

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
 Data File : BG054411.D
 Acq On : 27 Jul 2022 11:17
 Operator : CG/JU
 Sample : PB146452BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB146452BL

Quant Time: Jul 28 04:32:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

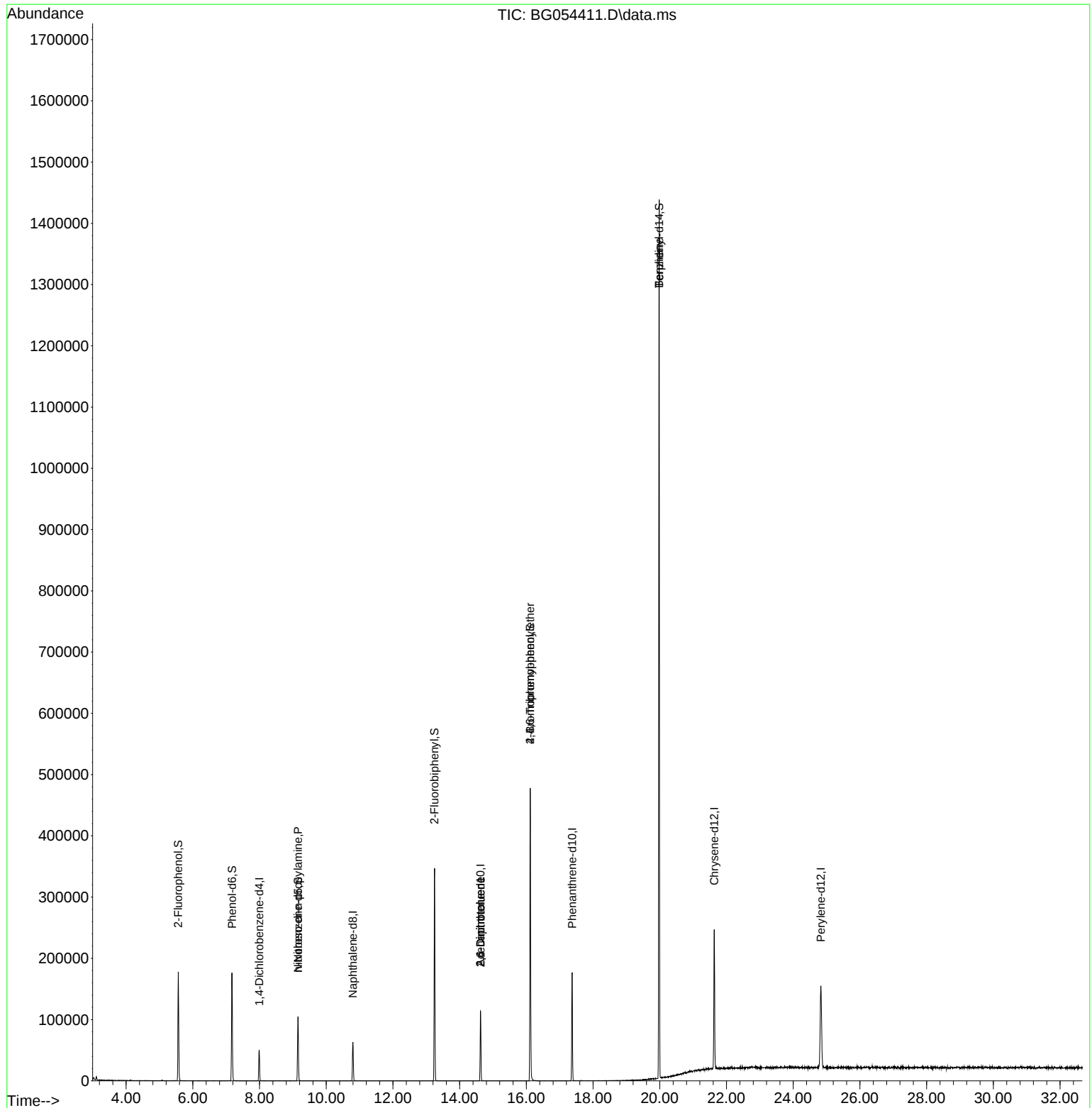
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	16243	20.000	ng	0.00
21) Naphthalene-d8	10.797	136	59663	20.000	ng	# 0.00
39) Acenaphthene-d10	14.622	164	46518	20.000	ng	0.00
64) Phenanthrene-d10	17.372	188	132724	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	159319	20.000	ng	# 0.00
86) Perylene-d12	24.828	264	168102	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	78505	100.911	ng	0.00
7) Phenol-d6	7.172	99	102205	95.877	ng	0.00
23) Nitrobenzene-d5	9.152	82	66729	60.906	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	129308	132.392	ng	0.00
45) 2-Fluorobiphenyl	13.247	172	206345	62.576	ng	0.00
79) Terphenyl-d14	19.980	244	815077	101.491	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.152	70	9701	13.628	ng	# 81
51) 2,6-Dinitrotoluene	14.622	165	6139	7.703	ng	# 18
57) 2,4-Dinitrotoluene	14.622	165	6139	5.373	ng	# 24
67) 4-Bromophenyl-phenylether	16.114	248	7906	4.241	ng	# 1
77) Benzidine	19.980	184	10872	3.768	ng	# 96

