

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
 Data File : BM038779.D
 Acq On : 17 Feb 2023 17:57
 Operator : CG/JU
 Sample : 01552-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-03-0-2.0

Quant Time: Feb 17 23:23:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 23:12:31 2023
 Response via : Initial Calibration

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

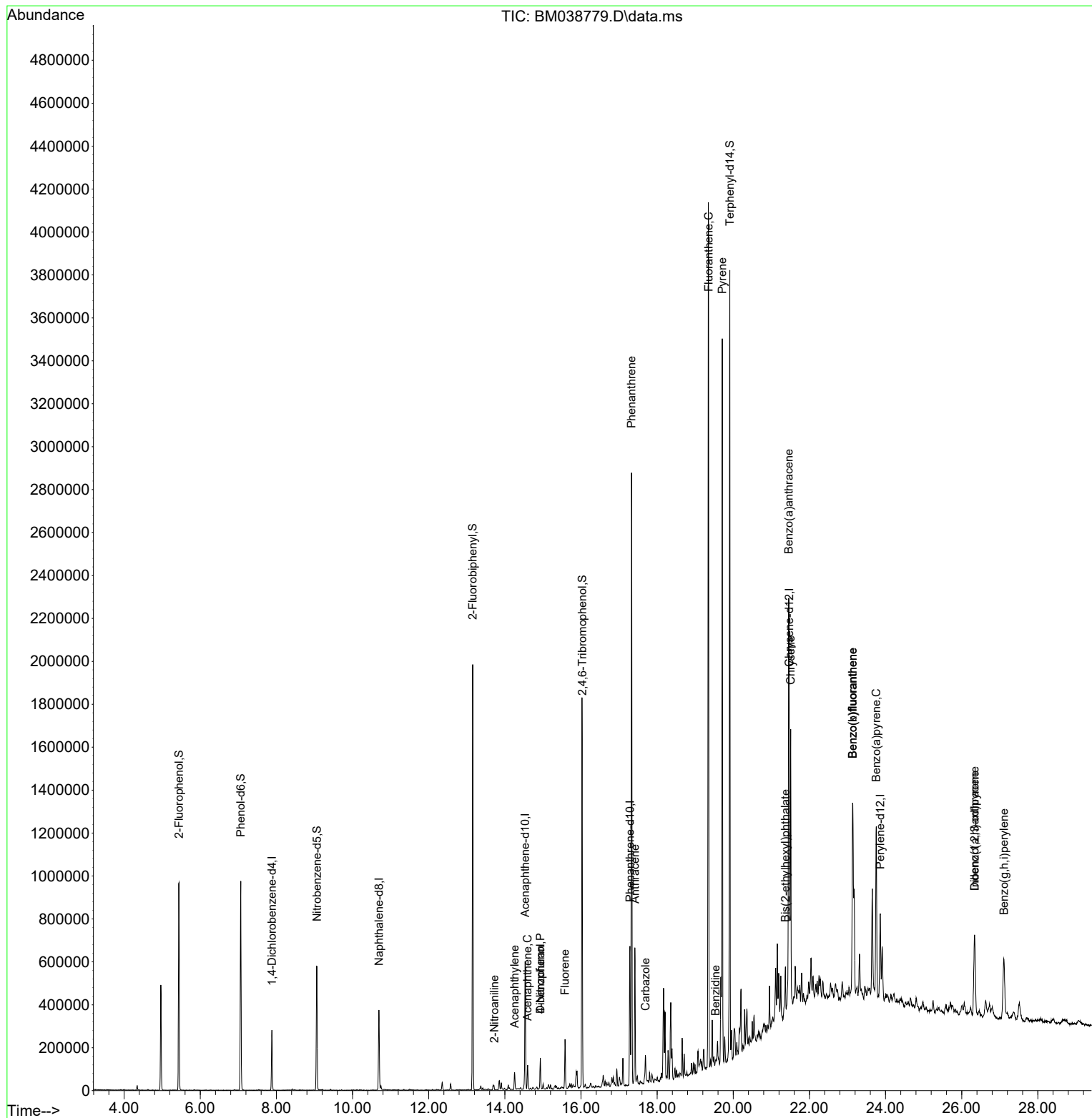
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	79736	20.000	ng	-0.03
21) Naphthalene-d8	10.692	136	300913	20.000	ng	#-0.03
39) Acenaphthene-d10	14.533	164	191527	20.000	ng	-0.03
64) Phenanthrene-d10	17.286	188	381708	20.000	ng	#-0.02
76) Chrysene-d12	21.468	240	315851	20.000	ng	-0.02
86) Perylene-d12	23.862	264	281490	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	453206	111.341	ng	-0.02
7) Phenol-d6	7.063	99	547115	117.851	ng	-0.02
23) Nitrobenzene-d5	9.063	82	321865	60.755	ng	-0.03
42) 2,4,6-Tribromophenol	16.033	330	290711	111.671	ng	-0.02
45) 2-Fluorobiphenyl	13.157	172	927663	61.663	ng	-0.03
79) Terphenyl-d14	19.909	244	1501479	83.888	ng	-0.02
Target Compounds						Qvalue
48) 2-Nitroaniline	13.722	65	56	2.191	ng	# 1
49) Acenaphthylene	14.257	152	54205	2.883	ng	98
52) Acenaphthene	14.598	154	37784	3.365	ng	96
55) Dibenzofuran	14.933	168	79266	4.100	ng	95
56) 4-Nitrophenol	14.933	139	30228	11.865	ng	# 10
58) Fluorene	15.580	166	92693	6.059	ng	96
71) Phenanthrene	17.327	178	1560015	68.830	ng	99
72) Anthracene	17.415	178	376979	16.259	ng	99
73) Carbazole	17.692	167	79204	3.663	ng	94
75) Fluoranthene	19.351	202	2276147	95.649	ng	99
77) Benzidine	19.539	184	256	3.139	ng	# 1
78) Pyrene	19.709	202	1826123	75.095	ng	99
81) Benzo(a)anthracene	21.456	228	809823	36.246	ng	98
83) Chrysene	21.509	228	585964	27.220	ng	96
84) Bis(2-ethylhexyl)phtha...	21.368	149	71015	5.401	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.338	276	362492	16.349	ng	97
88) Benzo(b)fluoranthene	23.133	252	741525	43.981	ng	98
89) Benzo(k)fluoranthene	23.133	252	741525	43.311	ng	98
90) Benzo(a)pyrene	23.756	252	540034	32.389	ng	98
91) Dibenzo(a,h)anthracene	26.338	278	93166	4.994	ng	# 80
92) Benzo(g,h,i)perylene	27.109	276	340158	18.040	ng	98

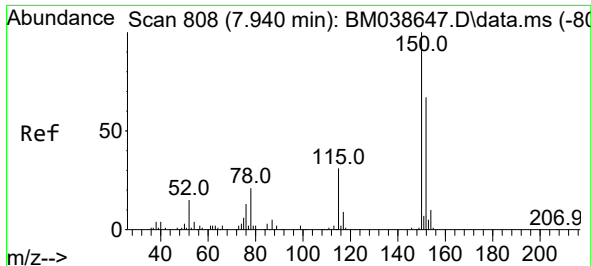
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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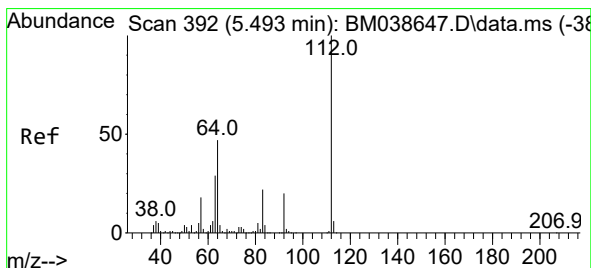
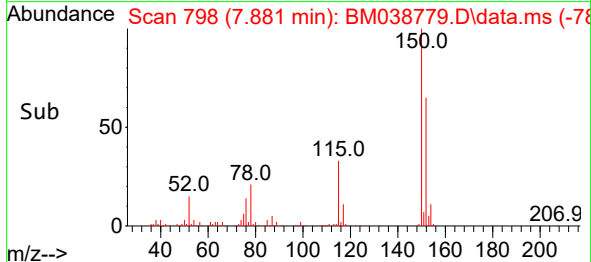
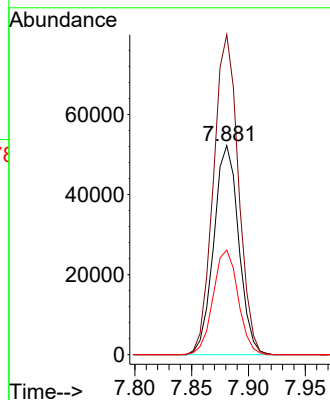
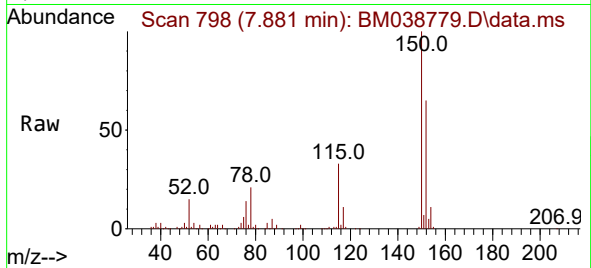




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 79
Delta R.T. -0.029 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

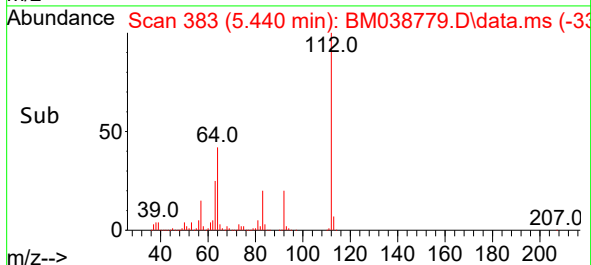
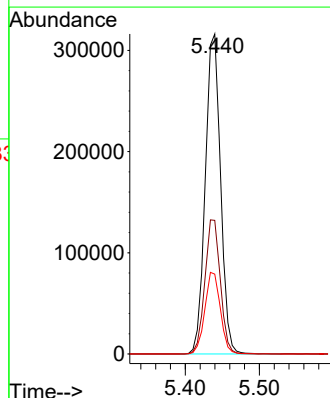
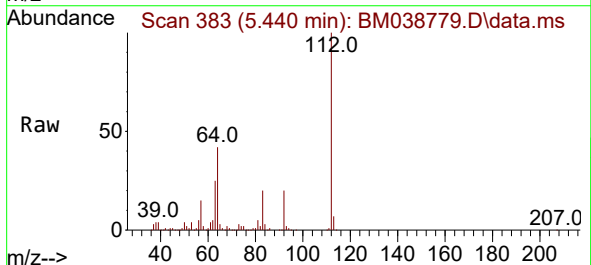
Instrument :
BNA_M
ClientSampleId :
SB-03-0-2.0

