

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040422\
 Data File : BG053014.D
 Acq On : 4 Apr 2022 19:04
 Operator : CG/JU
 Sample : N2220-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A09015

Quant Time: Apr 05 01:07:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 16:48:57 2022
 Response via : Initial Calibration

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

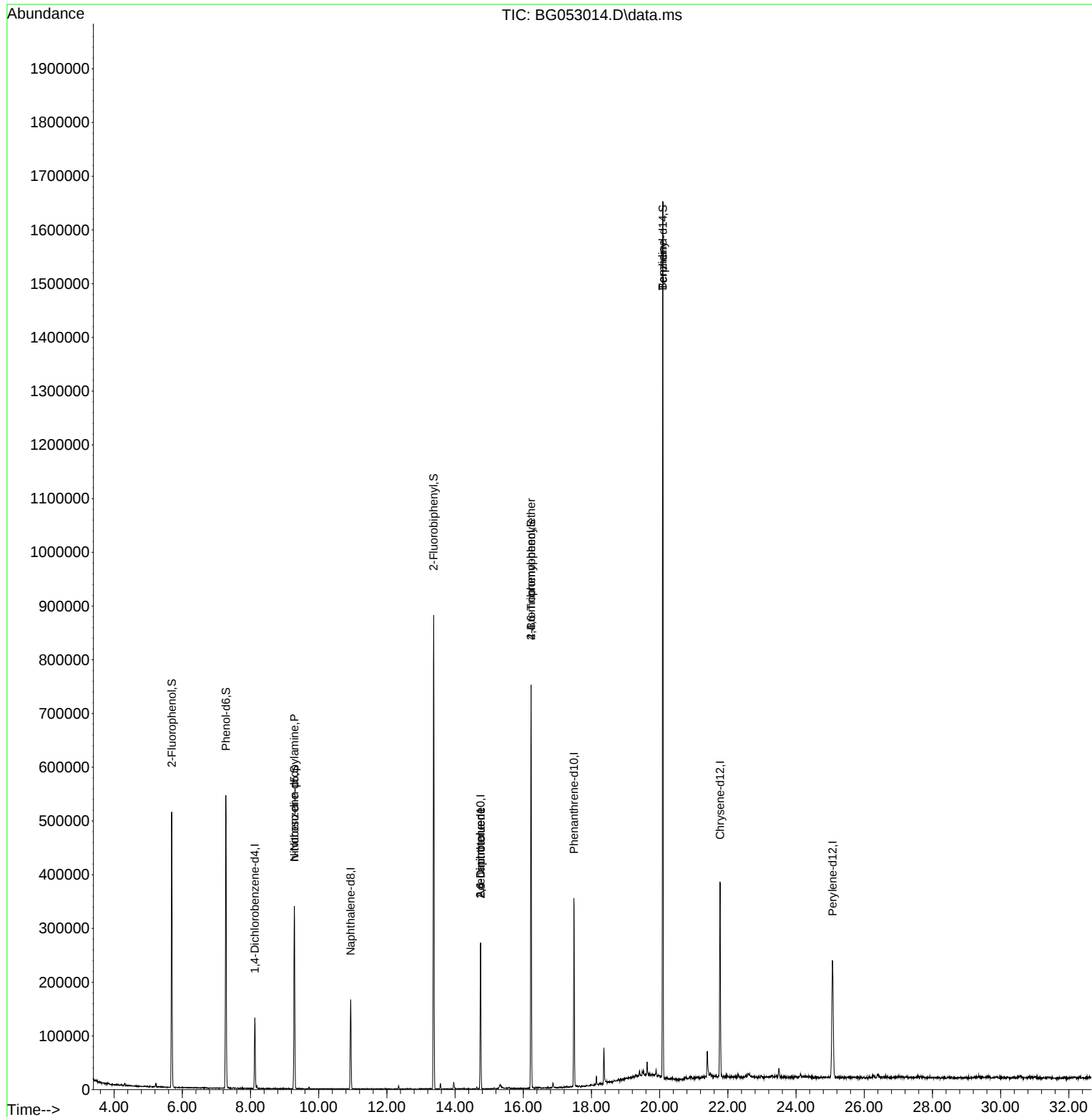
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.128	152	35620	20.000	ng	-0.02
21) Naphthalene-d8	10.936	136	135699	20.000	ng	#-0.02
39) Acenaphthene-d10	14.748	164	97789	20.000	ng	-0.02
64) Phenanthrene-d10	17.486	188	222574	20.000	ng	-0.02
76) Chrysene-d12	21.774	240	242432	20.000	ng	-0.02
86) Perylene-d12	25.070	264	247548	20.000	ng	#-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	202336	98.925	ng	0.00
7) Phenol-d6	7.276	99	292436	94.837	ng	-0.01
23) Nitrobenzene-d5	9.285	82	211681	78.293	ng	-0.02
42) 2,4,6-Tribromophenol	16.229	330	141277	107.515	ng	-0.02
45) 2-Fluorobiphenyl	13.374	172	454335	68.523	ng	-0.02
79) Terphenyl-d14	20.094	244	846532	62.114	ng	-0.02
Target Compounds						
						Qvalue
9) Benzaldehyde	7.270	77	641	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	9.285	70	30305	13.876	ng	# 78
51) 2,6-Dinitrotoluene	14.748	165	12907	10.519	ng	# 25
57) 2,4-Dinitrotoluene	14.748	165	12907	7.581	ng	# 24
67) 4-Bromophenyl-phenylether	16.229	248	9069	3.380	ng	# 1
77) Benzidine	20.088	184	15651	2.503	ng	# 92

