

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041023\
 Data File : BG057046.D
 Acq On : 10 Apr 2023 15:31
 Operator : CG/JU
 Sample : 02224-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OU3-FC-BACKFILL-05

Quant Time: Apr 11 04:12:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 08 04:45:47 2023
 Response via : Initial Calibration

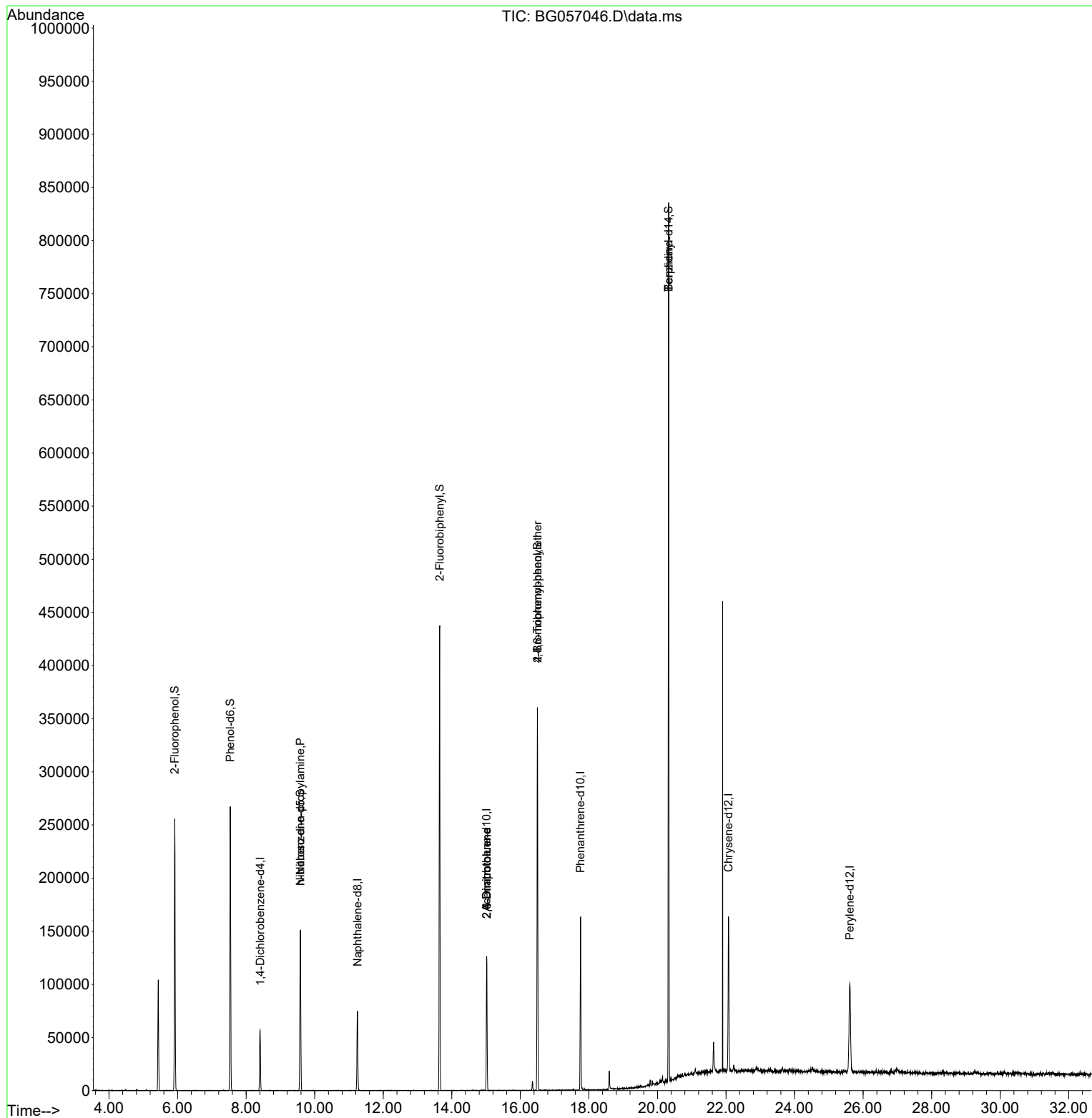
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.408	152	16276	20.000	ng	0.00
21) Naphthalene-d8	11.245	136	63352	20.000	ng	0.00
39) Acenaphthene-d10	15.016	164	45556	20.000	ng	0.00
64) Phenanthrene-d10	17.754	188	107097	20.000	ng	0.00
76) Chrysene-d12	22.071	240	94056	20.000	ng	-0.01
86) Perylene-d12	25.608	264	102051	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	105822	104.057	ng	0.00
7) Phenol-d6	7.538	99	151066	99.320	ng	0.00
23) Nitrobenzene-d5	9.582	82	98205	63.428	ng	0.00
42) 2,4,6-Tribromophenol	16.497	330	73281	100.692	ng	0.00
45) 2-Fluorobiphenyl	13.647	172	231063	68.778	ng	0.00
79) Terphenyl-d14	20.327	244	409885	73.742	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.582	70	13552	12.457	ng	# 77
51) 2,6-Dinitrotoluene	15.022	165	5568	7.179	ng	# 18
57) 2,4-Dinitrotoluene	15.022	165	5568	5.090	ng	# 18
67) 4-Bromophenyl-phenylether	16.497	248	4553	3.436	ng	# 1
77) Benzidine	20.327	184	6216	2.418	ng	# 91

