

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050110.D
 Acq On : 05 May 2025 22:14
 Operator : RC/JU
 Sample : Q1933-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-01-050125

Quant Time: May 06 05:21:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

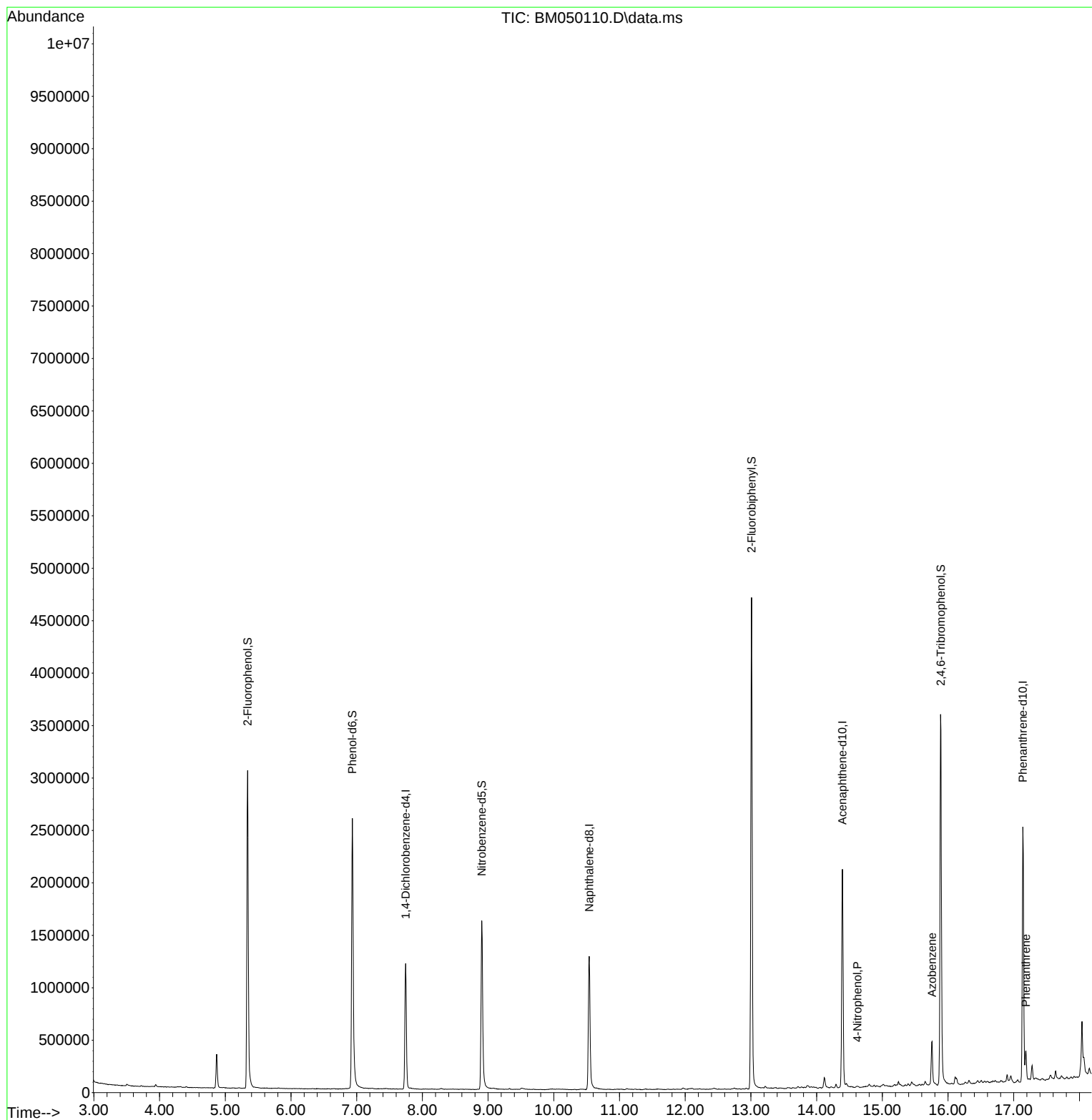
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	360225	20.000	ng	-0.02
21) Naphthalene-d8	10.540	136	1230008	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	780051	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1512593	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1412689	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1470561	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1457856	70.867	ng	-0.02
7) Phenol-d6	6.934	99	1754421	67.854	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1066538	42.728	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	807499	70.010	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2652279	40.223	ng	-0.02
79) Terphenyl-d14	19.768	244	3911570	40.972	ng	-0.01
Target Compounds						Qvalue
56) 4-Nitrophenol	14.622	139	538	4.589	ng	# 47
63) Azobenzene	15.757	77	123921	2.753	ng	# 1
71) Phenanthrene	17.186	178	184923	2.168	ng	98
75) Fluoranthene	19.204	202	481743	4.810	ng	99
78) Pyrene	19.562	202	536272	5.406	ng	100
81) Benzo(a)anthracene	21.362	228	294959	3.032	ng	97
83) Chrysene	21.421	228	289973	3.221	ng	97
88) Benzo(b)fluoranthene	23.433	252	371229	3.882	ng	# 89
89) Benzo(k)fluoranthene	23.433	252	371229	3.837	ng	# 88
90) Benzo(a)pyrene	24.233	252	285201	3.184	ng	# 94
92) Benzo(g,h,i)perylene	28.809	276	197782	2.313	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050110.D
Acq On : 05 May 2025 22:14
Operator : RC/JU
Sample : Q1933-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OK-01-050125

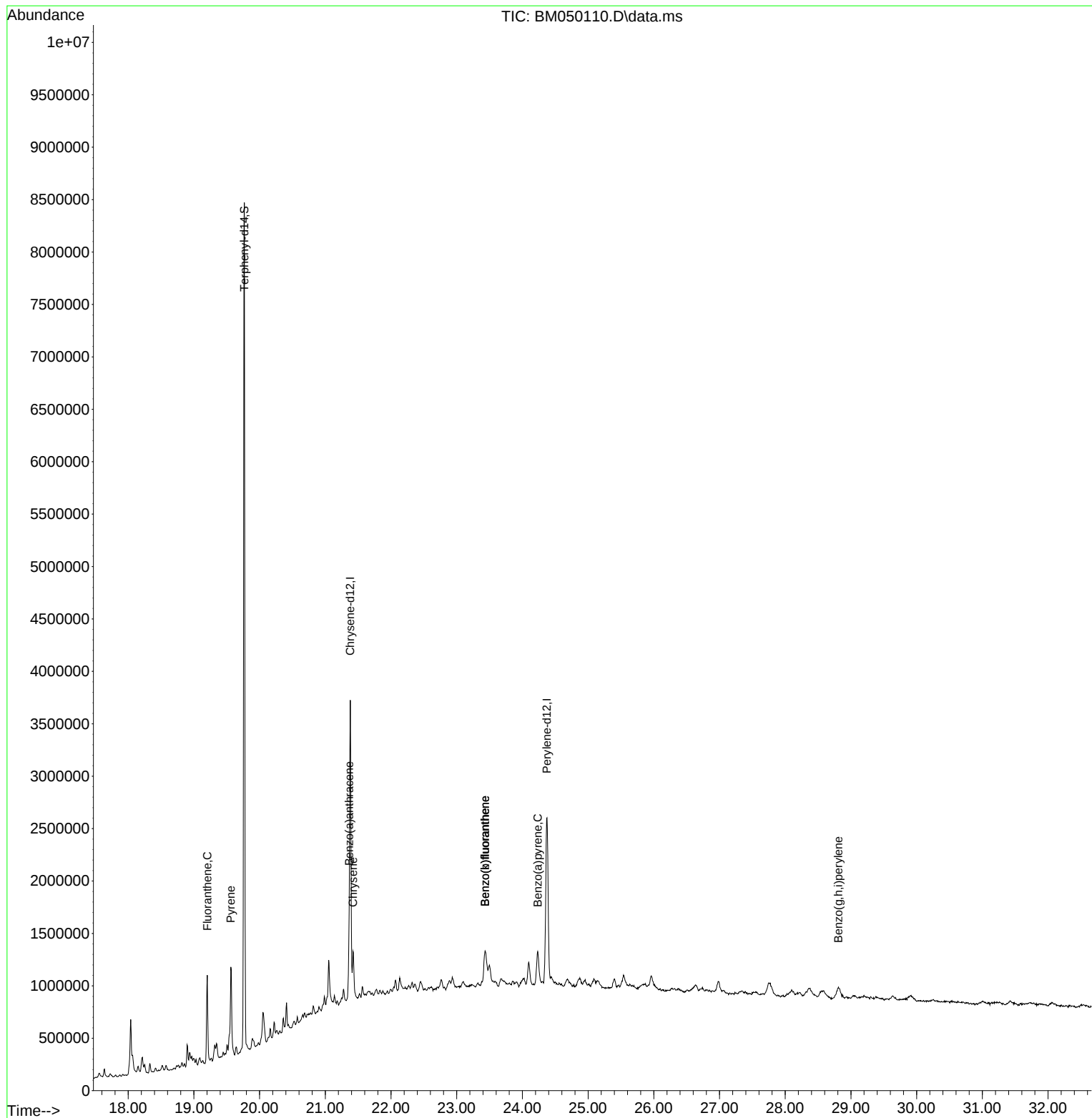
Quant Time: May 06 05:21:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050110.D
Acq On : 05 May 2025 22:14
Operator : RC/JU
Sample : Q1933-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OK-01-050125