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

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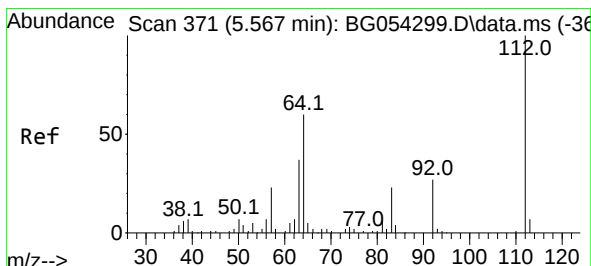
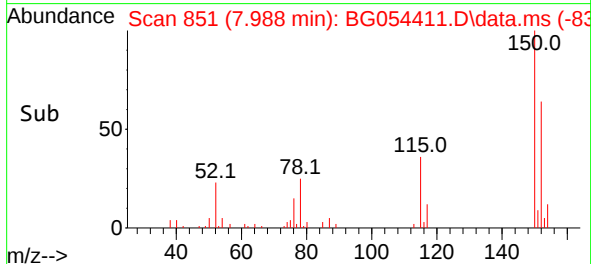
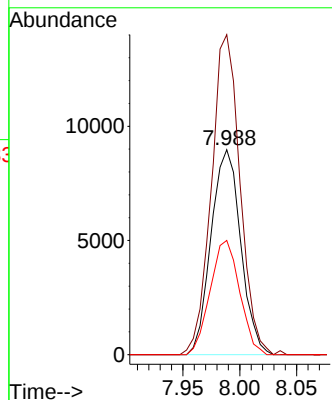
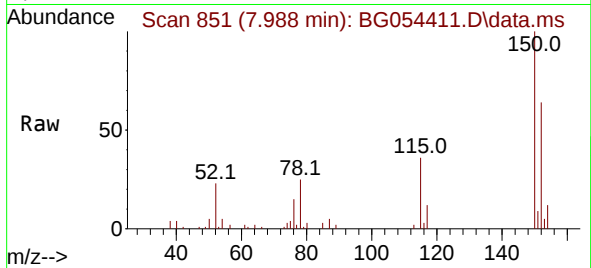




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

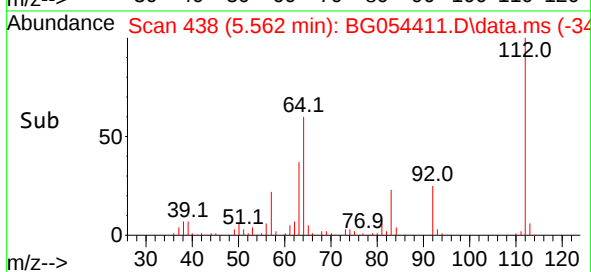
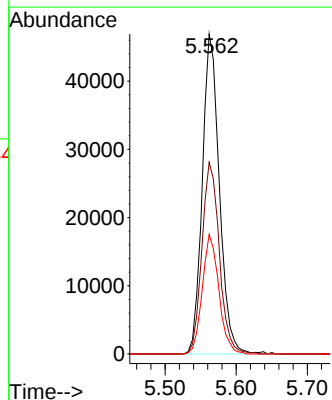
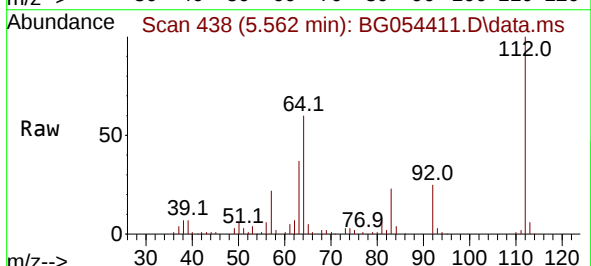
Instrument :
BNA_G
ClientSampleId :
PB146452BL

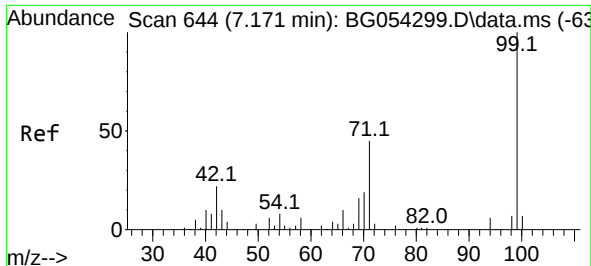
Tgt Ion:152 Resp: 16243
Ion Ratio Lower Upper
152 100
150 156.2 131.6 197.4
115 55.8 50.9 76.3



#5
2-Fluorophenol
Concen: 100.911 ng
RT: 5.562 min Scan# 438
Delta R.T. 0.000 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

Tgt Ion:112 Resp: 78505
Ion Ratio Lower Upper
112 100
64 59.9 55.1 82.7
63 37.4 30.4 45.6

