

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102822\
 Data File : BG055336.D
 Acq On : 28 Oct 2022 11:03
 Operator : CG/JU
 Sample : PB148486BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB148486BL

Quant Time: Oct 29 04:28:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

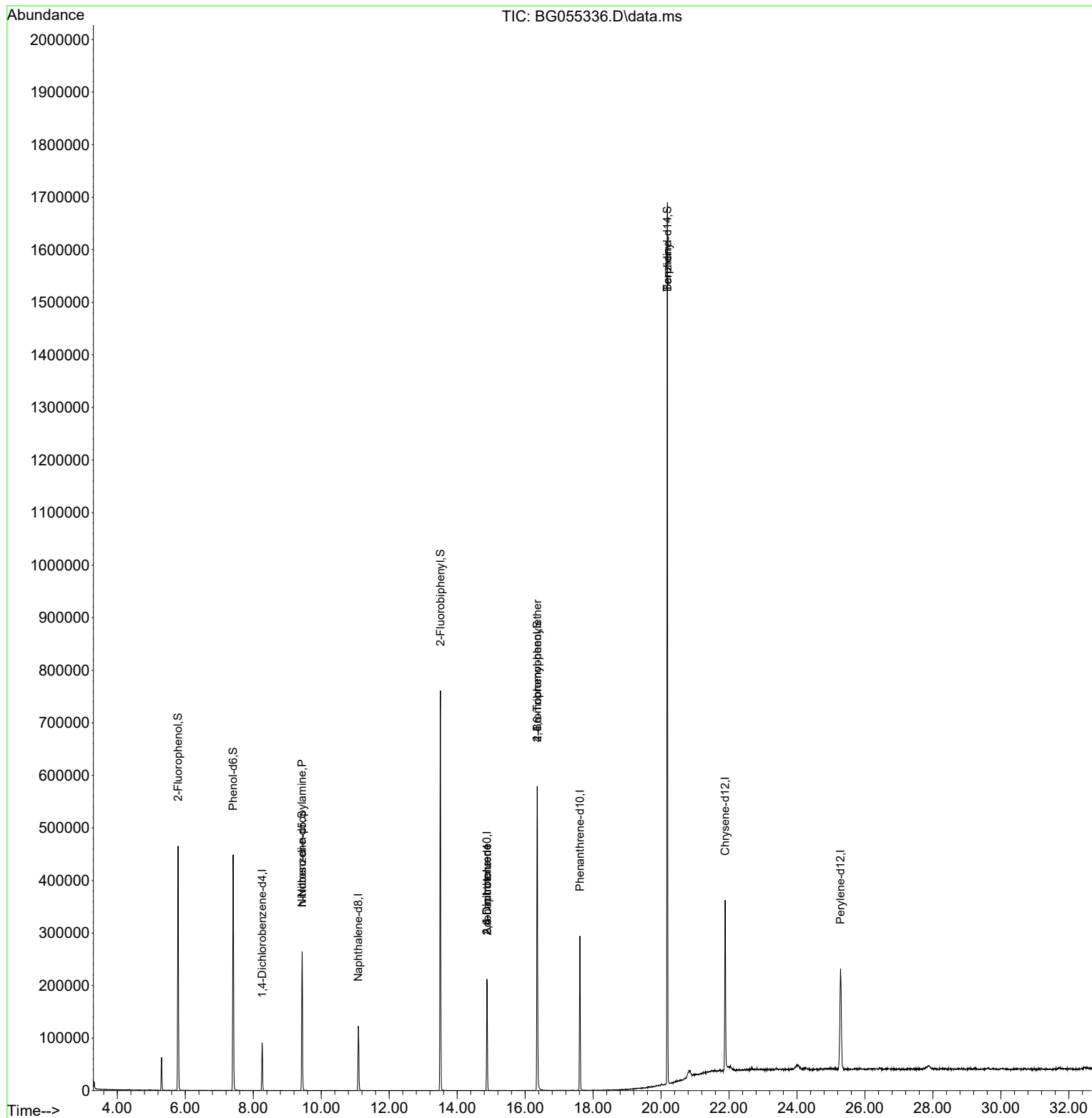
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.261	152	26934	20.000	ng	-0.01
21) Naphthalene-d8	11.093	136	112829	20.000	ng	0.00
39) Acenaphthene-d10	14.877	164	76827	20.000	ng	0.00
64) Phenanthrene-d10	17.615	188	192159	20.000	ng	# 0.00
76) Chrysene-d12	21.886	240	202011	20.000	ng	-0.02
86) Perylene-d12	25.282	264	214291	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.788	112	210750	137.008	ng	0.00
7) Phenol-d6	7.409	99	272612	122.328	ng	0.00
23) Nitrobenzene-d5	9.436	82	167939	76.005	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	129445	154.991	ng	0.00
45) 2-Fluorobiphenyl	13.508	172	403182	85.896	ng	0.00
79) Terphenyl-d14	20.188	244	842256	86.626	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.436	70	22145	11.966	ng	# 76
51) 2,6-Dinitrotoluene	14.877	165	10365	8.444	ng	# 19
57) 2,4-Dinitrotoluene	14.877	165	10365	5.819	ng	# 18
67) 4-Bromophenyl-phenylether	16.358	248	8125	4.352	ng	# 1
77) Benzidine	20.188	184	12415	2.538	ng	# 94

