

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039090.D
 Acq On : 22 Mar 2023 13:33
 Operator : CG/JU
 Sample : 02001-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IRV-3

Quant Time: Mar 23 04:21:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

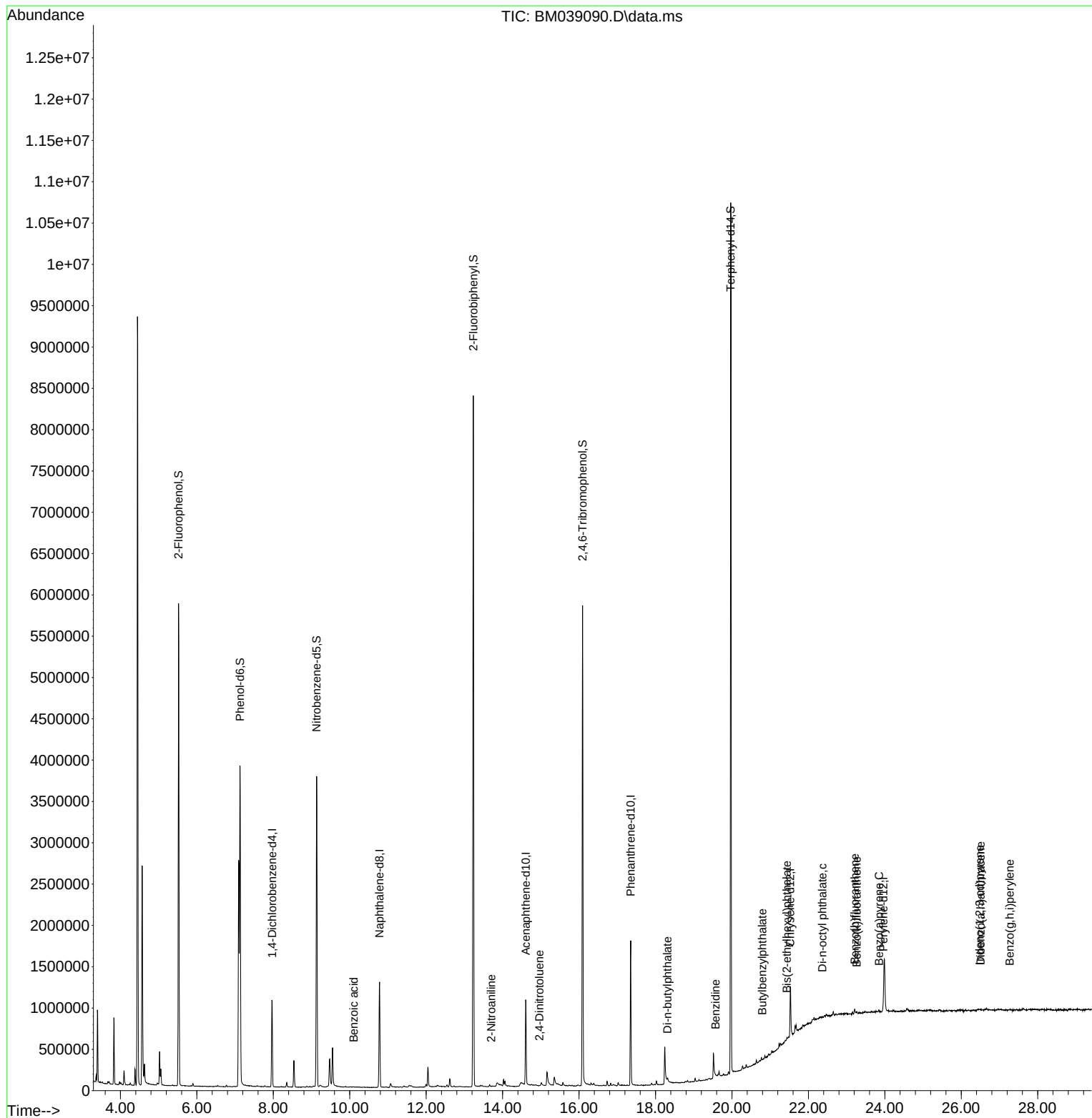
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	281614	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1046271	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	301566	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	930217	20.000	ng	0.00
76) Chrysene-d12	21.527	240	120842	20.000	ng	# 0.00
86) Perylene-d12	23.962	264	3734	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2493171	134.505	ng	0.00
7) Phenol-d6	7.128	99	1980479	82.258	ng	0.00
23) Nitrobenzene-d5	9.133	82	2112732	99.190	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	1003377	287.613	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	4177740	180.344	ng	0.00
79) Terphenyl-d14	19.968	244	4120807	623.476	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.104	122	225	5.749	ng	# 1
48) 2-Nitroaniline	13.704	65	73	2.227	ng	# 6
57) 2,4-Dinitrotoluene	14.963	165	375	2.124	ng	# 22
74) Di-n-butylphthalate	18.315	149	26805	2.224	ng	99
77) Benzidine	19.568	184	53	4.894	ng	# 1
80) Butylbenzylphthalate	20.797	149	119	3.345	ng	89
84) Bis(2-ethylhexyl)phtha...	21.439	149	11346	4.413	ng	# 99
85) Di-n-octyl phthalate	22.368	149	1888	3.984	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.485	276	7410	26.080	ng	# 78
88) Benzo(b)fluoranthene	23.215	252	22514	94.377	ng	# 78
89) Benzo(k)fluoranthene	23.268	252	14923	60.110	ng	# 68
90) Benzo(a)pyrene	23.850	252	2223	9.683	ng	# 1
91) Dibenzo(a,h)anthracene	26.509	278	4648	19.316	ng	# 39
92) Benzo(g,h,i)perylene	27.268	276	6181	26.256	ng	# 81

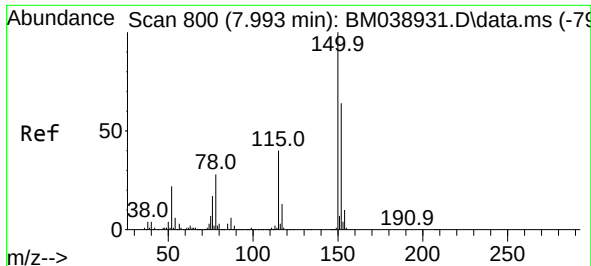
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
Data File : BM039090.D
Acq On : 22 Mar 2023 13:33
Operator : CG/JU
Sample : 02001-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
IRV-3

Quant Time: Mar 23 04:21:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 22 03:36:20 2023
Response via : Initial Calibration

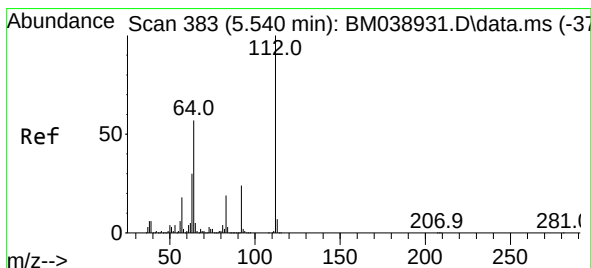
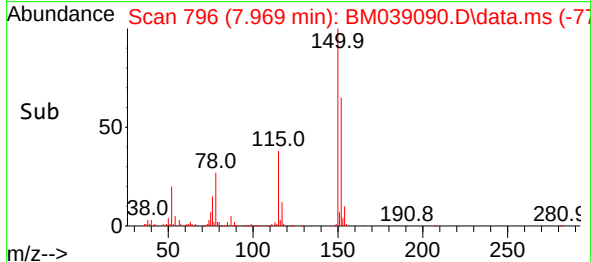
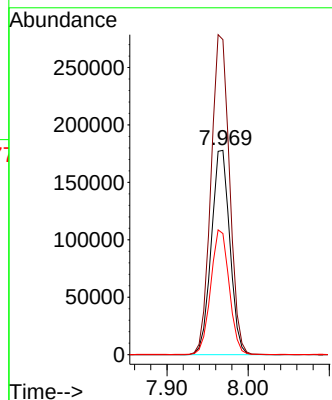
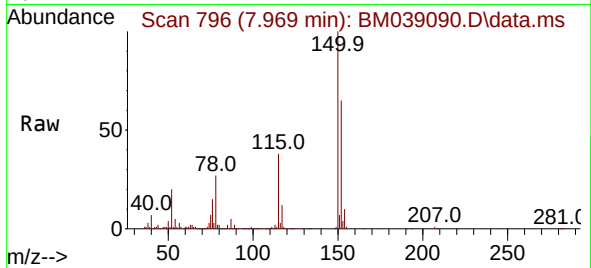




