

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103122\
 Data File : BG055386.D
 Acq On : 31 Oct 2022 19:53
 Operator : CG/JU
 Sample : N5377-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LIQUID-WC-20221028

Quant Time: Nov 01 06:50:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 04:52:38 2022
 Response via : Initial Calibration

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

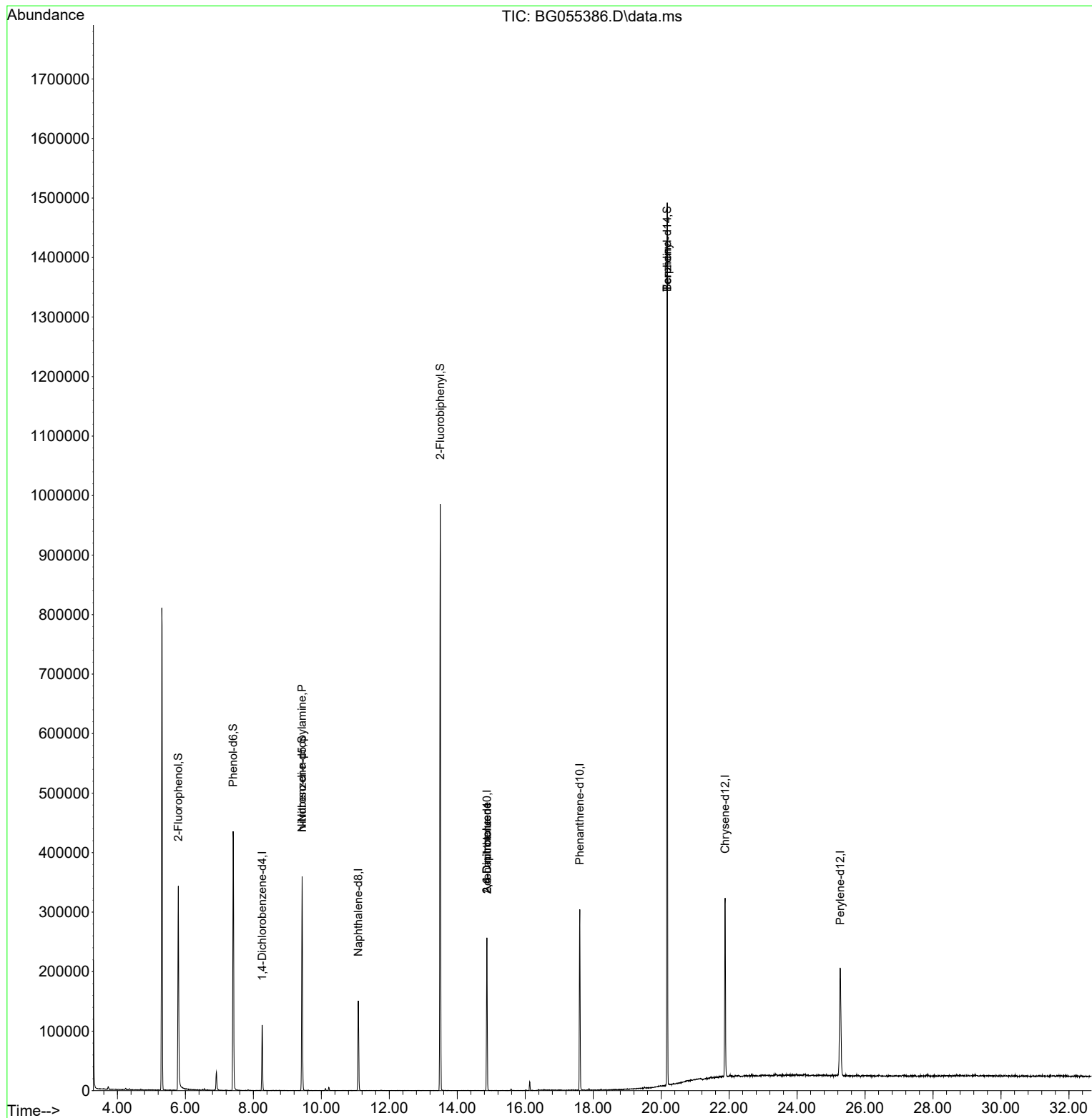
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.259	152	33890	20.000	ng	0.00
21) Naphthalene-d8	11.091	136	137228	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	93722	20.000	ng	0.00
64) Phenanthrene-d10	17.606	188	201745	20.000	ng	# 0.00
76) Chrysene-d12	21.884	240	194787	20.000	ng	0.00
86) Perylene-d12	25.274	264	207843	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	182073	94.070	ng	0.00
7) Phenol-d6	7.407	99	279014	99.503	ng	0.00
23) Nitrobenzene-d5	9.434	82	217824	81.054	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	925	0.908	ng	0.02
45) 2-Fluorobiphenyl	13.500	172	522353	91.223	ng	-0.01
79) Terphenyl-d14	20.180	244	745651	79.535	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.434	70	28802	12.369	ng	# 79
51) 2,6-Dinitrotoluene	14.874	165	12168	8.126	ng	# 19
57) 2,4-Dinitrotoluene	14.874	165	12168	5.600	ng	# 18
77) Benzidine	20.180	184	10439	2.213	ng	# 90

