

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080422\
 Data File : BM036110.D
 Acq On : 04 Aug 2022 22:13
 Operator : CG/JU
 Sample : N4023-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP3-1-6

Quant Time: Aug 05 03:41:09 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)

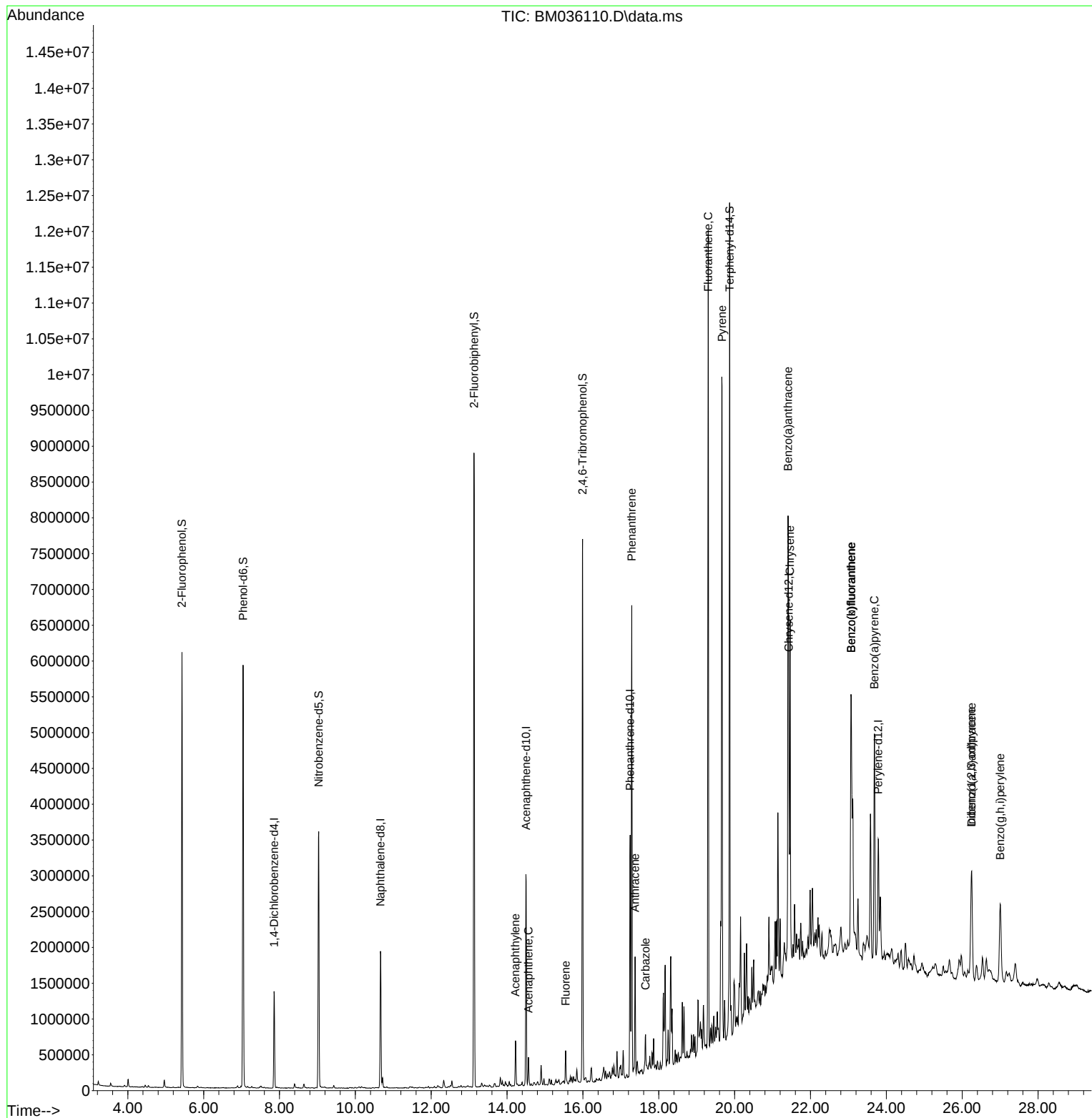
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	364195	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1635931	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	1011814	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	1971967	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1258725	20.000	ng	0.00
86) Perylene-d12	23.786	264	1199175	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	2617505	116.522	ng	0.00
7) Phenol-d6	7.040	99	3422263	119.729	ng	0.00
23) Nitrobenzene-d5	9.034	82	2082727	71.265	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	1400757	118.009	ng	0.00
45) 2-Fluorobiphenyl	13.127	172	4497399	65.628	ng	0.00
79) Terphenyl-d14	19.868	244	5301564	83.076	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.222	152	473033	5.422	ng	100
52) Acenaphthene	14.563	154	135761	2.379	ng	97
58) Fluorene	15.545	166	198509	2.945	ng	99
71) Phenanthrene	17.286	178	3739611	37.223	ng	99
72) Anthracene	17.374	178	943305	9.698	ng	99
73) Carbazole	17.651	167	313132	3.177	ng	100
75) Fluoranthene	19.304	202	6419554	57.084	ng	98
78) Pyrene	19.668	202	5722095	73.310	ng	98
81) Benzo(a)anthracene	21.409	228	2743949	35.392	ng	96
83) Chrysene	21.462	228	2432040	33.000	ng	97
87) Indeno(1,2,3-cd)pyrene	26.244	276	1550370	18.397	ng	97
88) Benzo(b)fluoranthene	23.074	252	3256933	46.356	ng	# 97
89) Benzo(k)fluoranthene	23.074	252	3256933	45.897	ng	# 96
90) Benzo(a)pyrene	23.686	252	2279543	38.670	ng	97
91) Dibenzo(a,h)anthracene	26.250	278	411327	5.831	ng	# 88
92) Benzo(g,h,i)perylene	27.003	276	1485971	21.760	ng	97

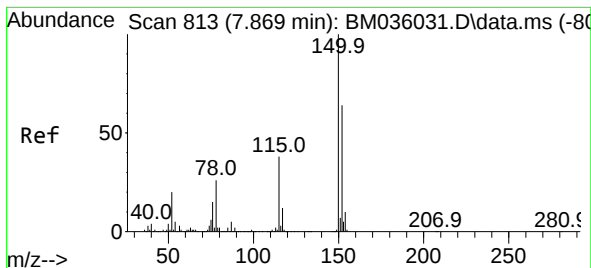
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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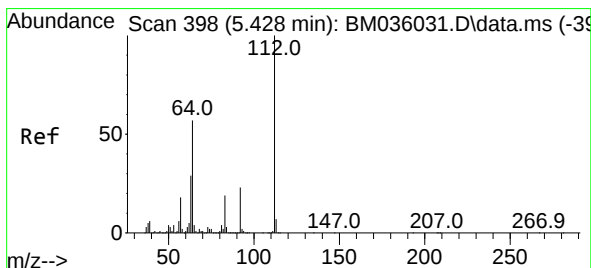
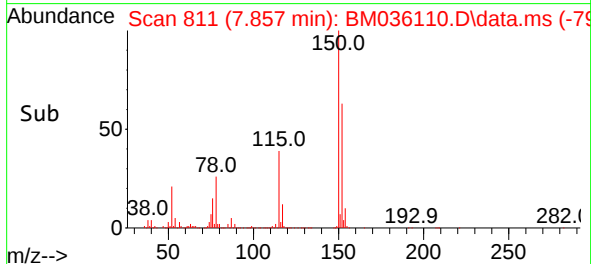
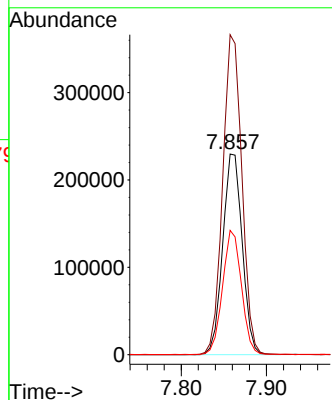
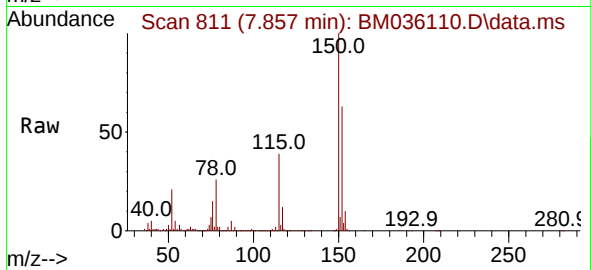




