

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080423\
 Data File : BG058609.D
 Acq On : 4 Aug 2023 13:26
 Operator : MA/JU
 Sample : 03887-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MCLEAN-TP2

Quant Time: Aug 04 14:03:30 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)

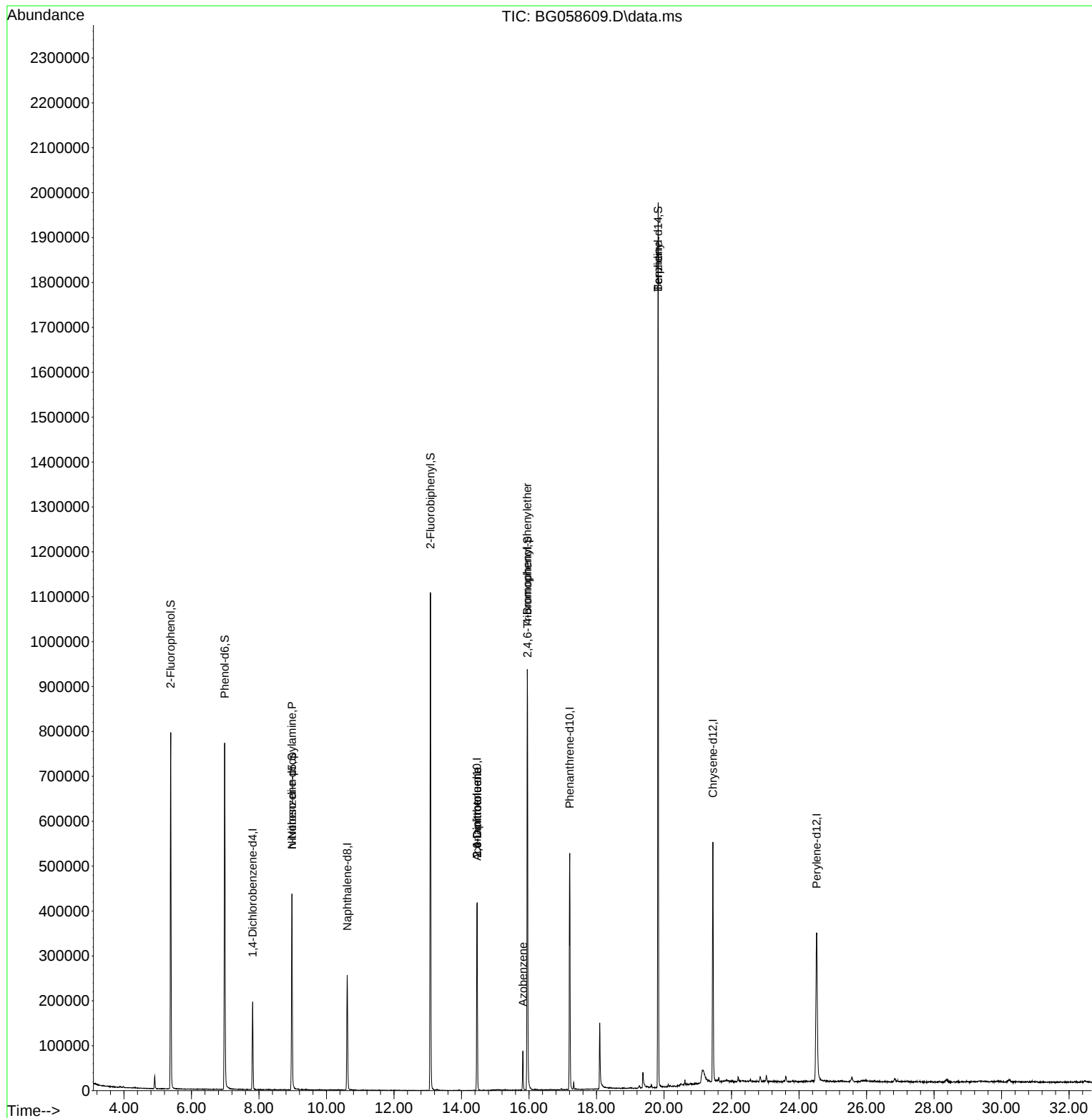
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	53228	20.000	ng	0.00
21) Naphthalene-d8	10.615	136	228045	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	159028	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	362169	20.000	ng	0.00
76) Chrysene-d12	21.449	240	318302	20.000	ng	0.00
86) Perylene-d12	24.522	264	394665	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	338895	97.315	ng	0.00
7) Phenol-d6	6.984	99	470192	97.031	ng	0.00
23) Nitrobenzene-d5	8.975	82	276660	59.598	ng	0.00
42) 2,4,6-Tribromophenol	15.955	330	217461	83.428	ng	0.00
45) 2-Fluorobiphenyl	13.082	172	640994	60.404	ng	0.00
79) Terphenyl-d14	19.827	244	1064430	62.886	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.975	70	34692	11.084	ng	Qvalue
51) 2,6-Dinitrotoluene	14.463	165	20256	7.730	ng	# 78
57) 2,4-Dinitrotoluene	14.463	165	20256	5.575	ng	# 23
63) Azobenzene	15.820	77	27851	2.324	ng	# 24
67) 4-Bromophenyl-phenylether	15.950	248	13263	3.229	ng	# 1
77) Benzidine	19.827	184	13137	2.722	ng	# 1

