

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039108.D
 Acq On : 23 Mar 2023 01:08
 Operator : CG/JU
 Sample : 01932-19 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-6C-031423

Quant Time: Mar 23 04:29:06 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)

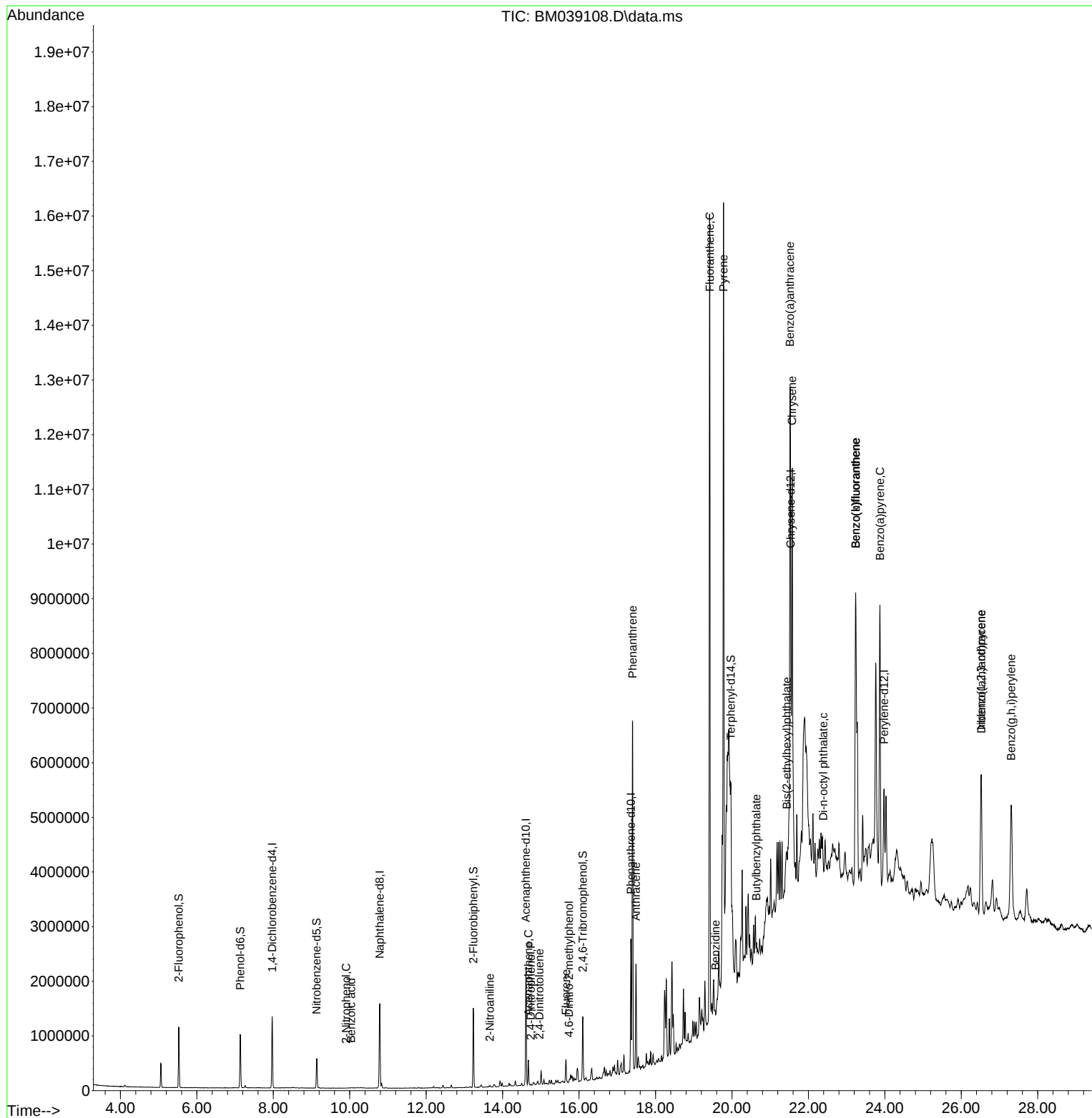
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	346653	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	1309162	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	715581	20.000	ng	0.00
64) Phenanthrene-d10	17.356	188	1444071	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1146976	20.000	ng	0.00
86) Perylene-d12	23.980	264	1340491	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	483957	21.211	ng	0.00
7) Phenol-d6	7.134	99	583390	19.685	ng	0.00
23) Nitrobenzene-d5	9.133	82	317421	11.910	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	172160	20.797	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	721418	13.124	ng	0.00
79) Terphenyl-d14	19.974	244	923719	14.725	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.904	139	54	2.995	ng	# 1
32) Benzoic acid	10.033	122	747	5.775	ng	# 22
48) 2-Nitroaniline	13.668	65	113	2.223	ng	# 62
52) Acenaphthene	14.674	154	153963	3.441	ng	99
54) 2,4-Dinitrophenol	14.739	184	58	5.199	ng	# 1
57) 2,4-Dinitrotoluene	14.962	165	333	2.091	ng	# 60
58) Fluorene	15.657	166	178912	3.262	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	228	5.110	ng	# 1
71) Phenanthrene	17.404	178	3929278	46.361	ng	100
72) Anthracene	17.492	178	1221431	14.451	ng	99
75) Fluoranthene	19.421	202	9039777	101.018	ng	99
77) Benzidine	19.574	184	638	4.898	ng	# 1
78) Pyrene	19.780	202	8470281	98.323	ng	98
80) Butylbenzylphthalate	20.639	149	4681	3.435	ng	# 21
81) Benzo(a)anthracene	21.521	228	4226952	51.174	ng	97
83) Chrysene	21.574	228	3663104	45.598	ng	97
84) Bis(2-ethylhexyl)phtha...	21.439	149	109459	4.445	ng	# 97
85) Di-n-octyl phthalate	22.391	149	24064	4.049	ng	# 78
87) Indeno(1,2,3-cd)pyrene	26.521	276	2766977	27.127	ng	95
88) Benzo(b)fluoranthene	23.238	252	5270942	61.548	ng	97
89) Benzo(k)fluoranthene	23.238	252	5270942	59.141	ng	97
90) Benzo(a)pyrene	23.874	252	4118574	49.970	ng	98
91) Dibenzo(a,h)anthracene	26.526	278	689756	7.985	ng	# 80
92) Benzo(g,h,i)perylene	27.309	276	2701502	31.965	ng	99

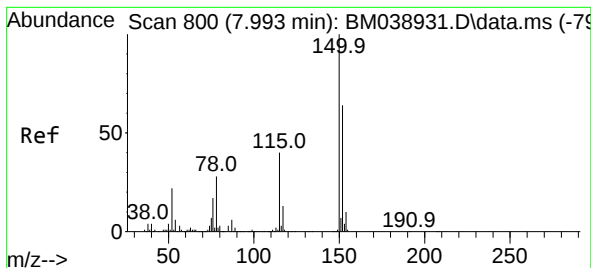
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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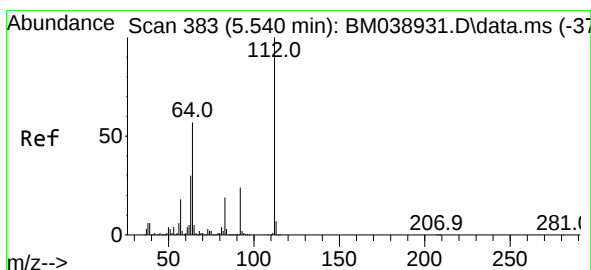
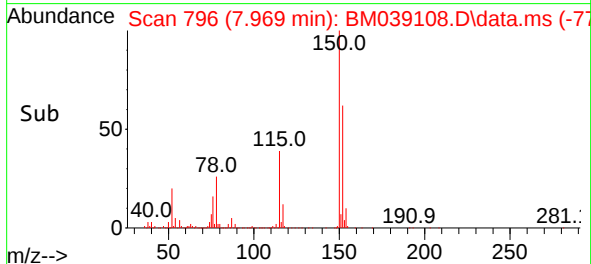
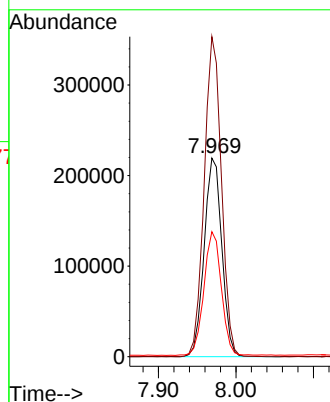
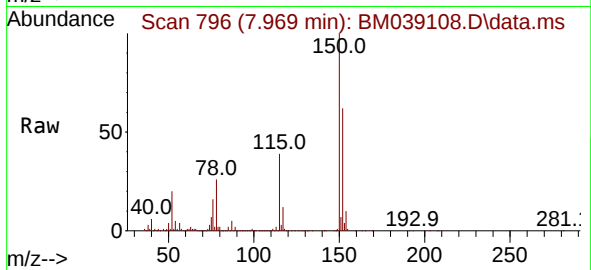




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.969 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: BM039108.D
 Acq: 23 Mar 2023 01:08

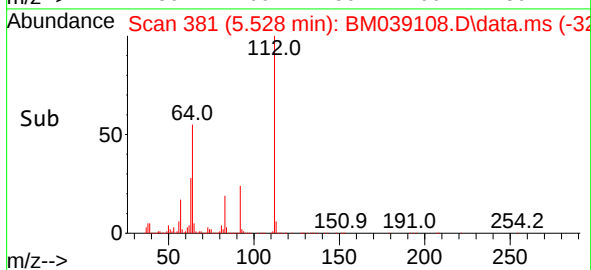
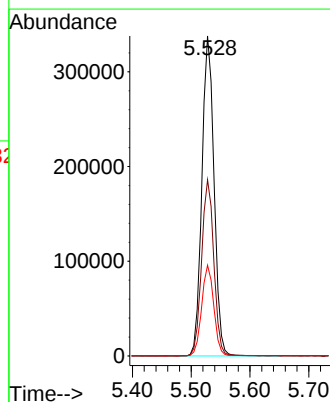
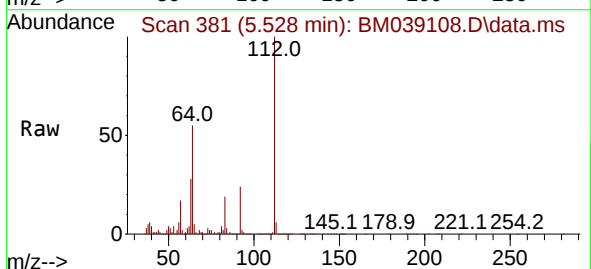
Instrument :
 BNA_M
 ClientSampleId :
 JPP-6C-031423

