

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080422\
 Data File : BM036109.D
 Acq On : 04 Aug 2022 21:36
 Operator : CG/JU
 Sample : N4023-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP2-1-6

Quant Time: Aug 05 03:41:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 03:36:25 2022
 Response via : Initial Calibration

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

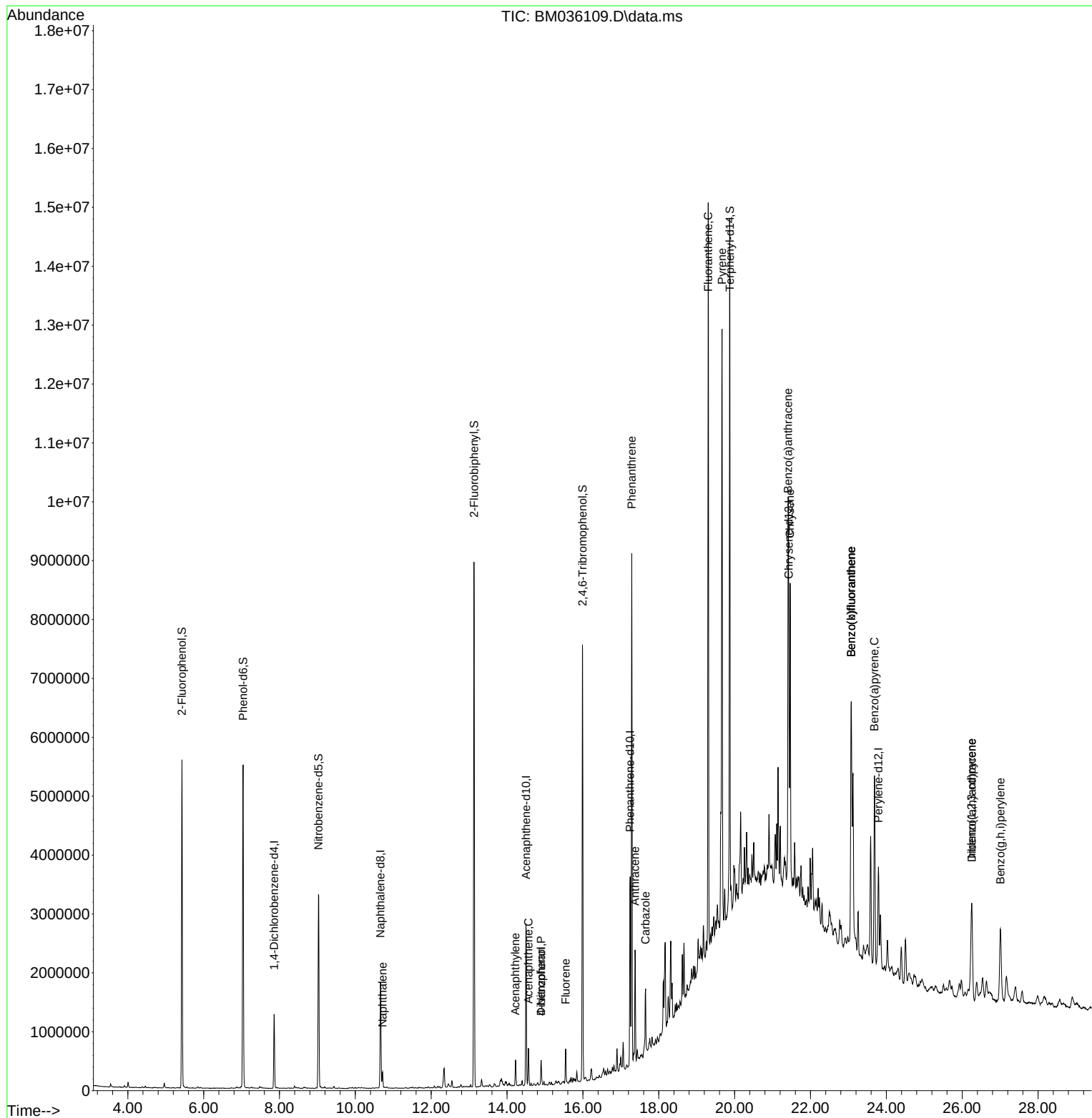
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	339786	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1498862	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	940864	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	1894019	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1232283	20.000	ng	0.00
86) Perylene-d12	23.792	264	1180287	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	2414662	115.214	ng	0.00
7) Phenol-d6	7.040	99	3140809	117.776	ng	0.00
23) Nitrobenzene-d5	9.028	82	1911259	71.378	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	1365230	123.689	ng	0.00
45) 2-Fluorobiphenyl	13.128	172	4459816	69.987	ng	0.00
79) Terphenyl-d14	19.874	244	5687151	91.031	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.716	128	221192	2.968	ng	99
49) Acenaphthylene	14.222	152	319014	3.933	ng	99
52) Acenaphthene	14.563	154	216312	4.076	ng	98
55) Dibenzofuran	14.898	168	238079	2.996	ng	98
56) 4-Nitrophenol	14.898	139	90191	7.525	ng	# 5
58) Fluorene	15.545	166	263945	4.211	ng	98
71) Phenanthrene	17.286	178	4938290	51.177	ng	99
72) Anthracene	17.374	178	1153365	12.346	ng	99
73) Carbazole	17.651	167	671109	7.090	ng	99
75) Fluoranthene	19.304	202	7290815	67.500	ng	98
78) Pyrene	19.668	202	6283170	82.226	ng	98
81) Benzo(a)anthracene	21.409	228	2847078	37.510	ng	98
83) Chrysene	21.462	228	2728333	37.814	ng	97
87) Indeno(1,2,3-cd)pyrene	26.250	276	1650596	19.900	ng	97
88) Benzo(b)fluoranthene	23.074	252	3276463	47.381	ng	# 96
89) Benzo(k)fluoranthene	23.074	252	3276463	46.911	ng	# 96
90) Benzo(a)pyrene	23.686	252	2360228	40.679	ng	96
91) Dibenzo(a,h)anthracene	26.256	278	432182	6.225	ng	# 90
92) Benzo(g,h,i)perylene	27.009	276	1595427	23.737	ng	99

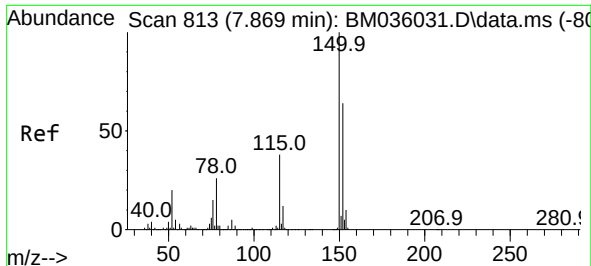
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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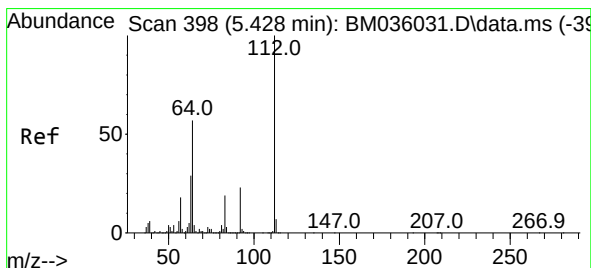
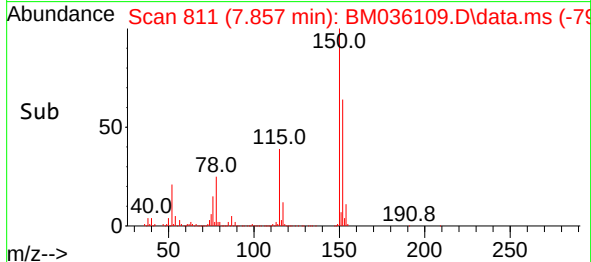
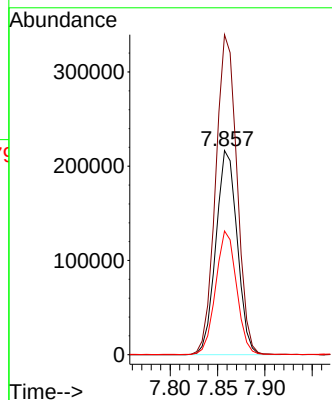
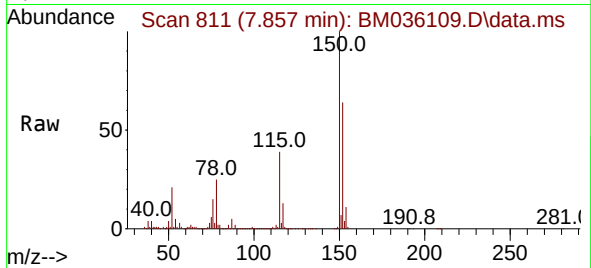




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

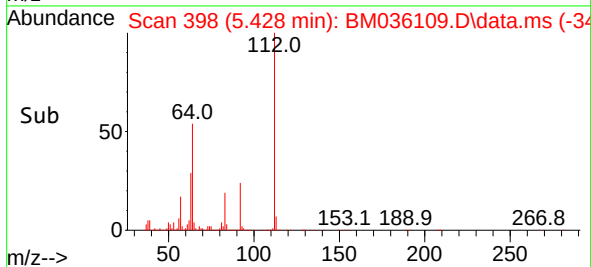
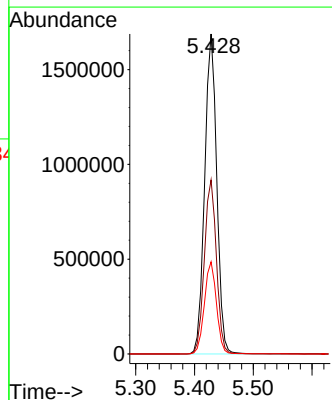
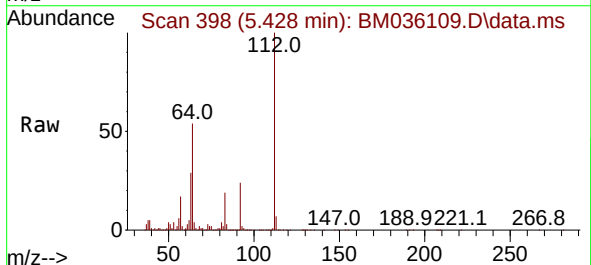
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BNA_M
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TP2-1-6