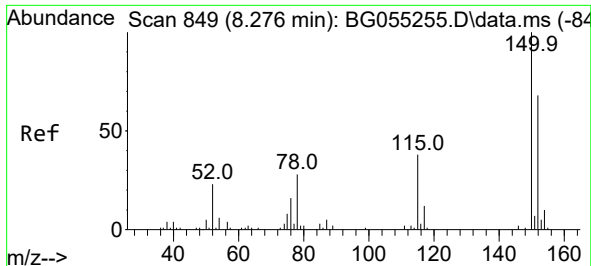
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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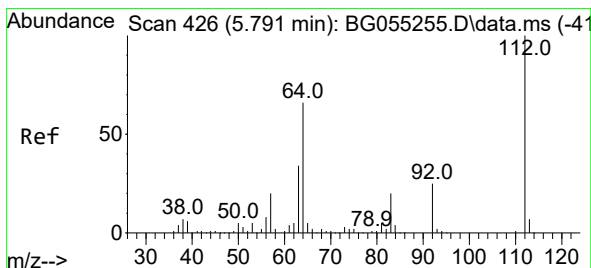
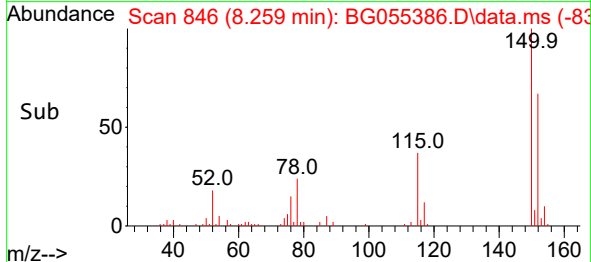
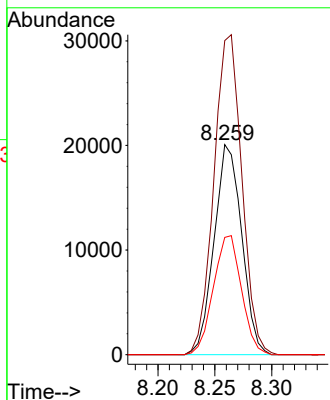
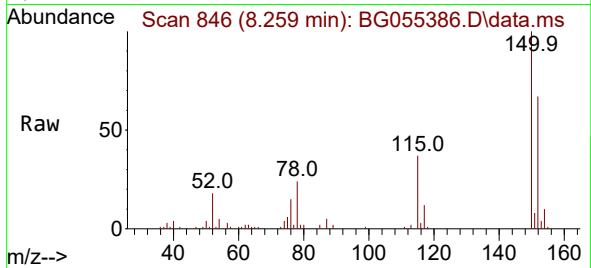




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 84
Delta R.T. -0.006 min
Lab File: BG055386.D
Acq: 31 Oct 2022 19:53

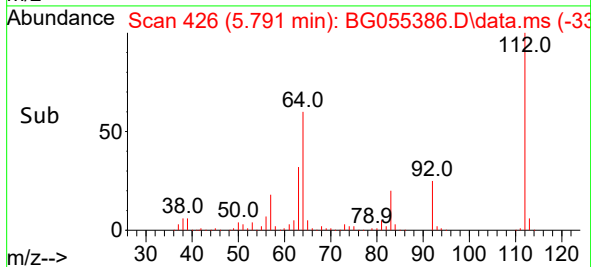
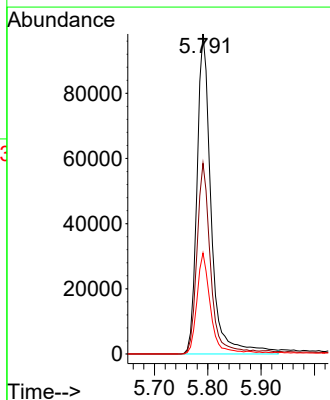
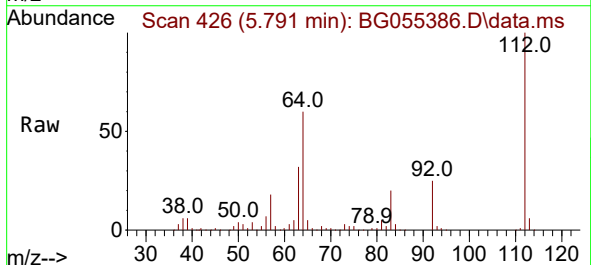
Instrument :
BNA_G
ClientSampleId :
LIQUID-WC-20221028

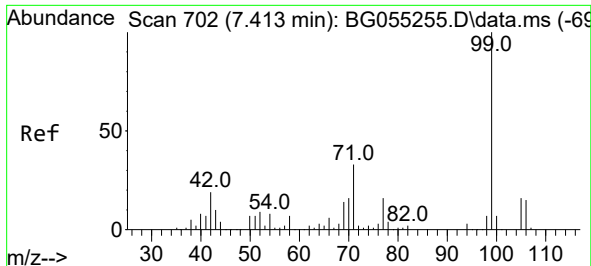
Tgt Ion:152 Resp: 33890
Ion Ratio Lower Upper
152 100
150 149.5 118.2 177.4
115 55.8 44.5 66.7



#5
2-Fluorophenol
Concen: 94.070 ng
RT: 5.791 min Scan# 426
Delta R.T. 0.006 min
Lab File: BG055386.D
Acq: 31 Oct 2022 19:53

Tgt Ion:112 Resp: 182073
Ion Ratio Lower Upper
112 100
64 59.6 52.6 78.8
63 31.5 27.1 40.7

