

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
 Data File : BM041231.D
 Acq On : 01 Aug 2023 19:01
 Operator : MA/JU
 Sample : 03812-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-1RE

Quant Time: Aug 02 01:56:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 31 16:29:28 2023
 Response via : Initial Calibration

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

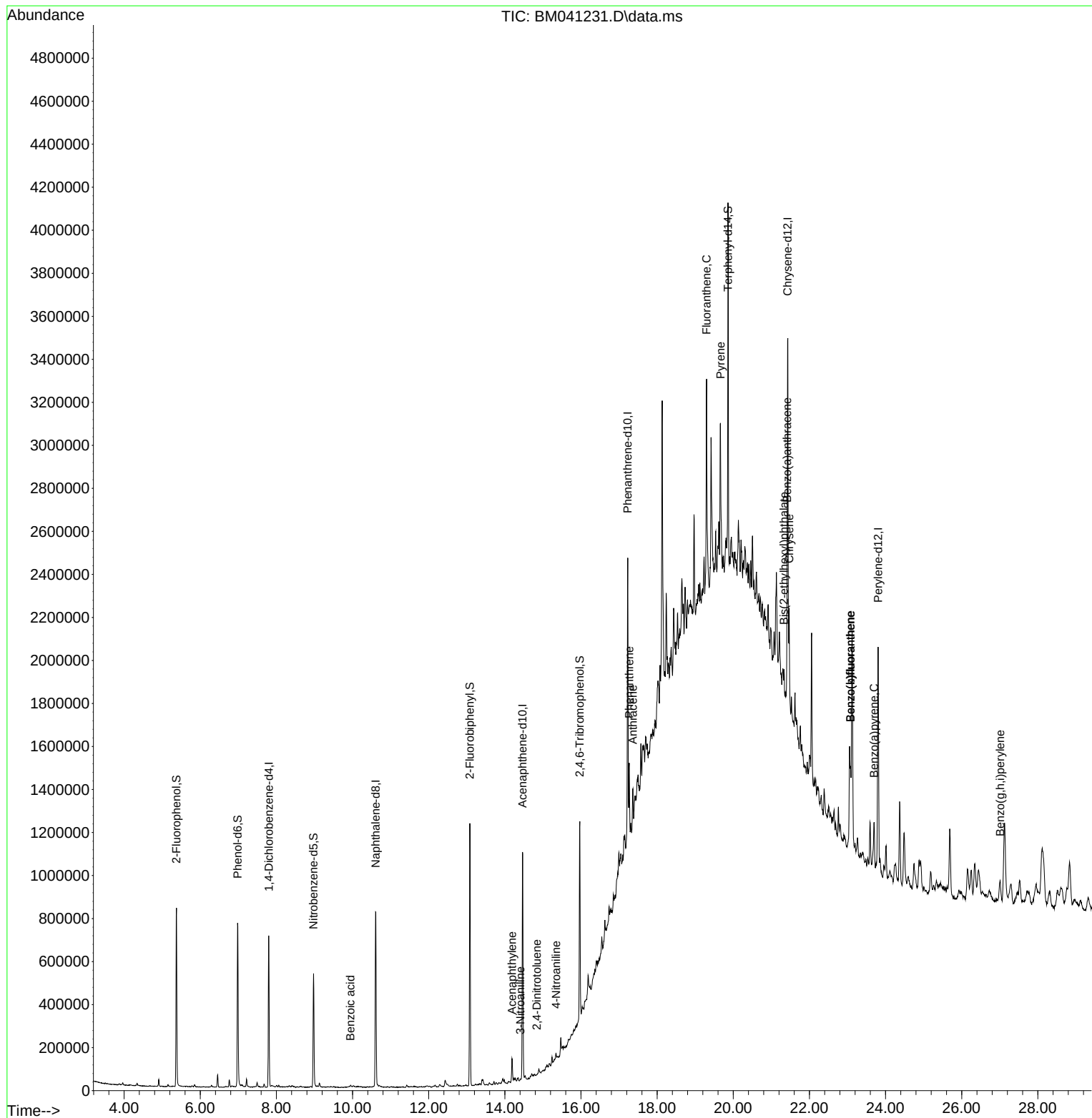
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	179769	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	661474	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	359119	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	746247	20.000	ng	0.00
76) Chrysene-d12	21.427	240	663458	20.000	ng	0.00
86) Perylene-d12	23.803	264	764781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	353244	29.368	ng	0.01
7) Phenol-d6	6.981	99	453342	29.077	ng	0.00
23) Nitrobenzene-d5	8.975	82	309630	21.768	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	172005	33.862	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	610703	21.482	ng	0.00
79) Terphenyl-d14	19.862	244	741965	20.220	ng	0.00
Target Compounds					Qvalue	
32) Benzoic acid	9.945	122	331	7.193	ng	# 13
49) Acenaphthylene	14.186	152	76924	2.192	ng	97
53) 3-Nitroaniline	14.404	138	695	2.679	ng	# 35
57) 2,4-Dinitrotoluene	14.839	165	154	2.689	ng	# 37
62) 4-Nitroaniline	15.345	138	2390	4.513	ng	91
71) Phenanthrene	17.268	178	167953	4.051	ng	# 94
72) Anthracene	17.363	178	102060	2.489	ng	# 91
75) Fluoranthene	19.298	202	482050	10.349	ng	96
78) Pyrene	19.662	202	432333	9.318	ng	97
81) Benzo(a)anthracene	21.415	228	196861	4.377	ng	93
83) Chrysene	21.468	228	252402	5.802	ng	97
84) Bis(2-ethylhexyl)phtha...	21.333	149	24387	3.398	ng	# 86
88) Benzo(b)fluoranthene	23.080	252	339509	7.473	ng	96
89) Benzo(k)fluoranthene	23.080	252	339509	7.305	ng	# 94
90) Benzo(a)pyrene	23.697	252	162678	3.726	ng	96
92) Benzo(g,h,i)perylene	27.009	276	132511	2.888	ng	96

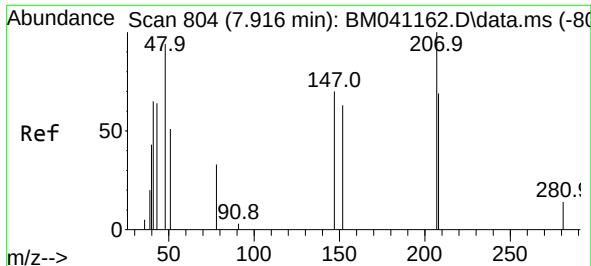
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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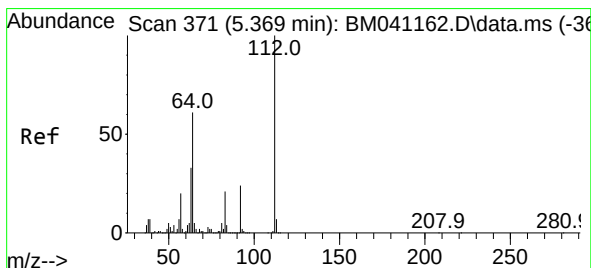
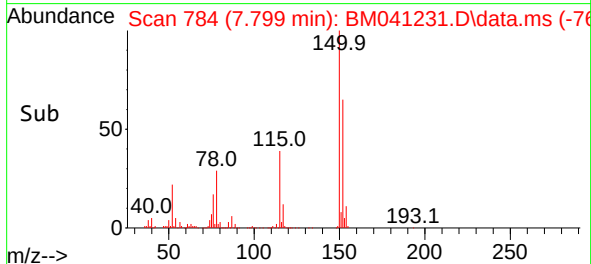
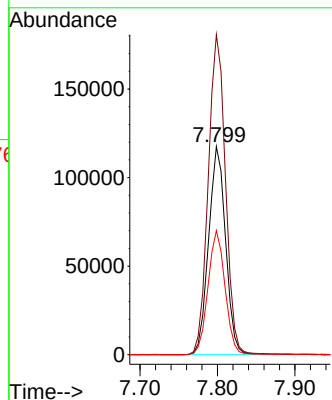
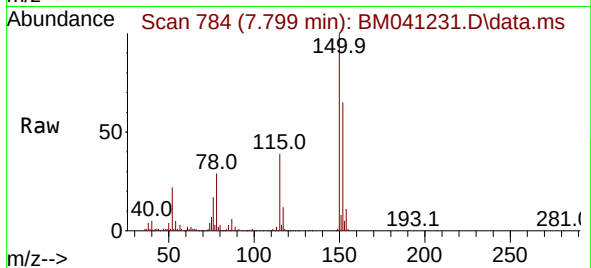




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 71
Delta R.T. 0.001 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