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

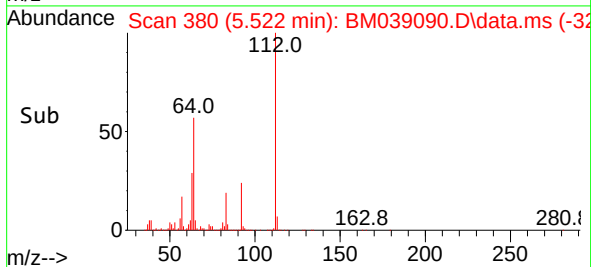
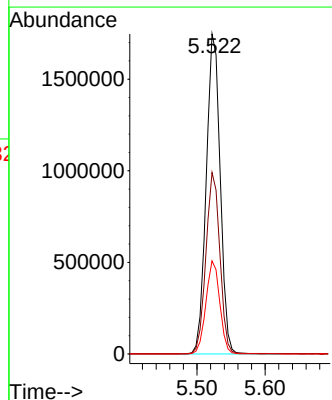
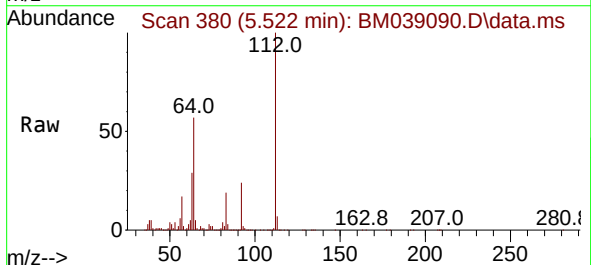
Instrument :
BNA_M
ClientSampleId :
IRV-3

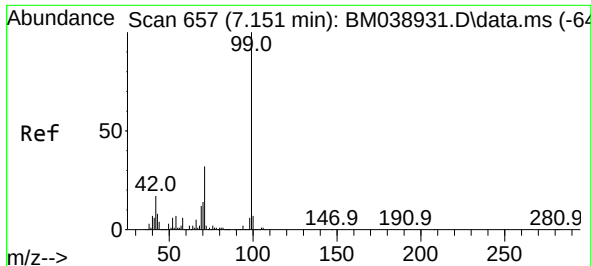
Tgt Ion:152 Resp: 281614
Ion Ratio Lower Upper
152 100
150 154.1 125.1 187.7
115 59.3 49.6 74.4



#5
2-Fluorophenol
Concen: 134.505 ng
RT: 5.522 min Scan# 380
Delta R.T. -0.000 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

Tgt Ion:112 Resp: 2493171
Ion Ratio Lower Upper
112 100
64 56.7 45.9 68.9
63 29.1 23.8 35.8



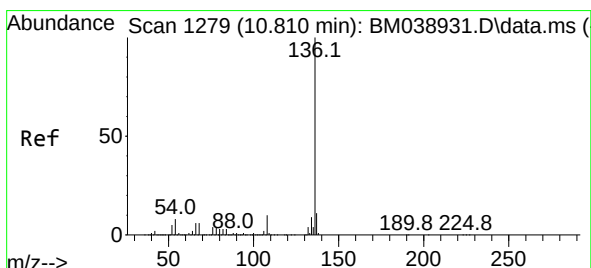
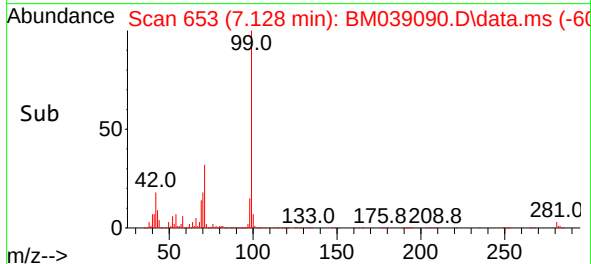
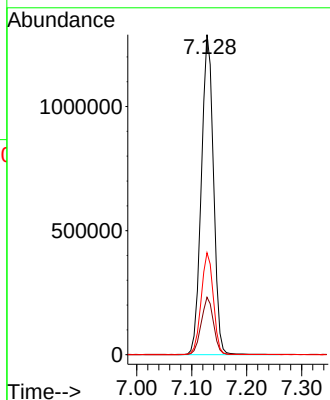
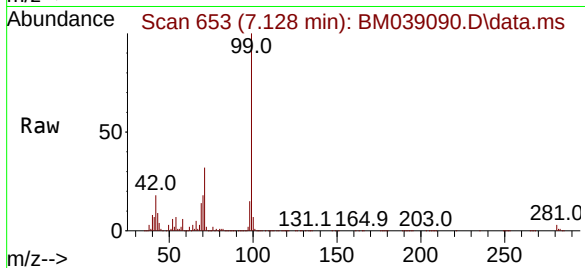


#7
Phenol-d6
Concen: 82.258 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

Instrument :
BNA_M
ClientSampleId :
IRV-3

Tgt Ion: 99 Resp: 1980479

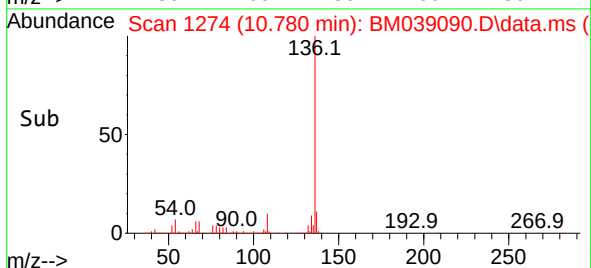
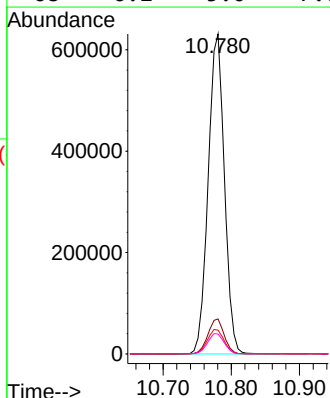
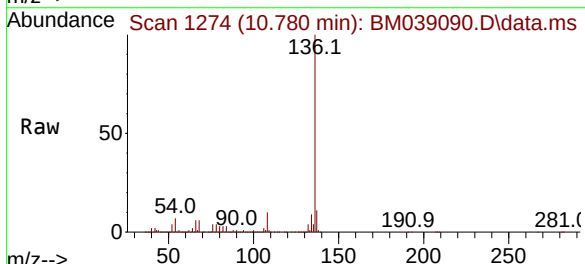
Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.5	20.3
71	31.9	25.6	38.4

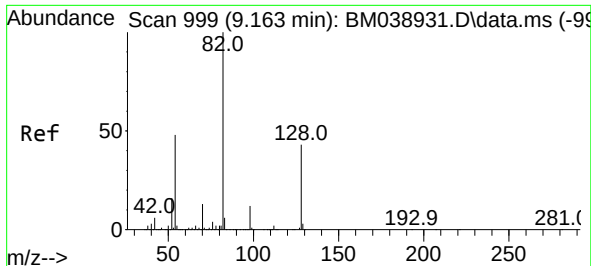


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

Tgt Ion: 136 Resp: 1046271

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.4	6.3	9.5
68	6.2	5.0	7.6

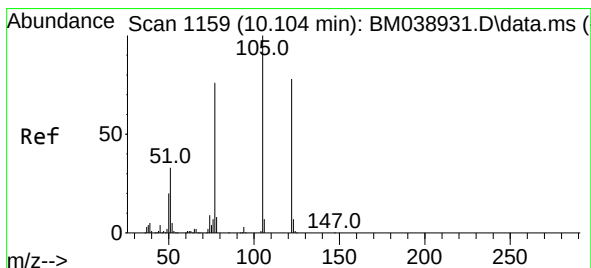
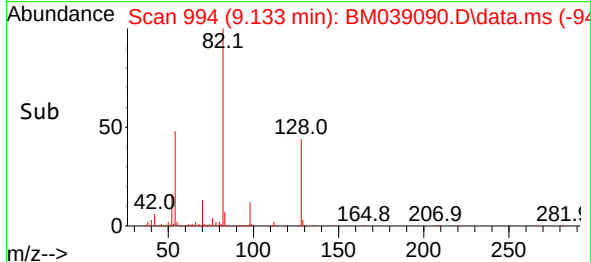
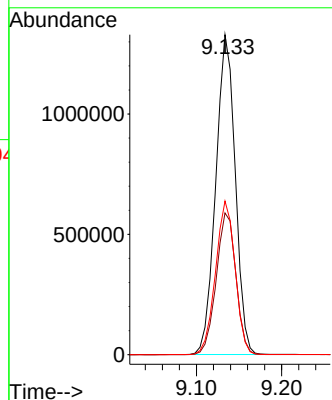
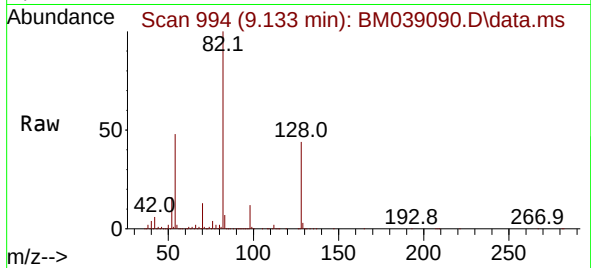