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

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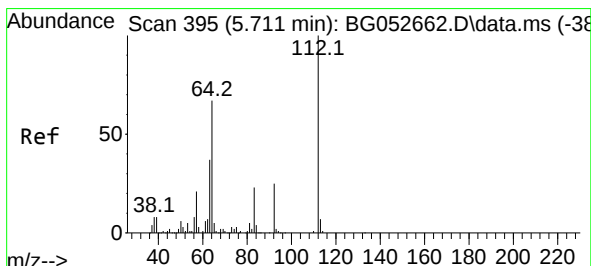
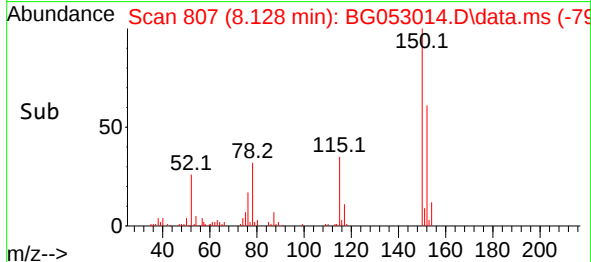
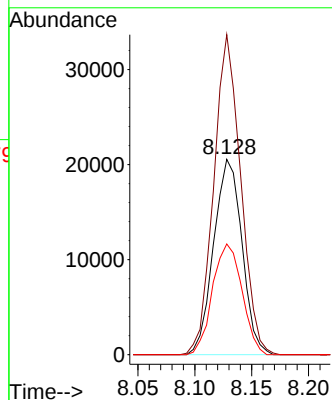
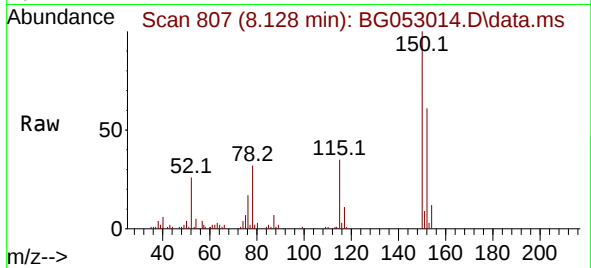




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.128 min Scan# 80
Delta R.T. -0.018 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

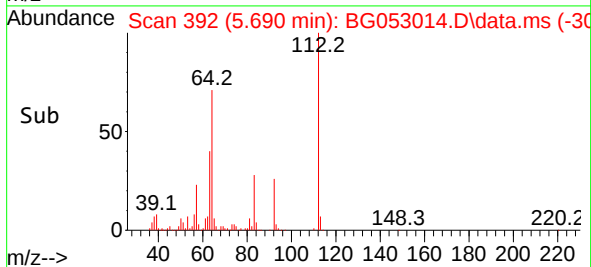
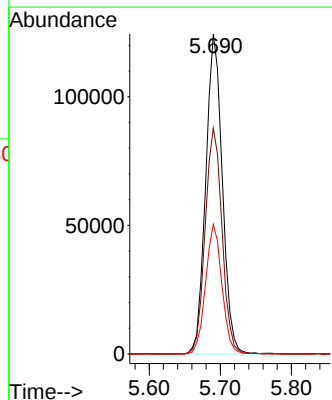
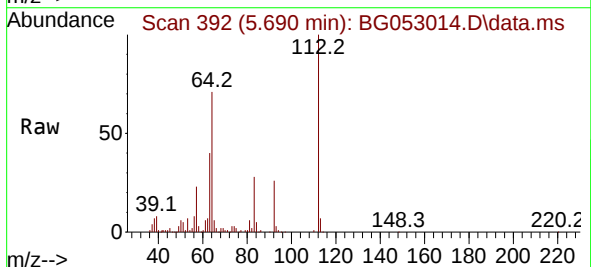
Instrument :
BNA_G
ClientSampleId :
A09015

Tgt Ion:152 Resp: 35620
Ion Ratio Lower Upper
152 100
150 163.8 114.6 172.0
115 56.7 45.9 68.9



#5
2-Fluorophenol
Concen: 98.925 ng
RT: 5.690 min Scan# 392
Delta R.T. -0.006 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

Tgt Ion:112 Resp: 202336
Ion Ratio Lower Upper
112 100
64 70.6 48.0 72.0
63 40.5 26.5 39.7#

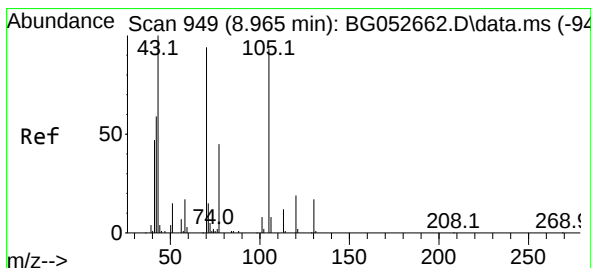
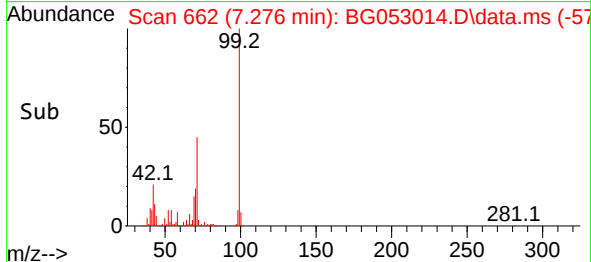
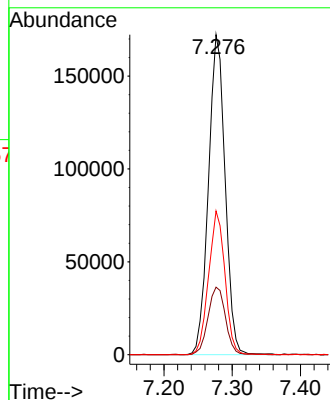
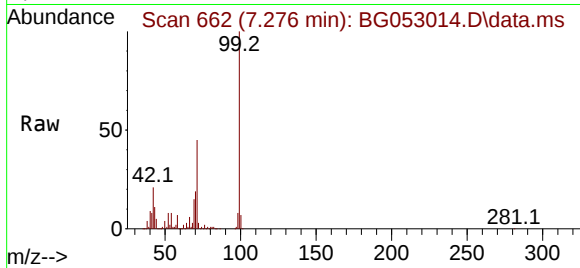