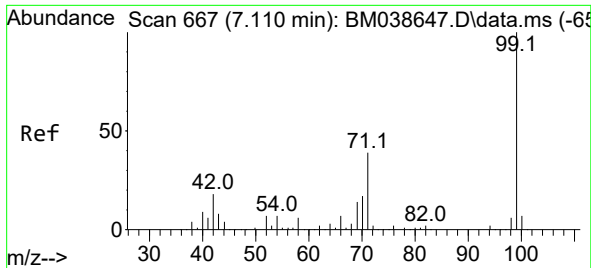
Tgt Ion:152 Resp: 79736
Ion Ratio Lower Upper
152 100
150 153.0 119.5 179.3
115 50.0 37.6 56.4



#5
2-Fluorophenol
Concen: 111.341 ng
RT: 5.440 min Scan# 383
Delta R.T. -0.023 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

Tgt Ion:112 Resp: 453206
Ion Ratio Lower Upper
112 100
64 41.8 37.9 56.9
63 25.0 23.3 34.9

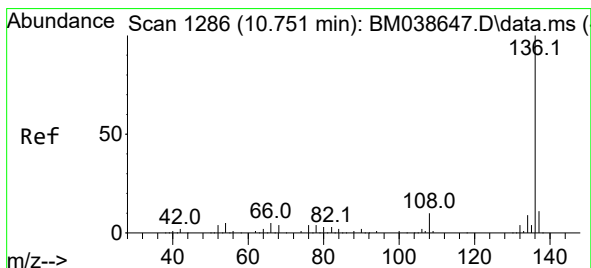
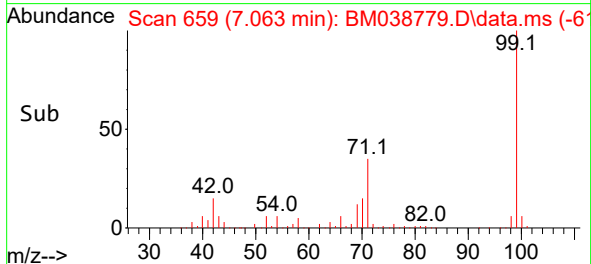
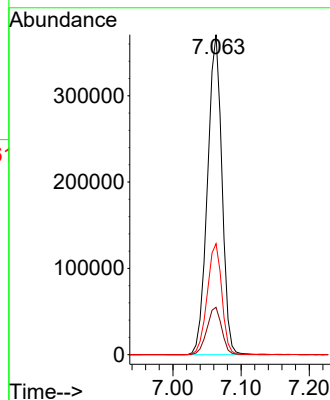
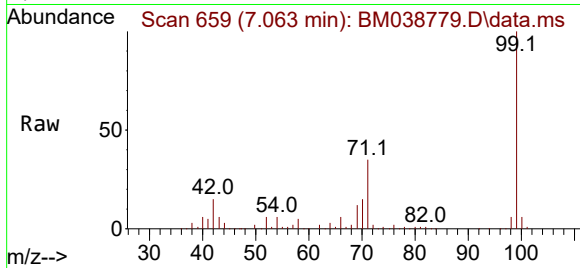




#7
Phenol-d6
Concen: 117.851 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.023 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

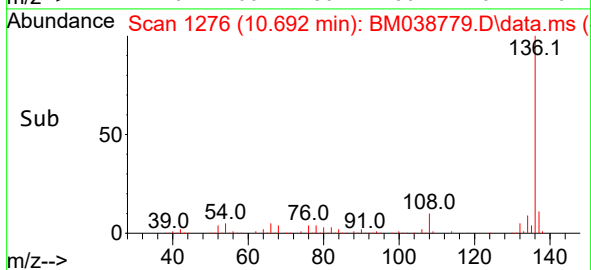
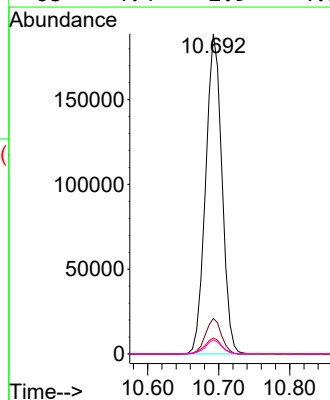
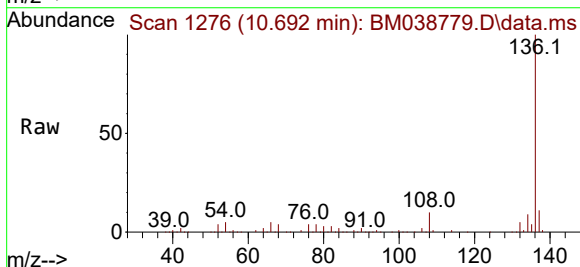
Instrument :
BNA_M
ClientSampleId :
SB-03-0-2.0

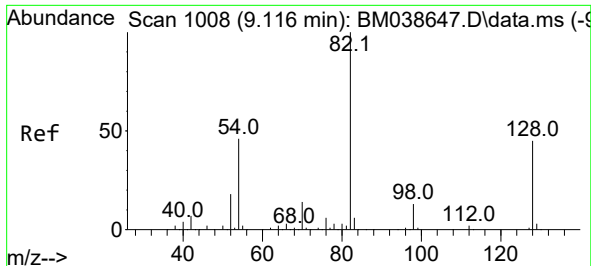
Tgt Ion: 99 Resp: 547115
Ion Ratio Lower Upper
99 100
42 14.8 14.6 22.0
71 34.7 31.0 46.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.692 min Scan# 1276
Delta R.T. -0.029 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

Tgt Ion: 136 Resp: 300913
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 5.0 4.2 6.4
68 4.4 2.9 4.3#

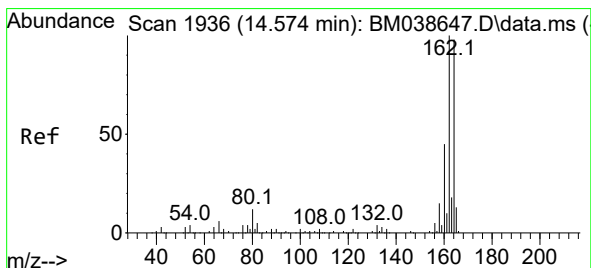
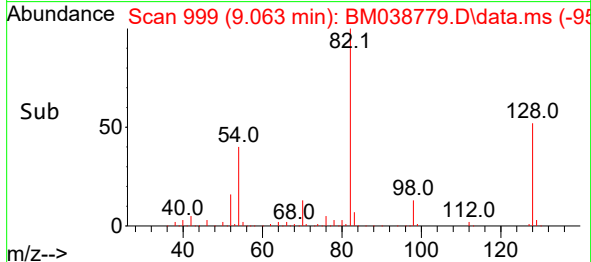
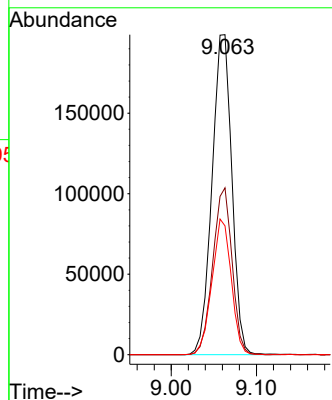
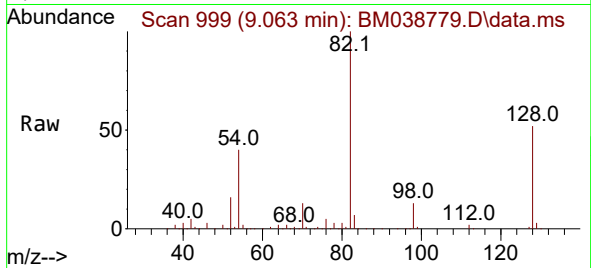




#23
Nitrobenzene-d5
Concen: 60.755 ng
RT: 9.063 min Scan# 91
Delta R.T. -0.029 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

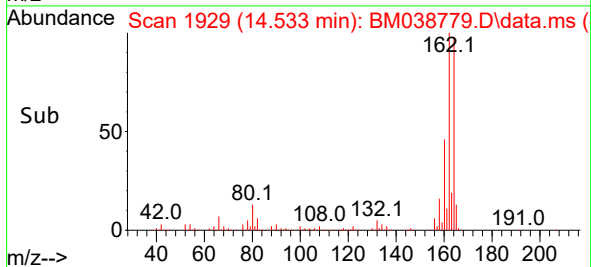
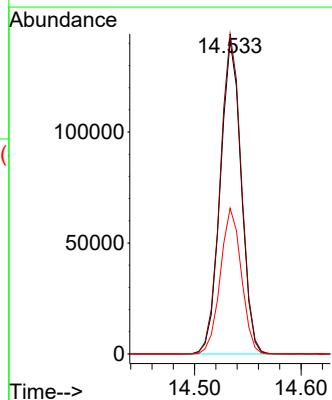
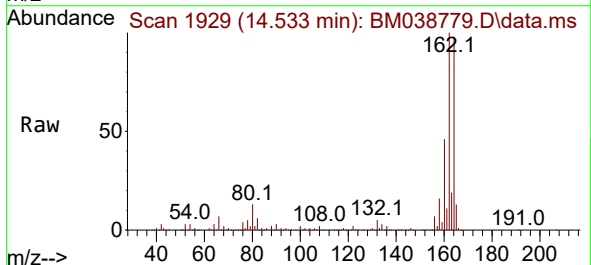
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BNA_M
ClientSampleId :
SB-03-0-2.0

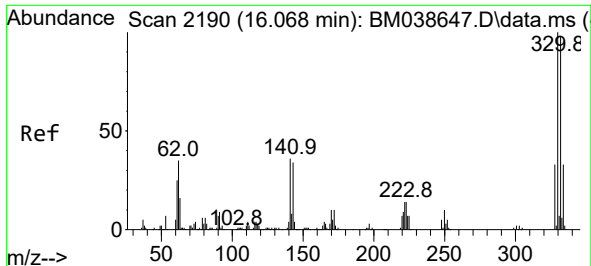
Tgt Ion: 82 Resp: 321865
Ion Ratio Lower Upper
82 100
128 52.2 36.0 54.0
54 40.3 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1929
Delta R.T. -0.029 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