Quant Time: May 06 05:21:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

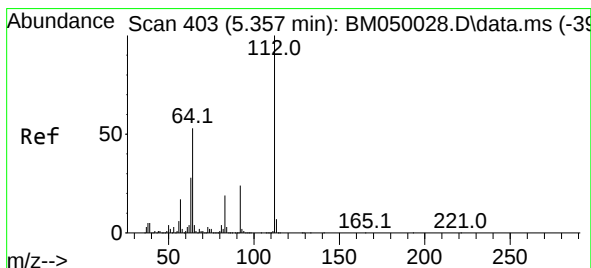
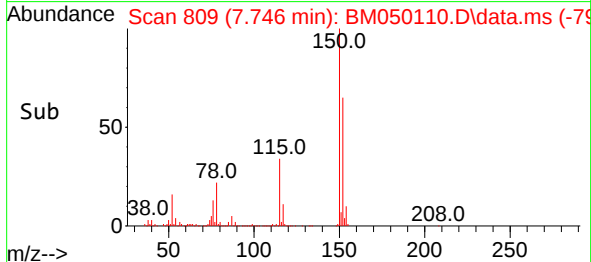
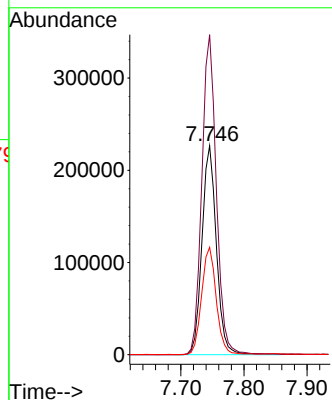
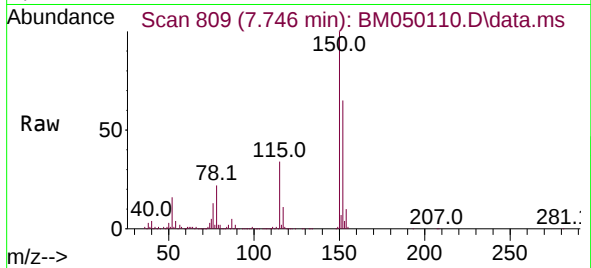




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 80
Delta R.T. -0.023 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

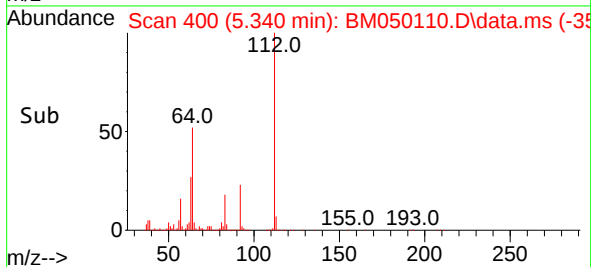
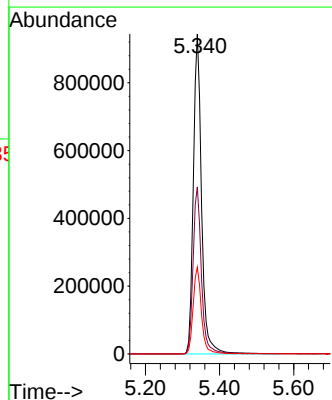
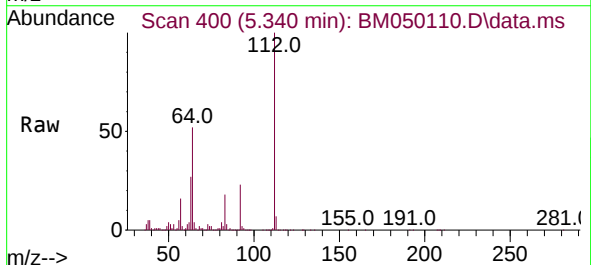
Instrument :
BNA_M
ClientSampleId :
OK-01-050125

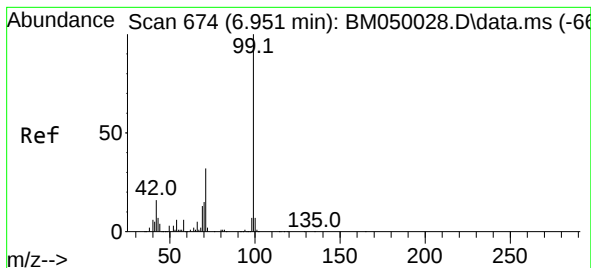
Tgt Ion:152 Resp: 360225
Ion Ratio Lower Upper
152 100
150 153.1 124.1 186.1
115 51.4 41.2 61.8



#5
2-Fluorophenol
Concen: 70.867 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.017 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

Tgt Ion:112 Resp: 1457856
Ion Ratio Lower Upper
112 100
64 52.2 42.6 64.0
63 27.2 22.2 33.4





#7

Phenol-d6

Concen: 67.854 ng

RT: 6.934 min Scan# 61

Delta R.T. -0.017 min

Lab File: BM050110.D

Acq: 05 May 2025 22:14

Instrument :

BNA_M

ClientSampleId :

OK-01-050125

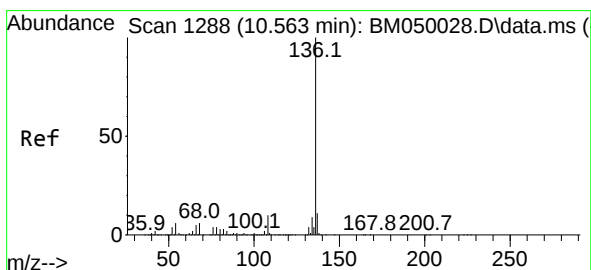
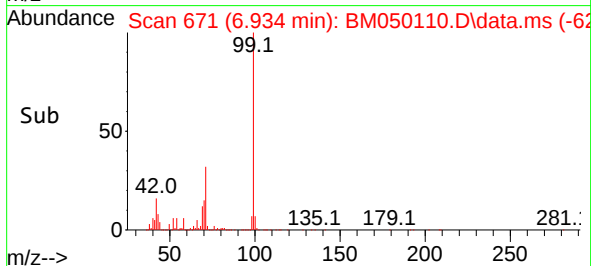
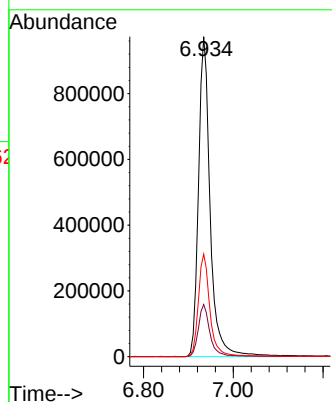
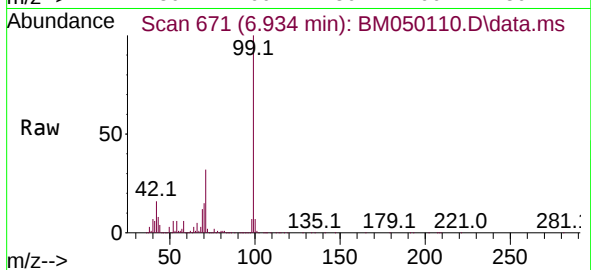
Tgt Ion: 99 Resp: 1754421