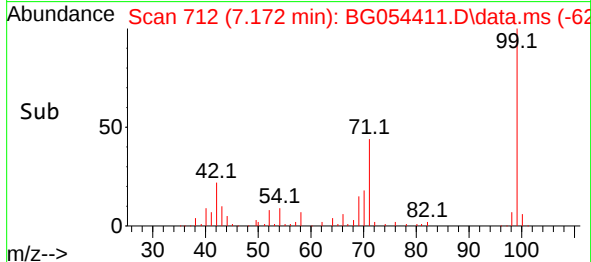
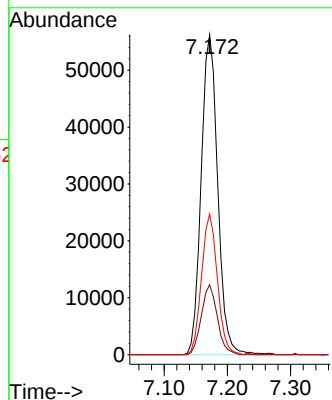
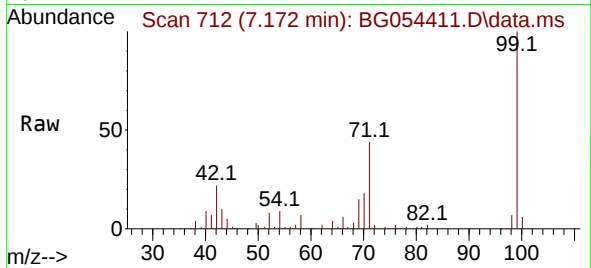




#7
Phenol-d6
Concen: 95.877 ng
RT: 7.172 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

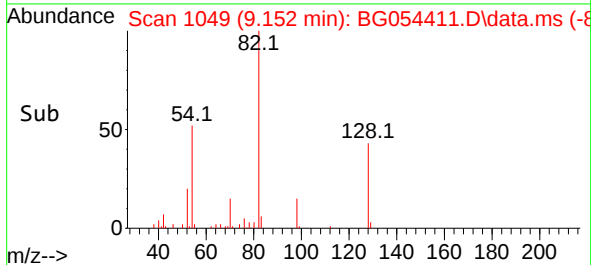
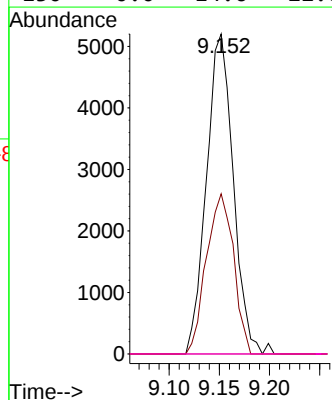
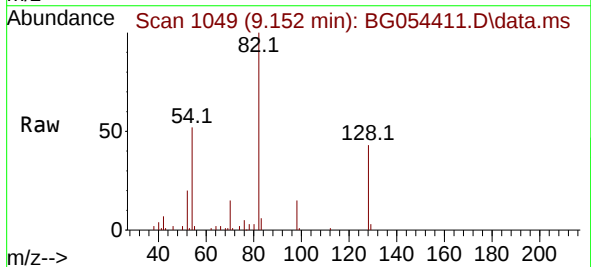
Instrument :
BNA_G
ClientSampleId :
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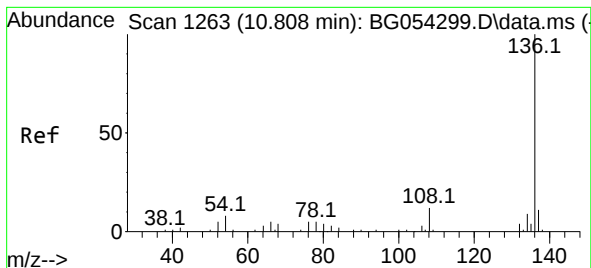
Tgt Ion: 99 Resp: 102205
Ion Ratio Lower Upper
99 100
42 21.9 17.0 25.6
71 43.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.628 ng
RT: 9.152 min Scan# 1049
Delta R.T. 0.359 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

Tgt Ion: 70 Resp: 9701
Ion Ratio Lower Upper
70 100
42 50.0 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.797 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG054411.D

Acq: 27 Jul 2022 11:17

Instrument :

BNA_G

ClientSampleId :

PB146452BL

Tgt Ion:136 Resp: 59663

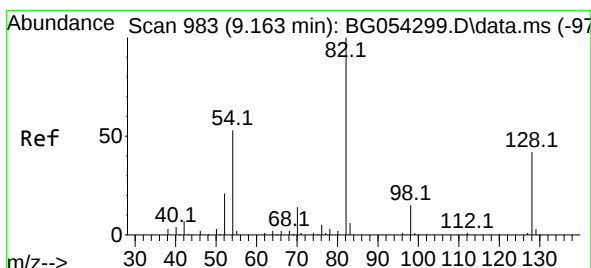
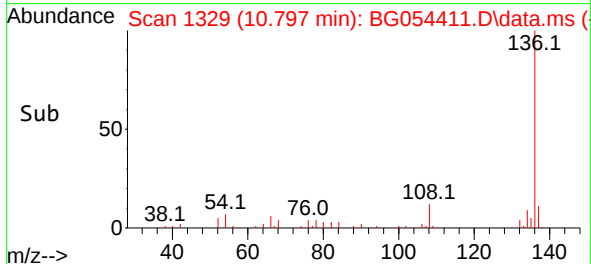
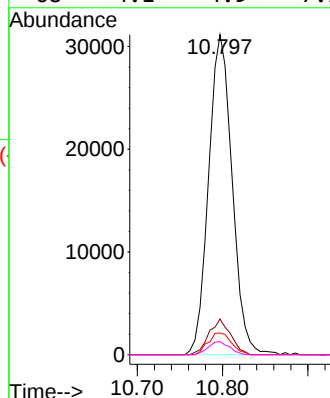
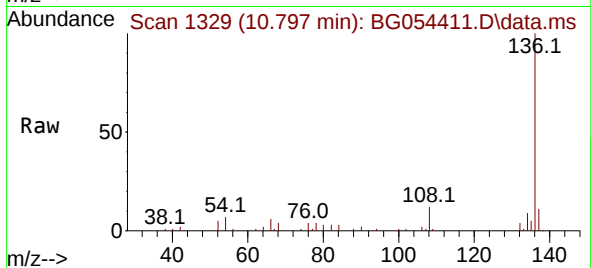
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.7 7.4 11.2#