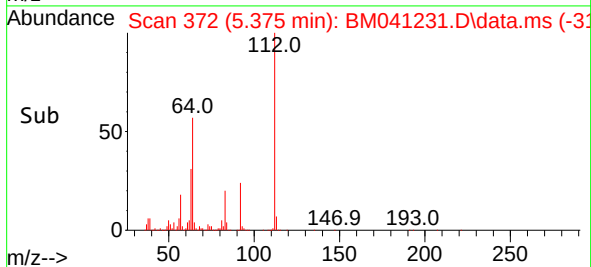
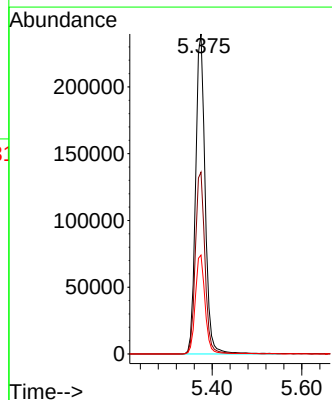
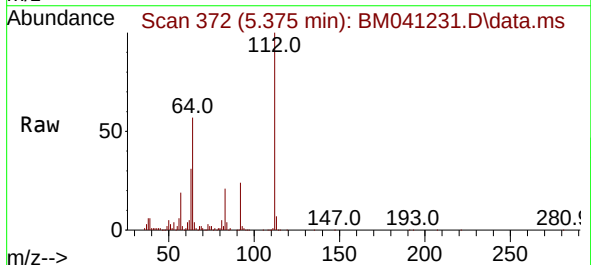
Instrument :
BNA_M
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WC-1RE

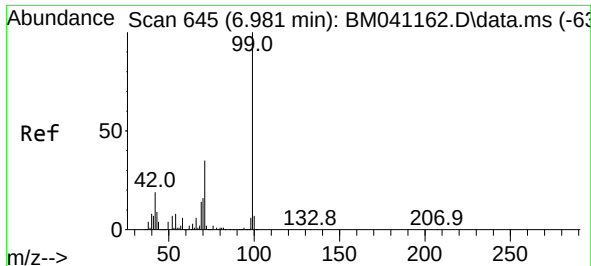
Tgt Ion:152 Resp: 179769
Ion Ratio Lower Upper
152 100
150 153.8 125.5 188.3
115 59.6 48.0 72.0



#5
2-Fluorophenol
Concen: 29.368 ng
RT: 5.375 min Scan# 372
Delta R.T. 0.012 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion:112 Resp: 353244
Ion Ratio Lower Upper
112 100
64 56.8 48.5 72.7
63 30.9 26.5 39.7

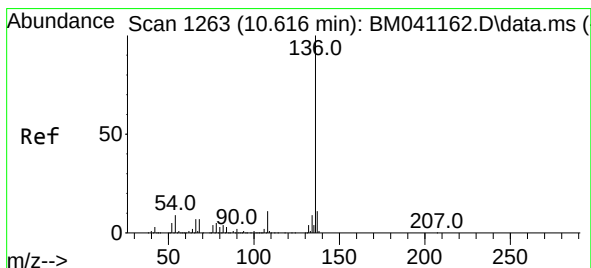
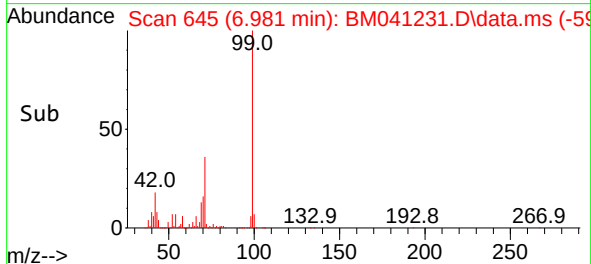
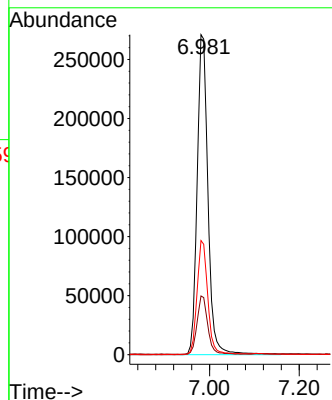
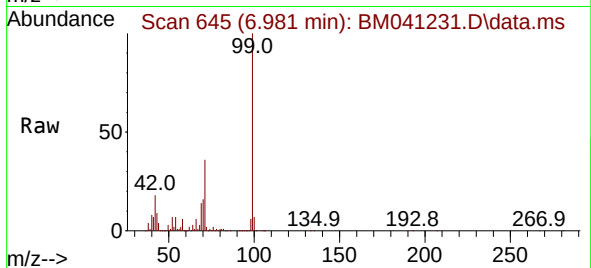




#7
Phenol-d6
Concen: 29.077 ng
RT: 6.981 min Scan# 645
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

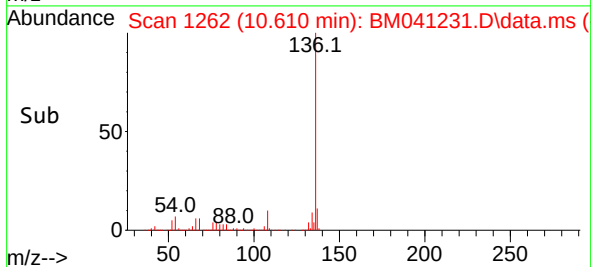
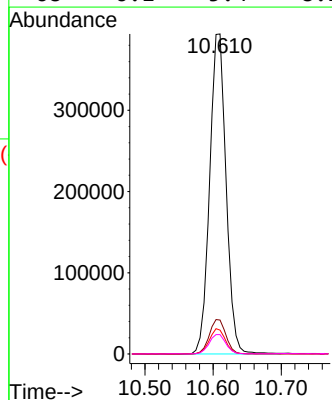
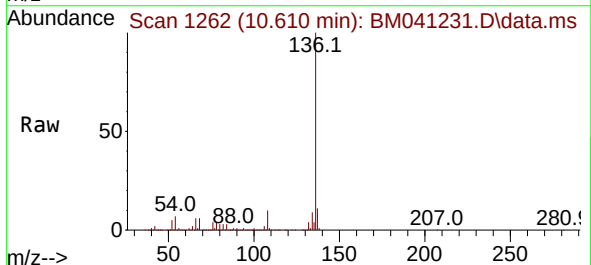
Instrument :
BNA_M
ClientSampleId :
WC-1RE

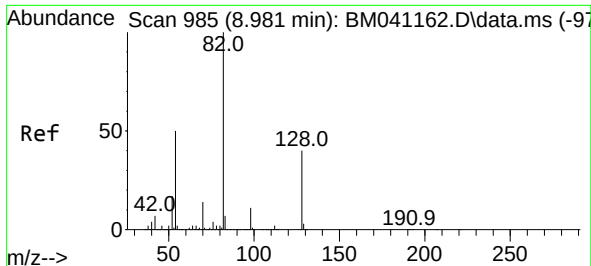
Tgt Ion: 99 Resp: 453342
Ion Ratio Lower Upper
99 100
42 18.3 15.4 23.0
71 35.6 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion: 136 Resp: 661474
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.5 6.9 10.3
68 6.1 5.4 8.2

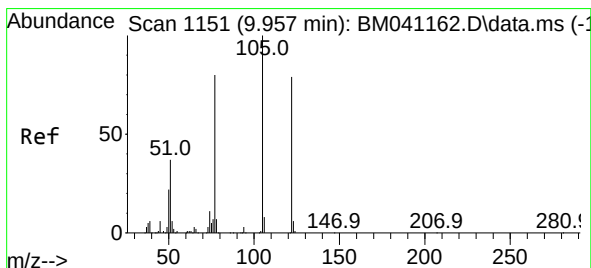
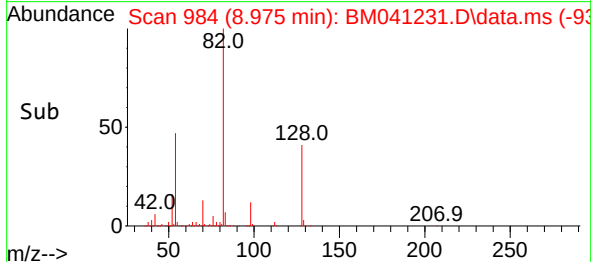
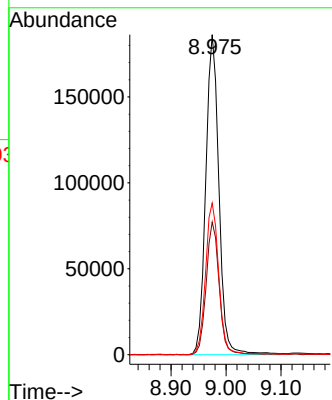
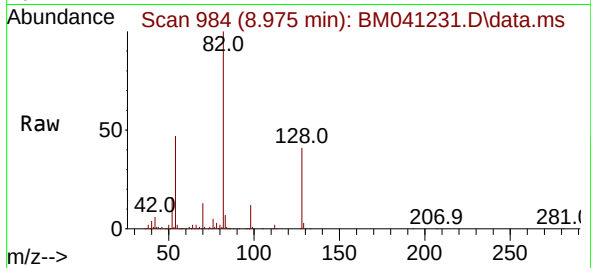




