

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
 Data File : BG061101.D
 Acq On : 3 May 2024 11:02
 Operator : MA/JU
 Sample : PB160665BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB160665BL

Quant Time: May 03 12:07:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

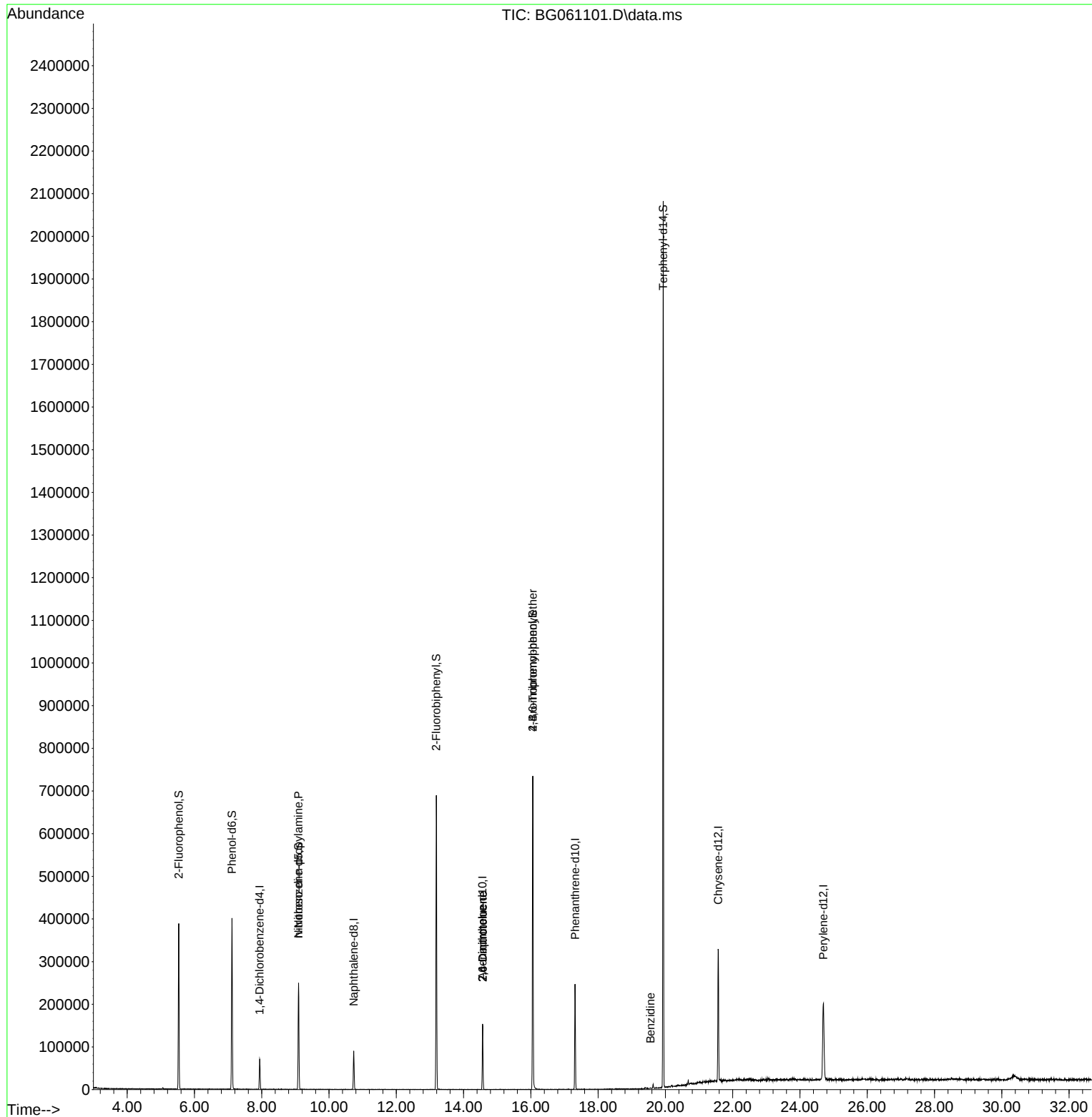
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	18945	20.000	ng	-0.02
21) Naphthalene-d8	10.733	136	68822	20.000	ng	-0.02
39) Acenaphthene-d10	14.564	164	58914	20.000	ng	-0.02
64) Phenanthrene-d10	17.314	188	164608	20.000	ng	-0.02
76) Chrysene-d12	21.568	240	196421	20.000	ng	-0.02
86) Perylene-d12	24.693	264	218613	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.533	112	136390	146.414	ng	-0.01
7) Phenol-d6	7.114	99	177264	128.635	ng	-0.02
23) Nitrobenzene-d5	9.094	82	125626	90.488	ng	-0.02
42) 2,4,6-Tribromophenol	16.056	330	165150	140.244	ng	-0.02
45) 2-Fluorobiphenyl	13.189	172	356360	89.445	ng	-0.02
79) Terphenyl-d14	19.934	244	1063162	90.020	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.108	77	340	Below Cal	Qvalue	# 3
19) n-Nitroso-di-n-propyla...	9.094	70	18346	17.790	ng	# 69
51) 2,6-Dinitrotoluene	14.570	165	7625	7.834	ng	# 17
57) 2,4-Dinitrotoluene	14.570	165	7625	5.295	ng	# 19
67) 4-Bromophenyl-phenylether	16.056	248	10121	5.219	ng	# 1
77) Benzidine	19.558	184	1462	3.164	ng	# 65