#7
Phenol-d6
Concen: 94.837 ng
RT: 7.276 min Scan# 60
Delta R.T. -0.012 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

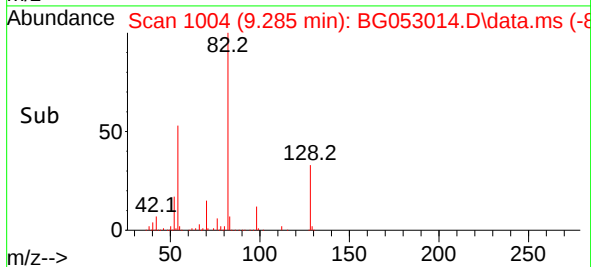
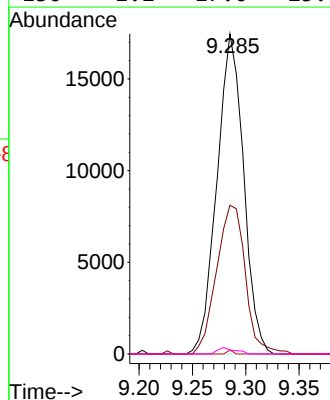
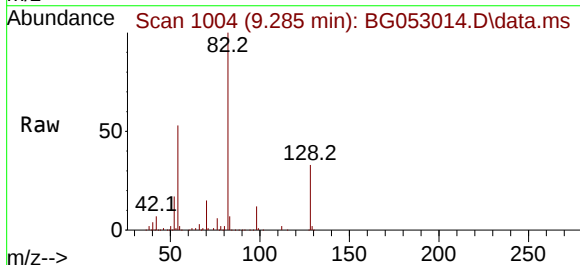
Instrument :
BNA_G
ClientSampleId :
A09015

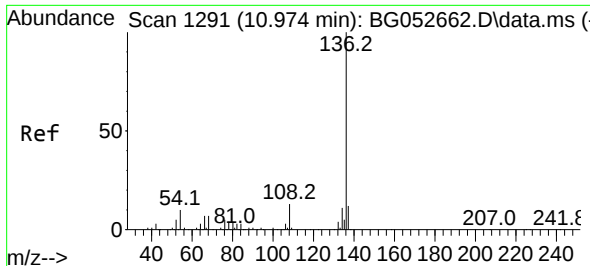
Tgt Ion: 99 Resp: 292436
Ion Ratio Lower Upper
99 100
42 21.1 14.7 22.1
71 44.9 29.2 43.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.876 ng
RT: 9.285 min Scan# 1004
Delta R.T. 0.340 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

Tgt Ion: 70 Resp: 30305
Ion Ratio Lower Upper
70 100
42 46.5 46.0 69.0
101 1.2 6.2 9.4#
130 1.2 17.0 25.4#

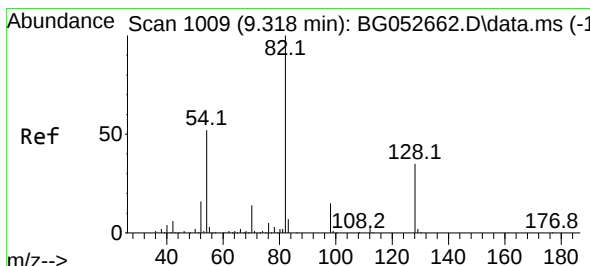
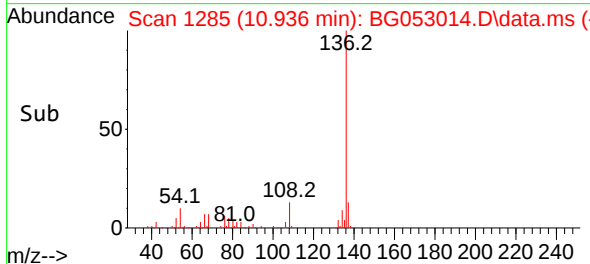
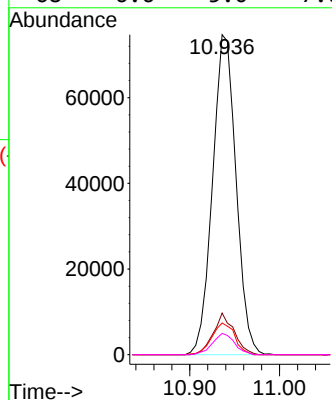
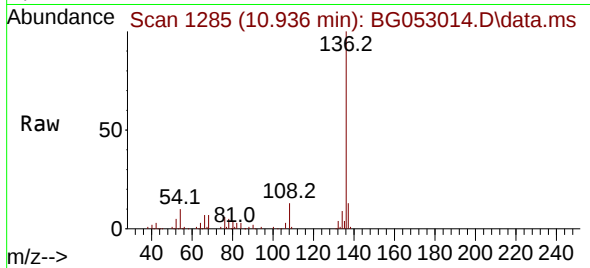




