

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080223\
 Data File : BM041237.D
 Acq On : 02 Aug 2023 10:21
 Operator : MA/JU
 Sample : 03848-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-073123

Quant Time: Aug 03 03:05:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 19:20:51 2023
 Response via : Initial Calibration

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

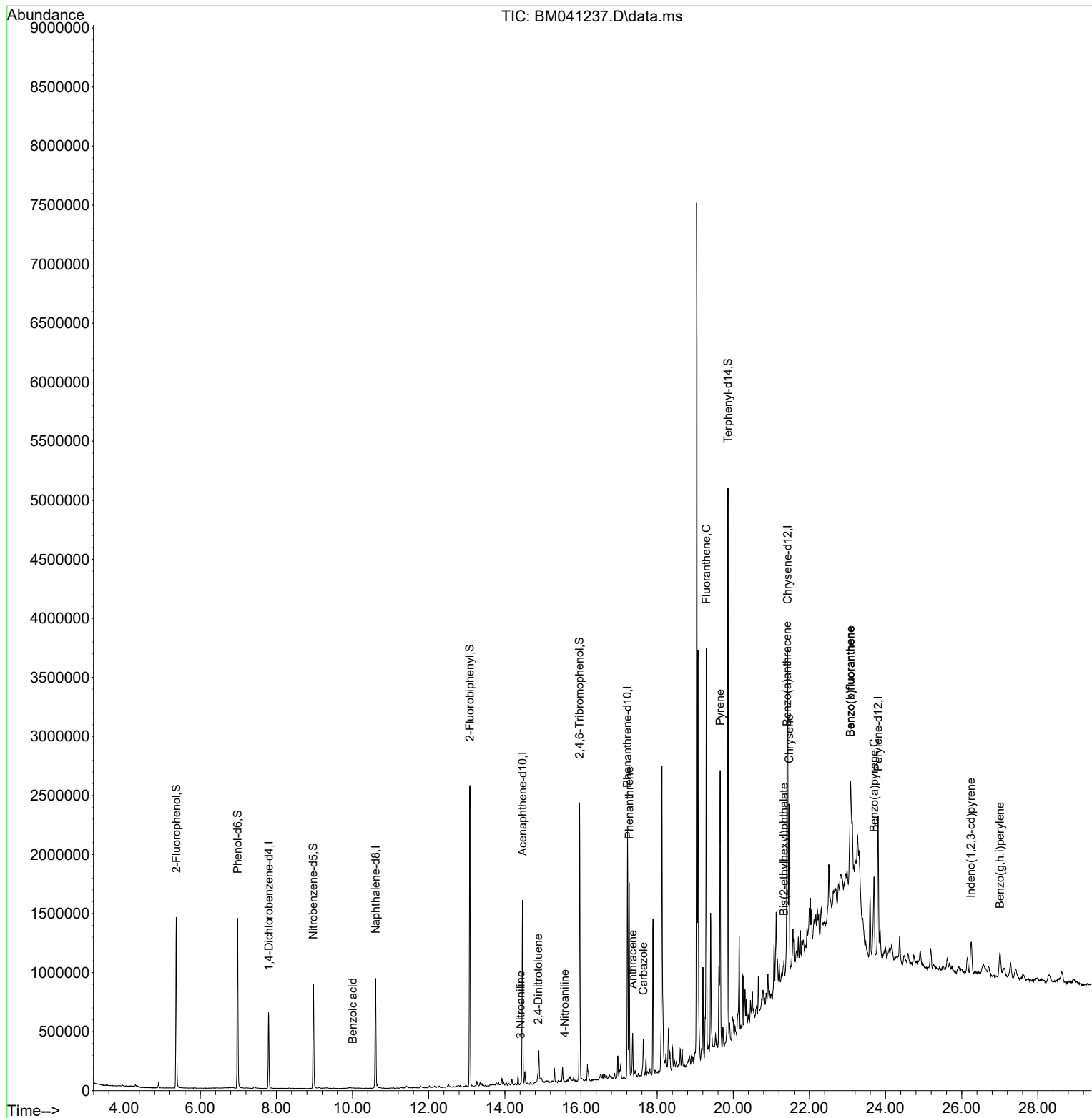
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	167106	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	740422	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	503097	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1186817	20.000	ng	0.00
76) Chrysene-d12	21.427	240	914514	20.000	ng	0.00
86) Perylene-d12	23.803	264	891528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	603834	54.007	ng	0.00
7) Phenol-d6	6.981	99	800176	55.211	ng	0.00
23) Nitrobenzene-d5	8.969	82	508495	31.938	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	414024	58.182	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	1249991	31.387	ng	0.00
79) Terphenyl-d14	19.862	244	2201110	43.517	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.004	122	478	7.204	ng	# 1
53) 3-Nitroaniline	14.410	138	187	2.597	ng	# 88
57) 2,4-Dinitrotoluene	14.874	165	499	2.713	ng	# 62
62) 4-Nitroaniline	15.574	138	134	4.162	ng	# 62
71) Phenanthrene	17.268	178	974513	14.779	ng	100
72) Anthracene	17.356	178	216573	3.321	ng	99
73) Carbazole	17.639	167	187763	3.181	ng	99
75) Fluoranthene	19.292	202	1748989	23.609	ng	100
78) Pyrene	19.656	202	1394839	21.810	ng	100
81) Benzo(a)anthracene	21.409	228	825346	13.313	ng	99
83) Chrysene	21.468	228	776987	12.957	ng	97
84) Bis(2-ethylhexyl)phtha...	21.333	149	40773	3.580	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.244	276	281110	4.289	ng	# 94
88) Benzo(b)fluoranthene	23.080	252	827002	15.615	ng	98
89) Benzo(k)fluoranthene	23.080	252	827002	15.265	ng	97
90) Benzo(a)pyrene	23.697	252	498420	9.794	ng	96
92) Benzo(g,h,i)perylene	27.003	276	266401	4.980	ng	97