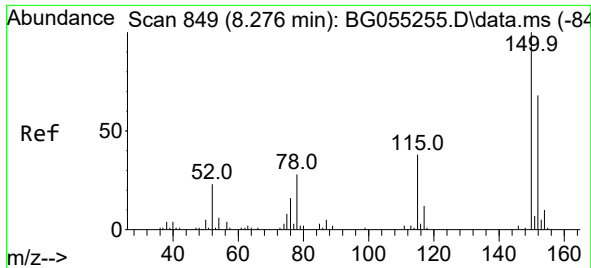
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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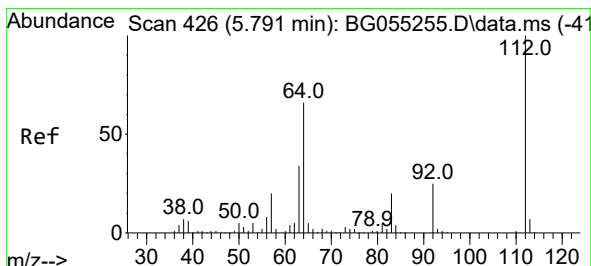
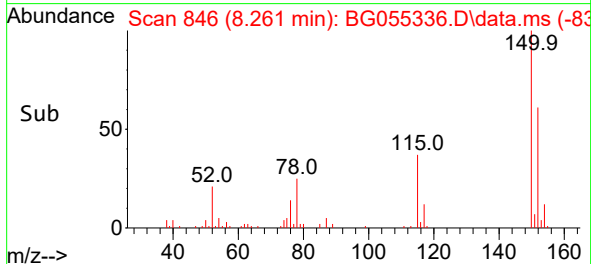
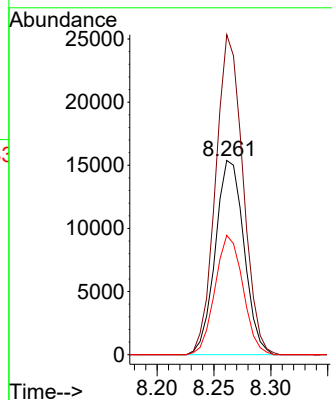
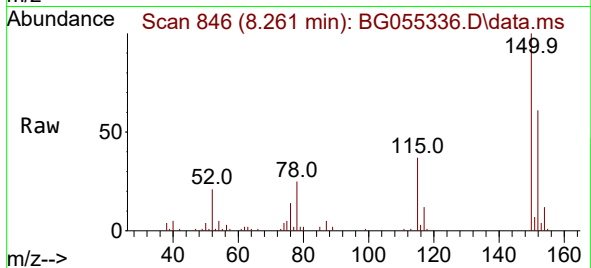




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.261 min Scan# 84
Delta R.T. -0.015 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

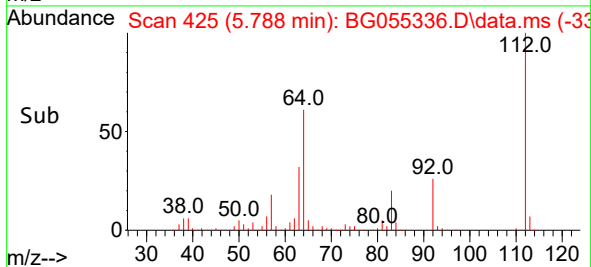
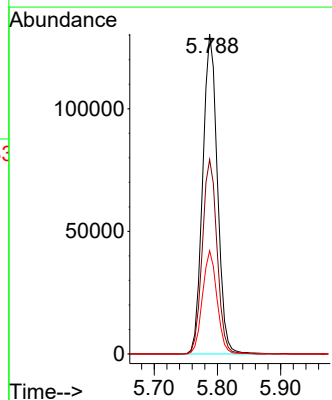
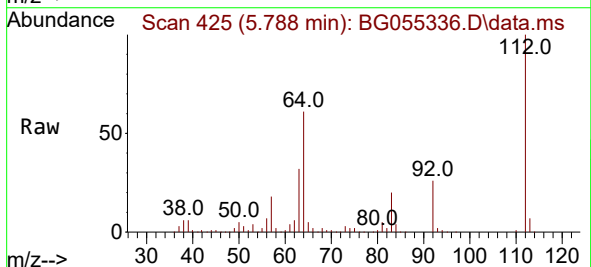
Instrument :
BNA_G
ClientSampleId :
PB148486BL

Tgt Ion:152 Resp: 26934
Ion Ratio Lower Upper
152 100
150 164.8 118.2 177.4
115 61.5 44.5 66.7



#5
2-Fluorophenol
Concen: 137.008 ng
RT: 5.788 min Scan# 425
Delta R.T. -0.003 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

Tgt Ion:112 Resp: 210750
Ion Ratio Lower Upper
112 100
64 60.7 52.6 78.8
63 32.3 27.1 40.7