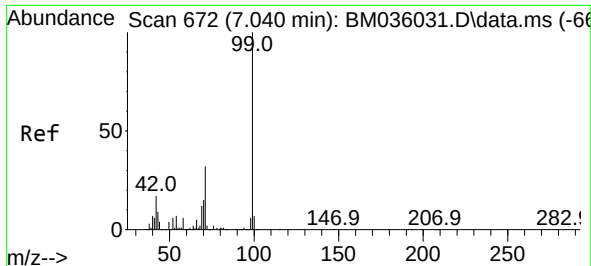
Tgt Ion:152 Resp: 339786
Ion Ratio Lower Upper
152 100
150 156.8 124.9 187.3
115 60.6 47.9 71.9



#5
2-Fluorophenol
Concen: 115.214 ng
RT: 5.428 min Scan# 398
Delta R.T. 0.006 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

Tgt Ion:112 Resp: 2414662
Ion Ratio Lower Upper
112 100
64 54.4 47.8 71.6
63 28.8 26.6 40.0

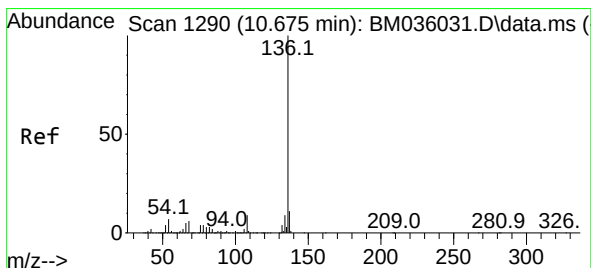
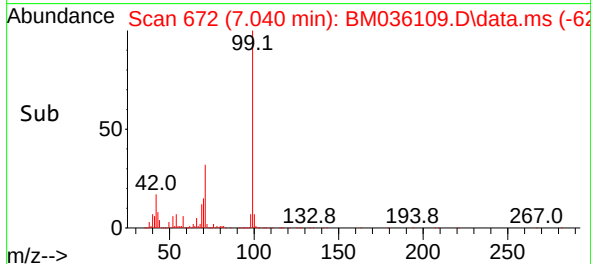
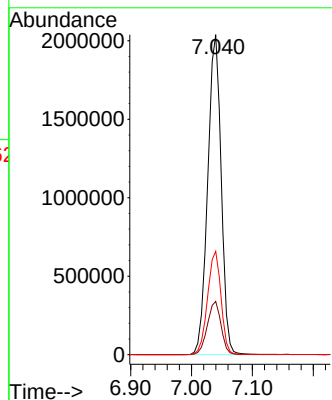
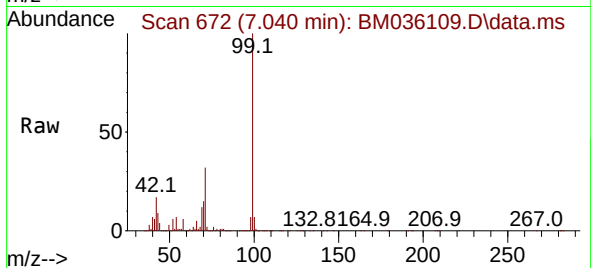




#7
Phenol-d6
Concen: 117.776 ng
RT: 7.040 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

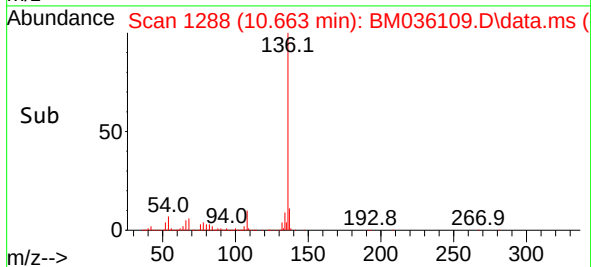
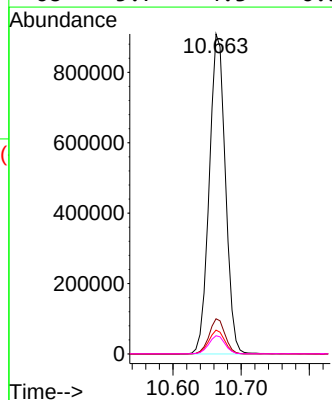
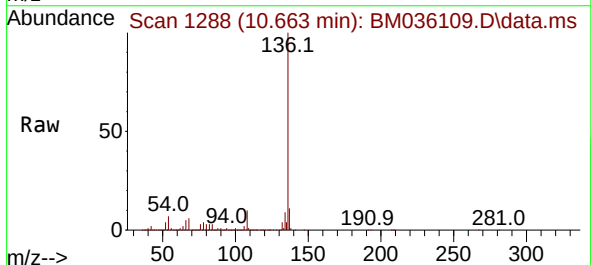
Instrument :
BNA_M
ClientSampleId :
TP2-1-6

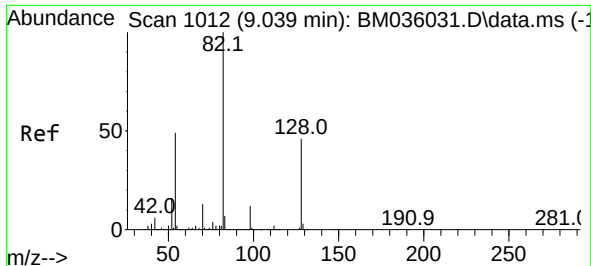
Tgt Ion: 99 Resp: 3140809
Ion Ratio Lower Upper
99 100
42 16.6 18.8 28.2#
71 32.3 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

Tgt Ion: 136 Resp: 1498862
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.5 7.0 10.4
68 5.7 4.3 6.5

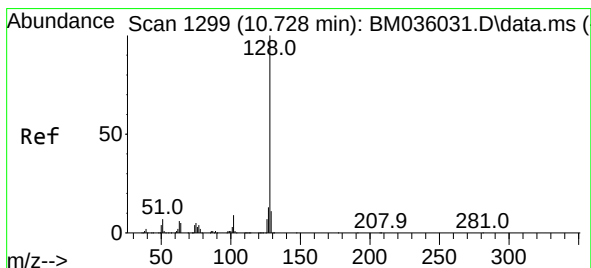
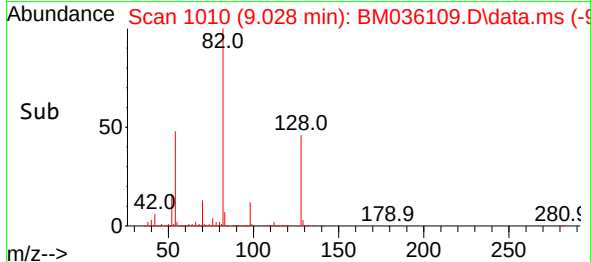
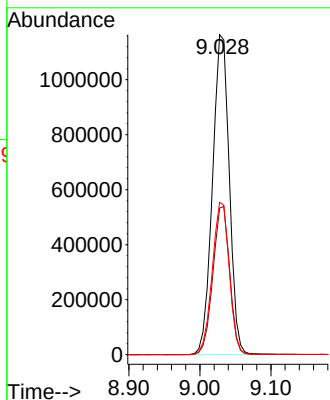
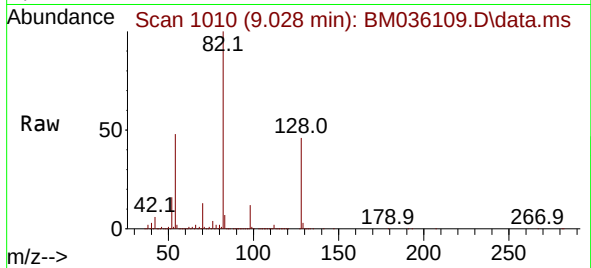




#23
Nitrobenzene-d5
Concen: 71.378 ng
RT: 9.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

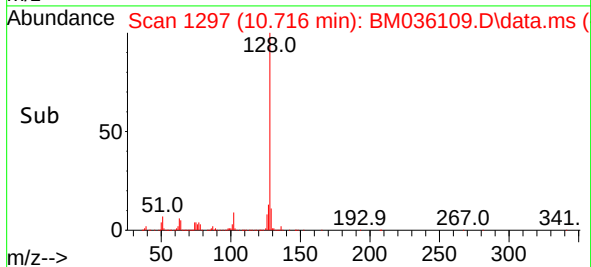
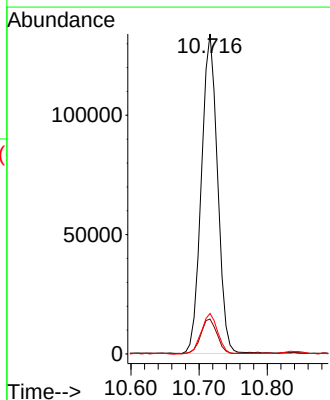
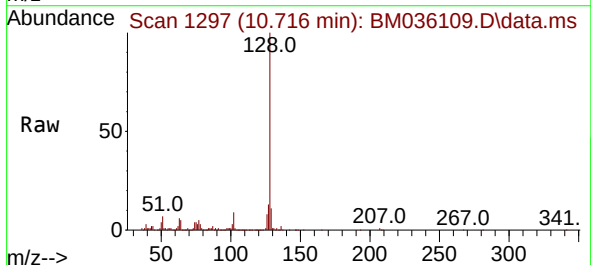
Instrument :
BNA_M
ClientSampleId :
TP2-1-6