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.936 min Scan# 11
Delta R.T. -0.024 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

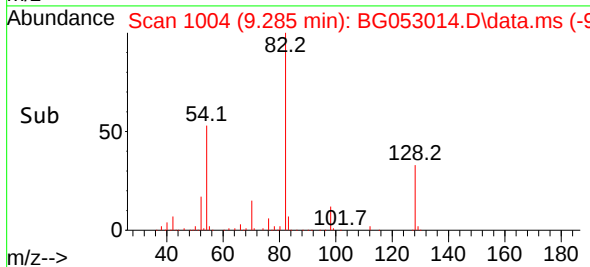
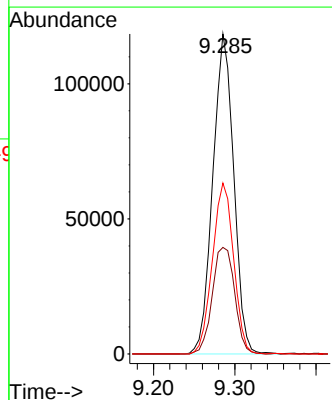
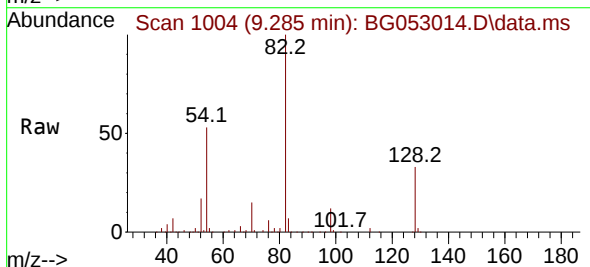
Instrument :
BNA_G
ClientSampleId :
A09015

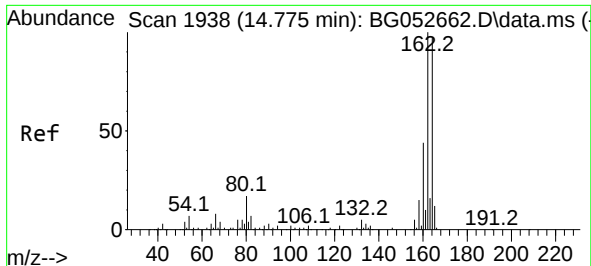
Tgt Ion:136 Resp: 135699
Ion Ratio Lower Upper
136 100
137 13.0 9.4 14.2
54 9.9 6.4 9.6#
68 6.6 5.0 7.6



#23
Nitrobenzene-d5
Concen: 78.293 ng
RT: 9.285 min Scan# 1004
Delta R.T. -0.018 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

Tgt Ion: 82 Resp: 211681
Ion Ratio Lower Upper
82 100
128 33.3 31.3 46.9
54 53.4 37.8 56.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.748 min Scan# 1934

Delta R.T. -0.018 min

Lab File: BG053014.D

Acq: 4 Apr 2022 19:04

Instrument :

BNA_G

ClientSampleId :

A09015

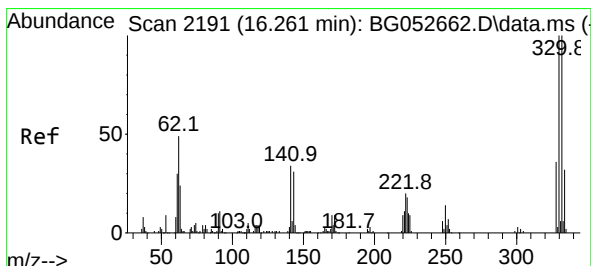
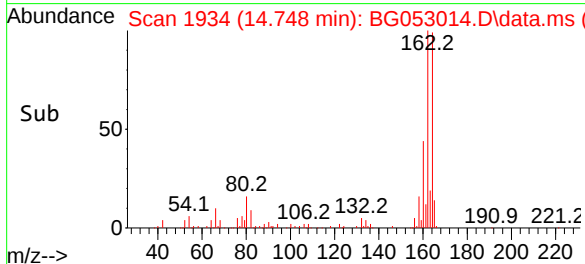
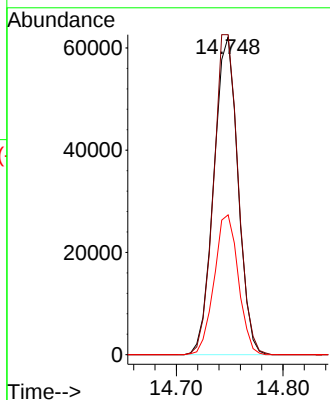
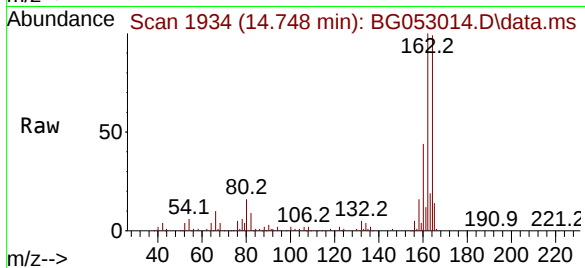
Tgt Ion:164 Resp: 97789