#23
Nitrobenzene-d5
Concen: 99.190 ng
RT: 9.133 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

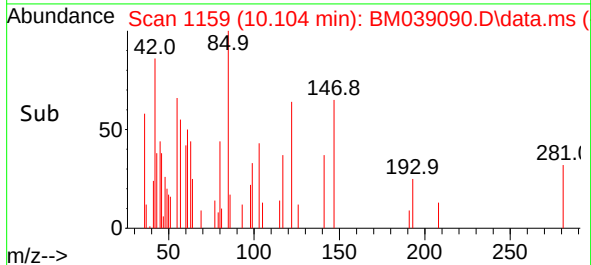
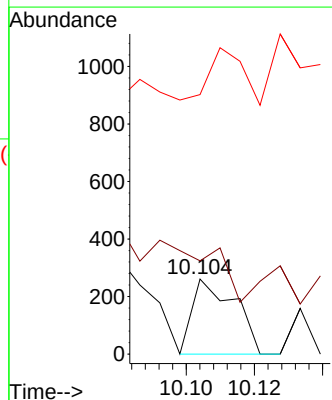
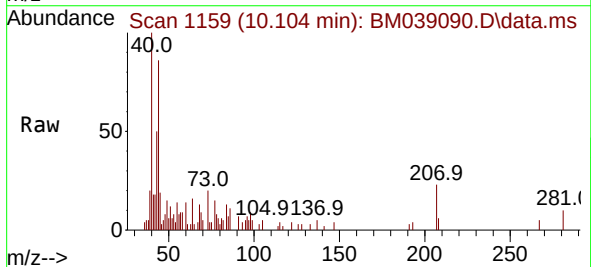
Instrument :
BNA_M
ClientSampleId :
IRV-3

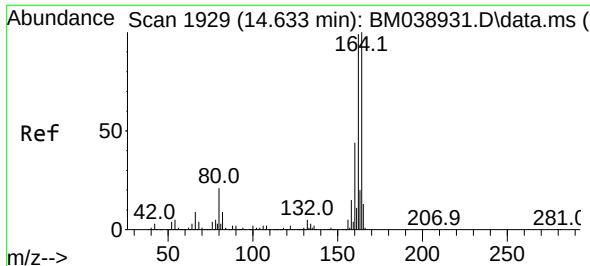
Tgt Ion: 82 Resp: 2112732
Ion Ratio Lower Upper
82 100
128 44.3 34.4 51.6
54 48.0 38.8 58.2



#32
Benzoic acid
Concen: 5.749 ng
RT: 10.104 min Scan# 1159
Delta R.T. 0.018 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

Tgt Ion:122 Resp: 225
Ion Ratio Lower Upper
122 100
105 124.1 104.2 144.2
77 345.6 75.1 115.1#

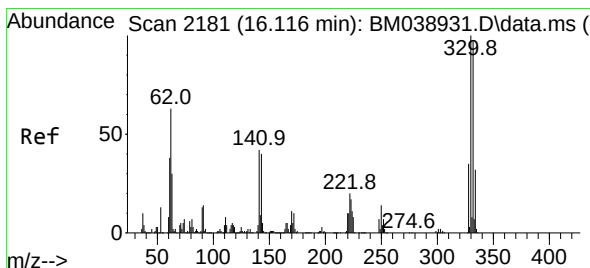
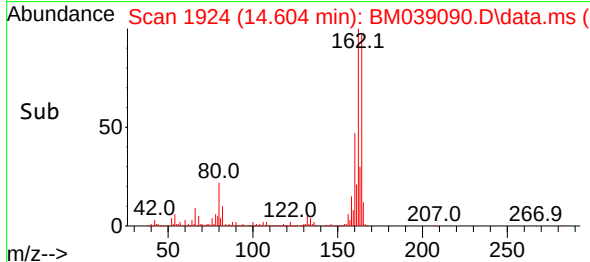
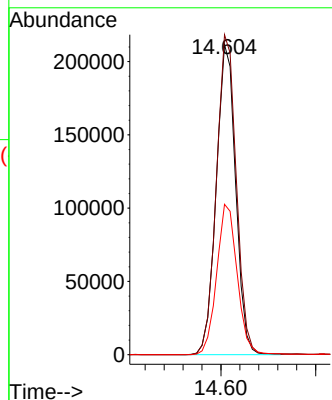
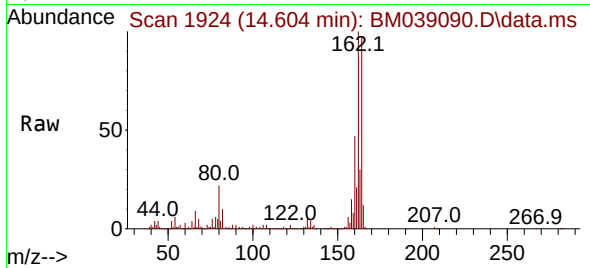




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

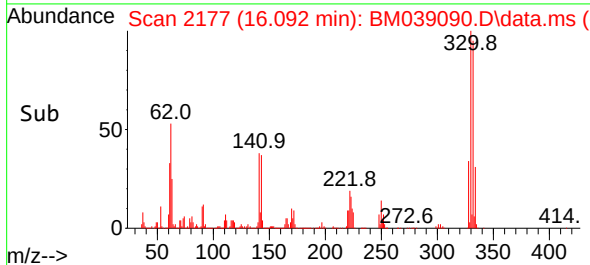
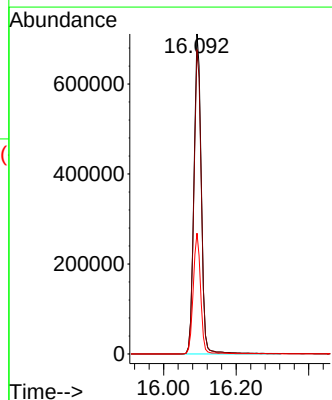
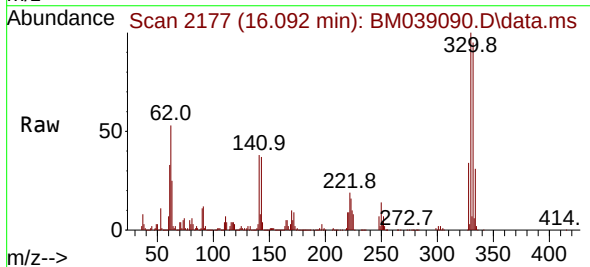
Instrument :
BNA_M
ClientSampleId :
IRV-3

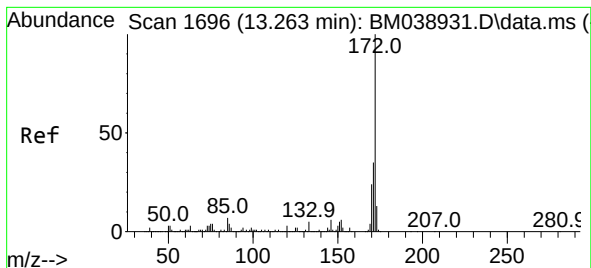
Tgt Ion:164 Resp: 301566
Ion Ratio Lower Upper
164 100
162 103.1 79.2 118.8
160 48.5 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 287.613 ng
RT: 16.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