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

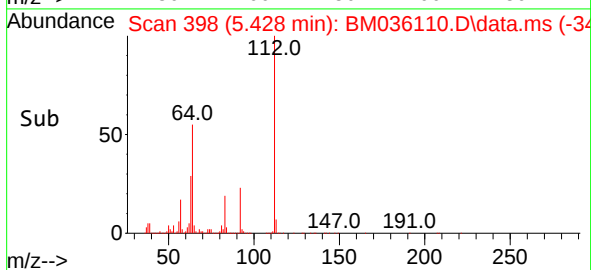
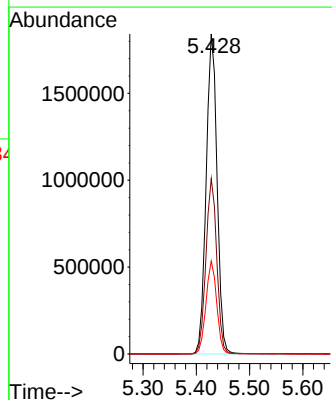
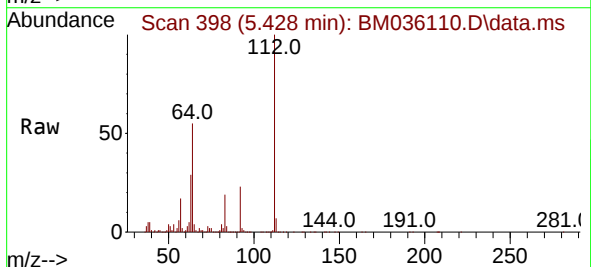
Instrument :
BNA_M
ClientSampleId :
TP3-1-6

Tgt Ion:152 Resp: 364195
Ion Ratio Lower Upper
152 100
150 159.5 124.9 187.3
115 62.0 47.9 71.9



#5
2-Fluorophenol
Concen: 116.522 ng
RT: 5.428 min Scan# 398
Delta R.T. 0.006 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

Tgt Ion:112 Resp: 2617505
Ion Ratio Lower Upper
112 100
64 54.8 47.8 71.6
63 29.1 26.6 40.0

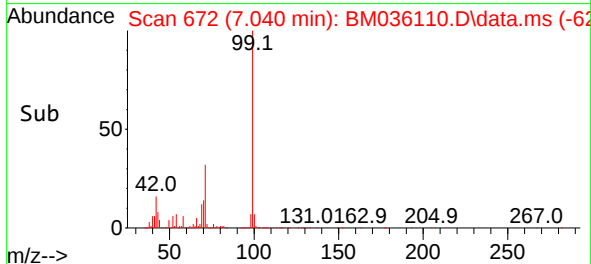
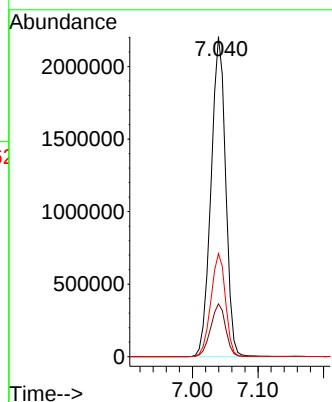
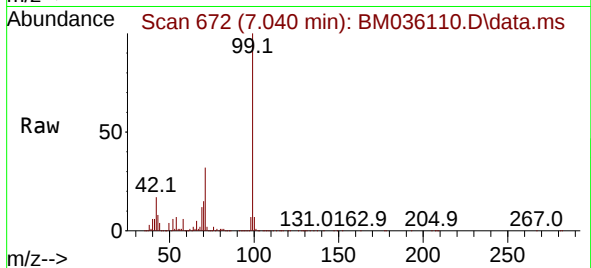




#7
Phenol-d6
Concen: 119.729 ng
RT: 7.040 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

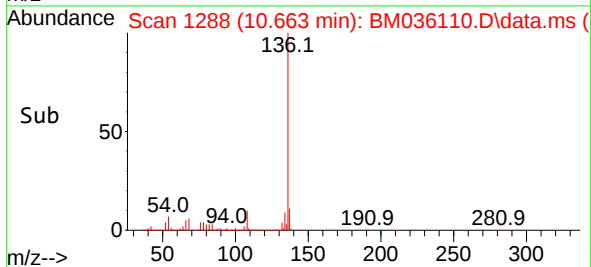
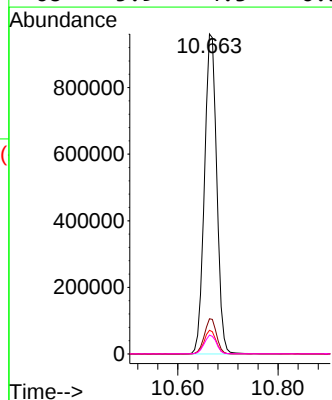
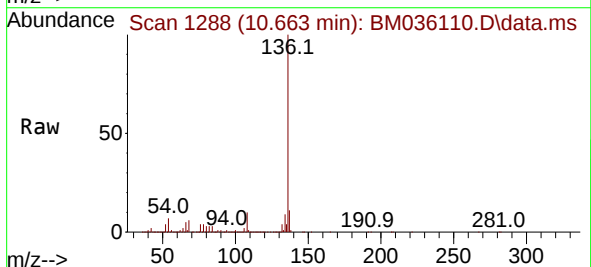
Instrument :
BNA_M
ClientSampleId :
TP3-1-6

Tgt Ion: 99 Resp: 3422263
Ion Ratio Lower Upper
99 100
42 16.5 18.8 28.2#
71 32.2 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: BM036110.D
Acq: 04 Aug 2022 22:13

Tgt Ion: 136 Resp: 1635931
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.4 7.0 10.4
68 5.9 4.3 6.5

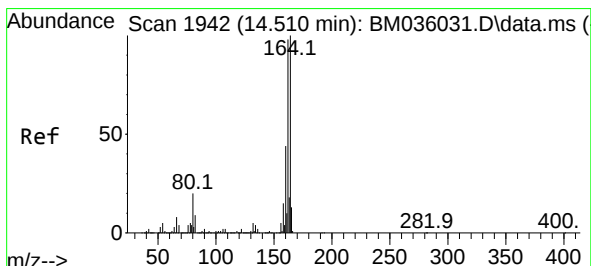
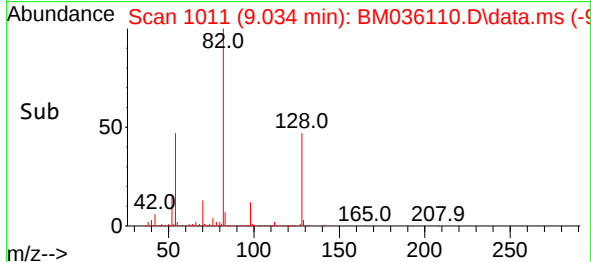
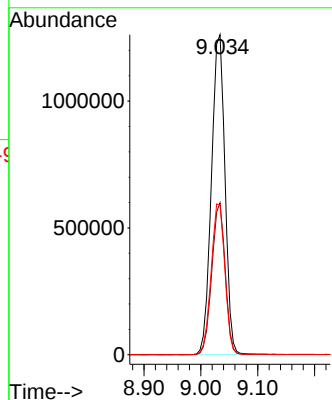
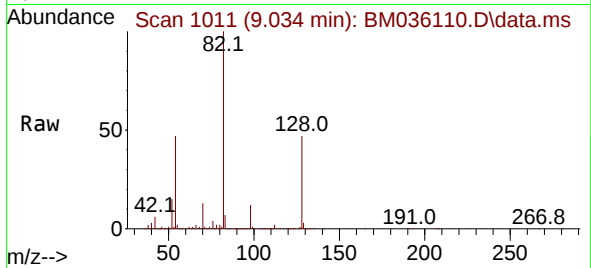




#23
Nitrobenzene-d5
Concen: 71.265 ng
RT: 9.034 min Scan# 1011
Delta R.T. 0.006 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

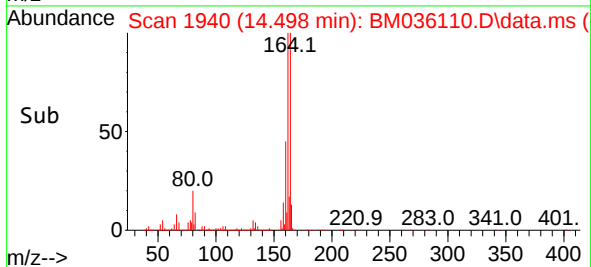
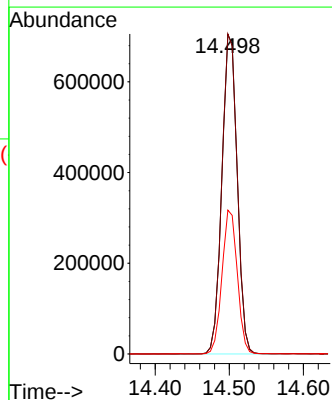
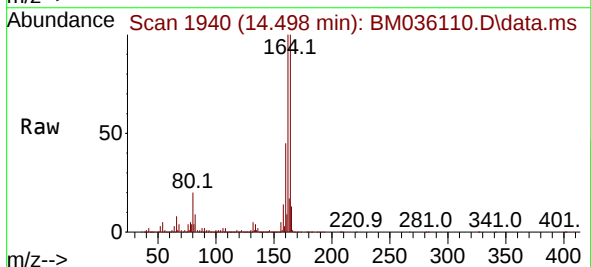
Instrument :
BNA_M
ClientSampleId :
TP3-1-6