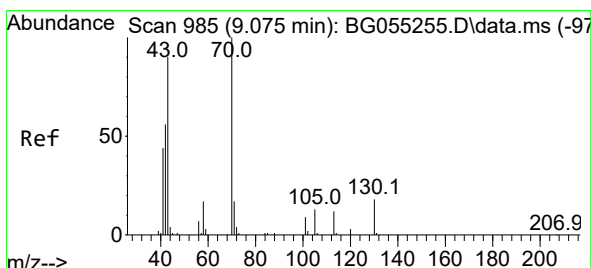
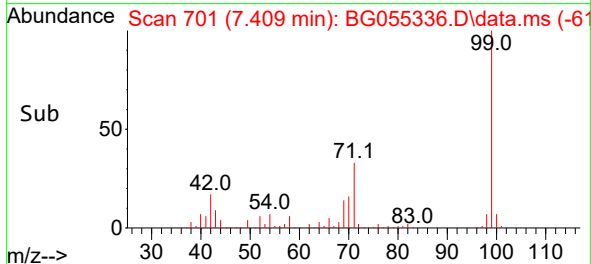
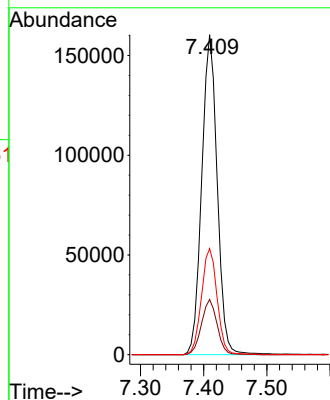
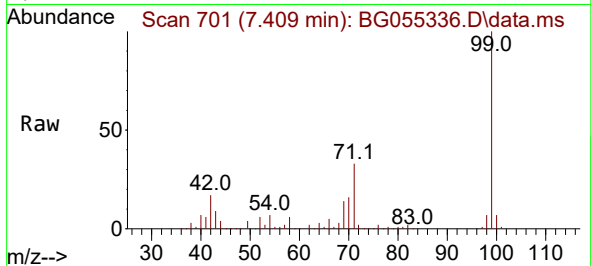




#7
Phenol-d6
Concen: 122.328 ng
RT: 7.409 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

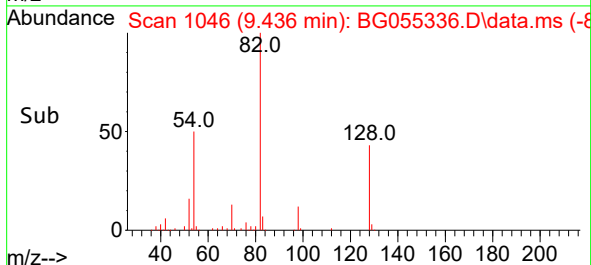
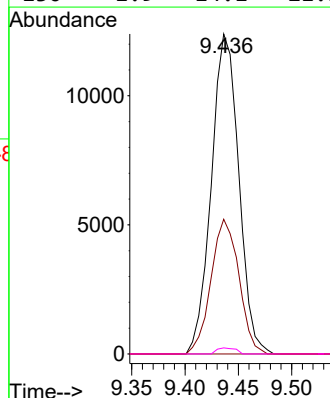
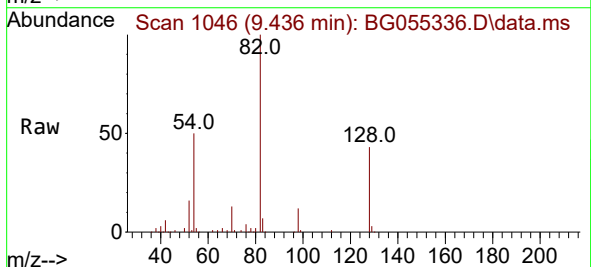
Instrument :
BNA_G
ClientSampleId :
PB148486BL

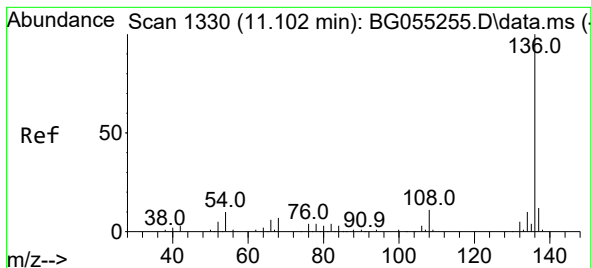
Tgt Ion: 99 Resp: 272612
Ion Ratio Lower Upper
99 100
42 17.3 15.2 22.8
71 33.2 26.2 39.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.966 ng
RT: 9.436 min Scan# 1046
Delta R.T. 0.361 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

Tgt Ion: 70 Resp: 22145
Ion Ratio Lower Upper
70 100
42 42.1 45.8 68.6#
101 0.0 7.4 11.0#
130 1.9 14.1 21.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.093 min Scan# 11

Delta R.T. -0.009 min

Lab File: BG055336.D

Acq: 28 Oct 2022 11:03

Instrument :

BNA_G

ClientSampleId :

PB148486BL

Tgt Ion:136 Resp: 112829

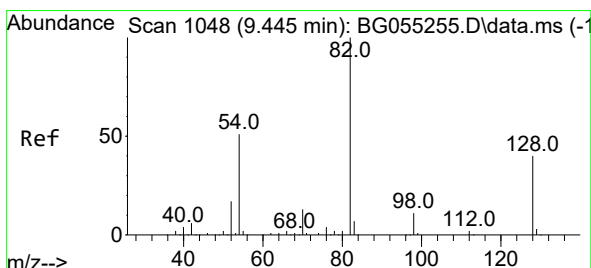
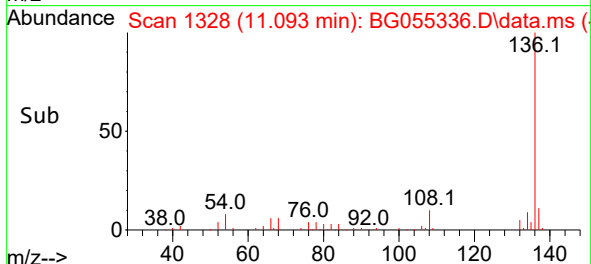
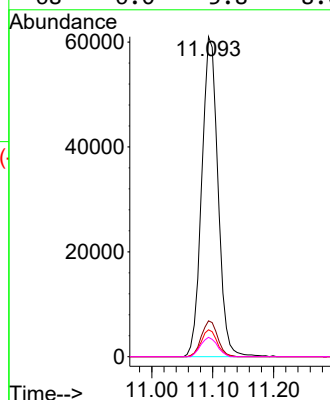
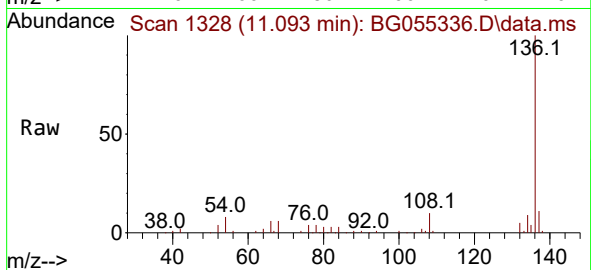
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 8.4 7.8 11.8