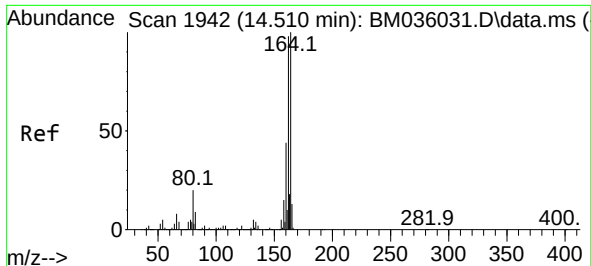
Tgt Ion: 82 Resp: 1911259
Ion Ratio Lower Upper
82 100
128 45.8 33.7 50.5
54 47.6 43.2 64.8



#31
Naphthalene
Concen: 2.968 ng
RT: 10.716 min Scan# 1297
Delta R.T. 0.000 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

Tgt Ion: 128 Resp: 221192
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 12.7 10.6 16.0

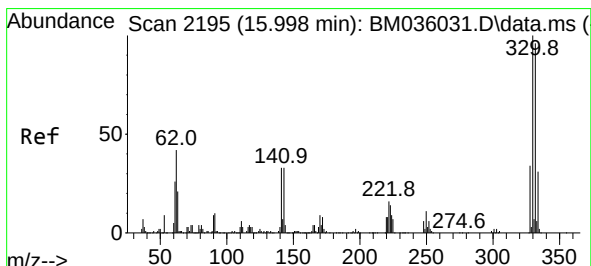
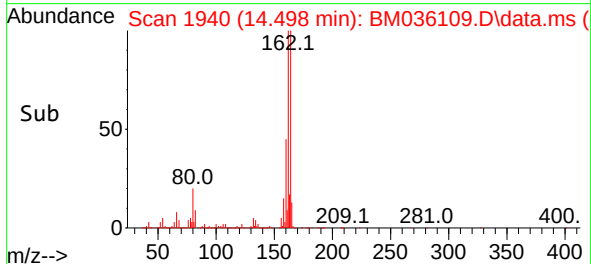
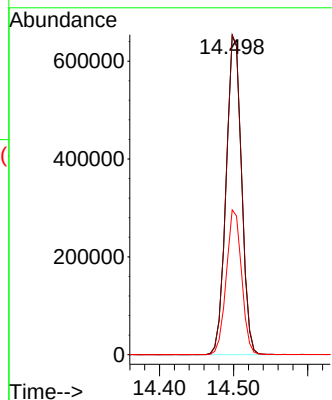
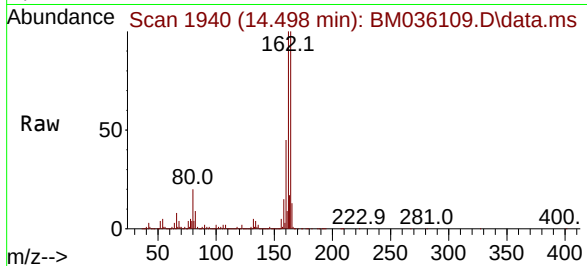




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

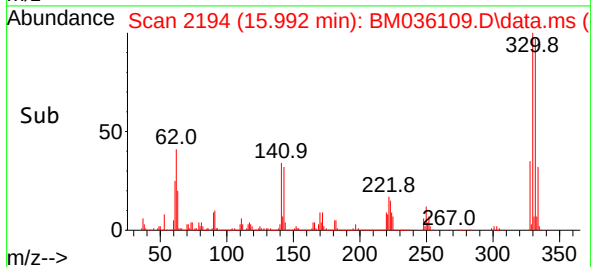
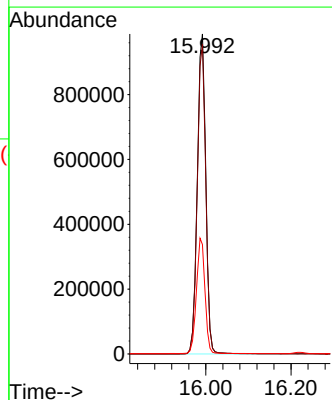
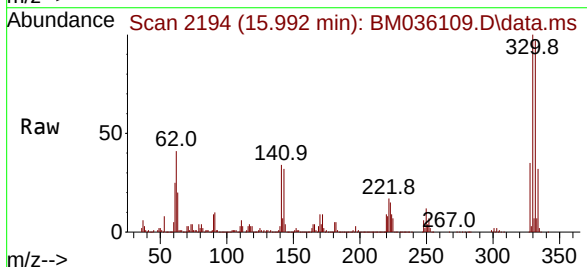
Instrument :
BNA_M
ClientSampleId :
TP2-1-6

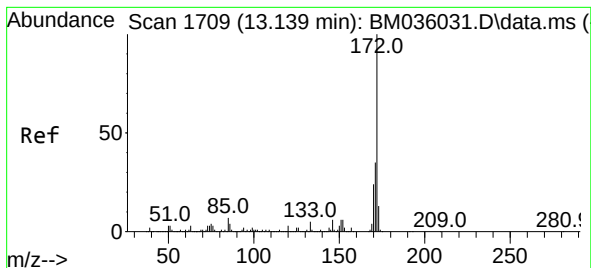
Tgt Ion:164 Resp: 940864
Ion Ratio Lower Upper
164 100
162 100.4 83.0 124.6
160 45.4 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 123.689 ng
RT: 15.992 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

Tgt Ion:330 Resp: 1365230
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 36.3 35.3 52.9





#45

2-Fluorobiphenyl

Concen: 69.987 ng

RT: 13.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM036109.D

Acq: 04 Aug 2022 21:36

Instrument :

BNA_M

ClientSampleId :

TP2-1-6

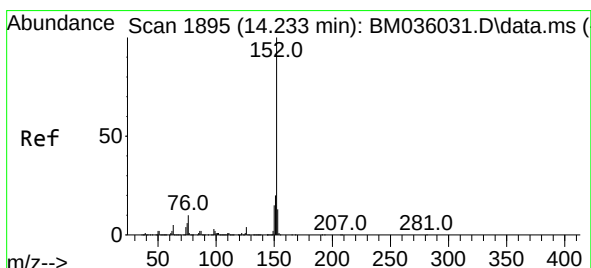
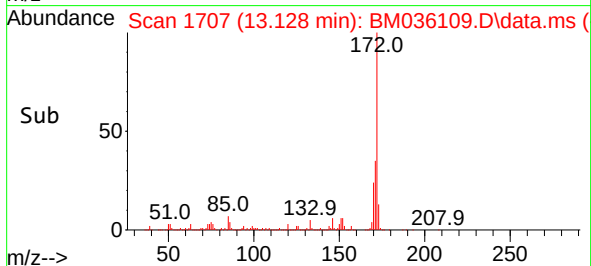
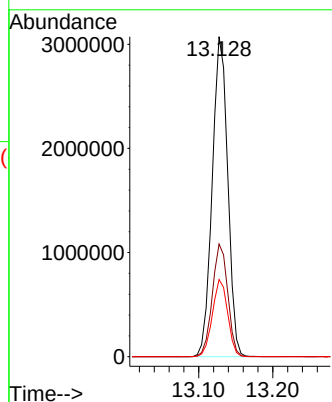
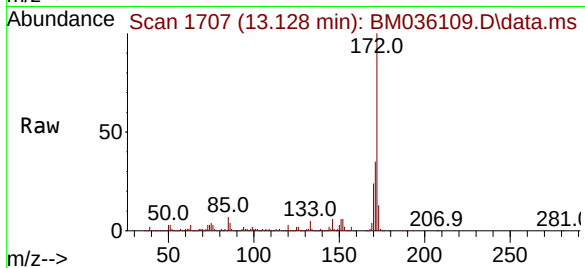
Tgt Ion:172 Resp: 4459816

Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 24.1 18.7 28.1



#49

Acenaphthylene

Concen: 3.933 ng

RT: 14.222 min Scan# 1893

Delta R.T. 0.000 min

Lab File: BM036109.D

Acq: 04 Aug 2022 21:36

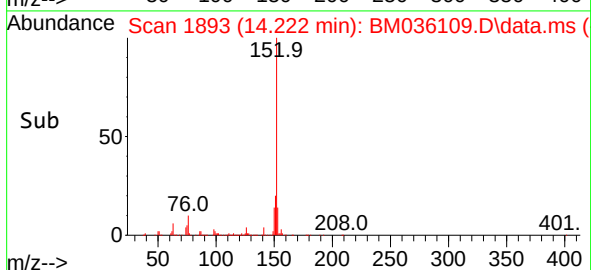
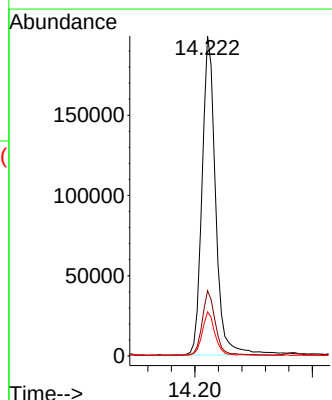
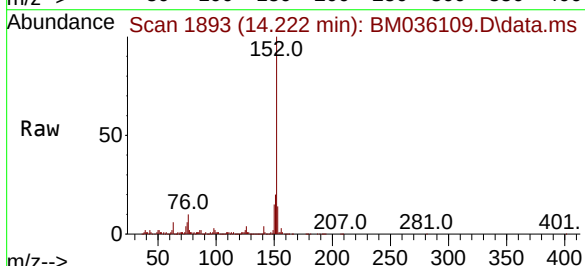
Tgt Ion:152 Resp: 319014