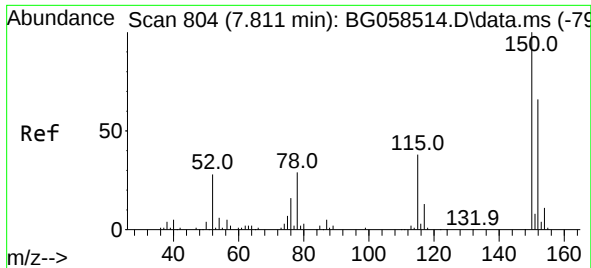
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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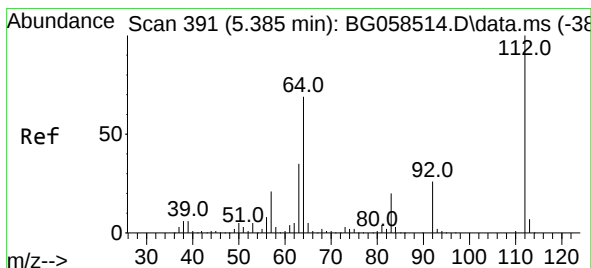
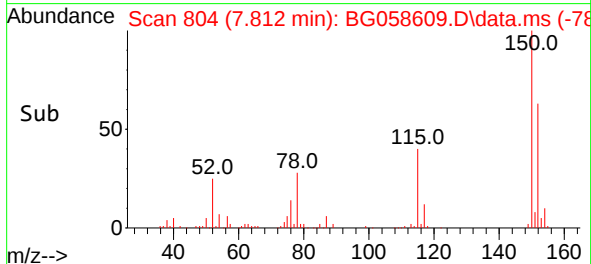
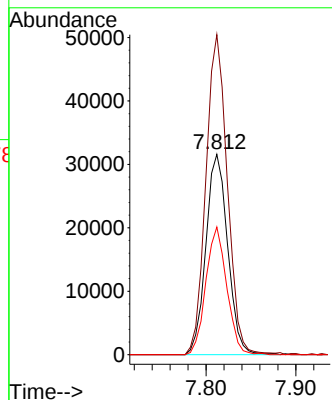
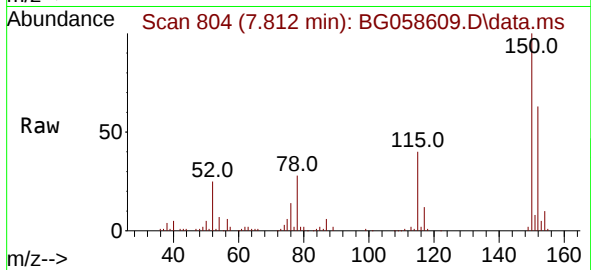




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

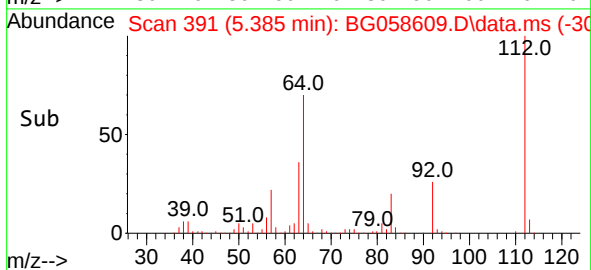
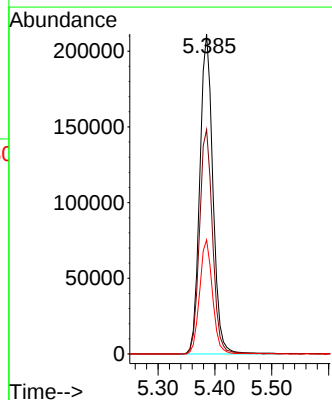
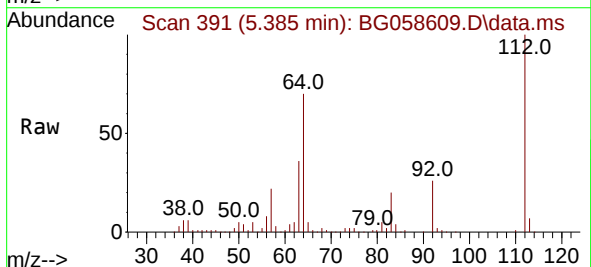
Instrument :
BNA_G
ClientSampleId :
MCLEAN-TP2

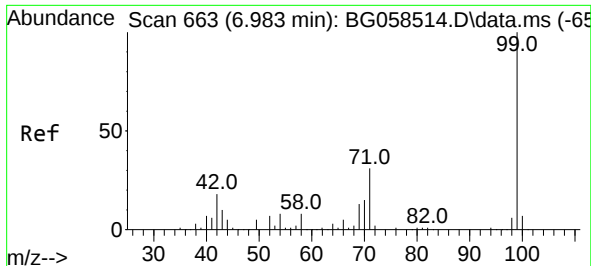
Tgt Ion:152 Resp: 53228
Ion Ratio Lower Upper
152 100
150 159.7 120.5 180.7
115 63.7 45.9 68.9



#5
2-Fluorophenol
Concen: 97.315 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.001 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

Tgt Ion:112 Resp: 338895
Ion Ratio Lower Upper
112 100
64 70.1 55.3 82.9
63 35.7 28.3 42.5

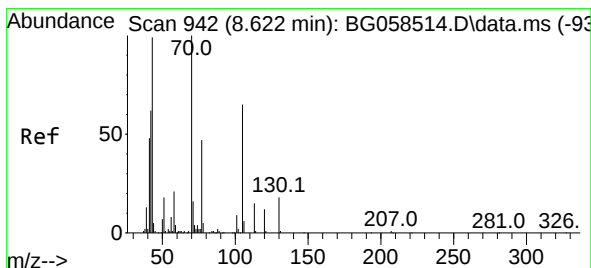
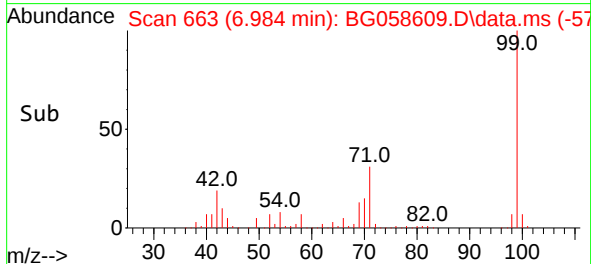
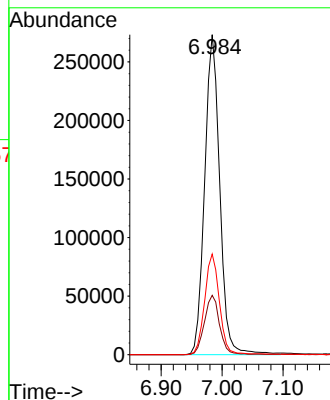
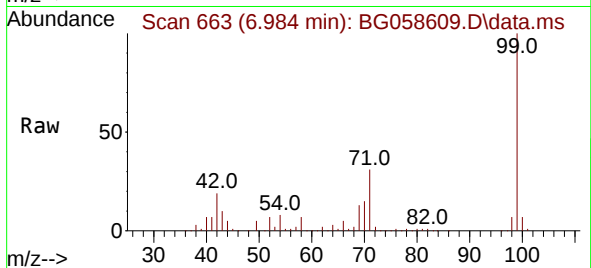