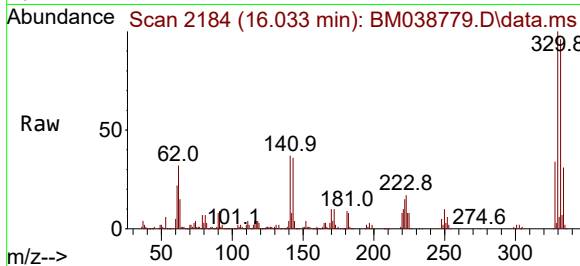
Tgt Ion: 164 Resp: 191527
Ion Ratio Lower Upper
164 100
162 102.1 81.4 122.0
160 46.5 36.5 54.7



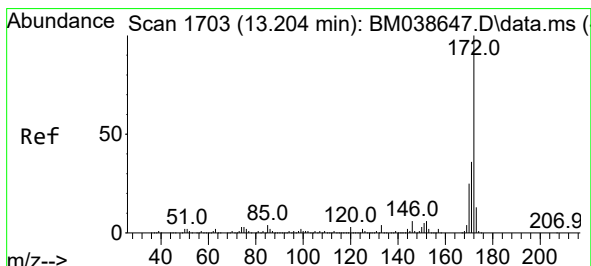
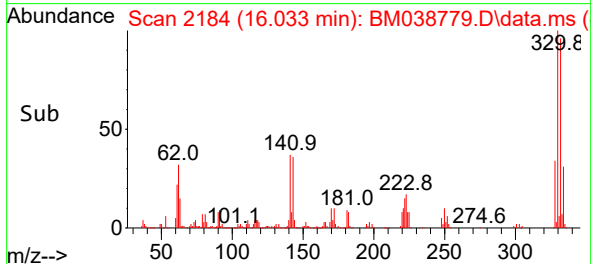
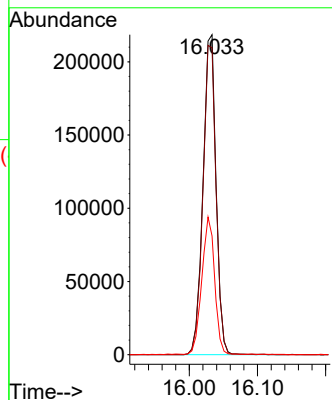


#42
2,4,6-Tribromophenol
Concen: 111.671 ng
RT: 16.033 min Scan# 2190
Delta R.T. -0.023 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

Instrument :
BNA_M
ClientSampleId :
SB-03-0-2.0

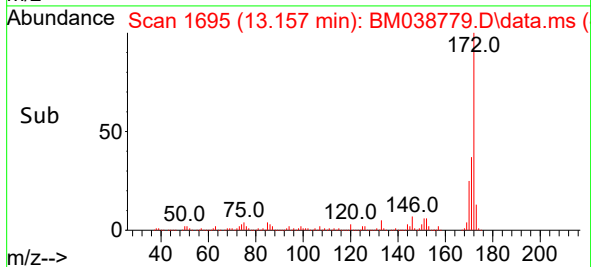
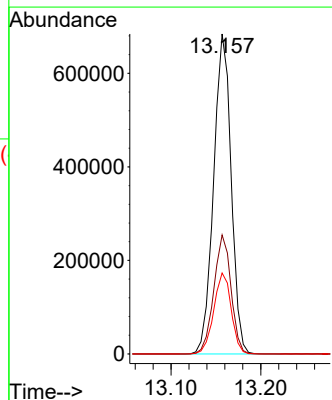
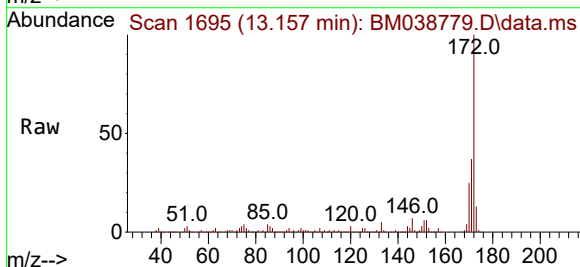


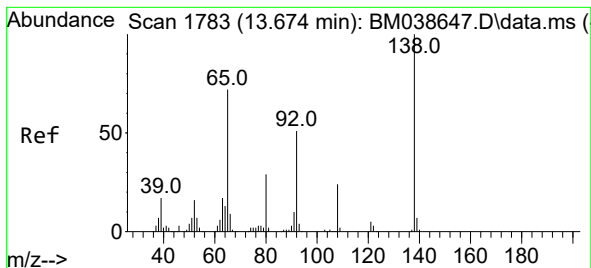
Tgt Ion:330 Resp: 290711
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.6
141 42.7 31.0 46.6



#45
2-Fluorobiphenyl
Concen: 61.663 ng
RT: 13.157 min Scan# 1695
Delta R.T. -0.029 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

Tgt Ion:172 Resp: 927663
Ion Ratio Lower Upper
172 100
171 37.2 28.7 43.1
170 25.3 20.0 30.0





#48

2-Nitroaniline

Concen: 2.191 ng

RT: 13.722 min Scan# 1

Delta R.T. 0.065 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

Instrument :

BNA_M

ClientSampleId :

SB-03-0-2.0

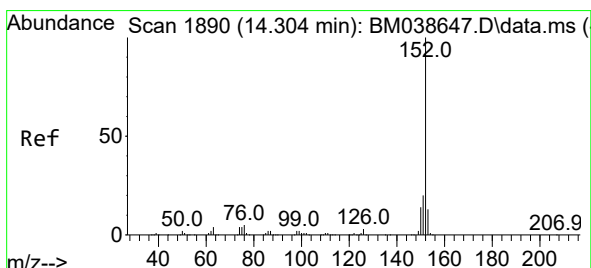
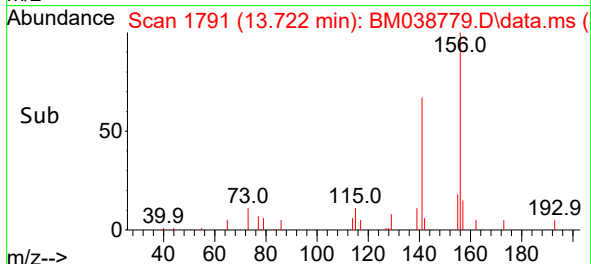
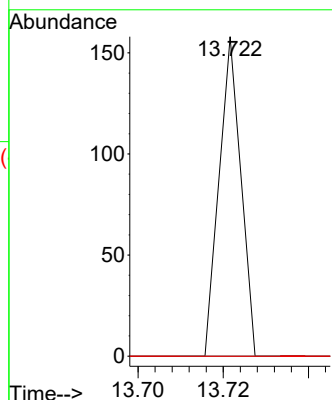
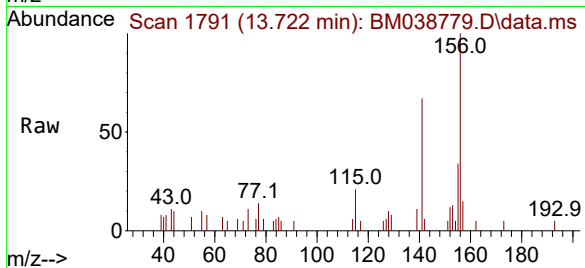
Tgt Ion: 65 Resp: 56

Ion Ratio Lower Upper

65 100

92 0.0 55.9 83.9#

138 0.0 110.6 166.0#



#49

Acenaphthylene

Concen: 2.883 ng

RT: 14.257 min Scan# 1882

Delta R.T. -0.029 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

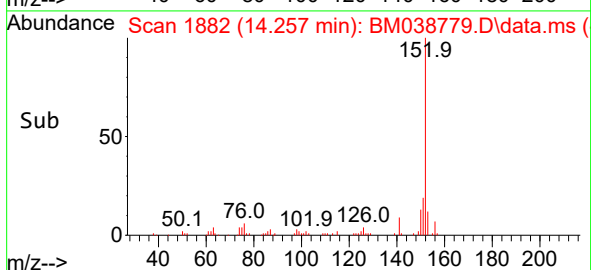
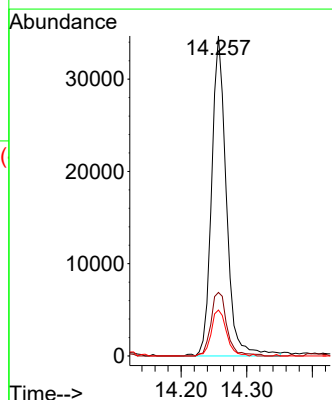
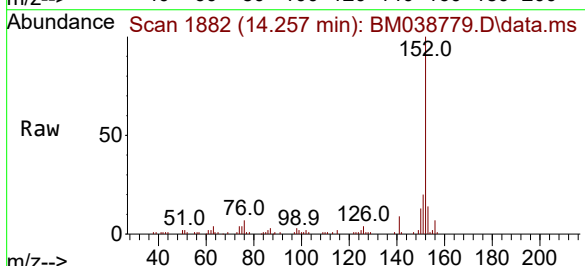
Tgt Ion:152 Resp: 54205

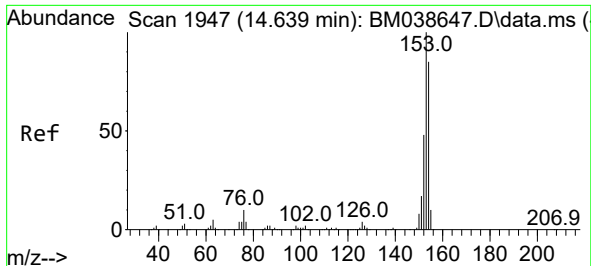
Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