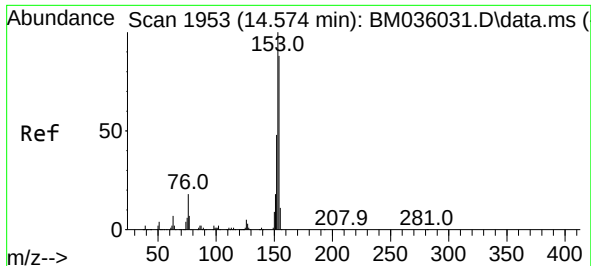
Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 13.7 10.5 15.7

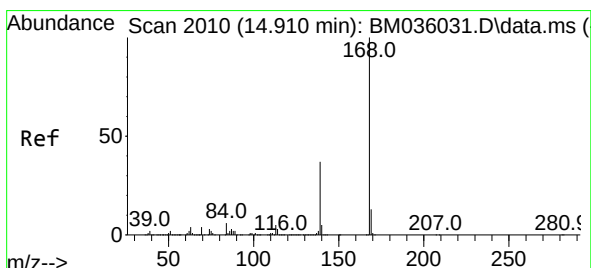
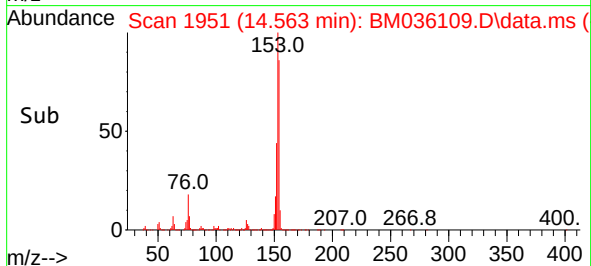
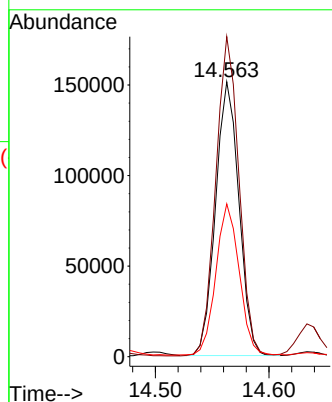
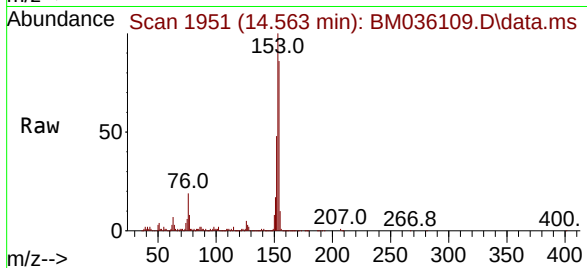




#52
Acenaphthene
Concen: 4.076 ng
RT: 14.563 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

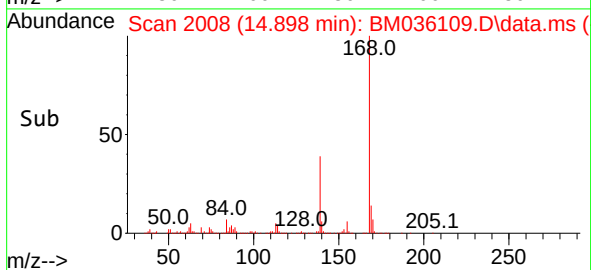
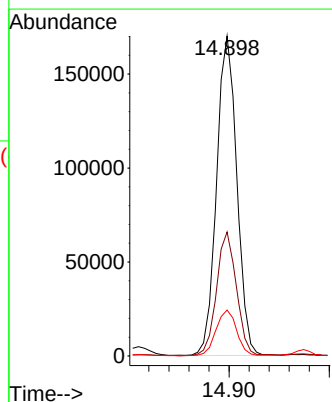
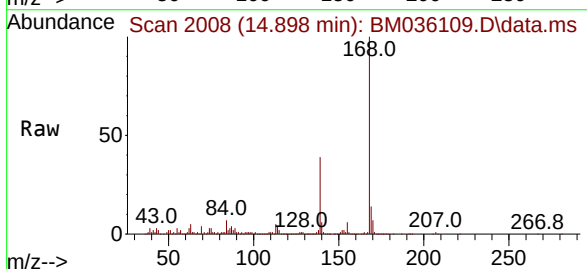
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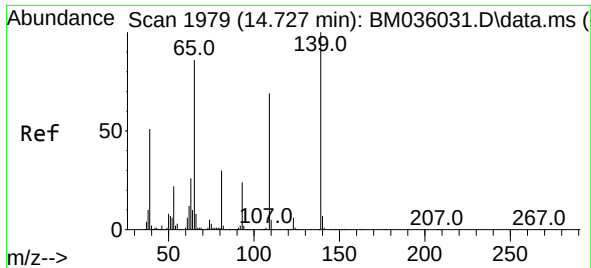
Tgt Ion:154 Resp: 216312
Ion Ratio Lower Upper
154 100
153 116.4 91.0 136.6
152 55.6 43.4 65.2



#55
Dibenzofuran
Concen: 2.996 ng
RT: 14.898 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

Tgt Ion:168 Resp: 238079
Ion Ratio Lower Upper
168 100
139 38.7 32.2 48.2
169 14.3 10.6 16.0

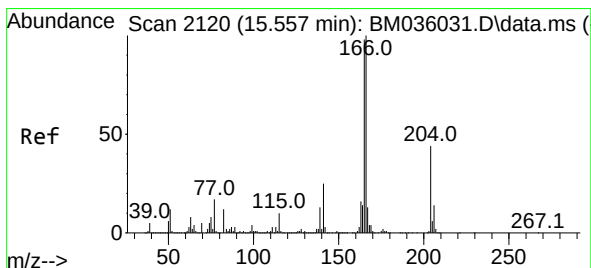
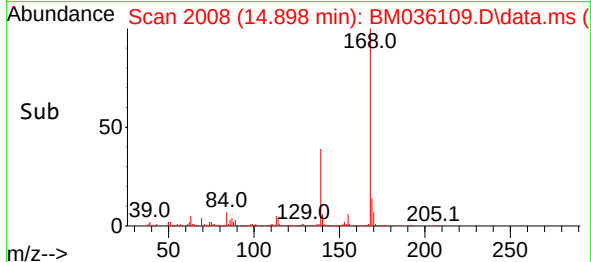
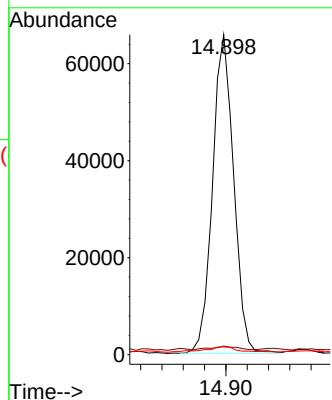
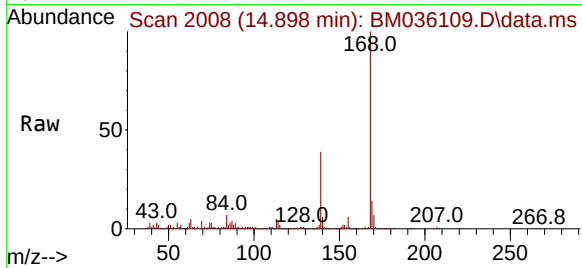




#56
4-Nitrophenol
Concen: 7.525 ng
RT: 14.898 min Scan# 20
Delta R.T. 0.177 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

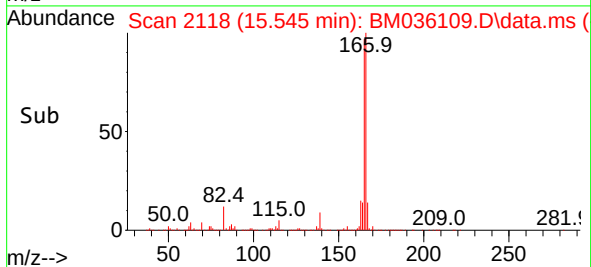
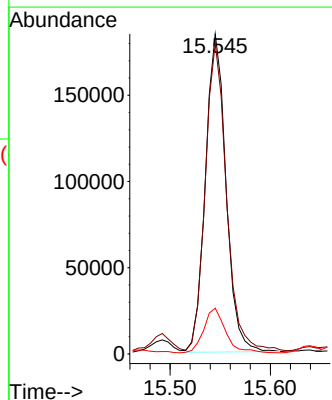
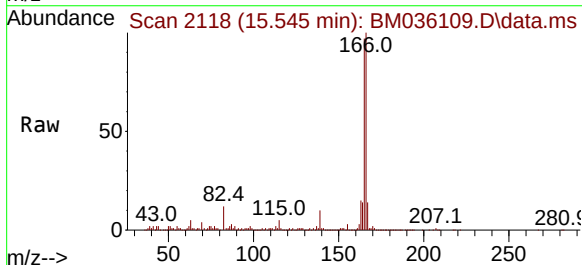
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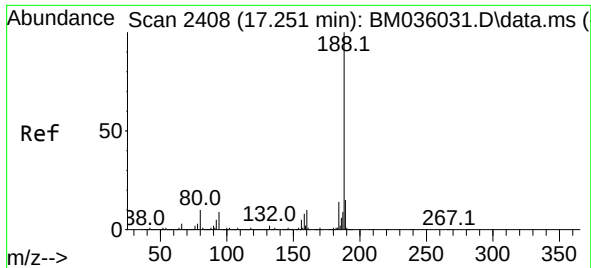
Tgt Ion:139 Resp: 90191
Ion Ratio Lower Upper
139 100
109 2.7 62.5 102.5#
65 2.4 83.5 123.5#



#58
Fluorene
Concen: 4.211 ng
RT: 15.545 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