#7
Phenol-d6
Concen: 97.031 ng
RT: 6.984 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

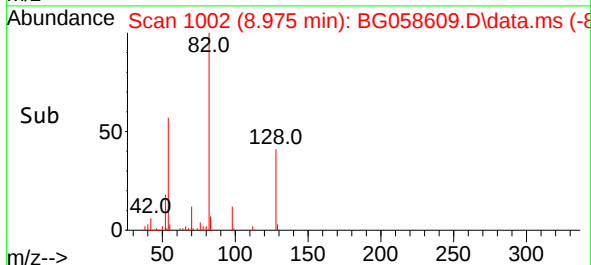
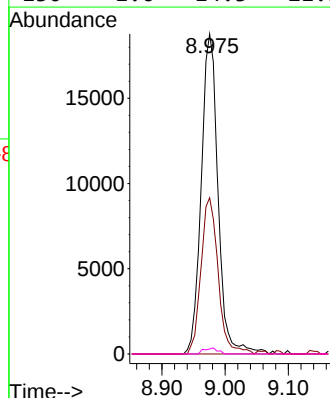
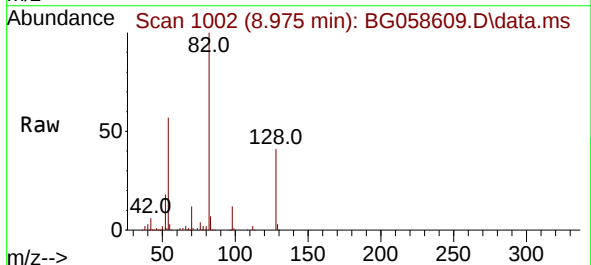
Instrument :
BNA_G
ClientSampleId :
MCLEAN-TP2

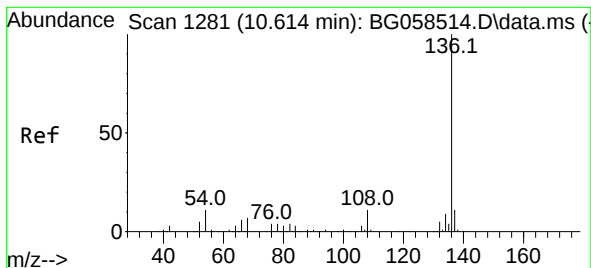
Tgt Ion: 99 Resp: 470192
Ion Ratio Lower Upper
99 100
42 18.5 14.6 21.8
71 31.5 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.084 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

Tgt Ion: 70 Resp: 34692
Ion Ratio Lower Upper
70 100
42 48.8 49.7 74.5#
101 0.0 7.0 10.4#
130 1.6 14.3 21.5#

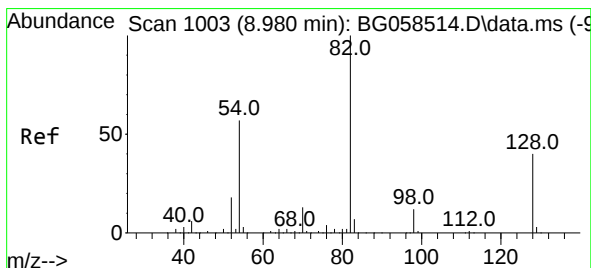
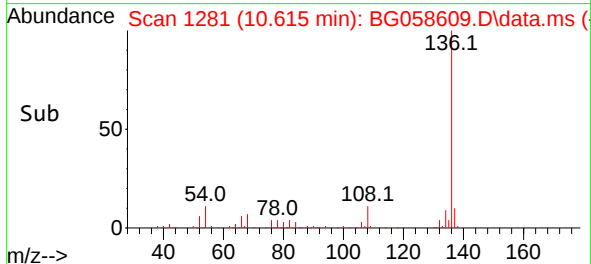
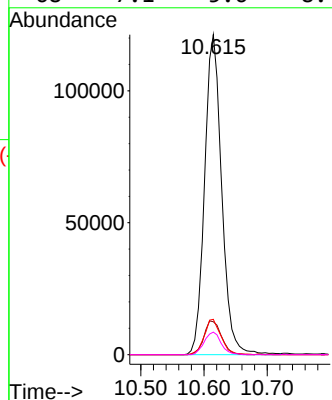
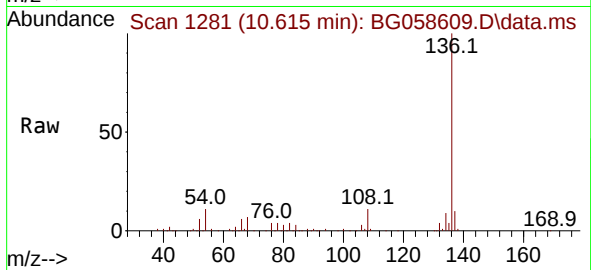




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.615 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