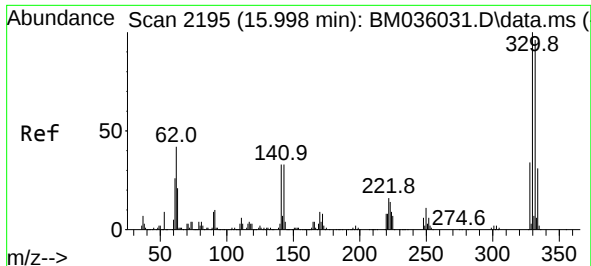
Tgt Ion: 82 Resp: 2082727
Ion Ratio Lower Upper
82 100
128 47.4 33.7 50.5
54 46.9 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

Tgt Ion:164 Resp: 1011814
Ion Ratio Lower Upper
164 100
162 100.2 83.0 124.6
160 45.1 37.0 55.4

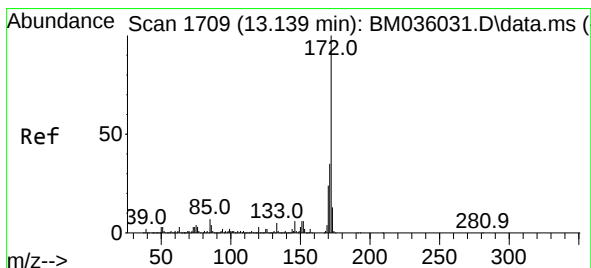
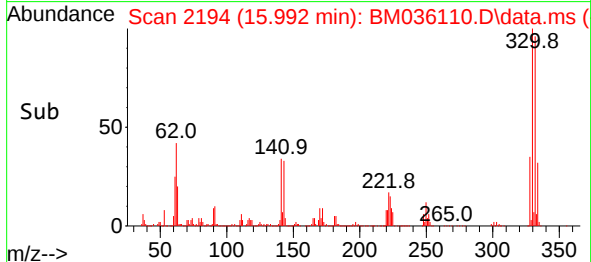
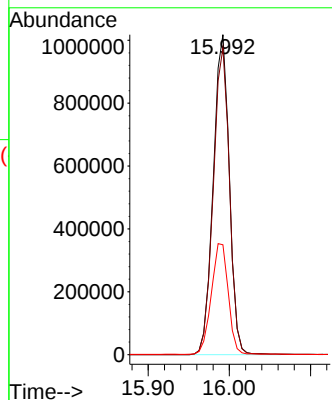
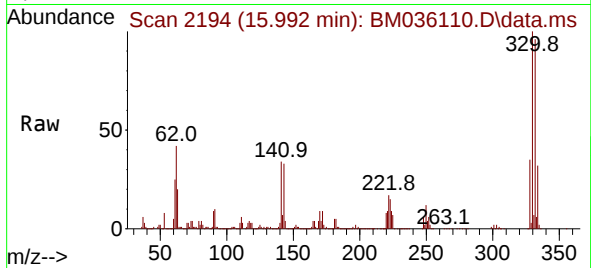




#42
2,4,6-Tribromophenol
Concen: 118.009 ng
RT: 15.992 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

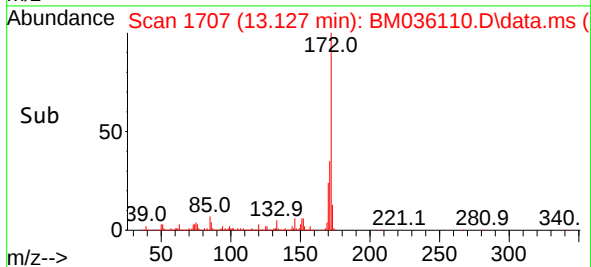
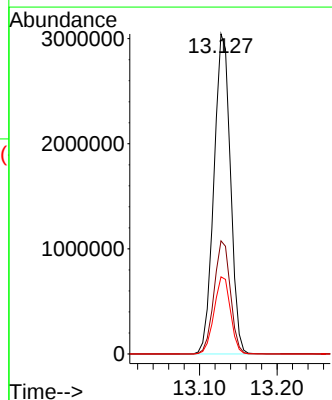
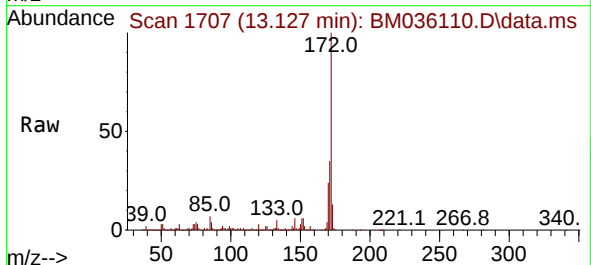
Instrument :
BNA_M
ClientSampleId :
TP3-1-6

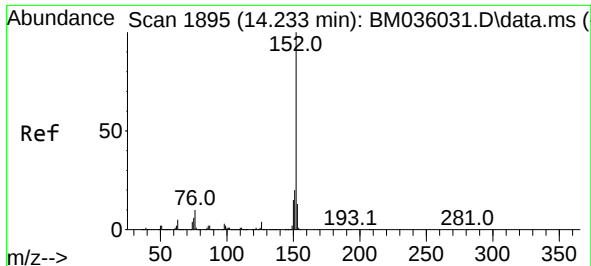
Tgt Ion:330 Resp: 1400757
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 36.3 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 65.628 ng
RT: 13.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

Tgt Ion:172 Resp: 4497399
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 24.1 18.7 28.1

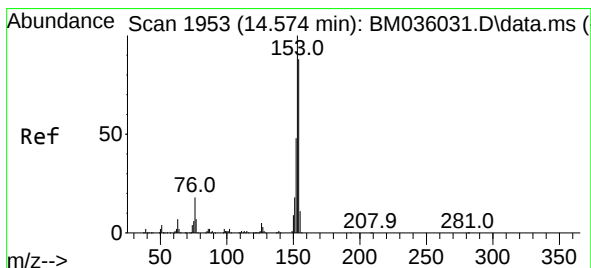
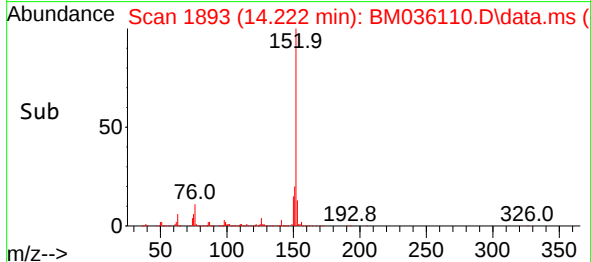
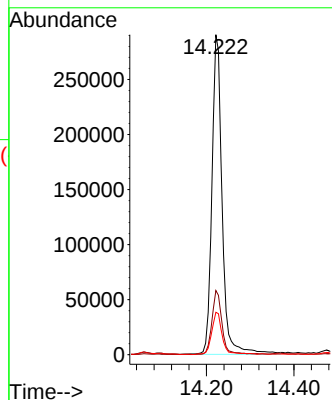
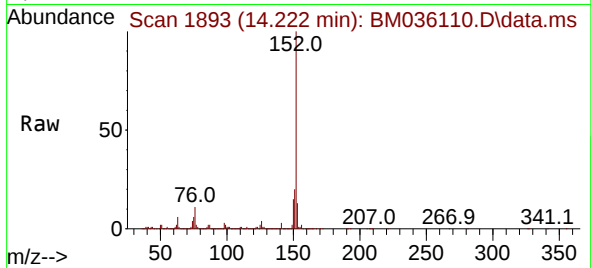




#49
Acenaphthylene
Concen: 5.422 ng
RT: 14.222 min Scan# 1893
Delta R.T. 0.000 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