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

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OU3-FC-BACKFILL-05

Quant Time: Apr 11 04:12:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 08 04:45:47 2023
Response via : Initial Calibration

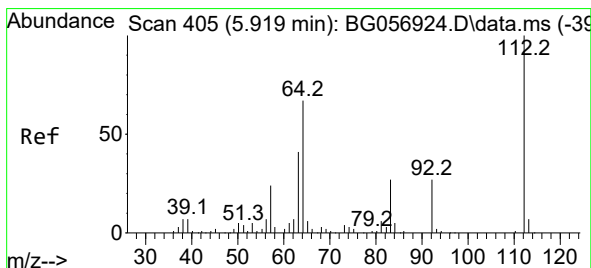
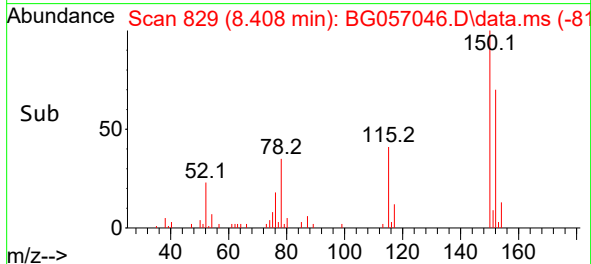
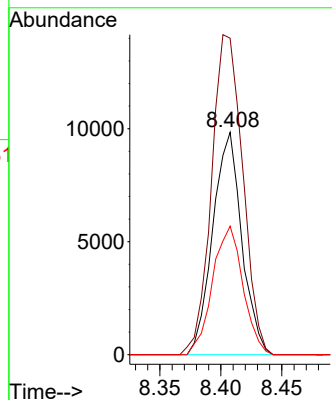
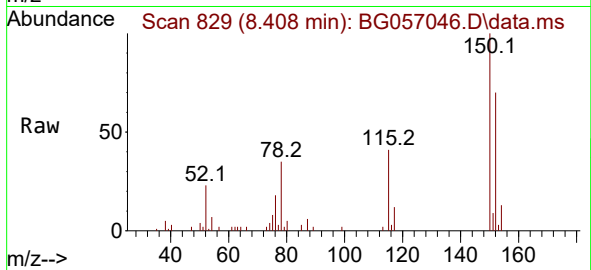




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.408 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

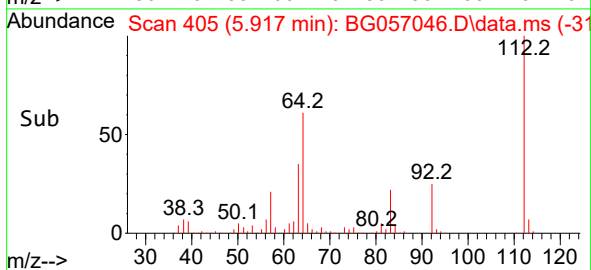
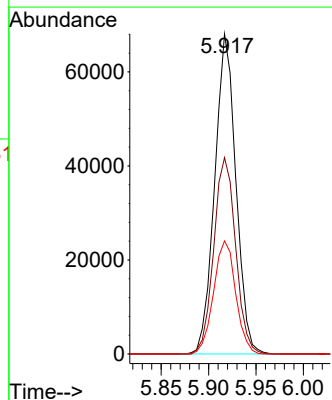
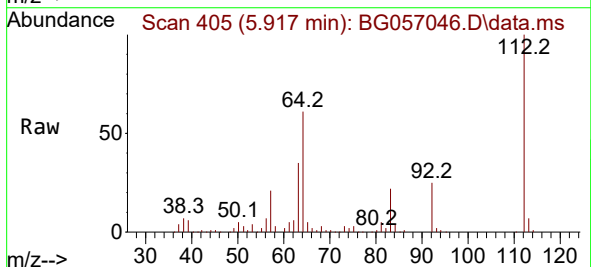
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-05

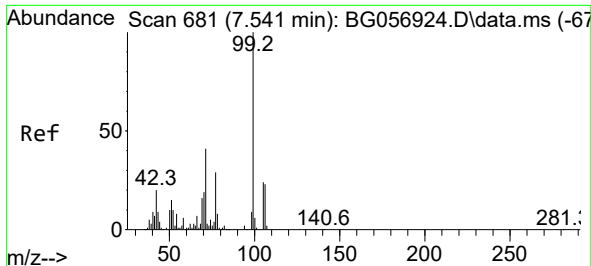
Tgt Ion:152 Resp: 16276
Ion Ratio Lower Upper
152 100
150 142.4 124.1 186.1
115 57.8 49.1 73.7



#5
2-Fluorophenol
Concen: 104.057 ng
RT: 5.917 min Scan# 405
Delta R.T. -0.000 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

Tgt Ion:112 Resp: 105822
Ion Ratio Lower Upper
112 100
64 61.4 53.2 79.8
63 35.4 32.6 48.8