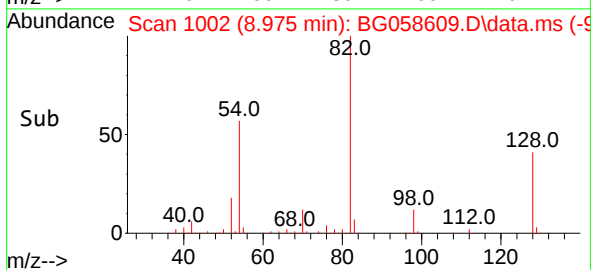
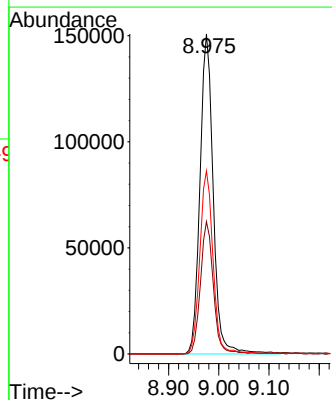
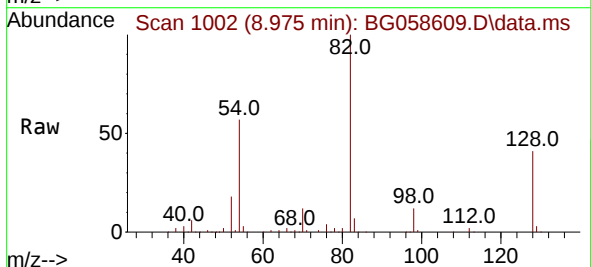
Instrument :
BNA_G
ClientSampleId :
MCLEAN-TP2

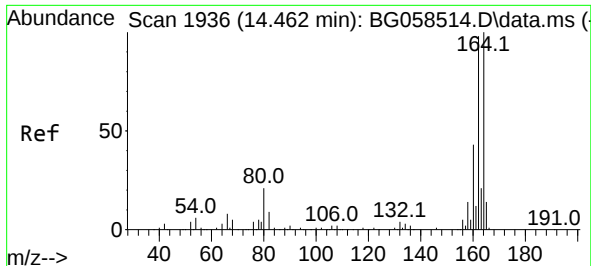
Tgt Ion:136 Resp: 228045
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 11.0 8.9 13.3
68 7.1 5.6 8.4



#23
Nitrobenzene-d5
Concen: 59.598 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

Tgt Ion: 82 Resp: 276660
Ion Ratio Lower Upper
82 100
128 41.4 32.2 48.2
54 57.2 46.0 69.0

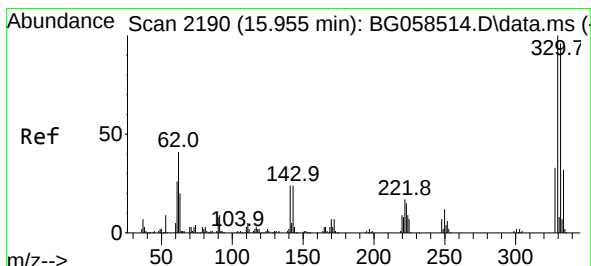
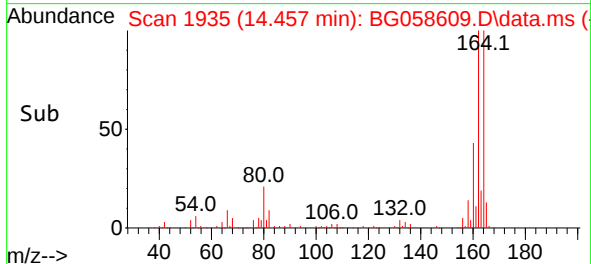
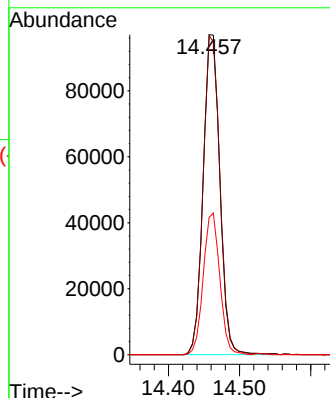
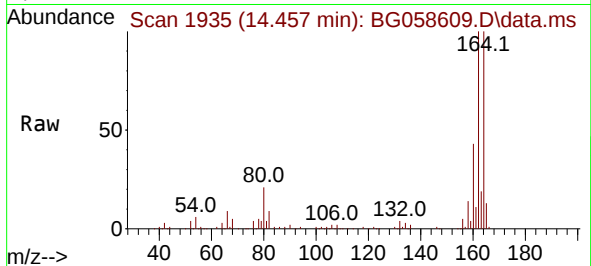




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

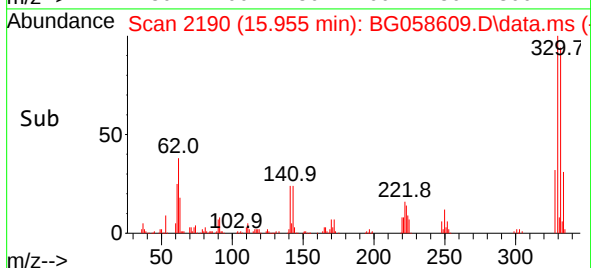
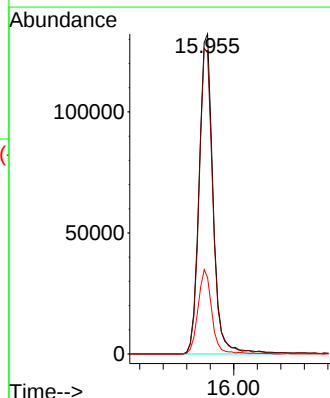
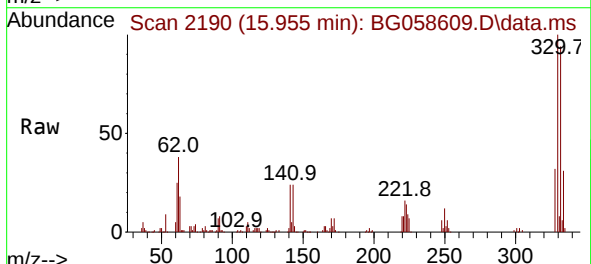
Instrument :
BNA_G
ClientSampleId :
MCLEAN-TP2