Tgt Ion:166 Resp: 263945
Ion Ratio Lower Upper
166 100
165 97.1 79.4 119.2
167 14.3 10.6 16.0

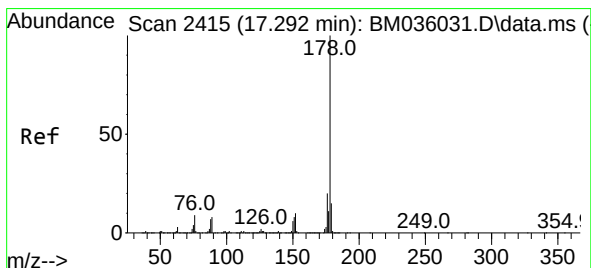
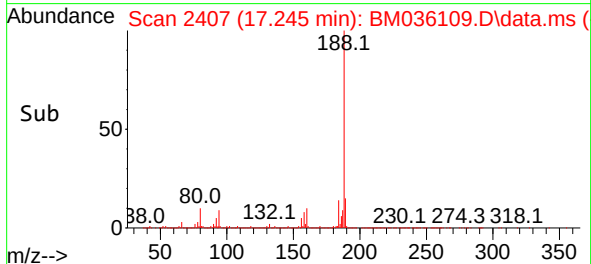
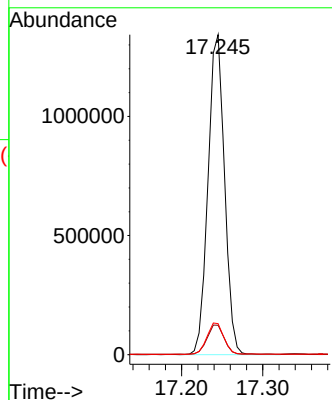
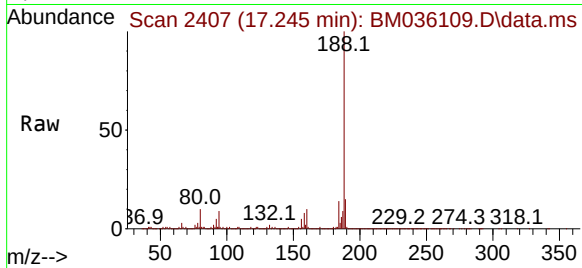




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. 0.006 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

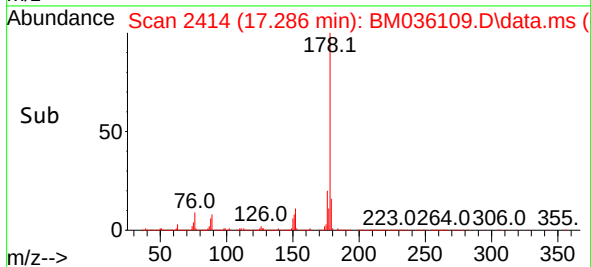
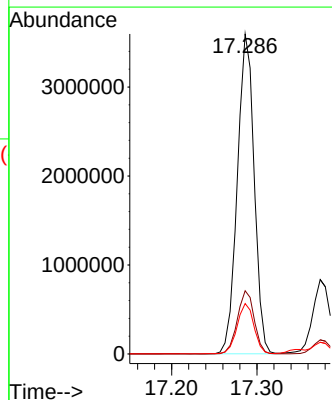
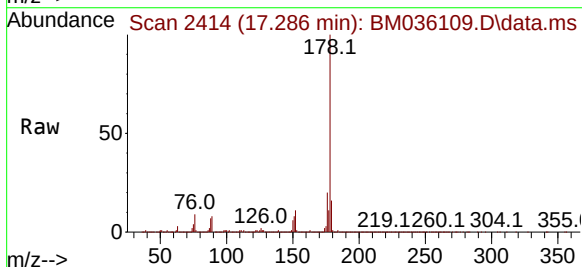
Instrument :
BNA_M
ClientSampleId :
TP2-1-6

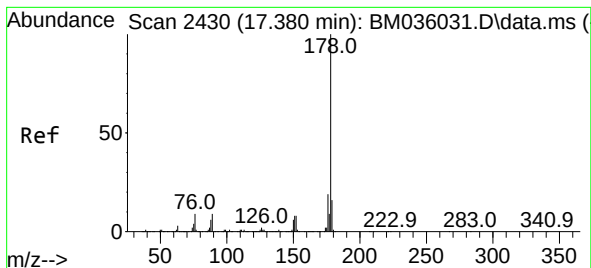
Tgt Ion:188 Resp: 1894019
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.4
80 9.7 7.6 11.4



#71
Phenanthrene
Concen: 51.177 ng
RT: 17.286 min Scan# 2414
Delta R.T. 0.006 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

Tgt Ion:178 Resp: 4938290
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 15.7 12.4 18.6





#72

Anthracene

Concen: 12.346 ng

RT: 17.374 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM036109.D

Acq: 04 Aug 2022 21:36

Instrument :

BNA_M

ClientSampleId :

TP2-1-6

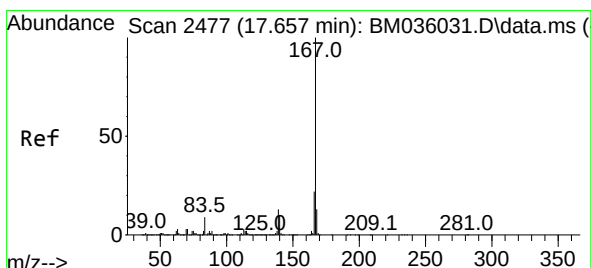
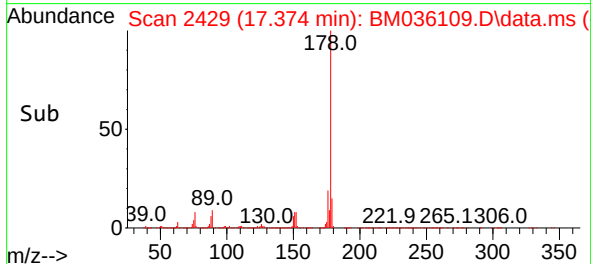
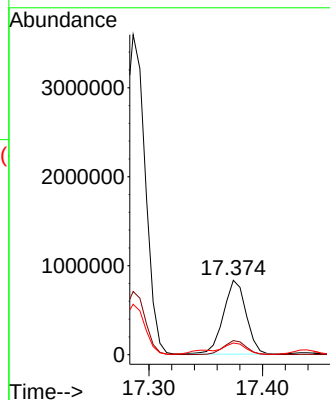
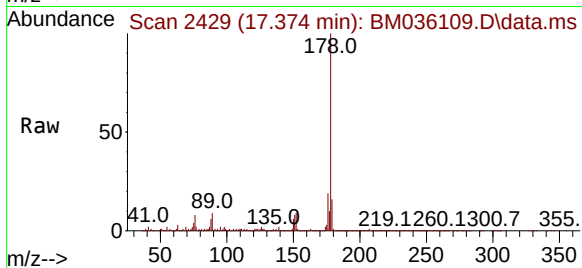
Tgt Ion:178 Resp: 1153365

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.6 12.2 18.2



#73

Carbazole

Concen: 7.090 ng

RT: 17.651 min Scan# 2476

Delta R.T. 0.006 min

Lab File: BM036109.D

Acq: 04 Aug 2022 21:36

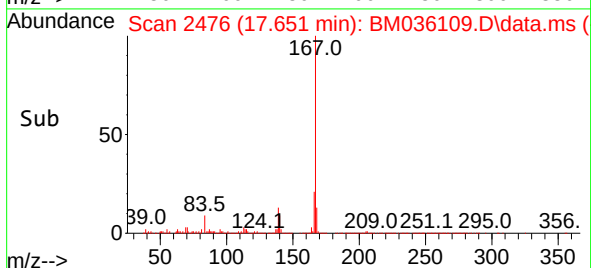
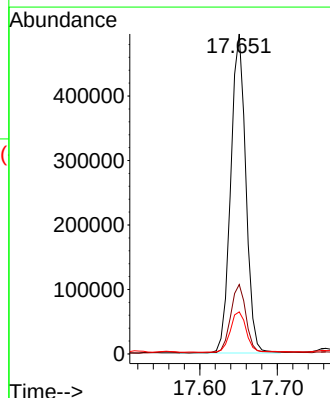
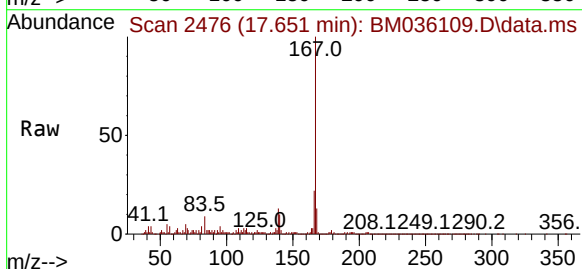
Tgt Ion:167 Resp: 671109

