.9
63 38.4 28.3 42.5



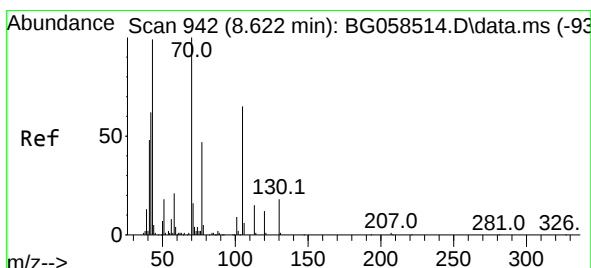
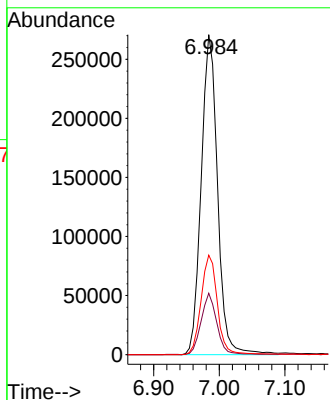
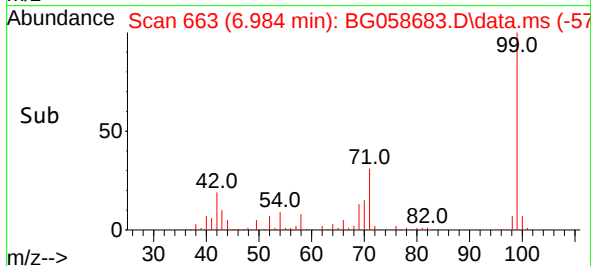


#7
Phenol-d6
Concen: 127.294 ng
RT: 6.984 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

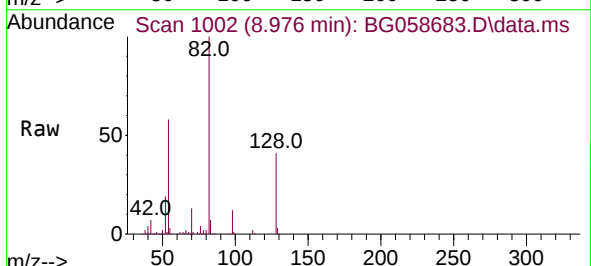
Instrument :
BNA_G
ClientSampleId :
IDW-S-20230808



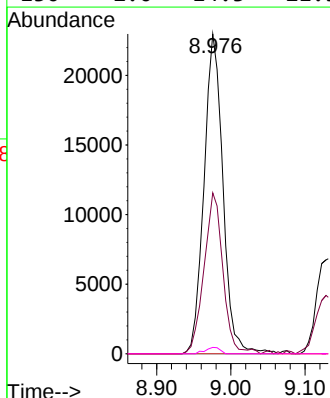
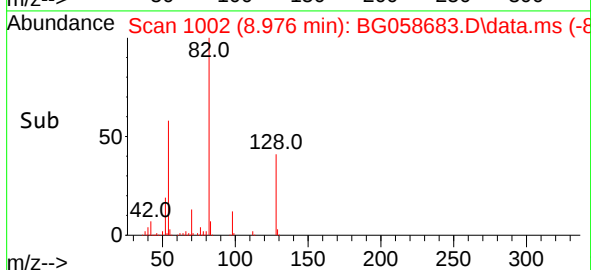
Tgt Ion: 99 Resp: 467207
Ion Ratio Lower Upper
99 100
42 19.2 14.6 21.8
71 31.1 25.0 37.4

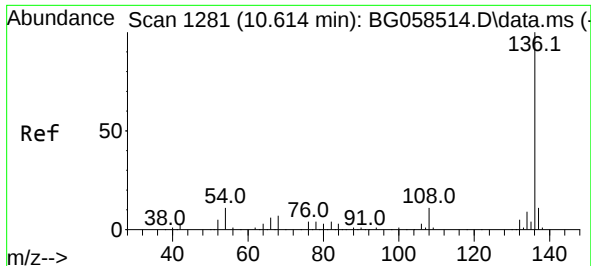


#19
n-Nitroso-di-n-propylamine
Concen: 17.196 ng
RT: 8.976 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44



Tgt Ion: 70 Resp: 40768
Ion Ratio Lower Upper
70 100
42 50.3 49.7 74.5
101 0.0 7.0 10.4#
130 2.0 14.3 21.5#

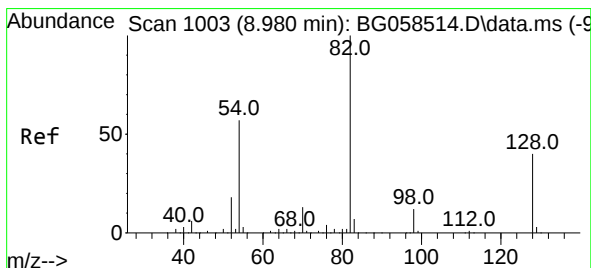
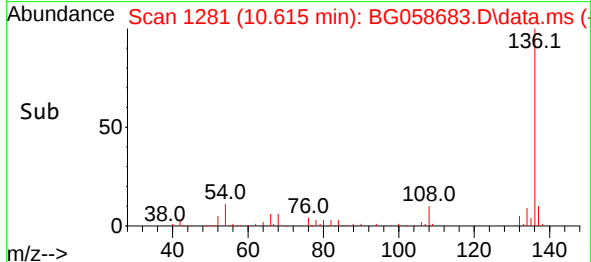
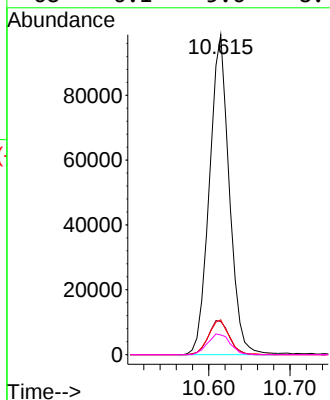
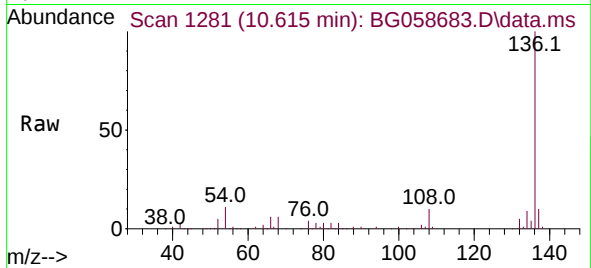




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.615 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