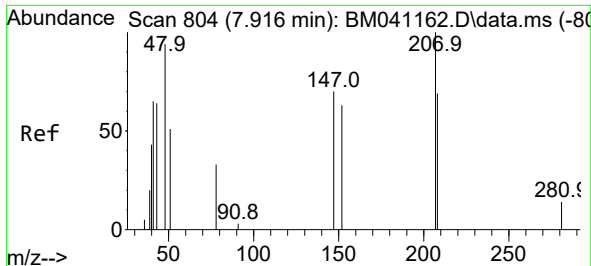
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080223\
Data File : BM041237.D
Acq On : 02 Aug 2023 10:21
Operator : MA/JU
Sample : 03848-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-02-073123

Quant Time: Aug 03 03:05:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 19:20:51 2023
Response via : Initial Calibration

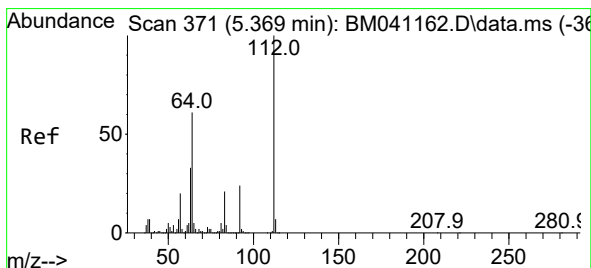
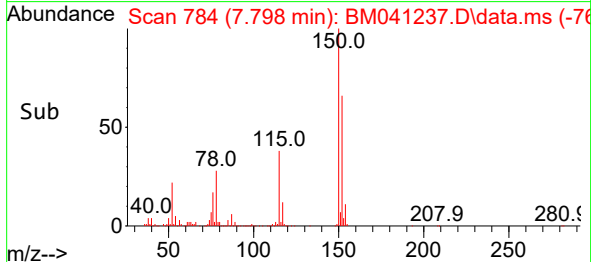
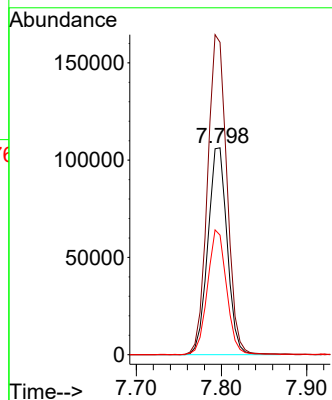
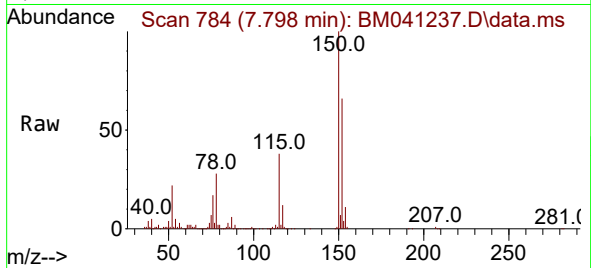




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 71
Delta R.T. 0.005 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

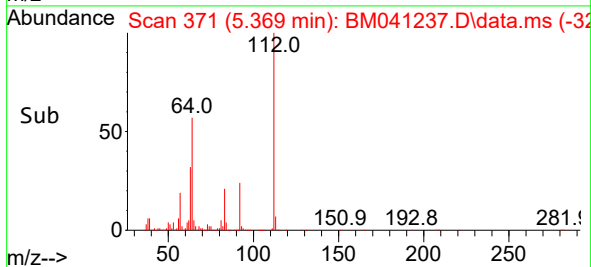
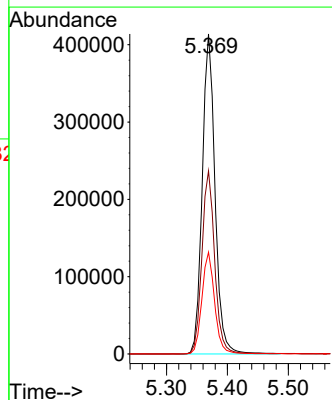
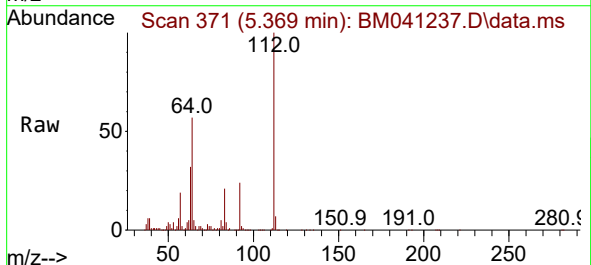
Instrument :
BNA_M
ClientSampleId :
SU-02-073123