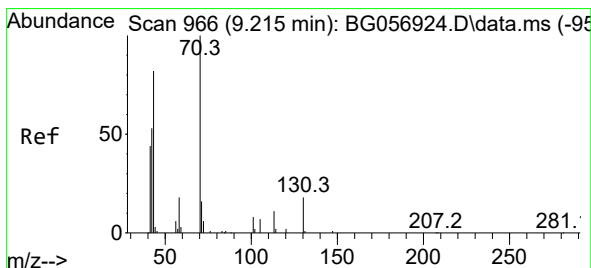
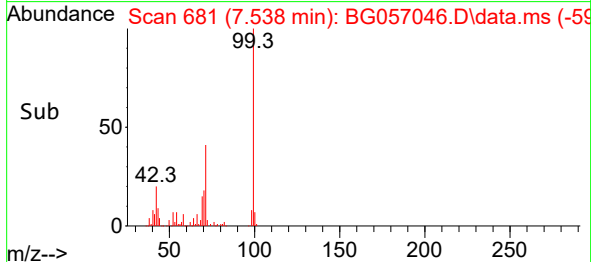
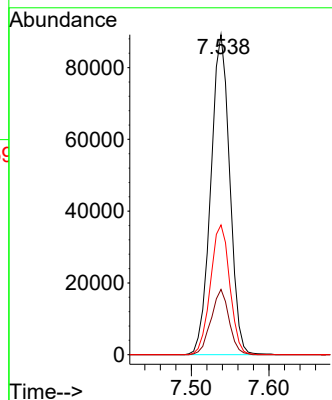
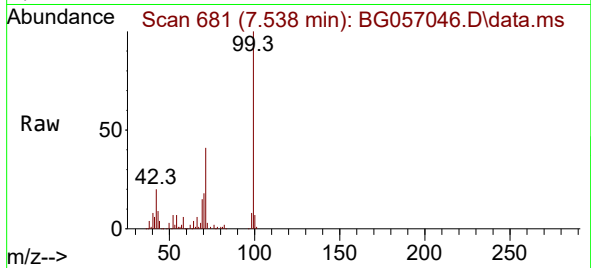




#7
Phenol-d6
Concen: 99.320 ng
RT: 7.538 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

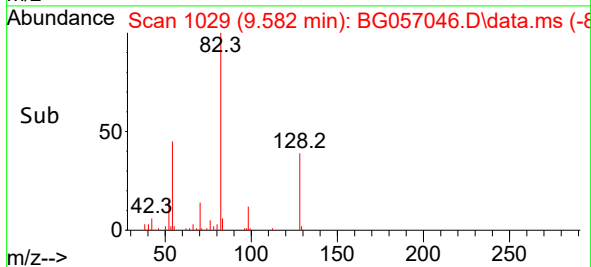
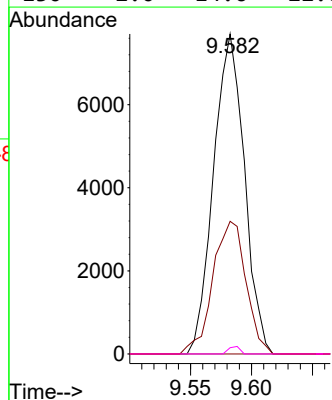
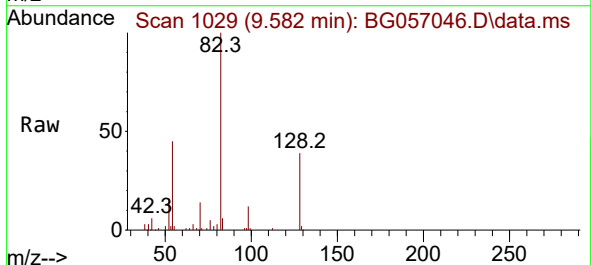
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-05

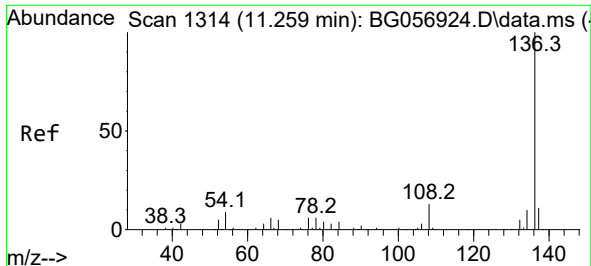
Tgt Ion: 99 Resp: 151066
Ion Ratio Lower Upper
99 100
42 20.4 15.7 23.5
71 40.6 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.457 ng
RT: 9.582 min Scan# 1029
Delta R.T. 0.370 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

Tgt Ion: 70 Resp: 13552
Ion Ratio Lower Upper
70 100
42 41.4 43.4 65.0#
101 0.0 6.2 9.2#
130 2.0 14.6 22.0#

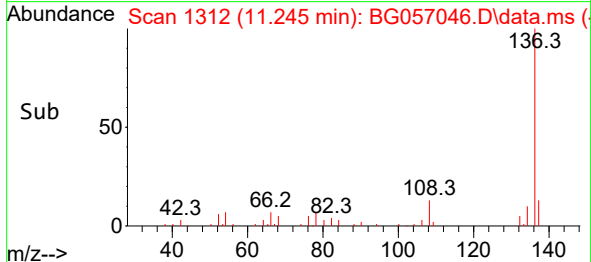
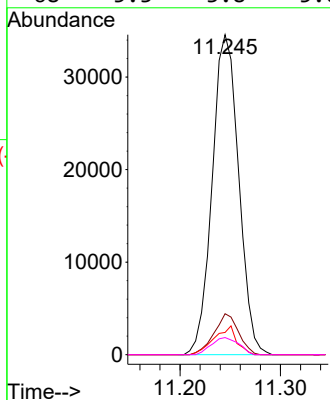
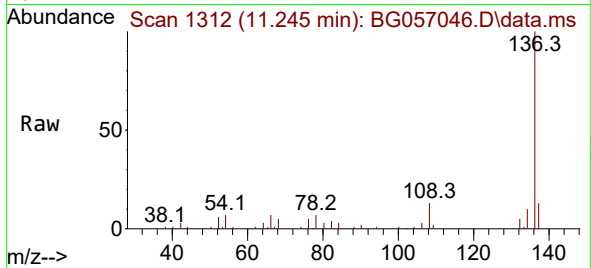