#23
Nitrobenzene-d5
Concen: 21.768 ng
RT: 8.975 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

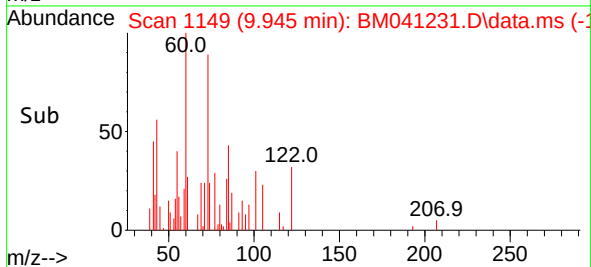
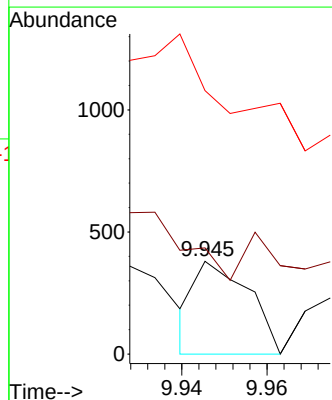
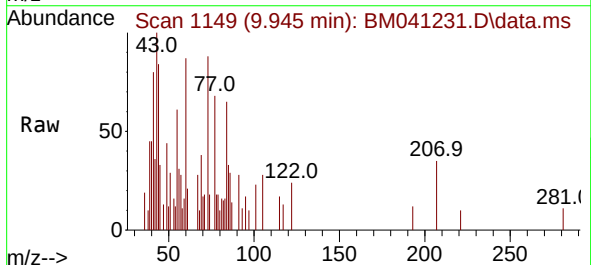
Instrument :
BNA_M
ClientSampleId :
WC-1RE

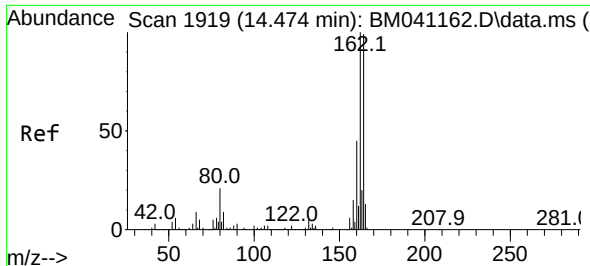
Tgt Ion: 82 Resp: 309630
Ion Ratio Lower Upper
82 100
128 41.4 31.8 47.6
54 47.4 40.1 60.1



#32
Benzoic acid
Concen: 7.193 ng
RT: 9.945 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion: 122 Resp: 331
Ion Ratio Lower Upper
122 100
105 114.5 104.0 144.0
77 283.9 79.9 119.9#

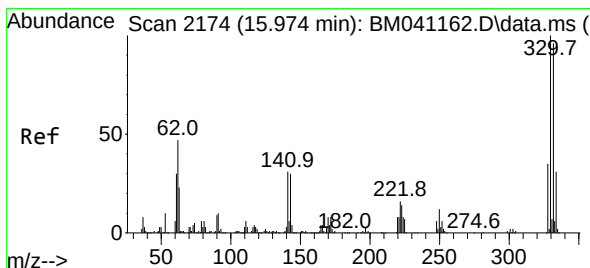
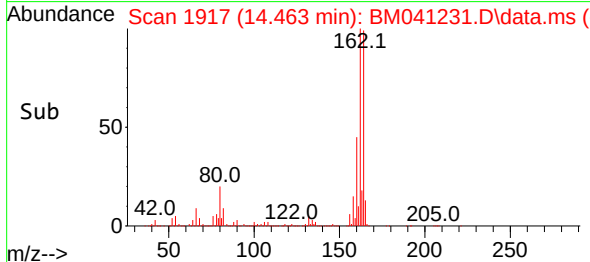
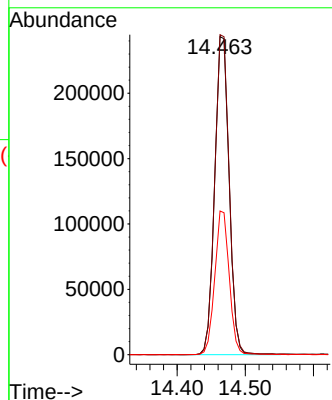
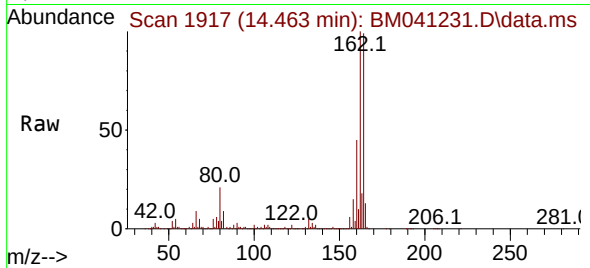




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

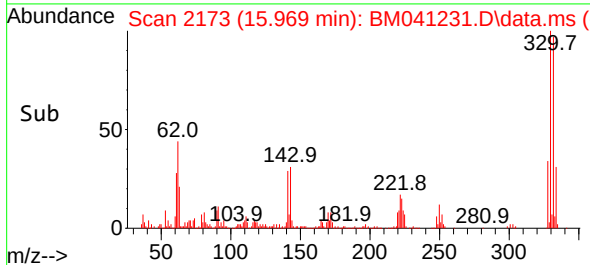
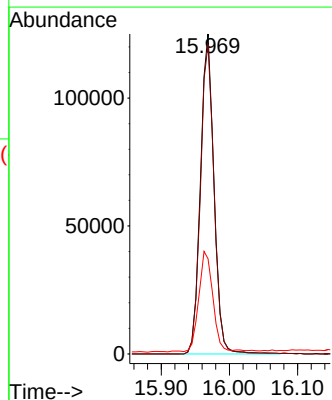
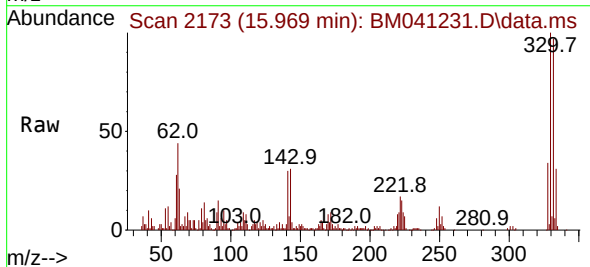
Instrument :
BNA_M
ClientSampleId :
WC-1RE

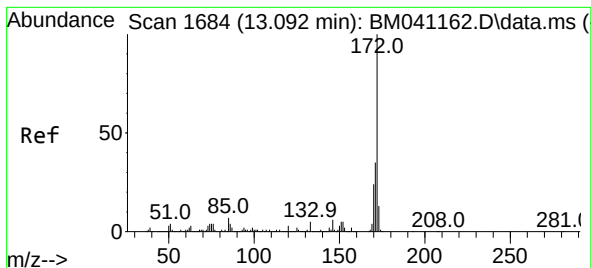
Tgt Ion:164 Resp: 359119
Ion Ratio Lower Upper
164 100
162 100.6 80.4 120.6
160 45.2 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 33.862 ng
RT: 15.969 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion:330 Resp: 172005
Ion Ratio Lower Upper
330 100
332 97.5 77.7 116.5
141 32.7 28.3 42.5





#45

2-Fluorobiphenyl

Concen: 21.482 ng

RT: 13.081 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

Instrument :

BNA_M

ClientSampleId :