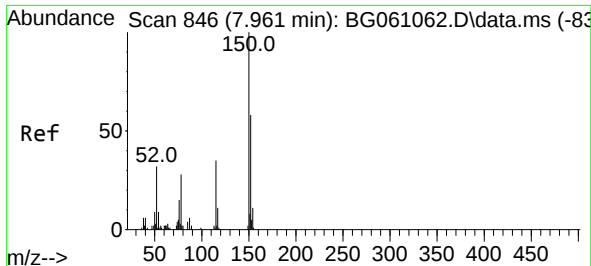
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

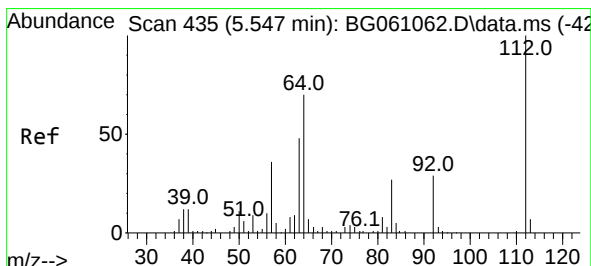
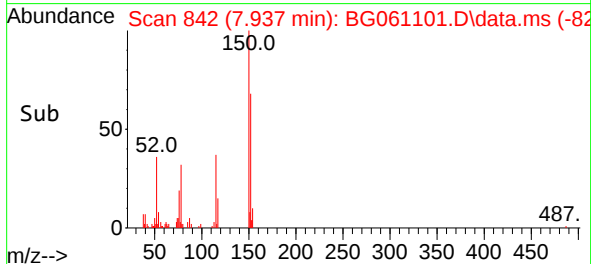
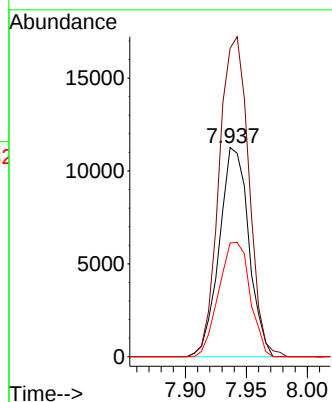
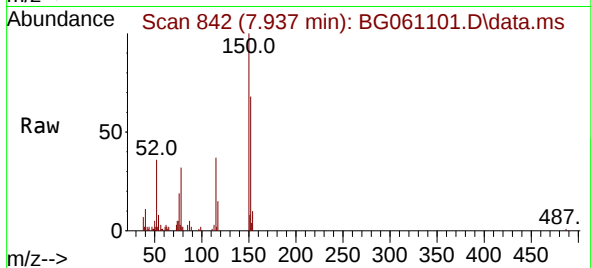




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 846
Delta R.T. -0.024 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

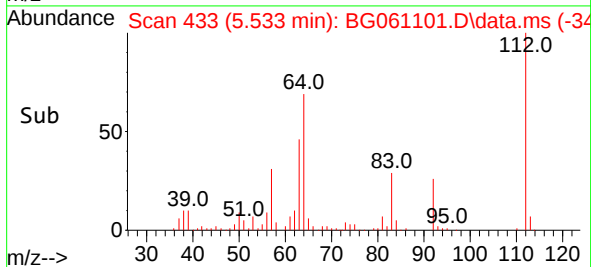
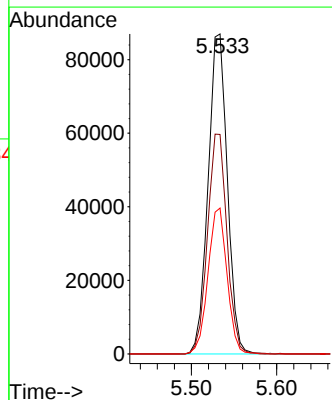
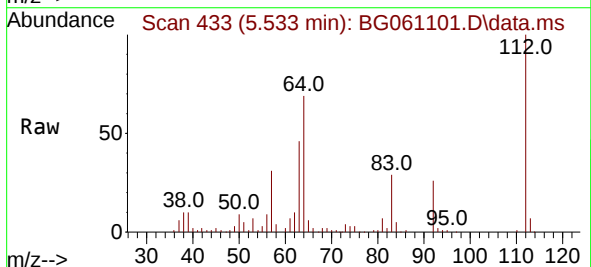
Instrument :
BNA_G
ClientSampleId :
PB160665BL

Tgt Ion:152 Resp: 18945
Ion Ratio Lower Upper
152 100
150 147.5 138.3 207.5
115 54.4 48.0 72.0



#5
2-Fluorophenol
Concen: 146.414 ng
RT: 5.533 min Scan# 433
Delta R.T. -0.013 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

Tgt Ion:112 Resp: 136390
Ion Ratio Lower Upper
112 100
64 68.6 55.7 83.5
63 45.6 38.1 57.1