Tgt Ion:330 Resp: 1003377
Ion Ratio Lower Upper
330 100
332 95.4 77.4 116.0
141 37.8 32.2 48.4





#45

2-Fluorobiphenyl

Concen: 180.344 ng

RT: 13.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM039090.D

Acq: 22 Mar 2023 13:33

Instrument :

BNA_M

ClientSampleId :

IRV-3

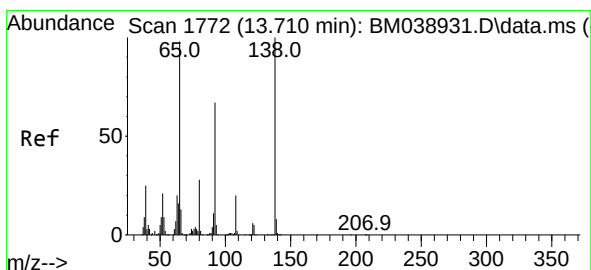
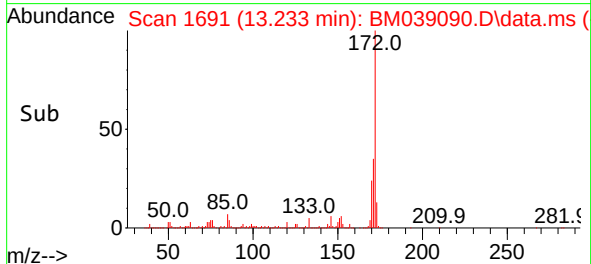
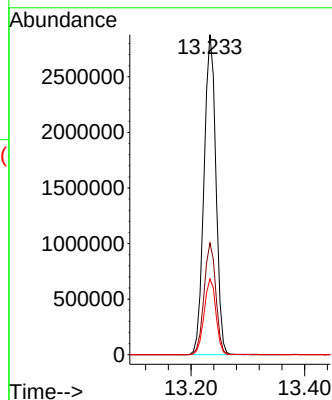
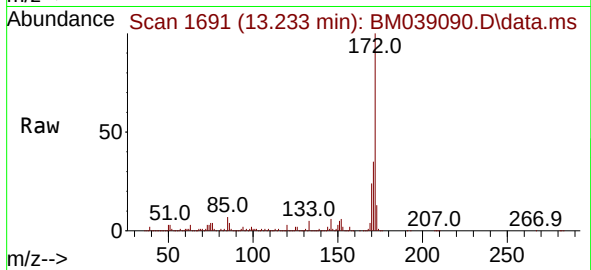
Tgt Ion:172 Resp: 4177740

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 23.6 19.1 28.7



#48

2-Nitroaniline

Concen: 2.227 ng

RT: 13.704 min Scan# 1771

Delta R.T. 0.012 min

Lab File: BM039090.D

Acq: 22 Mar 2023 13:33

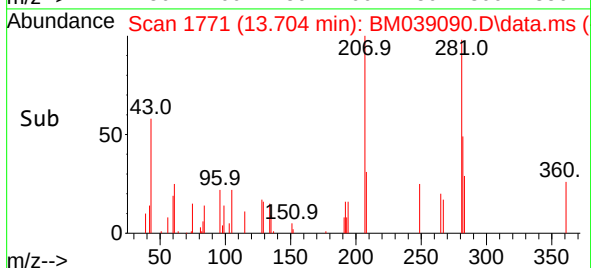
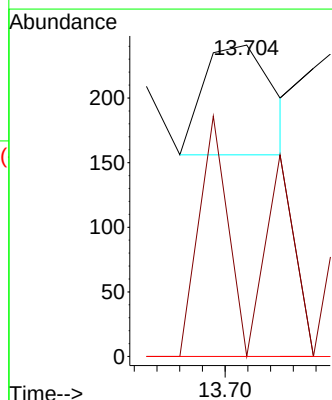
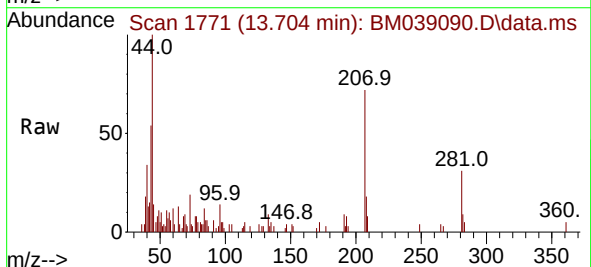
Tgt Ion: 65 Resp: 73

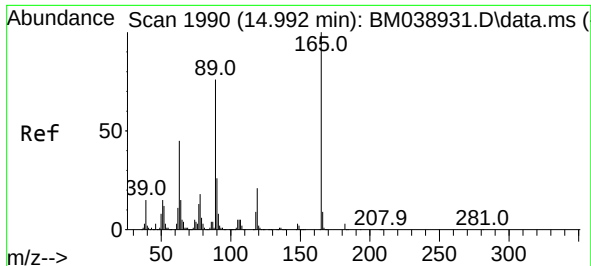
Ion Ratio Lower Upper

65 100

92 0.0 54.9 82.3#

138 0.0 81.6 122.4#

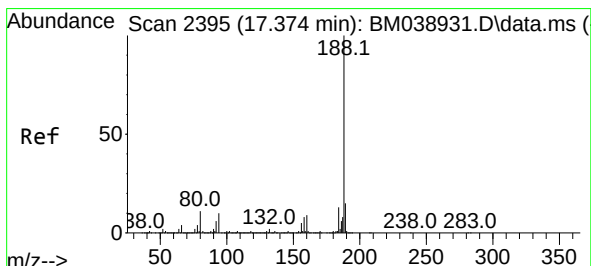
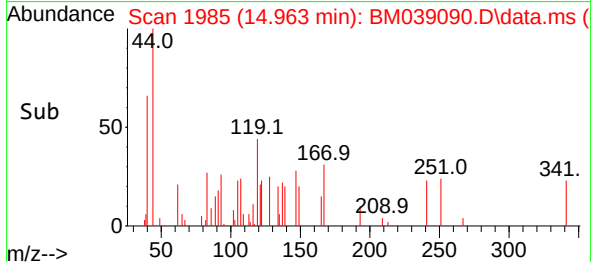
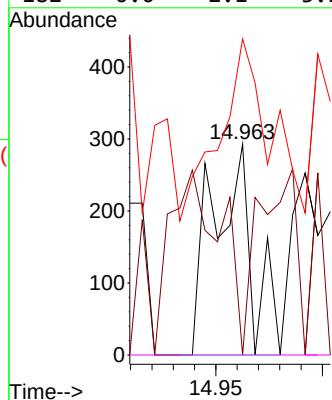
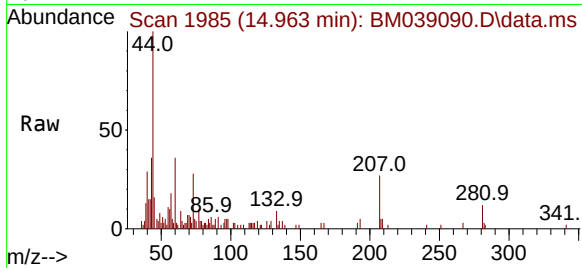




#57
2,4-Dinitrotoluene
Concen: 2.124 ng
RT: 14.963 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

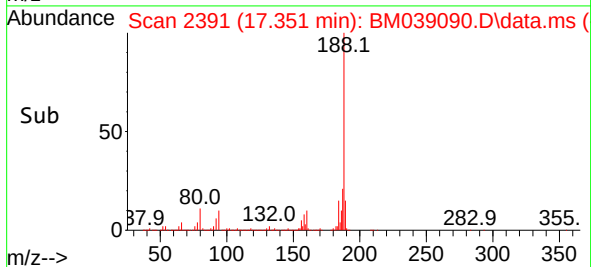
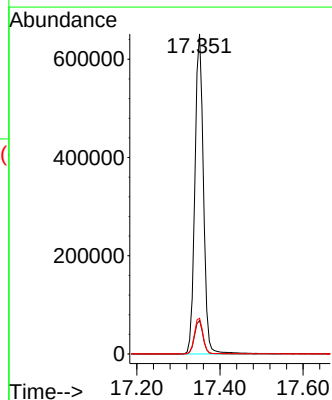
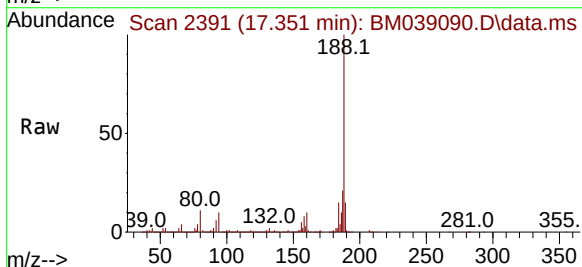
Instrument :
BNA_M
ClientSampleId :
IRV-3