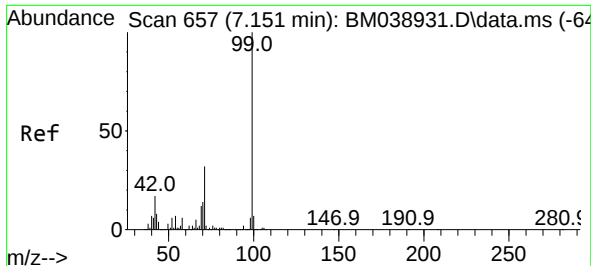
Tgt Ion:152 Resp: 346653
 Ion Ratio Lower Upper
 152 100
 150 161.2 125.1 187.7
 115 62.9 49.6 74.4



#5
 2-Fluorophenol
 Concen: 21.211 ng
 RT: 5.528 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: BM039108.D
 Acq: 23 Mar 2023 01:08

Tgt Ion:112 Resp: 483957
 Ion Ratio Lower Upper
 112 100
 64 55.0 45.9 68.9
 63 28.4 23.8 35.8

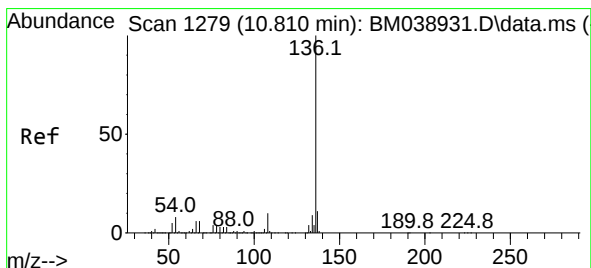
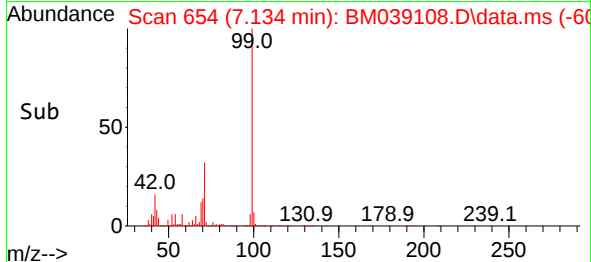
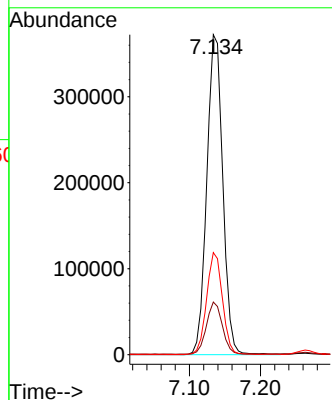
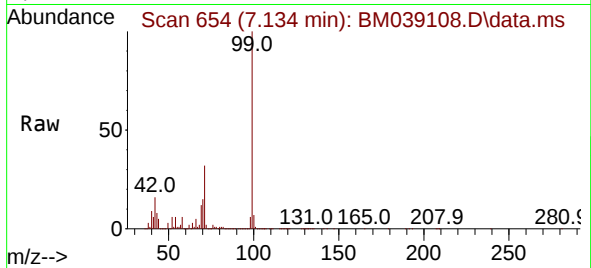




#7
Phenol-d6
Concen: 19.685 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

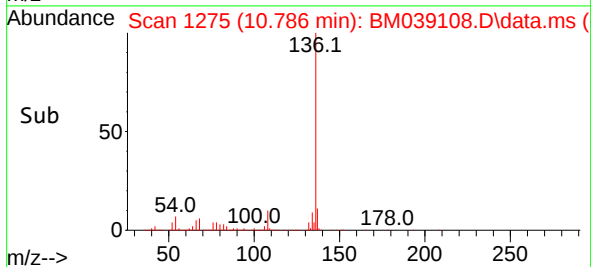
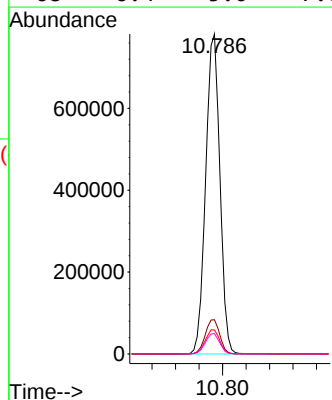
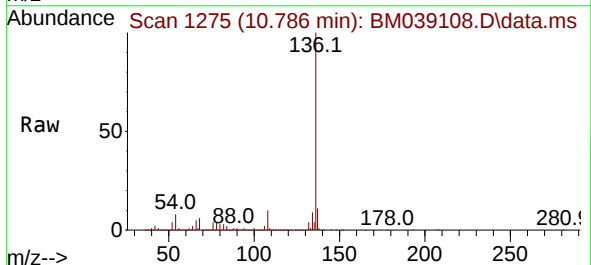
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423

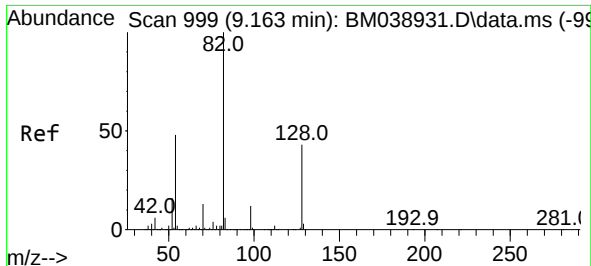
Tgt Ion: 99 Resp: 583390
Ion Ratio Lower Upper
99 100
42 16.4 13.5 20.3
71 31.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

Tgt Ion: 136 Resp: 1309162
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.5 6.3 9.5
68 6.4 5.0 7.6

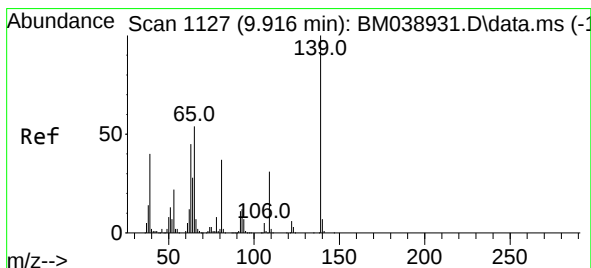
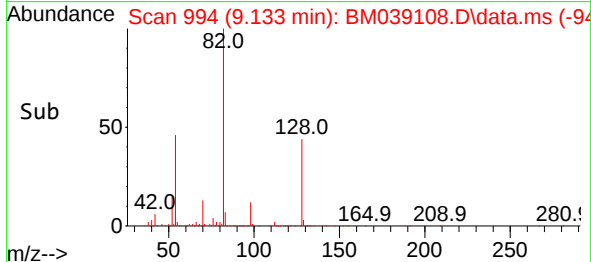
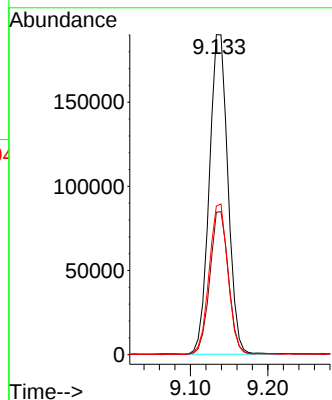
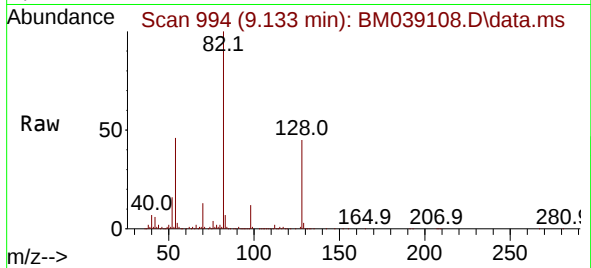




#23
Nitrobenzene-d5
Concen: 11.910 ng
RT: 9.133 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

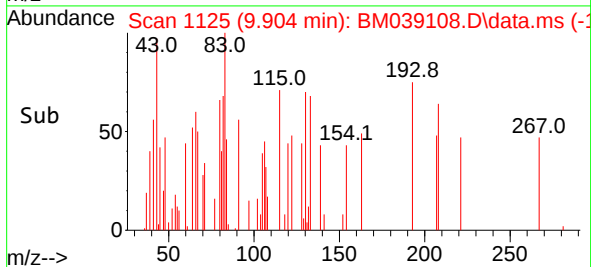
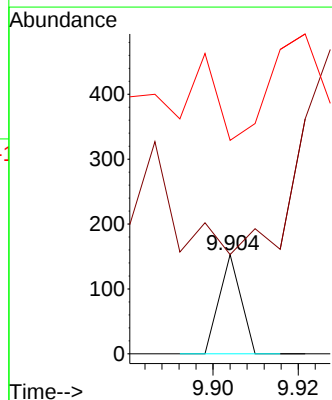
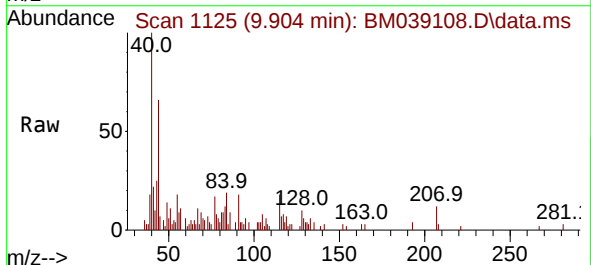
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423

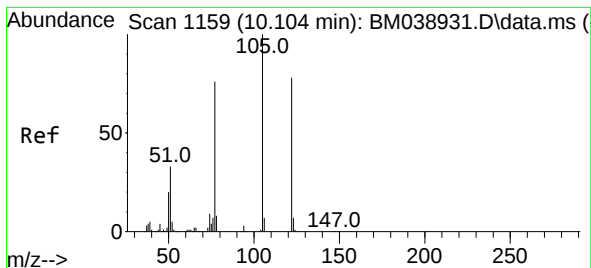
Tgt Ion: 82 Resp: 317421
Ion Ratio Lower Upper
82 100
128 44.5 34.4 51.6
54 46.5 38.8 58.2



#26
2-Nitrophenol
Concen: 2.995 ng
RT: 9.904 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

Tgt Ion: 139 Resp: 54
Ion Ratio Lower Upper
139 100
109 100.0 24.5 36.7#
65 215.0 43.0 64.6#





#32

Benzoic acid

Concen: 5.775 ng

RT: 10.033 min Scan# 1147

Delta R.T. -0.053 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

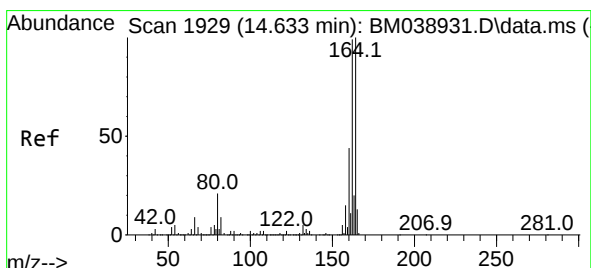
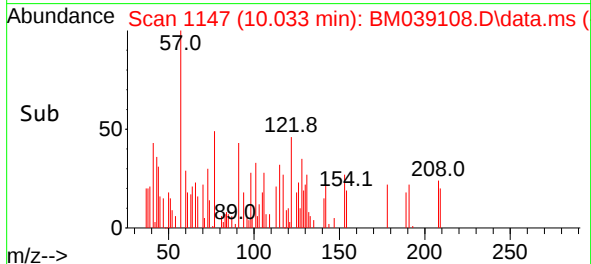
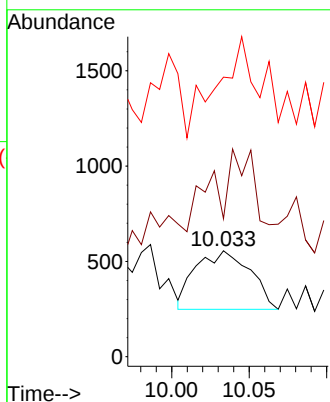
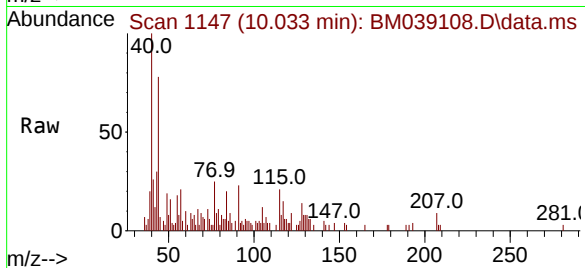
Tgt Ion:122 Resp: 747