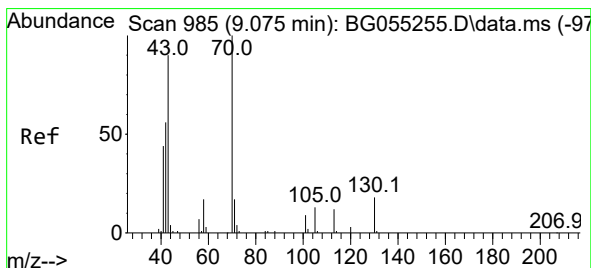
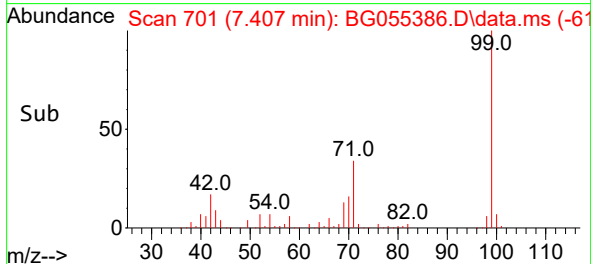
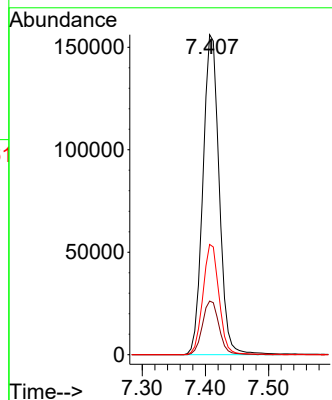
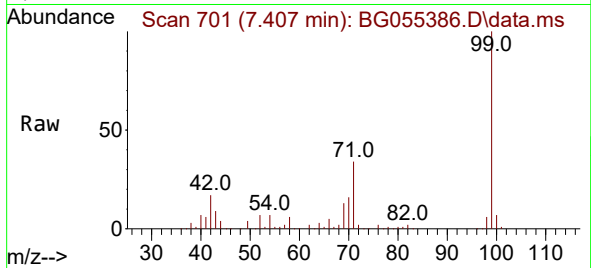




#7
Phenol-d6
Concen: 99.503 ng
RT: 7.407 min Scan# 702
Delta R.T. -0.006 min
Lab File: BG055386.D
Acq: 31 Oct 2022 19:53

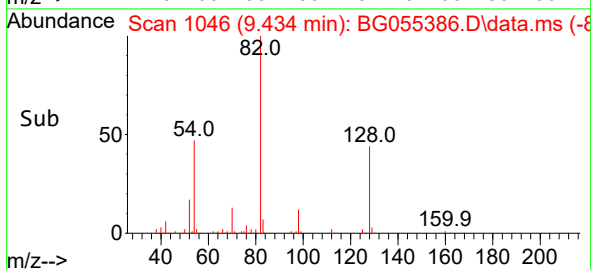
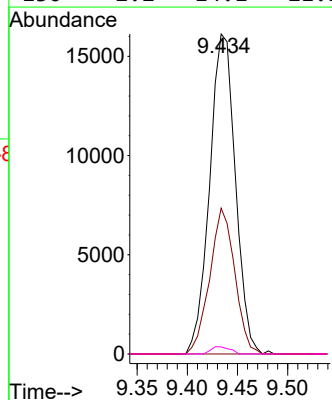
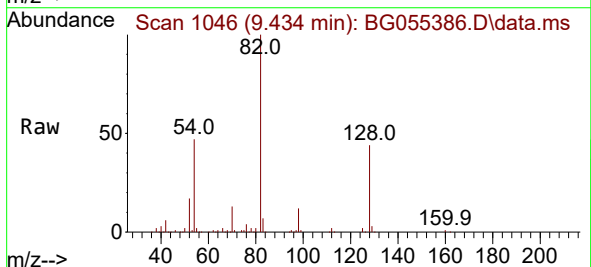
Instrument :
BNA_G
ClientSampleId :
LIQUID-WC-20221028

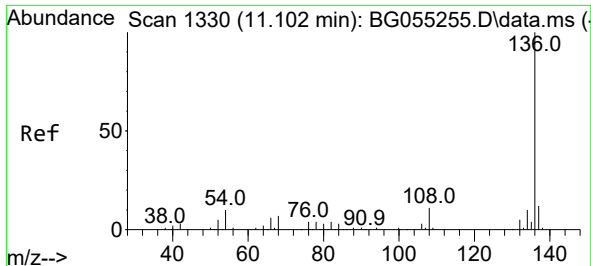
Tgt Ion: 99 Resp: 279014
Ion Ratio Lower Upper
99 100
42 16.7 15.2 22.8
71 34.5 26.2 39.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.369 ng
RT: 9.434 min Scan# 1046
Delta R.T. 0.364 min
Lab File: BG055386.D
Acq: 31 Oct 2022 19:53

Tgt Ion: 70 Resp: 28802
Ion Ratio Lower Upper
70 100
42 45.6 45.8 68.6#
101 0.0 7.4 11.0#
130 2.2 14.1 21.1#