153 14.3 10.0 15.0

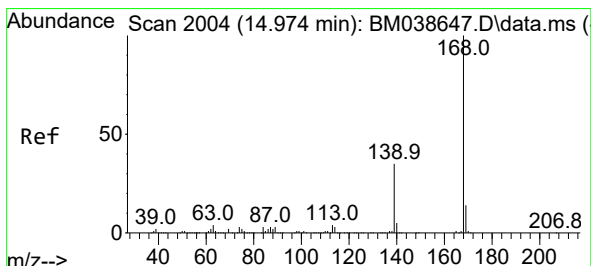
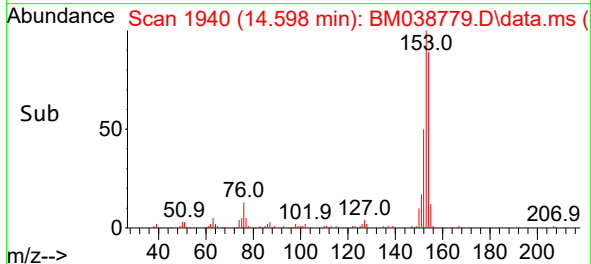
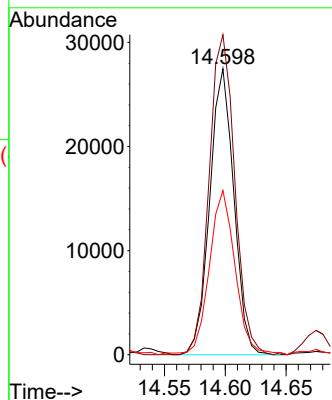
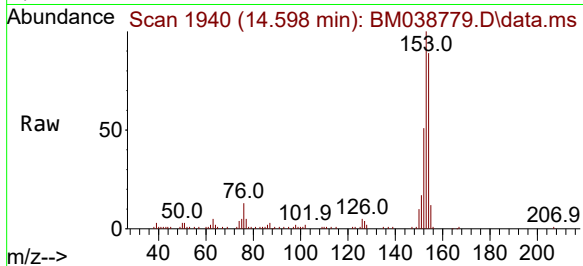




#52
Acenaphthene
Concen: 3.365 ng
RT: 14.598 min Scan# 1940
Delta R.T. -0.029 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

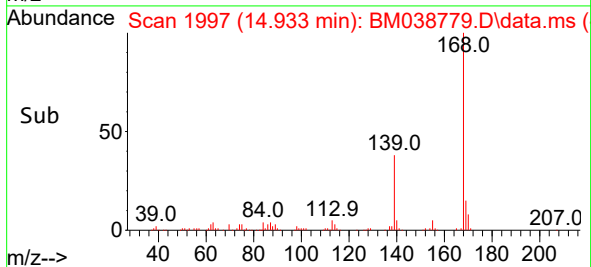
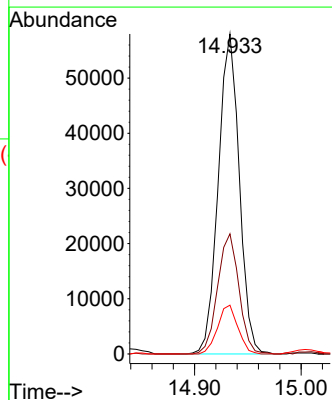
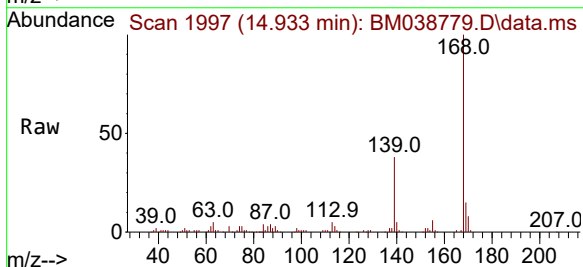
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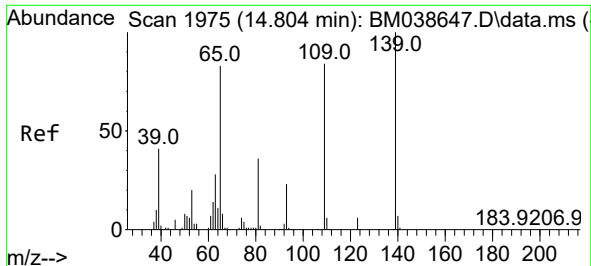
Tgt Ion:154 Resp: 37784
Ion Ratio Lower Upper
154 100
153 111.9 93.7 140.5
152 57.4 44.6 67.0



#55
Dibenzofuran
Concen: 4.100 ng
RT: 14.933 min Scan# 1997
Delta R.T. -0.029 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

Tgt Ion:168 Resp: 79266
Ion Ratio Lower Upper
168 100
139 37.6 27.8 41.6
169 15.3 10.9 16.3

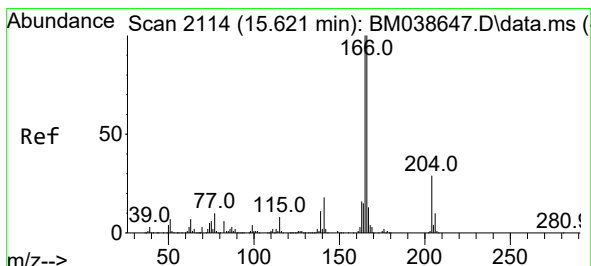
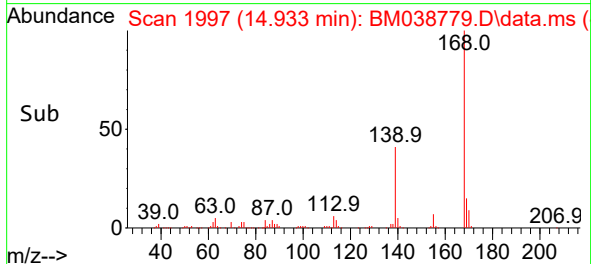
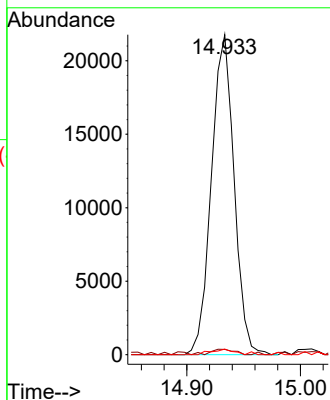
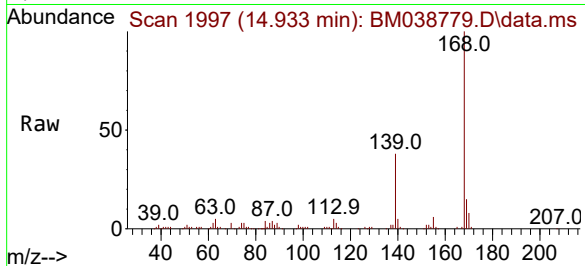




#56
4-Nitrophenol
Concen: 11.865 ng
RT: 14.933 min Scan# 11
Delta R.T. 0.130 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

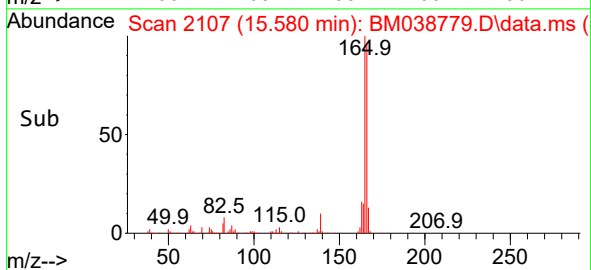
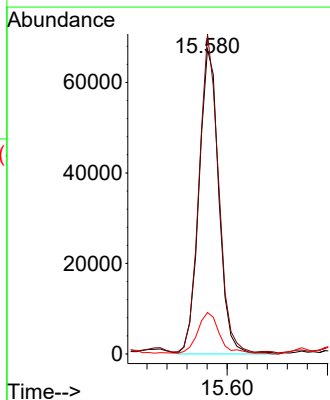
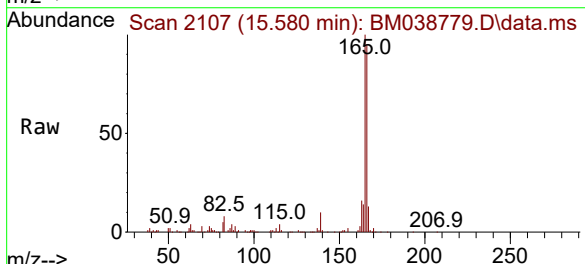
Instrument :
BNA_M
ClientSampleId :
SB-03-0-2.0

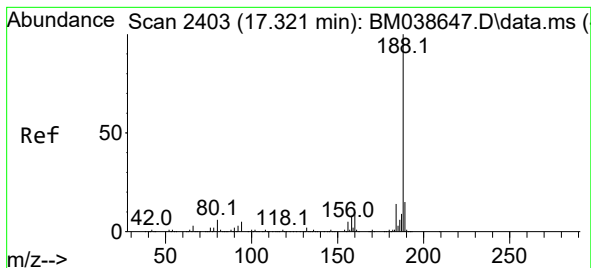
Tgt Ion:139 Resp: 30228
Ion Ratio Lower Upper
139 100
109 1.6 63.8 103.8#
65 1.8 62.5 102.5#



#58
Fluorene
Concen: 6.059 ng
RT: 15.580 min Scan# 2107
Delta R.T. -0.029 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

Tgt Ion:166 Resp: 92693
Ion Ratio Lower Upper
166 100
165 105.0 80.2 120.4
167 13.6 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.286 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

Instrument :

BNA_M

ClientSampleId :

SB-03-0-2.0

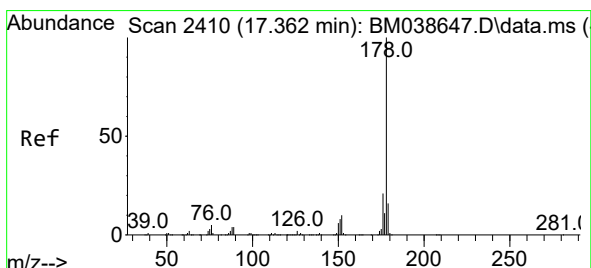
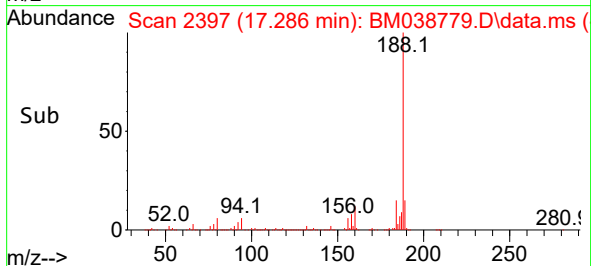
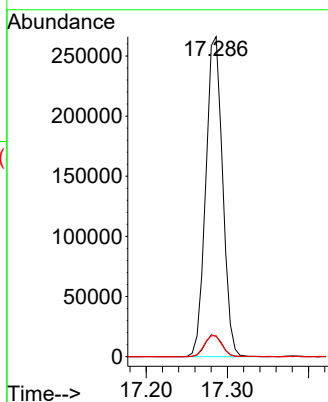
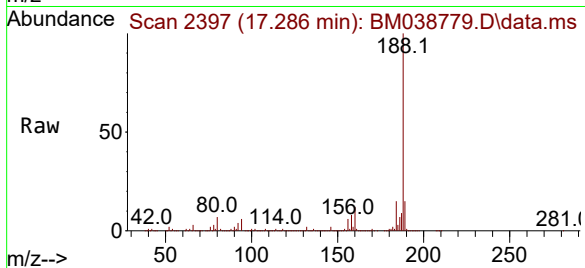
Tgt Ion:188 Resp: 381708