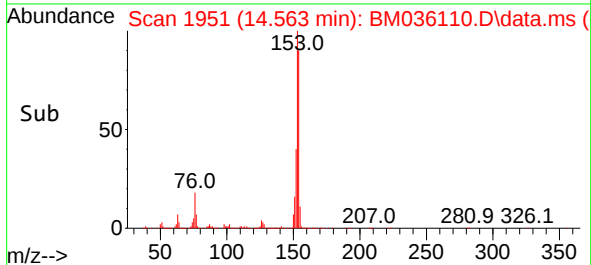
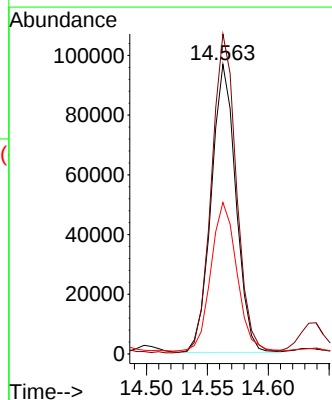
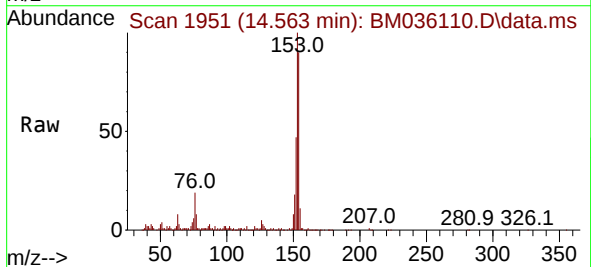
Instrument :
BNA_M
ClientSampleId :
TP3-1-6

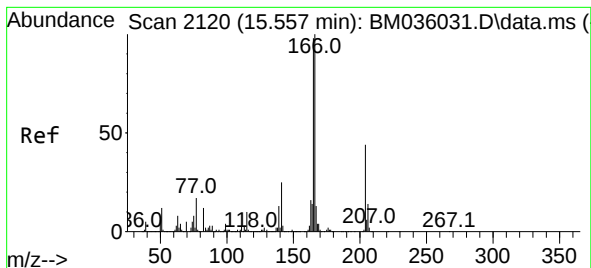
Tgt Ion:152 Resp: 473033
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.2 10.5 15.7



#52
Acenaphthene
Concen: 2.379 ng
RT: 14.563 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

Tgt Ion:154 Resp: 135761
Ion Ratio Lower Upper
154 100
153 110.5 91.0 136.6
152 52.3 43.4 65.2





#58

Fluorene

Concen: 2.945 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM036110.D

Acq: 04 Aug 2022 22:13

Instrument :

BNA_M

ClientSampleId :

TP3-1-6

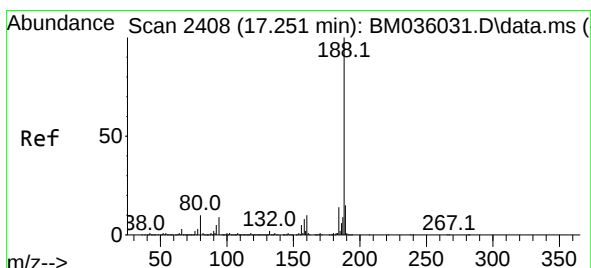
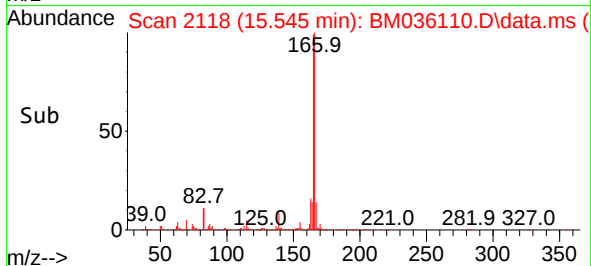
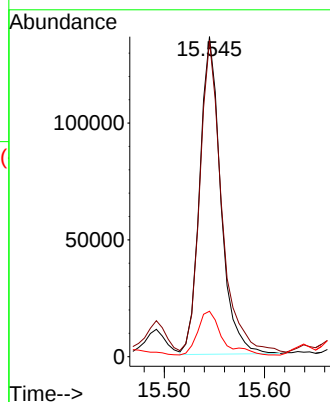
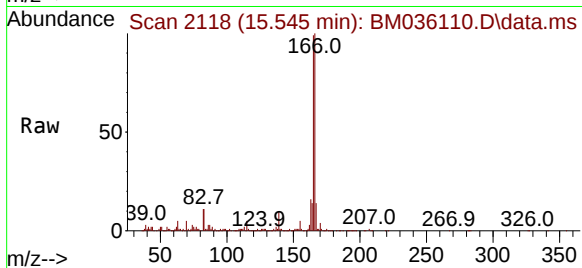
Tgt Ion:166 Resp: 198509

Ion Ratio Lower Upper

166 100

165 98.8 79.4 119.2

167 14.2 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: BM036110.D

Acq: 04 Aug 2022 22:13

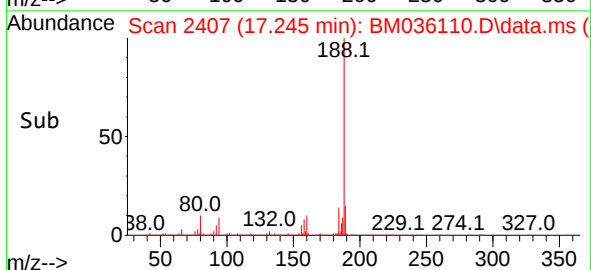
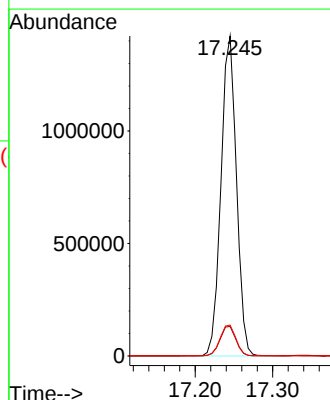
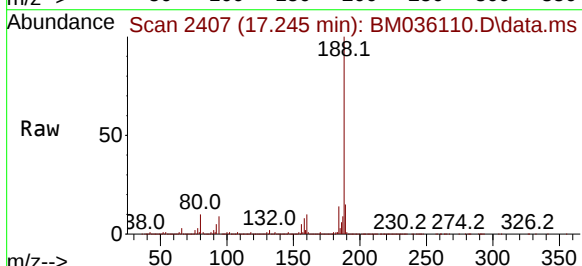
Tgt Ion:188 Resp: 1971967

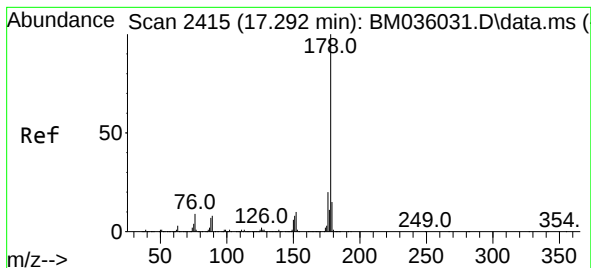
Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.4

80 9.7 7.6 11.4





#71

Phenanthrene

Concen: 37.223 ng

RT: 17.286 min Scan# 2414

Delta R.T. 0.006 min

Lab File: BM036110.D

Acq: 04 Aug 2022 22:13

Instrument :

BNA_M

ClientSampleId :

TP3-1-6

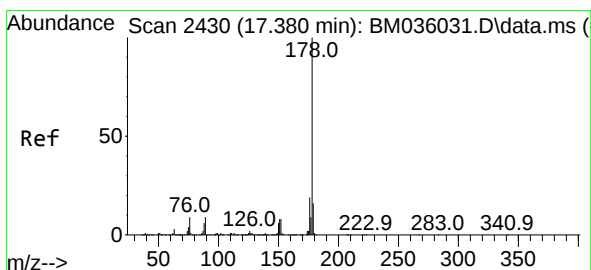
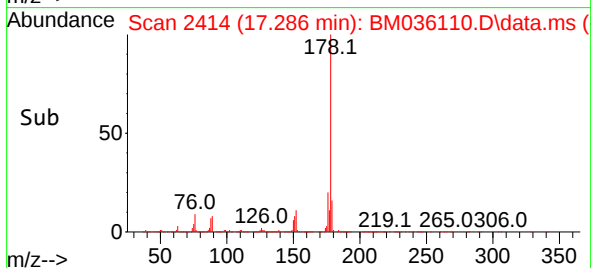
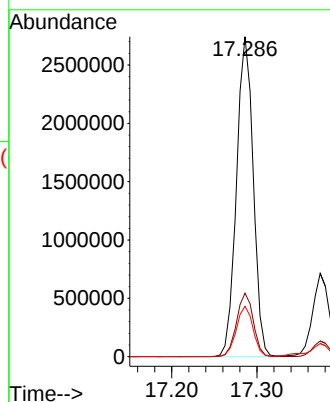
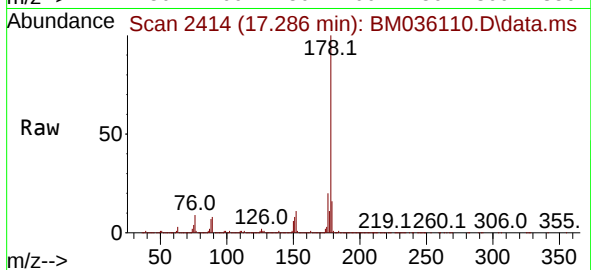
Tgt Ion:178 Resp: 3739611

Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.0

179 15.8 12.4 18.6



#72

Anthracene

Concen: 9.698 ng

RT: 17.374 min Scan# 2429

Delta R.T. 0.000 min

Lab File: BM036110.D

Acq: 04 Aug 2022 22:13

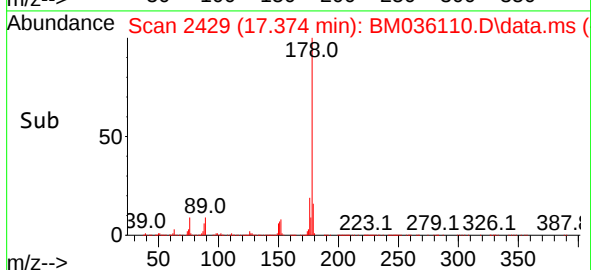
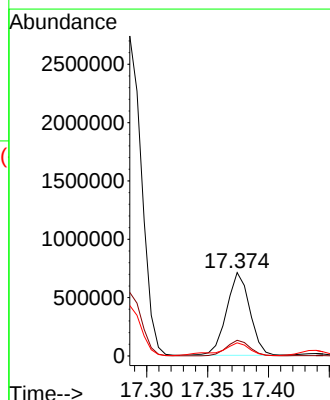
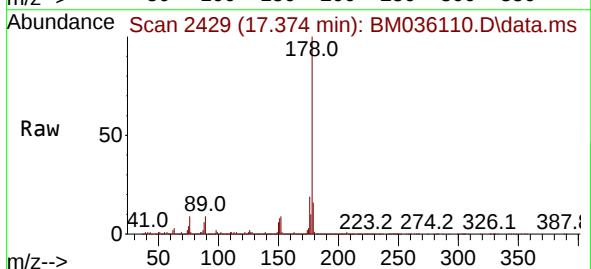
Tgt Ion:178 Resp: 943305

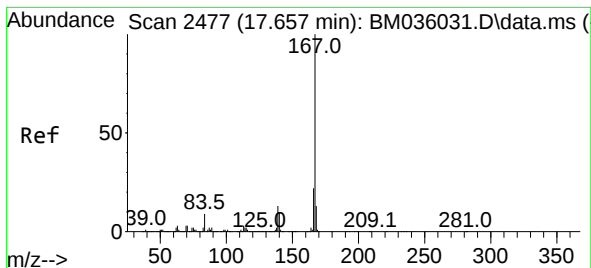
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.8 12.2 18.2





#73

Carbazole

Concen: 3.177 ng

RT: 17.651 min Scan# 24

Delta R.T. 0.006 min

Lab File: BM036110.D

Acq: 04 Aug 2022 22:13

Instrument :

BNA_M

ClientSampleId :

TP3-1-6

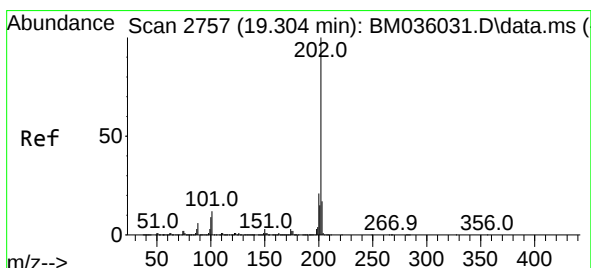
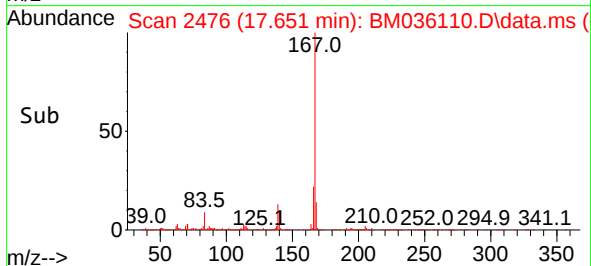
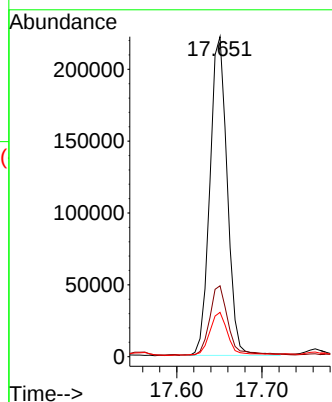
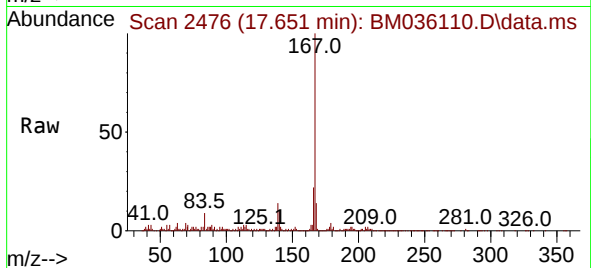
Tgt Ion:167 Resp: 313132

Ion Ratio Lower Upper

167 100

166 22.2 17.8 26.8

139 13.8 10.9 16.3



#75

Fluoranthene

Concen: 57.084 ng

RT: 19.304 min Scan# 2757

Delta R.T. 0.006 min

Lab File: BM036110.D

Acq: 04 Aug 2022 22:13

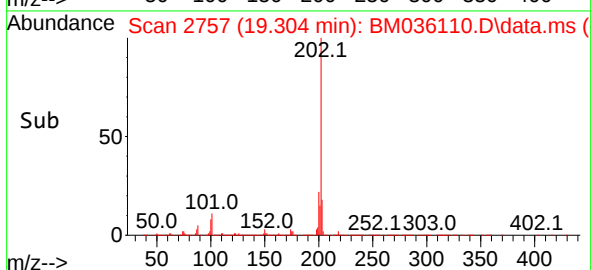
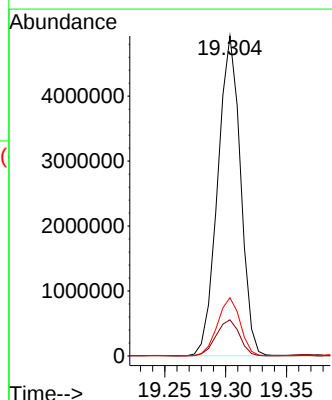
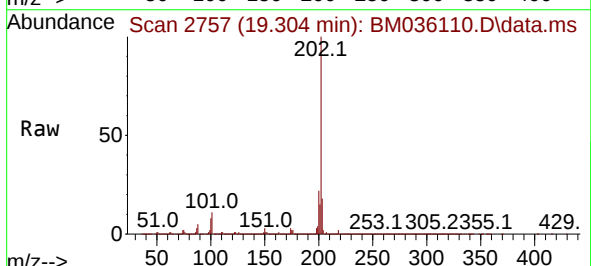
Tgt Ion:202 Resp: 6419554

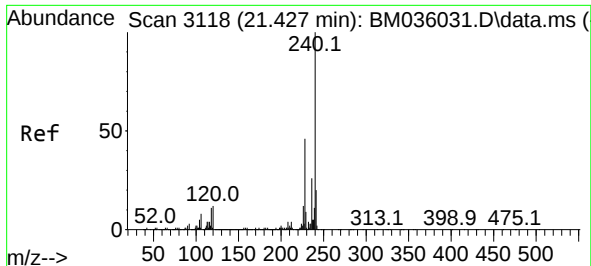
Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.6