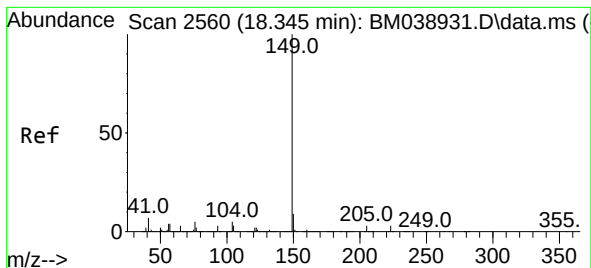
Tgt Ion:165 Resp: 375
Ion Ratio Lower Upper
165 100
63 0.0 35.9 53.9#
89 149.8 61.0 91.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. -0.000 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

Tgt Ion:188 Resp: 930217
Ion Ratio Lower Upper
188 100
94 10.4 7.9 11.9
80 11.1 8.5 12.7





#74

Di-n-butylphthalate

Concen: 2.224 ng

RT: 18.315 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039090.D

Acq: 22 Mar 2023 13:33

Instrument :

BNA_M

ClientSampleId :

IRV-3

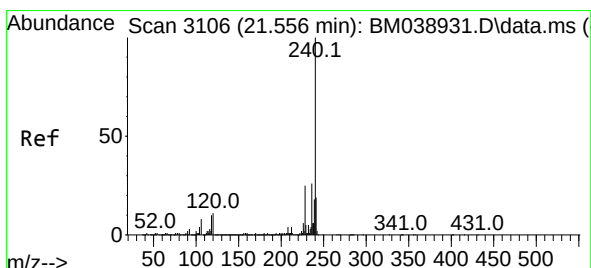
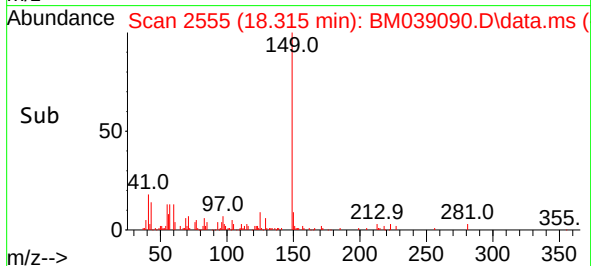
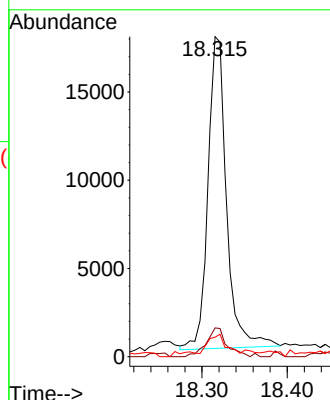
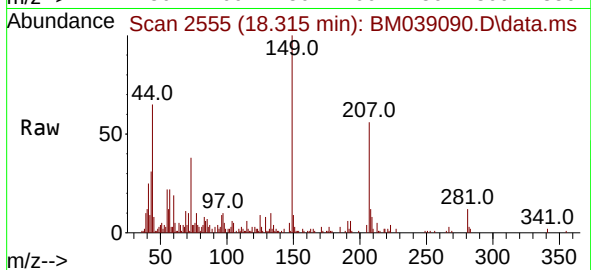
Tgt Ion:149 Resp: 26805

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

104 6.1 4.3 6.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3101

Delta R.T. -0.006 min

Lab File: BM039090.D

Acq: 22 Mar 2023 13:33

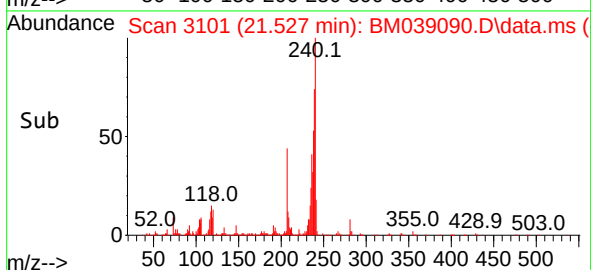
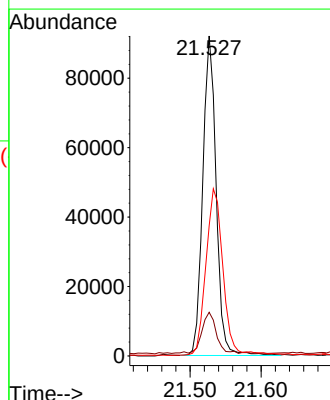
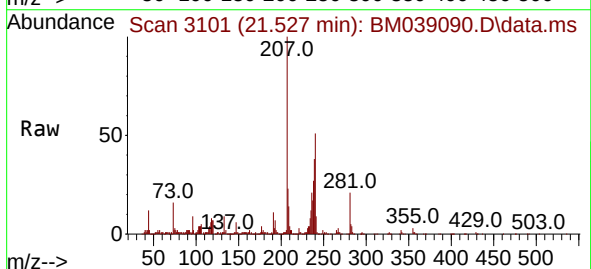
Tgt Ion:240 Resp: 120842

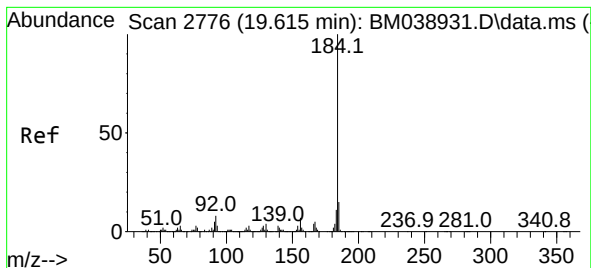
Ion Ratio Lower Upper

240 100

120 13.6 9.2 13.8

236 40.6 20.8 31.2#





#77

Benzidine

Concen: 4.894 ng

RT: 19.568 min Scan# 21

Delta R.T. -0.024 min

Lab File: BM039090.D

Acq: 22 Mar 2023 13:33

Instrument :

BNA_M

ClientSampleId :

IRV-3

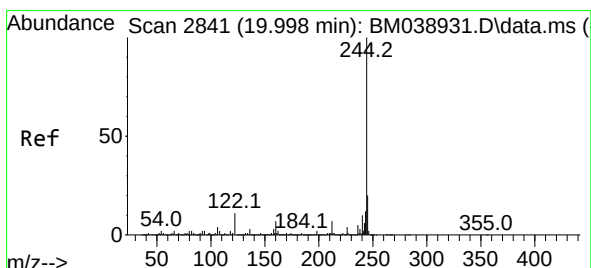
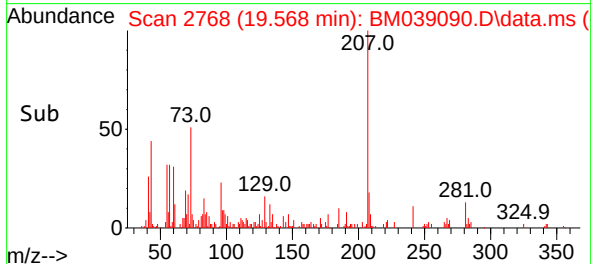
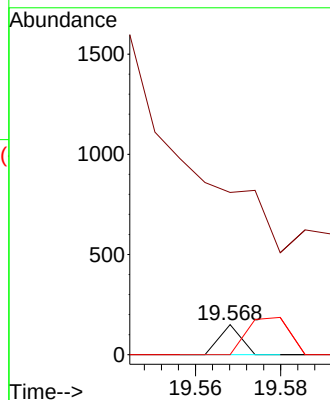
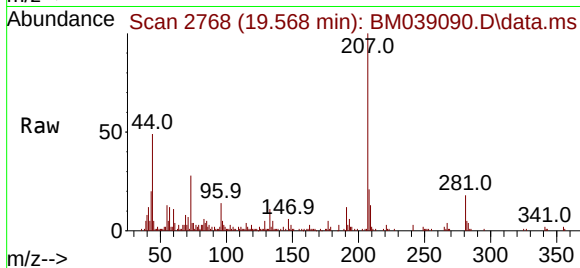
Tgt Ion:184 Resp: 53