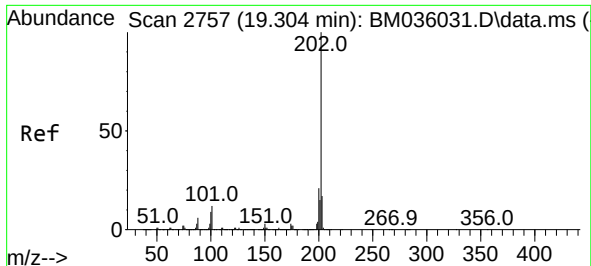
Ion Ratio Lower Upper

167 100

166 21.7 17.8 26.8

139 13.1 10.9 16.3

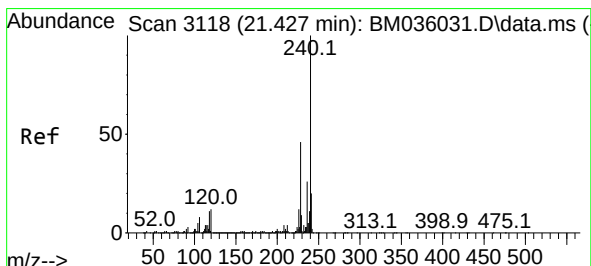
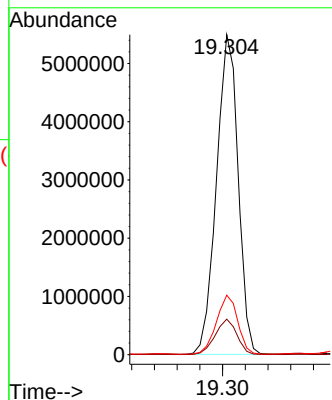
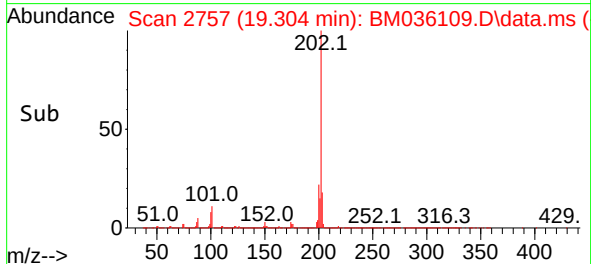
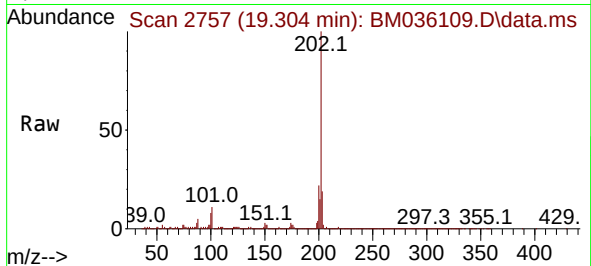




#75
Fluoranthene
Concen: 67.500 ng
RT: 19.304 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

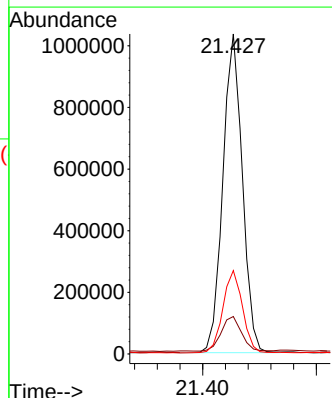
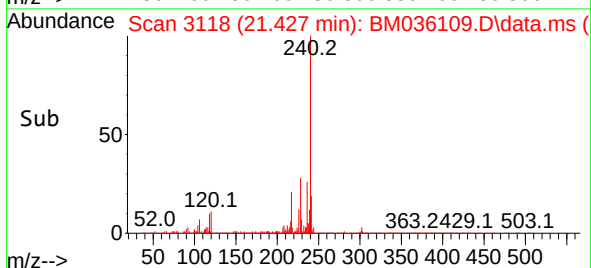
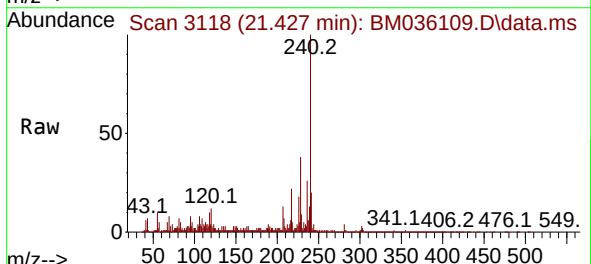
Instrument :
BNA_M
ClientSampleId :
TP2-1-6

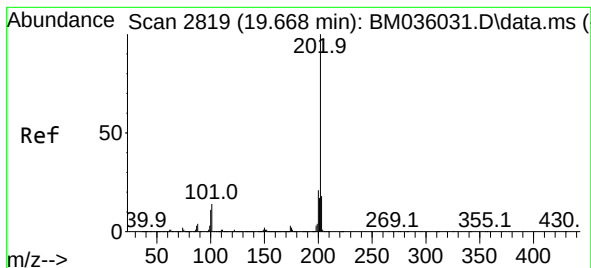
Tgt Ion:202 Resp: 7290815
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.6
203 18.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

Tgt Ion:240 Resp: 1232283
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.0
236 26.1 20.6 30.8





#78

Pyrene

Concen: 82.226 ng

RT: 19.668 min Scan# 2819

Delta R.T. 0.006 min

Lab File: BM036109.D

Acq: 04 Aug 2022 21:36

Instrument :

BNA_M

ClientSampleId :

TP2-1-6

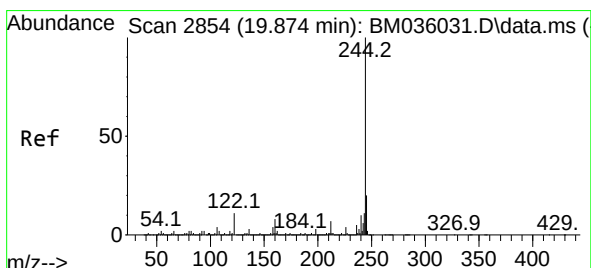
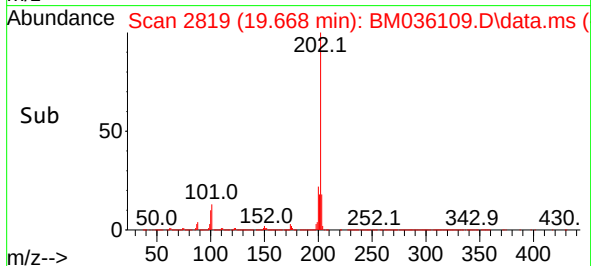
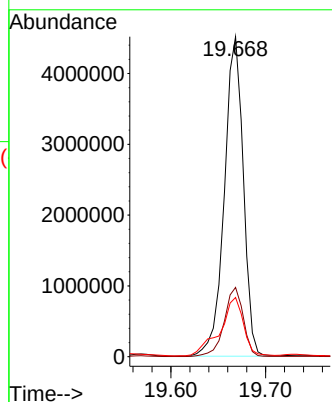
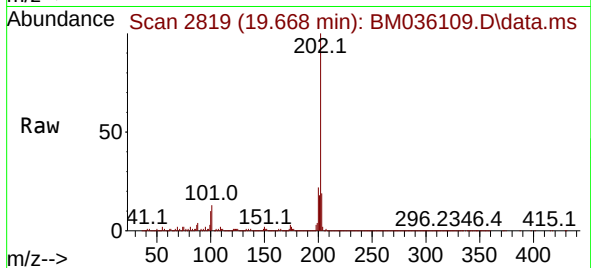
Tgt Ion:202 Resp: 6283170

Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

203 18.5 13.9 20.9



#79

Terphenyl-d14

Concen: 91.031 ng

RT: 19.874 min Scan# 2854

Delta R.T. 0.006 min

Lab File: BM036109.D

Acq: 04 Aug 2022 21:36

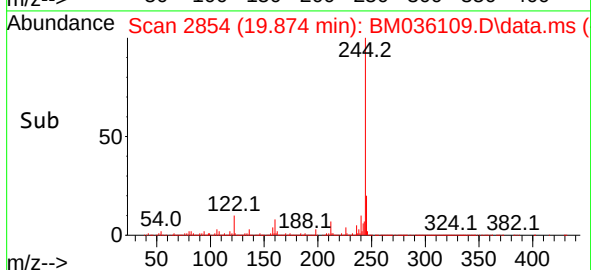
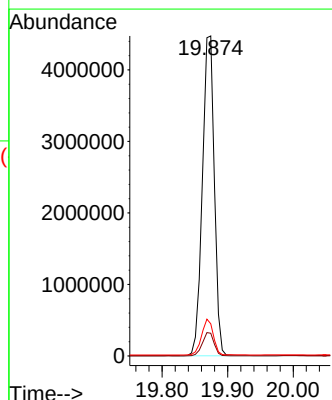
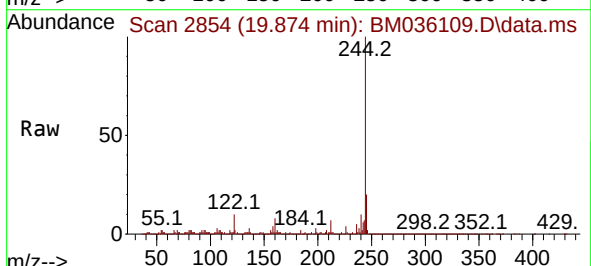
Tgt Ion:244 Resp: 5687151

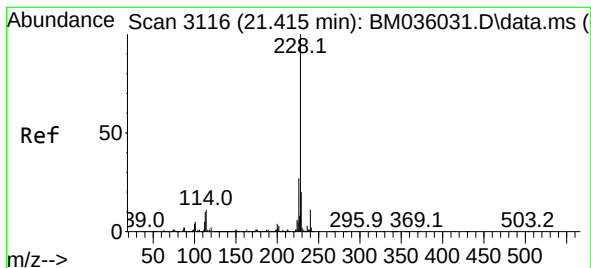
Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.4

122 10.0 8.3 12.5





#81

Benzo(a)anthracene

Concen: 37.510 ng

RT: 21.409 min Scan# 3115

Delta R.T. 0.000 min

Lab File: BM036109.D

Acq: 04 Aug 2022 21:36

Instrument :

BNA_M

ClientSampleId :