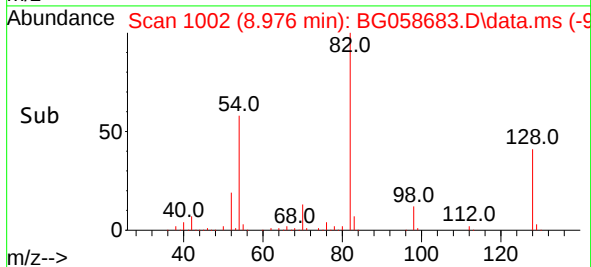
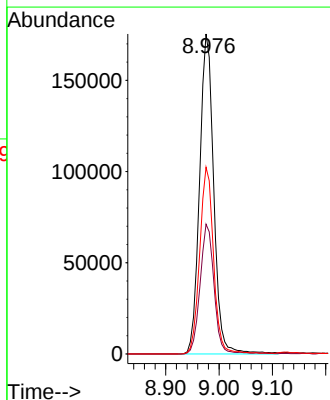
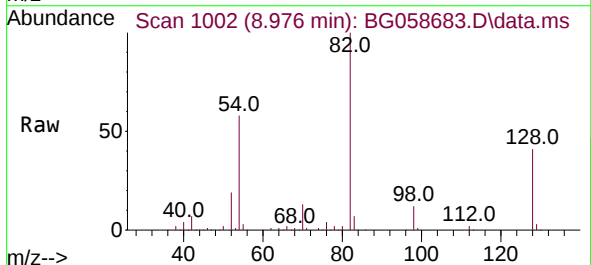
Instrument :
BNA_G
ClientSampleId :
IDW-S-20230808

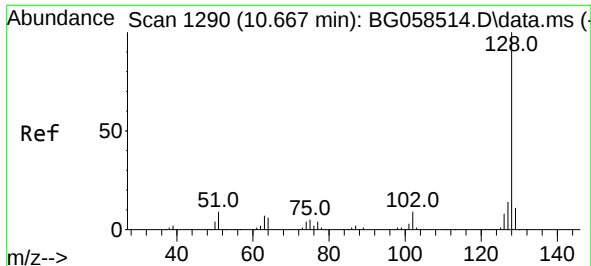
Tgt Ion:	136	Resp:	167376
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.6	13.0
54	10.9	8.9	13.3
68	6.1	5.6	8.4



#23
Nitrobenzene-d5
Concen: 94.864 ng
RT: 8.976 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

Tgt Ion:	82	Resp:	323214
Ion Ratio	Lower	Upper	
82	100		
128	40.5	32.2	48.2
54	58.4	46.0	69.0

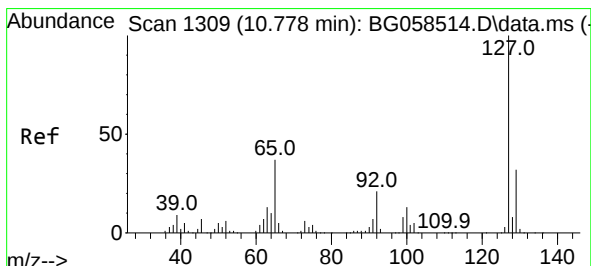
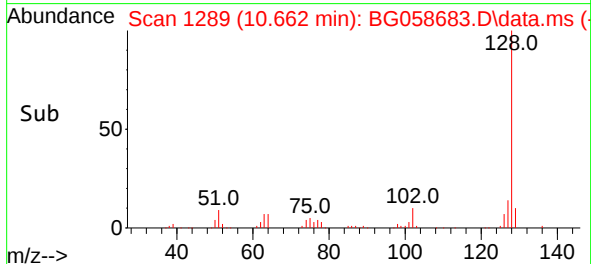
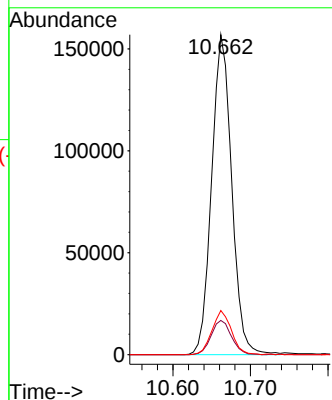
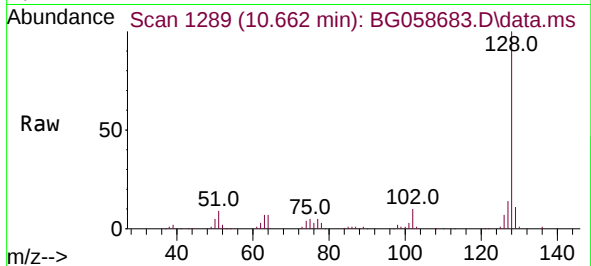




#31
Naphthalene
Concen: 32.021 ng
RT: 10.662 min Scan# 1290
Delta R.T. -0.005 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

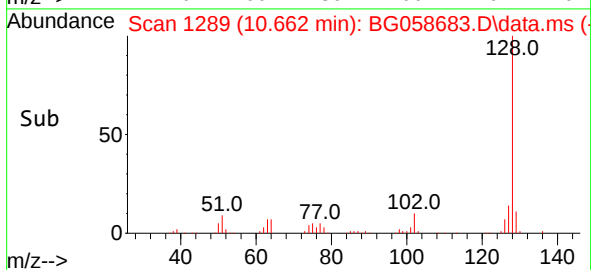
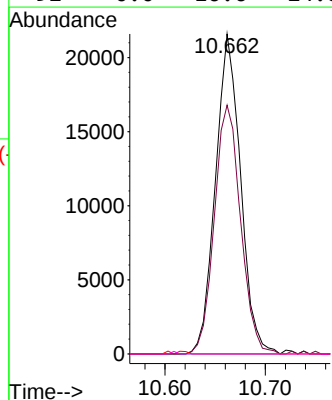
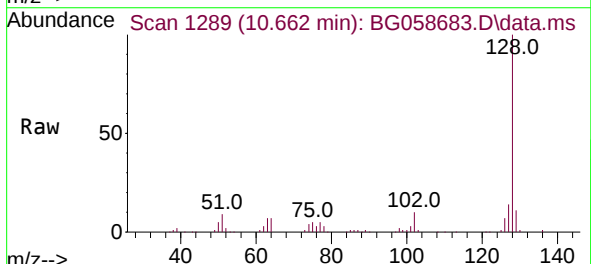
Instrument :
BNA_G
ClientSampleId :
IDW-S-20230808