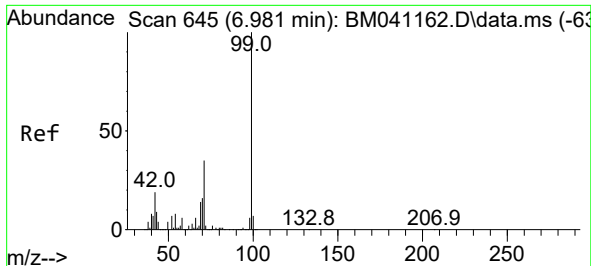
Tgt Ion:152 Resp: 167106
Ion Ratio Lower Upper
152 100
150 151.0 125.5 188.3
115 57.8 48.0 72.0



#5
2-Fluorophenol
Concen: 54.007 ng
RT: 5.369 min Scan# 371
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion:112 Resp: 603834
Ion Ratio Lower Upper
112 100
64 57.2 48.5 72.7
63 31.8 26.5 39.7

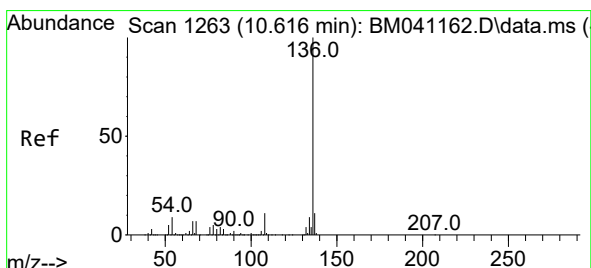
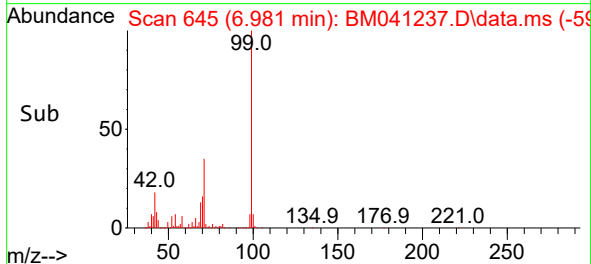
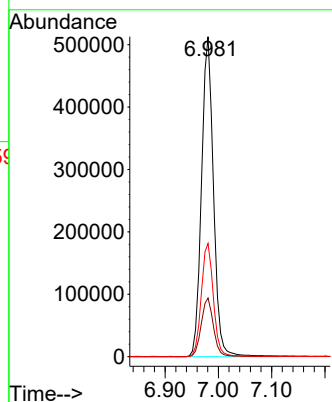
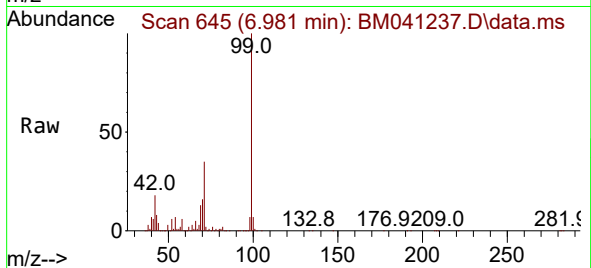




#7
Phenol-d6
Concen: 55.211 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

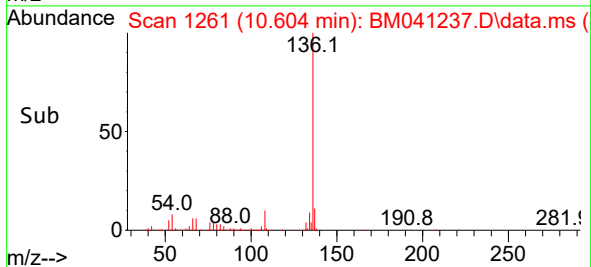
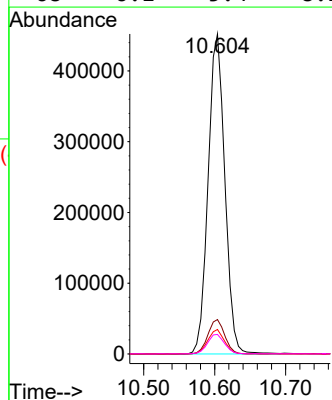
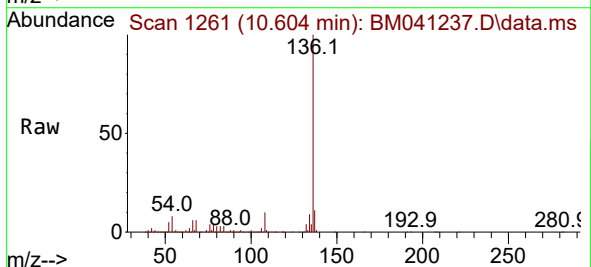
Instrument :
BNA_M
ClientSampleId :
SU-02-073123