WC-1RE

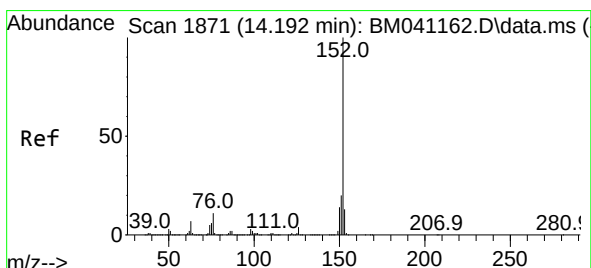
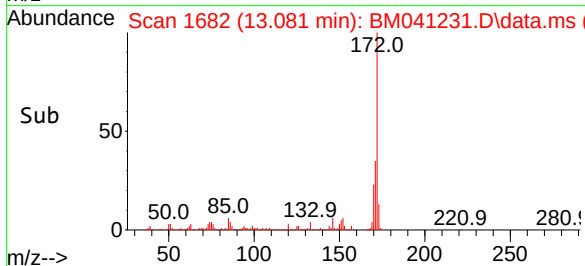
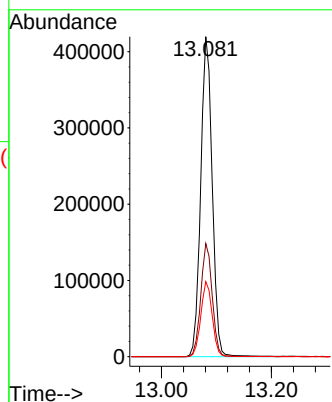
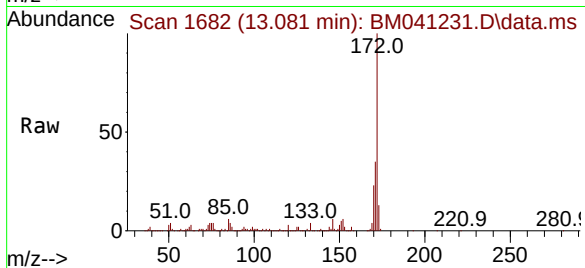
Tgt Ion:172 Resp: 610703

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.5 18.9 28.3



#49

Acenaphthylene

Concen: 2.192 ng

RT: 14.186 min Scan# 1870

Delta R.T. 0.000 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

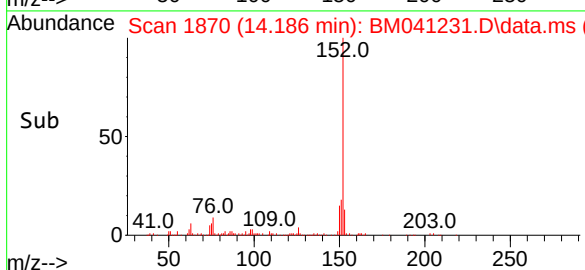
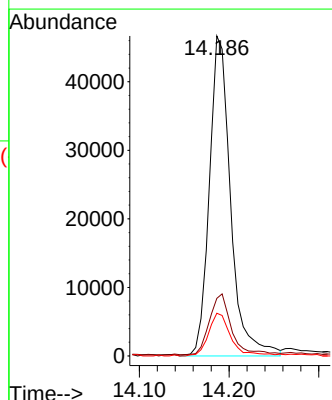
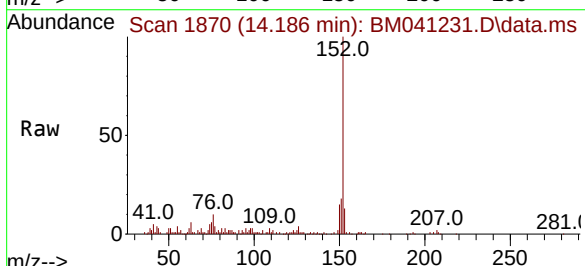
Tgt Ion:152 Resp: 76924

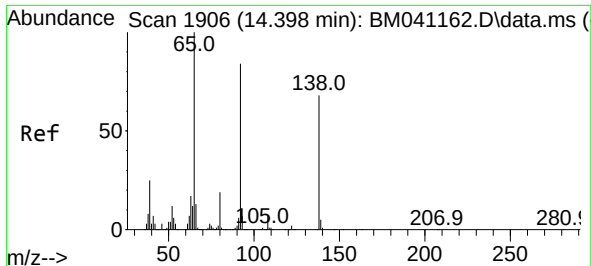
Ion Ratio Lower Upper

152 100

151 18.0 16.1 24.1

153 13.3 10.5 15.7

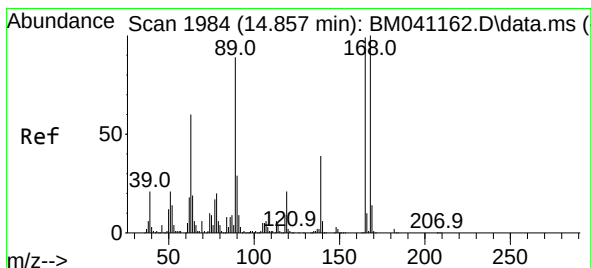
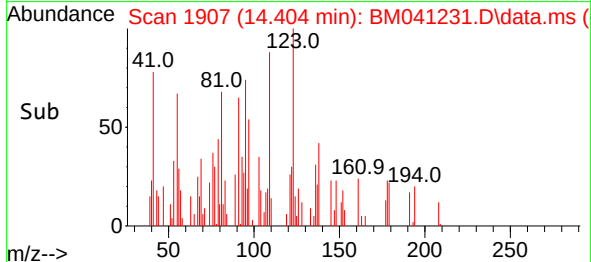
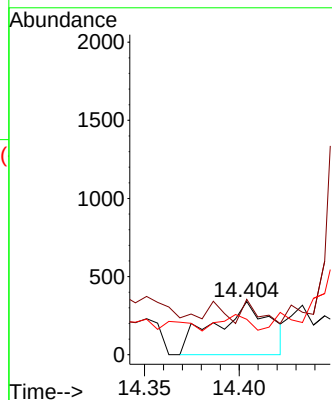
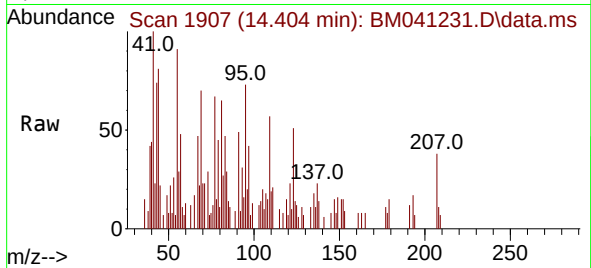




#53
3-Nitroaniline
Concen: 2.679 ng
RT: 14.404 min Scan# 1906
Delta R.T. 0.012 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

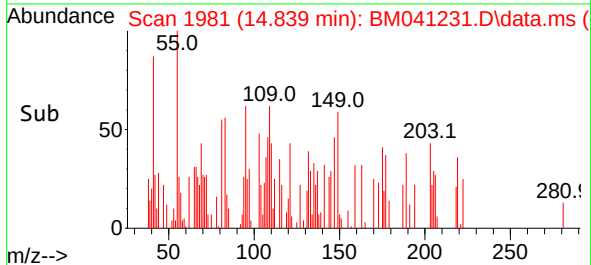
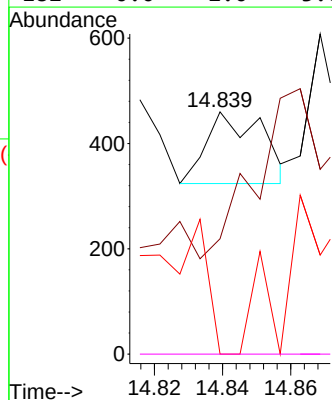
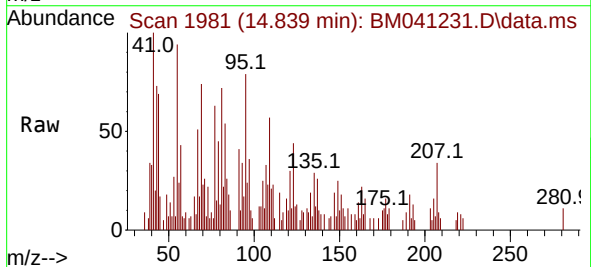
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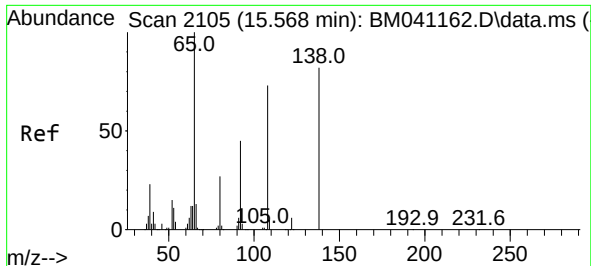
Tgt Ion:138 Resp: 695
Ion Ratio Lower Upper
138 100
108 104.4 7.6 11.4#
92 66.8 98.9 148.3#



#57
2,4-Dinitrotoluene
Concen: 2.689 ng
RT: 14.839 min Scan# 1981
Delta R.T. -0.012 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion:165 Resp: 154
Ion Ratio Lower Upper
165 100
63 47.6 48.3 72.5#
89 0.0 71.8 107.8#
182 0.0 2.0 3.0#