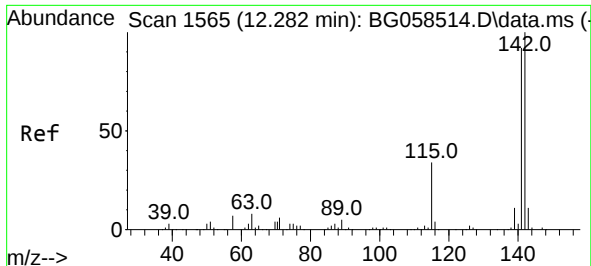
Tgt Ion:128 Resp: 282477
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.8 10.9 16.3



#33
4-Chloroaniline
Concen: 10.070 ng
RT: 10.662 min Scan# 1289
Delta R.T. -0.117 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

Tgt Ion:127 Resp: 37534
Ion Ratio Lower Upper
127 100
129 77.7 25.4 38.2#
65 0.0 29.5 44.3#
92 0.0 16.6 24.8#

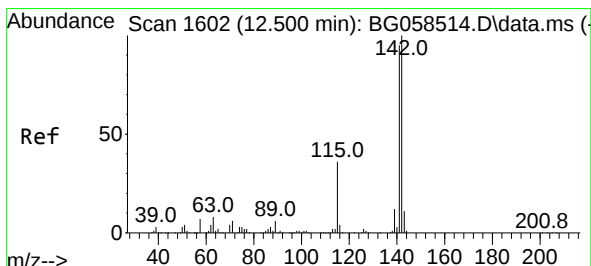
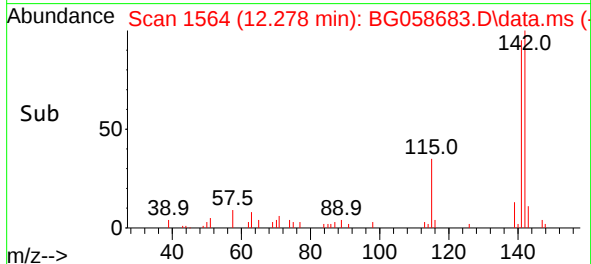
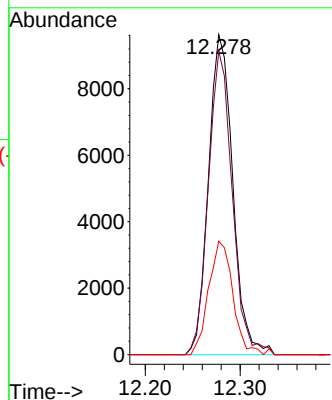
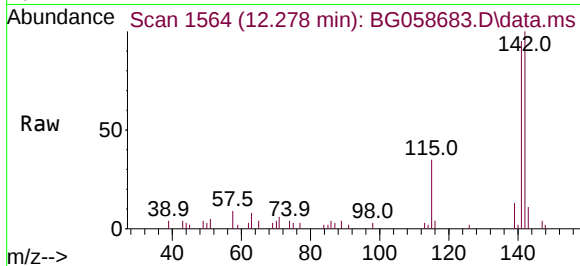




#37
2-Methylnaphthalene
Concen: 2.720 ng
RT: 12.278 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

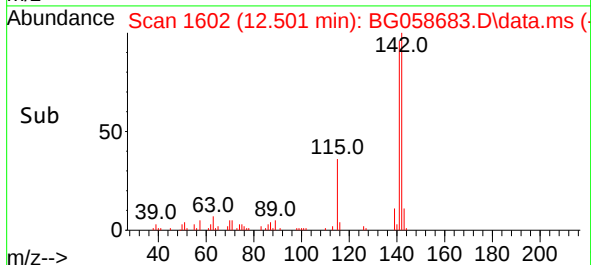
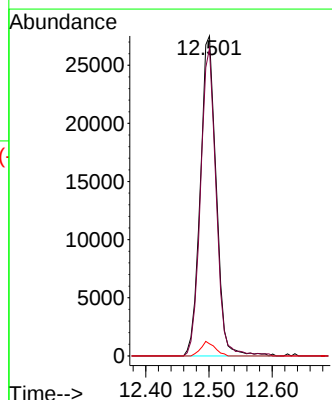
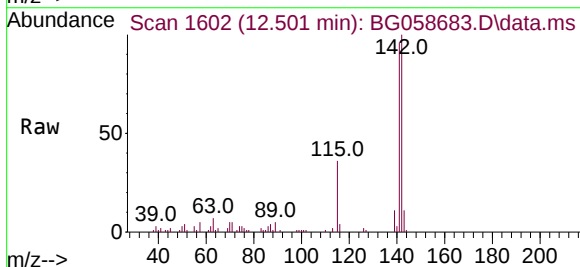
Instrument :
BNA_G
ClientSampleId :
IDW-S-20230808

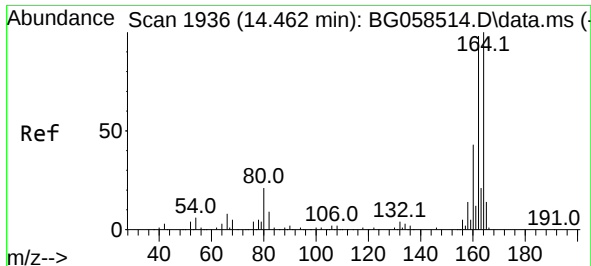
Tgt Ion:142 Resp: 17165
Ion Ratio Lower Upper
142 100
141 94.8 73.5 110.3
115 35.4 27.4 41.0



#38
1-Methylnaphthalene
Concen: 8.012 ng
RT: 12.501 min Scan# 1602
Delta R.T. 0.001 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

Tgt Ion:142 Resp: 48060
Ion Ratio Lower Upper
142 100
141 96.1 75.7 113.5
116 3.8 3.2 4.8