Ion Ratio Lower Upper

99 100

42 16.3 13.0 19.4

71 32.0 25.6 38.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.540 min Scan# 1284

Delta R.T. -0.023 min

Lab File: BM050110.D

Acq: 05 May 2025 22:14

Tgt Ion: 136 Resp: 1230008

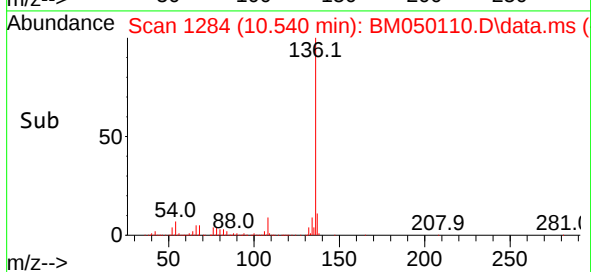
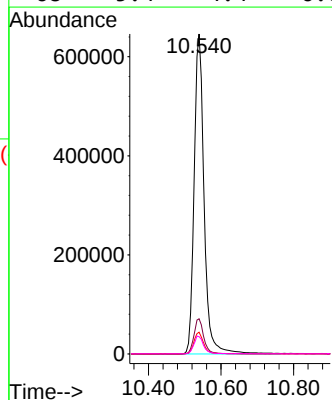
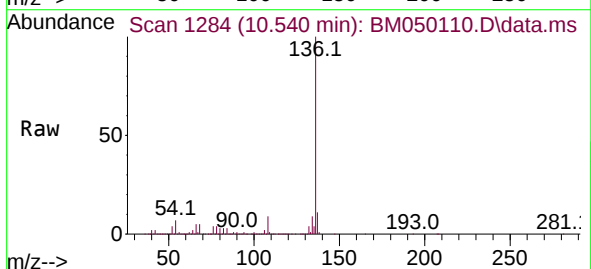
Ion Ratio Lower Upper

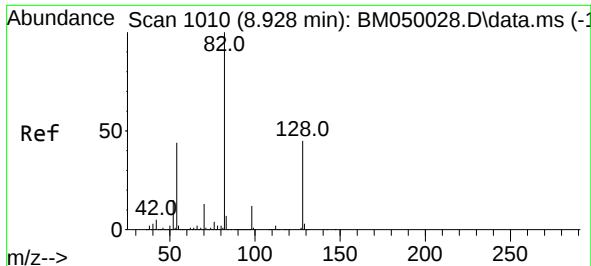
136 100

137 11.0 8.9 13.3

54 6.8 5.1 7.7

68 5.4 4.4 6.6

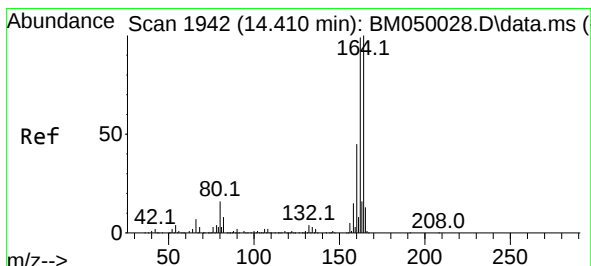
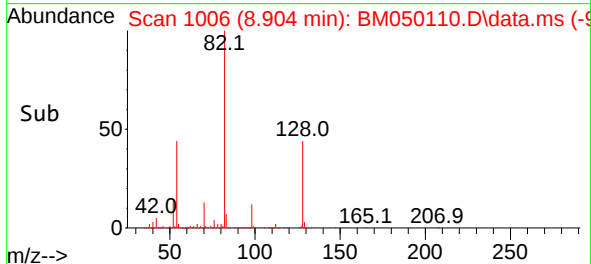
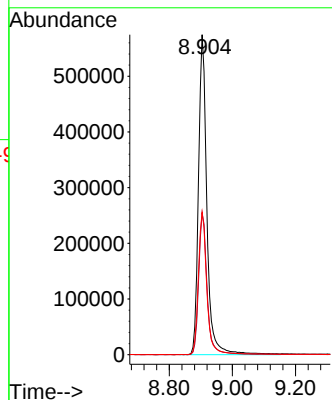
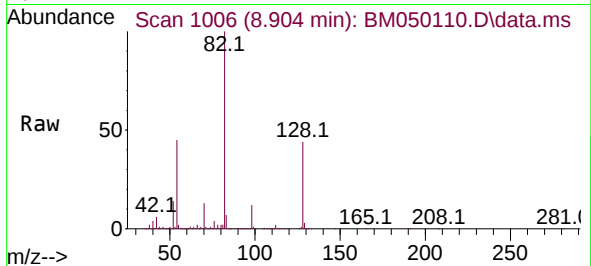




#23
Nitrobenzene-d5
Concen: 42.728 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.023 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

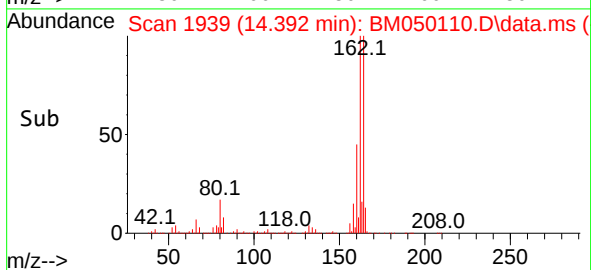
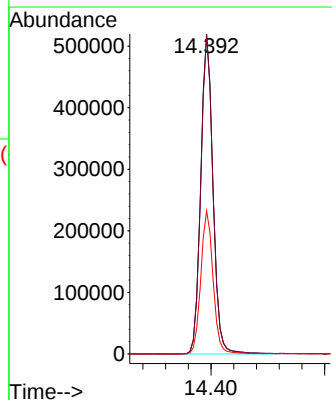
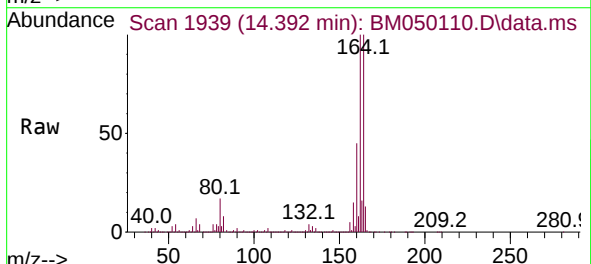
Instrument :
BNA_M
ClientSampleId :
OK-01-050125

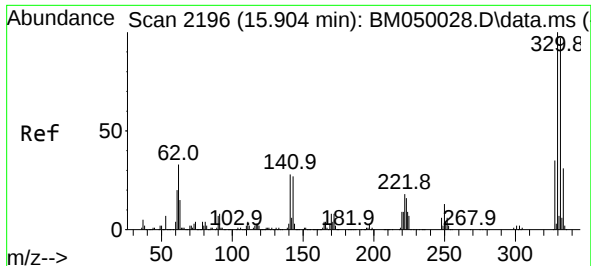
Tgt Ion: 82 Resp: 1066538
Ion Ratio Lower Upper
82 100
128 44.3 35.7 53.5
54 44.5 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