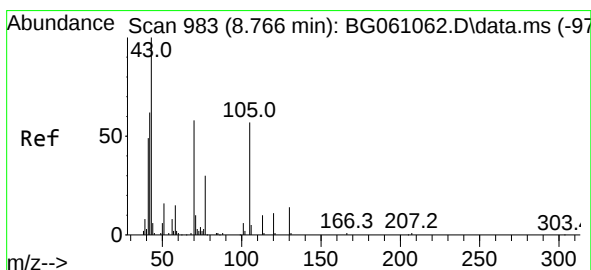
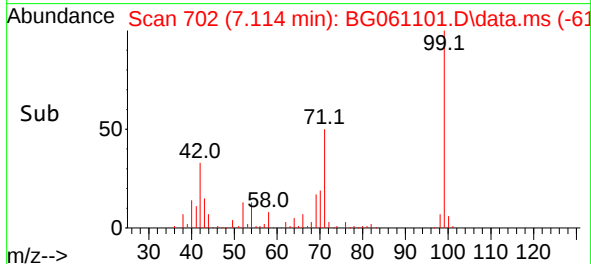
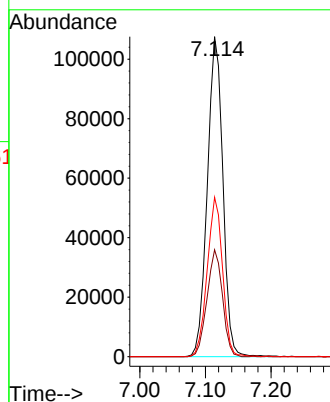
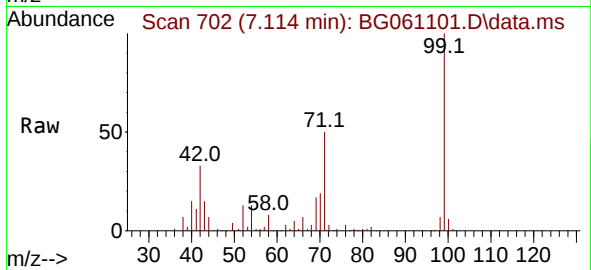




#7
Phenol-d6
Concen: 128.635 ng
RT: 7.114 min Scan# 705
Delta R.T. -0.019 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

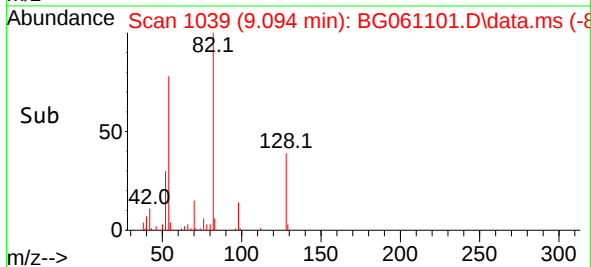
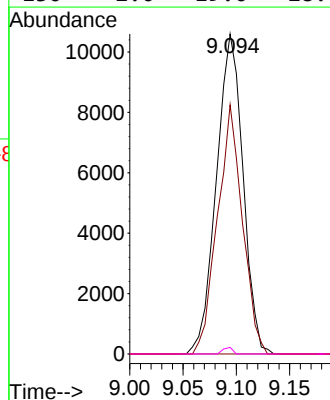
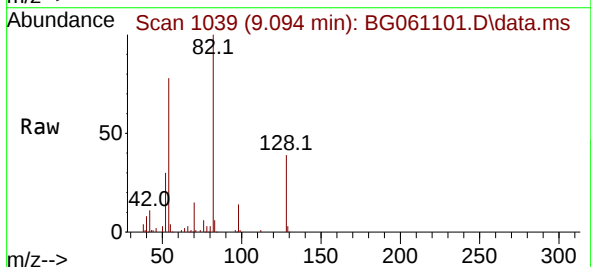
Instrument :
BNA_G
ClientSampleId :
PB160665BL

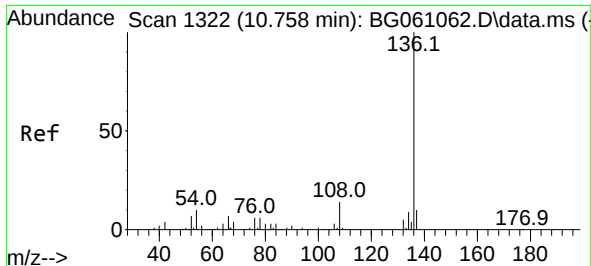
Tgt Ion: 99 Resp: 177264
Ion Ratio Lower Upper
99 100
42 33.4 29.2 43.8
71 49.8 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.790 ng
RT: 9.094 min Scan# 1039
Delta R.T. 0.328 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

Tgt Ion: 70 Resp: 18346
Ion Ratio Lower Upper
70 100
42 77.9 86.4 129.6#
101 0.0 7.8 11.8#
130 2.0 19.0 28.4#

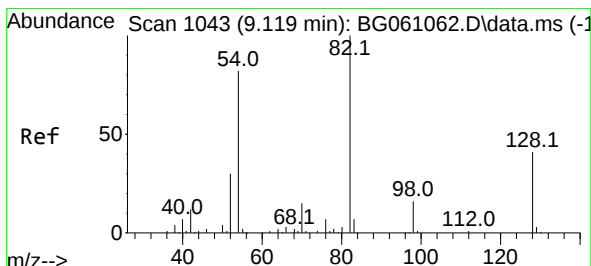
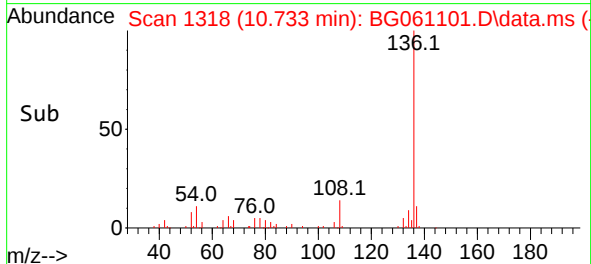
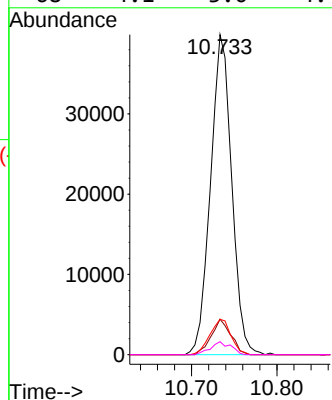
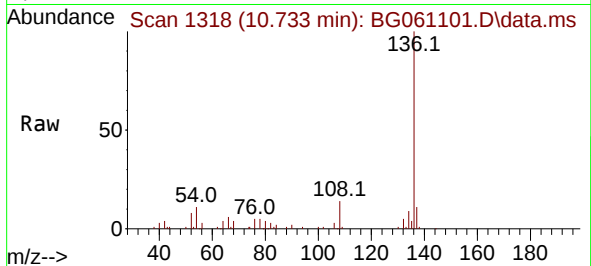