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

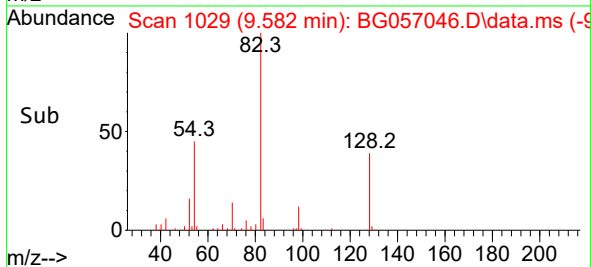
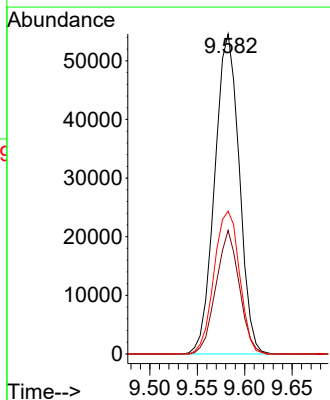
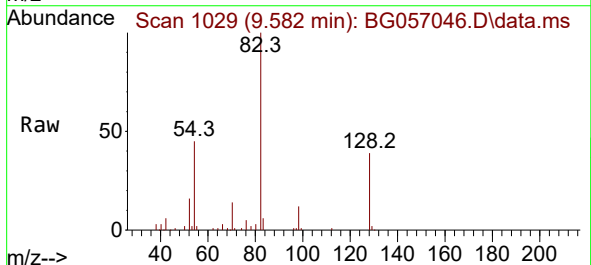
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-05

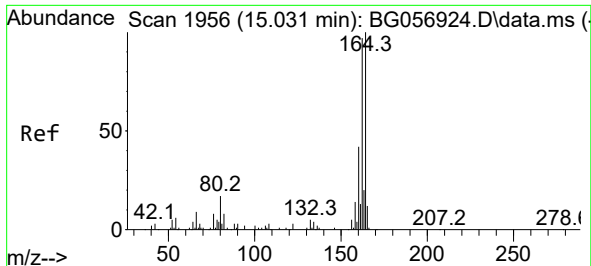
Tgt Ion:	136	Resp:	63352
Ion Ratio	Lower	Upper	
136	100		
137	12.8	8.6	13.0
54	6.9	6.9	10.3
68	5.3	3.8	5.6



#23
Nitrobenzene-d5
Concen: 63.428 ng
RT: 9.582 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

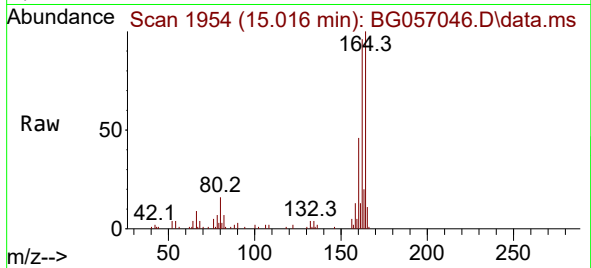
Tgt Ion:	82	Resp:	98205
Ion Ratio	Lower	Upper	
82	100		
128	38.6	27.9	41.9
54	44.6	39.4	59.2



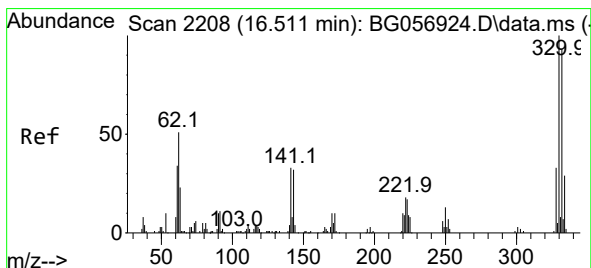
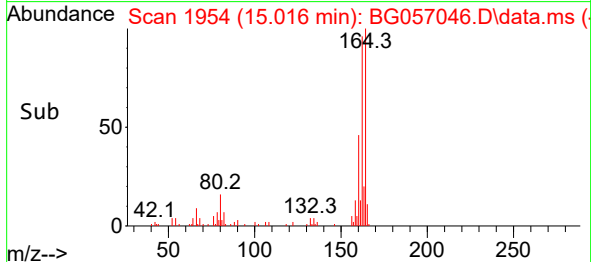
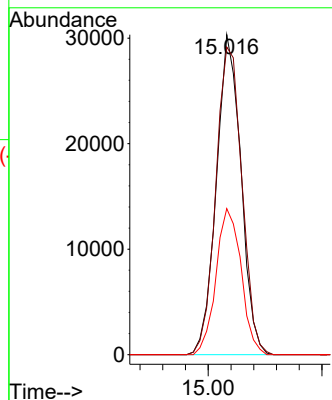