Tgt Ion: 164 Resp: 780051
Ion Ratio Lower Upper
164 100
162 99.6 79.4 119.0
160 44.7 36.2 54.4

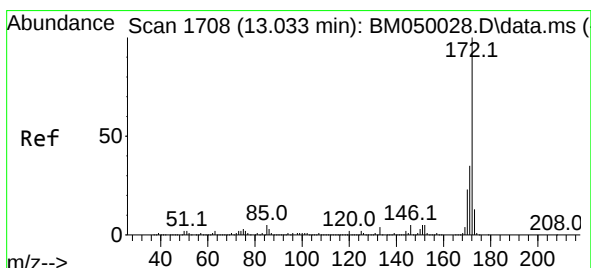
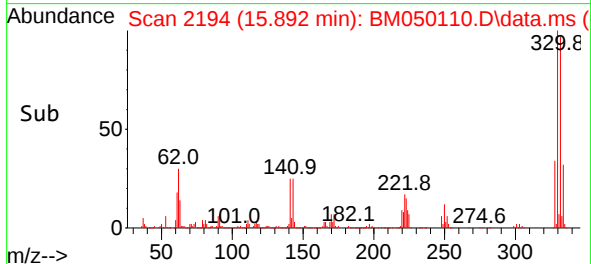
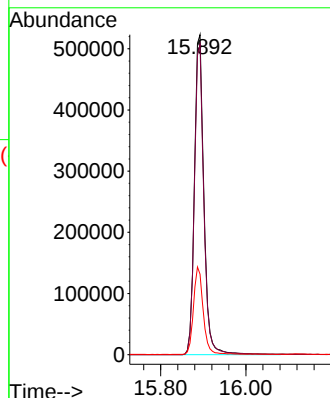
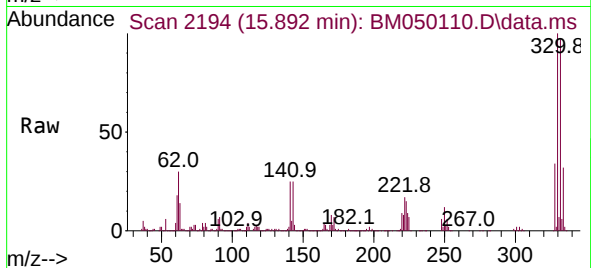




#42
2,4,6-Tribromophenol
Concen: 70.010 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

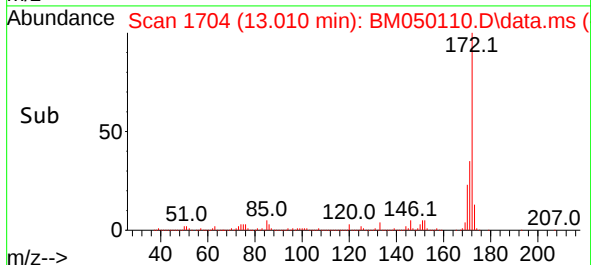
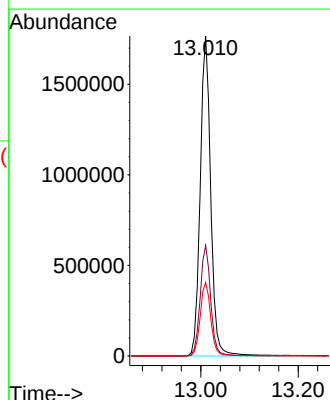
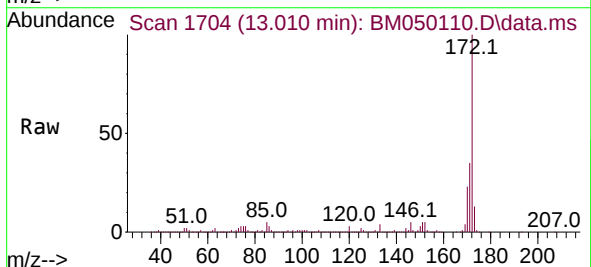
Instrument :
BNA_M
ClientSampleId :
OK-01-050125

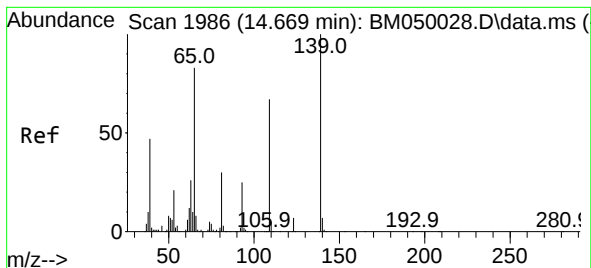
Tgt Ion:330 Resp: 807499
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 27.9 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 40.223 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.023 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

Tgt Ion:172 Resp: 2652279
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.0 18.6 28.0

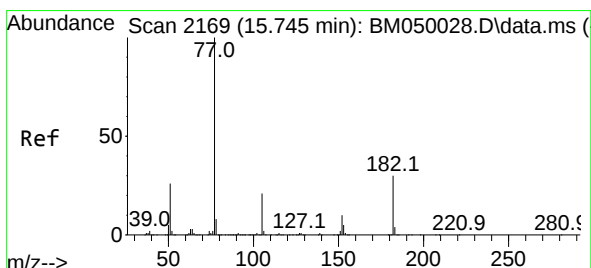
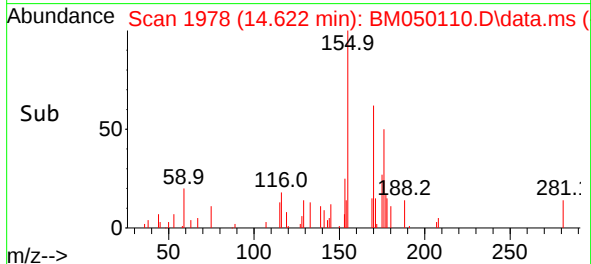
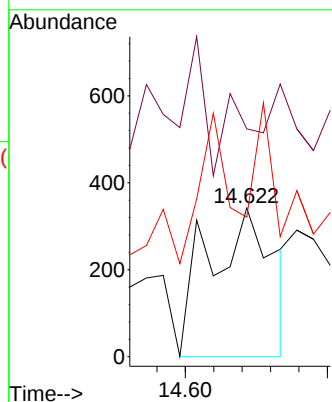
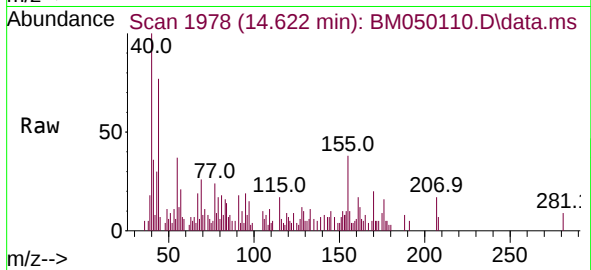




#56
4-Nitrophenol
Concen: 4.589 ng
RT: 14.622 min Scan# 1986
Delta R.T. -0.047 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