Ion Ratio Lower Upper

184 100

185 540.0 12.2 18.4#

183 0.0 8.8 13.2#



#79

Terphenyl-d14

Concen: 623.476 ng

RT: 19.968 min Scan# 2836

Delta R.T. -0.000 min

Lab File: BM039090.D

Acq: 22 Mar 2023 13:33

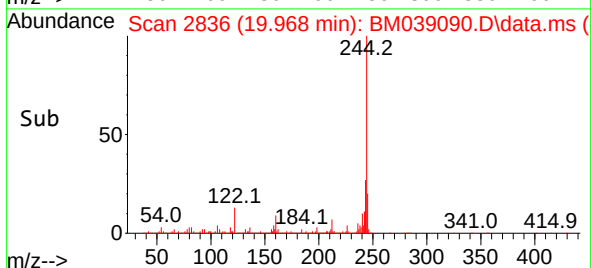
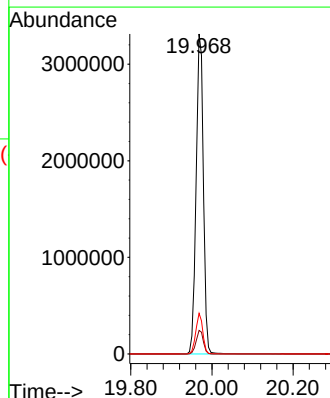
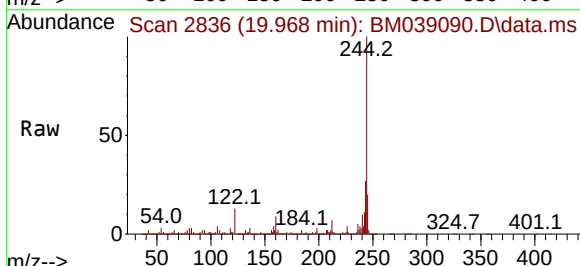
Tgt Ion:244 Resp: 4120807

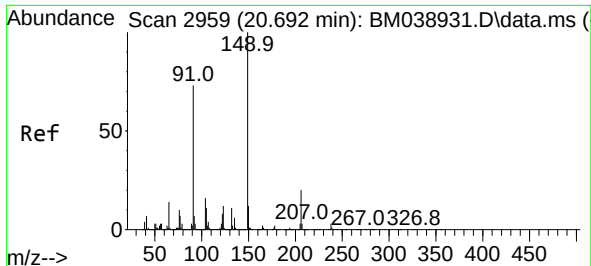
Ion Ratio Lower Upper

244 100

212 7.4 5.5 8.3

122 12.7 9.0 13.4

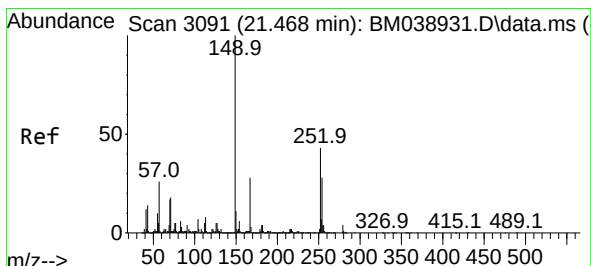
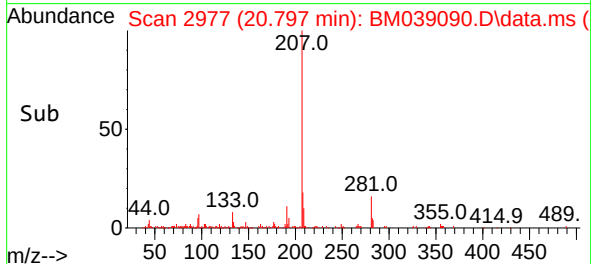
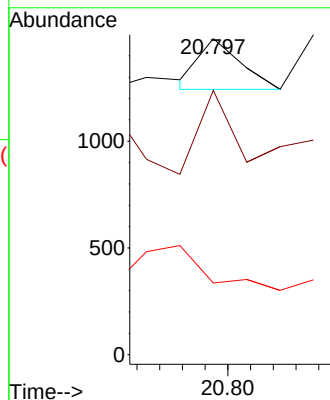
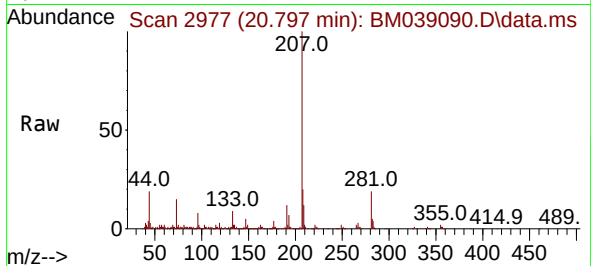




#80
 Butylbenzylphthalate
 Concen: 3.345 ng
 RT: 20.797 min Scan# 2959
 Delta R.T. 0.135 min
 Lab File: BM039090.D
 Acq: 22 Mar 2023 13:33

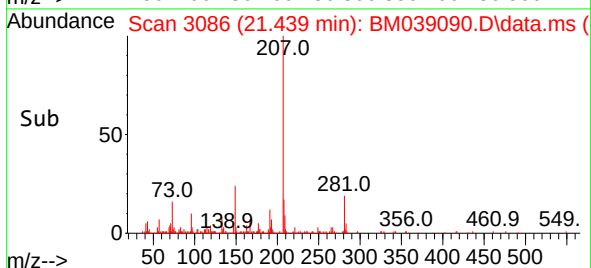
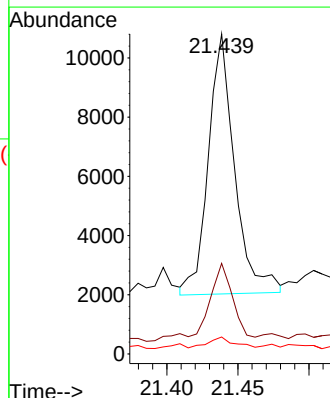
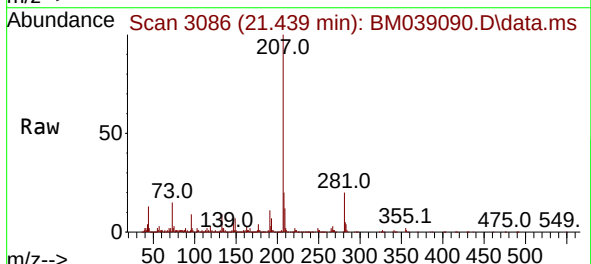
Instrument :
 BNA_M
 ClientSampleId :
 IRV-3

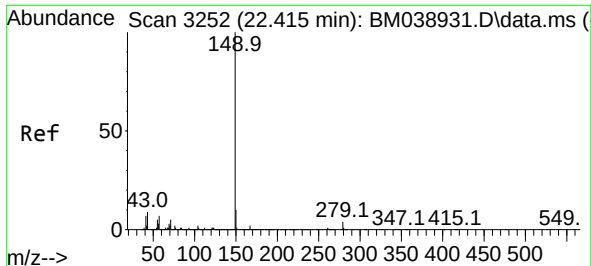
Tgt Ion:	149	Resp:	119
Ion	Ratio	Lower	Upper
149	100		
91	83.6	58.4	87.6
206	22.7	16.1	24.1



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.413 ng
 RT: 21.439 min Scan# 3086
 Delta R.T. -0.000 min
 Lab File: BM039090.D
 Acq: 22 Mar 2023 13:33

Tgt Ion:	149	Resp:	11346
Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.3	33.5
279	5.3	3.2	4.8