68 4.1 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 60.906 ng

RT: 9.152 min Scan# 1049

Delta R.T. 0.000 min

Lab File: BG054411.D

Acq: 27 Jul 2022 11:17

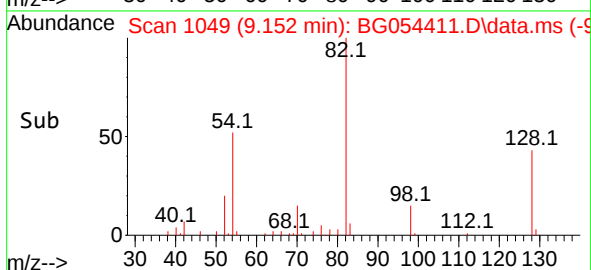
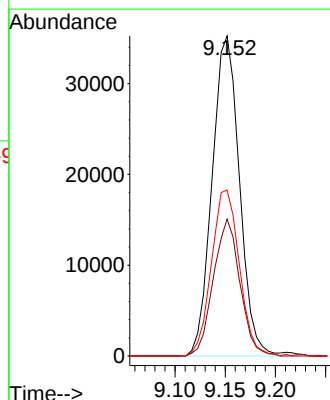
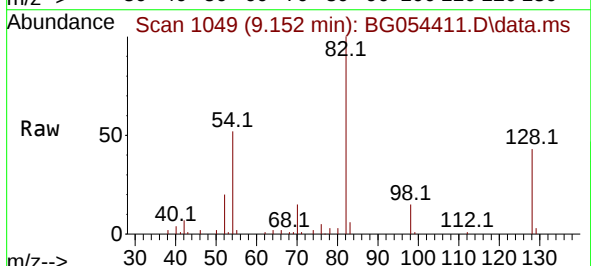
Tgt Ion: 82 Resp: 66729

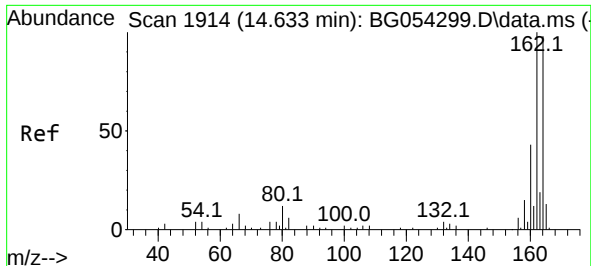
Ion Ratio Lower Upper

82 100

128 42.8 27.9 41.9#

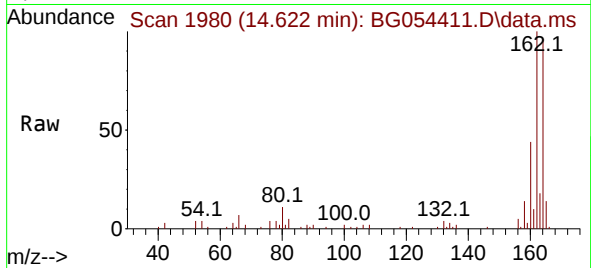
54 51.8 41.2 61.8



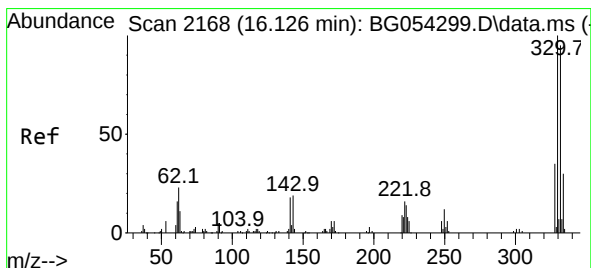
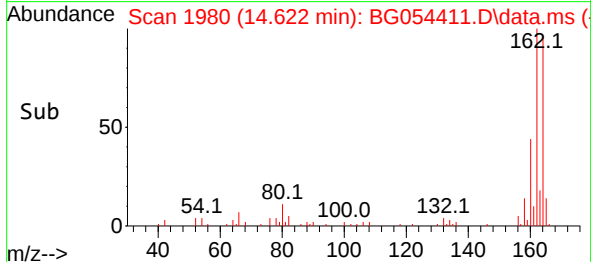
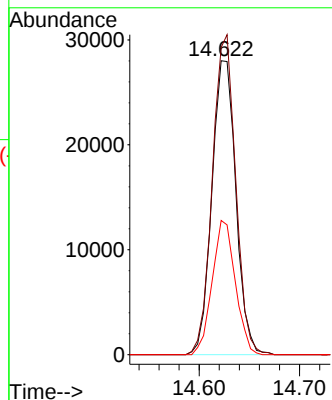