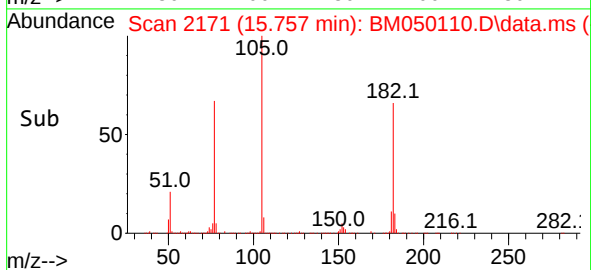
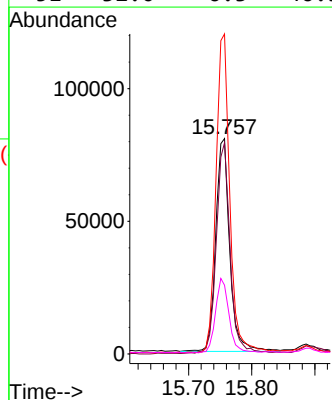
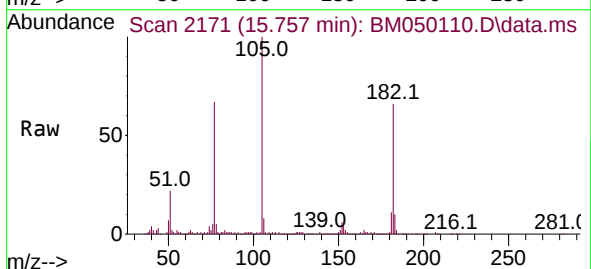
Instrument :
BNA_M
ClientSampleId :
OK-01-050125

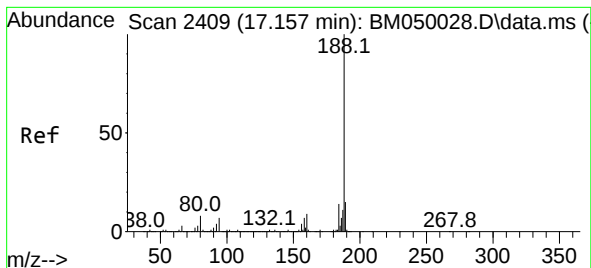
Tgt Ion:139 Resp: 538
Ion Ratio Lower Upper
139 100
109 153.2 47.0 87.0#
65 93.9 64.3 104.3



#63
Azobenzene
Concen: 2.753 ng
RT: 15.757 min Scan# 2171
Delta R.T. 0.012 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

Tgt Ion: 77 Resp: 123921
Ion Ratio Lower Upper
77 100
182 98.1 10.5 50.5#
105 148.6 1.1 41.1#
51 32.0 6.3 46.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2406

Delta R.T. -0.018 min

Lab File: BM050110.D

Acq: 05 May 2025 22:14

Instrument :

BNA_M

ClientSampleId :

OK-01-050125

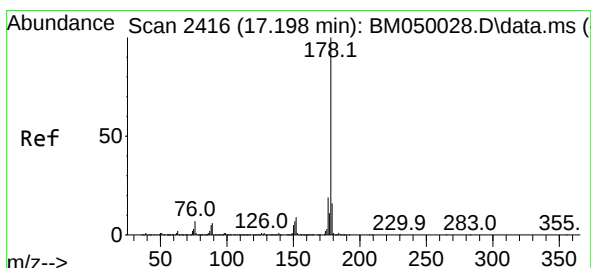
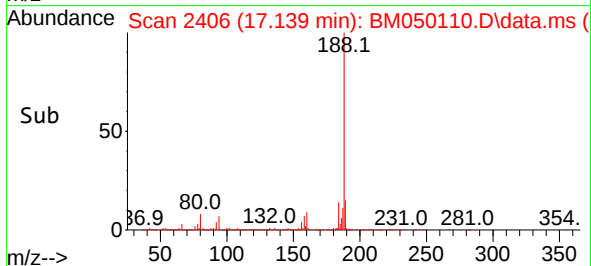
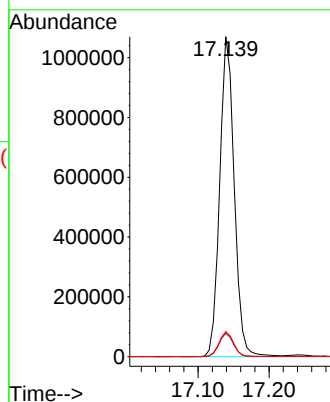
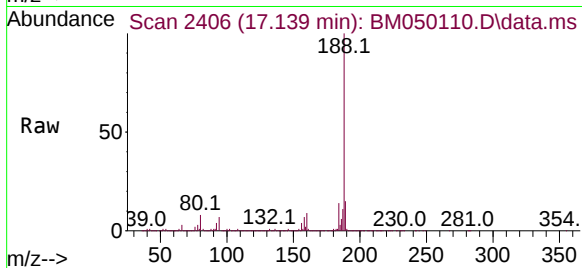
Tgt Ion:188 Resp: 1512593

Ion Ratio Lower Upper

188 100

94 7.3 5.7 8.5

80 7.9 6.2 9.4



#71

Phenanthrene

Concen: 2.168 ng

RT: 17.186 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM050110.D

Acq: 05 May 2025 22:14

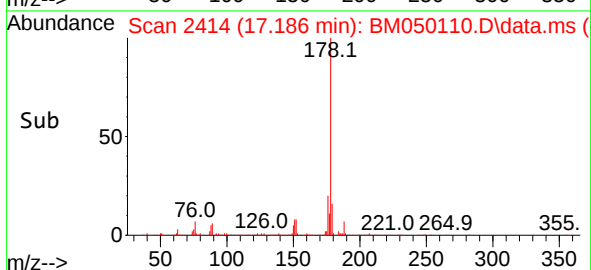
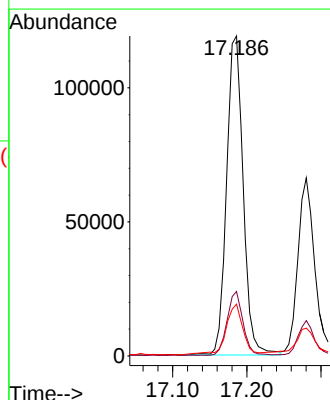
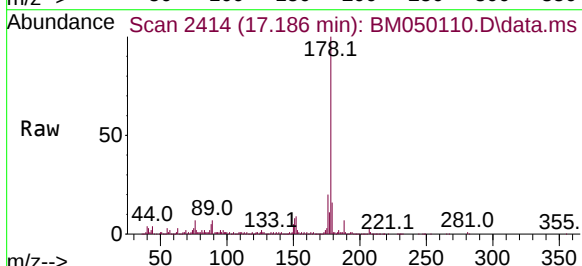
Tgt Ion:178 Resp: 184923

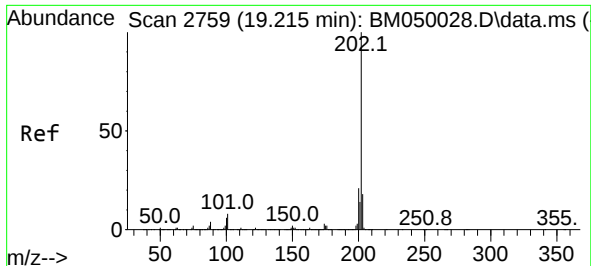
Ion Ratio Lower Upper

178 100

176 20.2 15.3 22.9

179 16.2 12.4 18.6

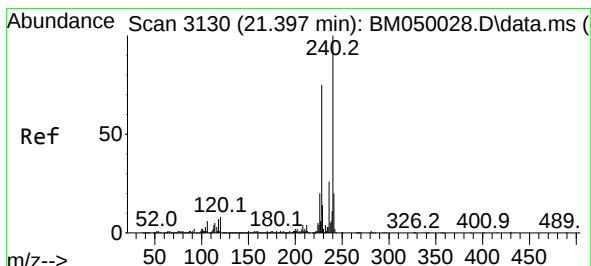
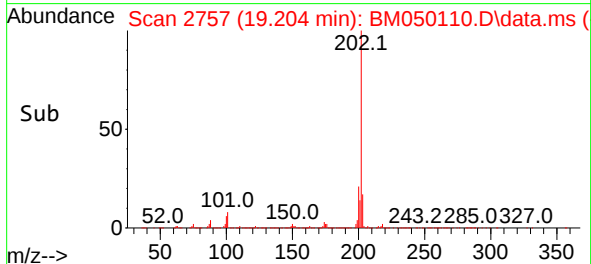
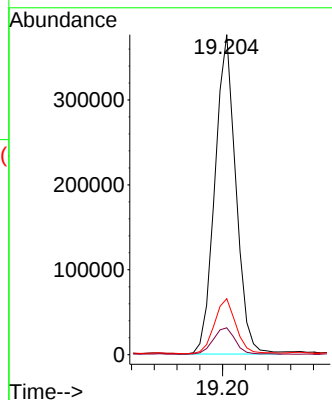
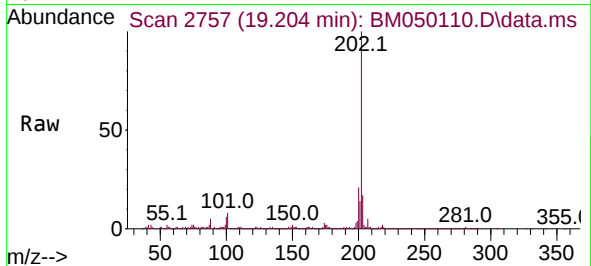