203 18.2 0.0 37.4

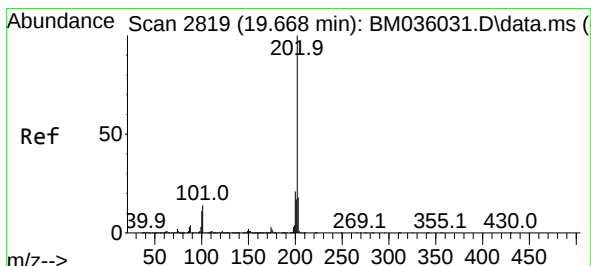
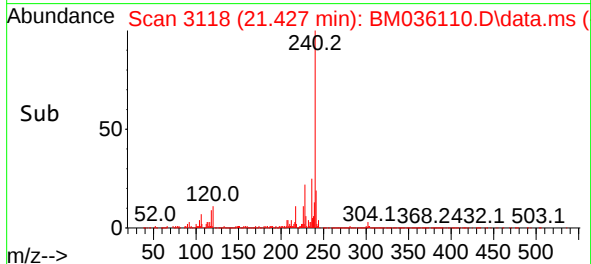
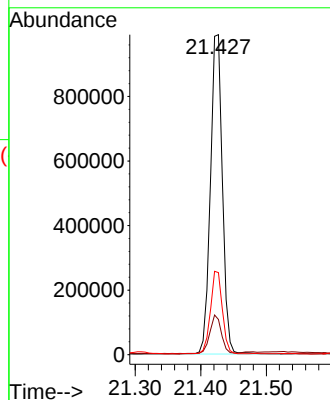
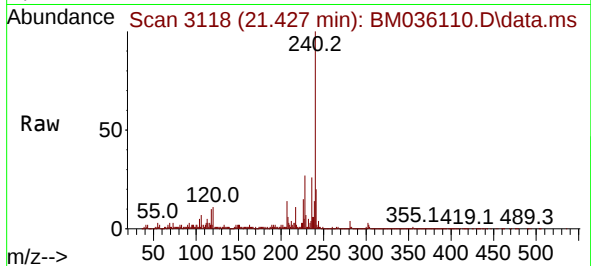




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

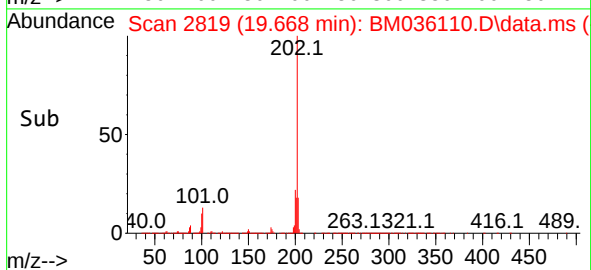
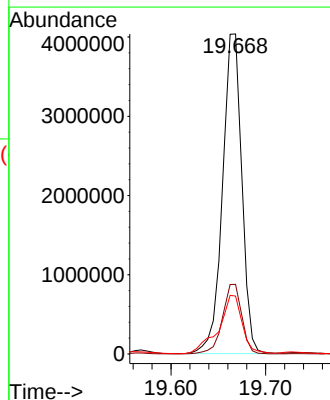
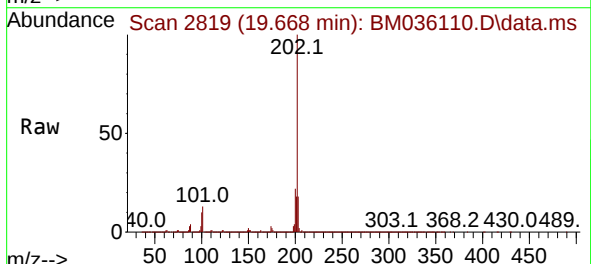
Instrument :
BNA_M
ClientSampleId :
TP3-1-6

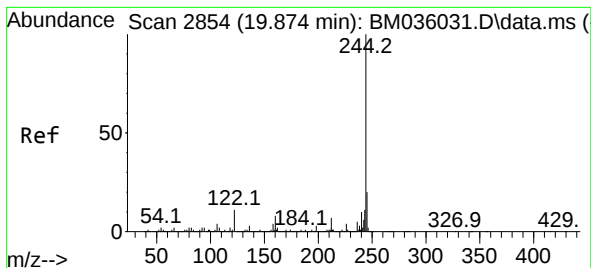
Tgt Ion:240 Resp: 1258725
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.0
236 25.6 20.6 30.8



#78
Pyrene
Concen: 73.310 ng
RT: 19.668 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

Tgt Ion:202 Resp: 5722095
Ion Ratio Lower Upper
202 100
200 21.8 16.7 25.1
203 18.1 13.9 20.9





#79

Terphenyl-d14

Concen: 83.076 ng

RT: 19.868 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM036110.D

Acq: 04 Aug 2022 22:13

Instrument :

BNA_M

ClientSampleId :

TP3-1-6

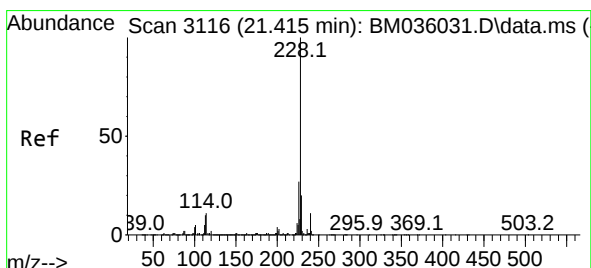
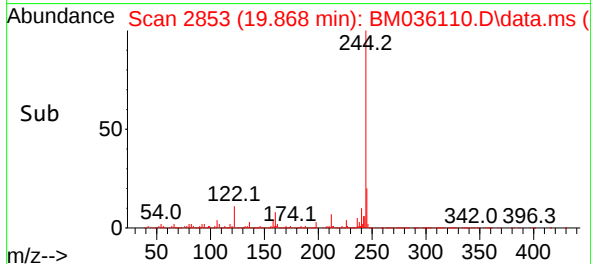
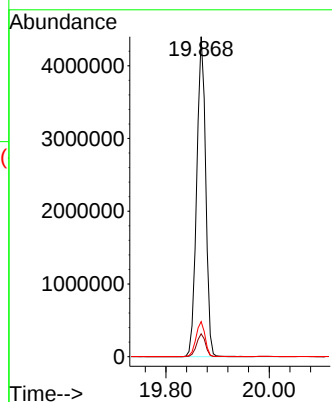
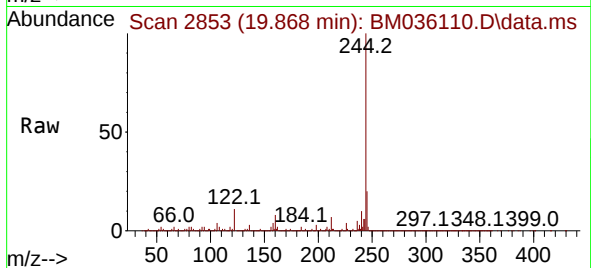
Tgt Ion:244 Resp: 5301564

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.4

122 11.0 8.3 12.5



#81

Benzo(a)anthracene

Concen: 35.392 ng

RT: 21.409 min Scan# 3115

Delta R.T. 0.000 min

Lab File: BM036110.D

Acq: 04 Aug 2022 22:13

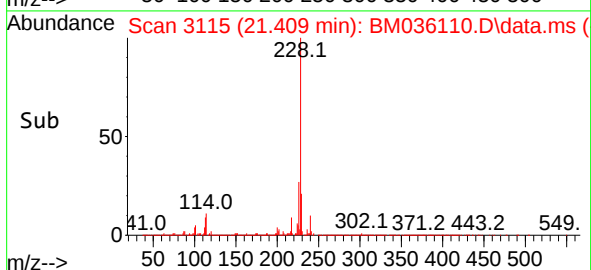
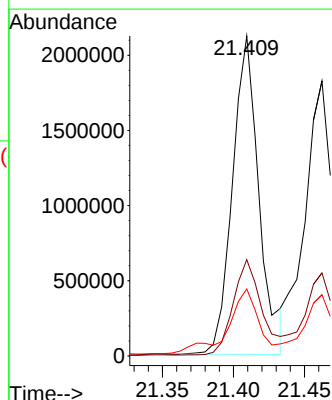
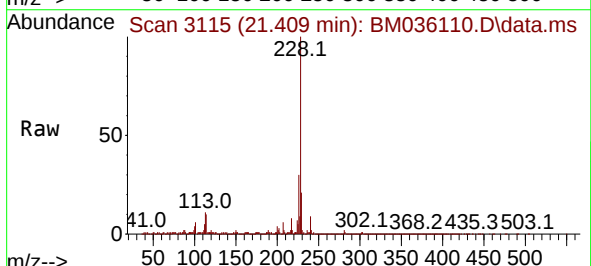
Tgt Ion:228 Resp: 2743949