Ion Ratio Lower Upper

188 100

94 6.4 4.2 6.4#

80 6.6 4.6 7.0



#71

Phenanthrene

Concen: 68.830 ng

RT: 17.327 min Scan# 2404

Delta R.T. -0.023 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

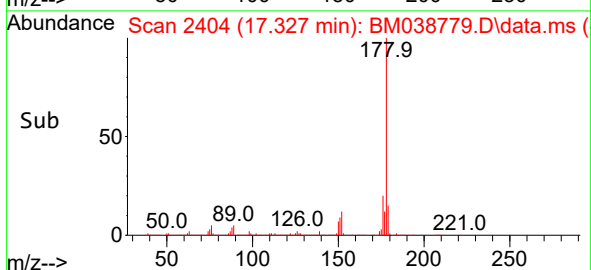
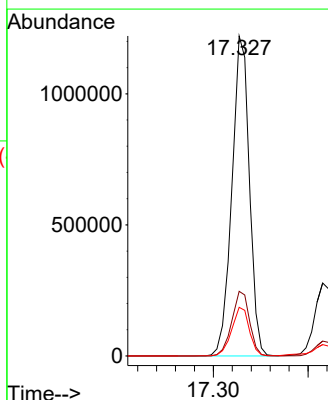
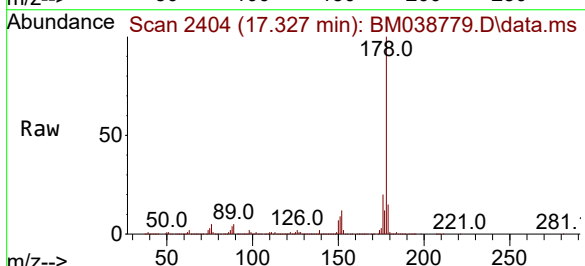
Tgt Ion:178 Resp: 1560015

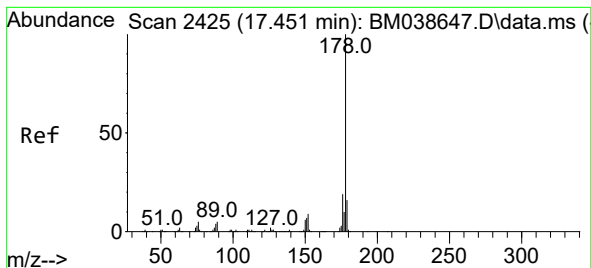
Ion Ratio Lower Upper

178 100

176 20.2 16.7 25.1

179 15.2 12.5 18.7





#72

Anthracene

Concen: 16.259 ng

RT: 17.415 min Scan# 2419

Delta R.T. -0.023 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

Instrument :

BNA_M

ClientSampleId :

SB-03-0-2.0

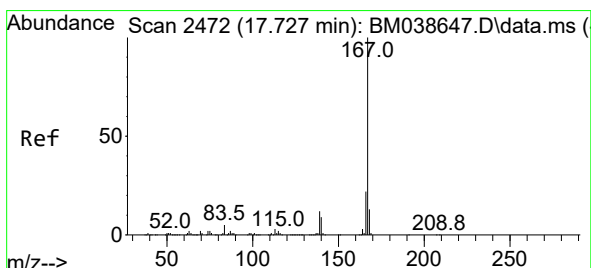
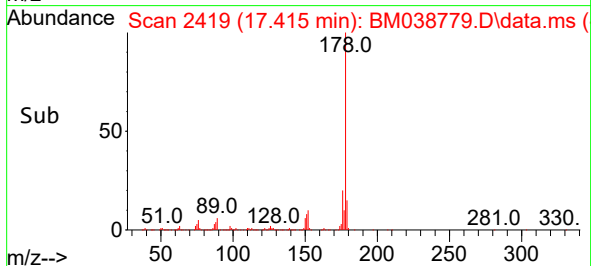
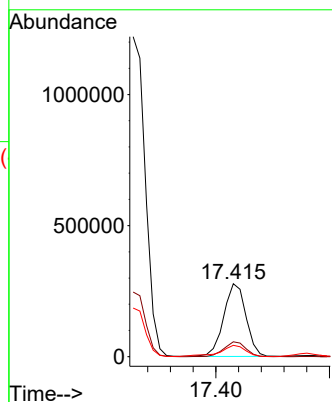
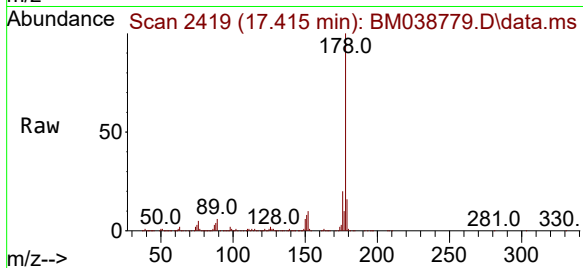
Tgt Ion:178 Resp: 376979

Ion Ratio Lower Upper

178 100

176 20.3 15.6 23.4

179 15.6 12.4 18.6



#73

Carbazole

Concen: 3.663 ng

RT: 17.692 min Scan# 2466

Delta R.T. -0.029 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

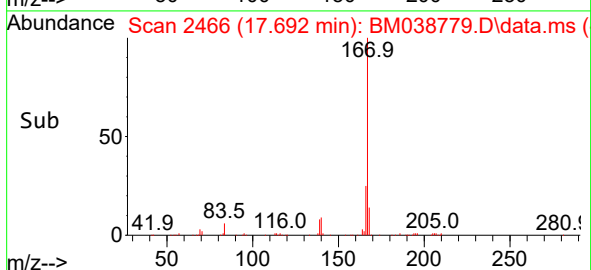
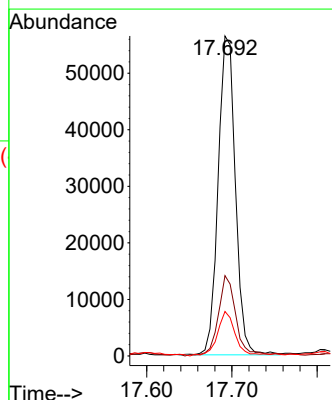
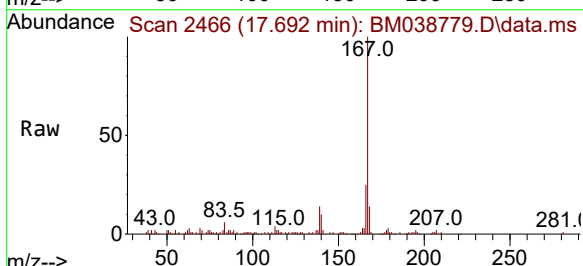
Tgt Ion:167 Resp: 79204

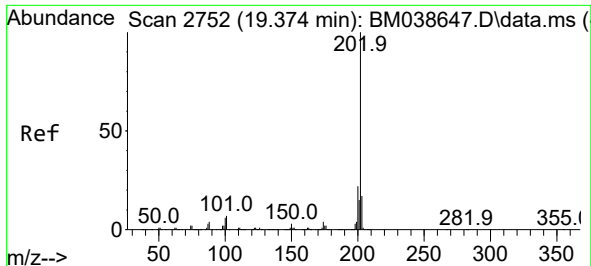
Ion Ratio Lower Upper

167 100

166 25.1 17.8 26.6

139 13.9 9.4 14.2

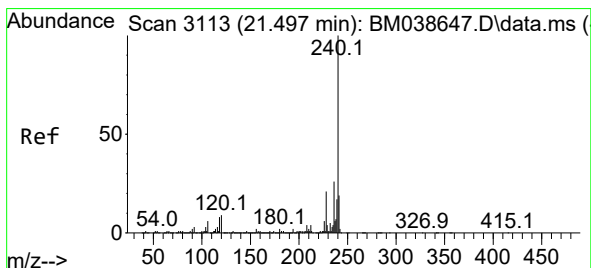
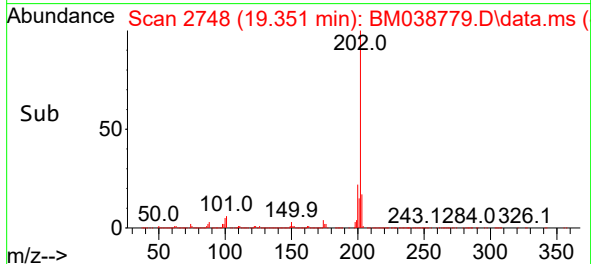
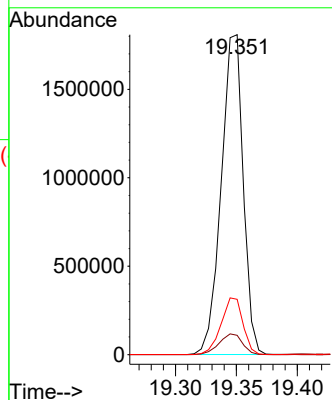
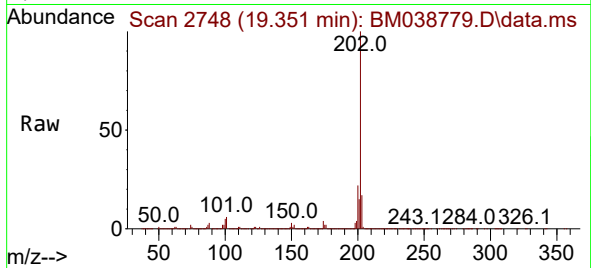




#75
Fluoranthene
Concen: 95.649 ng
RT: 19.351 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