68 6.0 5.8 8.6



#23

Nitrobenzene-d5

Concen: 76.005 ng

RT: 9.436 min Scan# 1046

Delta R.T. -0.009 min

Lab File: BG055336.D

Acq: 28 Oct 2022 11:03

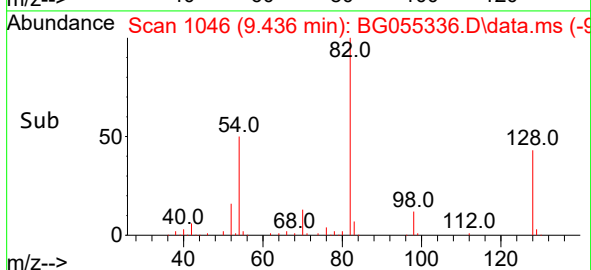
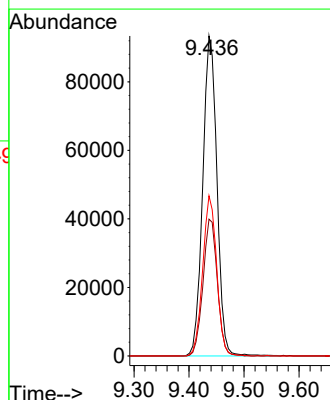
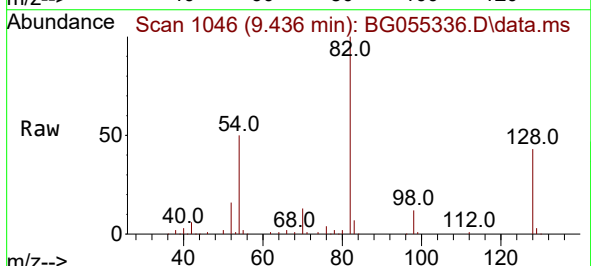
Tgt Ion: 82 Resp: 167939

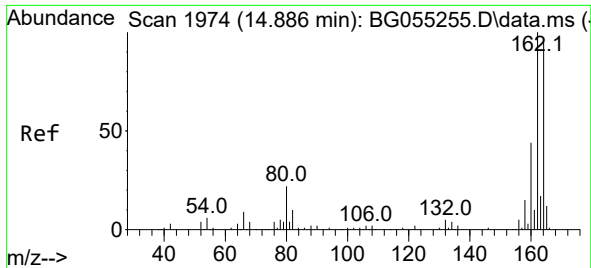
Ion Ratio Lower Upper

82 100

128 42.7 32.0 48.0

54 50.1 40.9 61.3

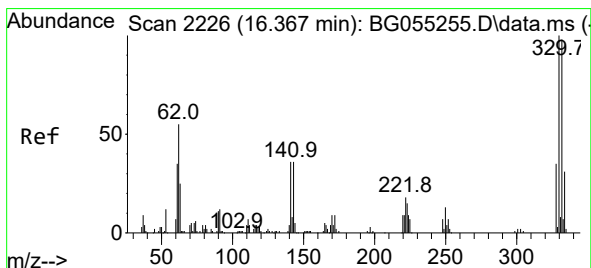
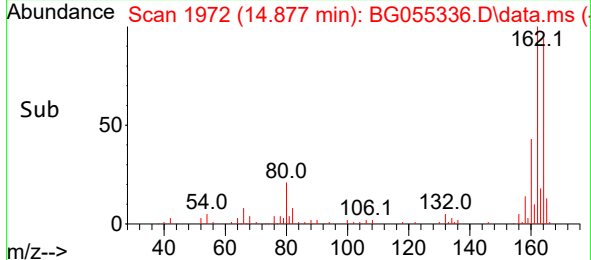
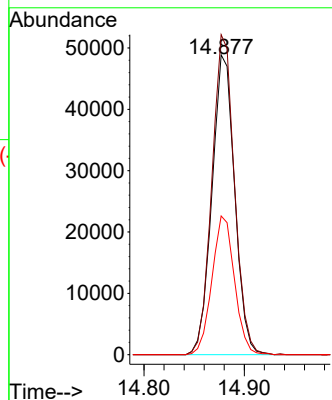
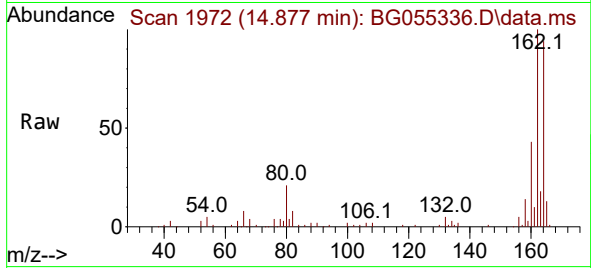




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.877 min Scan# 1974
Delta R.T. -0.009 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