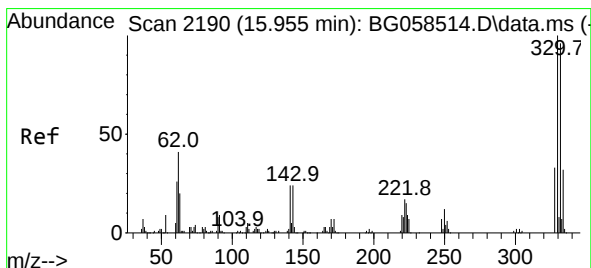
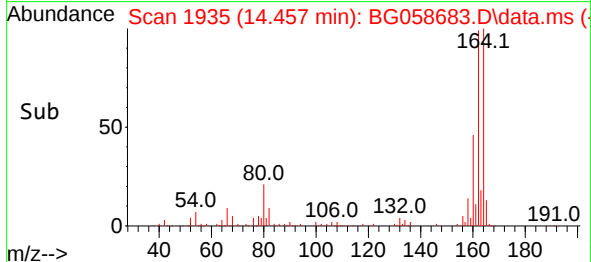
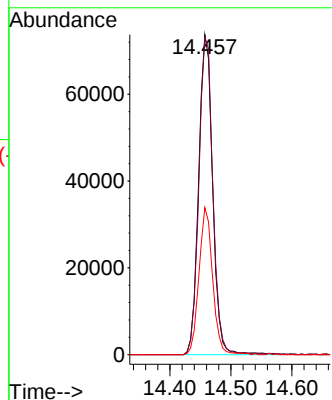
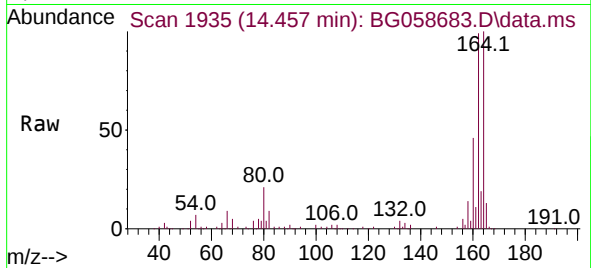




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1936
Delta R.T. -0.005 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

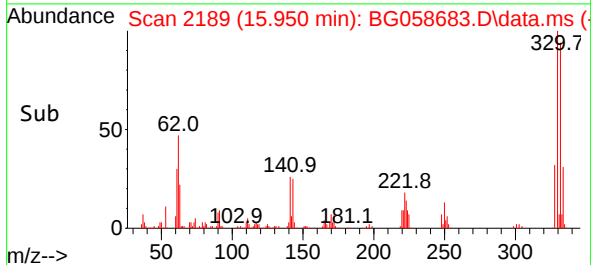
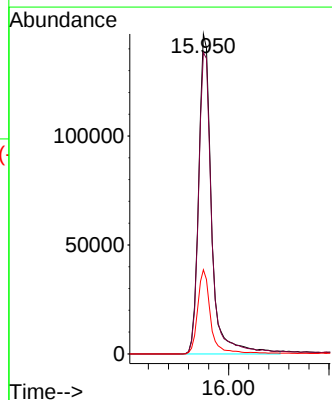
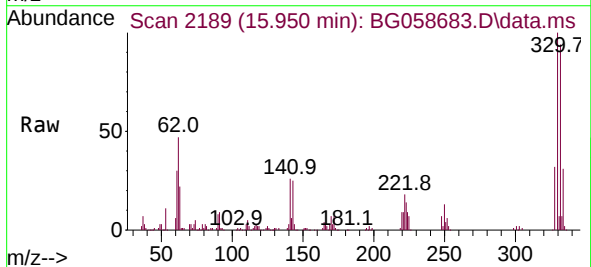
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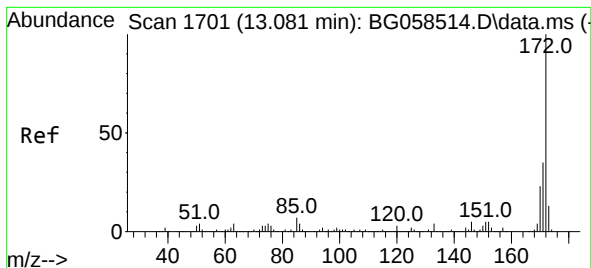
Tgt Ion:164 Resp: 117319
Ion Ratio Lower Upper
164 100
162 99.2 78.3 117.5
160 45.9 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 136.257 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.005 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

Tgt Ion:330 Resp: 262014
Ion Ratio Lower Upper
330 100
332 94.9 77.5 116.3
141 25.9 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 91.919 ng

RT: 13.077 min Scan# 1700

Delta R.T. -0.005 min

Lab File: BG058683.D

Acq: 10 Aug 2023 17:44

Instrument :

BNA_G

ClientSampleId :

IDW-S-20230808

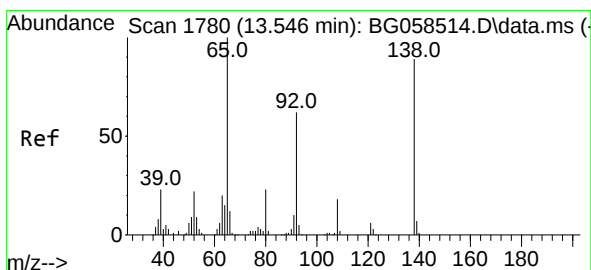
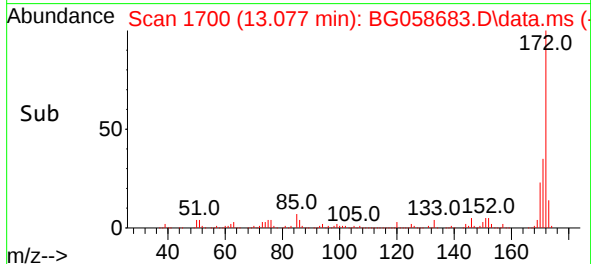
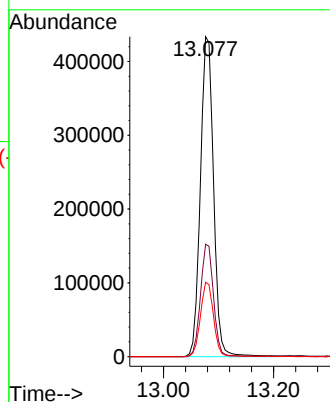
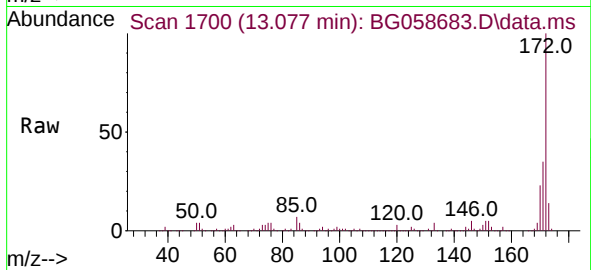
Tgt Ion:172 Resp: 719600

Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 23.2 18.4 27.6



#48

2-Nitroaniline

Concen: 4.302 ng

RT: 13.347 min Scan# 1746

Delta R.T. -0.199 min

Lab File: BG058683.D

Acq: 10 Aug 2023 17:44

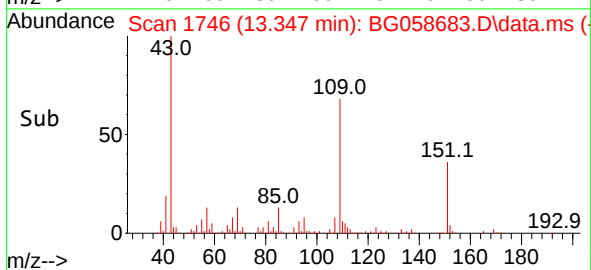
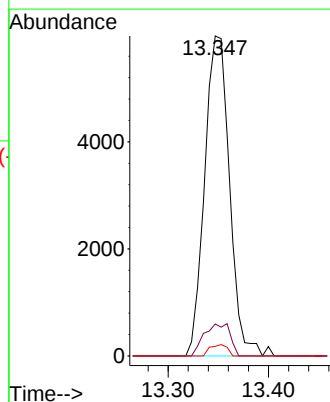
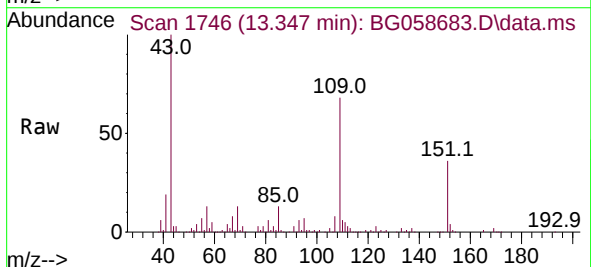
Tgt Ion: 65 Resp: 10315

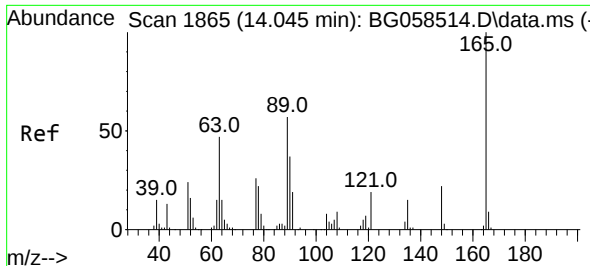
Ion Ratio Lower Upper

65 100

92 10.0 49.2 73.8#

138 3.0 71.5 107.3#

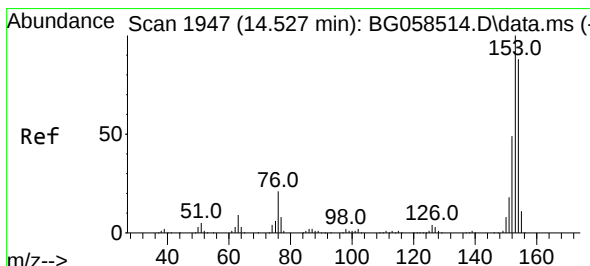
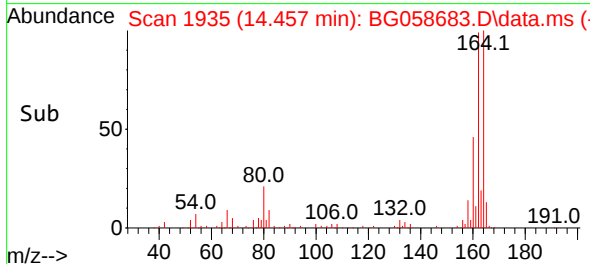
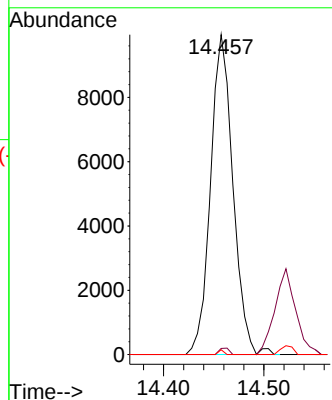
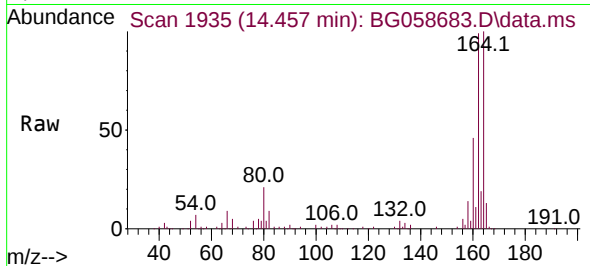




#51
2,6-Dinitrotoluene
Concen: 7.990 ng
RT: 14.457 min Scan# 1935
Delta R.T. 0.412 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

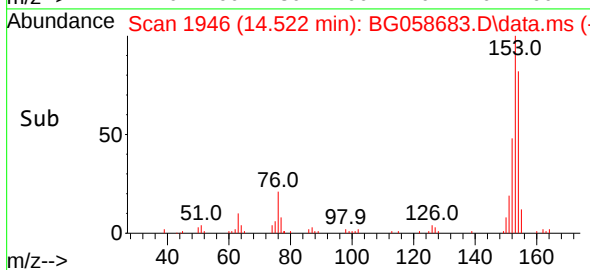
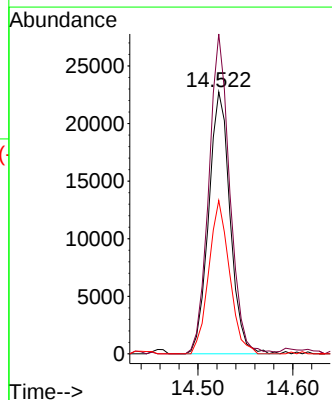
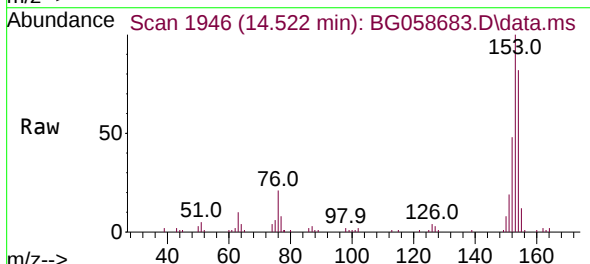
Instrument :
BNA_G
ClientSampleId :
IDW-S-20230808

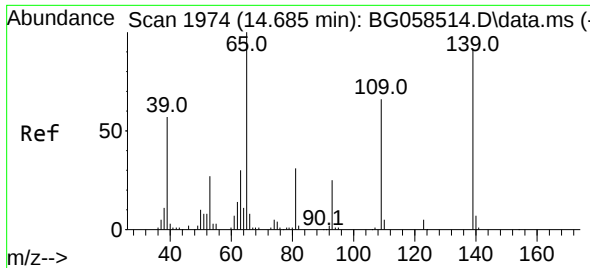
Tgt Ion:165 Resp: 15446
Ion Ratio Lower Upper
165 100
63 1.9 46.4 69.6#
89 1.5 45.3 67.9#



#52
Acenaphthene
Concen: 5.896 ng
RT: 14.522 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