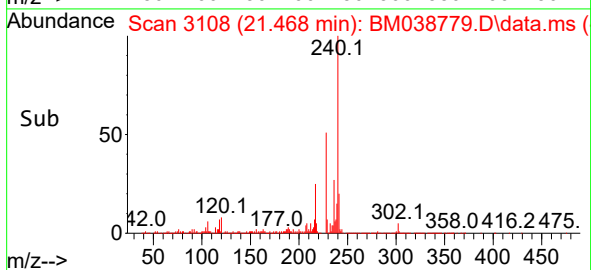
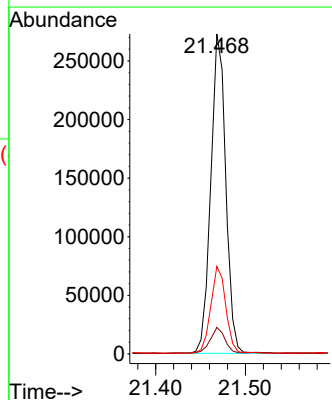
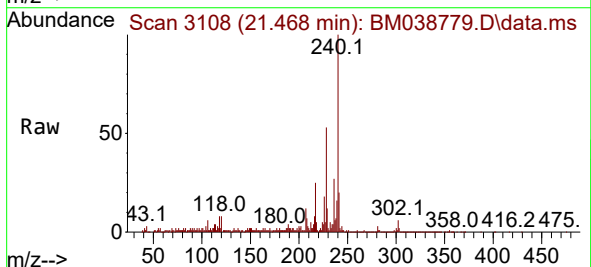
Instrument :
BNA_M
ClientSampleId :
SB-03-0-2.0

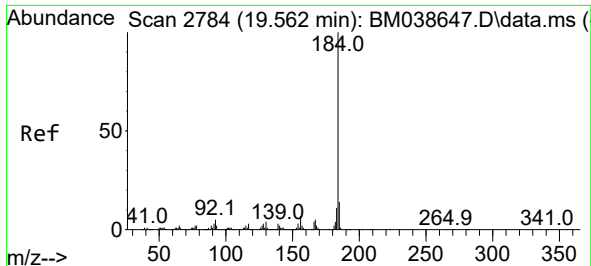
Tgt Ion:202 Resp: 2276147
Ion Ratio Lower Upper
202 100
101 6.0 0.0 27.4
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.468 min Scan# 3108
Delta R.T. -0.023 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

Tgt Ion:240 Resp: 315851
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.4
236 27.3 20.9 31.3

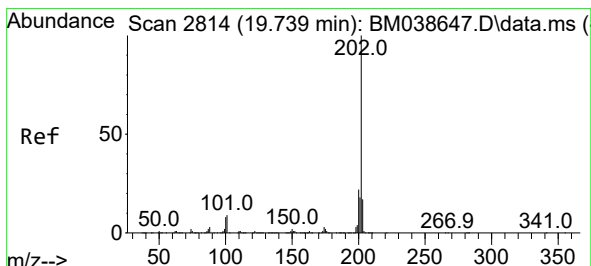
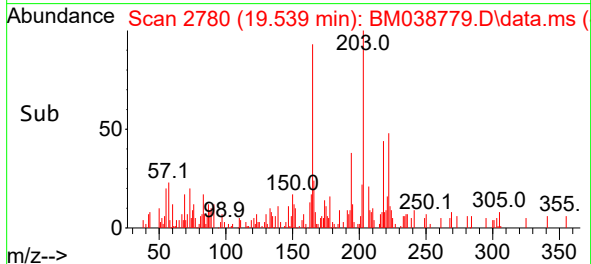
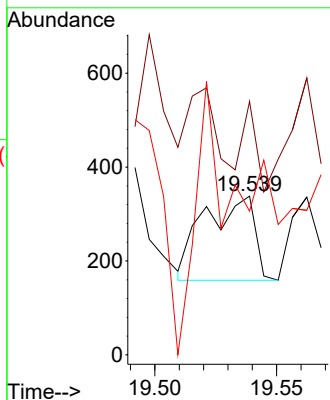
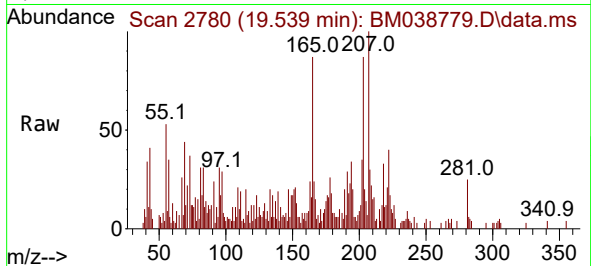




#77
Benzidine
Concen: 3.139 ng
RT: 19.539 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

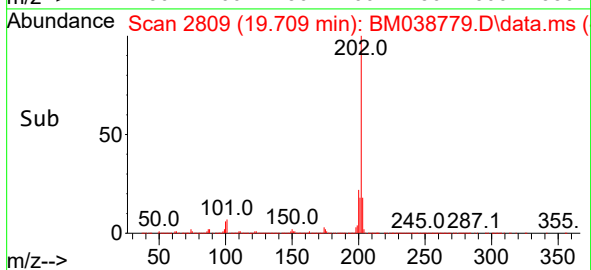
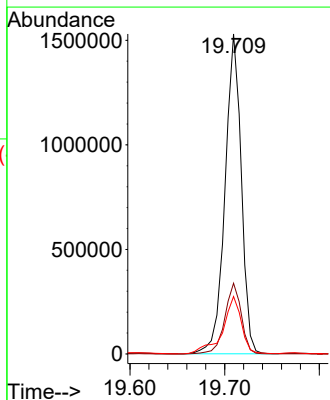
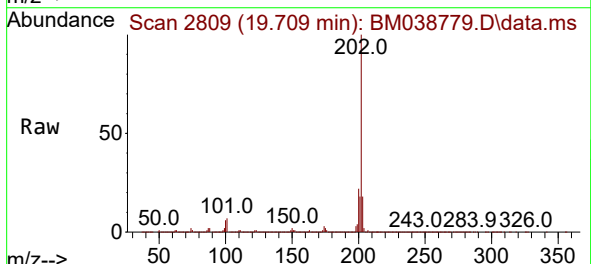
Instrument :
BNA_M
ClientSampleId :
SB-03-0-2.0

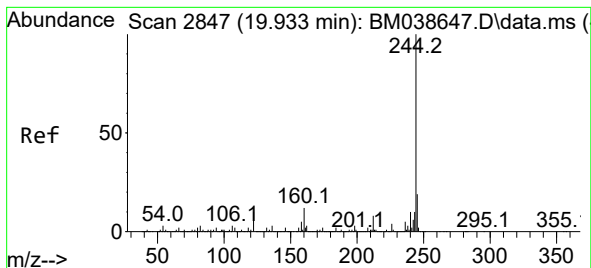
Tgt Ion:184 Resp: 256
Ion Ratio Lower Upper
184 100
185 159.8 10.8 16.2#
183 90.5 8.8 13.2#



#78
Pyrene
Concen: 75.095 ng
RT: 19.709 min Scan# 2809
Delta R.T. -0.018 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

Tgt Ion:202 Resp: 1826123
Ion Ratio Lower Upper
202 100
200 22.1 17.8 26.6
203 17.9 13.5 20.3





#79

Terphenyl-d14

Concen: 83.888 ng

RT: 19.909 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

Instrument :

BNA_M

ClientSampleId :

SB-03-0-2.0

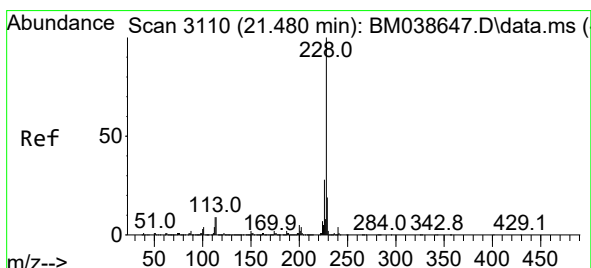
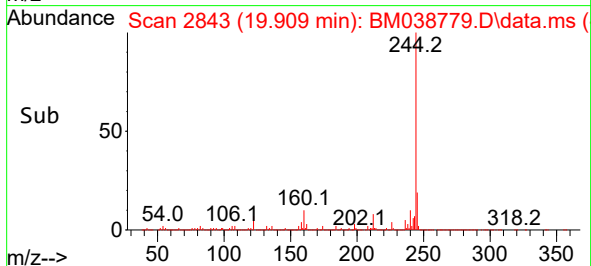
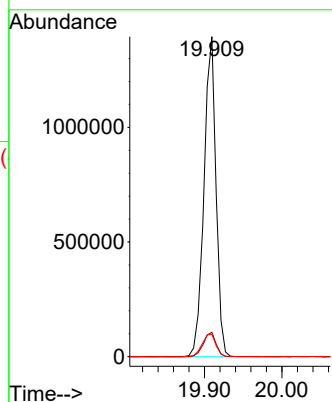
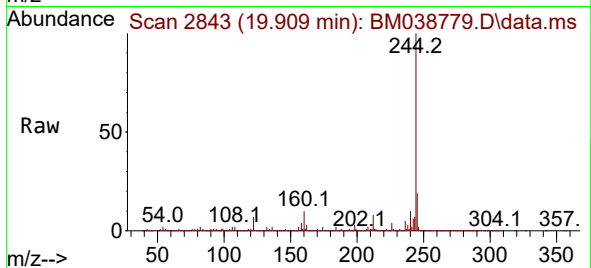
Tgt Ion:244 Resp: 1501479

Ion Ratio Lower Upper

244 100

212 7.6 6.6 9.8

122 7.0 7.8 11.8#



#81

Benzo(a)anthracene

Concen: 36.246 ng

RT: 21.456 min Scan# 3106

Delta R.T. -0.018 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

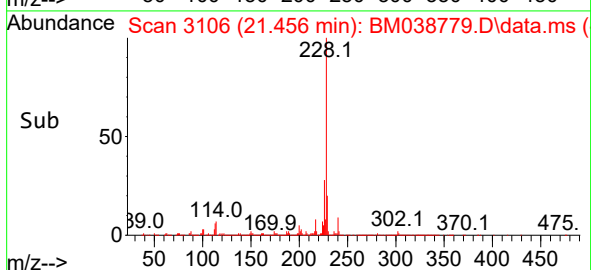
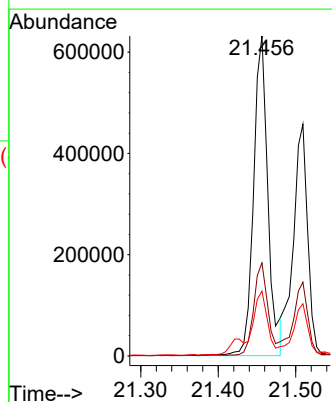
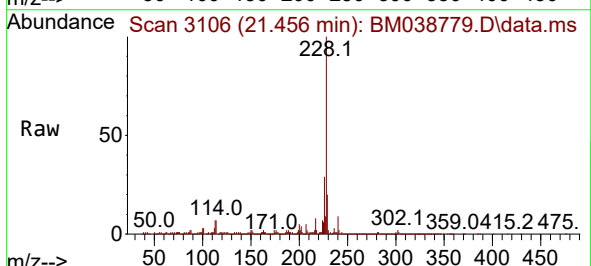
Tgt Ion:228 Resp: 809823