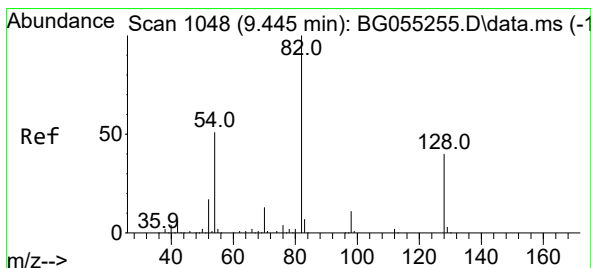
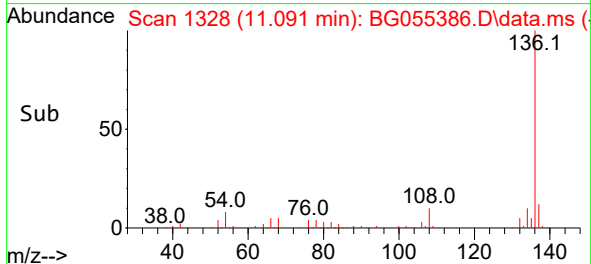
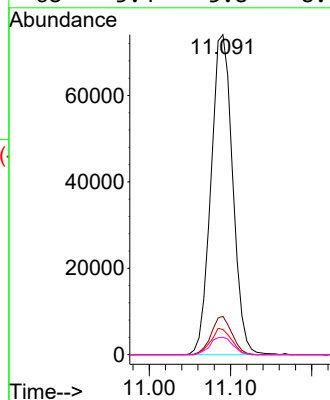
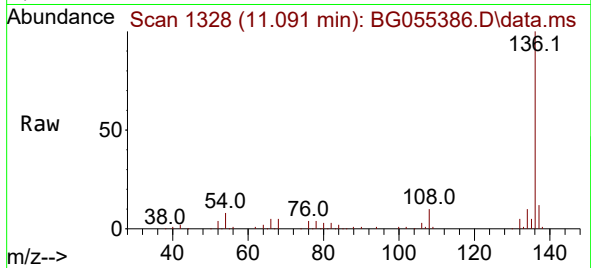




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.091 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG055386.D
Acq: 31 Oct 2022 19:53

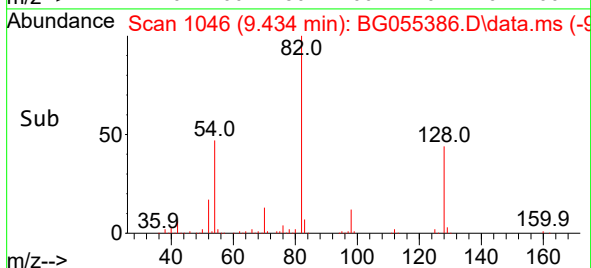
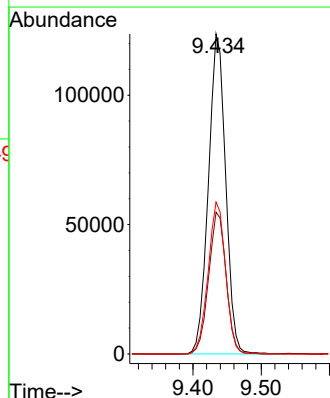
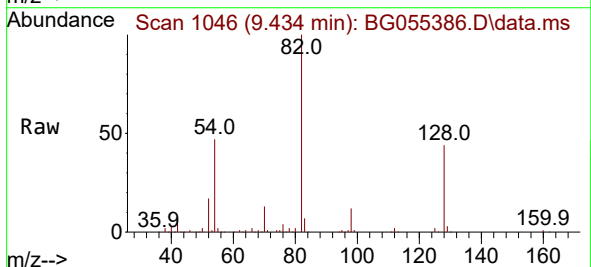
Instrument :
BNA_G
ClientSampleId :
LIQUID-WC-20221028

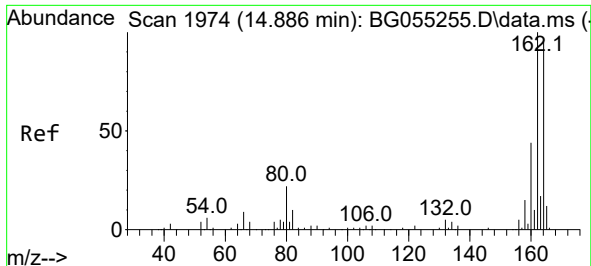
Tgt Ion:136 Resp: 137228
Ion Ratio Lower Upper
136 100
137 12.0 9.2 13.8
54 7.8 7.8 11.8
68 5.4 5.8 8.6#



#23
Nitrobenzene-d5
Concen: 81.054 ng
RT: 9.434 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BG055386.D
Acq: 31 Oct 2022 19:53

Tgt Ion: 82 Resp: 217824
Ion Ratio Lower Upper
82 100
128 44.3 32.0 48.0
54 47.5 40.9 61.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.874 min Scan# 1974

Delta R.T. -0.006 min

Lab File: BG055386.D

Acq: 31 Oct 2022 19:53

Instrument :

BNA_G

ClientSampleId :