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 11
Delta R.T. -0.025 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

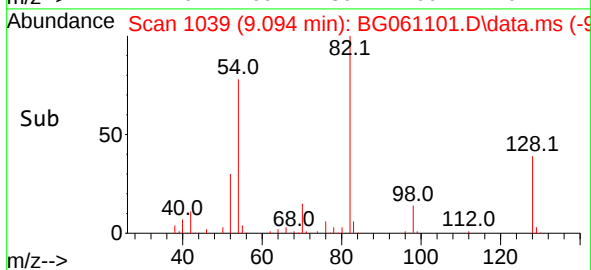
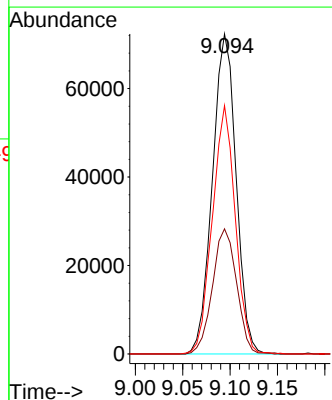
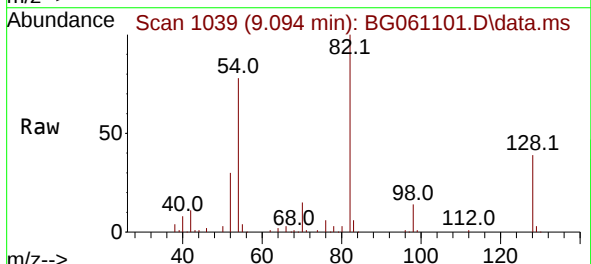
Instrument :
BNA_G
ClientSampleId :
PB160665BL

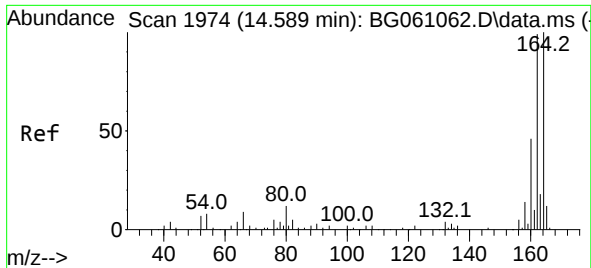
Tgt Ion:	136	Resp:	68822
Ion Ratio	Lower	Upper	
136	100		
137	11.1	7.8	11.6
54	11.0	8.1	12.1
68	4.1	3.0	4.4



#23
Nitrobenzene-d5
Concen: 90.488 ng
RT: 9.094 min Scan# 1039
Delta R.T. -0.025 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

Tgt Ion:	82	Resp:	125626
Ion Ratio	Lower	Upper	
82	100		
128	39.1	32.7	49.1
54	77.6	65.6	98.4

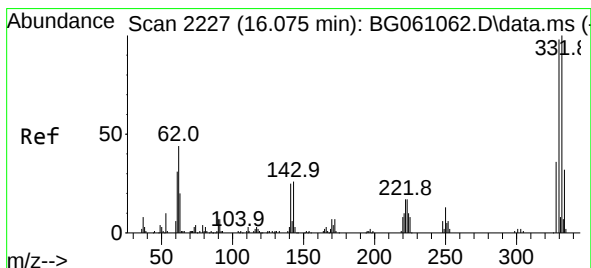
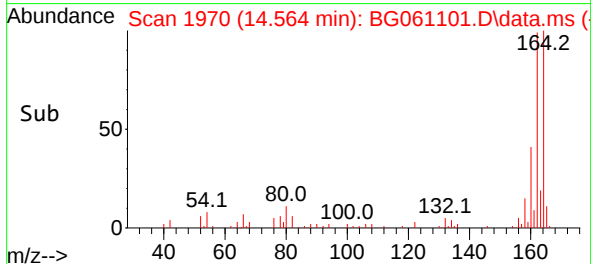
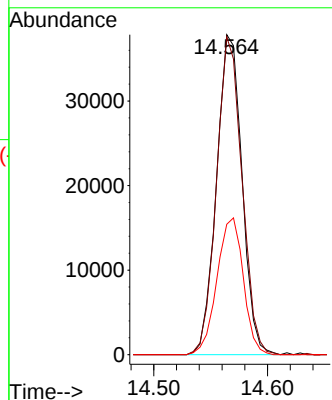
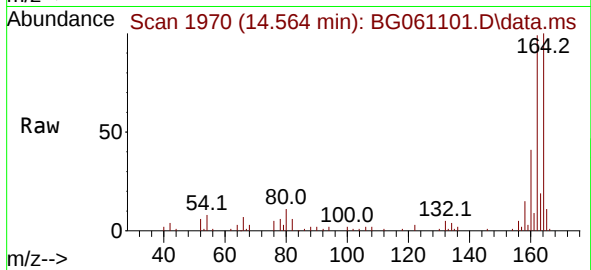