#75
Fluoranthene
Concen: 4.810 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

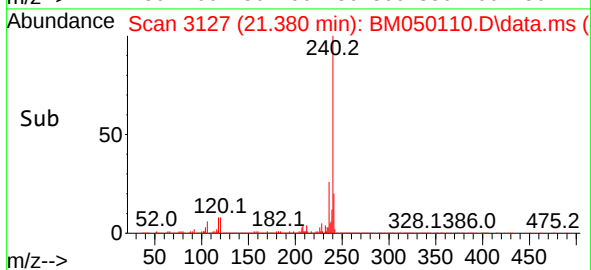
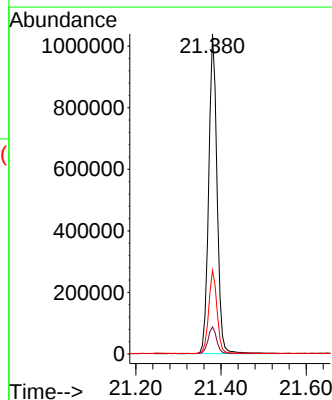
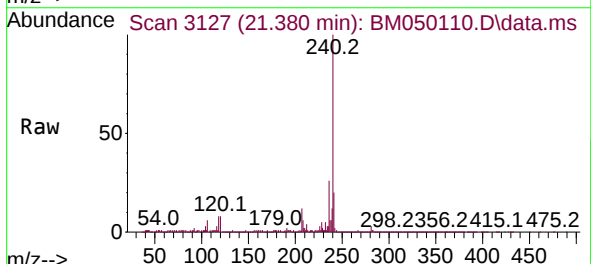
Instrument :
BNA_M
ClientSampleId :
OK-01-050125

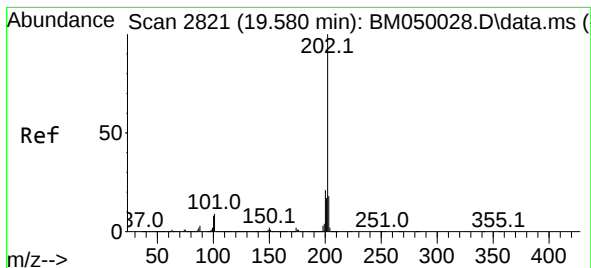
Tgt Ion:202 Resp: 481743
Ion Ratio Lower Upper
202 100
101 8.4 0.0 28.0
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

Tgt Ion:240 Resp: 1412689
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 26.1 20.9 31.3





#78

Pyrene

Concen: 5.406 ng

RT: 19.562 min Scan# 21

Delta R.T. -0.017 min

Lab File: BM050110.D

Acq: 05 May 2025 22:14

Instrument :

BNA_M

ClientSampleId :

OK-01-050125

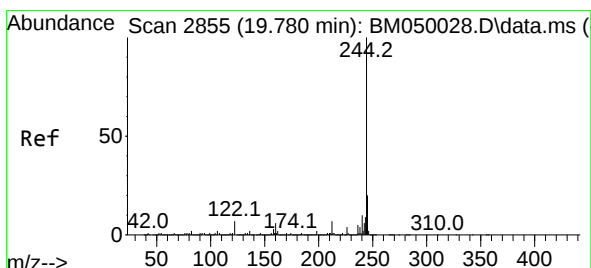
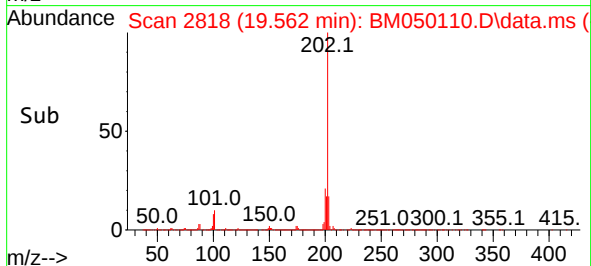
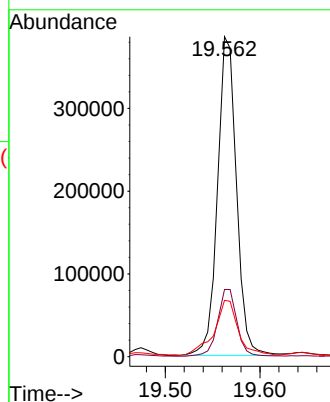
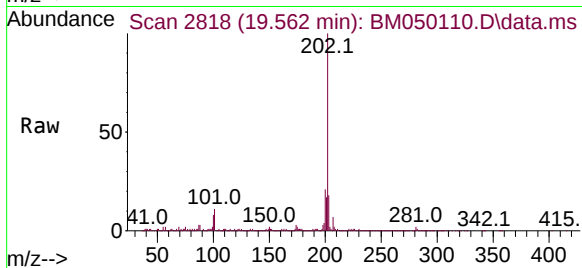
Tgt Ion:202 Resp: 536272

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.6 14.1 21.1



#79

Terphenyl-d14

Concen: 40.972 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050110.D

Acq: 05 May 2025 22:14

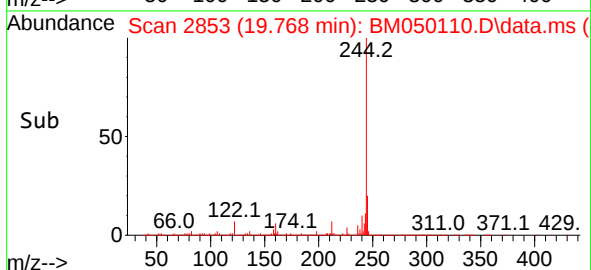
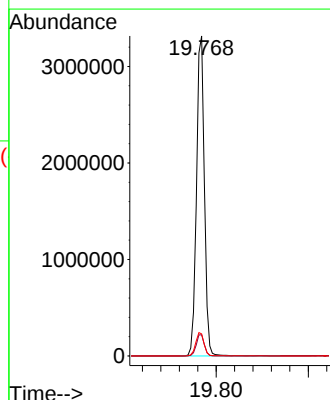
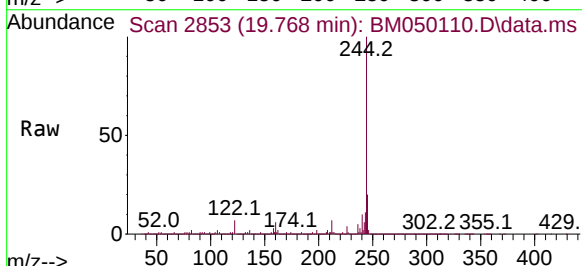
Tgt Ion:244 Resp: 3911570