Ion Ratio Lower Upper

164 100

162 100.7 80.0 120.0

160 44.0 38.8 58.2



#42

2,4,6-Tribromophenol

Concen: 107.515 ng

RT: 16.229 min Scan# 2186

Delta R.T. -0.018 min

Lab File: BG053014.D

Acq: 4 Apr 2022 19:04

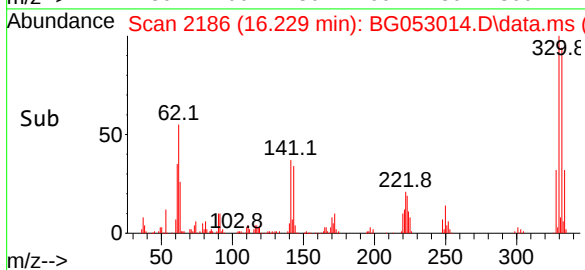
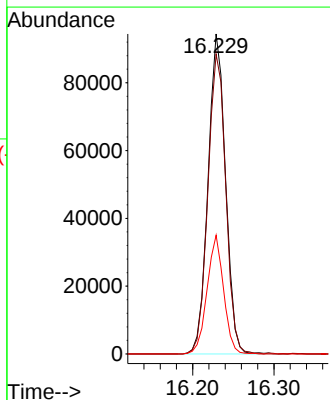
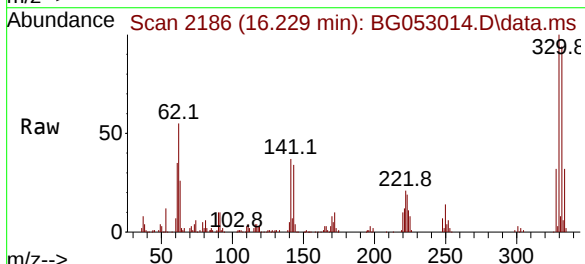
Tgt Ion:330 Resp: 141277

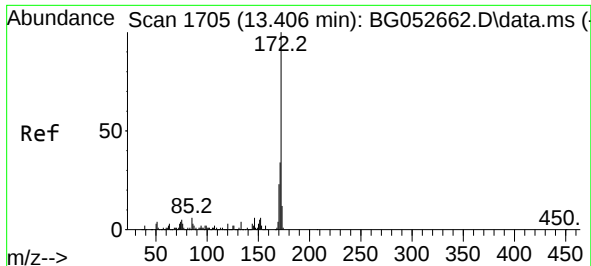
Ion Ratio Lower Upper

330 100

332 95.7 75.8 113.6

141 35.0 24.6 36.8

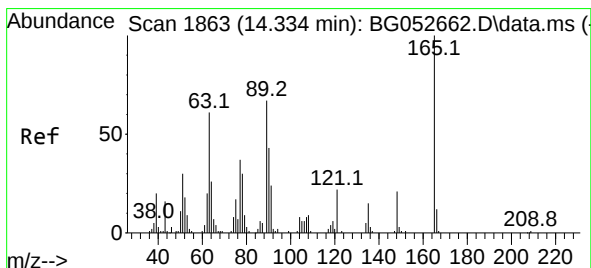
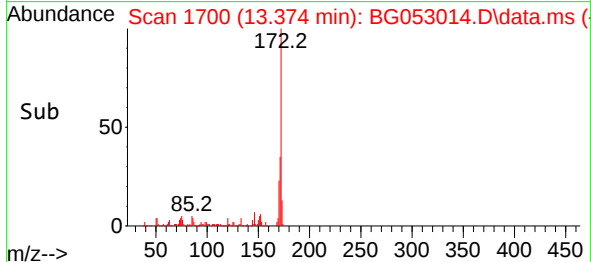
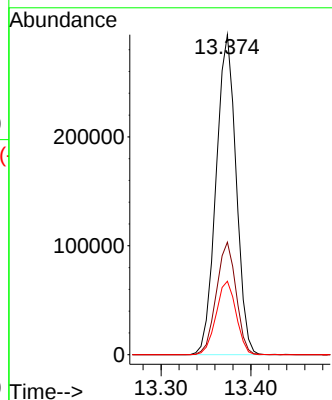
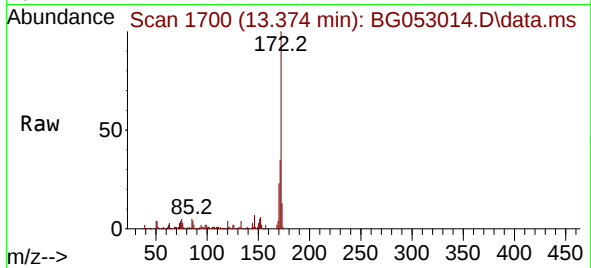




#45
2-Fluorobiphenyl
Concen: 68.523 ng
RT: 13.374 min Scan# 1
Delta R.T. -0.018 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