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.564 min Scan# 1974
Delta R.T. -0.025 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

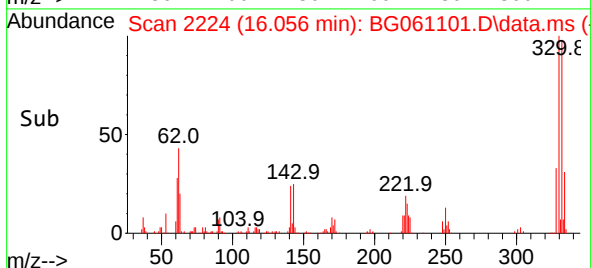
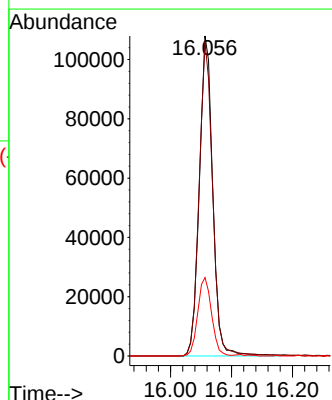
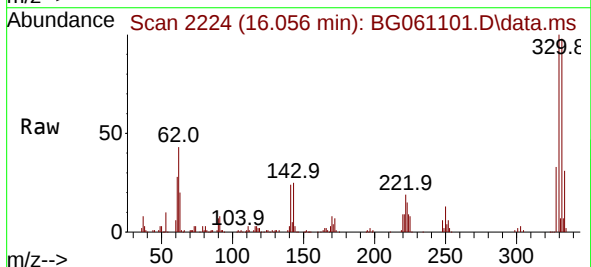
Instrument :
BNA_G
ClientSampleId :
PB160665BL

Tgt Ion:164 Resp: 58914
Ion Ratio Lower Upper
164 100
162 99.3 79.4 119.2
160 40.7 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 140.244 ng
RT: 16.056 min Scan# 2224
Delta R.T. -0.019 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

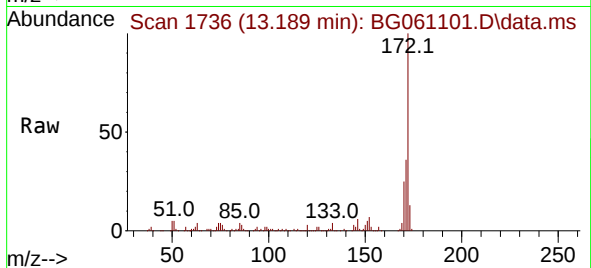
Tgt Ion:330 Resp: 165150
Ion Ratio Lower Upper
330 100
332 98.7 78.6 117.8
141 25.2 20.5 30.7



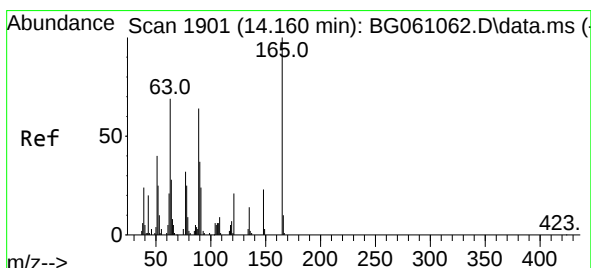
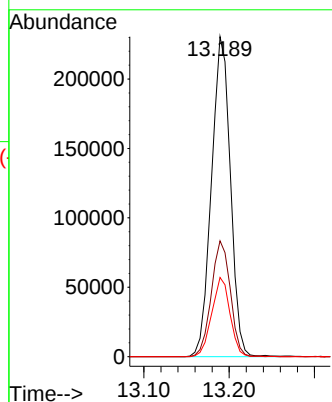
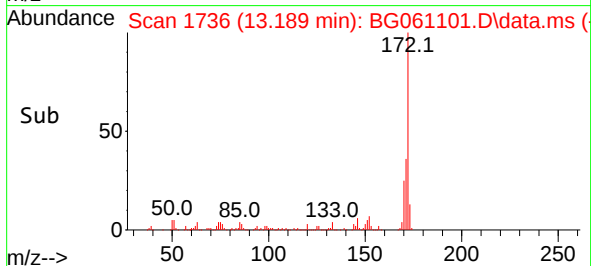


#45
2-Fluorobiphenyl
Concen: 89.445 ng
RT: 13.189 min Scan# 1736
Delta R.T. -0.019 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

Instrument :
BNA_G
ClientSampleId :
PB160665BL

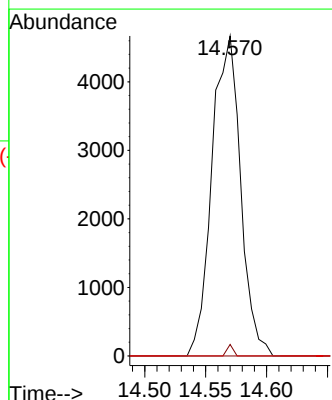
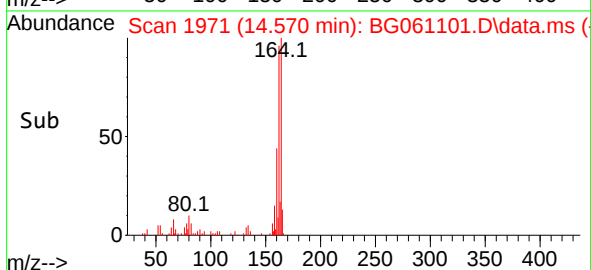
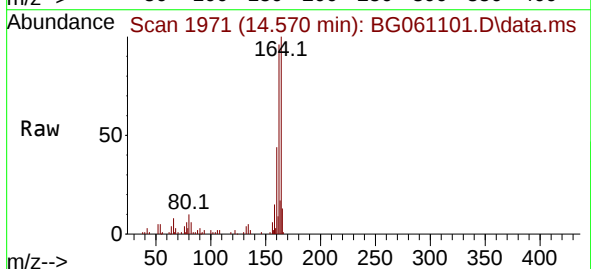