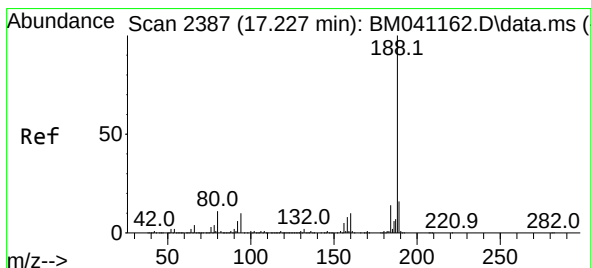
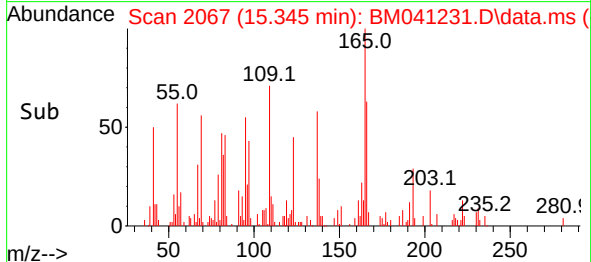
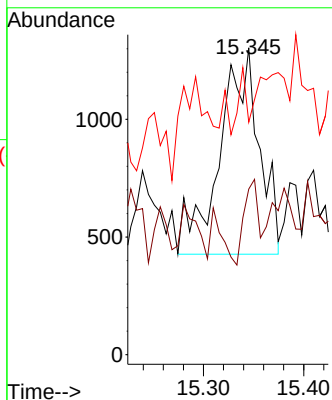
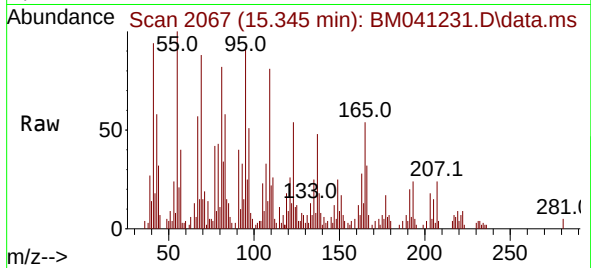




#62
4-Nitroaniline
Concen: 4.513 ng
RT: 15.345 min Scan# 2067
Delta R.T. -0.217 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

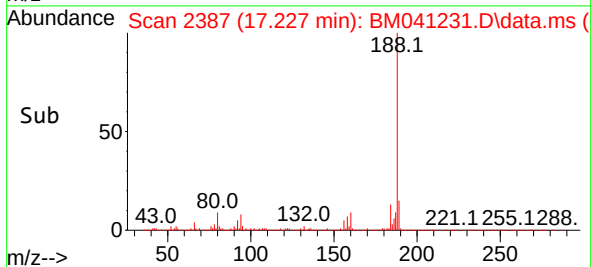
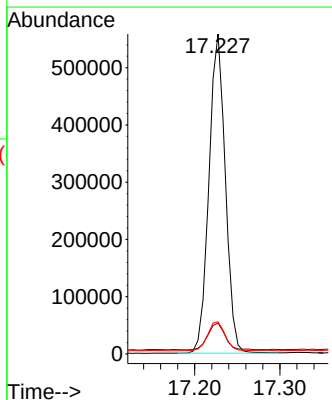
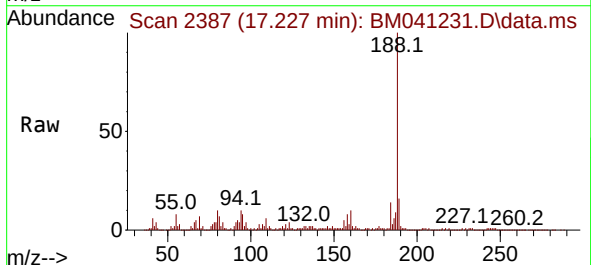
Instrument :
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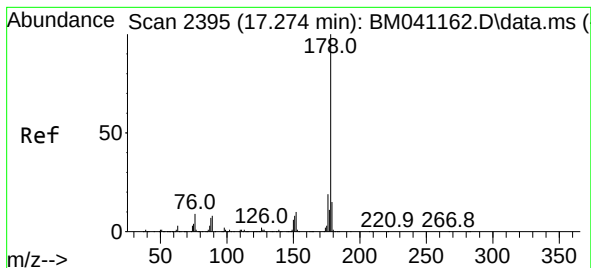
Tgt Ion:138 Resp: 2390
Ion Ratio Lower Upper
138 100
92 54.0 35.1 75.1
108 75.8 67.8 107.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2387
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion:188 Resp: 746247
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.2
80 10.1 8.6 13.0





#71

Phenanthrene

Concen: 4.051 ng

RT: 17.268 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

Instrument :

BNA_M

ClientSampleId :

WC-1RE

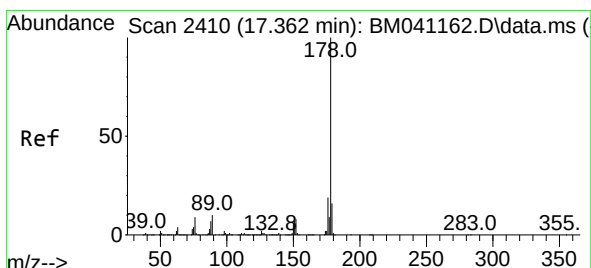
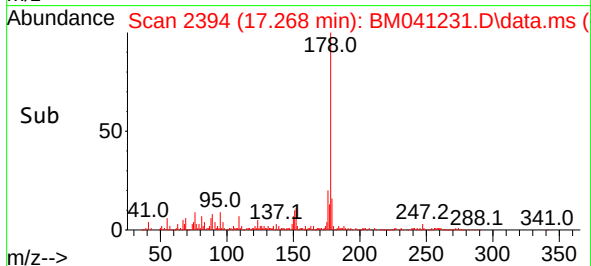
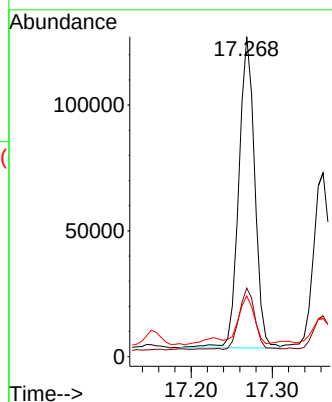
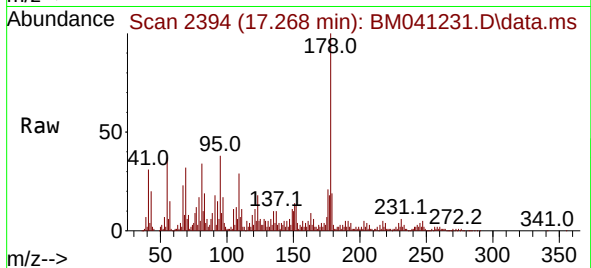
Tgt Ion:178 Resp: 167953

Ion Ratio Lower Upper

178 100

176 21.5 15.6 23.4

179 19.0 12.1 18.1#



#72

Anthracene

Concen: 2.489 ng

RT: 17.363 min Scan# 2410

Delta R.T. 0.006 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

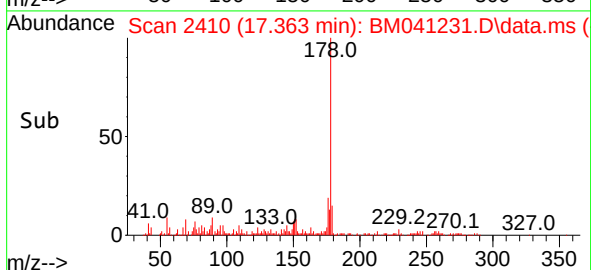
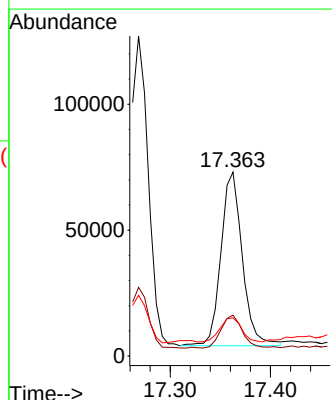
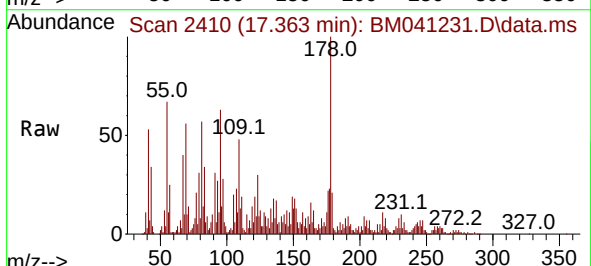
Tgt Ion:178 Resp: 102060