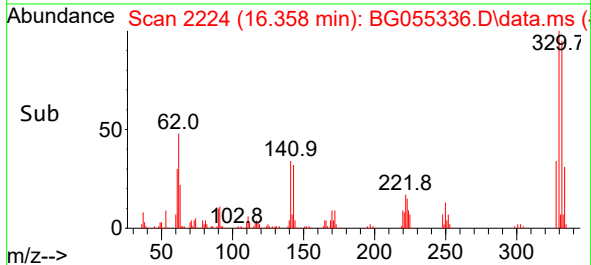
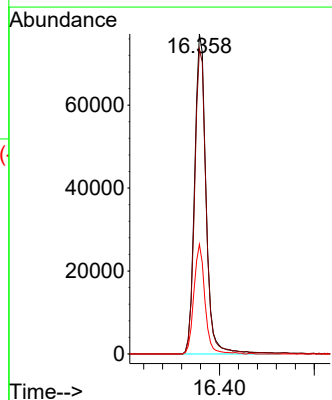
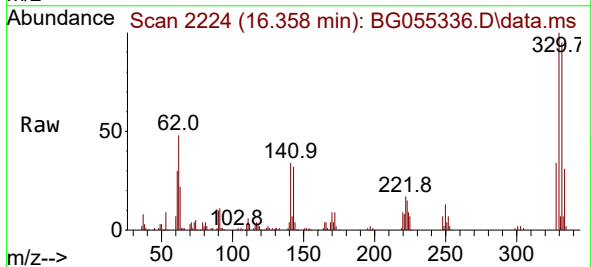
Instrument :
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ClientSampleId :
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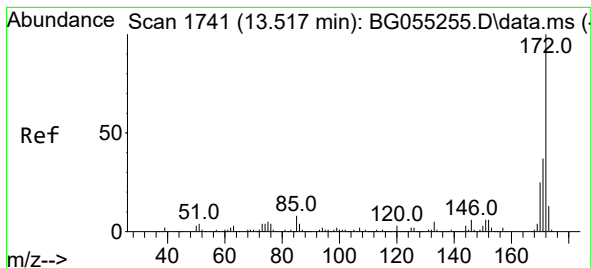
Tgt Ion:164 Resp: 76827
Ion Ratio Lower Upper
164 100
162 106.7 84.0 126.0
160 46.3 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 154.991 ng
RT: 16.358 min Scan# 2224
Delta R.T. -0.009 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

Tgt Ion:330 Resp: 129445
Ion Ratio Lower Upper
330 100
332 95.5 77.4 116.0
141 33.0 29.8 44.8





#45

2-Fluorobiphenyl

Concen: 85.896 ng

RT: 13.508 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG055336.D

Acq: 28 Oct 2022 11:03

Instrument :

BNA_G

ClientSampleId :

PB148486BL

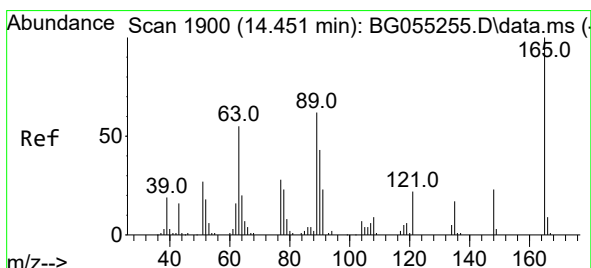
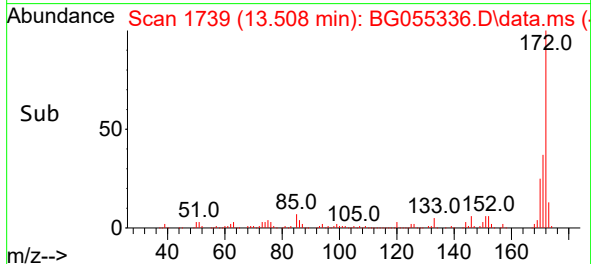
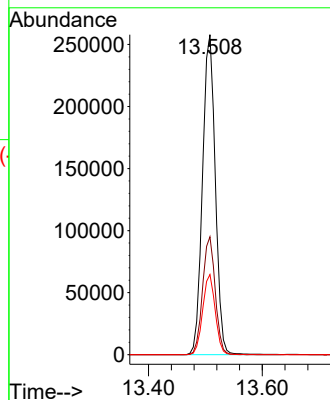
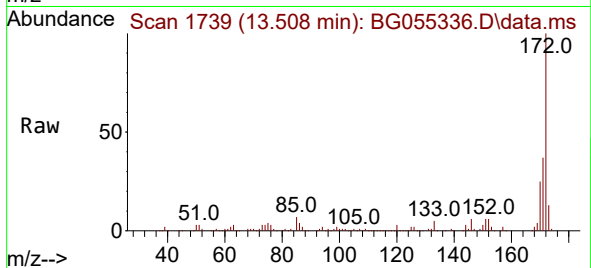
Tgt Ion:172 Resp: 403182