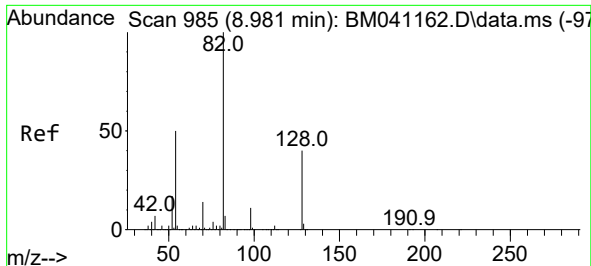
Tgt Ion: 99 Resp: 800176
Ion Ratio Lower Upper
99 100
42 18.4 15.4 23.0
71 35.4 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion: 136 Resp: 740422
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 6.9 10.3
68 6.1 5.4 8.2

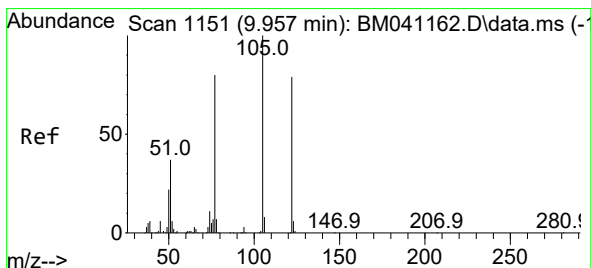
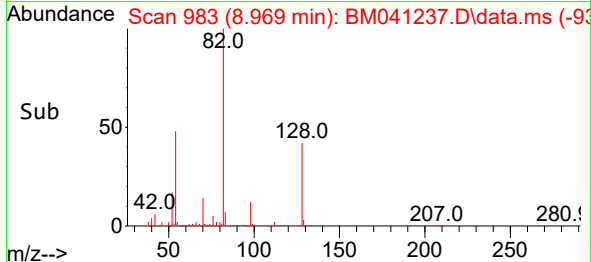
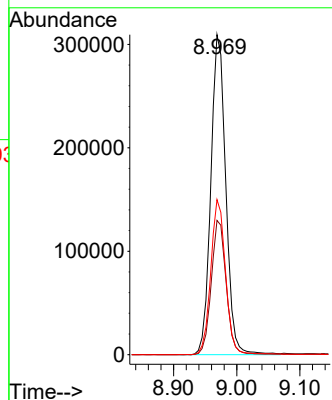
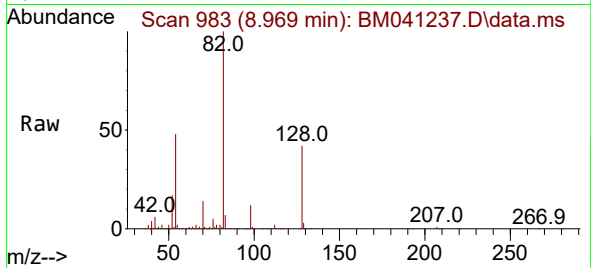




#23
Nitrobenzene-d5
Concen: 31.938 ng
RT: 8.969 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

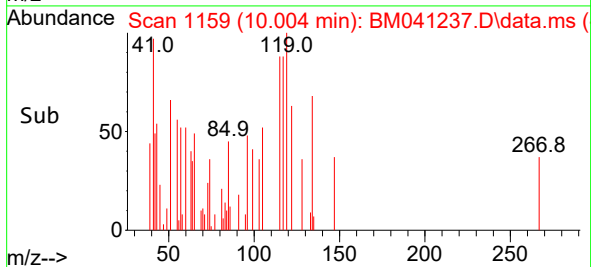
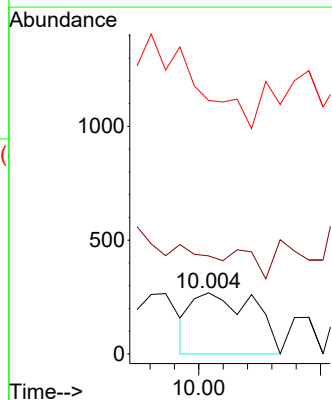
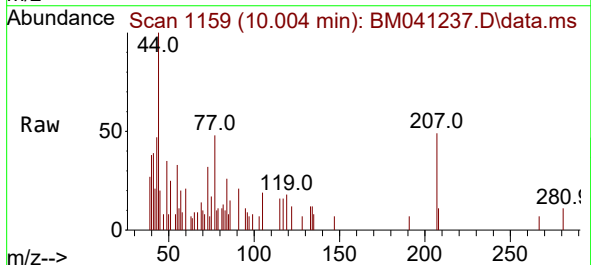
Instrument :
BNA_M
ClientSampleId :
SU-02-073123

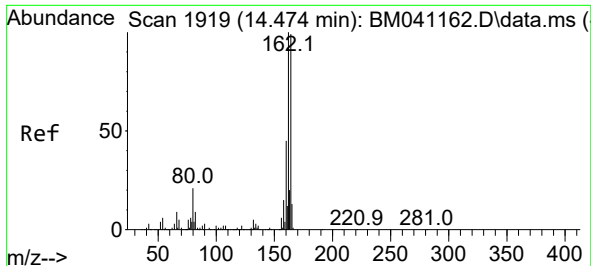
Tgt Ion: 82 Resp: 508495
Ion Ratio Lower Upper
82 100
128 42.0 31.8 47.6
54 48.4 40.1 60.1