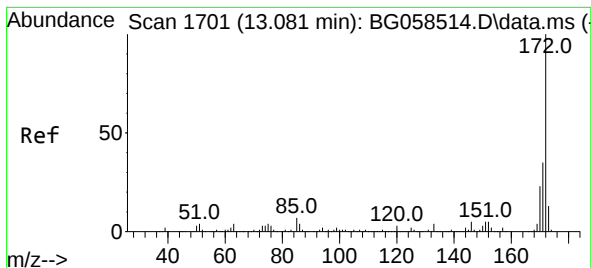
Tgt Ion:164 Resp: 159028
Ion Ratio Lower Upper
164 100
162 99.7 78.3 117.5
160 42.9 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 83.428 ng
RT: 15.955 min Scan# 2190
Delta R.T. 0.001 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

Tgt Ion:330 Resp: 217461
Ion Ratio Lower Upper
330 100
332 95.5 77.5 116.3
141 26.1 20.7 31.1

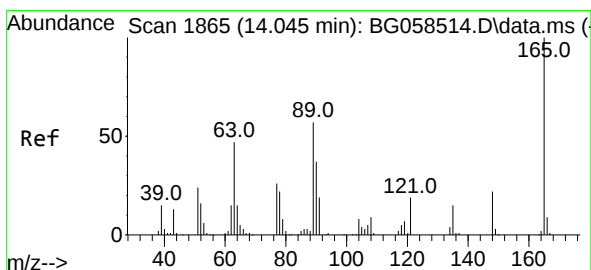
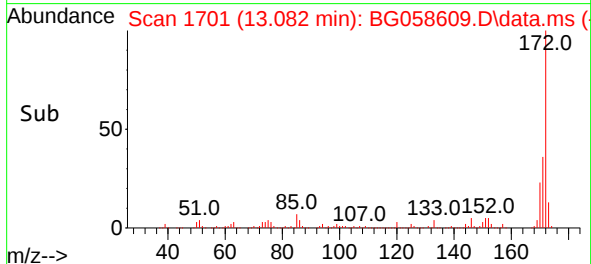
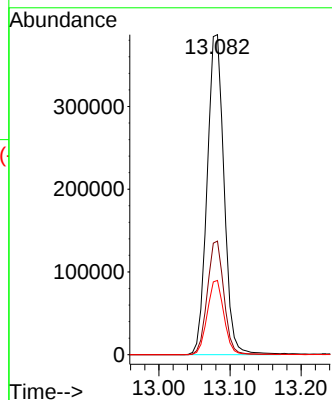
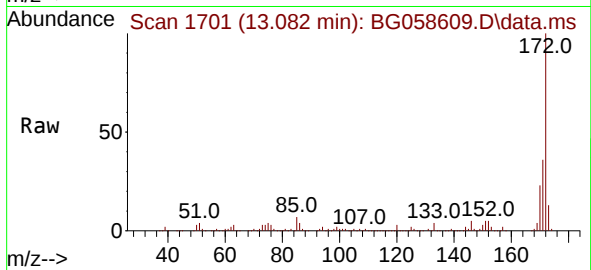




#45
2-Fluorobiphenyl
Concen: 60.404 ng
RT: 13.082 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

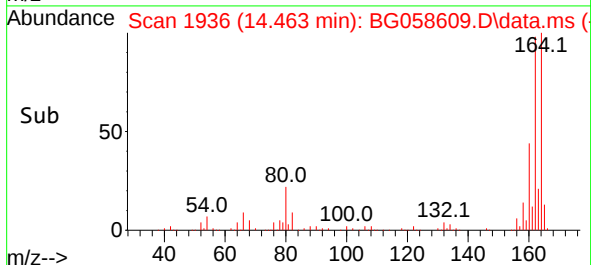
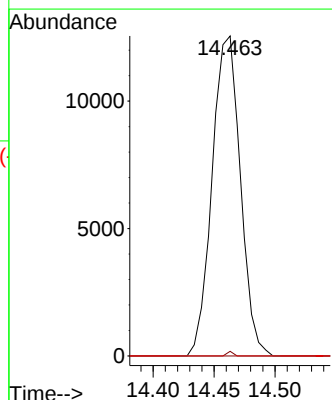
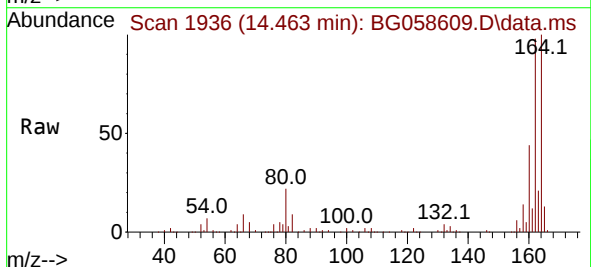
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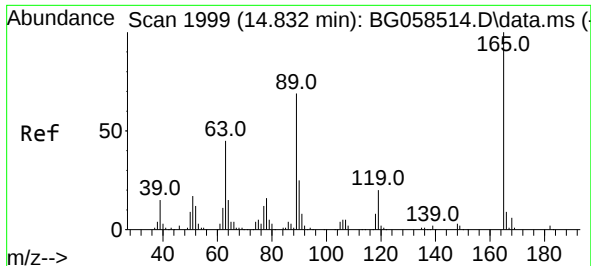
Tgt Ion:172 Resp: 640994
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 23.2 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.730 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.418 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