Ion Ratio Lower Upper

172 100

171 36.8 29.7 44.5

170 25.1 20.2 30.2



#51

2,6-Dinitrotoluene

Concen: 8.444 ng

RT: 14.877 min Scan# 1972

Delta R.T. 0.426 min

Lab File: BG055336.D

Acq: 28 Oct 2022 11:03

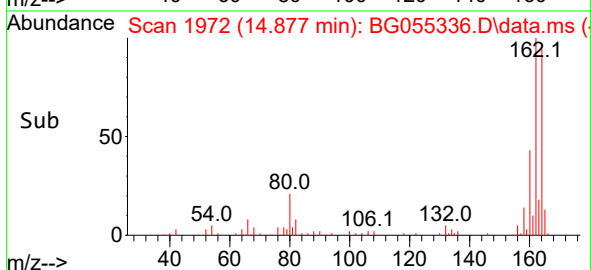
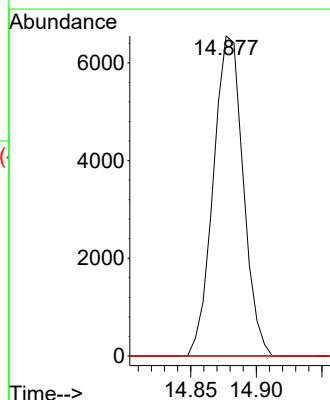
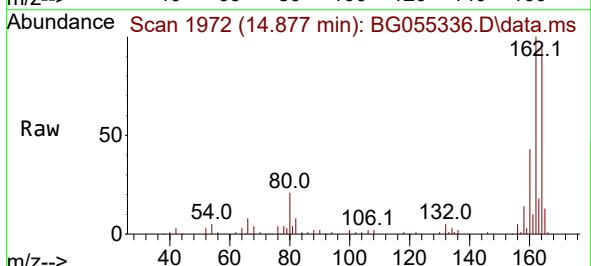
Tgt Ion:165 Resp: 10365

Ion Ratio Lower Upper

165 100

63 0.0 49.2 73.8#

89 0.0 49.9 74.9#

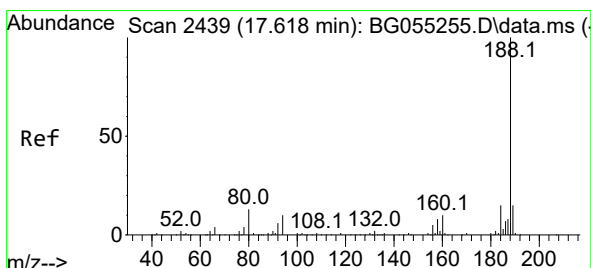
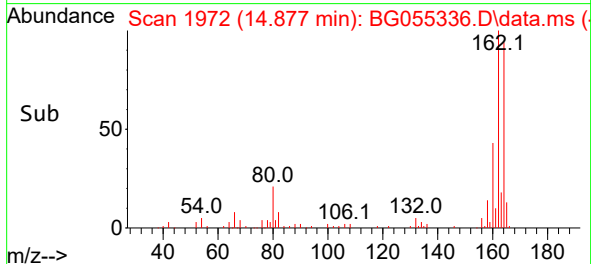
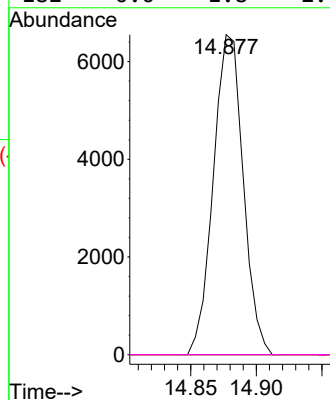
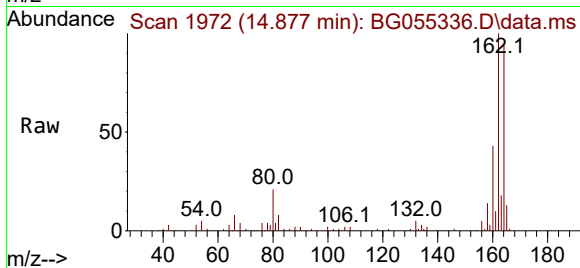




#57
2,4-Dinitrotoluene
Concen: 5.819 ng
RT: 14.877 min Scan# 1972
Delta R.T. -0.356 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

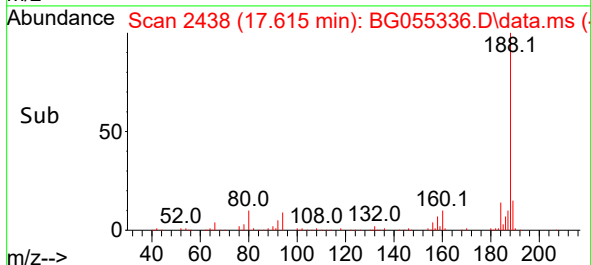
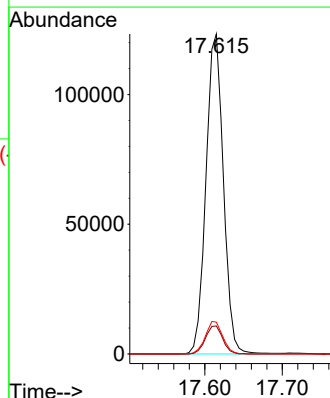
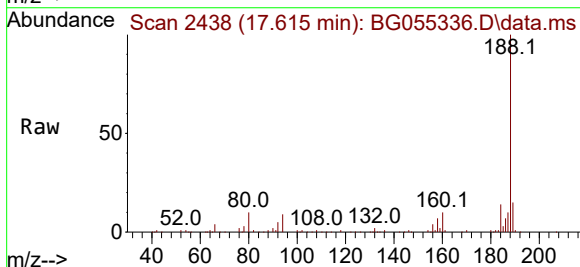
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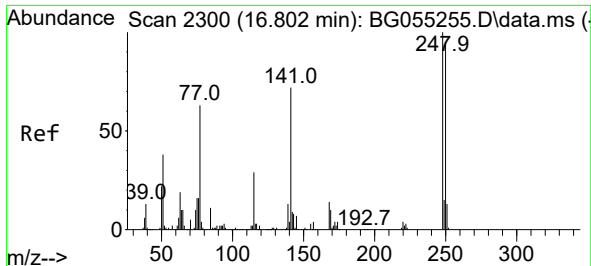
Tgt Ion:165 Resp: 10365
Ion Ratio Lower Upper
165 100
63 0.0 38.9 58.3#
89 0.0 64.2 96.4#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.615 min Scan# 2438
Delta R.T. -0.003 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