#32
Benzoic acid
Concen: 7.204 ng
RT: 10.004 min Scan# 1159
Delta R.T. 0.047 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion: 122 Resp: 478
Ion Ratio Lower Upper
122 100
105 160.2 104.0 144.0#
77 414.1 79.9 119.9#

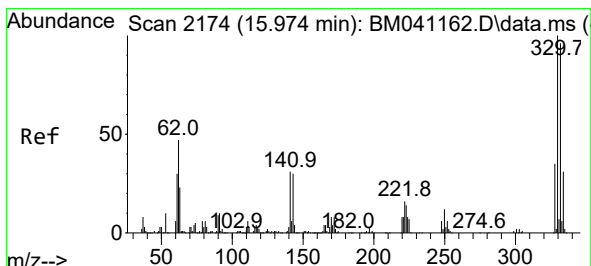
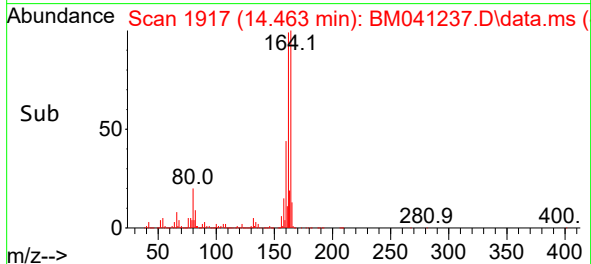
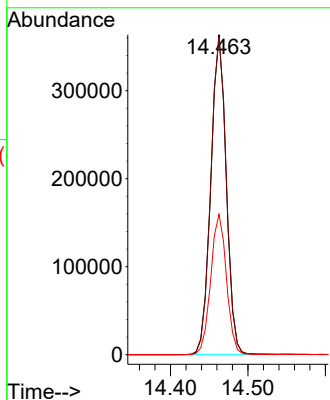
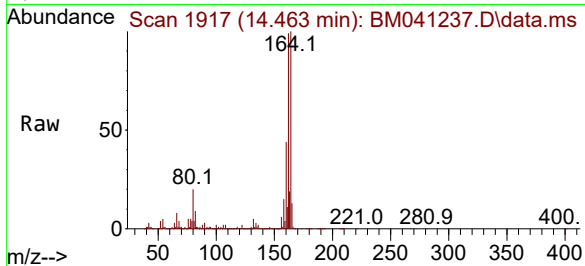




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

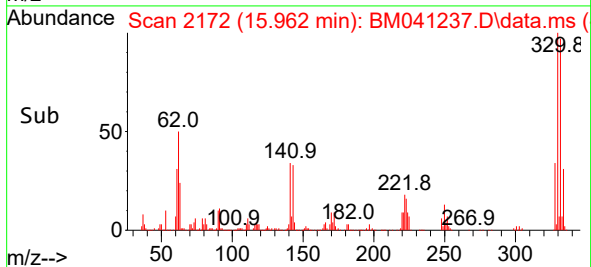
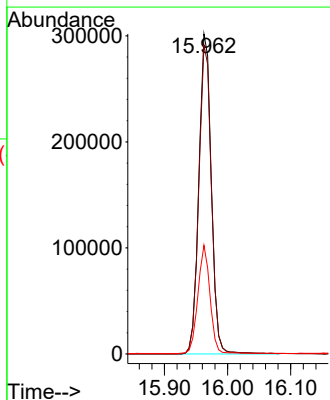
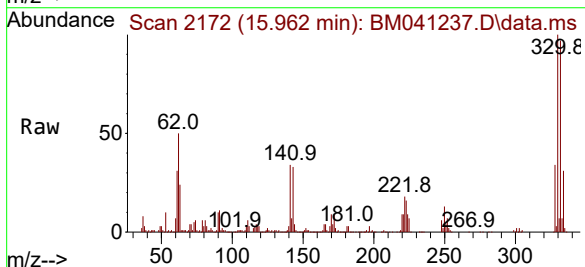
Instrument :
BNA_M
ClientSampleId :
SU-02-073123

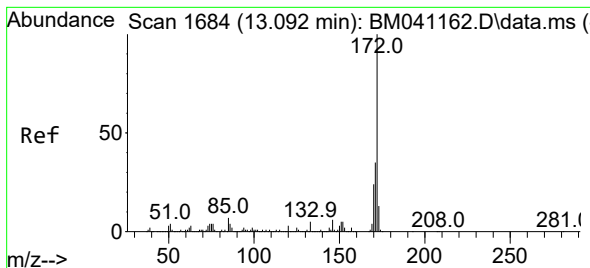
Tgt Ion:164 Resp: 503097
Ion Ratio Lower Upper
164 100
162 99.4 80.4 120.6
160 43.9 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 58.182 ng
RT: 15.962 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion:330 Resp: 414024
Ion Ratio Lower Upper
330 100
332 97.2 77.7 116.5
141 32.7 28.3 42.5