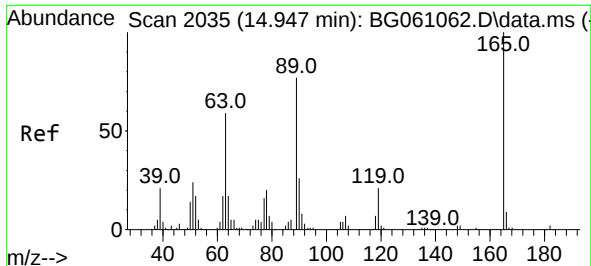
Tgt Ion:172 Resp: 356360
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.6
170 24.7 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.834 ng
RT: 14.570 min Scan# 1971
Delta R.T. 0.410 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

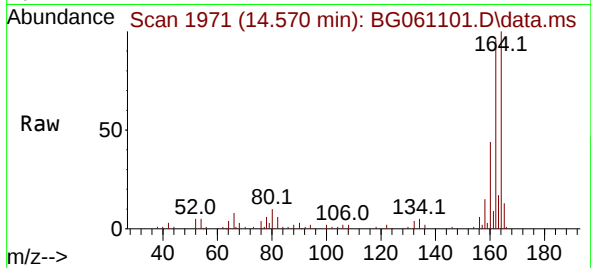
Tgt Ion:165 Resp: 7625
Ion Ratio Lower Upper
165 100
63 3.6 60.0 90.0#
89 0.0 50.9 76.3#



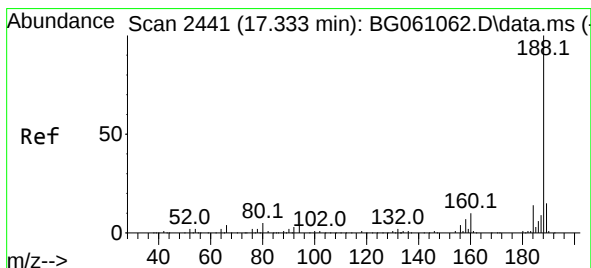
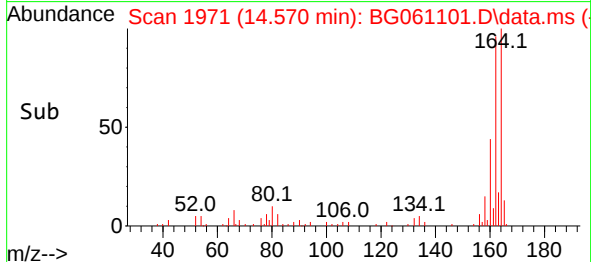
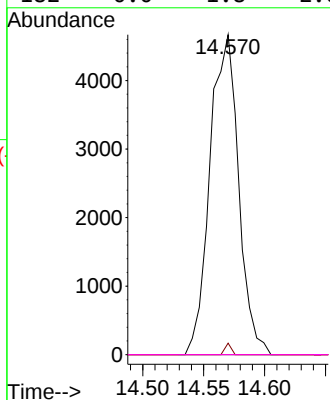


#57
2,4-Dinitrotoluene
Concen: 5.295 ng
RT: 14.570 min Scan# 1971
Delta R.T. -0.377 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

Instrument :
BNA_G
ClientSampleId :
PB160665BL

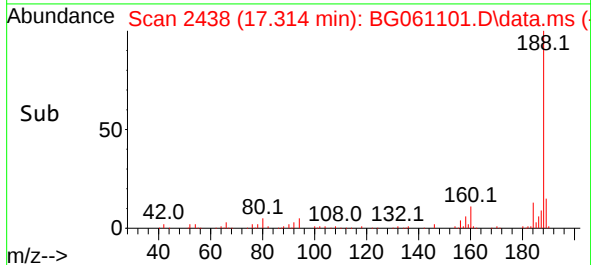
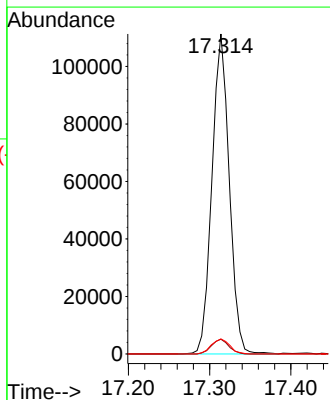
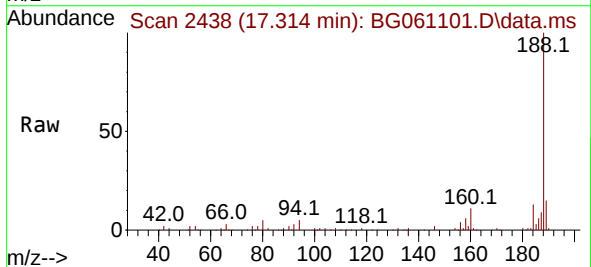