Ion Ratio Lower Upper

122 100

105 130.2 104.2 144.2

77 263.8 75.1 115.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.610 min Scan# 1925

Delta R.T. -0.000 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

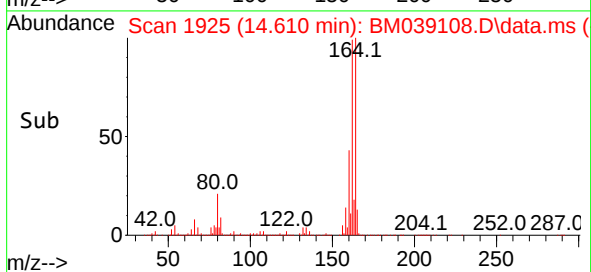
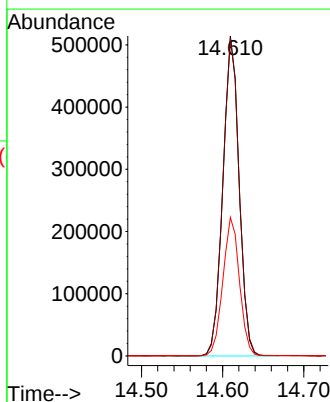
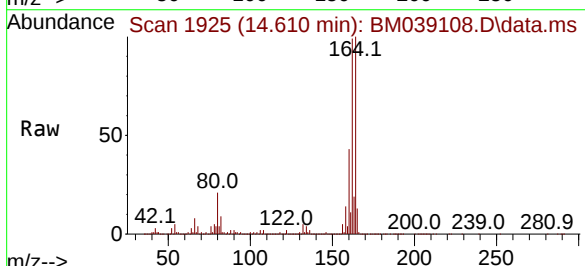
Tgt Ion:164 Resp: 715581

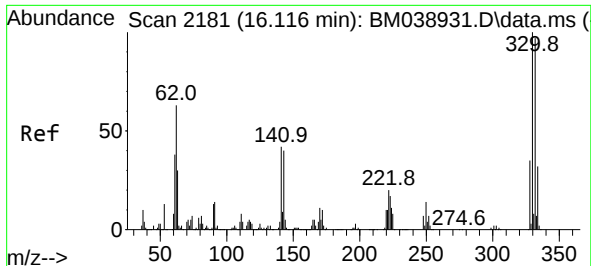
Ion Ratio Lower Upper

164 100

162 99.3 79.2 118.8

160 43.3 35.5 53.3

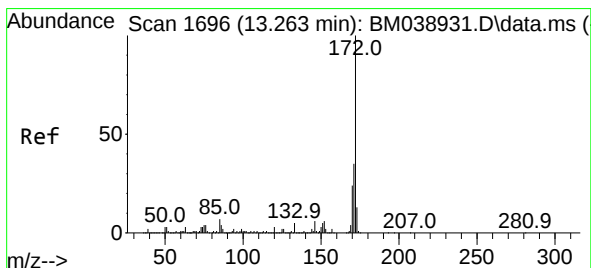
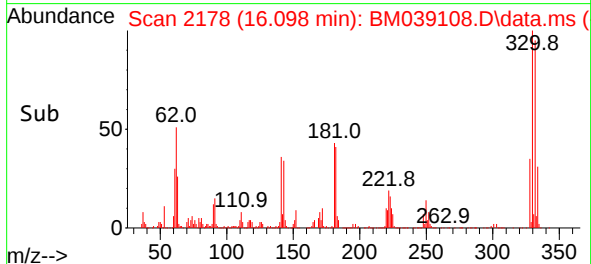
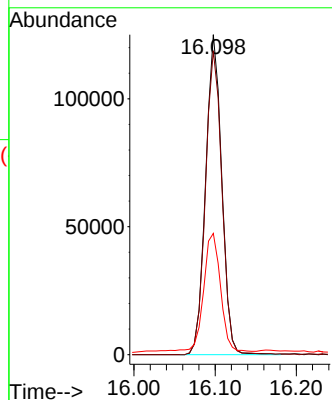
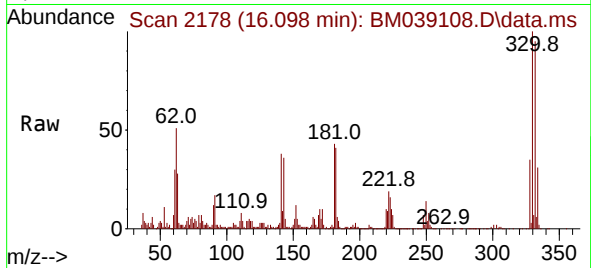




#42
2,4,6-Tribromophenol
Concen: 20.797 ng
RT: 16.098 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

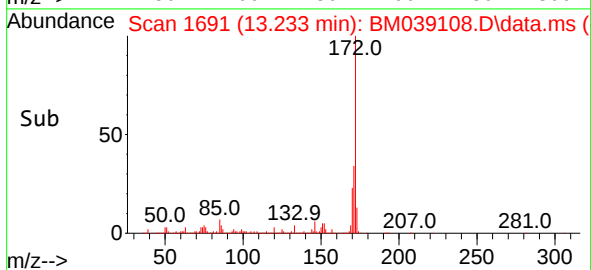
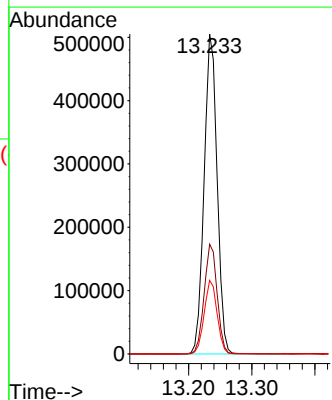
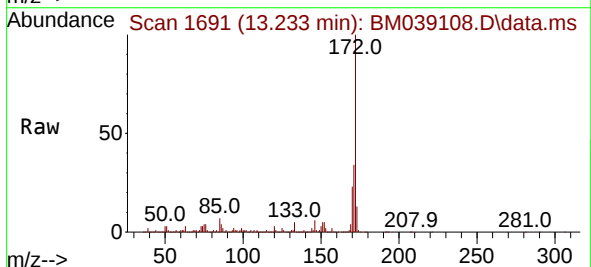
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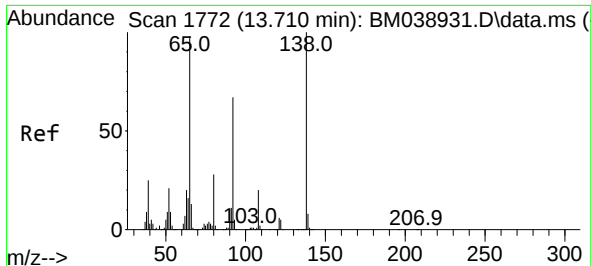
Tgt Ion:330 Resp: 172160
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 40.7 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 13.124 ng
RT: 13.233 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

Tgt Ion:172 Resp: 721418
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 23.0 19.1 28.7

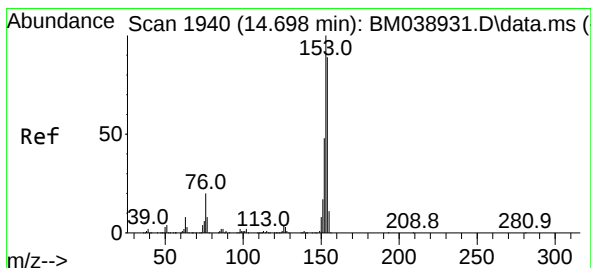
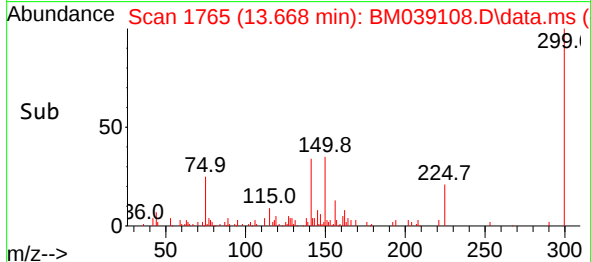
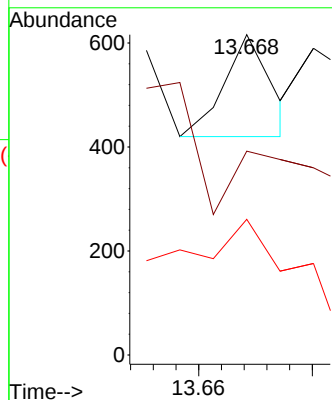
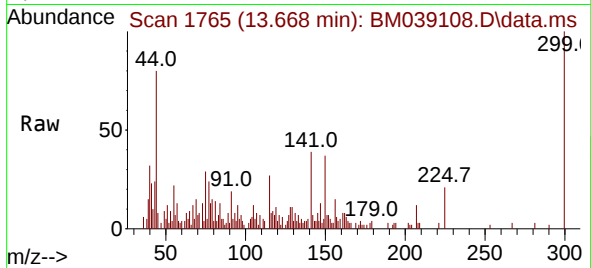




#48
2-Nitroaniline
Concen: 2.223 ng
RT: 13.668 min Scan# 1113
Delta R.T. -0.024 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