LIQUID-WC-20221028

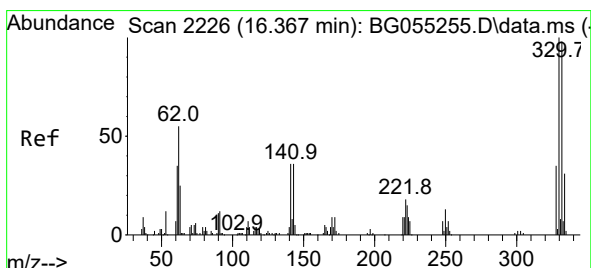
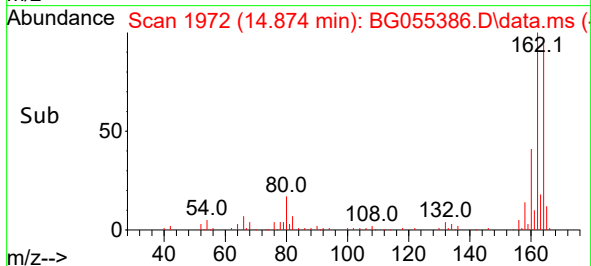
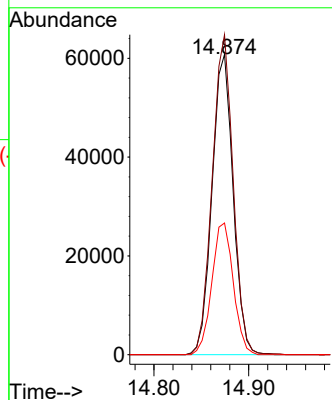
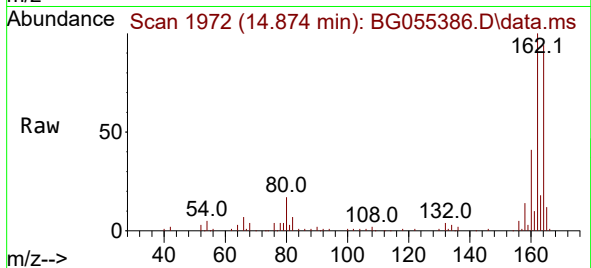
Tgt Ion:164 Resp: 93722

Ion Ratio Lower Upper

164 100

162 106.5 84.0 126.0

160 43.8 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 0.908 ng

RT: 16.379 min Scan# 2228

Delta R.T. 0.017 min

Lab File: BG055386.D

Acq: 31 Oct 2022 19:53

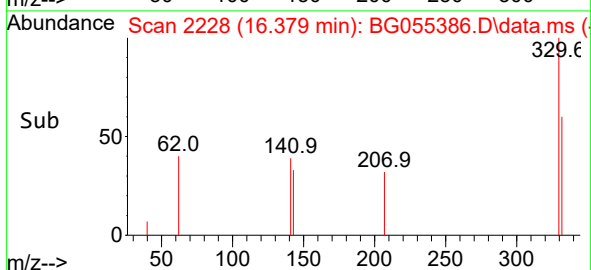
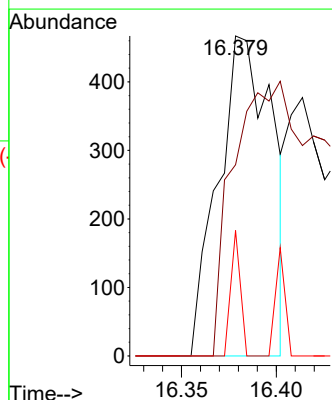
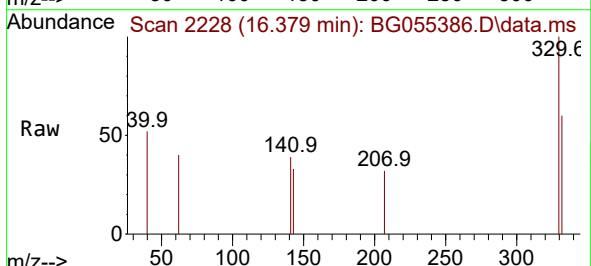
Tgt Ion:330 Resp: 925

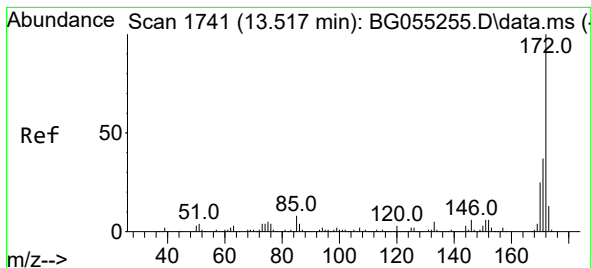
Ion Ratio Lower Upper

330 100

332 0.0 77.4 116.0#

141 7.0 29.8 44.8#





#45

2-Fluorobiphenyl

Concen: 91.223 ng

RT: 13.500 min Scan# 1

Delta R.T. -0.012 min

Lab File: BG055386.D

Acq: 31 Oct 2022 19:53

Instrument :

BNA_G

ClientSampleId :