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.016 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-05

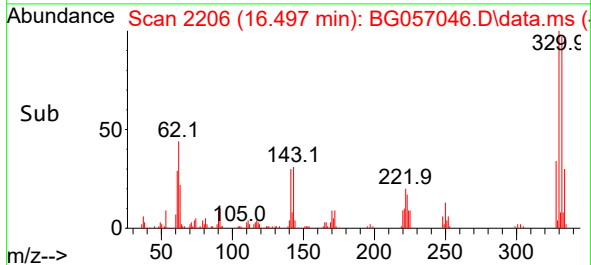
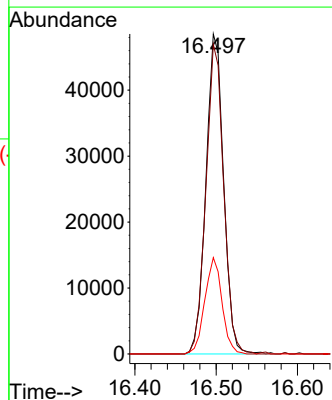
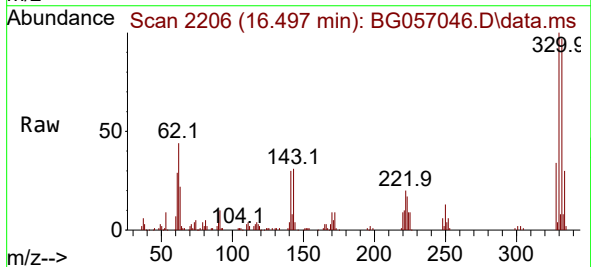


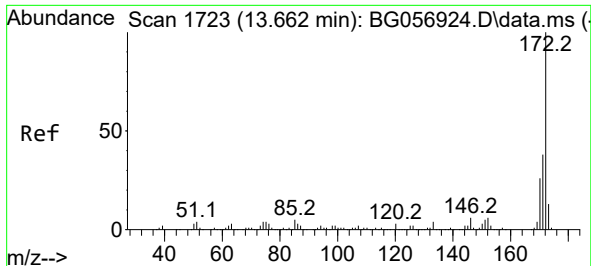
Tgt Ion:164 Resp: 45556
Ion Ratio Lower Upper
164 100
162 96.2 77.8 116.8
160 45.6 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 100.692 ng
RT: 16.497 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

Tgt Ion:330 Resp: 73281
Ion Ratio Lower Upper
330 100
332 96.9 76.1 114.1
141 29.3 25.8 38.6

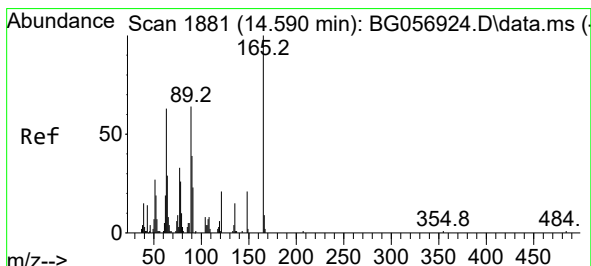
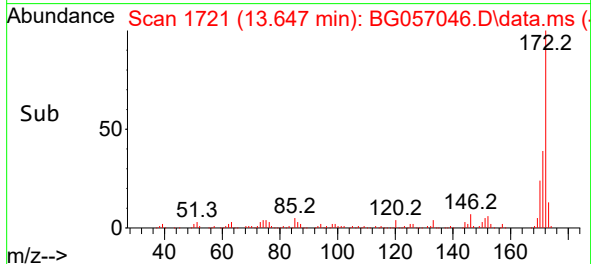
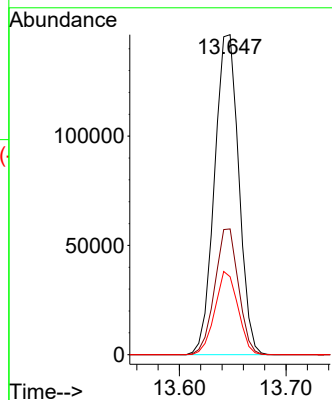
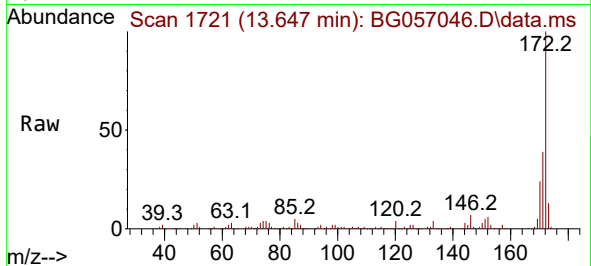




#45
2-Fluorobiphenyl
Concen: 68.778 ng
RT: 13.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