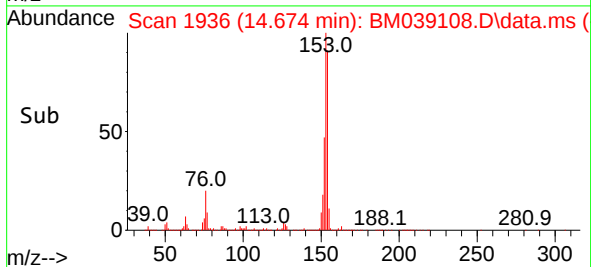
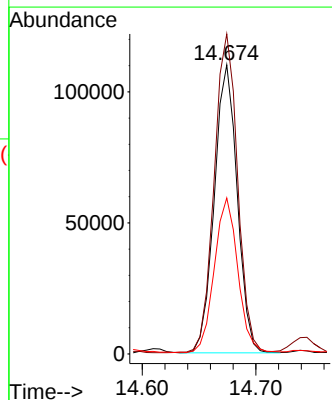
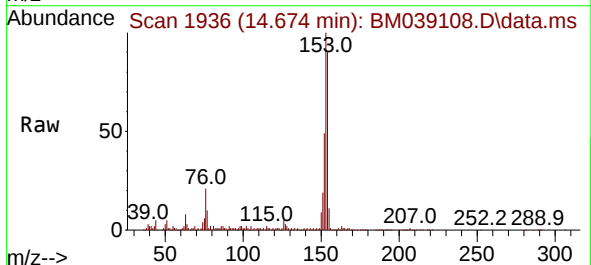
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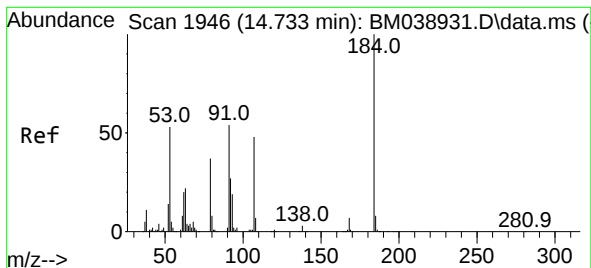
Tgt Ion: 65 Resp: 113
Ion Ratio Lower Upper
65 100
92 63.6 54.9 82.3
138 42.4 81.6 122.4#



#52
Acenaphthene
Concen: 3.441 ng
RT: 14.674 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

Tgt Ion:154 Resp: 153963
Ion Ratio Lower Upper
154 100
153 110.7 90.2 135.2
152 53.9 43.4 65.2

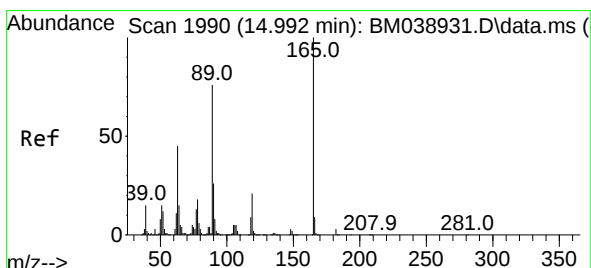
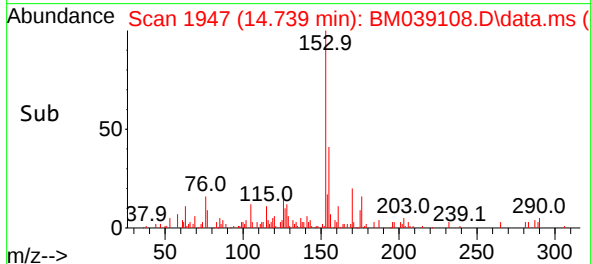
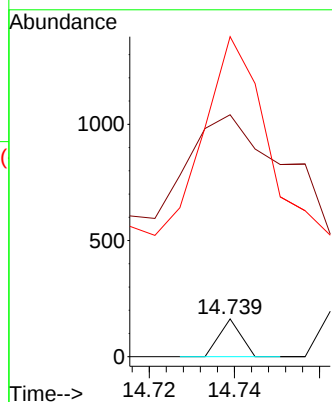
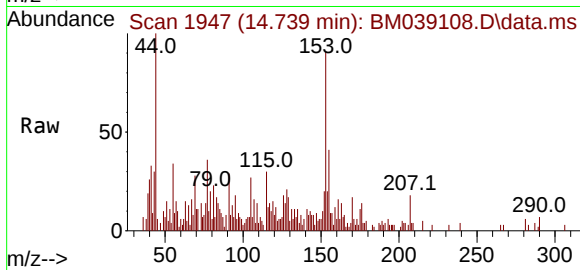




#54
2,4-Dinitrophenol
Concen: 5.199 ng
RT: 14.739 min Scan# 1946
Delta R.T. 0.023 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

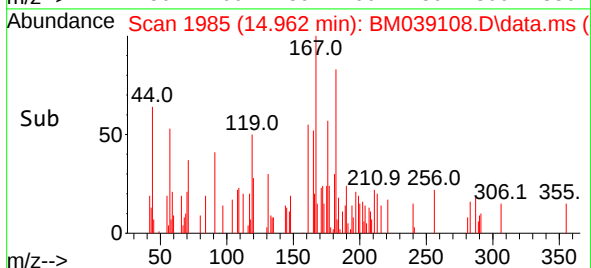
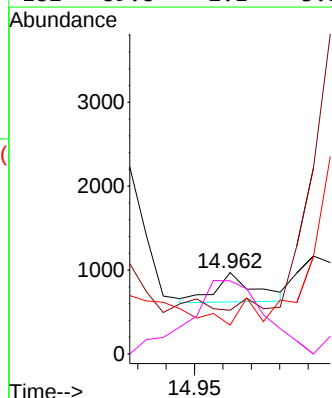
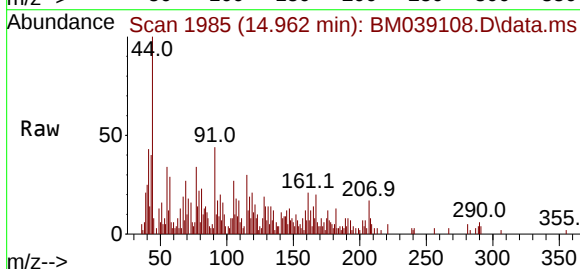
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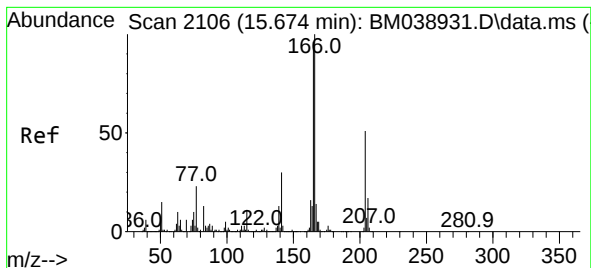
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 638.7 60.6 90.8#
154 844.8 51.4 77.2#



#57
2,4-Dinitrotoluene
Concen: 2.091 ng
RT: 14.962 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

Tgt Ion:165 Resp: 333
Ion Ratio Lower Upper
165 100
63 53.7 35.9 53.9
89 35.3 61.0 91.6#
182 89.8 2.1 3.1#





#58

Fluorene

Concen: 3.262 ng

RT: 15.657 min Scan# 2103

Delta R.T. -0.000 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

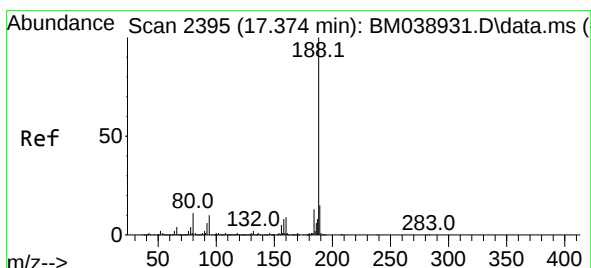
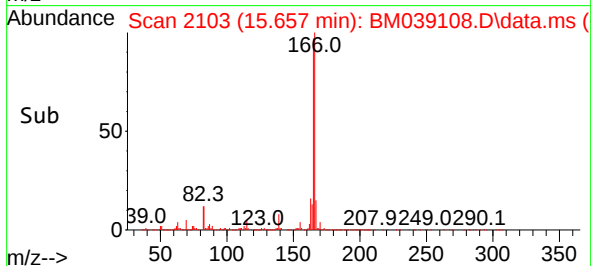
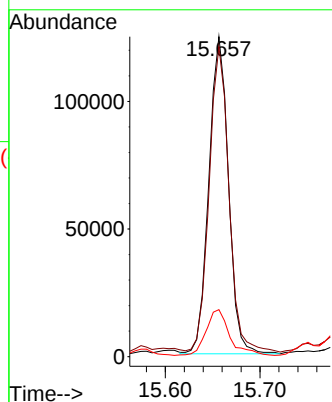
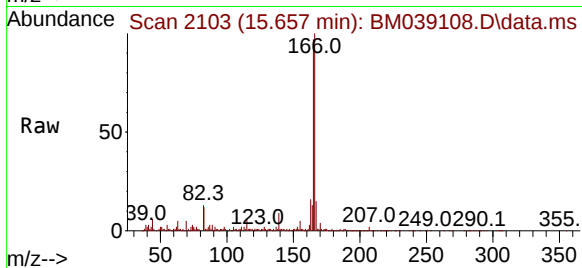
Tgt Ion:166 Resp: 178912

Ion Ratio Lower Upper

166 100

165 96.9 77.1 115.7

167 14.7 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.356 min Scan# 2392

Delta R.T. 0.006 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

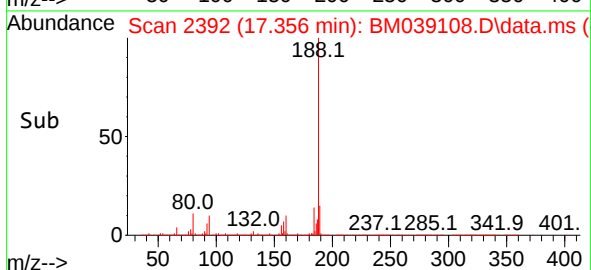
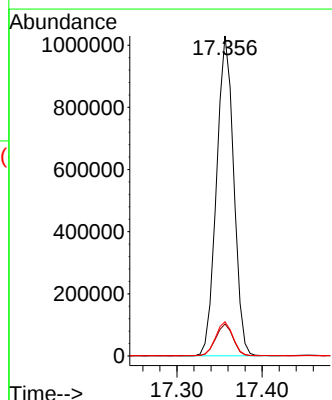
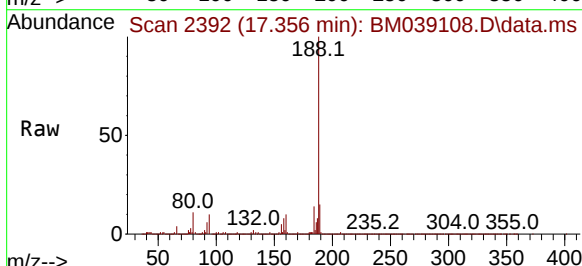
Tgt Ion:188 Resp: 1444071