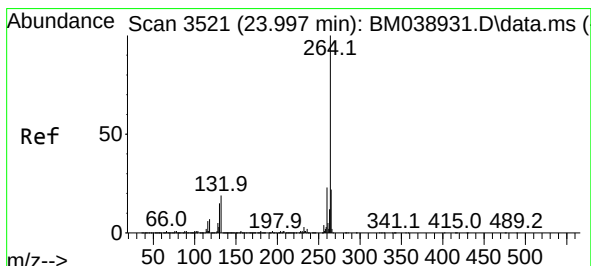
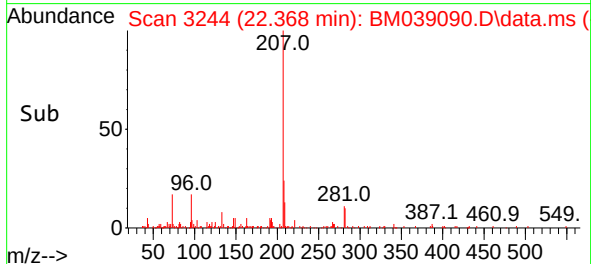
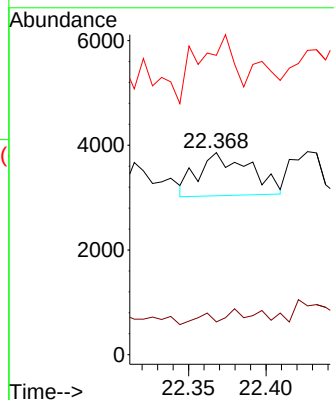
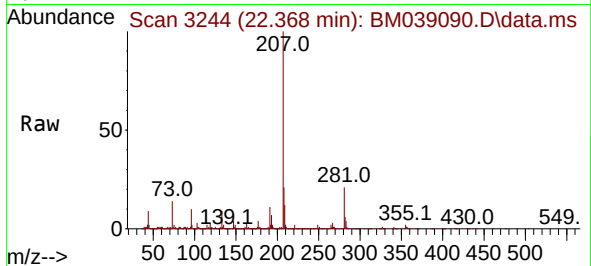




#85
Di-n-octyl phthalate
Concen: 3.984 ng
RT: 22.368 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

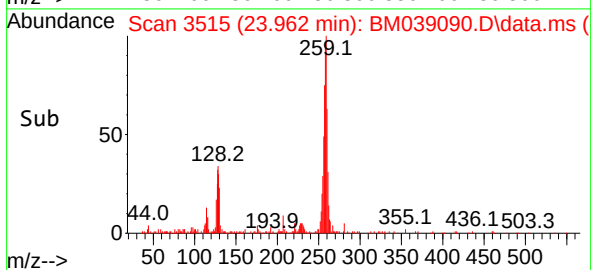
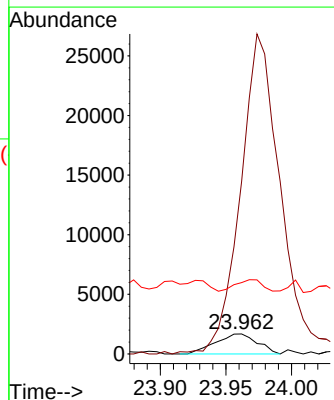
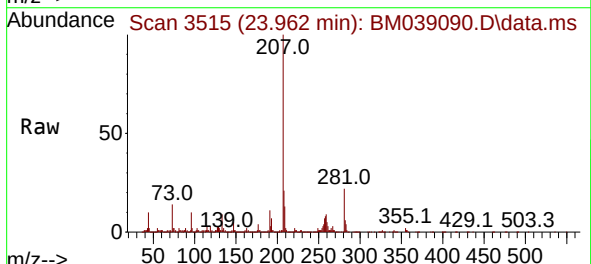
Instrument :
BNA_M
ClientSampleId :
IRV-3

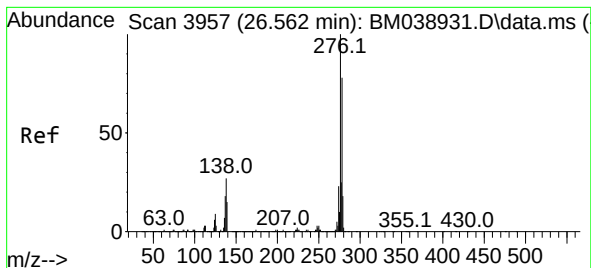
Tgt Ion:149 Resp: 1888
Ion Ratio Lower Upper
149 100
167 12.1 1.2 1.8#
43 114.4 7.4 11.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 3515
Delta R.T. -0.000 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

Tgt Ion:264 Resp: 3734
Ion Ratio Lower Upper
264 100
260 865.3 18.7 28.1#
265 358.0 17.9 26.9#





#87

Indeno(1,2,3-cd)pyrene

Concen: 26.080 ng

RT: 26.485 min Scan# 3944

Delta R.T. -0.012 min

Lab File: BM039090.D

Acq: 22 Mar 2023 13:33

Instrument :

BNA_M

ClientSampleId :

IRV-3

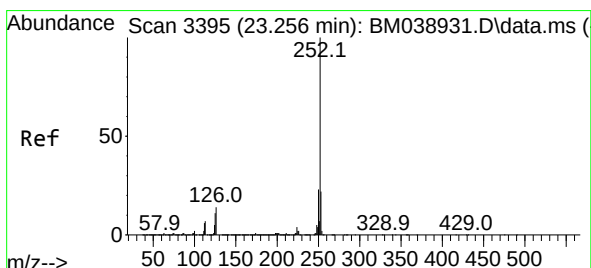
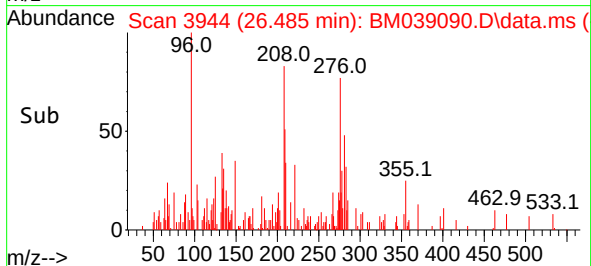
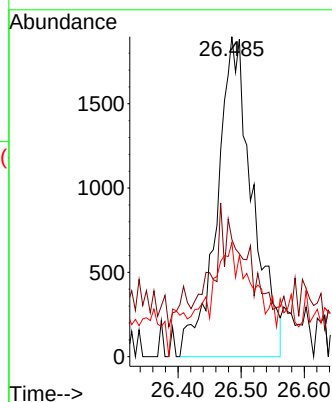
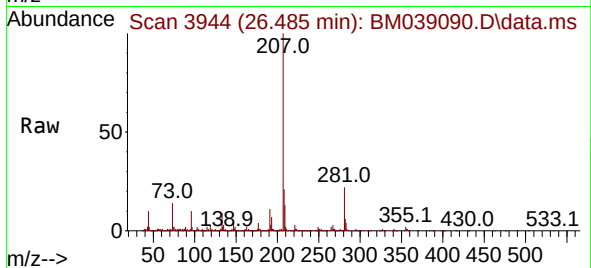
Tgt Ion:276 Resp: 7410

Ion Ratio Lower Upper

276 100

138 8.8 22.1 33.1#

277 28.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 94.377 ng

RT: 23.215 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BM039090.D

Acq: 22 Mar 2023 13:33

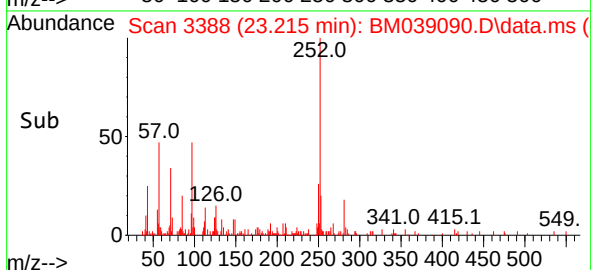
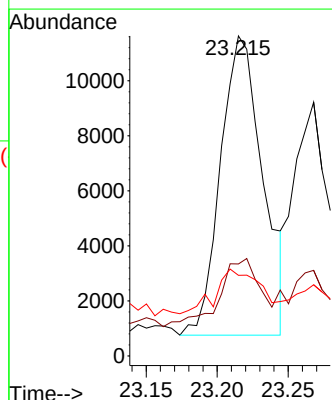
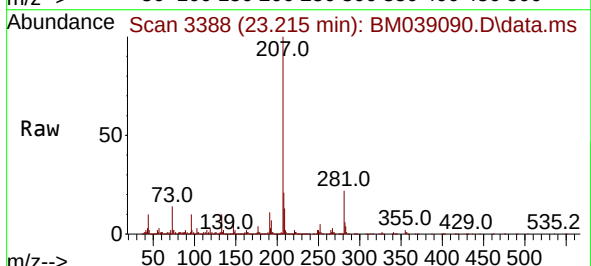
Tgt Ion:252 Resp: 22514