Tgt Ion:154 Resp: 35833
Ion Ratio Lower Upper
154 100
153 122.1 91.1 136.7
152 58.5 44.6 66.8

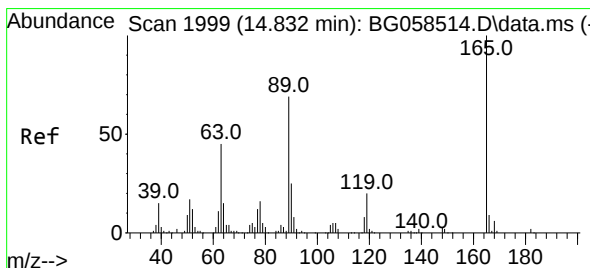
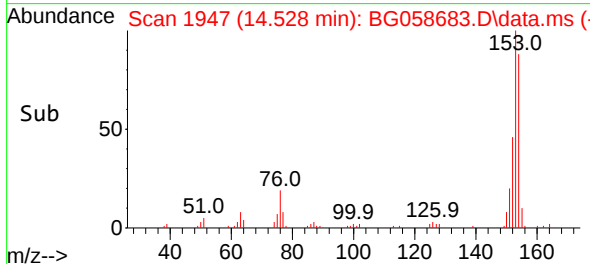
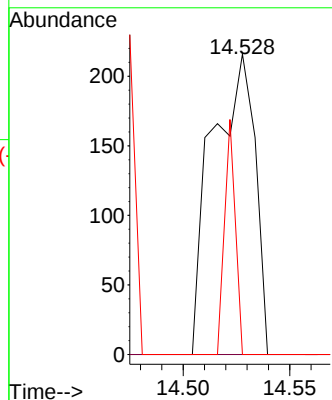
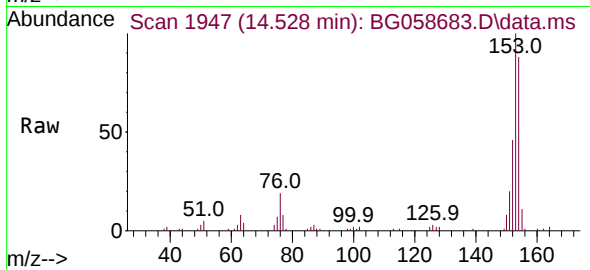




#56
4-Nitrophenol
Concen: 3.526 ng
RT: 14.528 min Scan# 1947
Delta R.T. -0.157 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

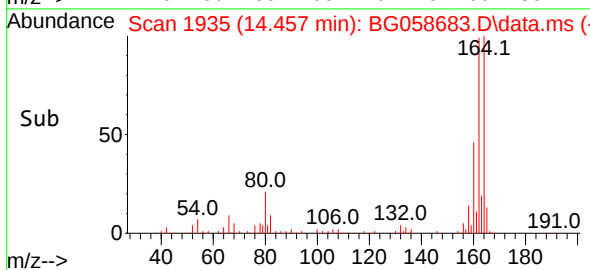
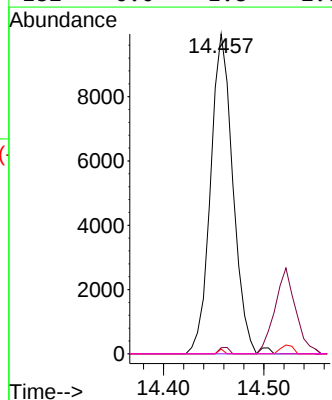
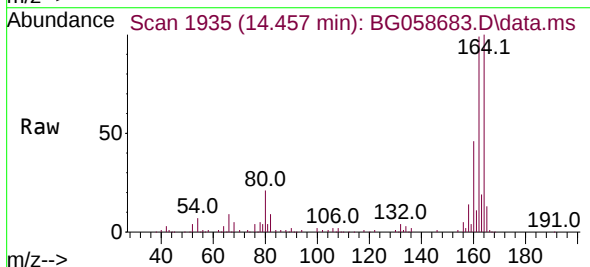
Instrument :
BNA_G
ClientSampleId :
IDW-S-20230808

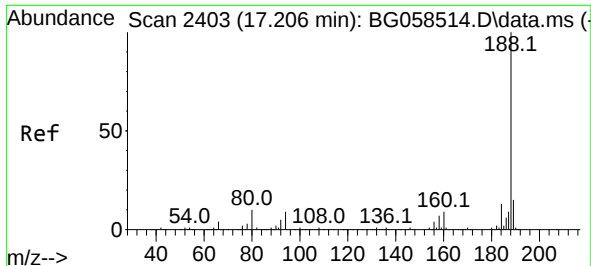
Tgt Ion:139 Resp: 300
Ion Ratio Lower Upper
139 100
109 0.0 52.5 92.5#
65 0.0 90.5 130.5#



#57
2,4-Dinitrotoluene
Concen: 5.763 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.375 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

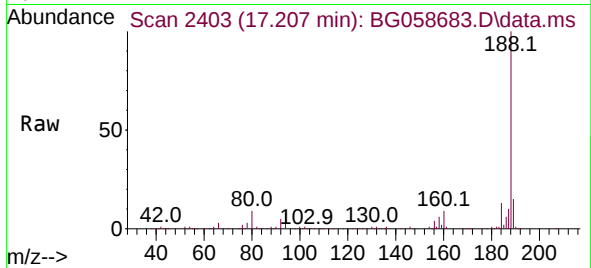
Tgt Ion:165 Resp: 15446
Ion Ratio Lower Upper
165 100
63 1.9 36.6 54.8#
89 1.5 55.4 83.0#
182 0.0 1.8 2.6#



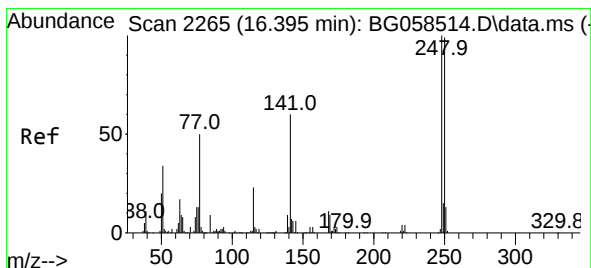
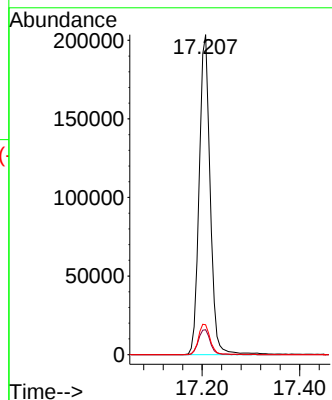
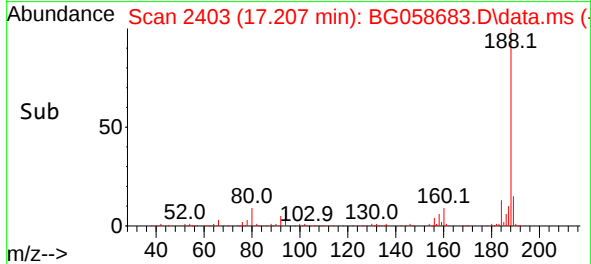