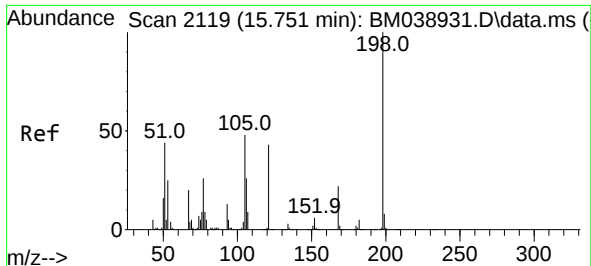
Ion Ratio Lower Upper

188 100

94 10.0 7.9 11.9

80 10.7 8.5 12.7

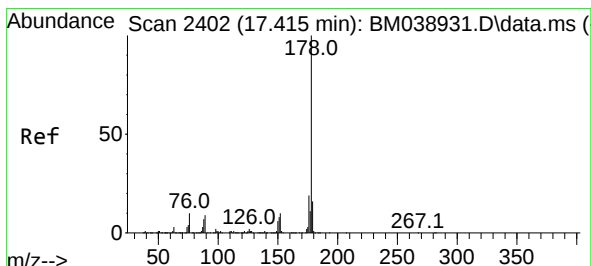
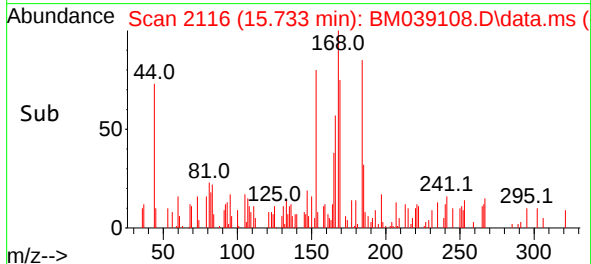
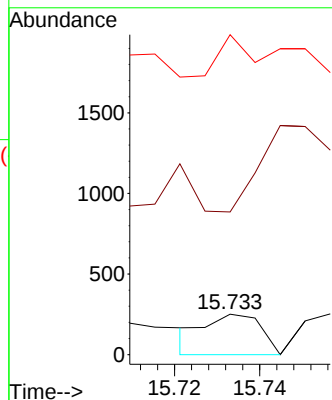
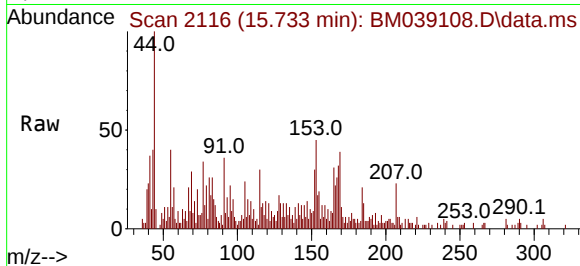




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.110 ng
 RT: 15.733 min Scan# 2116
 Delta R.T. -0.000 min
 Lab File: BM039108.D
 Acq: 23 Mar 2023 01:08

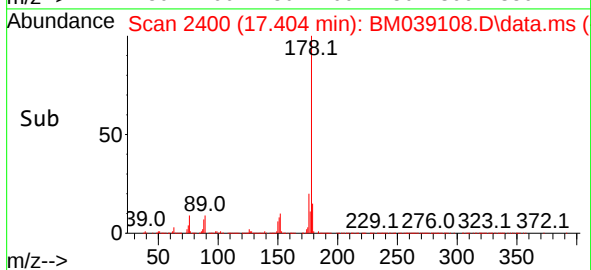
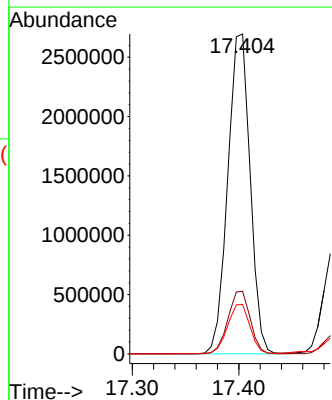
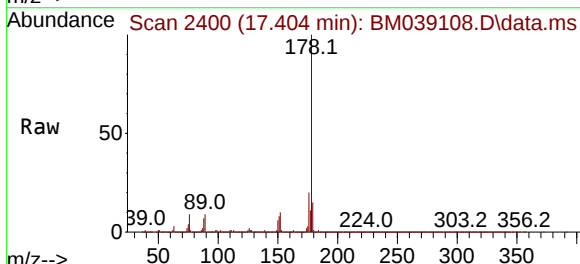
Instrument :
 BNA_M
 ClientSampleId :
 JPP-6C-031423

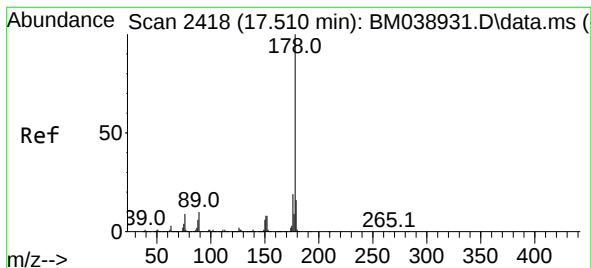
Tgt Ion:198 Resp: 228
 Ion Ratio Lower Upper
 198 100
 51 352.6 30.1 70.1#
 105 790.8 29.3 69.3#



#71
 Phenanthrene
 Concen: 46.361 ng
 RT: 17.404 min Scan# 2400
 Delta R.T. 0.012 min
 Lab File: BM039108.D
 Acq: 23 Mar 2023 01:08

Tgt Ion:178 Resp: 3929278
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.6 23.4
 179 15.4 12.5 18.7





#72

Anthracene

Concen: 14.451 ng

RT: 17.492 min Scan# 2418

Delta R.T. 0.006 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

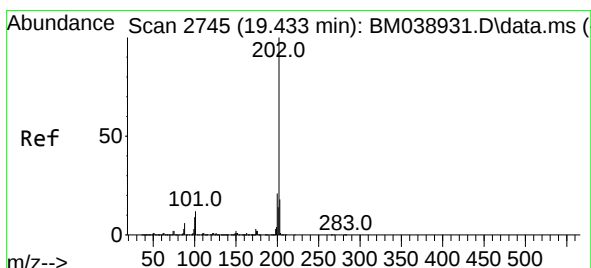
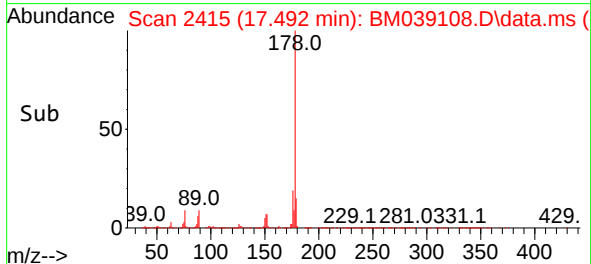
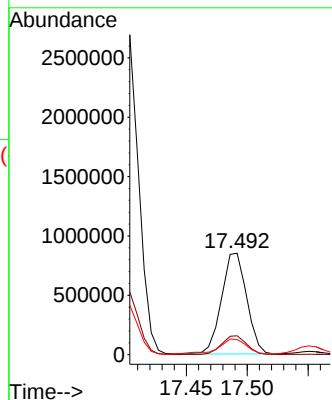
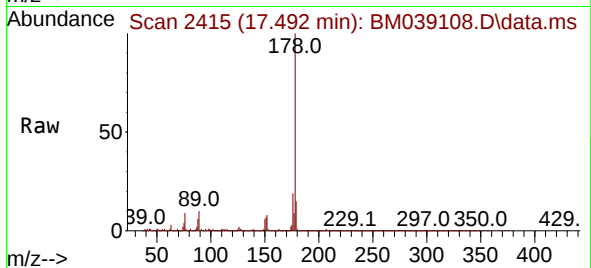
Tgt Ion:178 Resp: 1221431

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 15.0 12.5 18.7



#75

Fluoranthene

Concen: 101.018 ng

RT: 19.421 min Scan# 2743

Delta R.T. 0.012 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

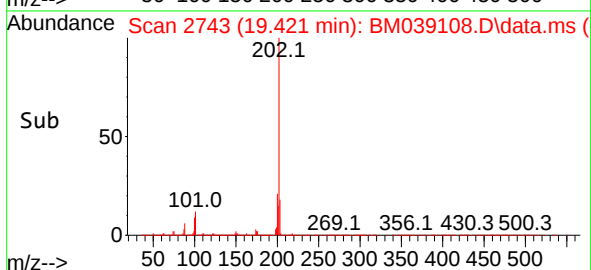
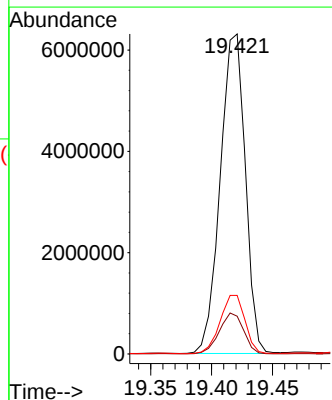
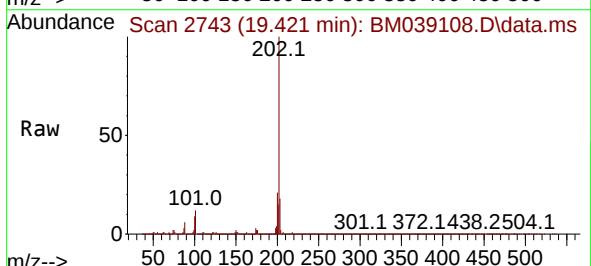
Tgt Ion:202 Resp: 9039777

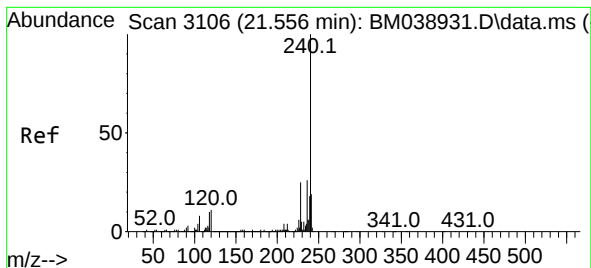
Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.7

203 18.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.539 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

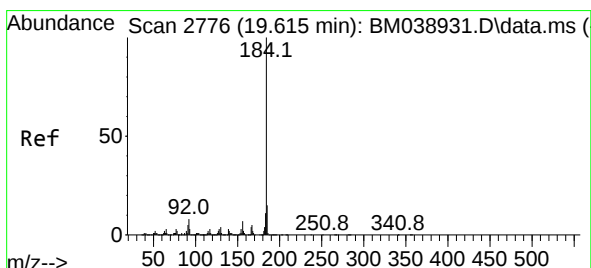
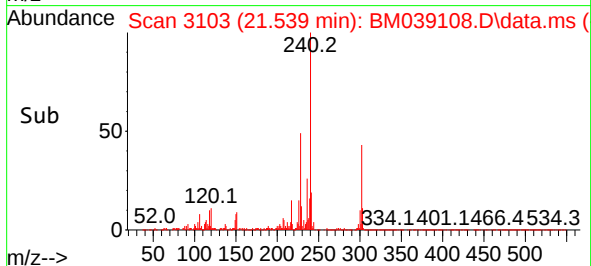
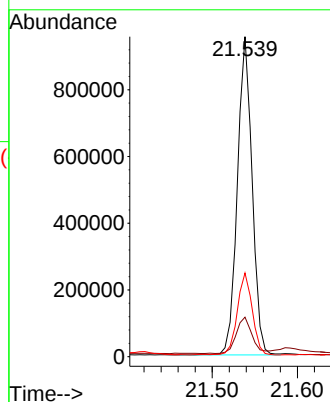
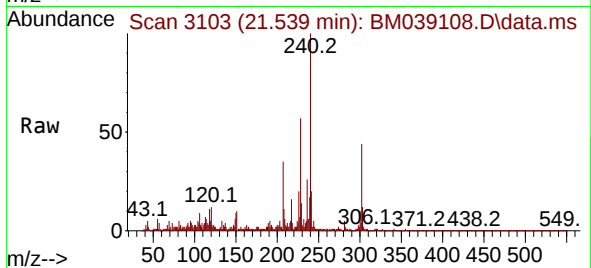
Tgt Ion:240 Resp: 1146976