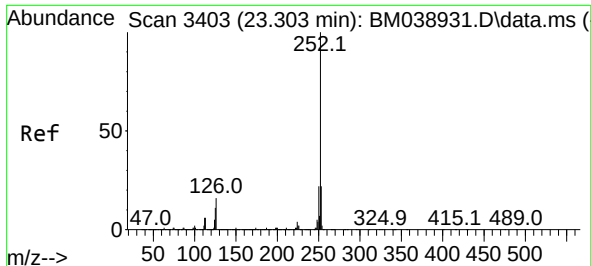
Ion Ratio Lower Upper

252 100

253 28.8 17.6 26.4#

125 25.2 8.8 13.2#

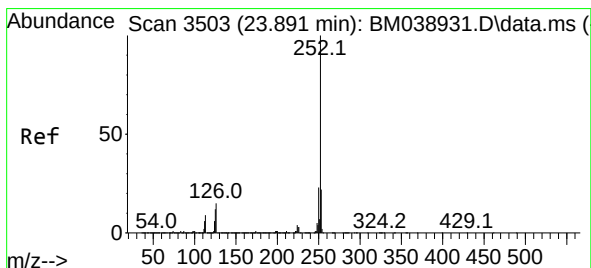
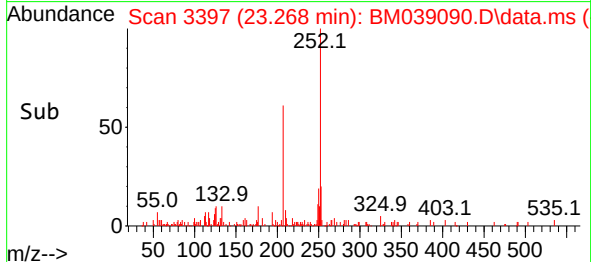
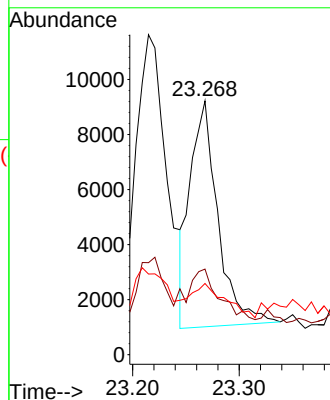
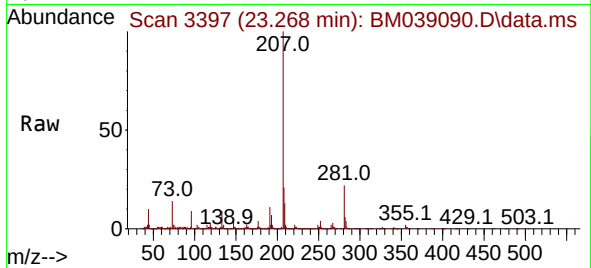




#89
Benzo(k)fluoranthene
Concen: 60.110 ng
RT: 23.268 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

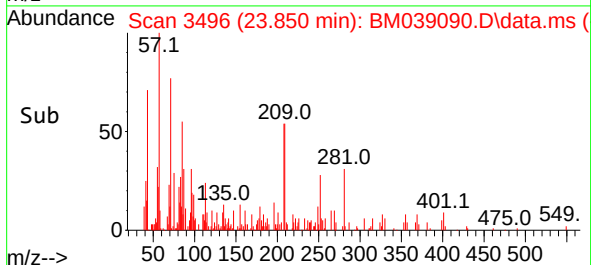
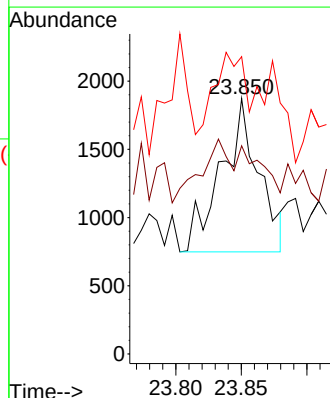
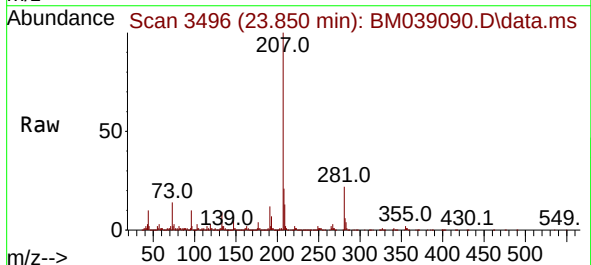
Instrument :
BNA_M
ClientSampleId :
IRV-3

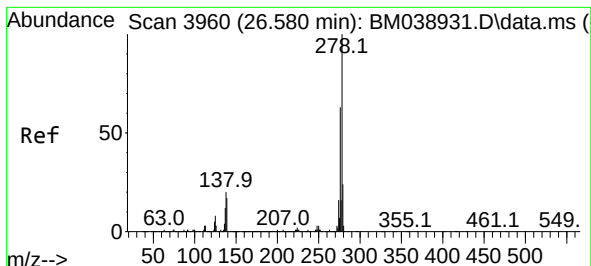
Tgt Ion:252 Resp: 14923
Ion Ratio Lower Upper
252 100
253 33.7 17.5 26.3#
125 28.1 8.9 13.3#



#90
Benzo(a)pyrene
Concen: 9.683 ng
RT: 23.850 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM039090.D
Acq: 22 Mar 2023 13:33

Tgt Ion:252 Resp: 2223
Ion Ratio Lower Upper
252 100
253 81.5 17.6 26.4#
125 116.3 9.8 14.8#





#91

Dibenzo(a,h)anthracene

Concen: 19.316 ng

RT: 26.509 min Scan# 3948

Delta R.T. -0.000 min

Lab File: BM039090.D

Acq: 22 Mar 2023 13:33

Instrument :

BNA_M

ClientSampleId :

IRV-3

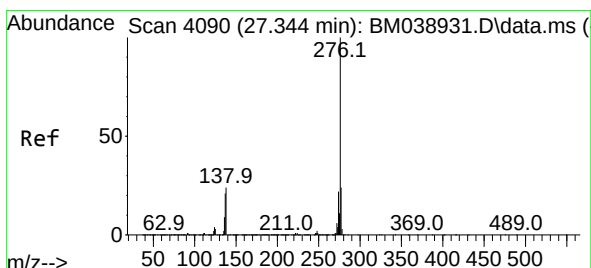
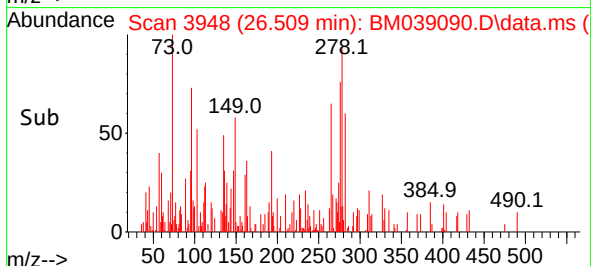
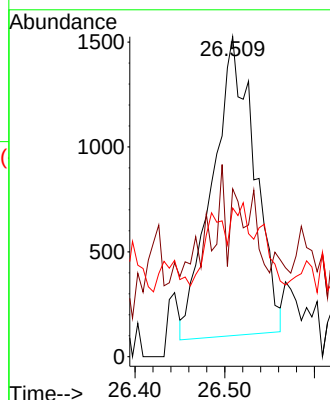
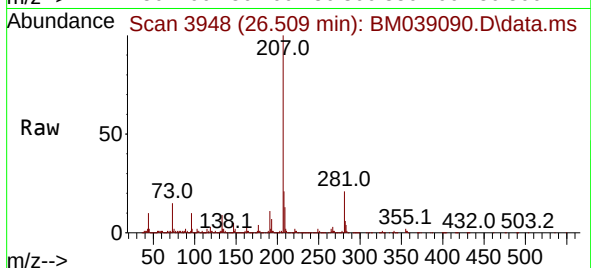
Tgt Ion:278 Resp: 4648

Ion Ratio Lower Upper

278 100

139 52.4 13.7 20.5#

279 46.5 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 26.256 ng

RT: 27.268 min Scan# 4077

Delta R.T. -0.006 min

Lab File: BM039090.D

Acq: 22 Mar 2023 13:33

Tgt Ion:276 Resp: 6181

Ion Ratio Lower Upper

276 100

277 33.9 19.3 28.9#

138 32.8 19.0 28.6#