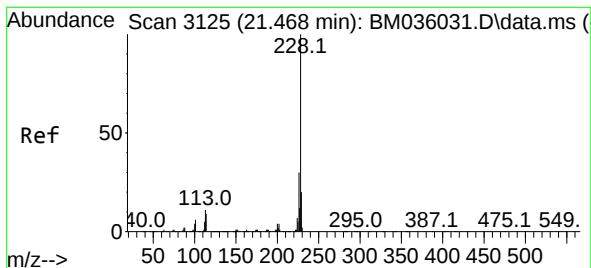
Ion Ratio Lower Upper

228 100

226 30.1 22.3 33.5

229 21.0 15.8 23.6





#83

Chrysene

Concen: 33.000 ng

RT: 21.462 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM036110.D

Acq: 04 Aug 2022 22:13

Instrument :

BNA_M

ClientSampleId :

TP3-1-6

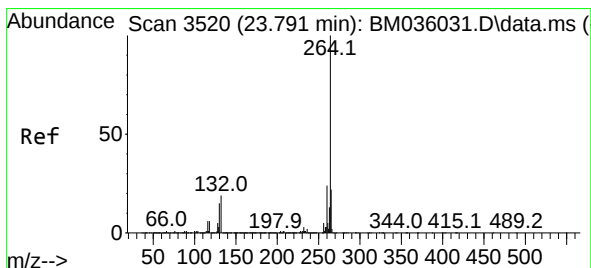
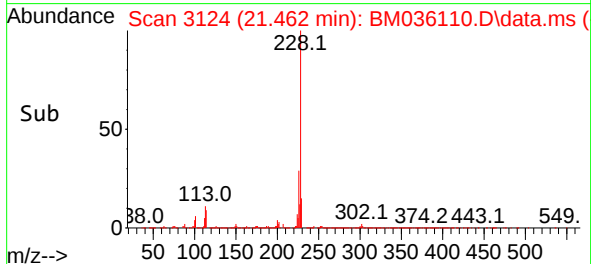
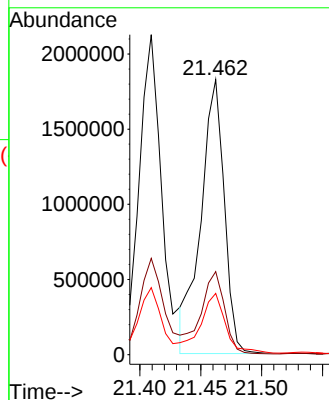
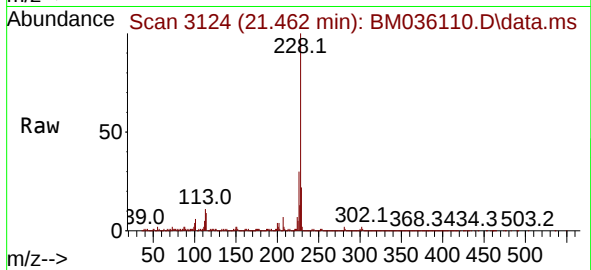
Tgt Ion:228 Resp: 2432040

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 22.3 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.786 min Scan# 3519

Delta R.T. 0.000 min

Lab File: BM036110.D

Acq: 04 Aug 2022 22:13

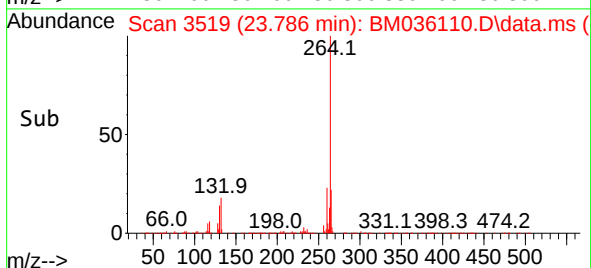
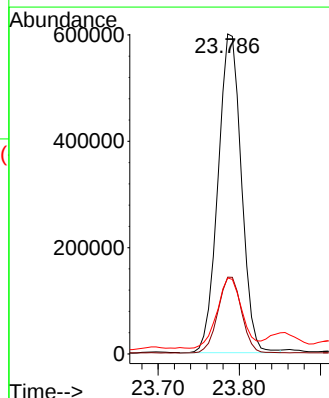
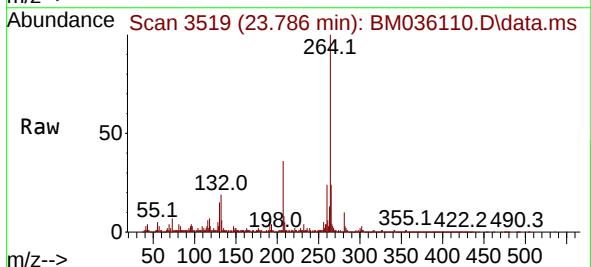
Tgt Ion:264 Resp: 1199175

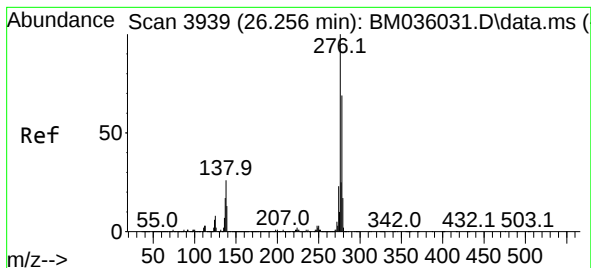
Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

265 23.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.397 ng

RT: 26.244 min Scan# 3937

Delta R.T. 0.000 min

Lab File: BM036110.D

Acq: 04 Aug 2022 22:13

Instrument :

BNA_M

ClientSampleId :

TP3-1-6

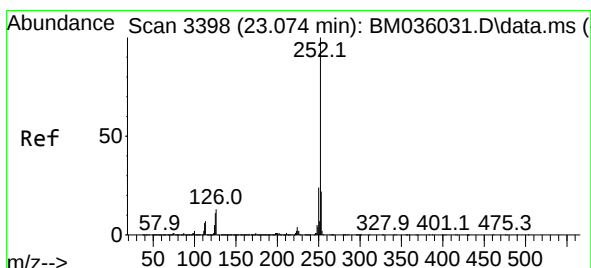
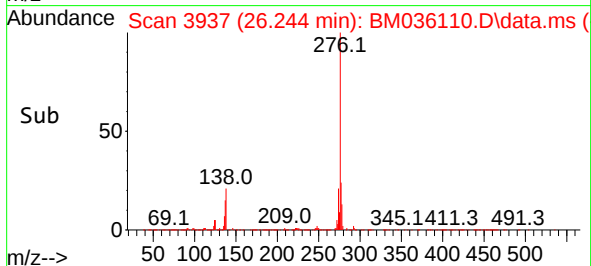
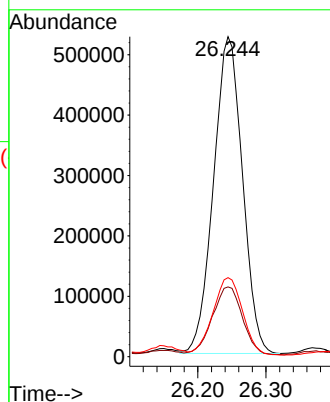
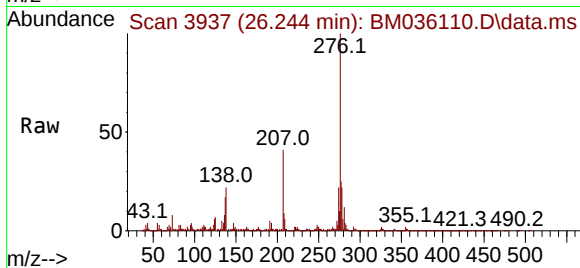
Tgt Ion:276 Resp: 1550370

Ion Ratio Lower Upper

276 100

138 22.4 20.2 30.4

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 46.356 ng

RT: 23.074 min Scan# 3398

Delta R.T. 0.006 min

Lab File: BM036110.D

Acq: 04 Aug 2022 22:13

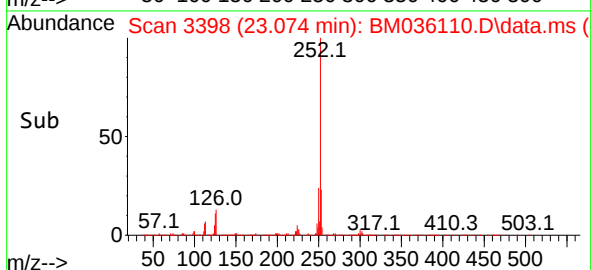
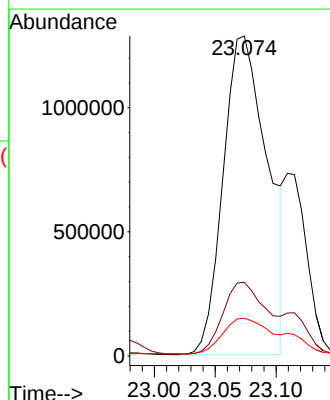
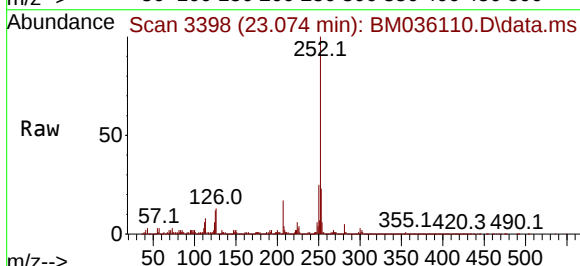
Tgt Ion:252 Resp: 3256933