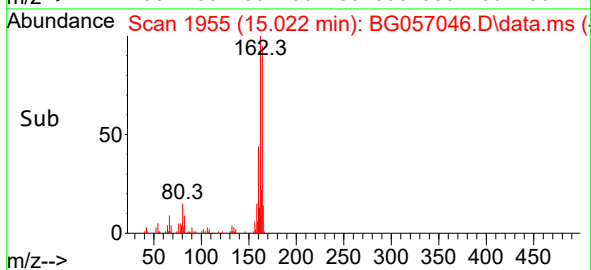
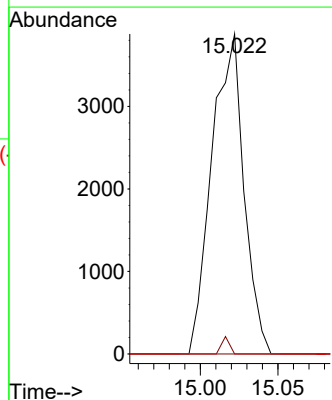
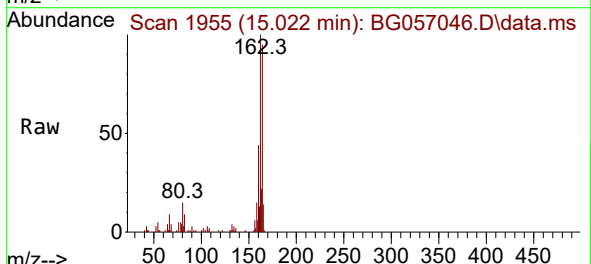
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-05

Tgt Ion:172 Resp: 231063
Ion Ratio Lower Upper
172 100
171 39.3 30.6 46.0
170 24.3 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.179 ng
RT: 15.022 min Scan# 1955
Delta R.T. 0.435 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

Tgt Ion:165 Resp: 5568
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#





#57

2,4-Dinitrotoluene

Concen: 5.090 ng

RT: 15.022 min Scan# 1955

Delta R.T. -0.347 min

Lab File: BG057046.D

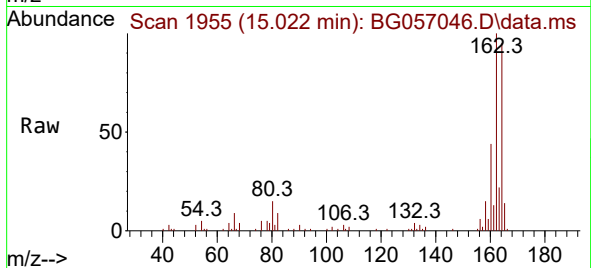
Acq: 10 Apr 2023 15:31

Instrument :

BNA_G

ClientSampleId :

OU3-FC-BACKFILL-05



Tgt Ion:165 Resp: 5568

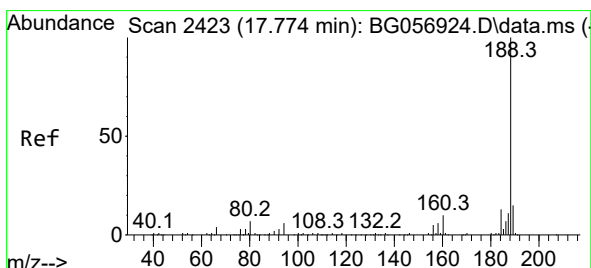
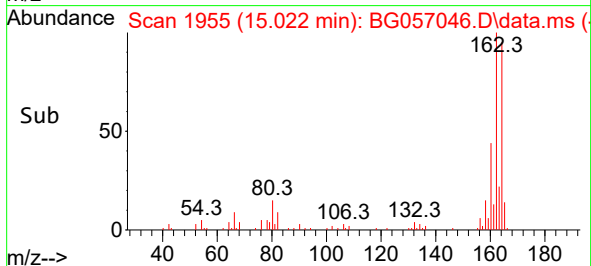
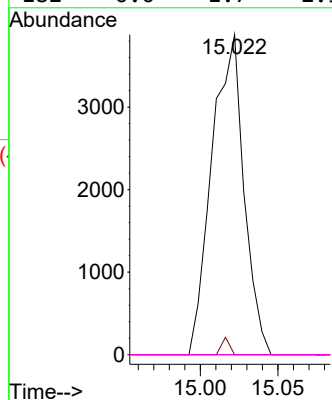
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.754 min Scan# 2420

Delta R.T. -0.006 min

Lab File: BG057046.D

Acq: 10 Apr 2023 15:31

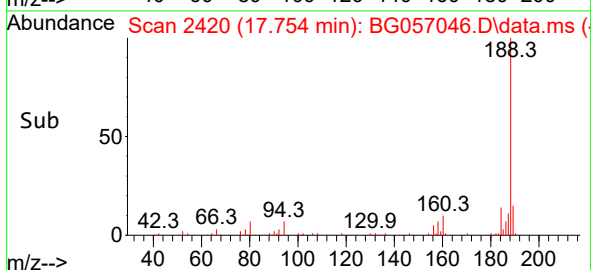
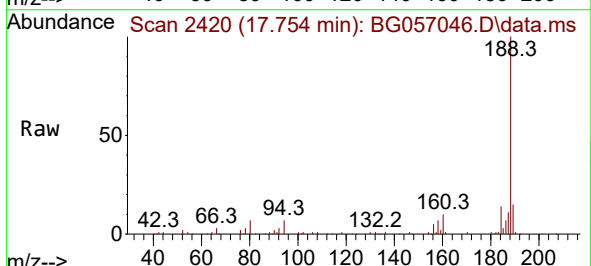
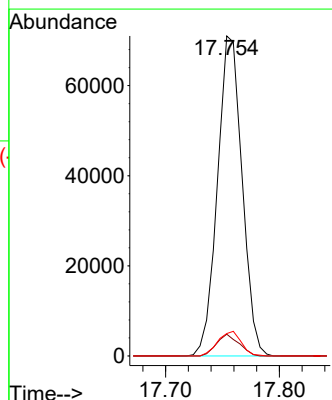
Tgt Ion:188 Resp: 107097