Ion Ratio Lower Upper

240 100

120 12.3 9.2 13.8

236 26.2 20.8 31.2



#77

Benzidine

Concen: 4.898 ng

RT: 19.574 min Scan# 2769

Delta R.T. -0.018 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

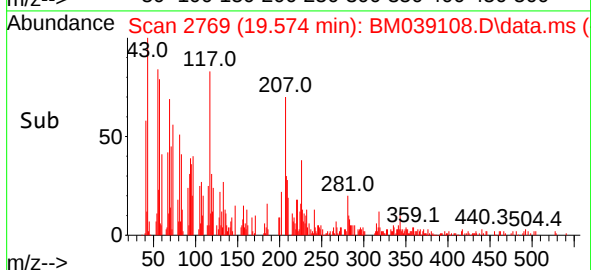
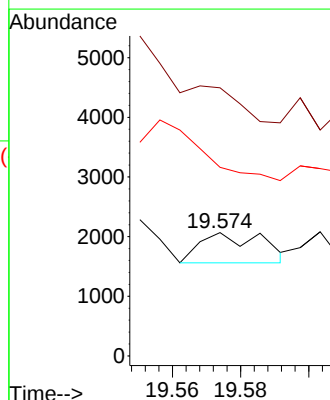
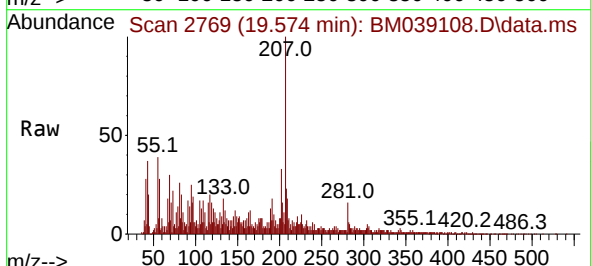
Tgt Ion:184 Resp: 638

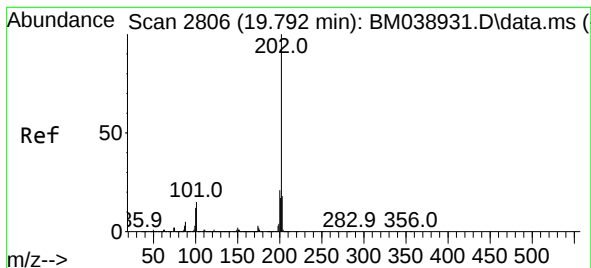
Ion Ratio Lower Upper

184 100

185 217.4 12.2 18.4#

183 152.9 8.8 13.2#





#78

Pyrene

Concen: 98.323 ng

RT: 19.780 min Scan# 2804

Delta R.T. 0.012 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

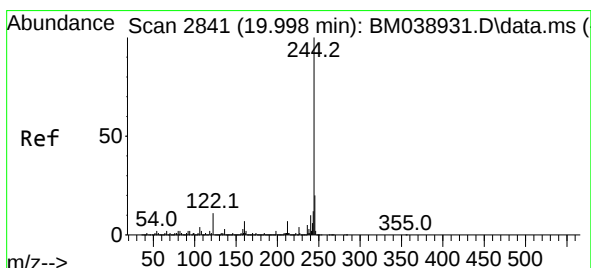
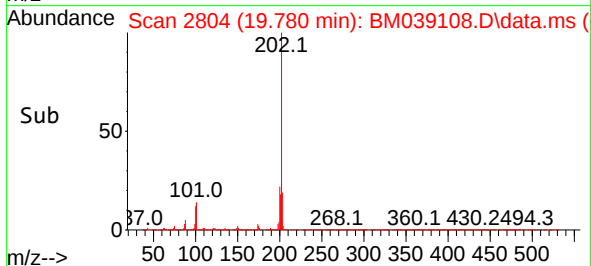
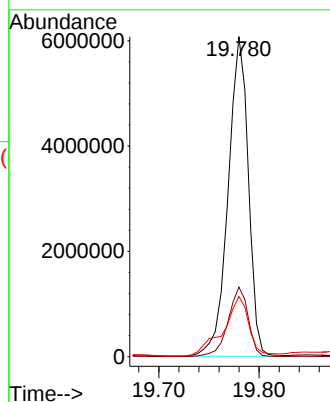
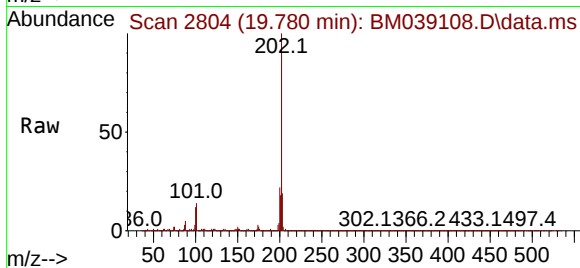
Tgt Ion:202 Resp: 8470281

Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 18.8 14.1 21.1



#79

Terphenyl-d14

Concen: 14.725 ng

RT: 19.974 min Scan# 2837

Delta R.T. 0.006 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

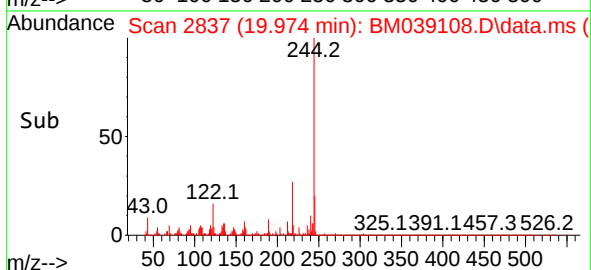
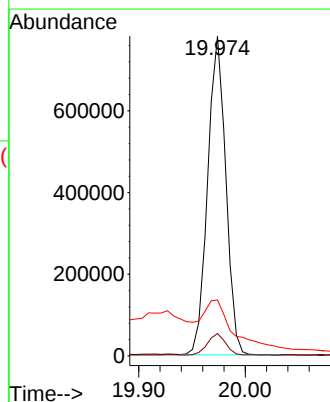
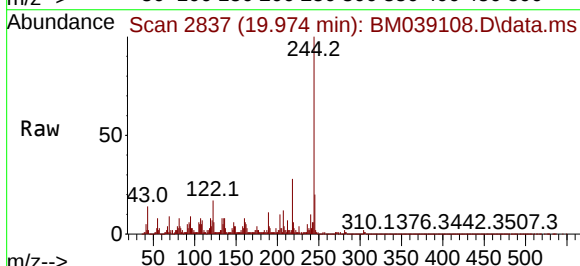
Tgt Ion:244 Resp: 923719

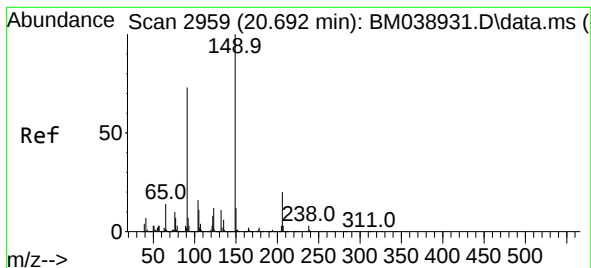
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 17.5 9.0 13.4#





#80

Butylbenzylphthalate

Concen: 3.435 ng

RT: 20.639 min Scan# 2959

Delta R.T. -0.024 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

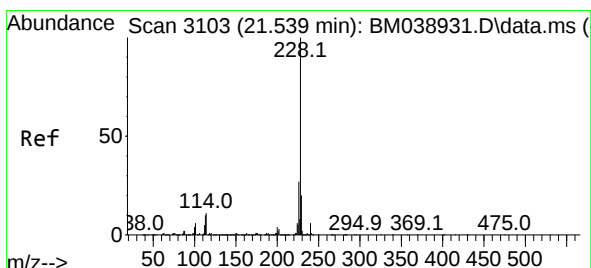
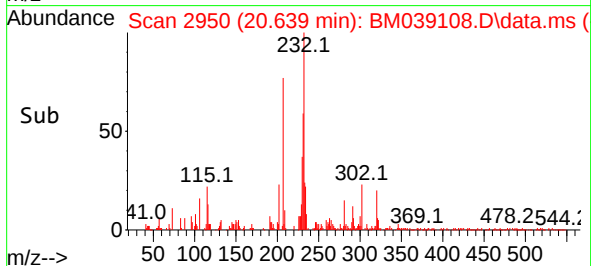
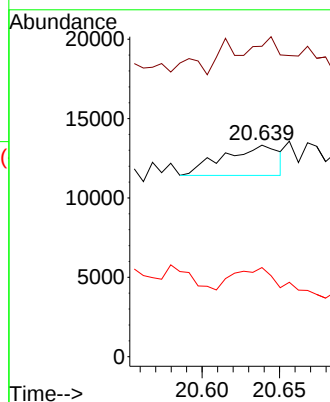
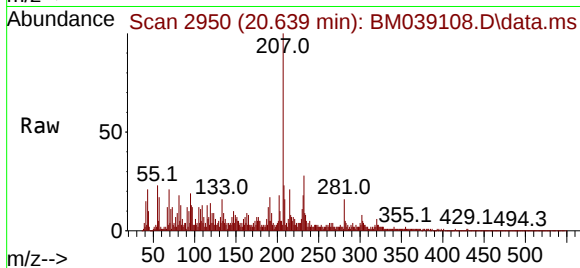
Tgt Ion:149 Resp: 4681

Ion Ratio Lower Upper

149 100

91 146.7 58.4 87.6#

206 42.1 16.1 24.1#



#81

Benzo(a)anthracene

Concen: 51.174 ng

RT: 21.521 min Scan# 3100

Delta R.T. 0.006 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

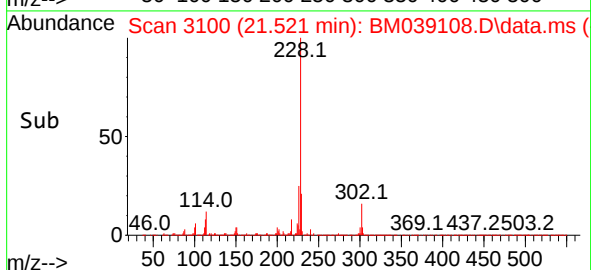
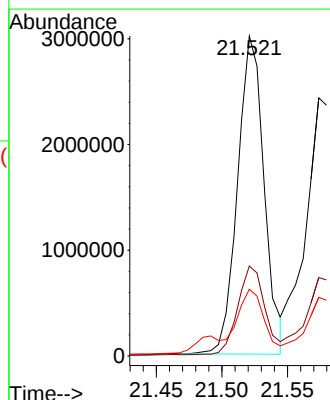
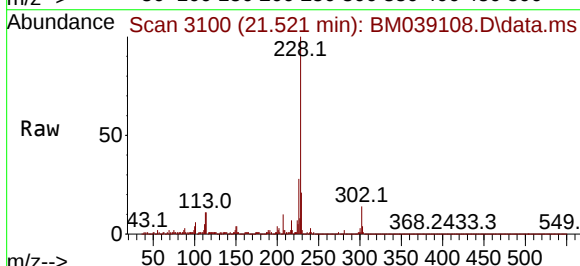
Tgt Ion:228 Resp: 4226952