Tgt Ion:188 Resp: 192159
Ion Ratio Lower Upper
188 100
94 8.8 8.2 12.4
80 10.0 10.1 15.1#

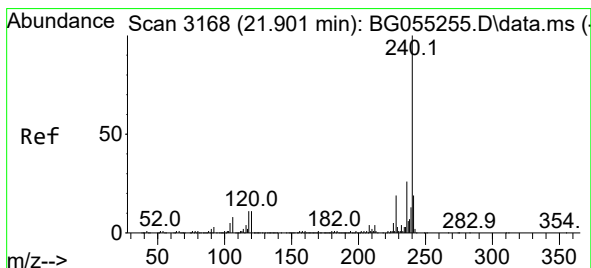
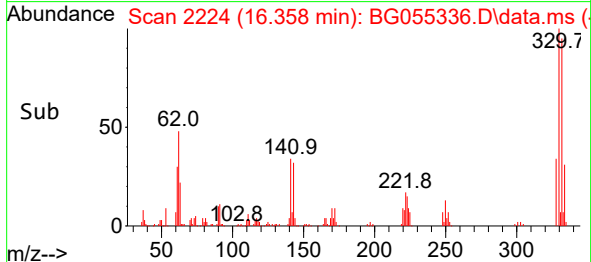
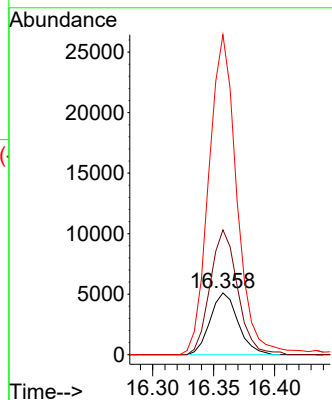
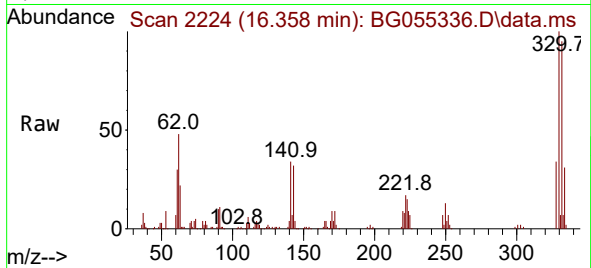




#67
4-Bromophenyl-phenylether
Concen: 4.352 ng
RT: 16.358 min Scan# 21
Delta R.T. -0.444 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

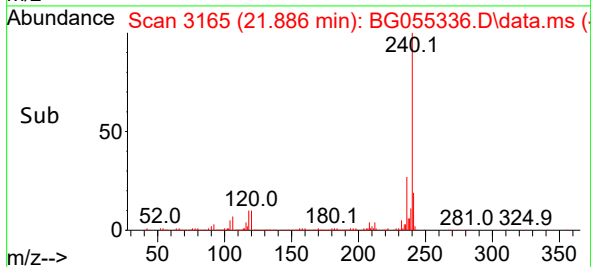
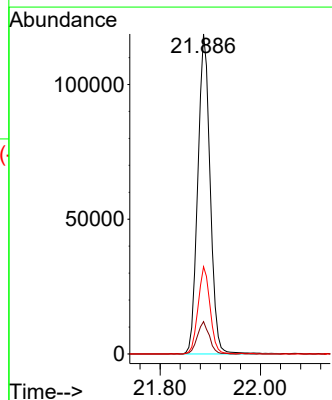
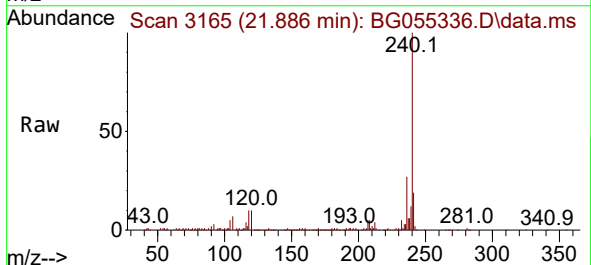
Instrument :
BNA_G
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PB148486BL

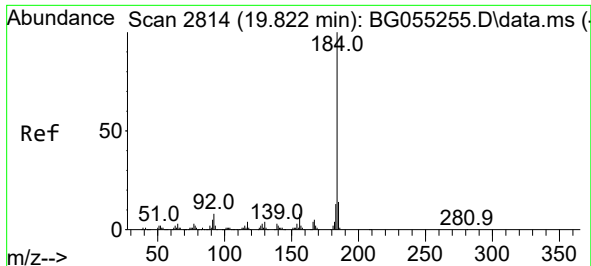
Tgt Ion:248 Resp: 8125
Ion Ratio Lower Upper
248 100
250 201.9 76.0 114.0#
141 517.4 58.0 87.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.886 min Scan# 3165
Delta R.T. -0.015 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

Tgt Ion:240 Resp: 202011
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 27.3 21.0 31.4