Tgt Ion:165 Resp: 20256
Ion Ratio Lower Upper
165 100
63 1.4 46.4 69.6#
89 0.0 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.575 ng

RT: 14.463 min Scan# 1999

Delta R.T. -0.369 min

Lab File: BG058609.D

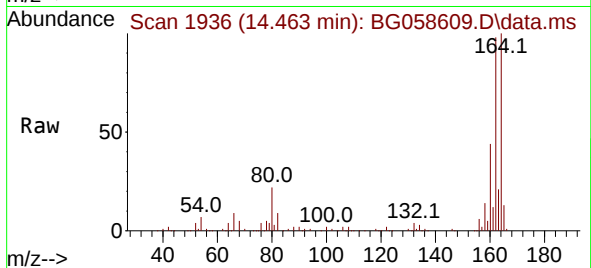
Acq: 4 Aug 2023 13:26

Instrument :

BNA_G

ClientSampleId :

MCLEAN-TP2



Tgt Ion:165 Resp: 20256

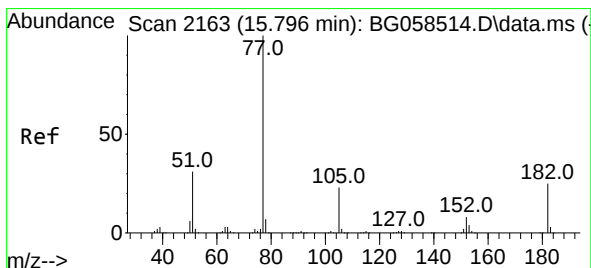
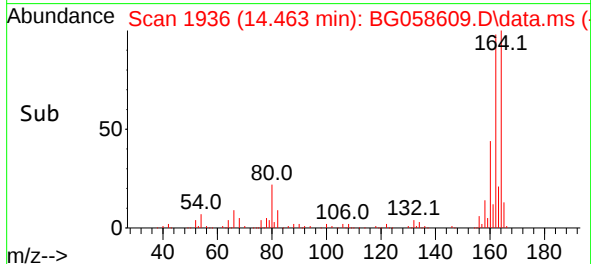
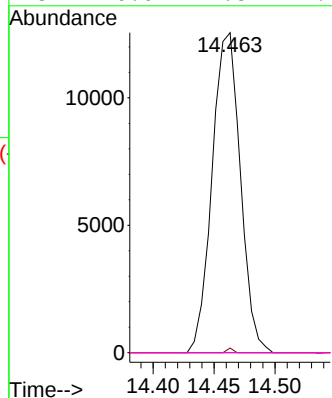
Ion Ratio Lower Upper

165 100

63 1.4 36.6 54.8#

89 0.0 55.4 83.0#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.324 ng

RT: 15.820 min Scan# 2167

Delta R.T. 0.024 min

Lab File: BG058609.D

Acq: 4 Aug 2023 13:26

Tgt Ion: 77 Resp: 27851

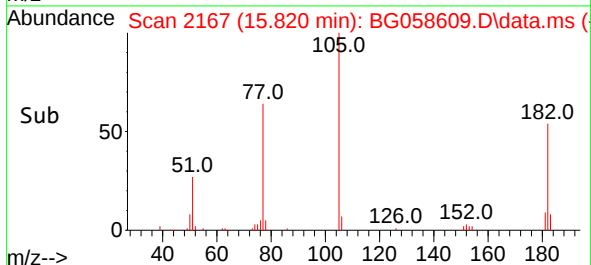
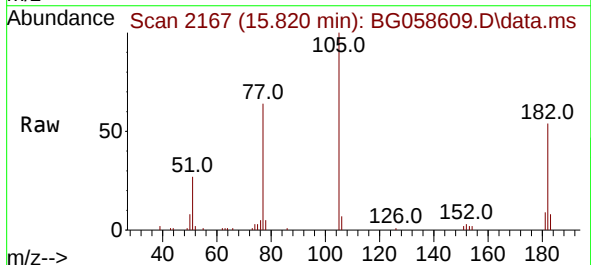
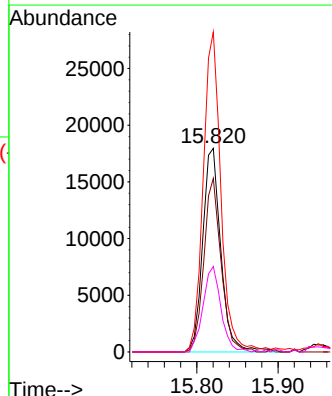
Ion Ratio Lower Upper

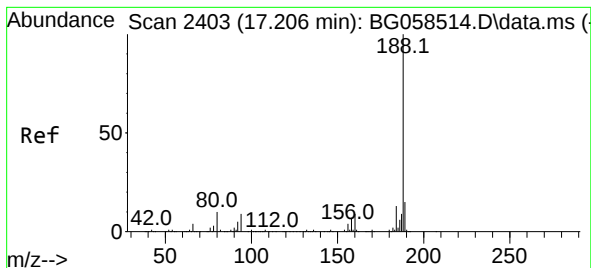
77 100

182 85.3 4.6 44.6#

105 157.1 3.3 43.3#

51 41.9 10.9 50.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.207 min Scan# 24

Delta R.T. 0.001 min

Lab File: BG058609.D

Acq: 4 Aug 2023 13:26

Instrument :

BNA_G

ClientSampleId :