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

Instrument :
BNA_G
ClientSampleId :
PB146452BL

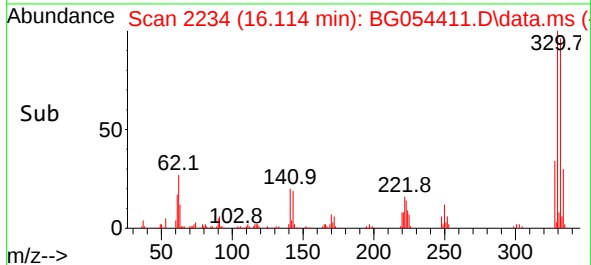
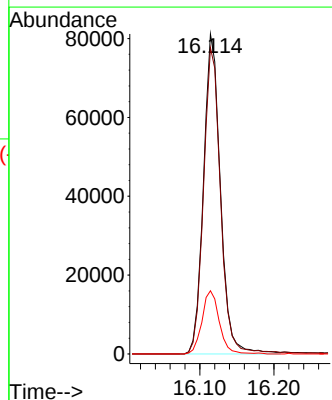
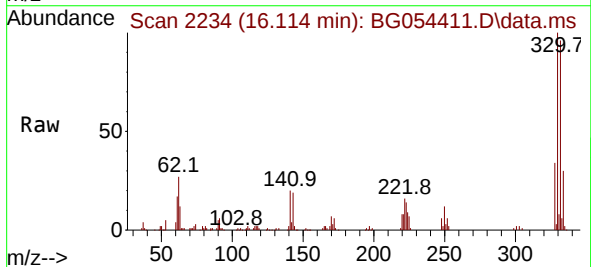


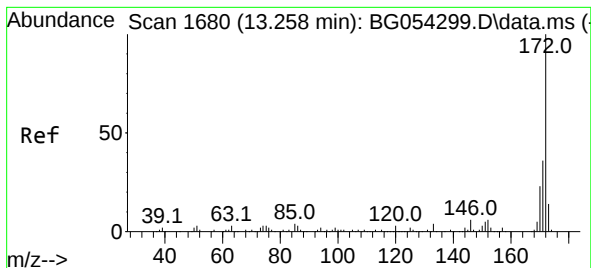
Tgt Ion:164 Resp: 46518
Ion Ratio Lower Upper
164 100
162 104.5 82.3 123.5
160 45.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 132.392 ng
RT: 16.114 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

Tgt Ion:330 Resp: 129308
Ion Ratio Lower Upper
330 100
332 96.5 76.0 114.0
141 20.2 27.1 40.7#

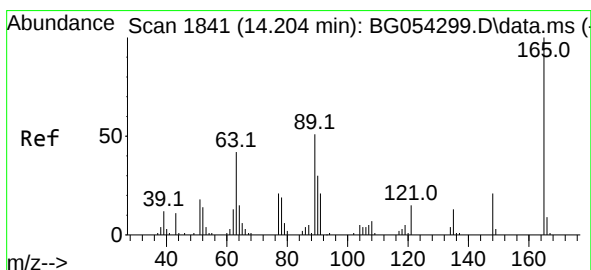
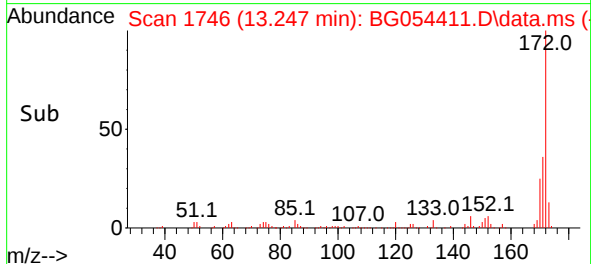
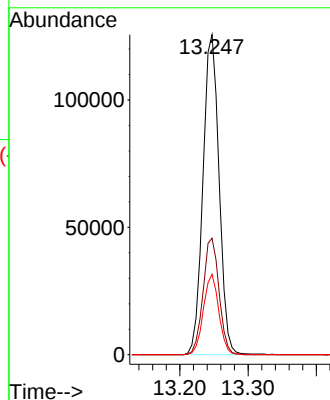
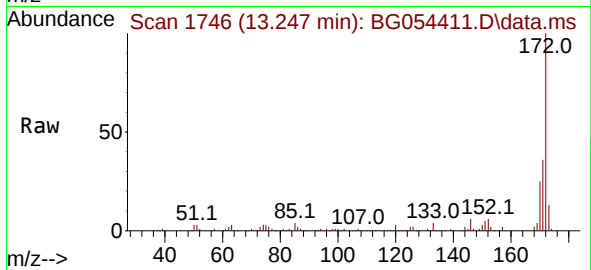




#45
2-Fluorobiphenyl
Concen: 62.576 ng
RT: 13.247 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

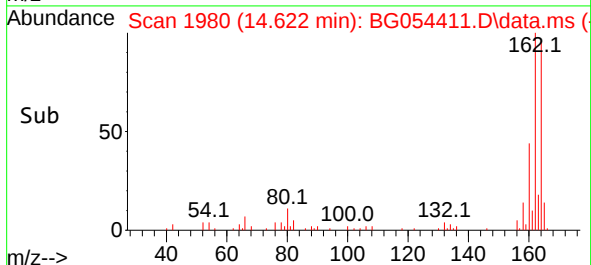
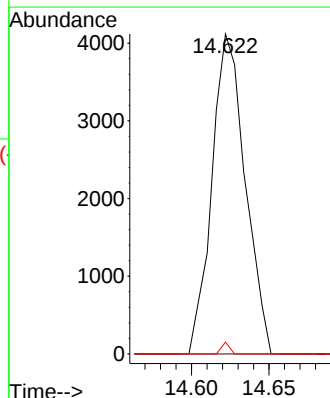
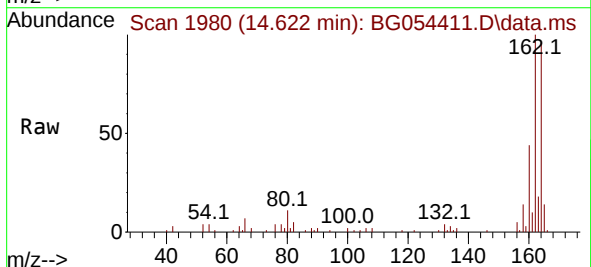
Instrument :
BNA_G
ClientSampleId :
PB146452BL