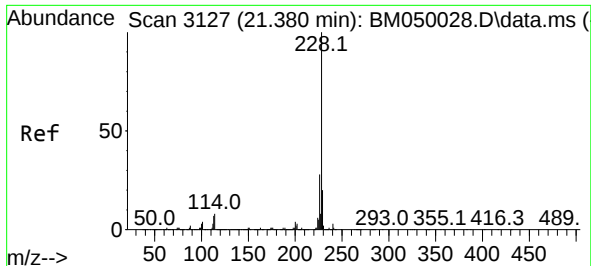
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 6.9 5.6 8.4

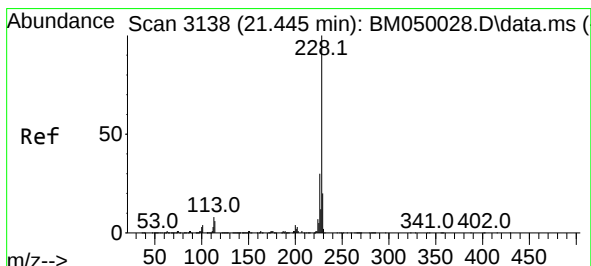
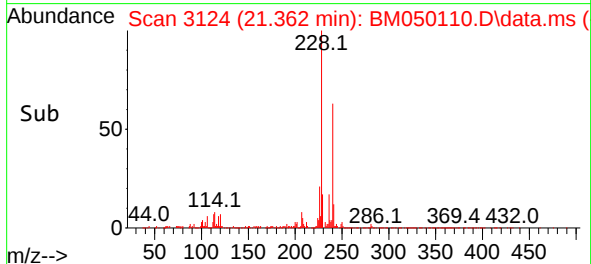
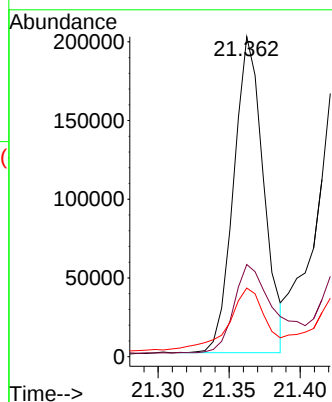
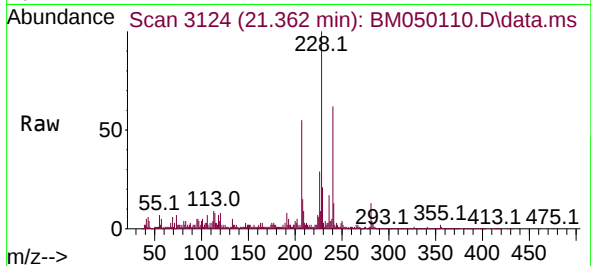




#81
Benzo(a)anthracene
Concen: 3.032 ng
RT: 21.362 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

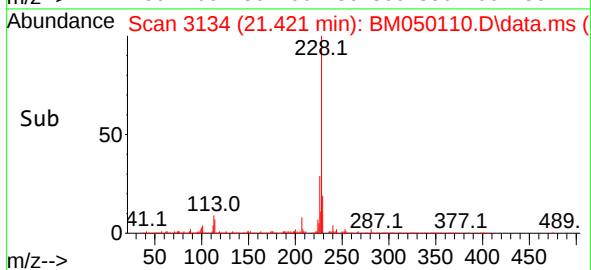
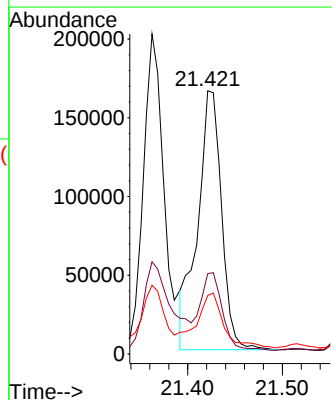
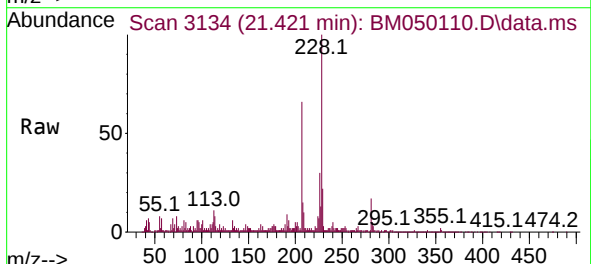
Instrument :
BNA_M
ClientSampleId :
OK-01-050125

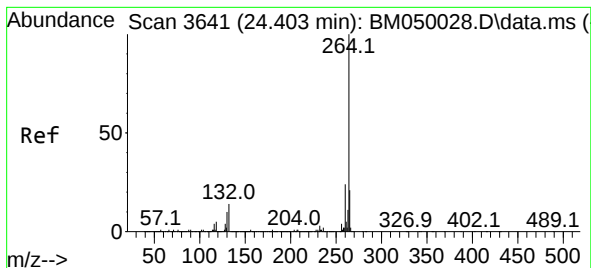
Tgt Ion:228 Resp: 294959
Ion Ratio Lower Upper
228 100
226 28.8 22.1 33.1
229 21.4 15.7 23.5



#83
Chrysene
Concen: 3.221 ng
RT: 21.421 min Scan# 3134
Delta R.T. -0.023 min
Lab File: BM050110.D
Acq: 05 May 2025 22:14

Tgt Ion:228 Resp: 289973
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 22.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050110.D

Acq: 05 May 2025 22:14

Instrument :

BNA_M

ClientSampleId :

OK-01-050125

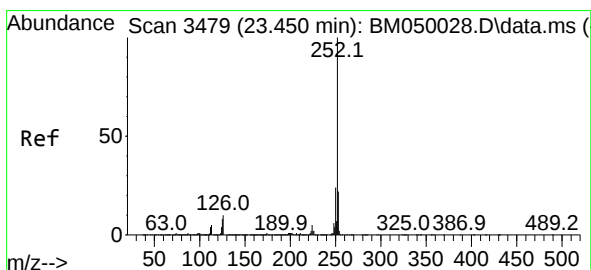
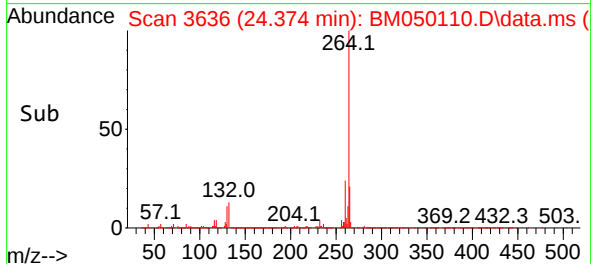
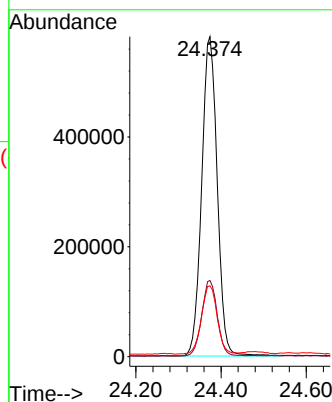
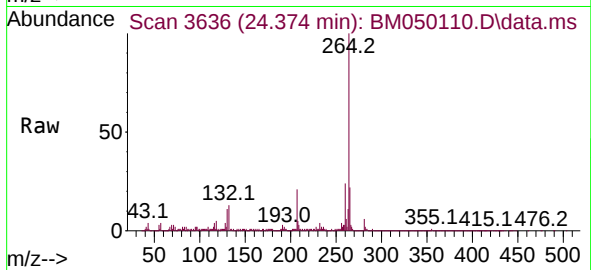
Tgt Ion:264 Resp: 1470561

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.2 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 3.882 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.017 min