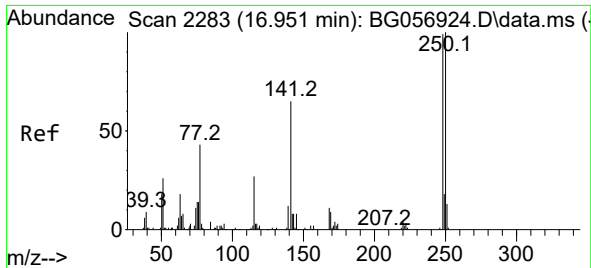
Ion Ratio Lower Upper

188 100

94 6.8 4.6 6.8

80 7.0 5.5 8.3

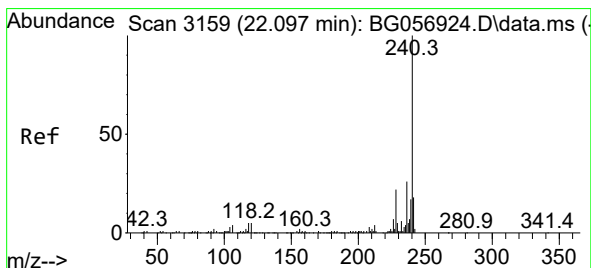
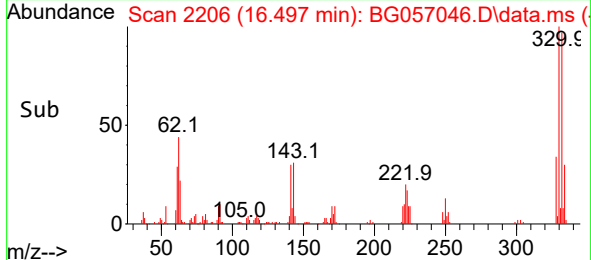
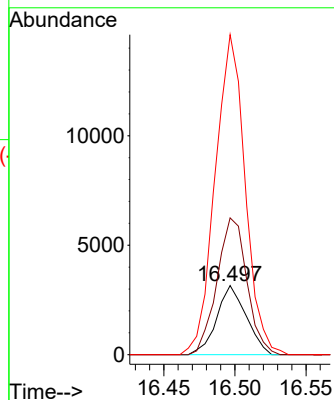
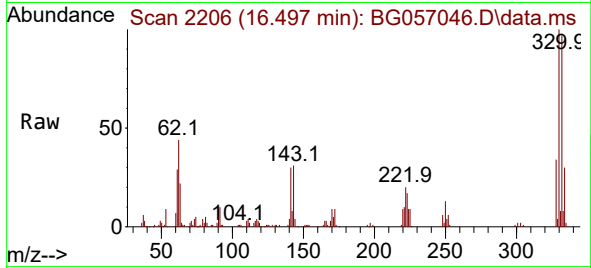




#67
4-Bromophenyl-phenylether
Concen: 3.436 ng
RT: 16.497 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

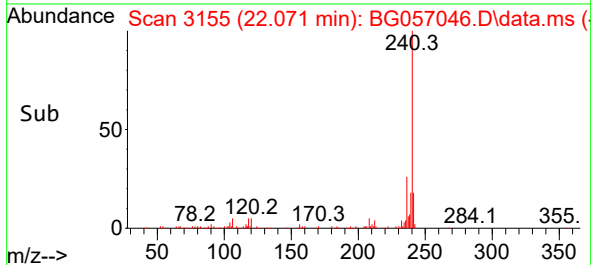
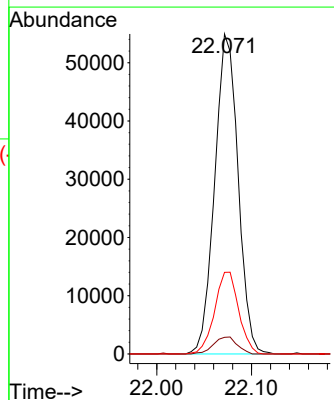
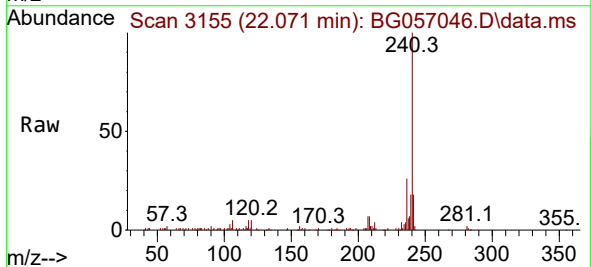
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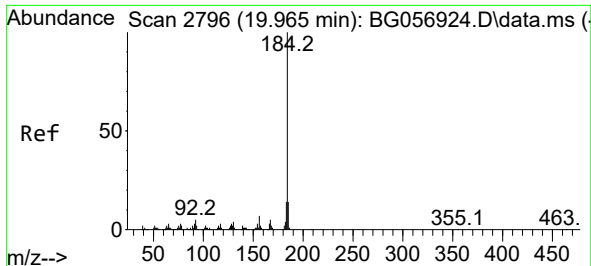
Tgt Ion:248 Resp: 4553
Ion Ratio Lower Upper
248 100
250 198.1 80.5 120.7#
141 463.4 52.0 78.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.071 min Scan# 3155
Delta R.T. -0.012 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