LIQUID-WC-20221028

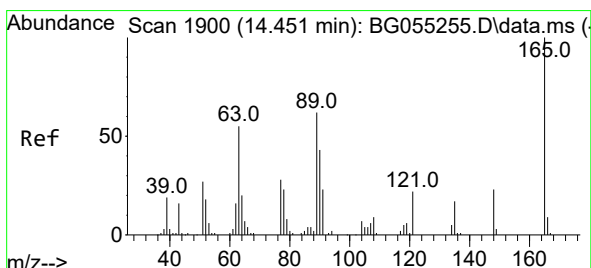
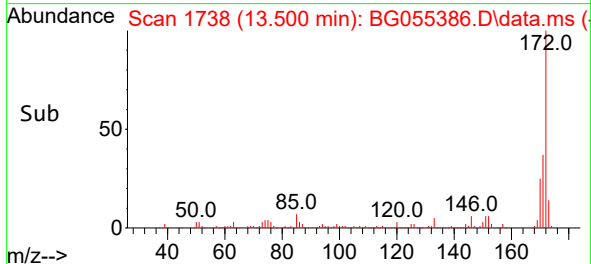
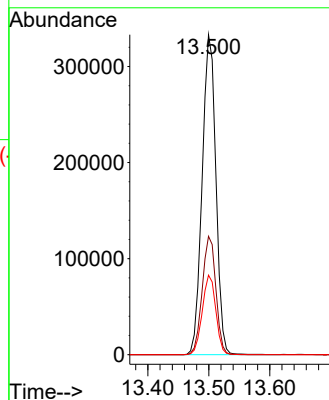
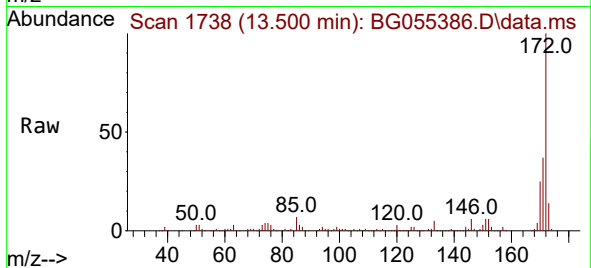
Tgt Ion:172 Resp: 522353

Ion Ratio Lower Upper

172 100

171 37.0 29.7 44.5

170 24.8 20.2 30.2



#51

2,6-Dinitrotoluene

Concen: 8.126 ng

RT: 14.874 min Scan# 1972

Delta R.T. 0.423 min

Lab File: BG055386.D

Acq: 31 Oct 2022 19:53

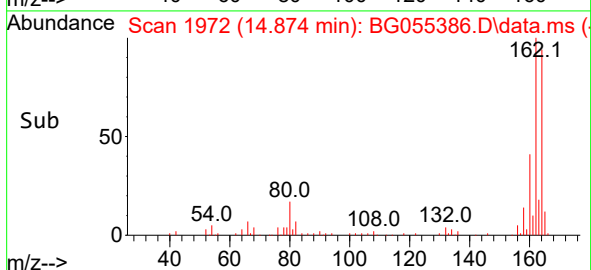
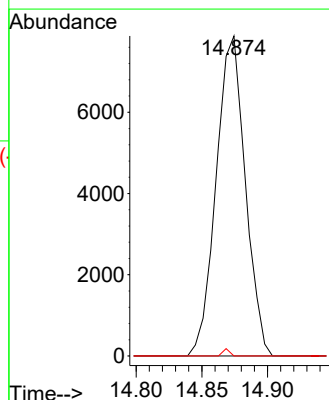
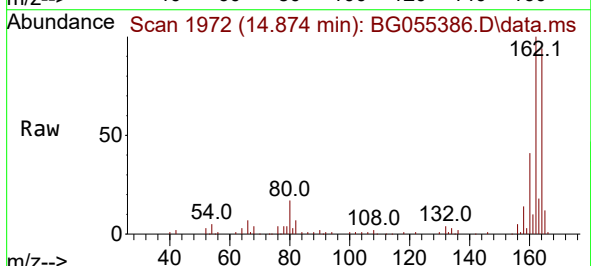
Tgt Ion:165 Resp: 12168

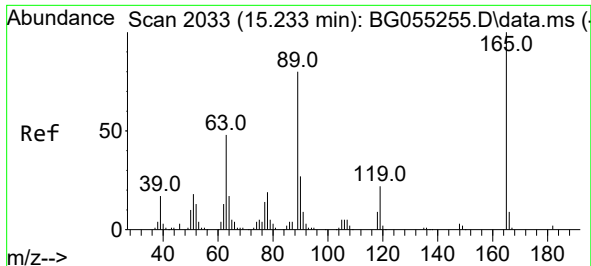
Ion Ratio Lower Upper

165 100

63 0.0 49.2 73.8#

89 0.0 49.9 74.9#





#57

2,4-Dinitrotoluene

Concen: 5.600 ng

RT: 14.874 min Scan# 1972

Delta R.T. -0.359 min

Lab File: BG055386.D

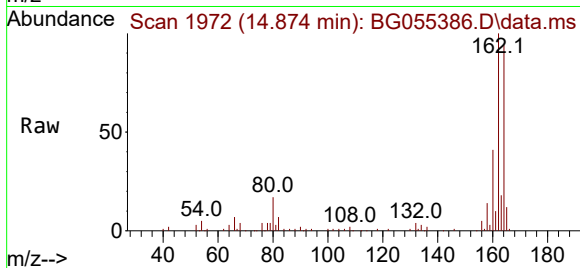
Acq: 31 Oct 2022 19:53

Instrument :

BNA_G

ClientSampleId :