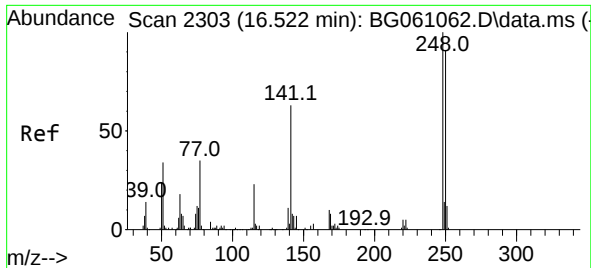
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Ion	Ratio	Lower	Upper
165	100		
63	3.6	47.3	70.9#
89	0.0	61.8	92.8#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.314 min Scan# 2438
Delta R.T. -0.019 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

Tgt Ion:188	Resp:	164608	
Ion Ratio	Lower	Upper	
188	100		
94	4.6	3.6	5.4
80	4.7	4.2	6.2

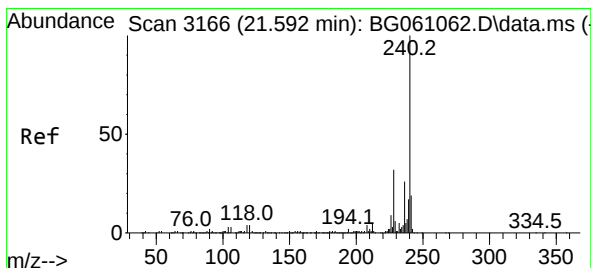
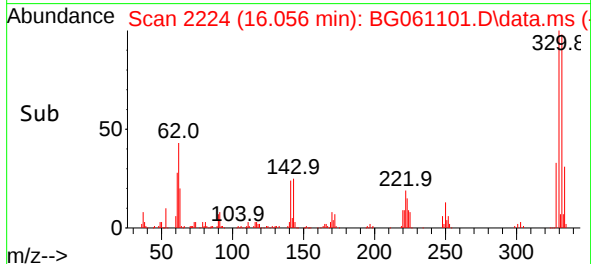
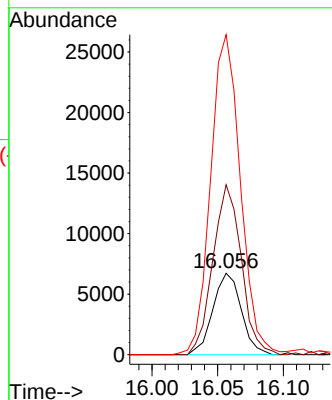
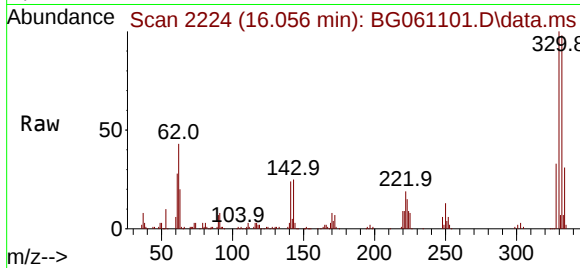




#67
4-Bromophenyl-phenylether
Concen: 5.219 ng
RT: 16.056 min Scan# 21
Delta R.T. -0.465 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

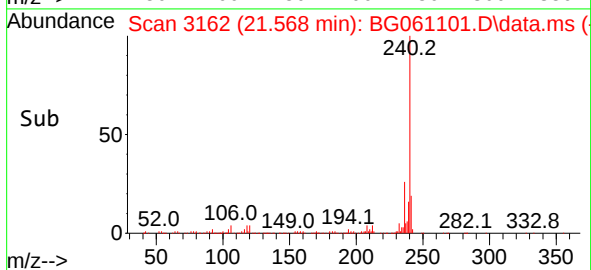
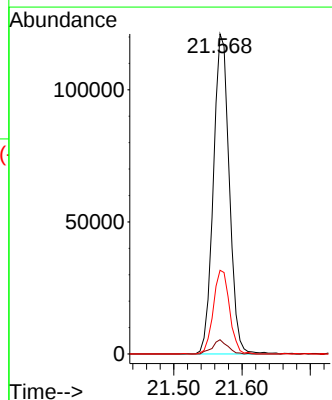
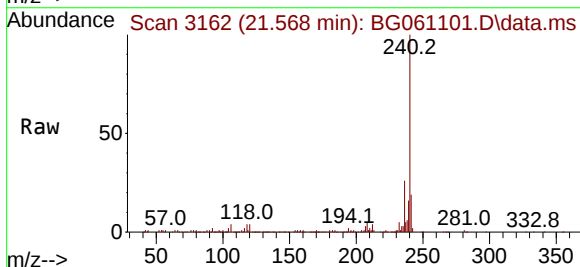
Instrument :
BNA_G
ClientSampleId :
PB160665BL

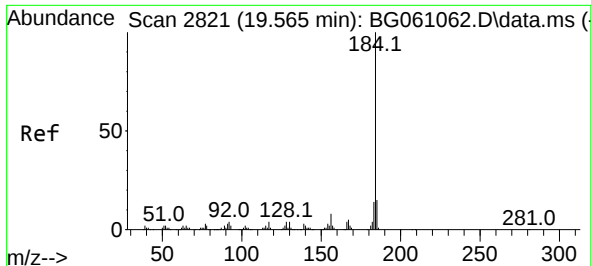
Tgt Ion:248 Resp: 10121
Ion Ratio Lower Upper
248 100
250 208.6 73.0 109.4#
141 392.7 50.8 76.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3162
Delta R.T. -0.025 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

Tgt Ion:240 Resp: 196421
Ion Ratio Lower Upper
240 100
120 4.5 3.2 4.8
236 26.2 21.0 31.6