Tgt Ion:240 Resp: 94056
Ion Ratio Lower Upper
240 100
120 5.2 3.8 5.6
236 25.5 21.0 31.6

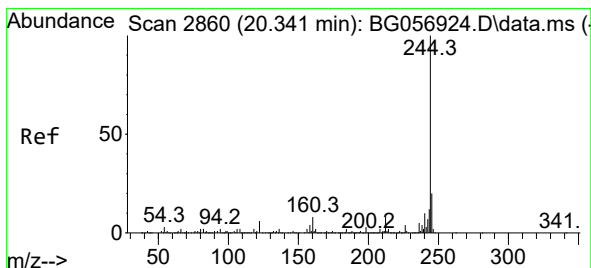
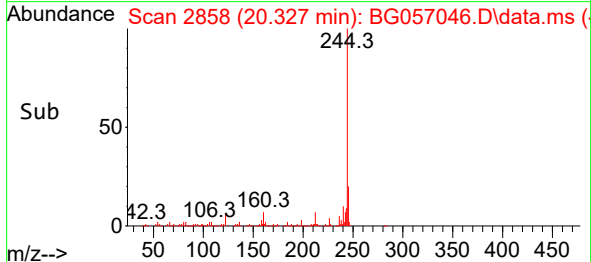
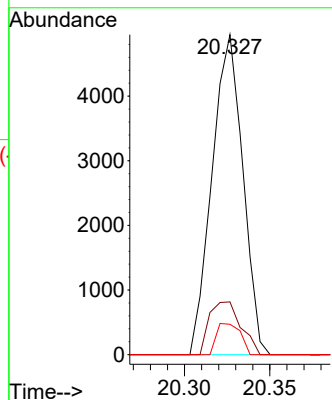
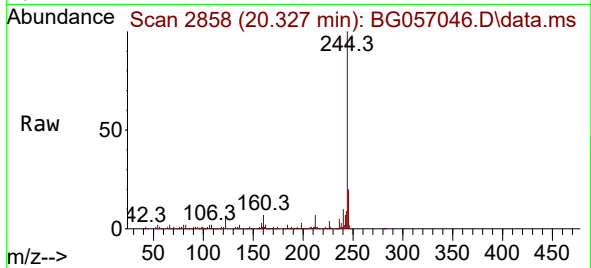




#77
Benzidine
Concen: 2.418 ng
RT: 20.327 min Scan# 2858
Delta R.T. 0.376 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

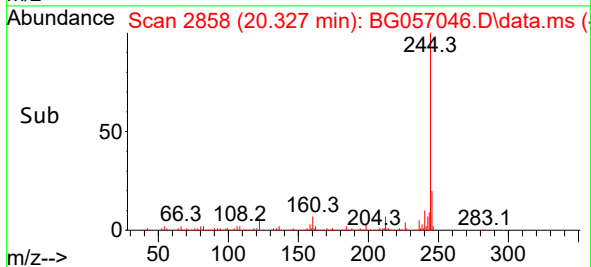
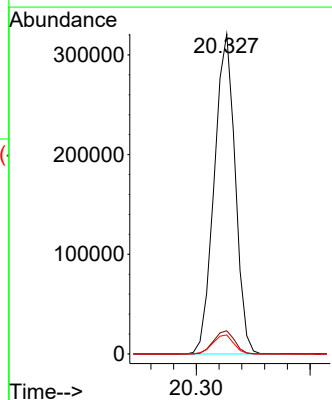
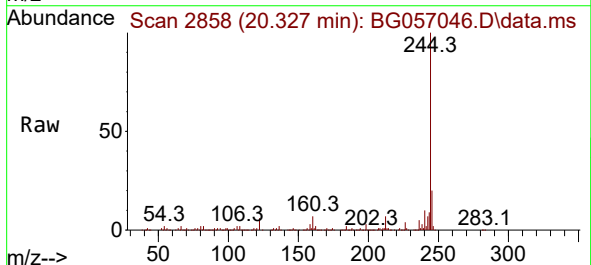
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-05

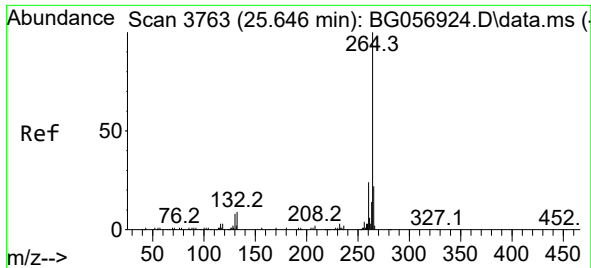
Tgt Ion:184 Resp: 6216
Ion Ratio Lower Upper
184 100
185 16.5 11.0 16.4#
183 9.5 11.4 17.0#



#79
Terphenyl-d14
Concen: 73.742 ng
RT: 20.327 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BG057046.D
Acq: 10 Apr 2023 15:31

Tgt Ion:244 Resp: 409885
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 6.0 5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.608 min Scan# 31
 Delta R.T. -0.024 min
 Lab File: BG057046.D
 Acq: 10 Apr 2023 15:31

Instrument :
 BNA_G
 ClientSampleId :
 OU3-FC-BACKFILL-05

Tgt Ion:264 Resp: 102051
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.0 28.4
 265 21.2 17.8 26.6