Tgt Ion:172 Resp: 206345
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 25.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.703 ng
RT: 14.622 min Scan# 1980
Delta R.T. 0.423 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

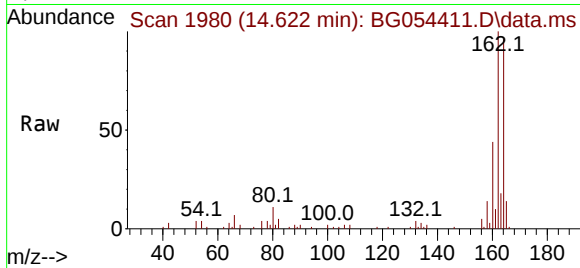
Tgt Ion:165 Resp: 6139
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 3.7 54.8 82.2#



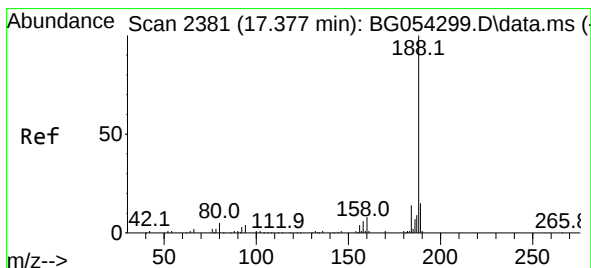
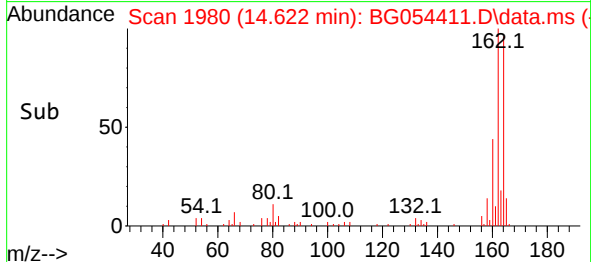
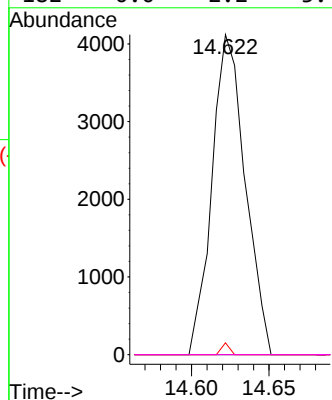


#57
 2,4-Dinitrotoluene
 Concen: 5.373 ng
 RT: 14.622 min Scan# 14
 Delta R.T. -0.370 min
 Lab File: BG054411.D
 Acq: 27 Jul 2022 11:17

Instrument :
 BNA_G
 ClientSampleId :
 PB146452BL

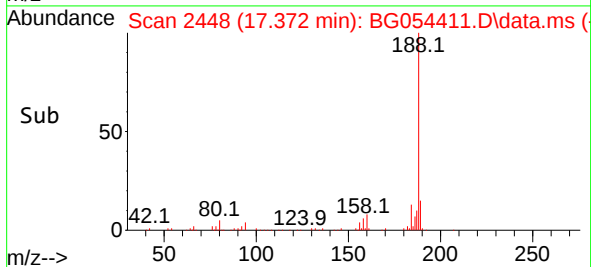
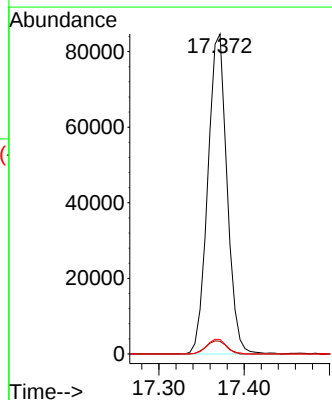
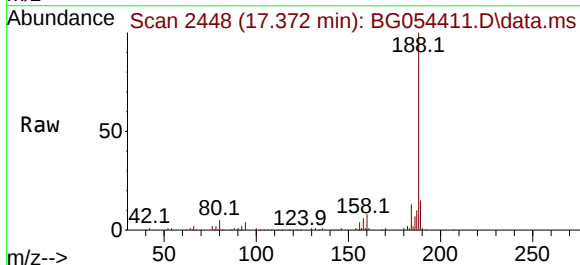


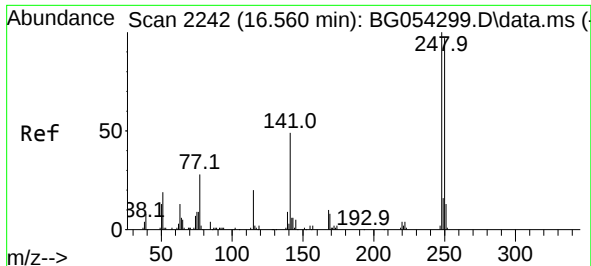
Tgt Ion:165 Resp: 6139
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.6 52.0#
 89 3.7 60.3 90.5#
 182 0.0 2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.372 min Scan# 2448
 Delta R.T. 0.000 min
 Lab File: BG054411.D
 Acq: 27 Jul 2022 11:17