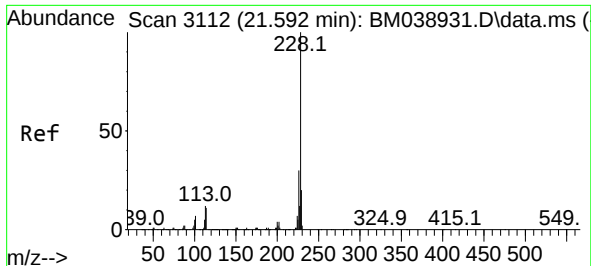
Ion Ratio Lower Upper

228 100

226 28.1 21.4 32.2

229 20.8 15.7 23.5

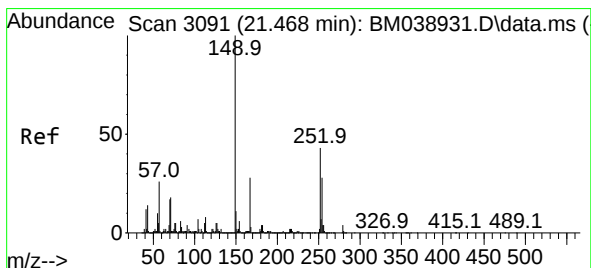
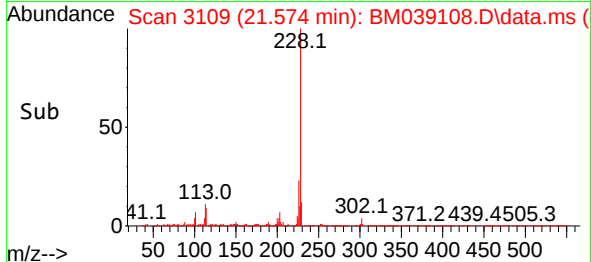
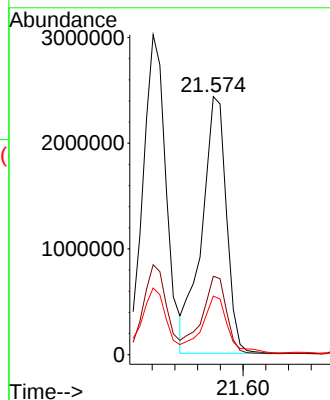
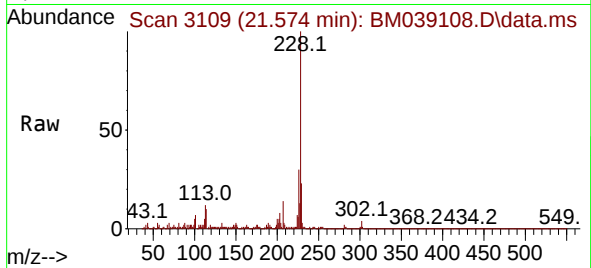




#83
Chrysene
Concen: 45.598 ng
RT: 21.574 min Scan# 3112
Delta R.T. 0.006 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

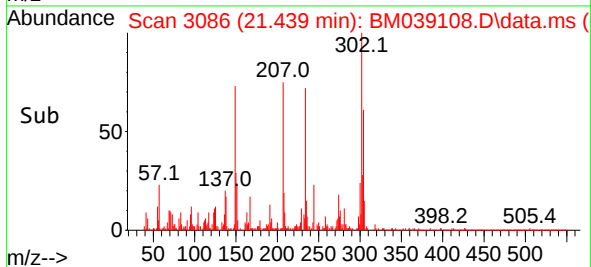
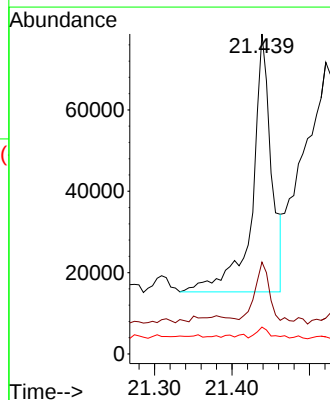
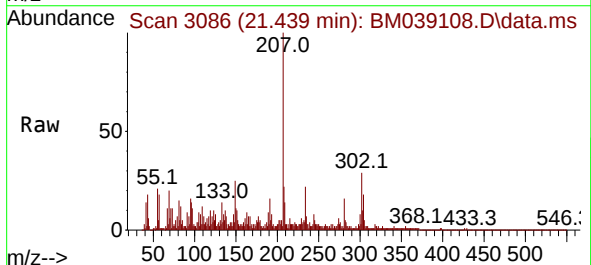
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423

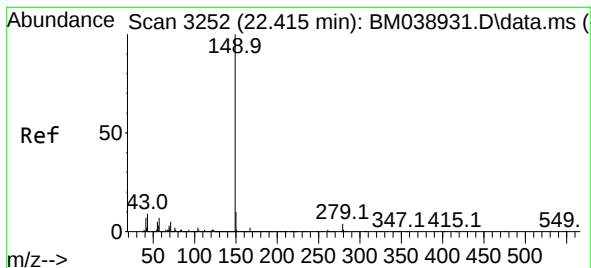
Tgt Ion:228 Resp: 3663104
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 22.7 16.0 24.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.445 ng
RT: 21.439 min Scan# 3086
Delta R.T. -0.000 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

Tgt Ion:149 Resp: 109459
Ion Ratio Lower Upper
149 100
167 28.7 22.3 33.5
279 8.4 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 4.049 ng

RT: 22.391 min Scan# 31

Delta R.T. 0.018 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

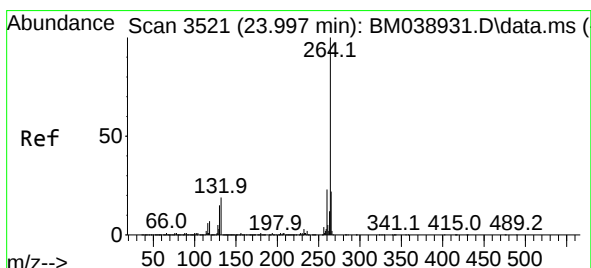
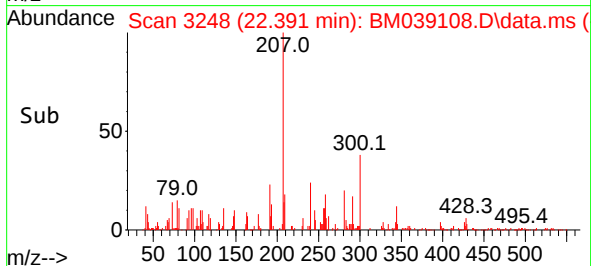
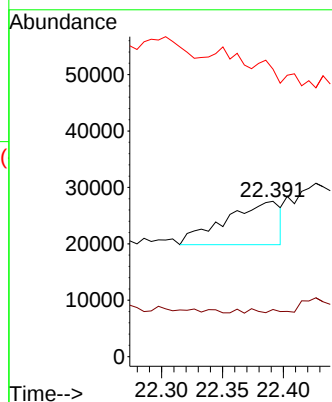
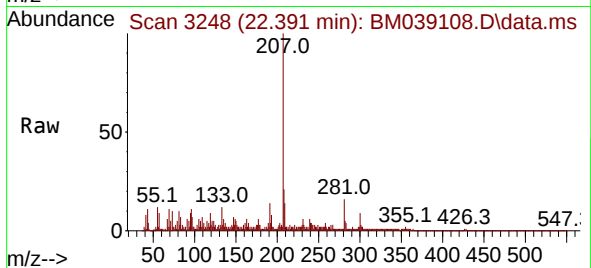
Tgt Ion:149 Resp: 24064

Ion Ratio Lower Upper

149 100

167 1.1 1.2 1.8#

43 0.0 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.980 min Scan# 3518

Delta R.T. 0.018 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

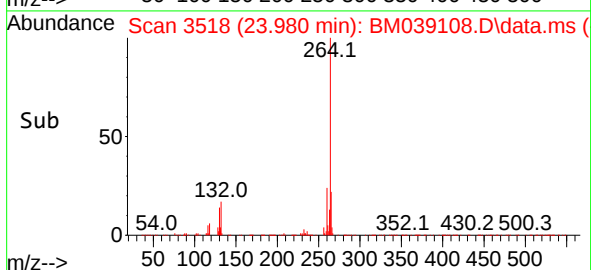
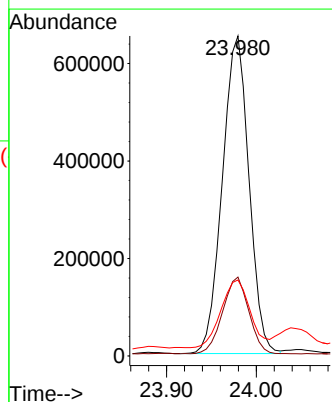
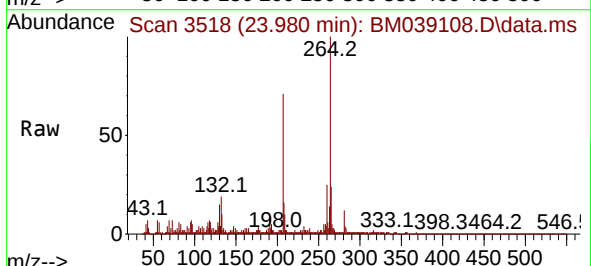
Tgt Ion:264 Resp: 1340491

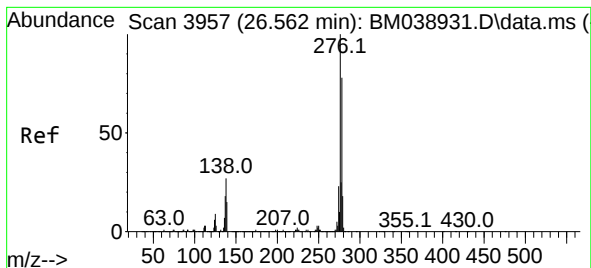
Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