MCLEAN-TP2

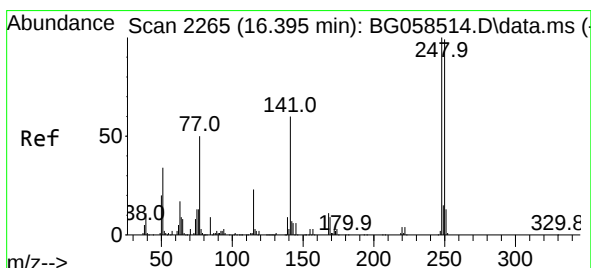
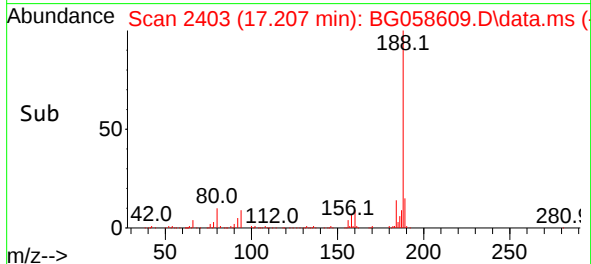
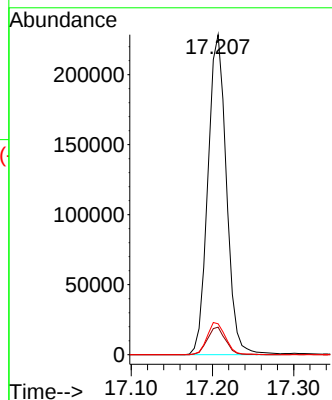
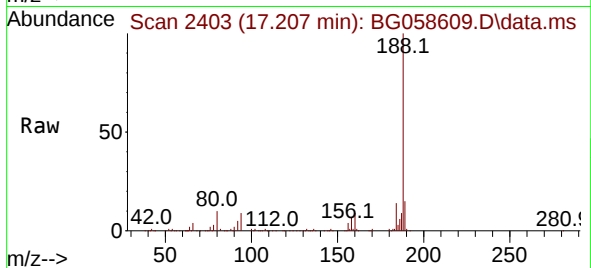
Tgt Ion:188 Resp: 362169

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

80 9.6 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.229 ng

RT: 15.950 min Scan# 2189

Delta R.T. -0.446 min

Lab File: BG058609.D

Acq: 4 Aug 2023 13:26

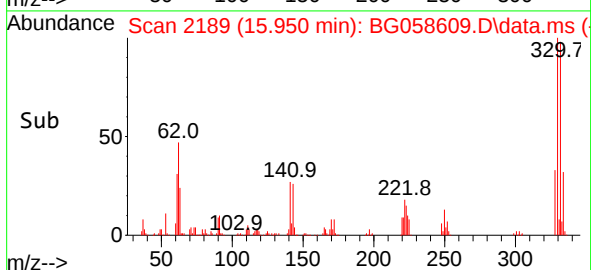
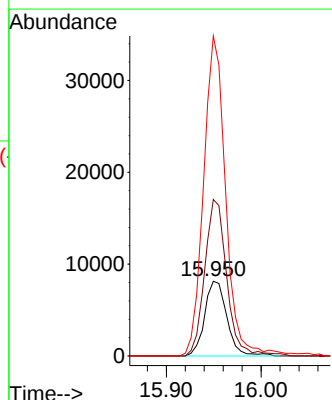
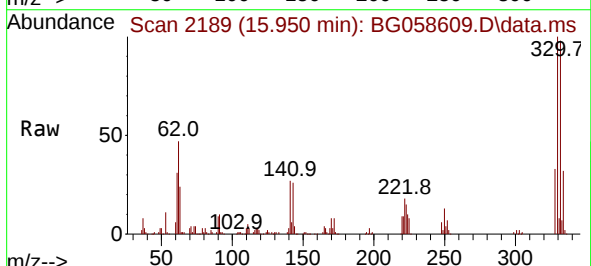
Tgt Ion:248 Resp: 13263

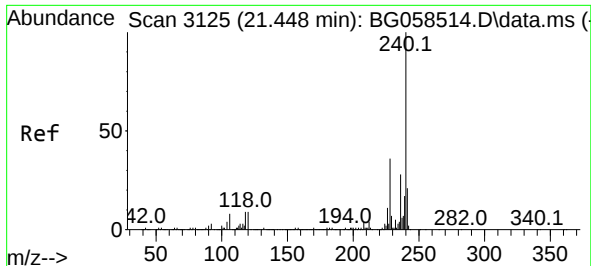
Ion Ratio Lower Upper

248 100

250 209.7 79.5 119.3#

141 428.7 48.2 72.2#

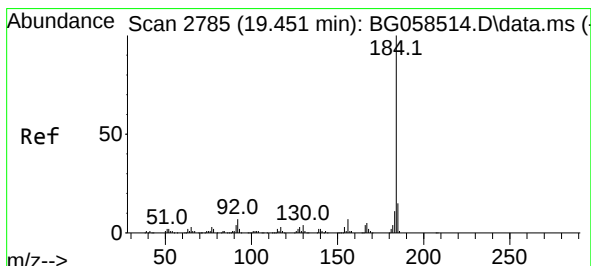
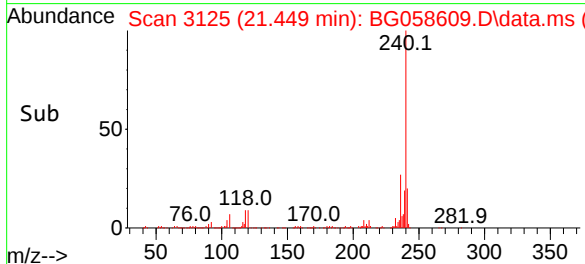
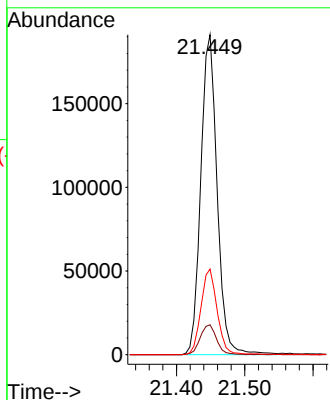
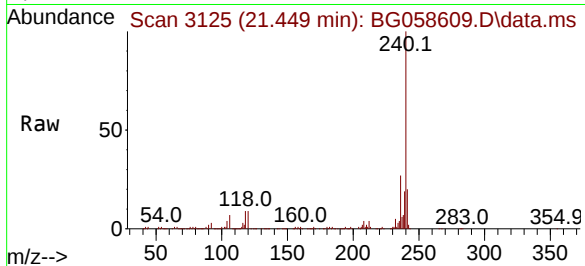