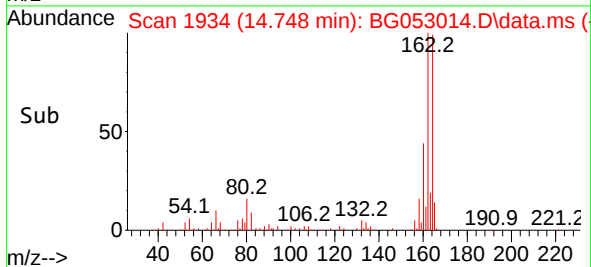
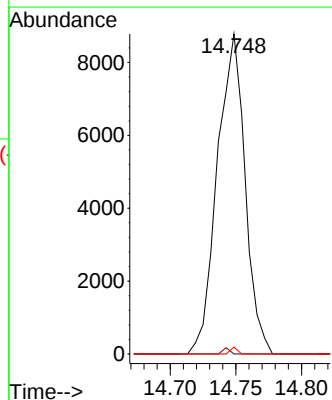
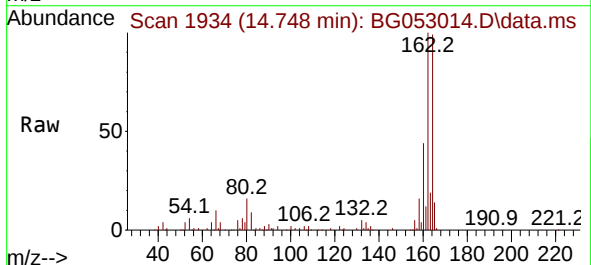
Instrument :
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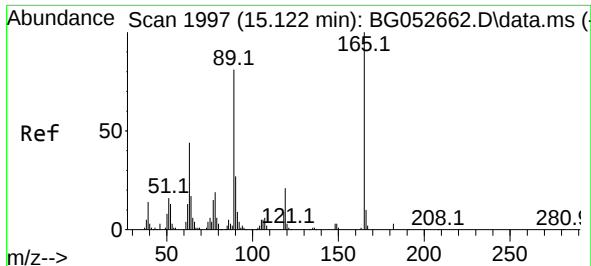
Tgt Ion:172 Resp: 454335
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.0 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 10.519 ng
RT: 14.748 min Scan# 1934
Delta R.T. 0.422 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

Tgt Ion:165 Resp: 12907
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 2.2 45.0 67.4#

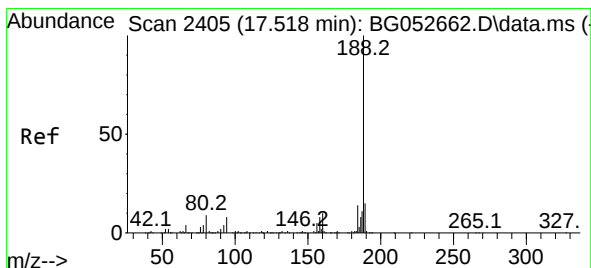
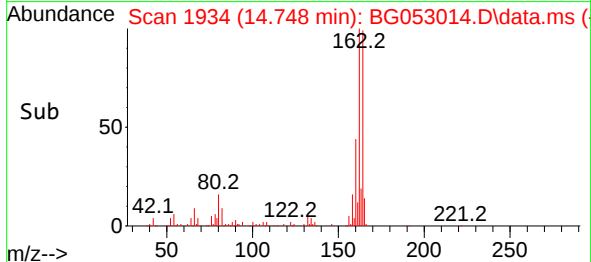
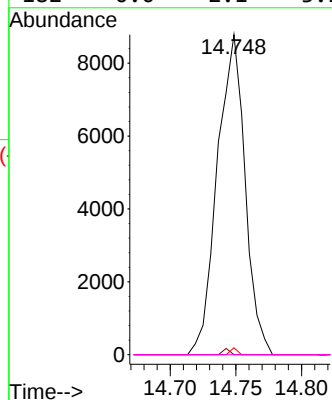
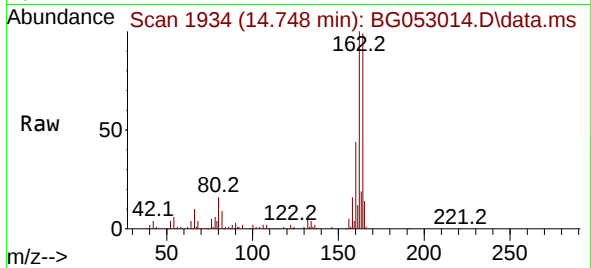




#57
2,4-Dinitrotoluene
Concen: 7.581 ng
RT: 14.748 min Scan# 1997
Delta R.T. -0.365 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

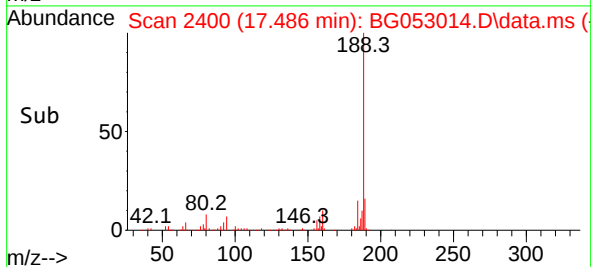
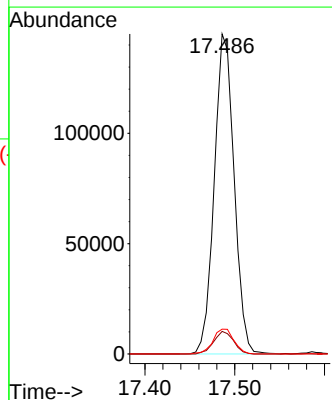
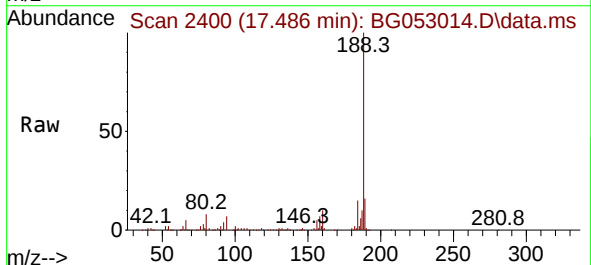
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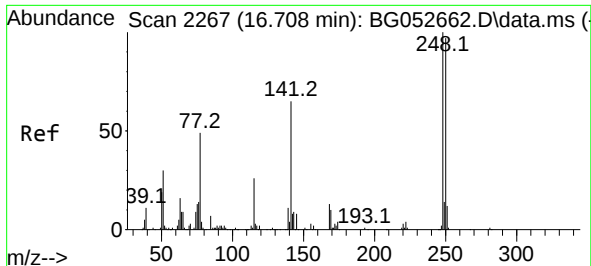
Tgt Ion:165 Resp: 12907
Ion Ratio Lower Upper
165 100
63 0.0 34.8 52.2#
89 2.2 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.486 min Scan# 2400
Delta R.T. -0.018 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