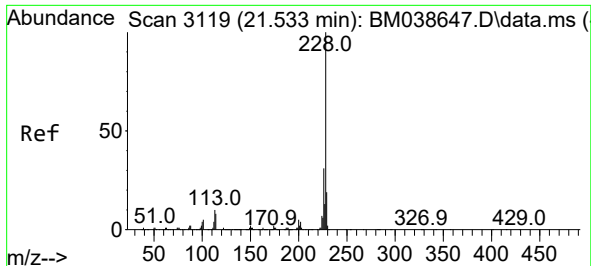
Ion Ratio Lower Upper

228 100

226 29.1 22.2 33.4

229 20.3 15.5 23.3

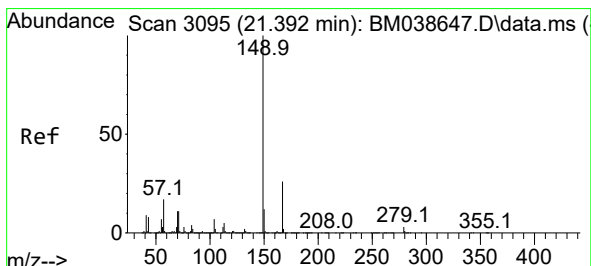
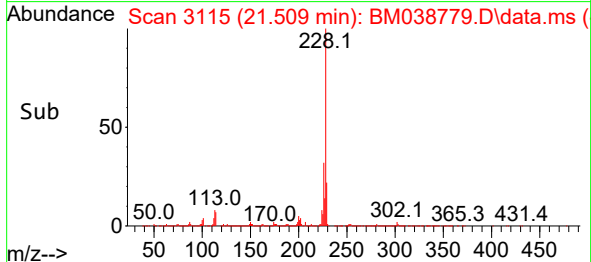
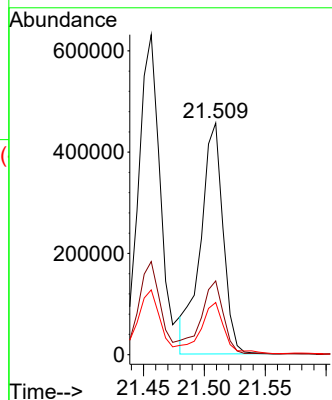
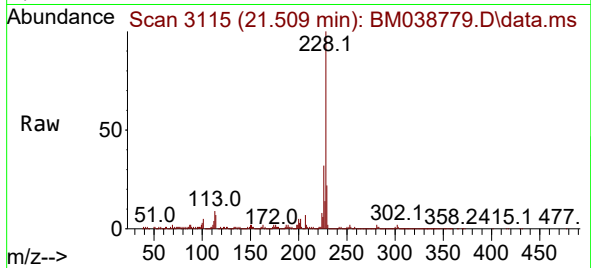




#83
Chrysene
Concen: 27.220 ng
RT: 21.509 min Scan# 3115
Delta R.T. -0.018 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

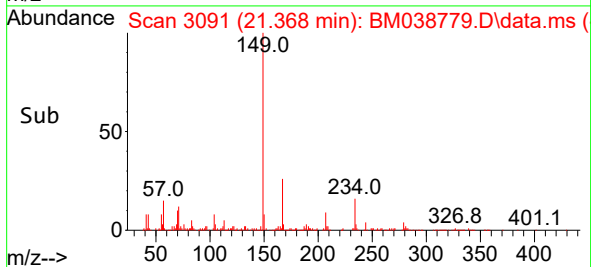
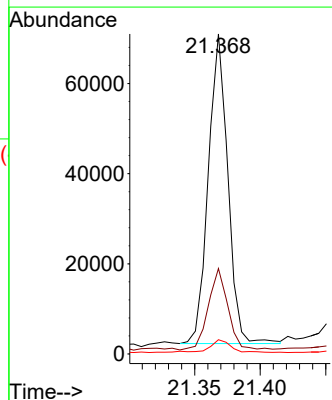
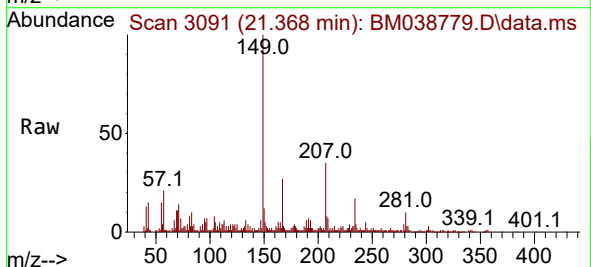
Instrument :
BNA_M
ClientSampleId :
SB-03-0-2.0

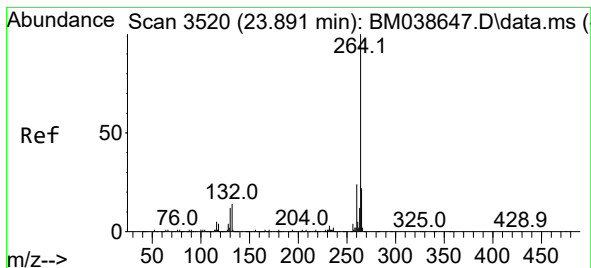
Tgt Ion:228 Resp: 585964
Ion Ratio Lower Upper
228 100
226 31.9 24.7 37.1
229 22.5 15.5 23.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.401 ng
RT: 21.368 min Scan# 3091
Delta R.T. -0.018 min
Lab File: BM038779.D
Acq: 17 Feb 2023 17:57

Tgt Ion:149 Resp: 71015
Ion Ratio Lower Upper
149 100
167 26.7 20.8 31.2
279 4.4 2.5 3.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.862 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

Instrument :

BNA_M

ClientSampleId :

SB-03-0-2.0

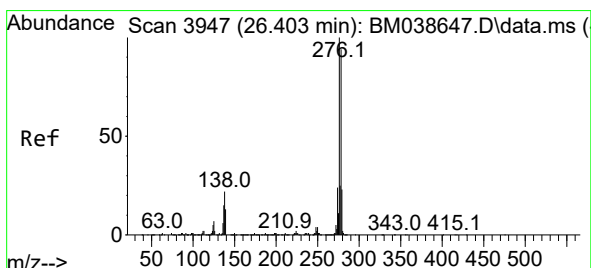
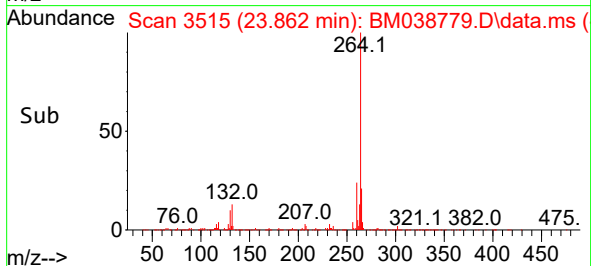
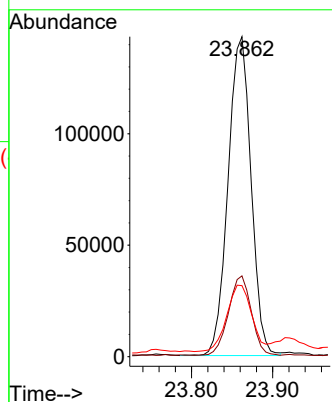
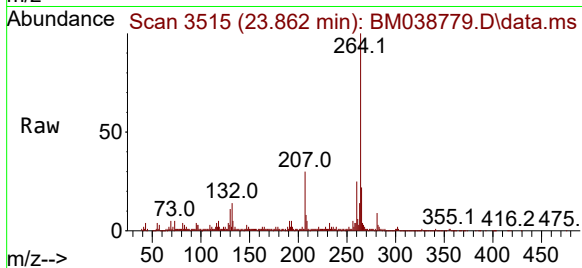
Tgt Ion:264 Resp: 281490

Ion Ratio Lower Upper

264 100

260 25.2 19.6 29.4

265 22.2 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.349 ng

RT: 26.338 min Scan# 3936

Delta R.T. -0.041 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

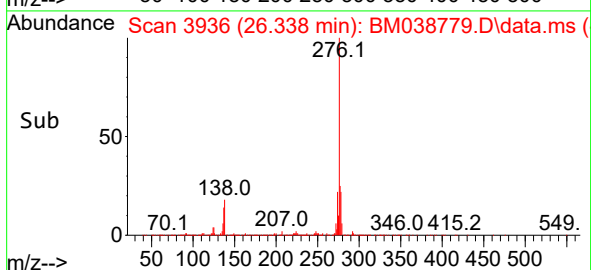
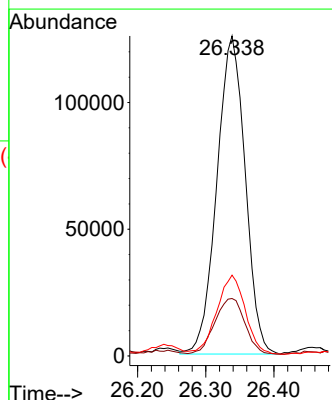
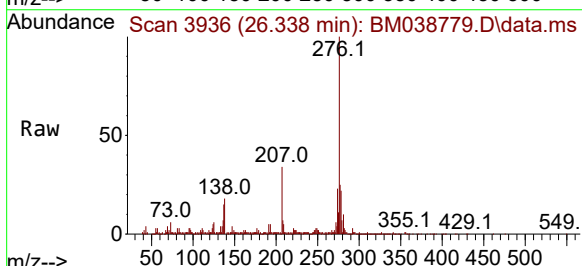
Tgt Ion:276 Resp: 362492

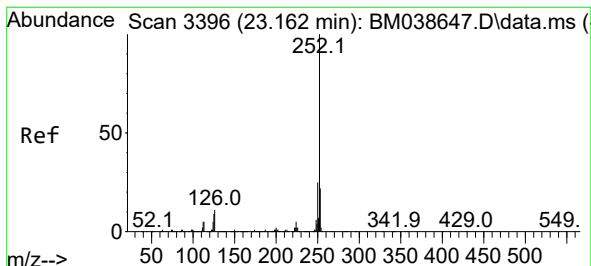
Ion Ratio Lower Upper

276 100

138 18.7 17.2 25.8

277 24.9 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 43.981 ng

RT: 23.133 min Scan# 3391

Delta R.T. -0.018 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

Instrument :