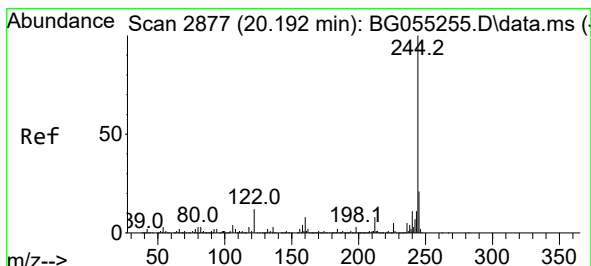
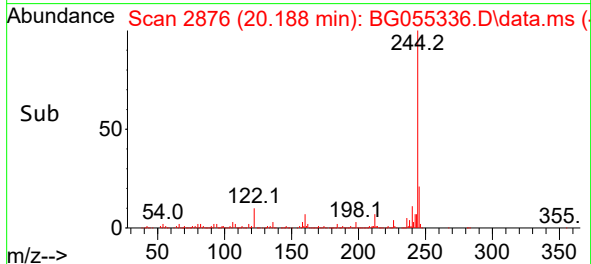
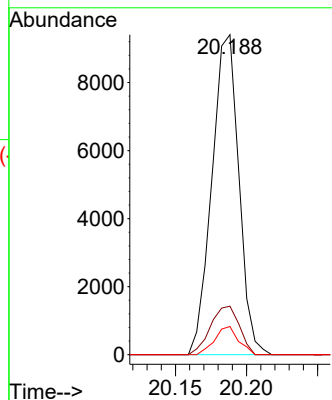
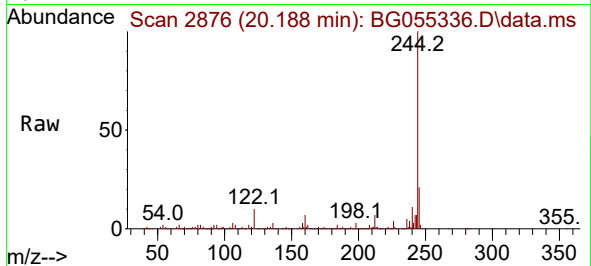




#77
Benzidine
Concen: 2.538 ng
RT: 20.188 min Scan# 2876
Delta R.T. 0.366 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

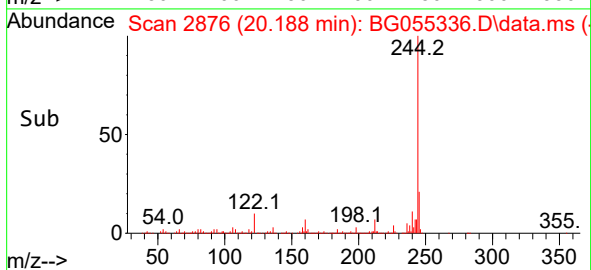
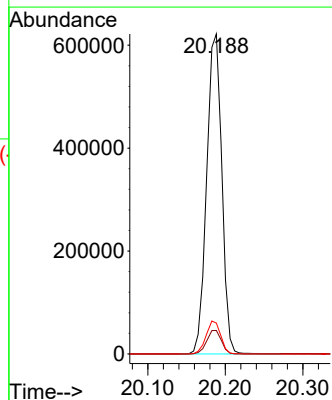
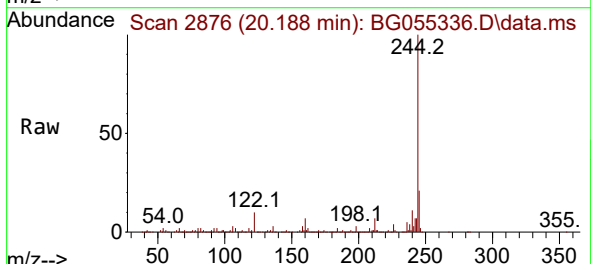
Instrument :
BNA_G
ClientSampleId :
PB148486BL

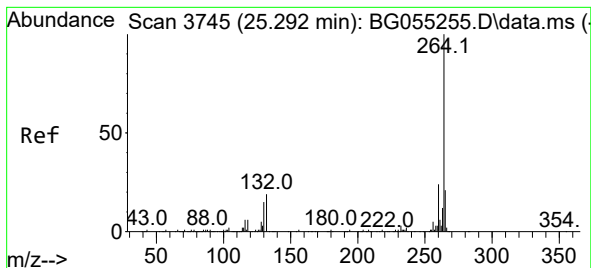
Tgt Ion:184 Resp: 12415
Ion Ratio Lower Upper
184 100
185 15.1 11.0 16.6
183 8.8 10.0 15.0#



#79
Terphenyl-d14
Concen: 86.626 ng
RT: 20.188 min Scan# 2876
Delta R.T. -0.003 min
Lab File: BG055336.D
Acq: 28 Oct 2022 11:03

Tgt Ion:244 Resp: 842256
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 9.7 9.6 14.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.282 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG055336.D

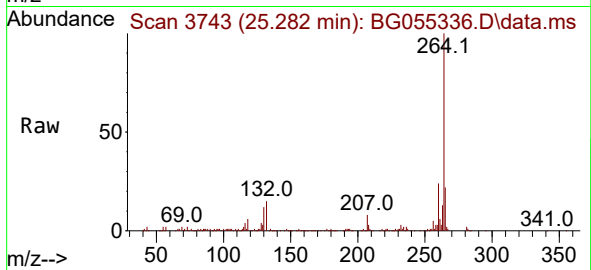
Acq: 28 Oct 2022 11:03

Instrument :

BNA_G

ClientSampleId :

PB148486BL



Tgt Ion:264 Resp: 214291

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 22.1 17.4 26.2