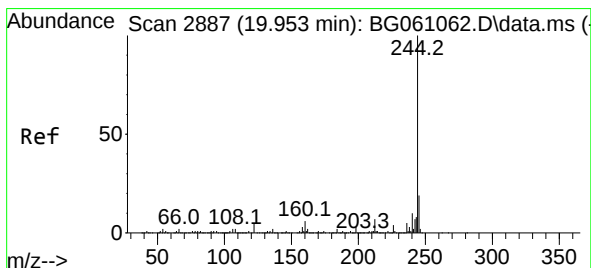
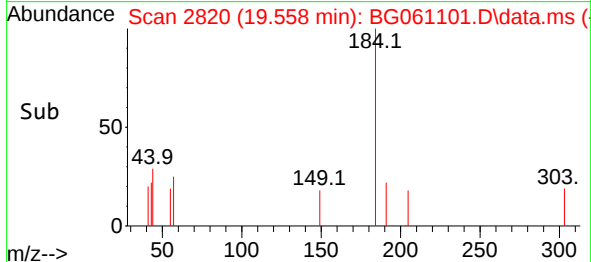
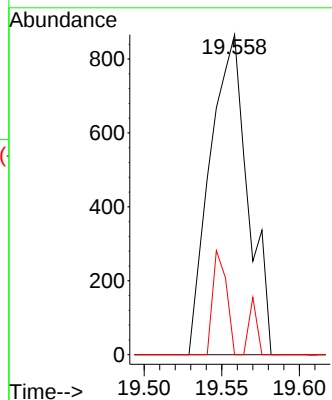
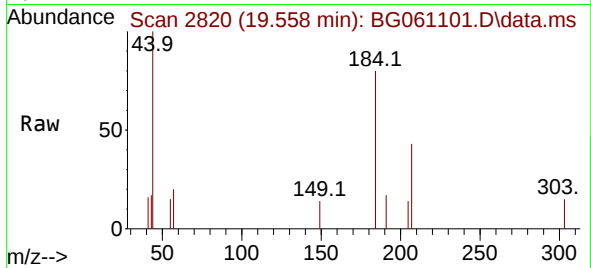




#77
Benzidine
Concen: 3.164 ng
RT: 19.558 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

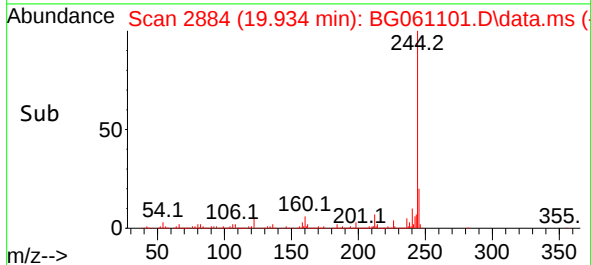
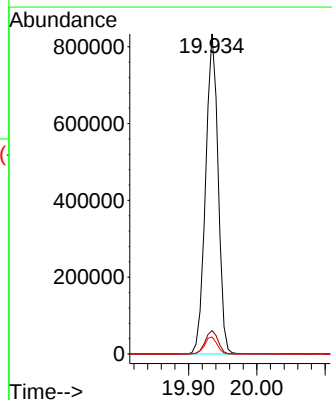
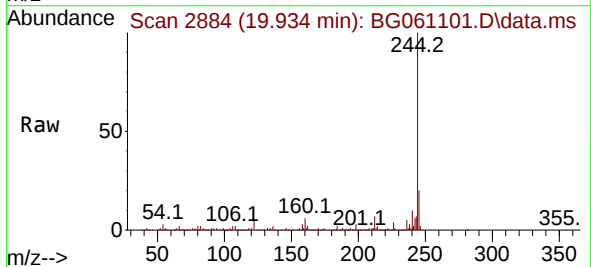
Instrument :
BNA_G
ClientSampleId :
PB160665BL

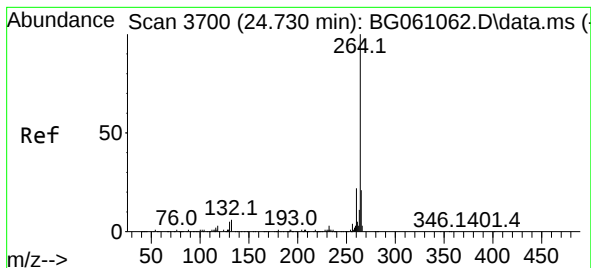
Tgt Ion:184 Resp: 1462
Ion Ratio Lower Upper
184 100
185 0.0 12.0 18.0#
183 0.0 10.9 16.3#



#79
Terphenyl-d14
Concen: 90.020 ng
RT: 19.934 min Scan# 2884
Delta R.T. -0.019 min
Lab File: BG061101.D
Acq: 3 May 2024 11:02

Tgt Ion:244 Resp: 1063162
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 5.3 4.2 6.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.693 min Scan# 30

Delta R.T. -0.037 min

Lab File: BG061101.D

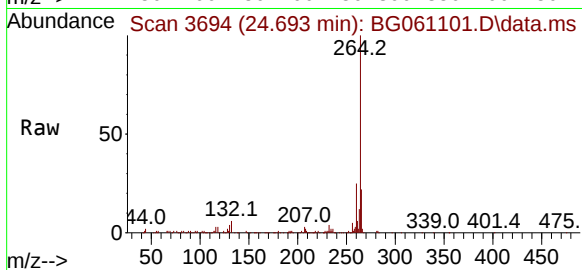
Acq: 3 May 2024 11:02

Instrument :

BNA_G

ClientSampleId :

PB160665BL



Tgt Ion:264 Resp: 218613

Ion Ratio Lower Upper

264 100

260 25.0 17.7 26.5

265 21.6 16.4 24.6