Tgt Ion:188 Resp: 132724
 Ion Ratio Lower Upper
 188 100
 94 4.0 5.4 8.0#
 80 4.5 6.8 10.2#

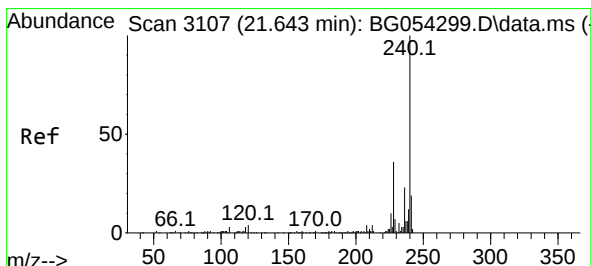
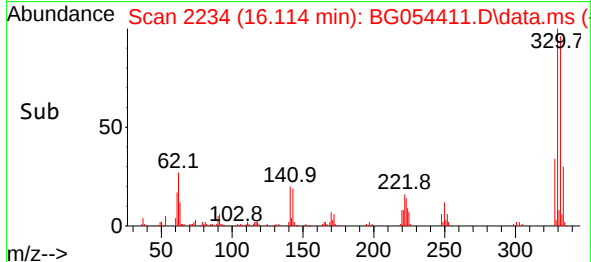
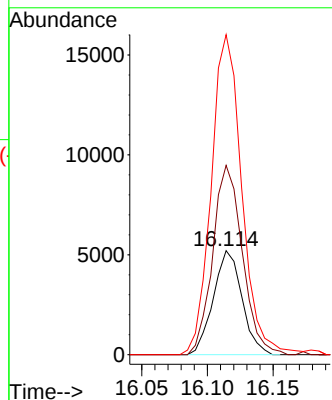
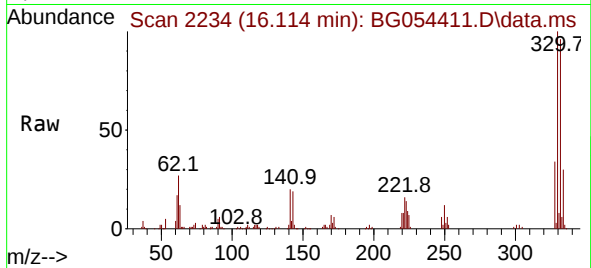




#67
4-Bromophenyl-phenylether
Concen: 4.241 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

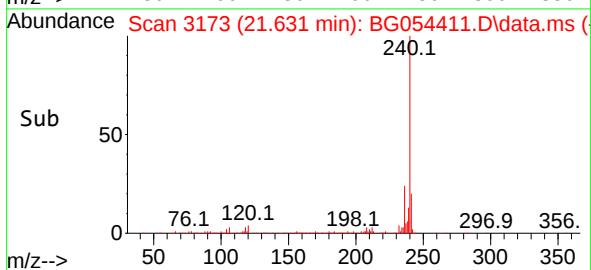
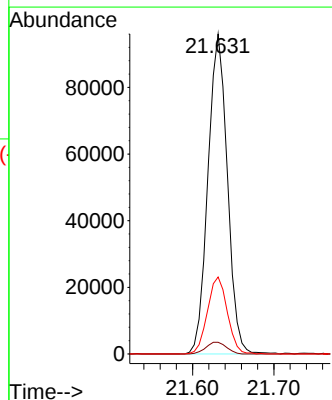
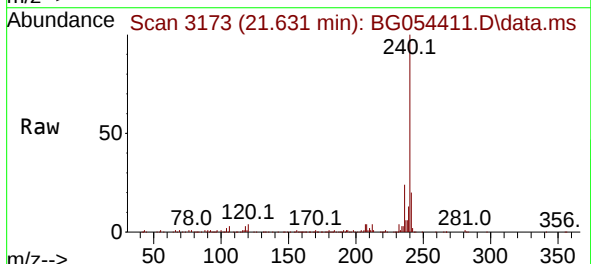
Instrument :
BNA_G
ClientSampleId :
PB146452BL

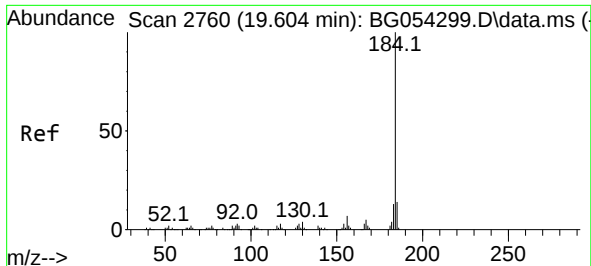
Tgt Ion:248 Resp: 7906
Ion Ratio Lower Upper
248 100
250 182.0 75.2 112.8#
141 307.8 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

Tgt Ion:240 Resp: 159319
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 24.1 20.2 30.4