Tgt Ion:188 Resp: 222574
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 7.8 7.2 10.8

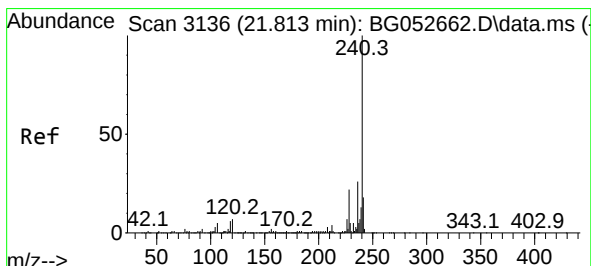
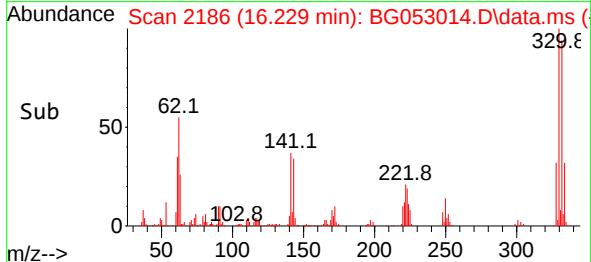
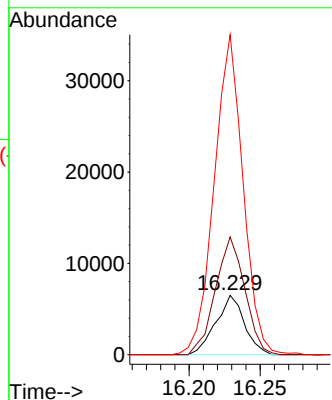
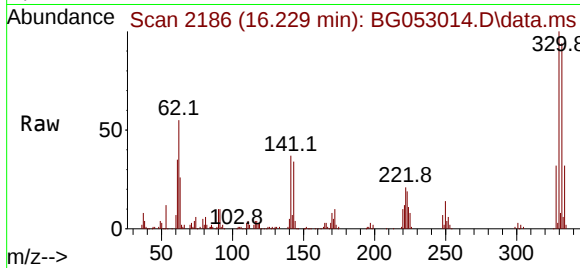




#67
4-Bromophenyl-phenylether
Concen: 3.380 ng
RT: 16.229 min Scan# 2186
Delta R.T. -0.465 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

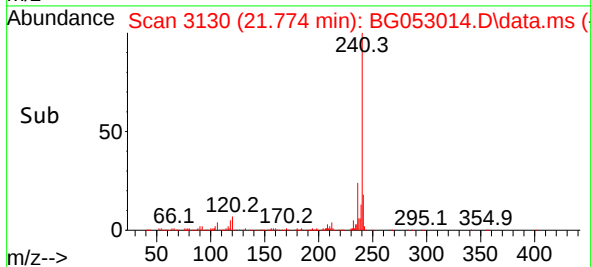
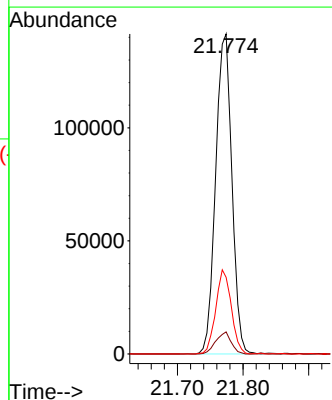
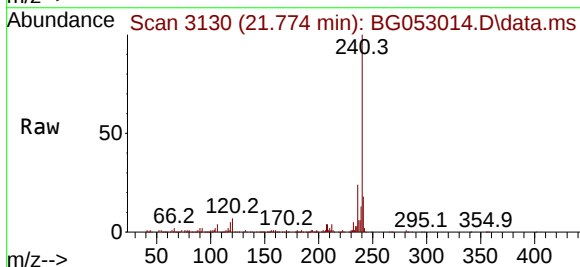
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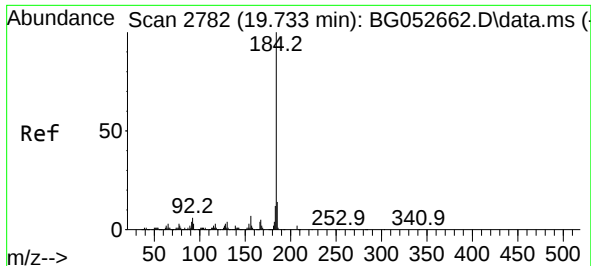
Tgt Ion:248 Resp: 9069
Ion Ratio Lower Upper
248 100
250 198.3 77.9 116.9#
141 539.0 49.2 73.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.774 min Scan# 3130
Delta R.T. -0.024 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

Tgt Ion:240 Resp: 242432
Ion Ratio Lower Upper
240 100
120 6.9 5.4 8.0
236 23.9 19.8 29.6