LIQUID-WC-20221028



Tgt Ion:165 Resp: 12168

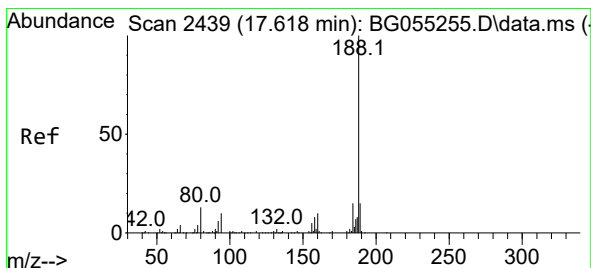
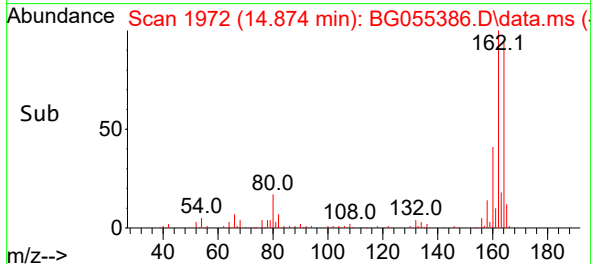
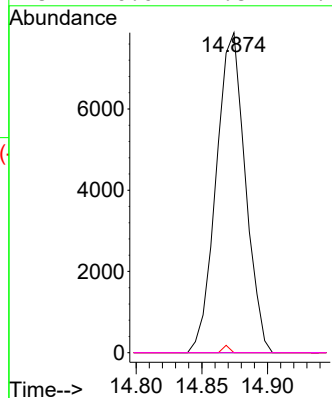
Ion Ratio Lower Upper

165 100

63 0.0 38.9 58.3#

89 0.0 64.2 96.4#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.606 min Scan# 2437

Delta R.T. -0.006 min

Lab File: BG055386.D

Acq: 31 Oct 2022 19:53

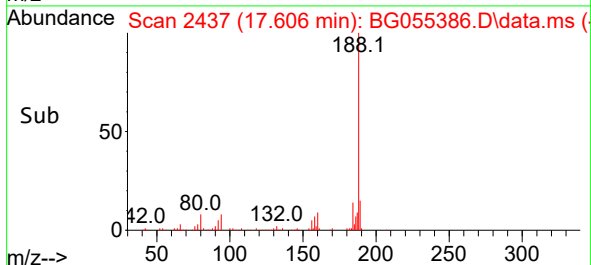
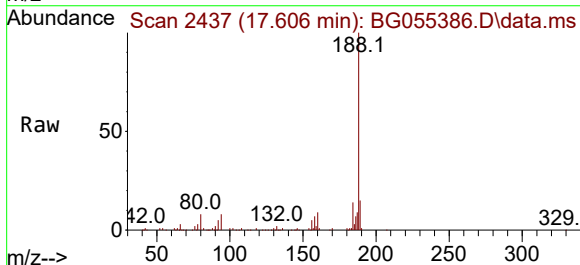
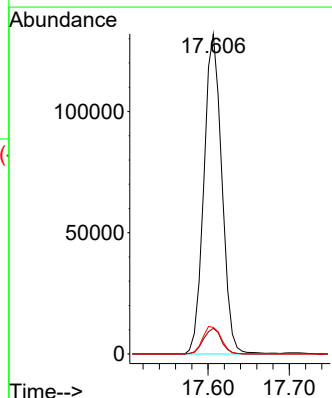
Tgt Ion:188 Resp: 201745

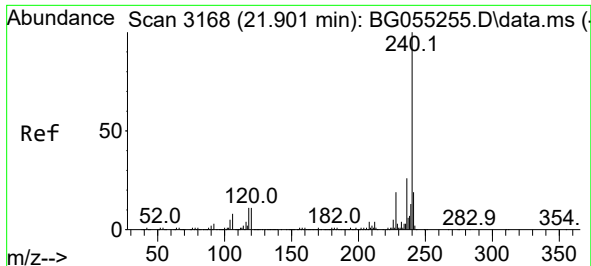
Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.4#

80 8.3 10.1 15.1#

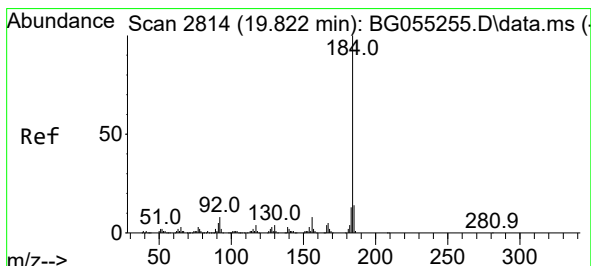
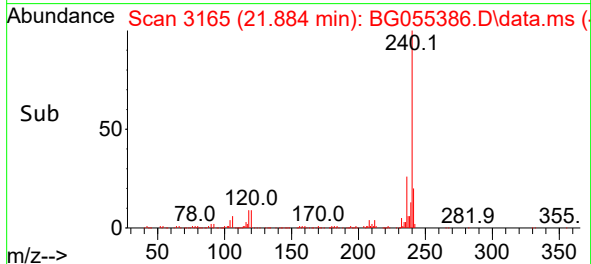
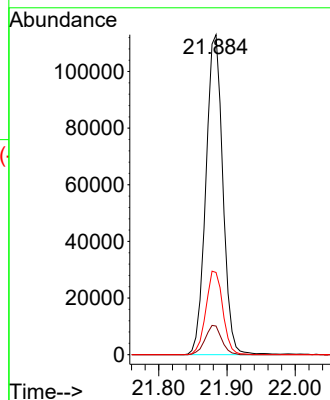
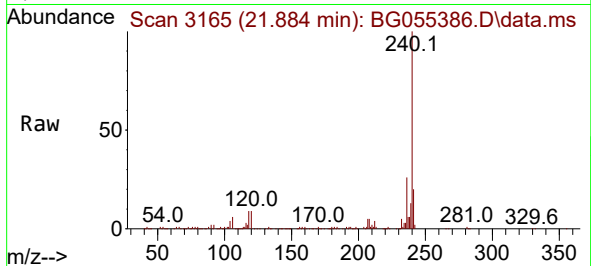