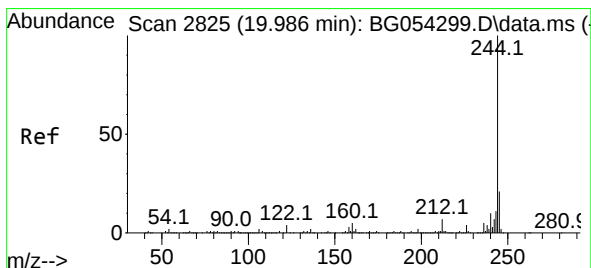
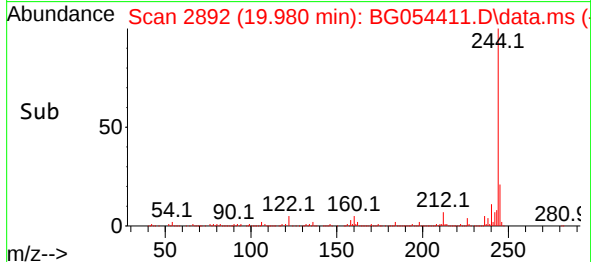
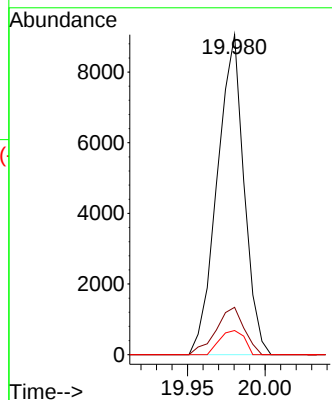
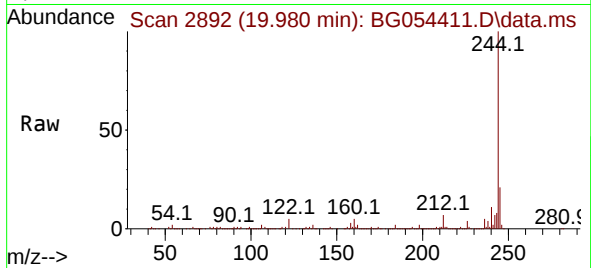




#77
Benzidine
Concen: 3.768 ng
RT: 19.980 min Scan# 2892
Delta R.T. 0.382 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

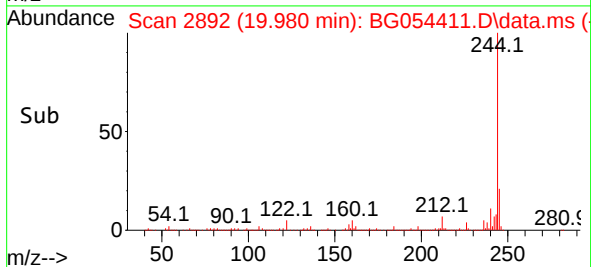
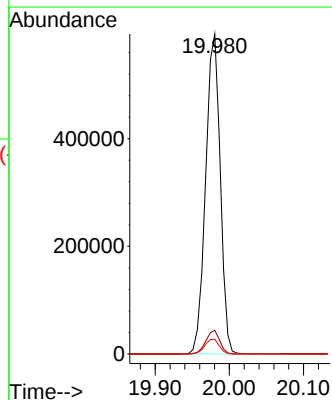
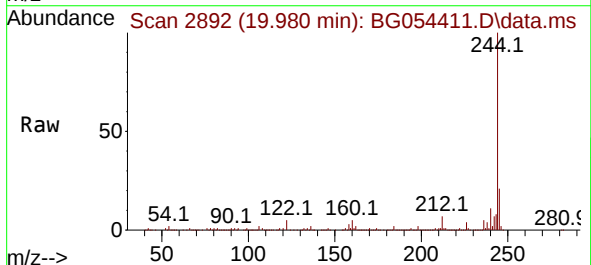
Instrument :
BNA_G
ClientSampleId :
PB146452BL

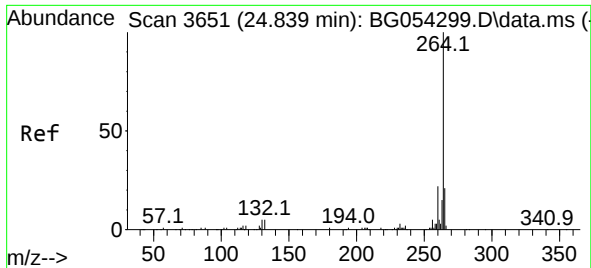
Tgt Ion:184 Resp: 10872
Ion Ratio Lower Upper
184 100
185 14.8 11.8 17.6
183 7.5 8.9 13.3#



#79
Terphenyl-d14
Concen: 101.491 ng
RT: 19.980 min Scan# 2892
Delta R.T. 0.000 min
Lab File: BG054411.D
Acq: 27 Jul 2022 11:17

Tgt Ion:244 Resp: 815077
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 4.6 5.0 7.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.828 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG054411.D

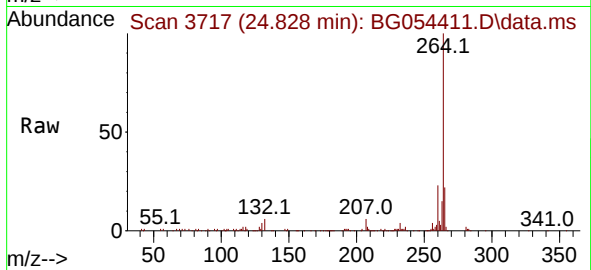
Acq: 27 Jul 2022 11:17

Instrument :

BNA_G

ClientSampleId :

PB146452BL



Tgt Ion:264 Resp: 168102

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.6

265 21.5 17.4 26.2