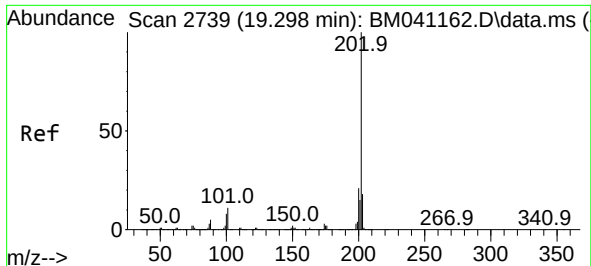
Ion Ratio Lower Upper

178 100

176 22.2 15.2 22.8

179 20.7 12.4 18.6#

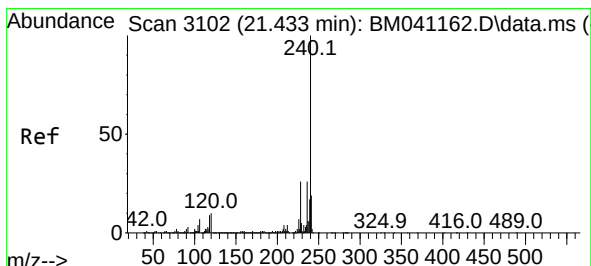
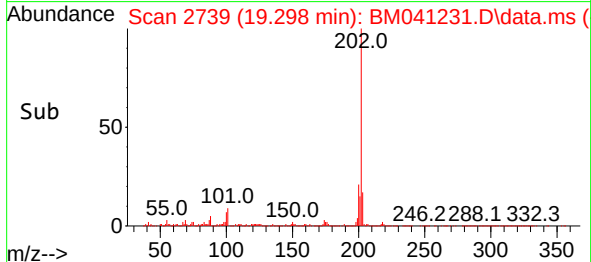
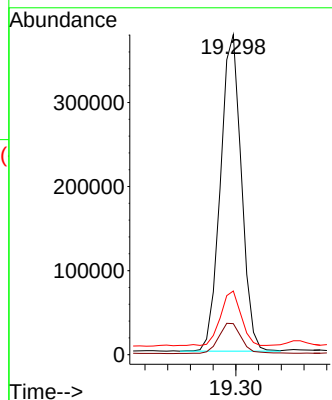
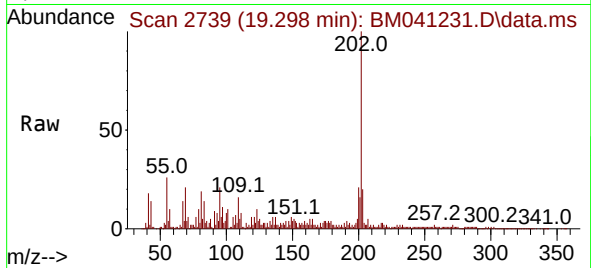




#75
Fluoranthene
Concen: 10.349 ng
RT: 19.298 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

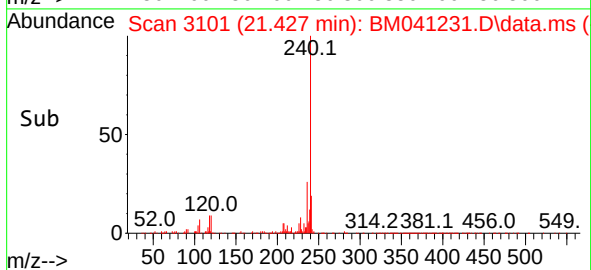
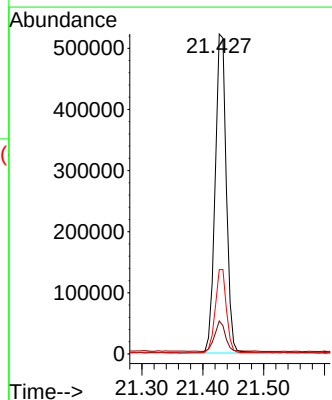
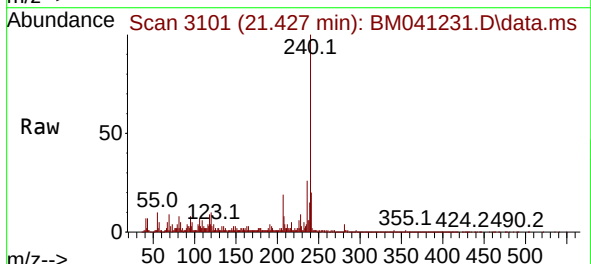
Instrument :
BNA_M
ClientSampleId :
WC-1RE

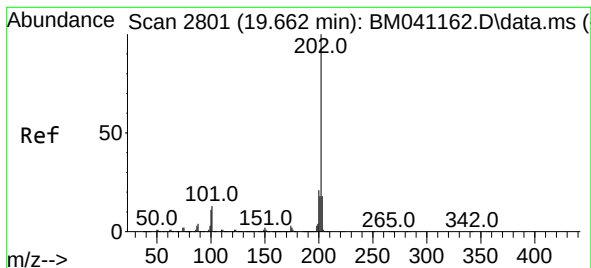
Tgt Ion:202 Resp: 482050
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.8
203 19.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion:240 Resp: 663458
Ion Ratio Lower Upper
240 100
120 10.3 8.3 12.5
236 26.3 20.6 30.8





#78

Pyrene

Concen: 9.318 ng

RT: 19.662 min Scan# 2801

Delta R.T. 0.006 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

Instrument :

BNA_M

ClientSampleId :

WC-1RE

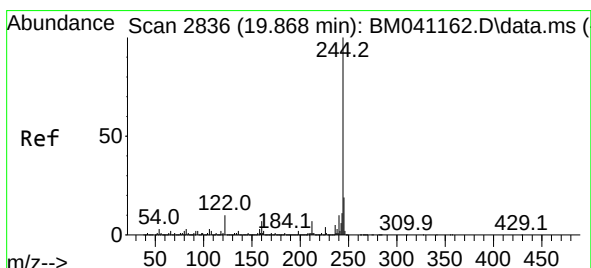
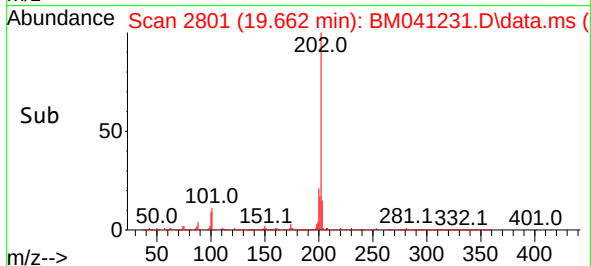
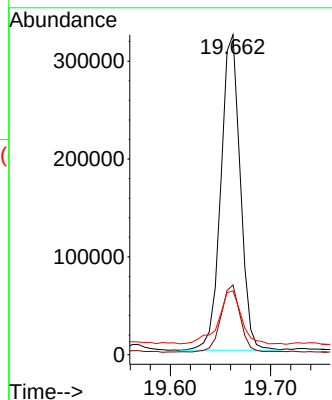
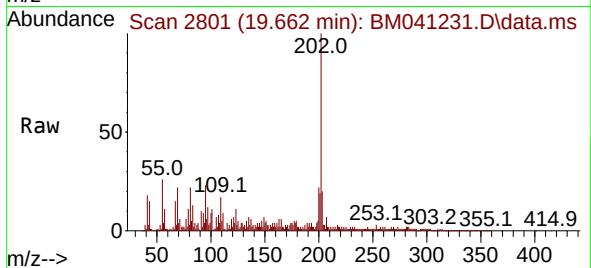
Tgt Ion:202 Resp: 432333

Ion Ratio Lower Upper

202 100

200 21.8 16.9 25.3

203 20.0 14.1 21.1



#79

Terphenyl-d14

Concen: 20.220 ng

RT: 19.862 min Scan# 2835

Delta R.T. 0.000 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

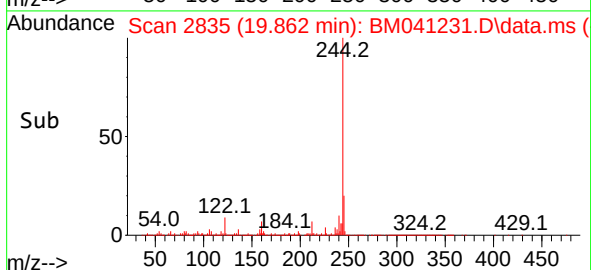
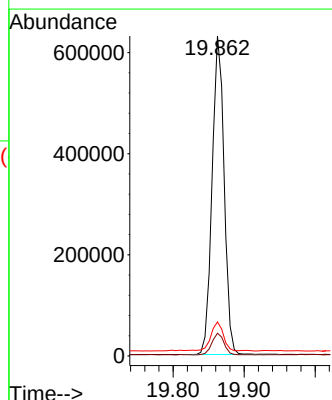
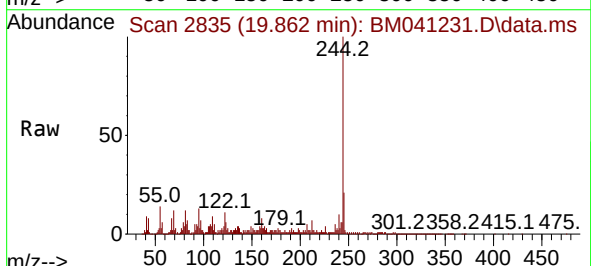
Tgt Ion:244 Resp: 741965