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.884 min Scan# 3165
Delta R.T. -0.006 min
Lab File: BG055386.D
Acq: 31 Oct 2022 19:53

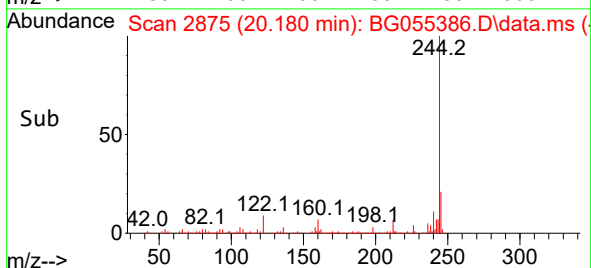
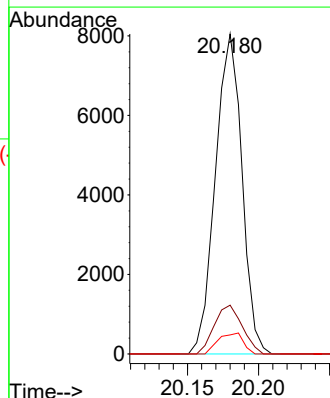
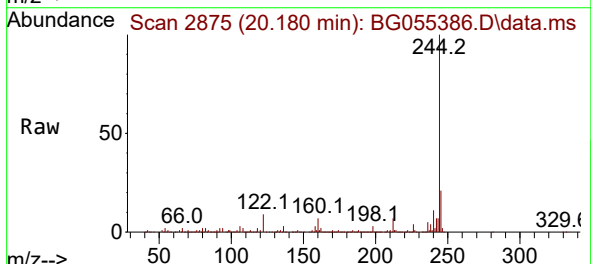
Instrument :
BNA_G
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LIQUID-WC-20221028

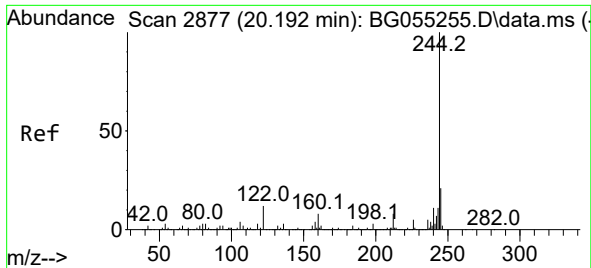
Tgt Ion:240 Resp: 194787
Ion Ratio Lower Upper
240 100
120 8.9 8.9 13.3
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.213 ng
RT: 20.180 min Scan# 2875
Delta R.T. 0.364 min
Lab File: BG055386.D
Acq: 31 Oct 2022 19:53

Tgt Ion:184 Resp: 10439
Ion Ratio Lower Upper
184 100
185 15.3 11.0 16.6
183 6.0 10.0 15.0#

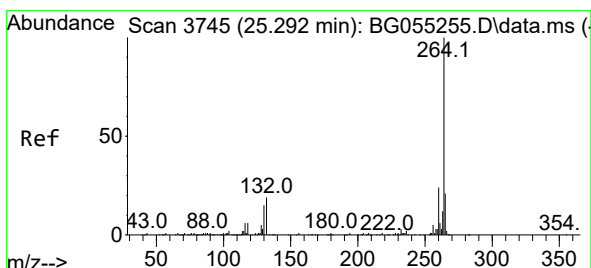
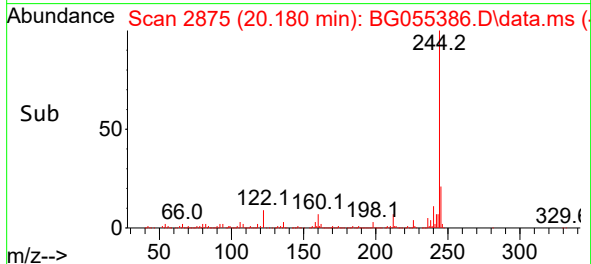
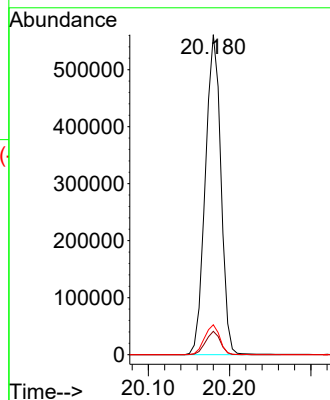
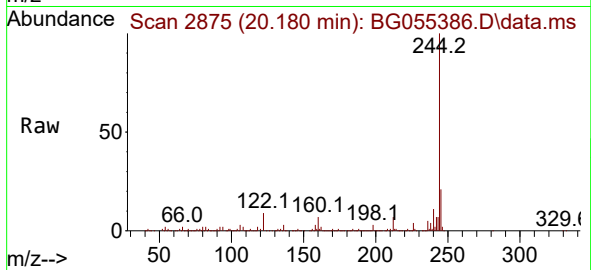




#79
 Terphenyl-d14
 Concen: 79.535 ng
 RT: 20.180 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG055386.D
 Acq: 31 Oct 2022 19:53

Instrument :
 BNA_G
 ClientSampleId :
 LIQUID-WC-20221028

Tgt Ion:244 Resp: 745651
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 9.3 9.6 14.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.274 min Scan# 3742
 Delta R.T. -0.012 min
 Lab File: BG055386.D
 Acq: 31 Oct 2022 19:53

Tgt Ion:264 Resp: 207843
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 20.5 17.4 26.2