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. 0.001 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

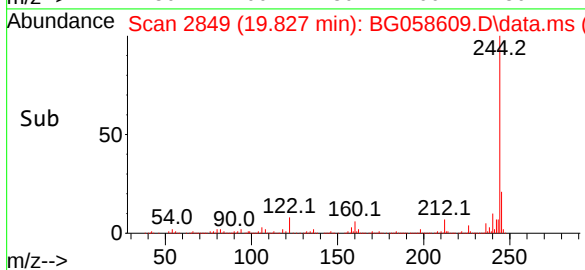
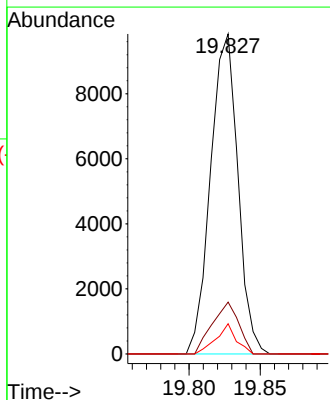
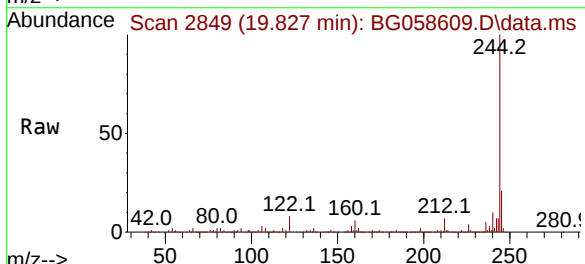
Instrument :
BNA_G
ClientSampleId :
MCLEAN-TP2

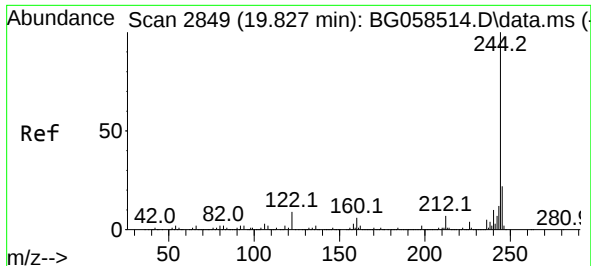
Tgt Ion:240 Resp: 318302
Ion Ratio Lower Upper
240 100
120 9.3 7.4 11.0
236 26.7 22.2 33.4



#77
Benzidine
Concen: 2.722 ng
RT: 19.827 min Scan# 2849
Delta R.T. 0.377 min
Lab File: BG058609.D
Acq: 4 Aug 2023 13:26

Tgt Ion:184 Resp: 13137
Ion Ratio Lower Upper
184 100
185 16.2 11.9 17.9
183 9.5 8.7 13.1

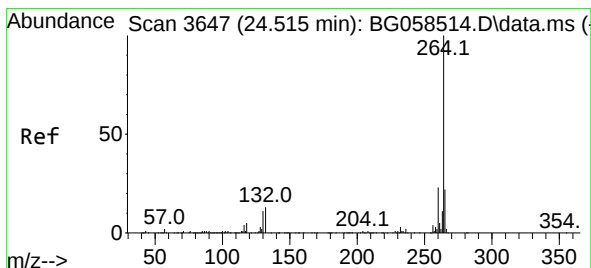
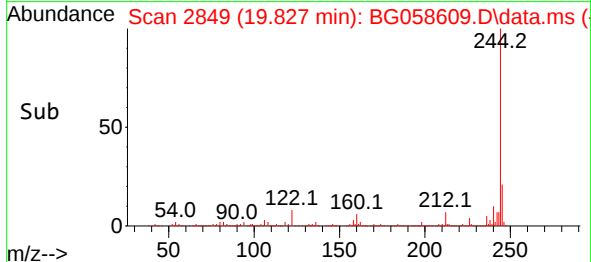
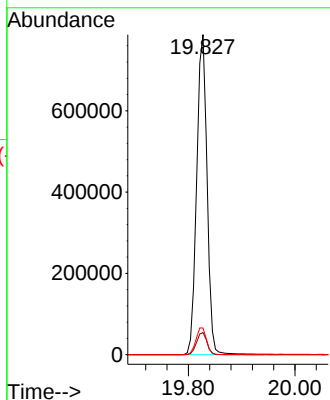
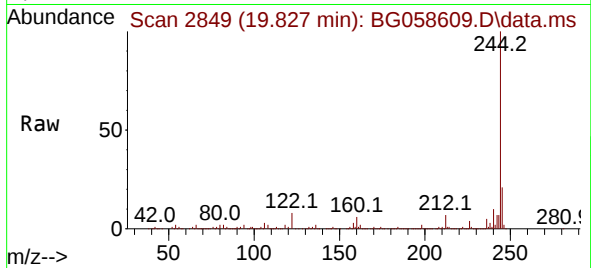




#79
 Terphenyl-d14
 Concen: 62.886 ng
 RT: 19.827 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG058609.D
 Acq: 4 Aug 2023 13:26

Instrument :
 BNA_G
 ClientSampleId :
 MCLEAN-TP2

Tgt Ion:244 Resp: 1064430
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 8.3 6.8 10.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.522 min Scan# 3648
 Delta R.T. 0.007 min
 Lab File: BG058609.D
 Acq: 4 Aug 2023 13:26

Tgt Ion:264 Resp: 394665
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.4 27.6
 265 21.8 17.9 26.9