265 23.8 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 27.127 ng

RT: 26.521 min Scan# 3950

Delta R.T. 0.023 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

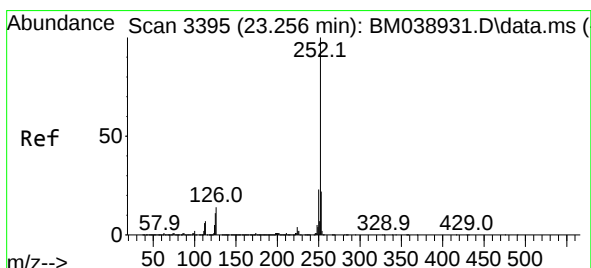
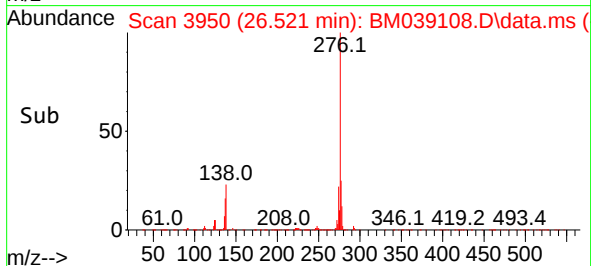
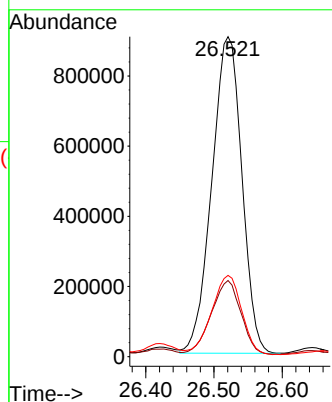
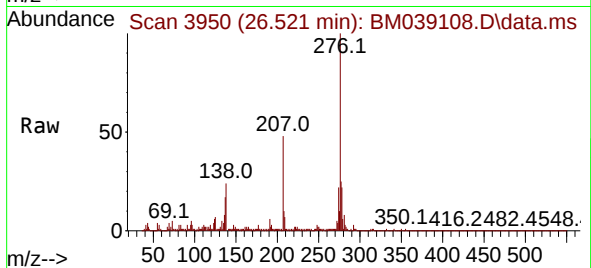
Tgt Ion:276 Resp: 2766977

Ion Ratio Lower Upper

276 100

138 23.0 22.1 33.1

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 61.548 ng

RT: 23.238 min Scan# 3392

Delta R.T. 0.018 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

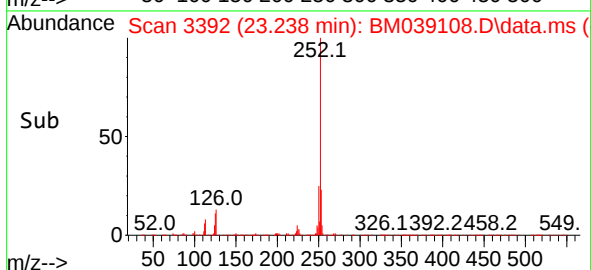
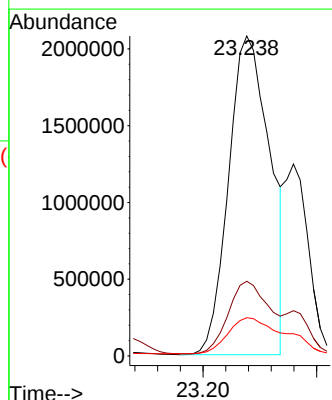
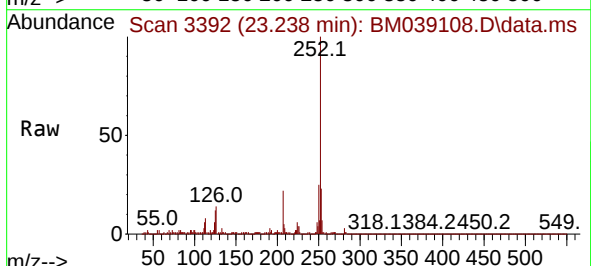
Tgt Ion:252 Resp: 5270942

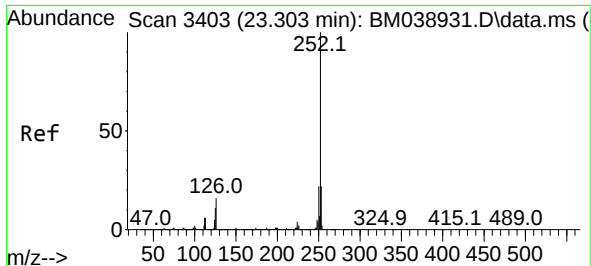
Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 11.9 8.8 13.2

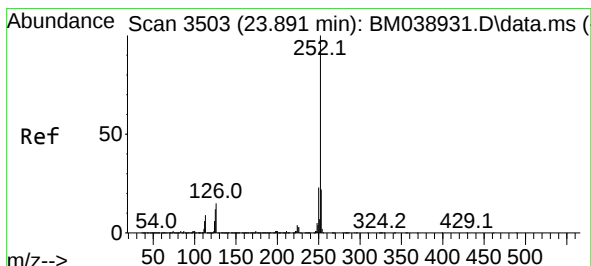
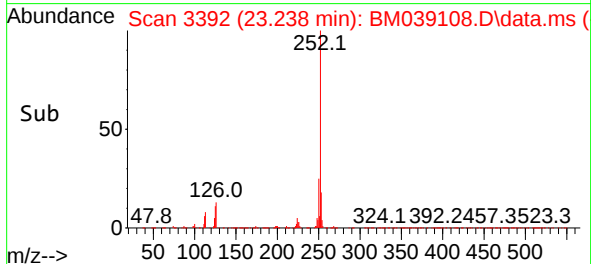
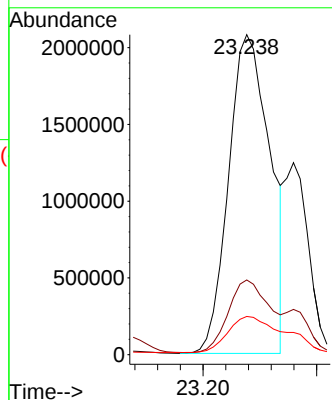
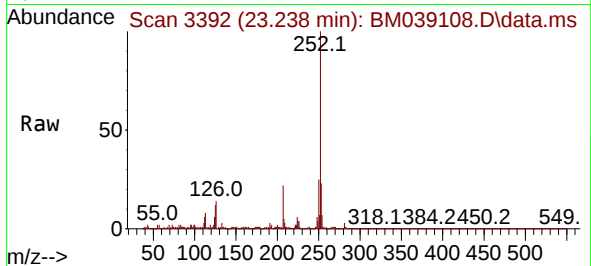




#89
Benzo(k)fluoranthene
Concen: 59.141 ng
RT: 23.238 min Scan# 31
Delta R.T. -0.030 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

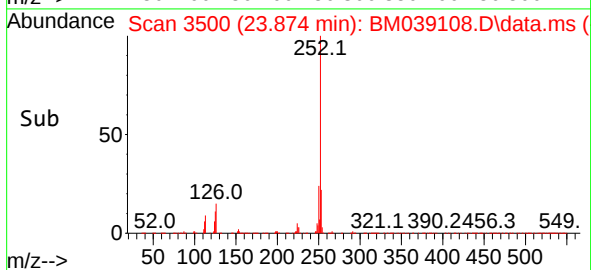
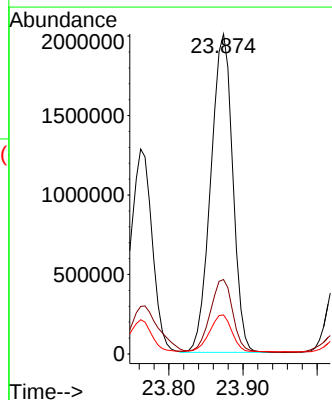
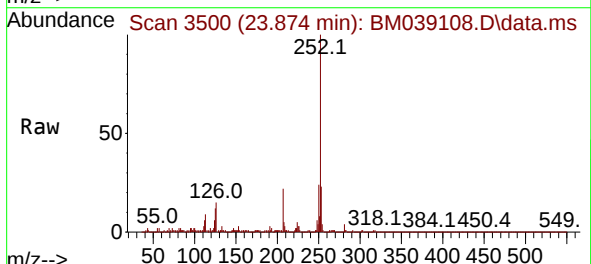
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423

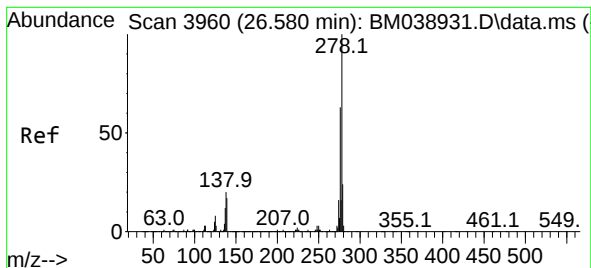
Tgt Ion:252 Resp: 5270942
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.9 8.9 13.3



#90
Benzo(a)pyrene
Concen: 49.970 ng
RT: 23.874 min Scan# 3500
Delta R.T. 0.018 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

Tgt Ion:252 Resp: 4118574
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 12.2 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 7.985 ng

RT: 26.526 min Scan# 3951

Delta R.T. 0.018 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

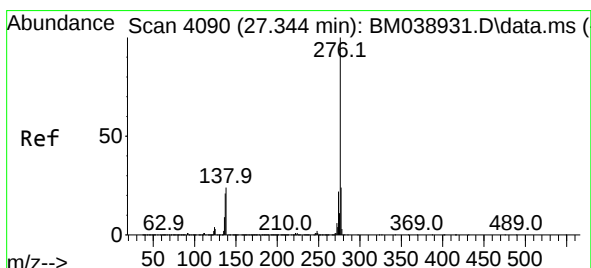
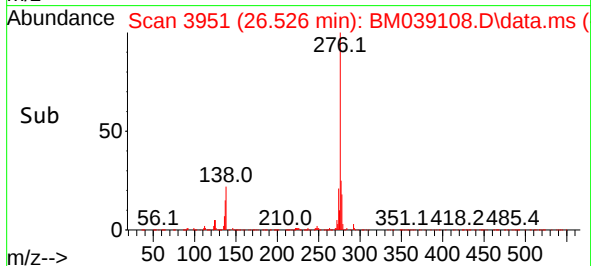
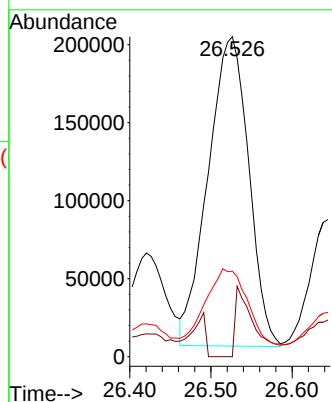
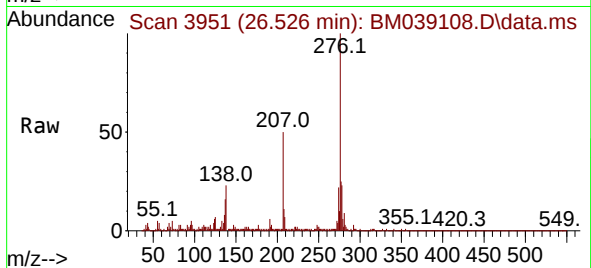
Tgt Ion:278 Resp: 689756

Ion Ratio Lower Upper

278 100

139 0.0 13.7 20.5#

279 26.7 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 31.965 ng

RT: 27.309 min Scan# 4084

Delta R.T. 0.035 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Tgt Ion:276 Resp: 2701502

Ion Ratio Lower Upper

276 100

277 24.2 19.3 28.9

138 23.3 19.0 28.6