#45

2-Fluorobiphenyl

Concen: 31.387 ng

RT: 13.080 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123

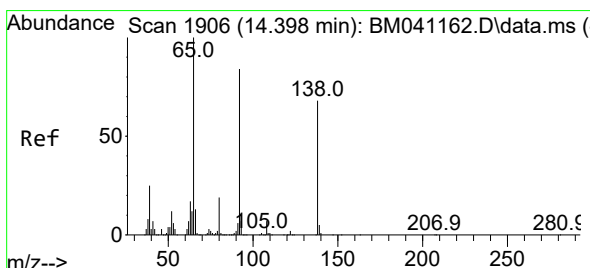
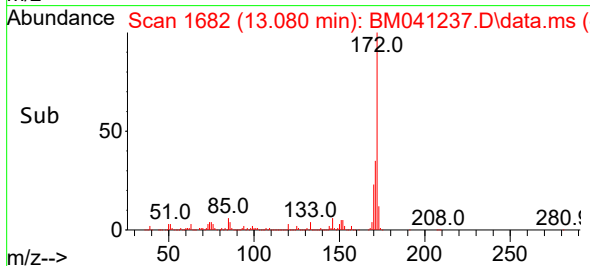
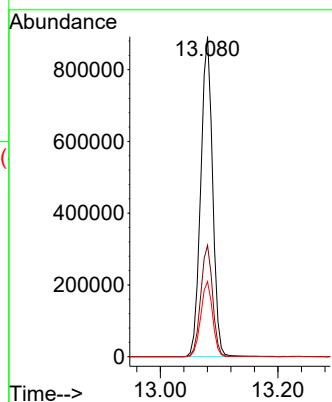
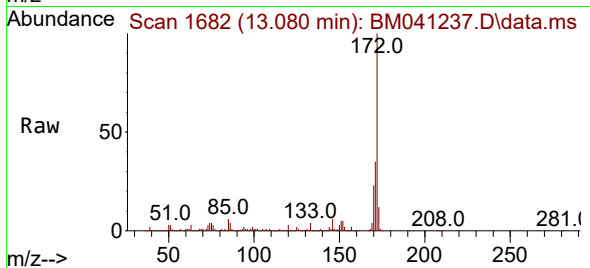
Tgt Ion:172 Resp: 1249991

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.5 18.9 28.3



#53

3-Nitroaniline

Concen: 2.597 ng

RT: 14.410 min Scan# 1908

Delta R.T. 0.017 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

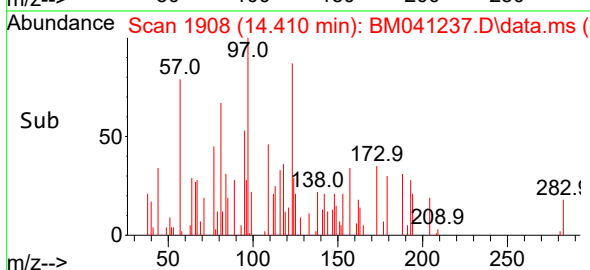
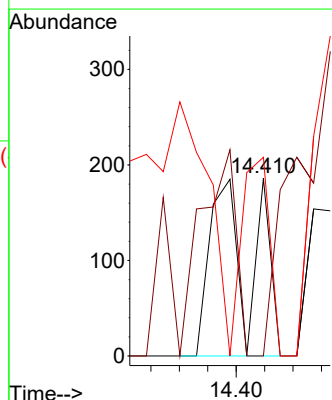
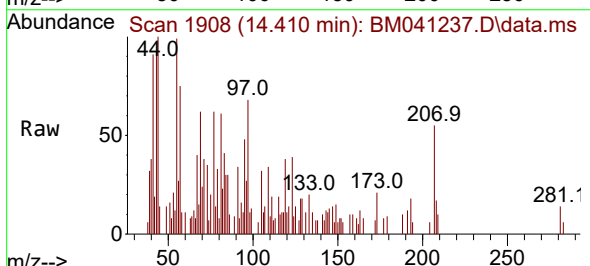
Tgt Ion:138 Resp: 187