TP2-1-6

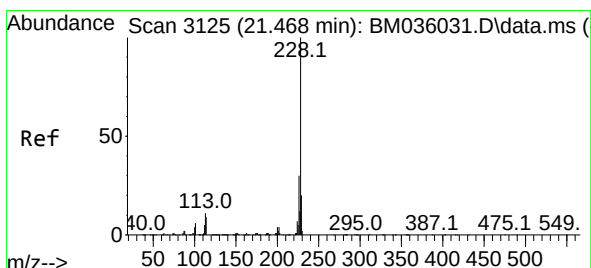
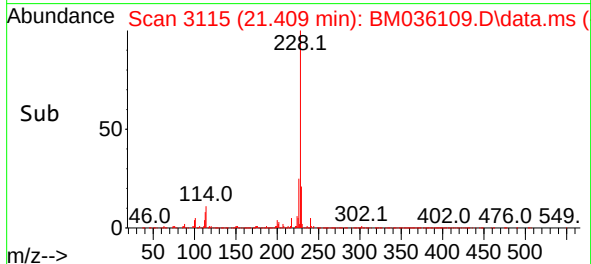
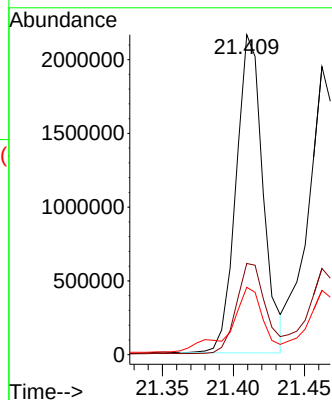
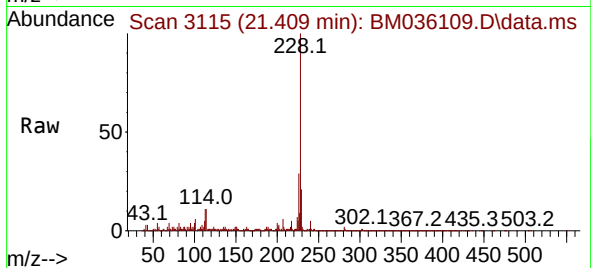
Tgt Ion:228 Resp: 2847078

Ion Ratio Lower Upper

228 100

226 28.5 22.3 33.5

229 21.0 15.8 23.6



#83

Chrysene

Concen: 37.814 ng

RT: 21.462 min Scan# 3124

Delta R.T. 0.000 min

Lab File: BM036109.D

Acq: 04 Aug 2022 21:36

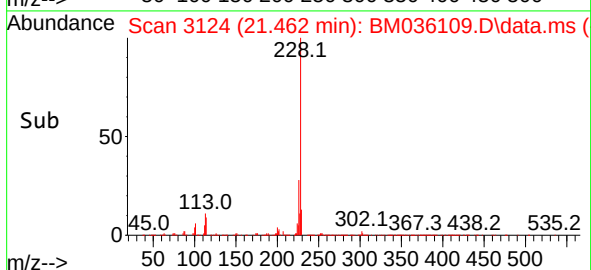
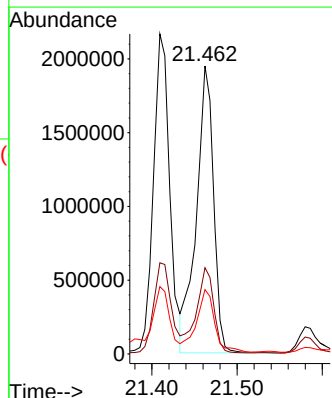
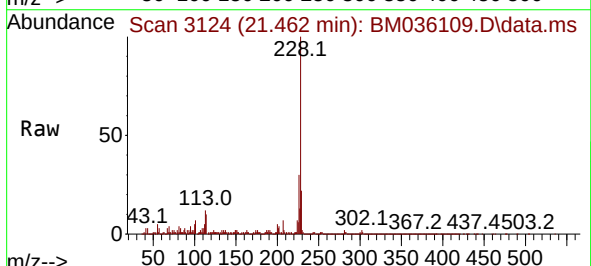
Tgt Ion:228 Resp: 2728333

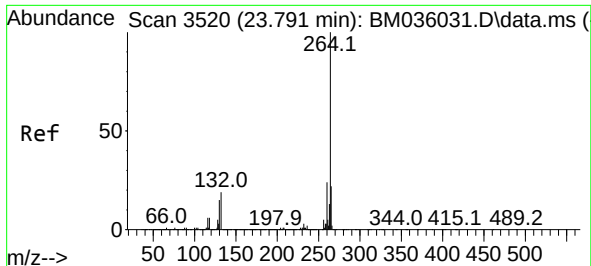
Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 22.3 15.8 23.8

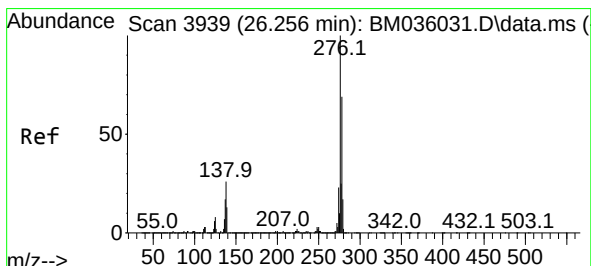
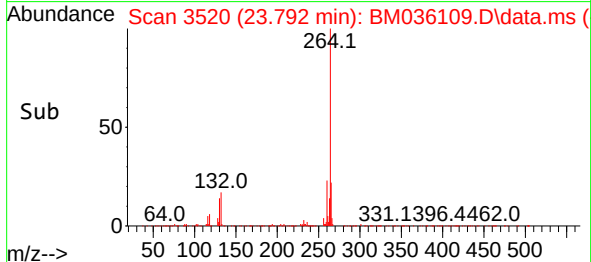
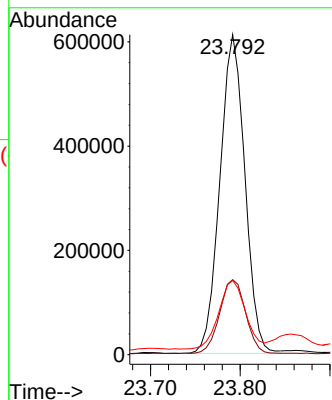
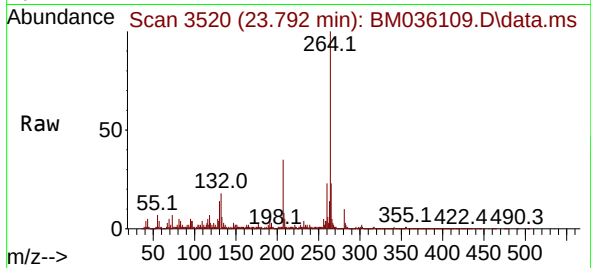




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.792 min Scan# 3520
 Delta R.T. 0.006 min
 Lab File: BM036109.D
 Acq: 04 Aug 2022 21:36

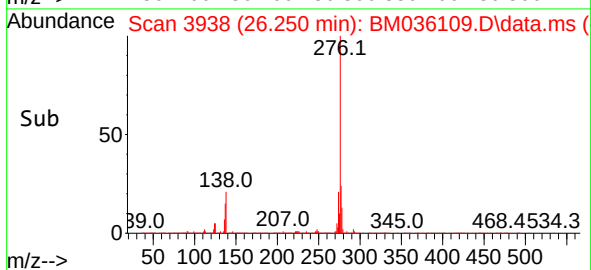
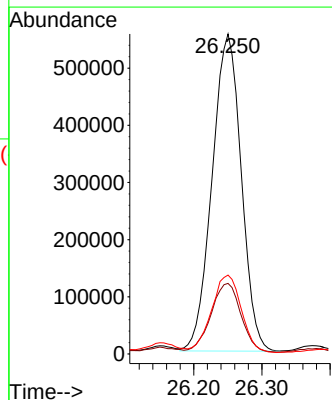
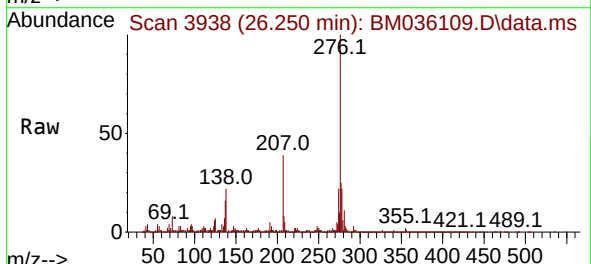
Instrument :
 BNA_M
 ClientSampleId :
 TP2-1-6

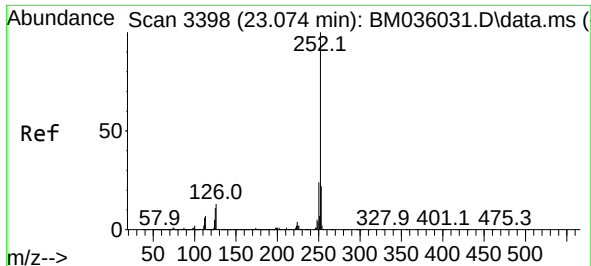
Tgt Ion:264 Resp: 1180287
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.9 28.3
 265 23.2 17.5 26.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 19.900 ng
 RT: 26.250 min Scan# 3938
 Delta R.T. 0.006 min
 Lab File: BM036109.D
 Acq: 04 Aug 2022 21:36

Tgt Ion:276 Resp: 1650596
 Ion Ratio Lower Upper
 276 100
 138 22.3 20.2 30.4
 277 24.9 20.2 30.2