Lab File: BM050110.D

Acq: 05 May 2025 22:14

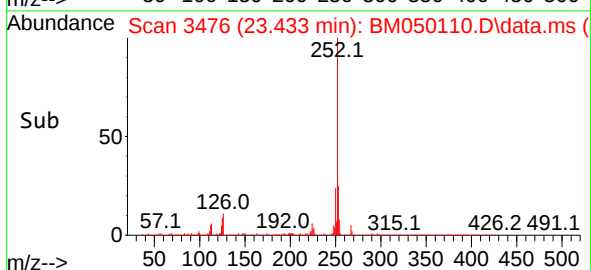
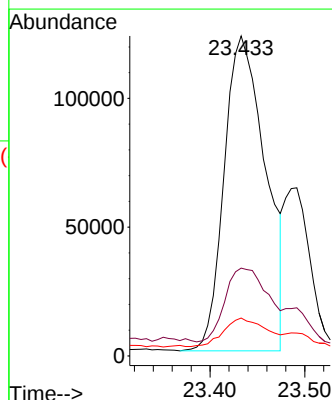
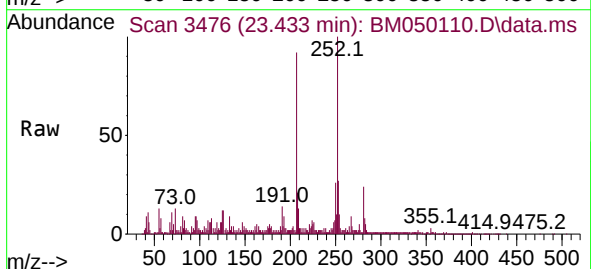
Tgt Ion:252 Resp: 371229

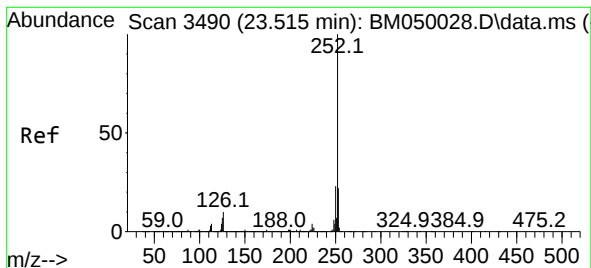
Ion Ratio Lower Upper

252 100

253 27.5 17.7 26.5#

125 11.9 6.1 9.1#





#89

Benzo(k)fluoranthene

Concen: 3.837 ng

RT: 23.433 min Scan# 34

Delta R.T. -0.082 min

Lab File: BM050110.D

Acq: 05 May 2025 22:14

Instrument :

BNA_M

ClientSampleId :

OK-01-050125

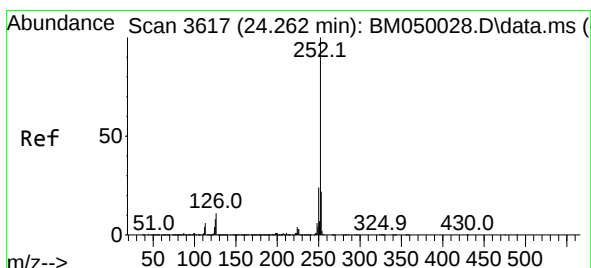
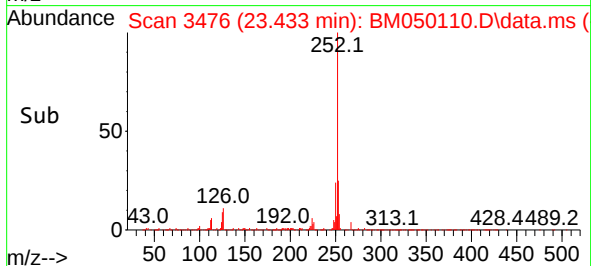
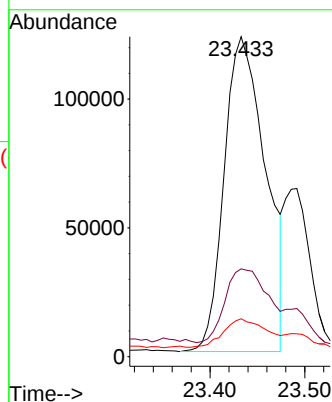
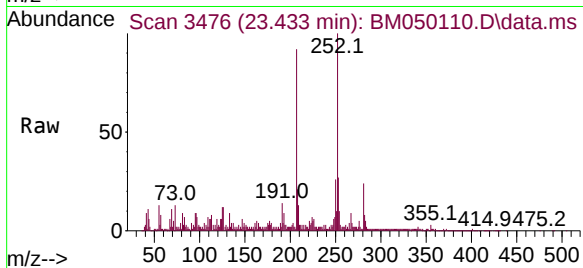
Tgt Ion:252 Resp: 371229

Ion Ratio Lower Upper

252 100

253 27.5 17.4 26.2#

125 11.9 5.8 8.8#



#90

Benzo(a)pyrene

Concen: 3.184 ng

RT: 24.233 min Scan# 3612

Delta R.T. -0.029 min

Lab File: BM050110.D

Acq: 05 May 2025 22:14

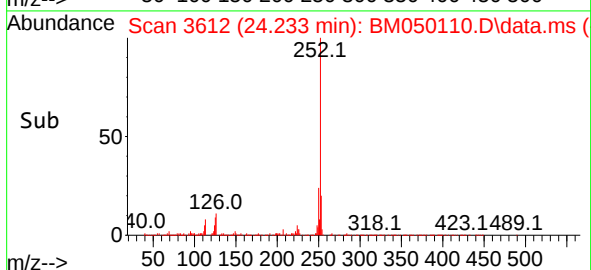
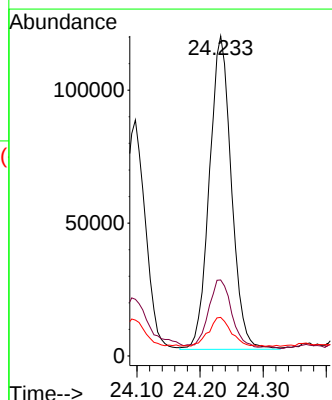
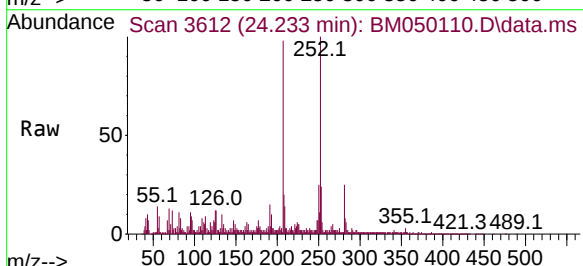
Tgt Ion:252 Resp: 285201

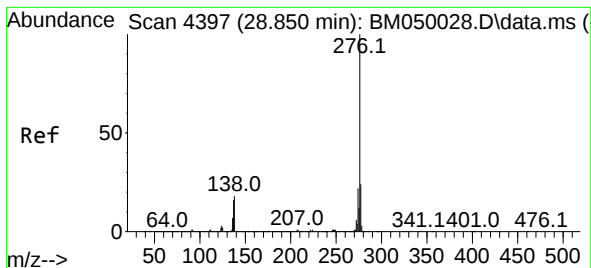
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 12.0 6.6 9.8#





#92

Benzo(g,h,i)perylene

Concen: 2.313 ng

RT: 28.809 min Scan# 41

Delta R.T. -0.041 min

Lab File: BM050110.D

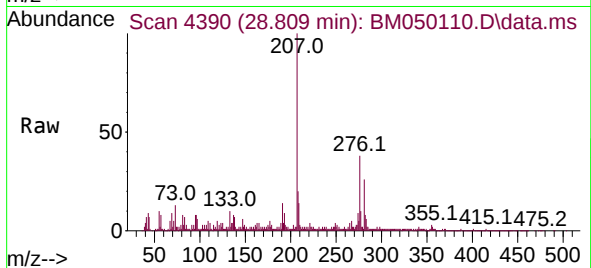
Acq: 05 May 2025 22:14

Instrument :

BNA_M

ClientSampleId :

OK-01-050125



Tgt Ion:276 Resp: 197782

Ion Ratio Lower Upper

276 100

277 25.9 19.1 28.7

138 19.5 14.3 21.5