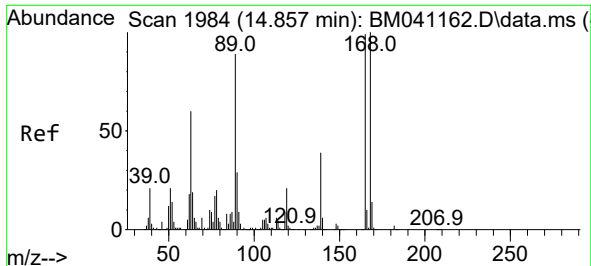
Ion Ratio Lower Upper

138 100

108 0.0 7.6 11.4#

92 111.8 98.9 148.3

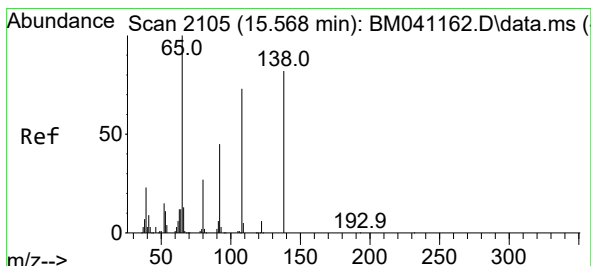
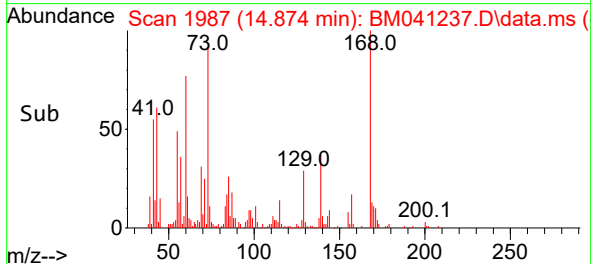
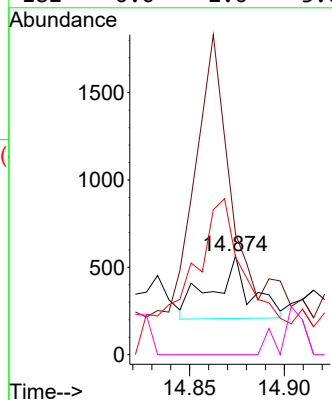
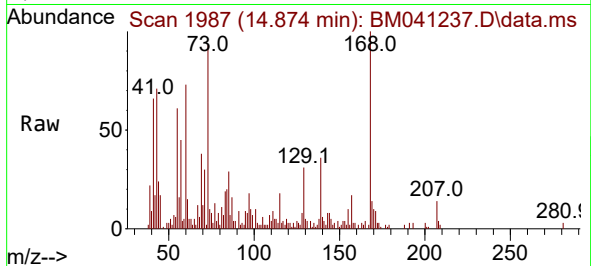




#57
2,4-Dinitrotoluene
Concen: 2.713 ng
RT: 14.874 min Scan# 1984
Delta R.T. 0.017 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

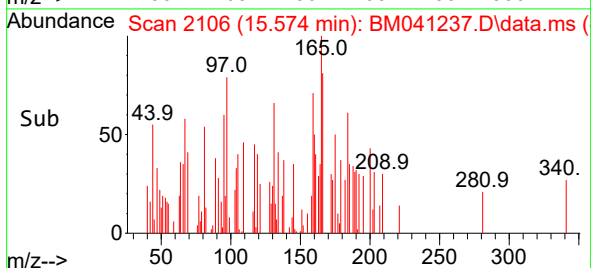
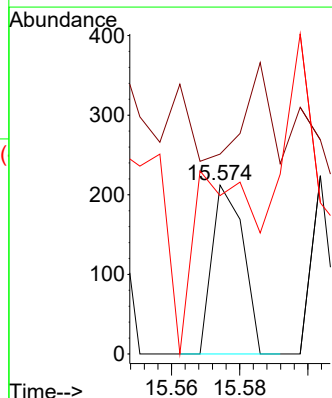
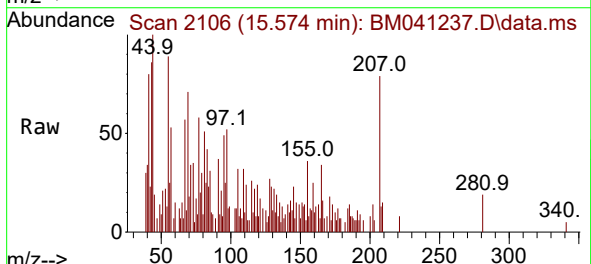
Instrument :
BNA_M
ClientSampleId :
SU-02-073123

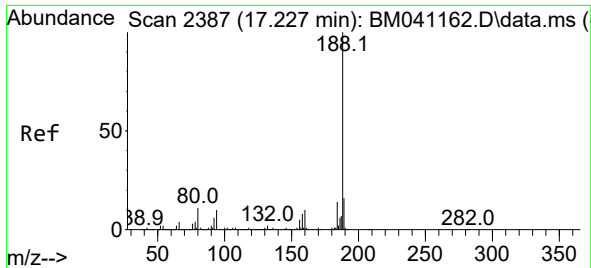
Tgt Ion:165 Resp: 499
Ion Ratio Lower Upper
165 100
63 121.9 48.3 72.5#
89 98.4 71.8 107.8
182 0.0 2.0 3.0#



#62
4-Nitroaniline
Concen: 4.162 ng
RT: 15.574 min Scan# 2106
Delta R.T. 0.012 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion:138 Resp: 134
Ion Ratio Lower Upper
138 100
92 118.4 35.1 75.1#
108 93.9 67.8 107.8