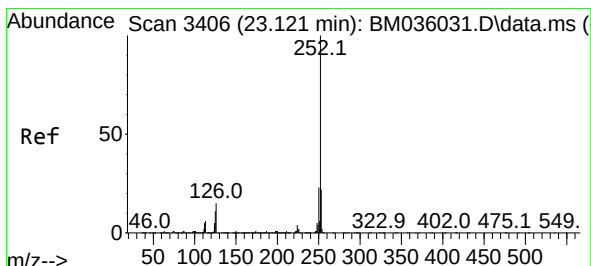
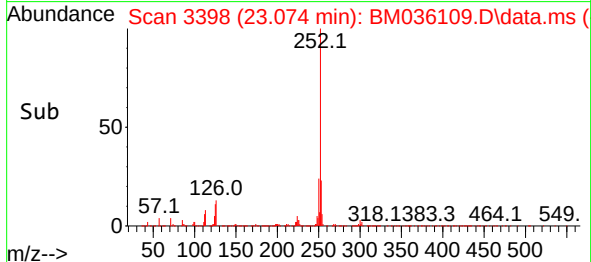
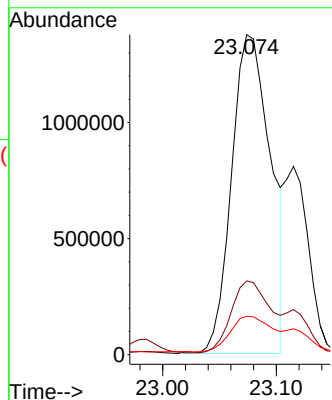
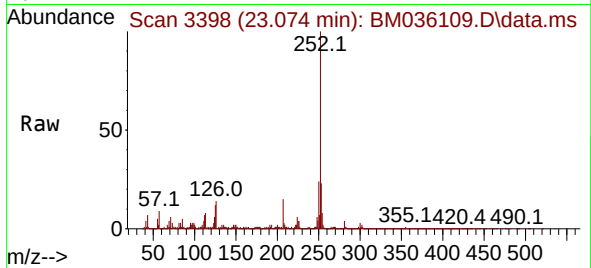




#88
Benzo(b)fluoranthene
Concen: 47.381 ng
RT: 23.074 min Scan# 3398
Delta R.T. 0.006 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

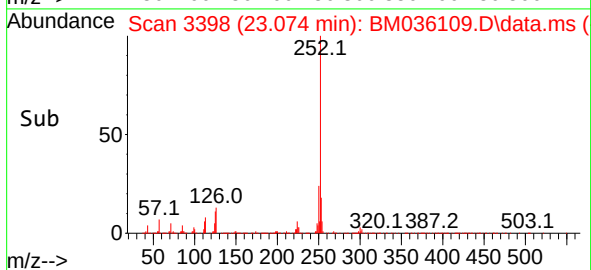
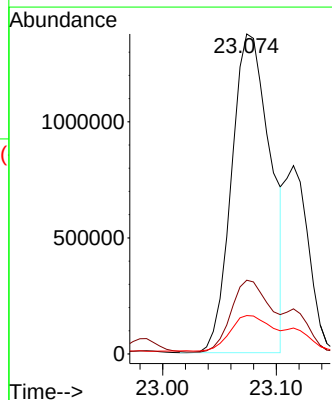
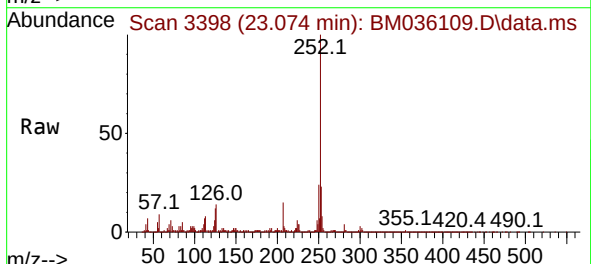
Instrument :
BNA_M
ClientSampleId :
TP2-1-6

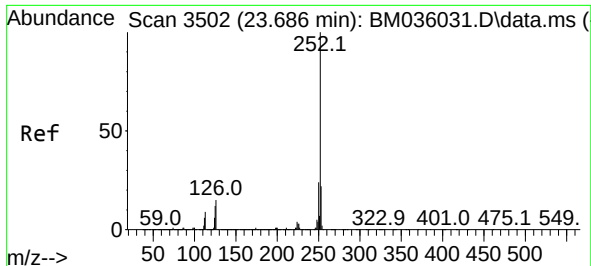
Tgt Ion:252 Resp: 3276463
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 12.0 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 46.911 ng
RT: 23.074 min Scan# 3398
Delta R.T. -0.041 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

Tgt Ion:252 Resp: 3276463
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 12.0 7.6 11.4#

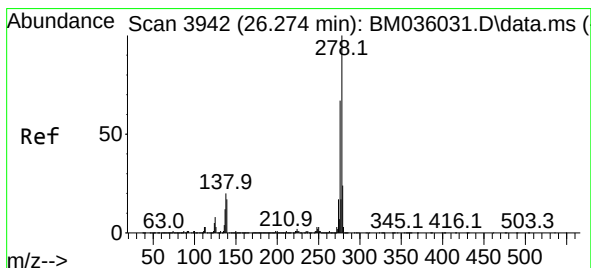
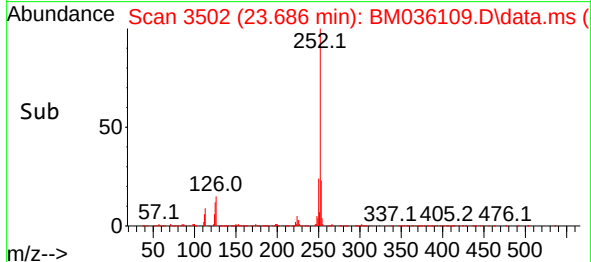
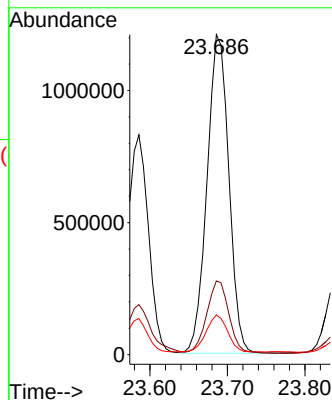
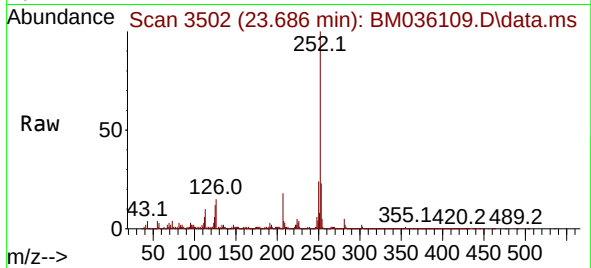




#90
Benzo(a)pyrene
Concen: 40.679 ng
RT: 23.686 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

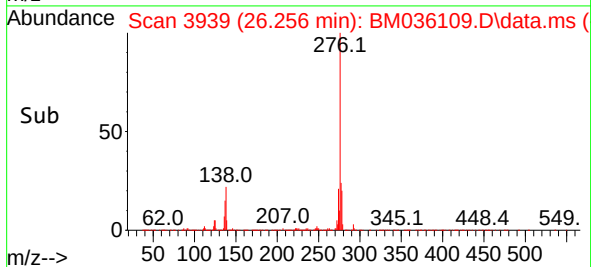
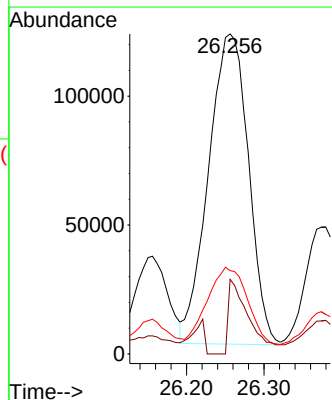
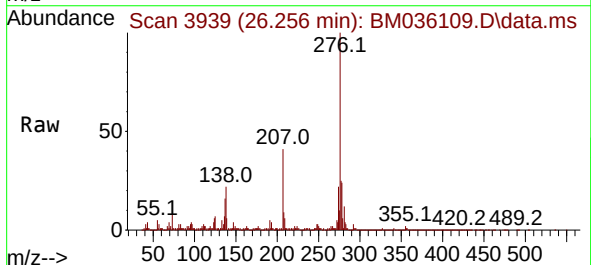
Instrument :
BNA_M
ClientSampleId :
TP2-1-6

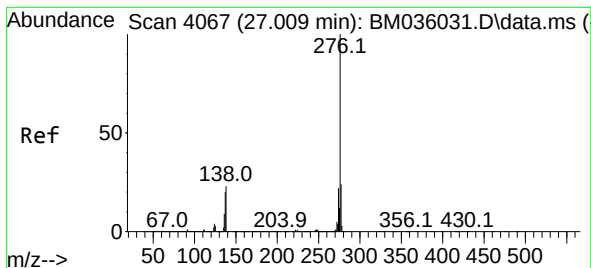
Tgt Ion:252 Resp: 2360228
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 12.4 8.7 13.1



#91
Dibenzo(a,h)anthracene
Concen: 6.225 ng
RT: 26.256 min Scan# 3939
Delta R.T. -0.006 min
Lab File: BM036109.D
Acq: 04 Aug 2022 21:36

Tgt Ion:278 Resp: 432182
Ion Ratio Lower Upper
278 100
139 23.3 12.9 19.3#
279 26.1 18.7 28.1





#92

Benzo(g,h,i)perylene

Concen: 23.737 ng

RT: 27.009 min Scan# 40

Delta R.T. 0.012 min

Lab File: BM036109.D

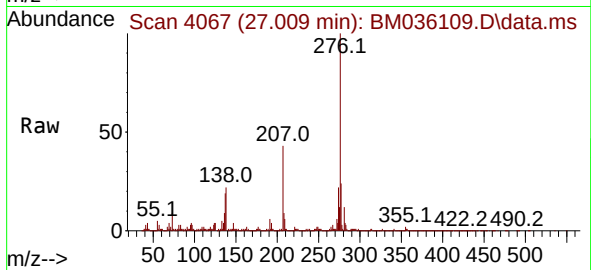
Acq: 04 Aug 2022 21:36

Instrument :

BNA_M

ClientSampleId :

TP2-1-6



Tgt Ion:276 Resp: 1595427

Ion Ratio Lower Upper

276 100

277 23.9 18.7 28.1

138 21.8 17.6 26.4