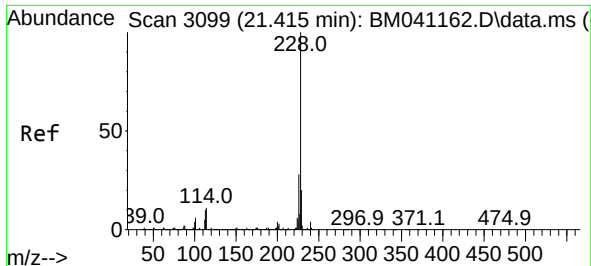
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.6 7.8 11.6

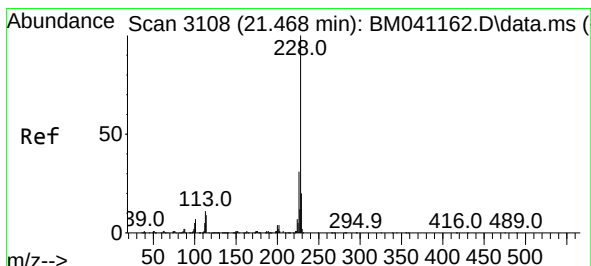
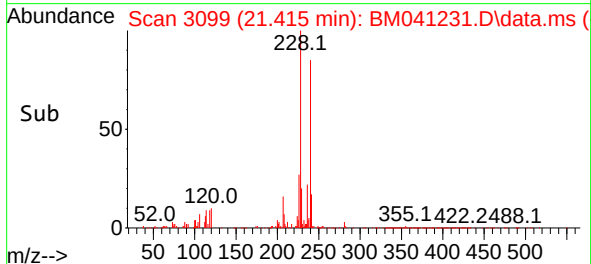
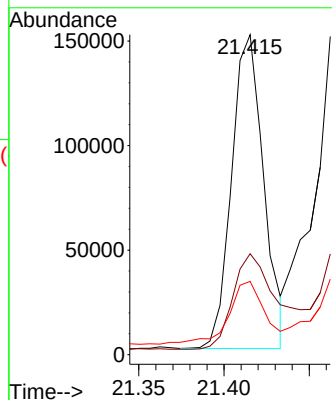
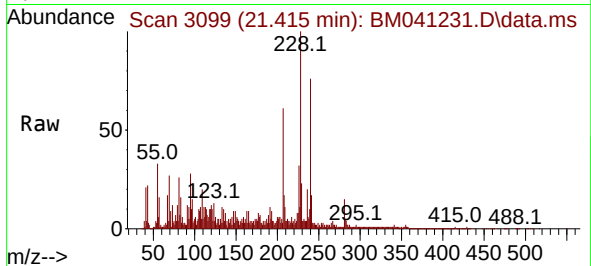




#81
Benzo(a)anthracene
Concen: 4.377 ng
RT: 21.415 min Scan# 3099
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

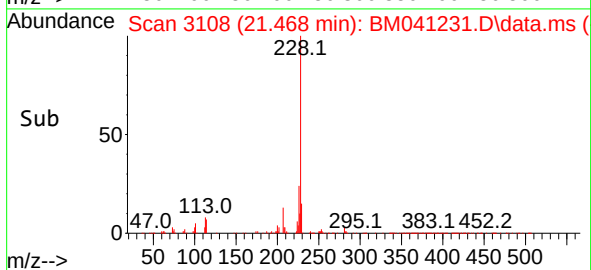
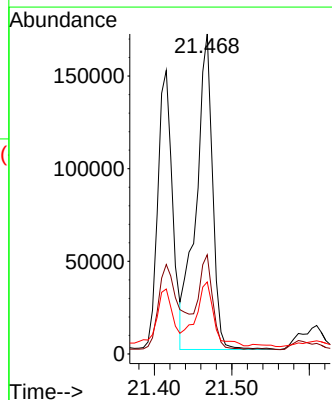
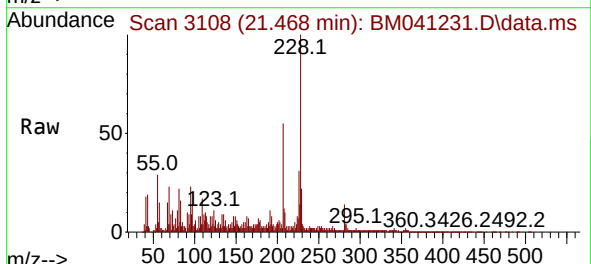
Instrument :
BNA_M
ClientSampleId :
WC-1RE

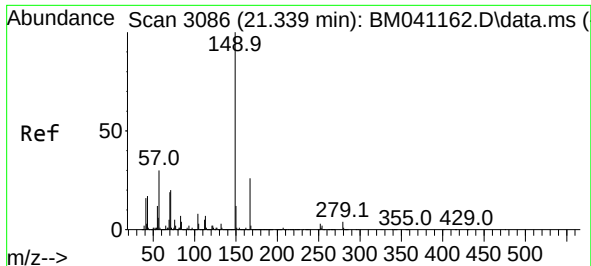
Tgt Ion:228 Resp: 196861
Ion Ratio Lower Upper
228 100
226 31.5 22.4 33.6
229 22.9 15.8 23.8



#83
Chrysene
Concen: 5.802 ng
RT: 21.468 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion:228 Resp: 252402
Ion Ratio Lower Upper
228 100
226 31.0 24.5 36.7
229 22.5 15.8 23.8

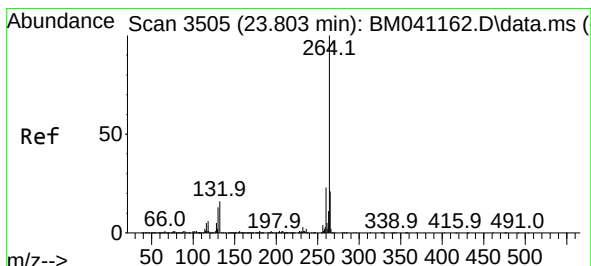
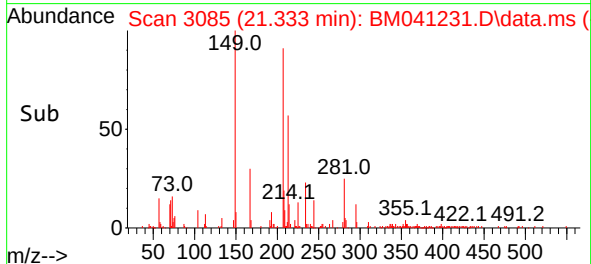
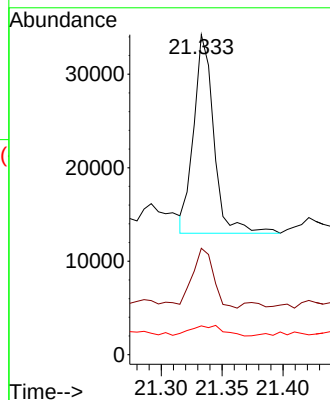
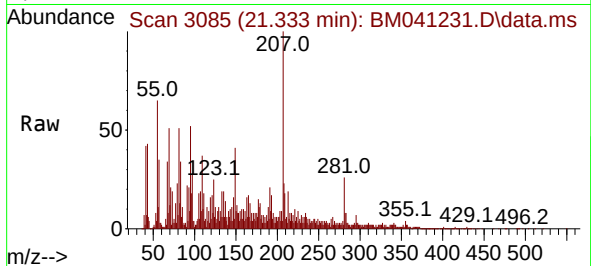




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.398 ng
RT: 21.333 min Scan# 3085
Delta R.T. -0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

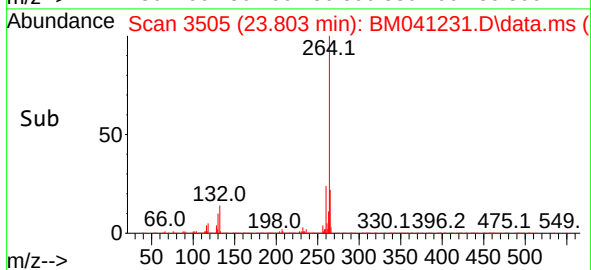
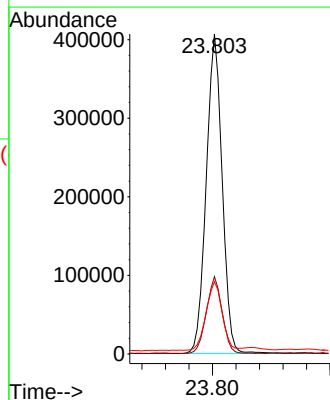
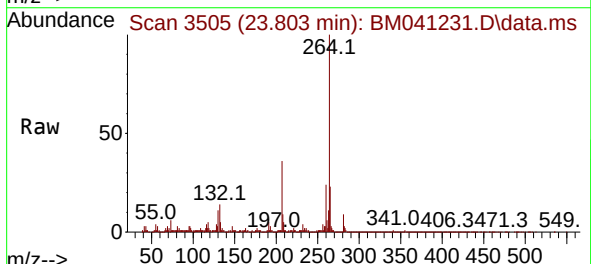
Instrument :
BNA_M
ClientSampleId :
WC-1RE