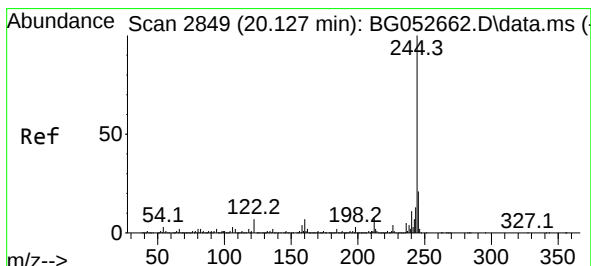
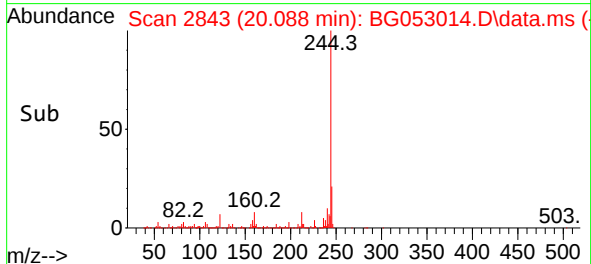
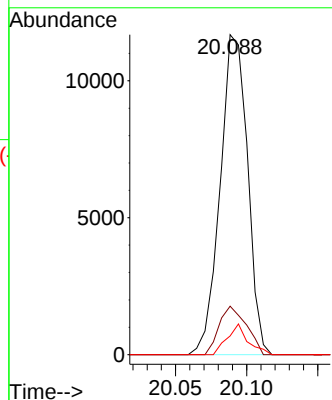
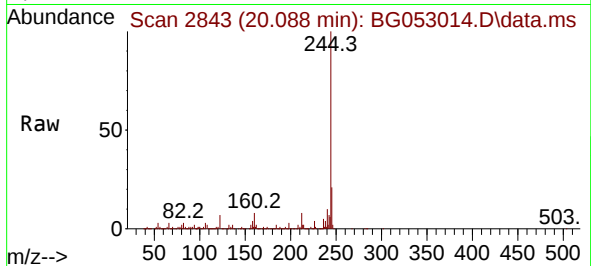




#77
Benzidine
Concen: 2.503 ng
RT: 20.088 min Scan# 21
Delta R.T. 0.364 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

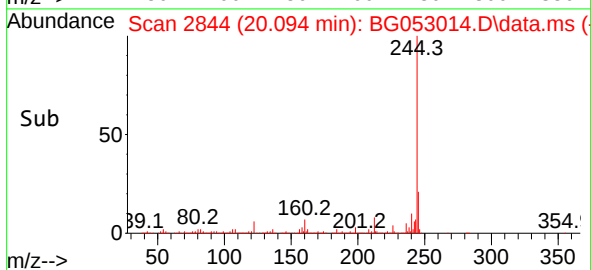
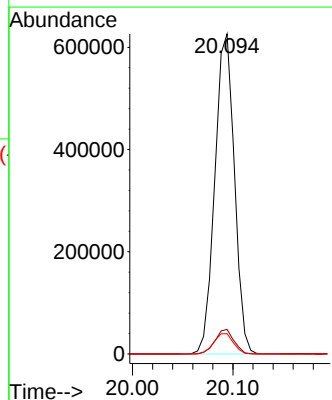
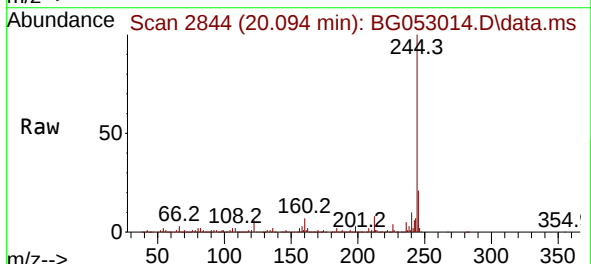
Instrument :
BNA_G
ClientSampleId :
A09015

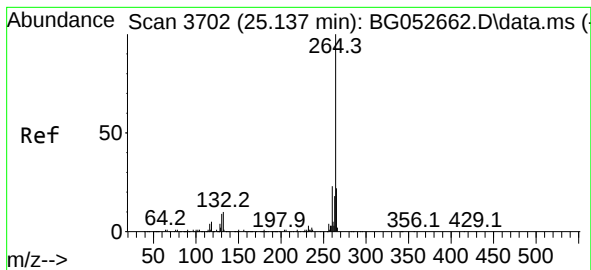
Tgt Ion:184 Resp: 15651
Ion Ratio Lower Upper
184 100
185 15.1 11.5 17.3
183 5.8 9.4 14.2#



#79
Terphenyl-d14
Concen: 62.114 ng
RT: 20.094 min Scan# 2844
Delta R.T. -0.018 min
Lab File: BG053014.D
Acq: 4 Apr 2022 19:04

Tgt Ion:244 Resp: 846532
Ion Ratio Lower Upper
244 100
212 7.7 5.4 8.2
122 6.3 5.8 8.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.070 min Scan# 30

Delta R.T. -0.042 min

Lab File: BG053014.D

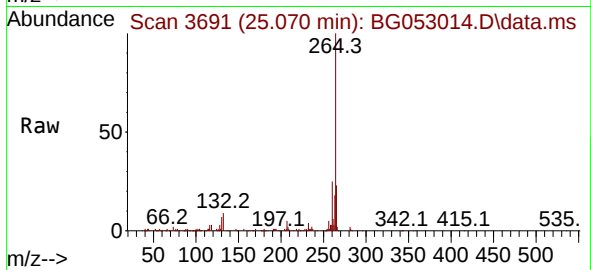
Acq: 4 Apr 2022 19:04

Instrument :

BNA_G

ClientSampleId :

A09015



Tgt Ion:264 Resp: 247548

Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.2

265 23.3 15.1 22.7#