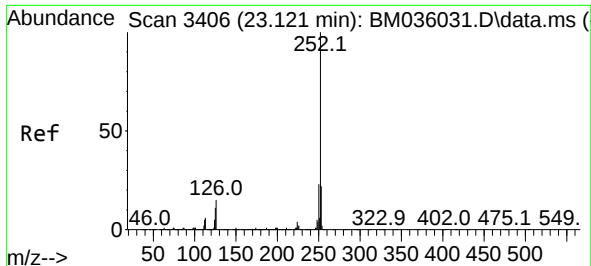
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 11.8 7.6 11.4#

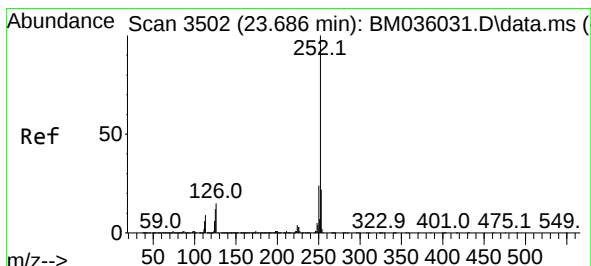
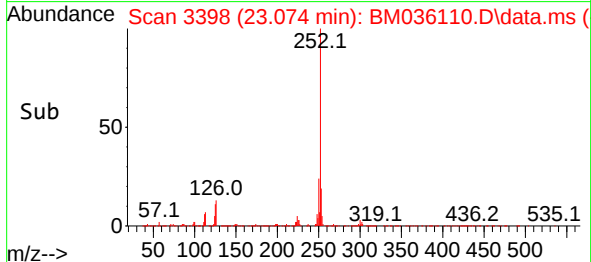
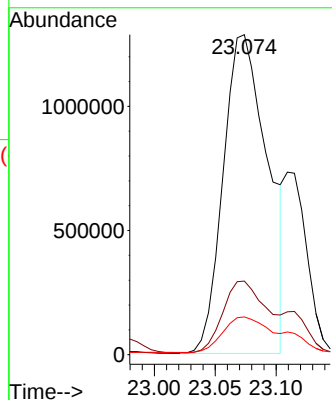
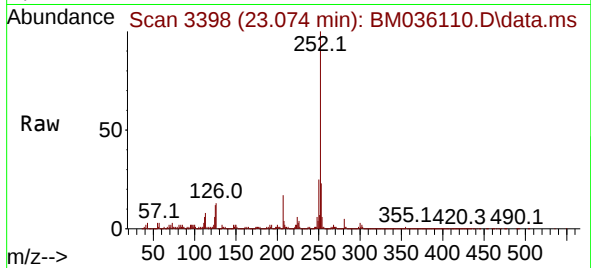




#89
Benzo(k)fluoranthene
Concen: 45.897 ng
RT: 23.074 min Scan# 31
Delta R.T. -0.041 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

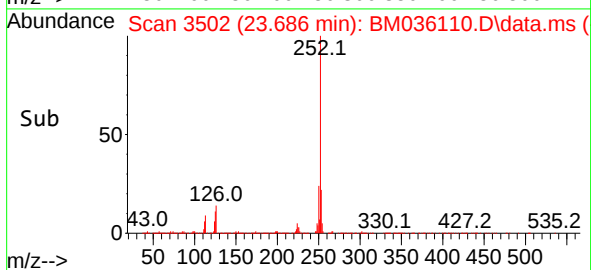
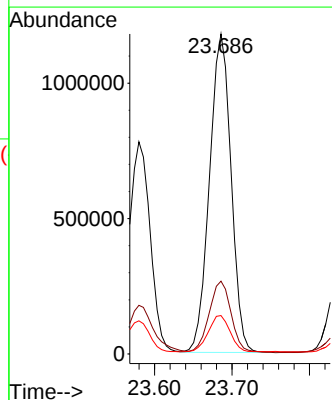
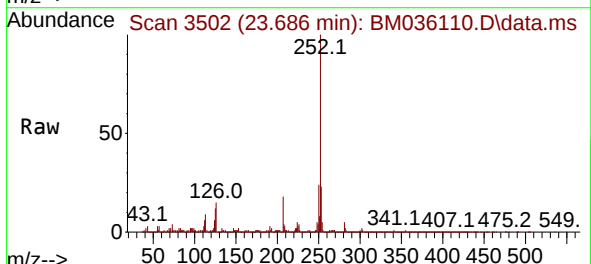
Instrument :
BNA_M
ClientSampleId :
TP3-1-6

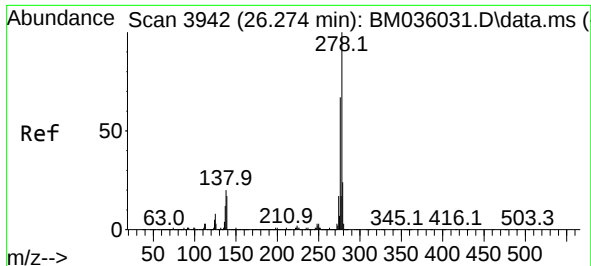
Tgt Ion:252 Resp: 3256933
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 11.8 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 38.670 ng
RT: 23.686 min Scan# 3502
Delta R.T. 0.006 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

Tgt Ion:252 Resp: 2279543
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 12.0 8.7 13.1

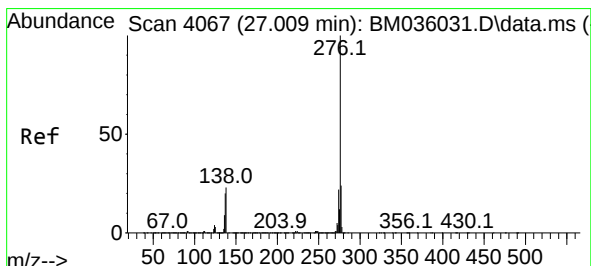
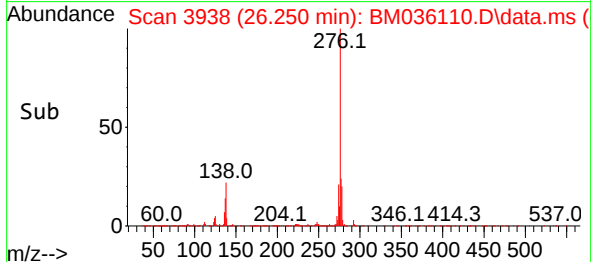
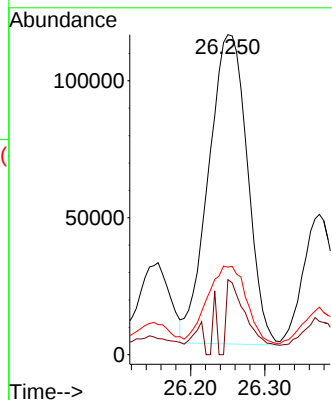
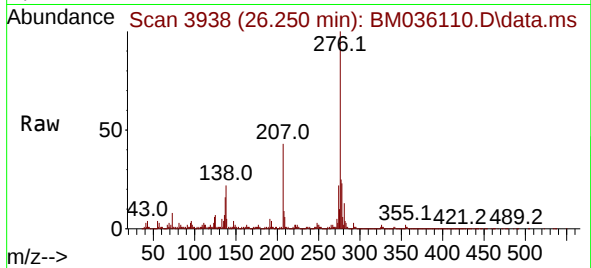




#91
Dibenzo(a,h)anthracene
Concen: 5.831 ng
RT: 26.250 min Scan# 3942
Delta R.T. -0.012 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

Instrument :
BNA_M
ClientSampleId :
TP3-1-6

Tgt Ion:278 Resp: 411327
Ion Ratio Lower Upper
278 100
139 23.5 12.9 19.3#
279 27.4 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 21.760 ng
RT: 27.003 min Scan# 4066
Delta R.T. 0.006 min
Lab File: BM036110.D
Acq: 04 Aug 2022 22:13

Tgt Ion:276 Resp: 1485971
Ion Ratio Lower Upper
276 100
277 24.5 18.7 28.1
138 23.4 17.6 26.4