BNA_M

ClientSampleId :

SB-03-0-2.0

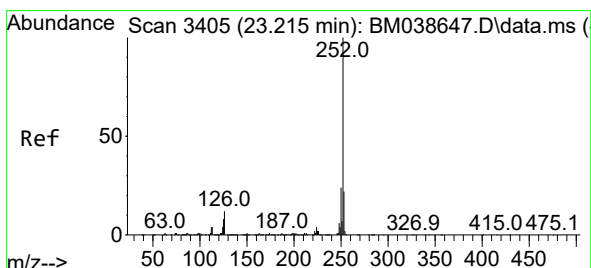
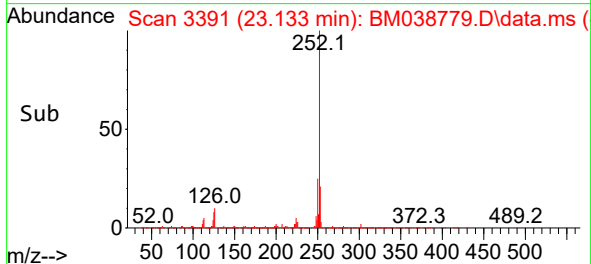
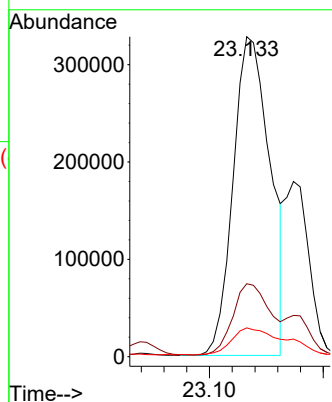
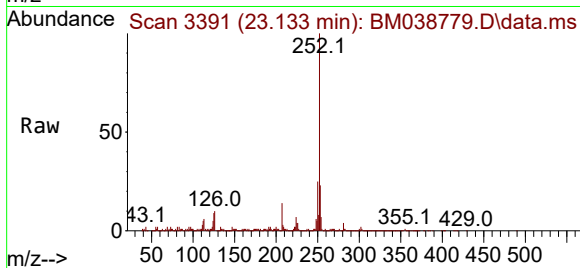
Tgt Ion:252 Resp: 741525

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 9.0 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 43.311 ng

RT: 23.133 min Scan# 3391

Delta R.T. -0.065 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

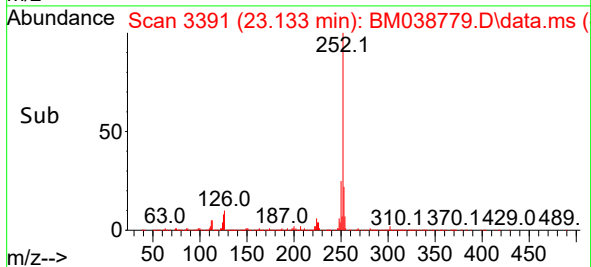
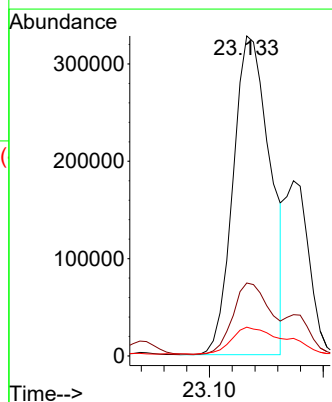
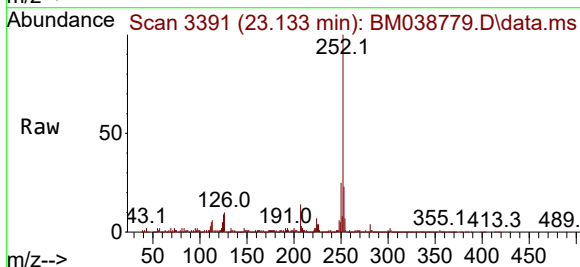
Tgt Ion:252 Resp: 741525

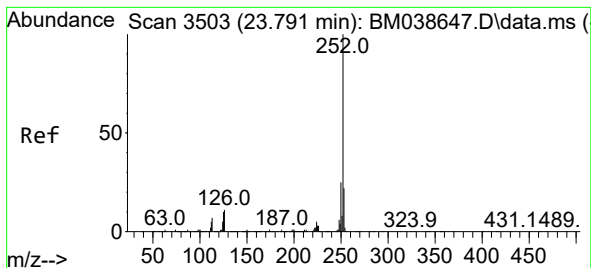
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 9.0 6.6 9.8





#90

Benzo(a)pyrene

Concen: 32.389 ng

RT: 23.756 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

Instrument :

BNA_M

ClientSampleId :

SB-03-0-2.0

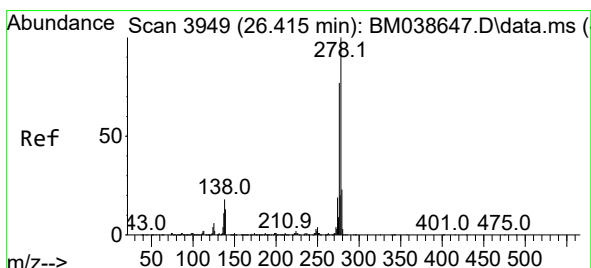
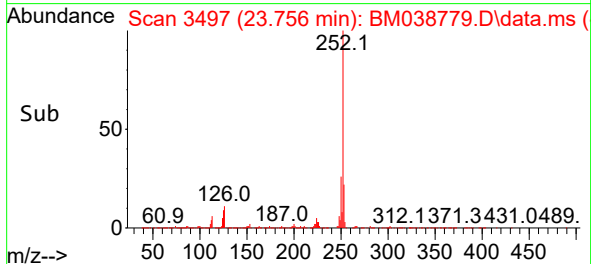
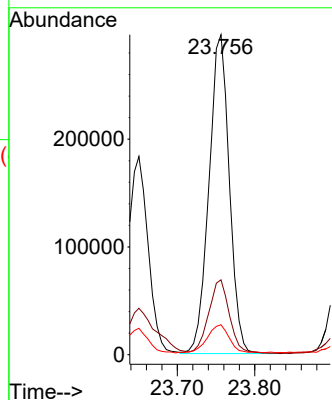
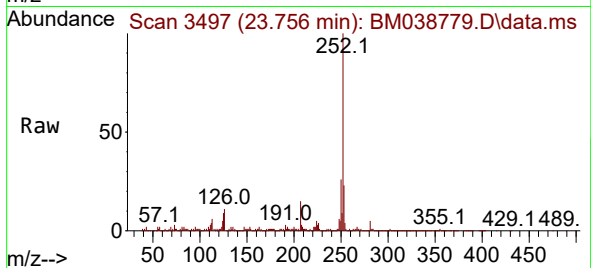
Tgt Ion:252 Resp: 540034

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 9.4 7.8 11.8



#91

Dibenzo(a,h)anthracene

Concen: 4.994 ng

RT: 26.338 min Scan# 3936

Delta R.T. -0.047 min

Lab File: BM038779.D

Acq: 17 Feb 2023 17:57

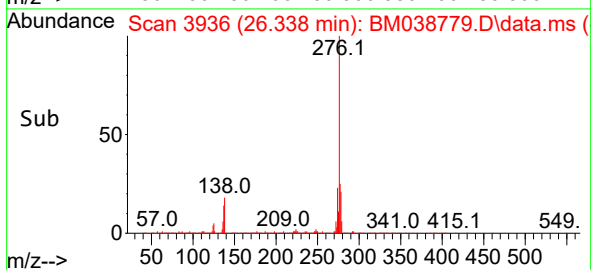
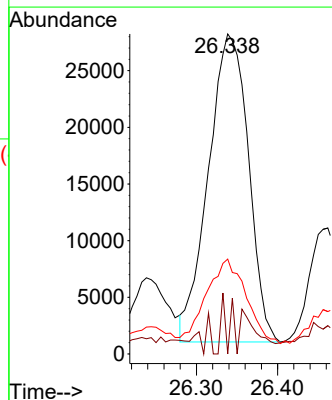
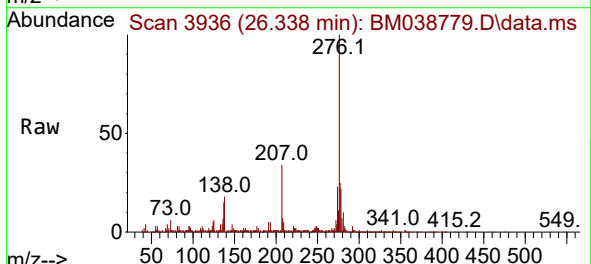
Tgt Ion:278 Resp: 93166

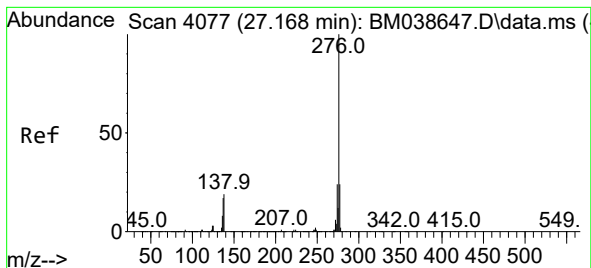
Ion Ratio Lower Upper

278 100

139 0.0 10.5 15.7#

279 29.7 18.7 28.1#





#92

Benzo(g,h,i)perylene

Concen: 18.040 ng

RT: 27.109 min Scan# 40

Delta R.T. -0.035 min

Lab File: BM038779.D

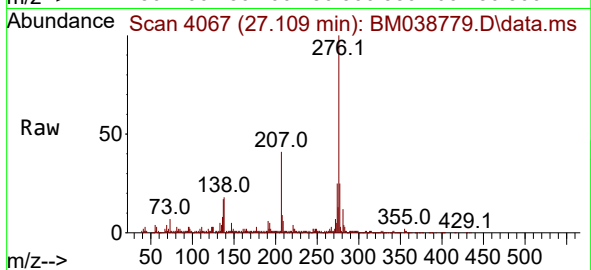
Acq: 17 Feb 2023 17:57

Instrument :

BNA_M

ClientSampleId :

SB-03-0-2.0



Tgt Ion:276 Resp: 340158

Ion Ratio Lower Upper

276 100

277 24.9 19.1 28.7

138 18.1 15.3 22.9