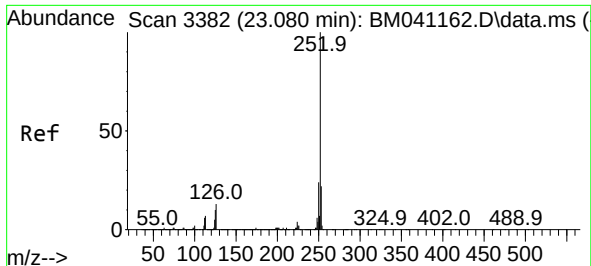
Tgt Ion:149 Resp: 24387
Ion Ratio Lower Upper
149 100
167 33.3 21.0 31.6#
279 9.0 3.1 4.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.803 min Scan# 3505
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion:264 Resp: 764781
Ion Ratio Lower Upper
264 100
260 24.1 18.5 27.7
265 22.6 17.4 26.0

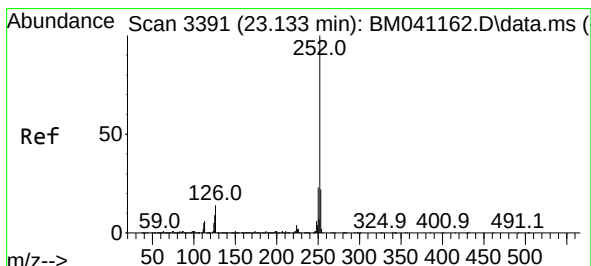
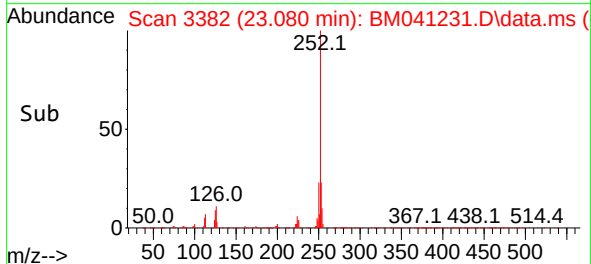
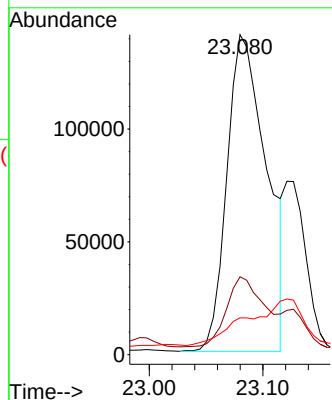
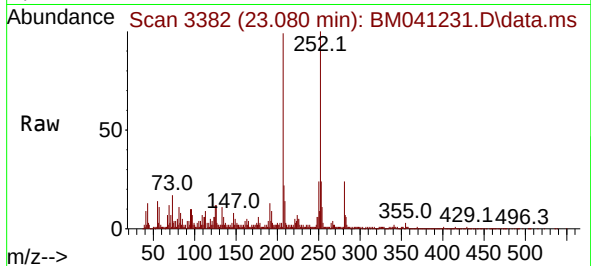




#88
Benzo(b)fluoranthene
Concen: 7.473 ng
RT: 23.080 min Scan# 3382
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

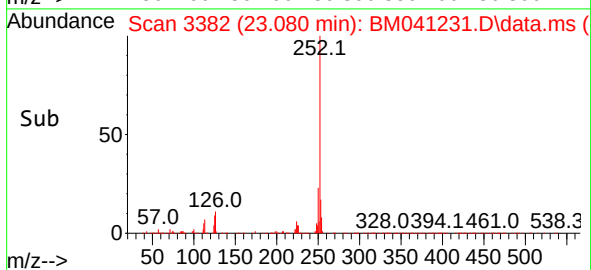
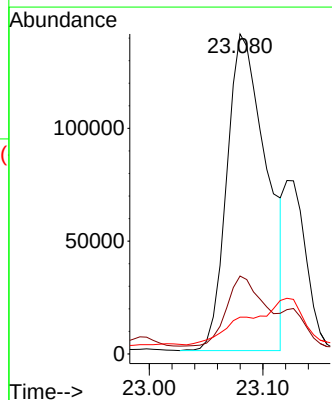
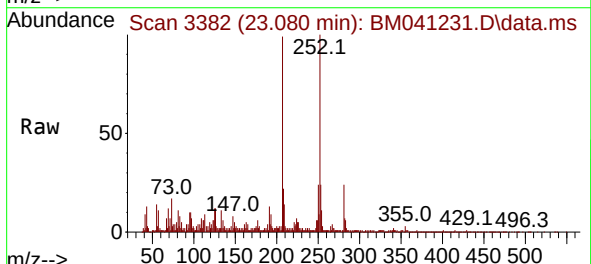
Instrument :
BNA_M
ClientSampleId :
WC-1RE

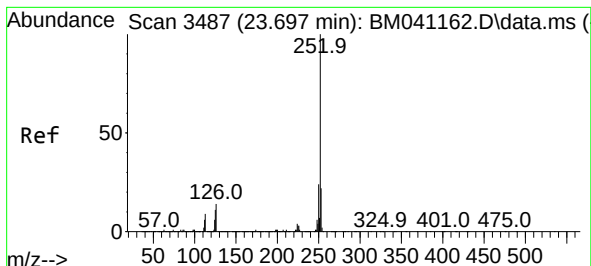
Tgt Ion:252 Resp: 339509
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 11.5 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 7.305 ng
RT: 23.080 min Scan# 3382
Delta R.T. -0.041 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion:252 Resp: 339509
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 11.5 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 3.726 ng

RT: 23.697 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

Instrument :

BNA_M

ClientSampleId :

WC-1RE

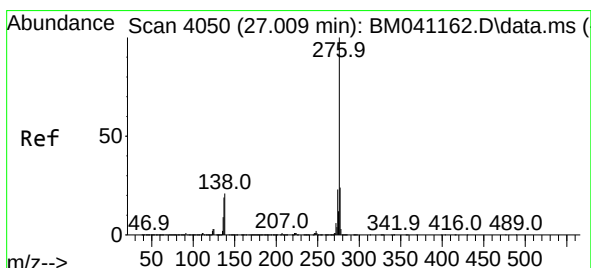
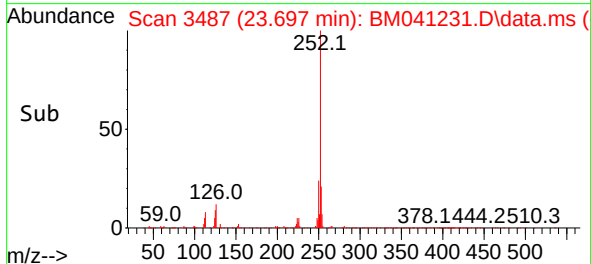
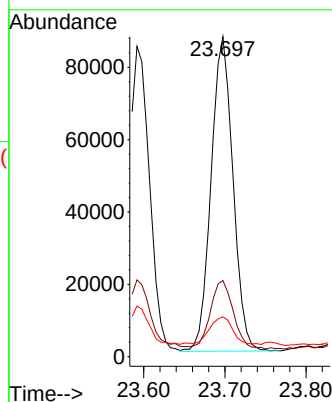
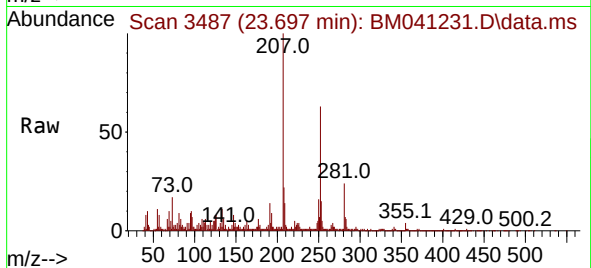
Tgt Ion:252 Resp: 162678

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 12.4 9.0 13.4



#92

Benzo(g,h,i)perylene

Concen: 2.888 ng

RT: 27.009 min Scan# 4050

Delta R.T. 0.012 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

Tgt Ion:276 Resp: 132511

Ion Ratio Lower Upper

276 100

277 26.1 19.1 28.7

138 19.4 17.1 25.7