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

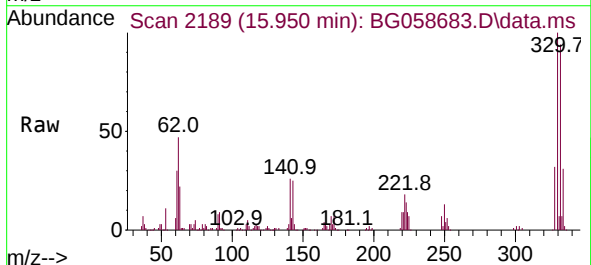
Instrument :
BNA_G
ClientSampleId :
IDW-S-20230808



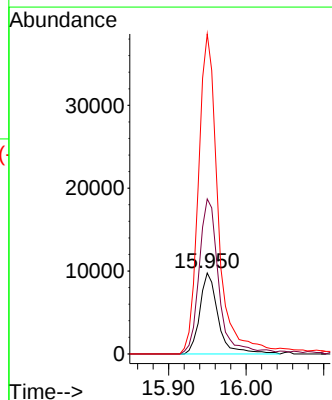
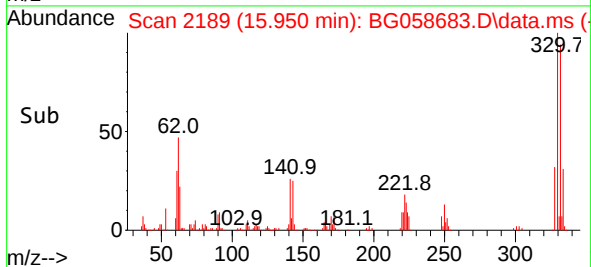
Tgt Ion:188 Resp: 316984
Ion Ratio Lower Upper
188 100
94 7.8 7.0 10.6
80 9.3 8.1 12.1

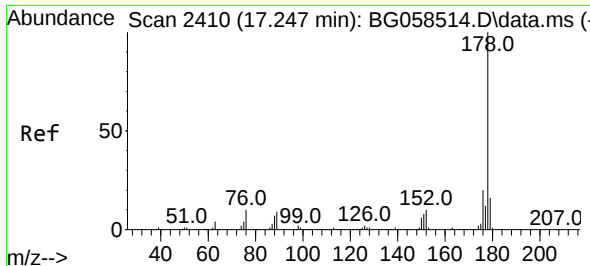


#67
4-Bromophenyl-phenylether
Concen: 4.474 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.446 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44



Tgt Ion:248 Resp: 16084
Ion Ratio Lower Upper
248 100
250 191.6 79.5 119.3#
141 395.4 48.2 72.2#

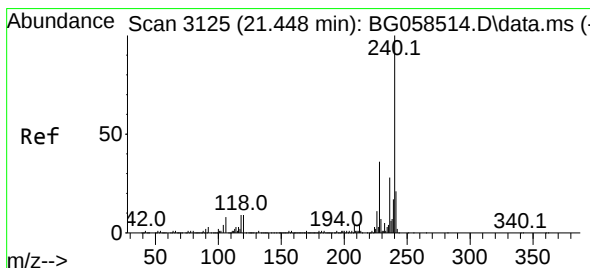
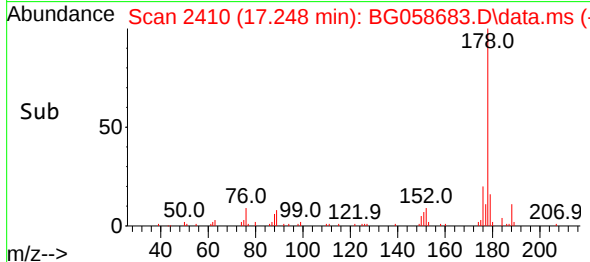
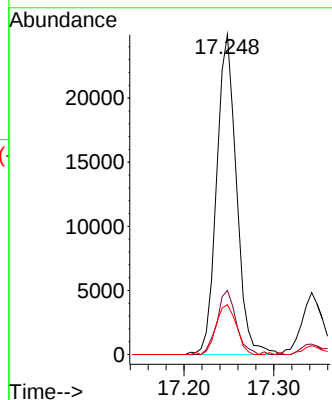
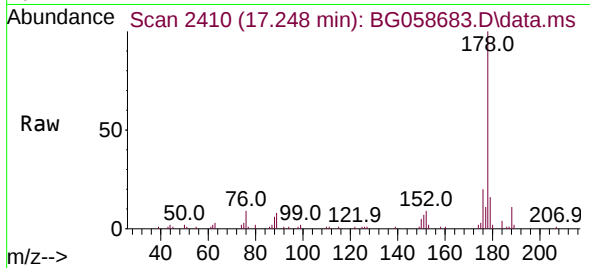




#71
Phenanthrene
Concen: 2.547 ng
RT: 17.248 min Scan# 2410
Delta R.T. 0.001 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

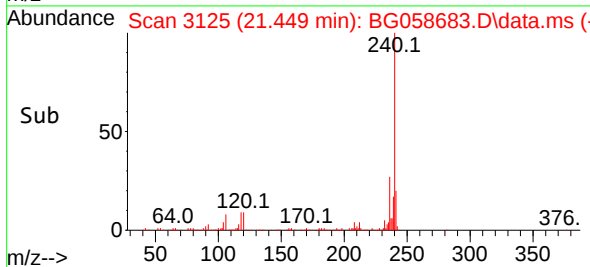
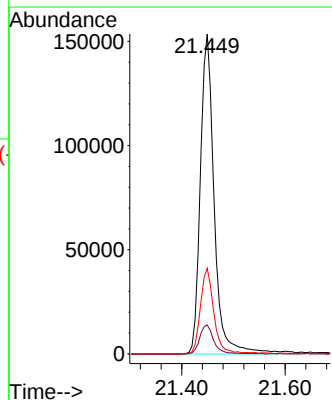
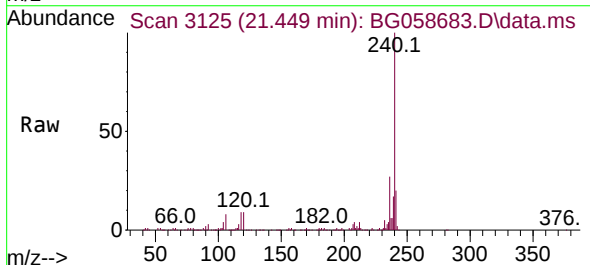
Instrument :
BNA_G
ClientSampleId :
IDW-S-20230808

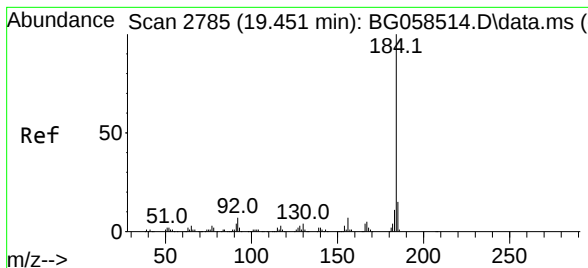
Tgt Ion:178 Resp: 38285
Ion Ratio Lower Upper
178 100
176 20.1 16.3 24.5
179 15.6 13.1 19.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. 0.001 min
Lab File: BG058683.D
Acq: 10 Aug 2023 17:44

Tgt Ion:240 Resp: 284235
Ion Ratio Lower Upper
240 100
120 9.0 7.4 11.0
236 26.7 22.2 33.4





#77

Benzidine

Concen: 4.225 ng

RT: 19.827 min Scan# 2849

Delta R.T. 0.377 min

Lab File: BG058683.D

Acq: 10 Aug 2023 17:44

Instrument :

BNA_G

ClientSampleId :

IDW-S-20230808

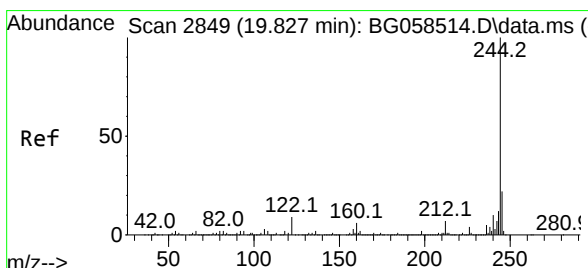
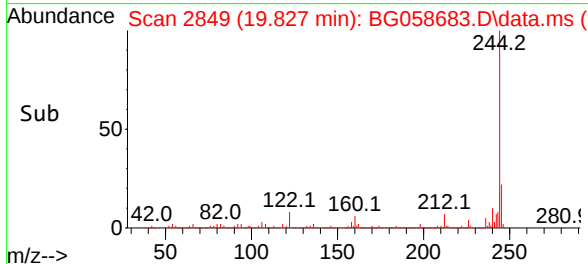
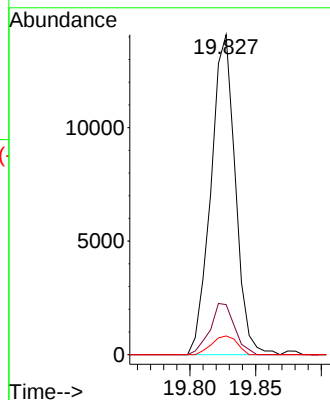
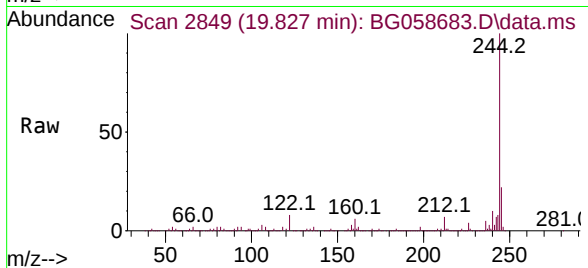
Tgt Ion:184 Resp: 18211

Ion Ratio Lower Upper

184 100

185 15.6 11.9 17.9

183 5.8 8.7 13.1#



#79

Terphenyl-d14

Concen: 97.443 ng

RT: 19.827 min Scan# 2849

Delta R.T. 0.001 min

Lab File: BG058683.D

Acq: 10 Aug 2023 17:44

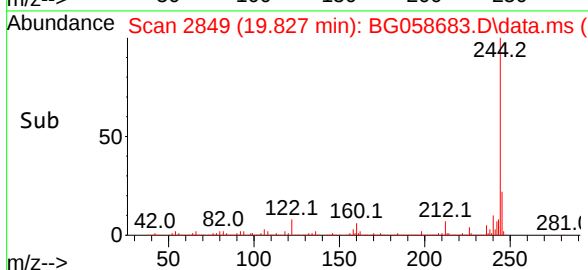
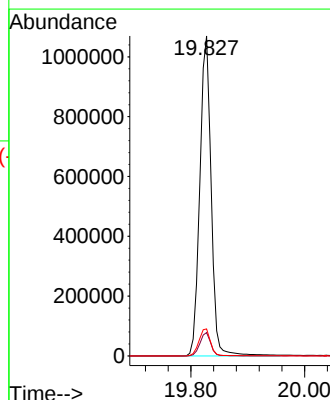
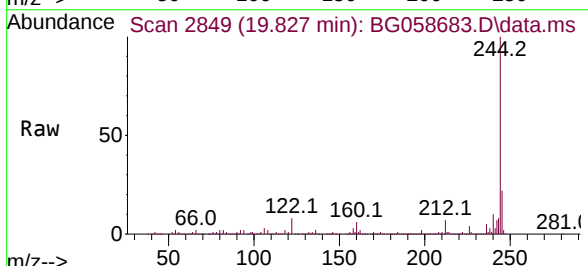
Tgt Ion:244 Resp: 1472812

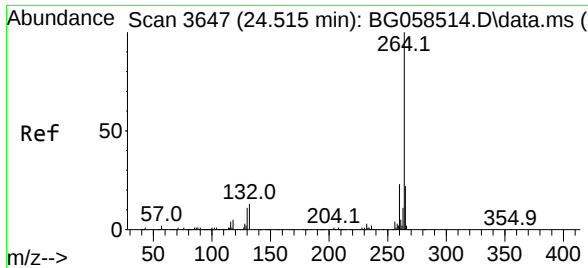
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 8.4 6.8 10.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.522 min Scan# 30
 Delta R.T. 0.007 min
 Lab File: BG058683.D
 Acq: 10 Aug 2023 17:44

Instrument :
 BNA_G
 ClientSampleId :
 IDW-S-20230808

Tgt Ion:264	Resp:	322608
Ion	Ratio	Lower Upper
264	100	
260	24.1	18.4 27.6
265	20.7	17.9 26.9