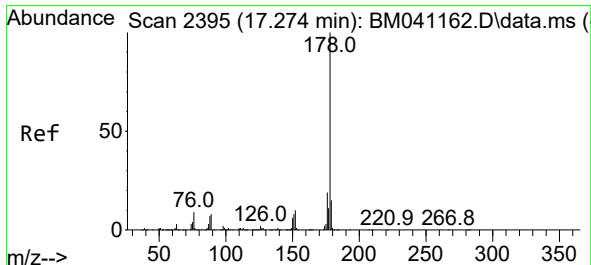
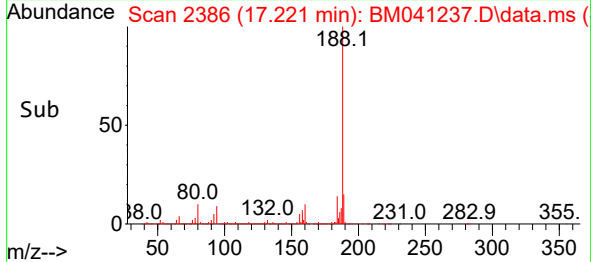
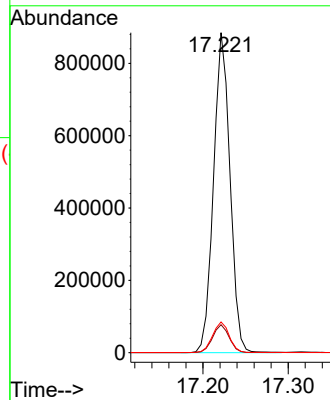
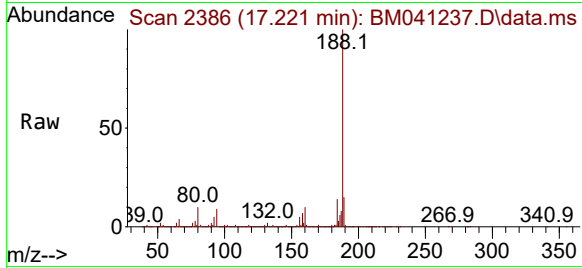




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

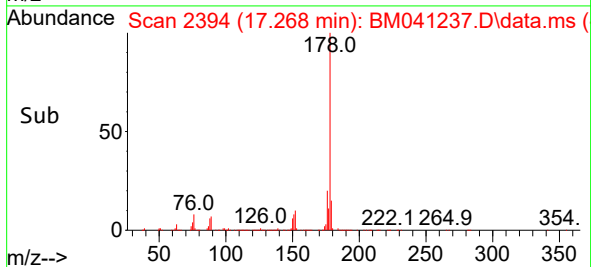
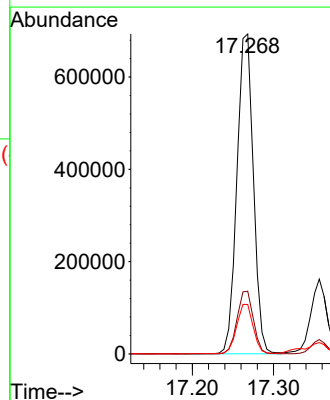
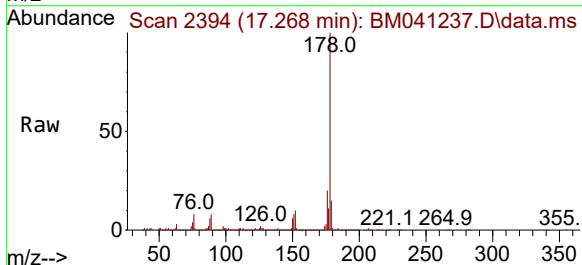
Instrument :
BNA_M
ClientSampleId :
SU-02-073123

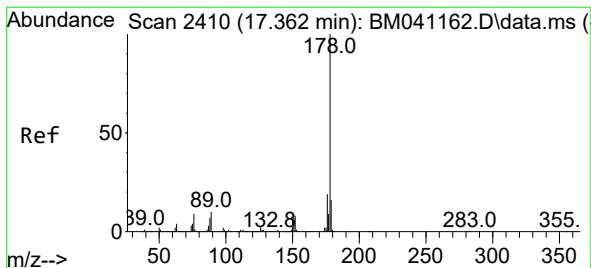
Tgt Ion:188 Resp: 1186817
Ion Ratio Lower Upper
188 100
94 8.8 8.2 12.2
80 9.6 8.6 13.0



#71
Phenanthrene
Concen: 14.779 ng
RT: 17.268 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion:178 Resp: 974513
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.5 12.1 18.1





#72

Anthracene

Concen: 3.321 ng

RT: 17.356 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123

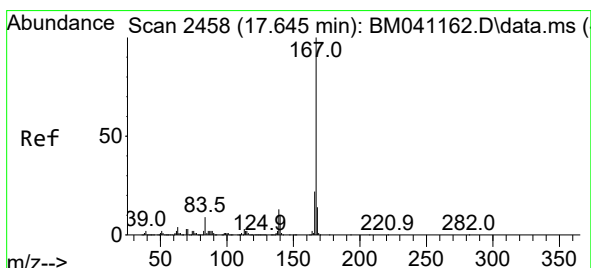
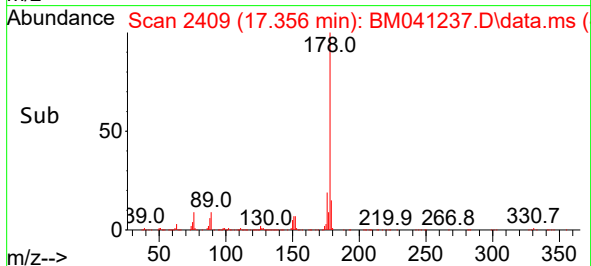
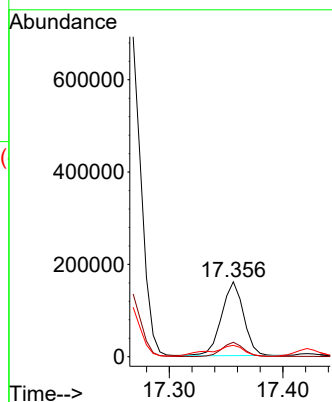
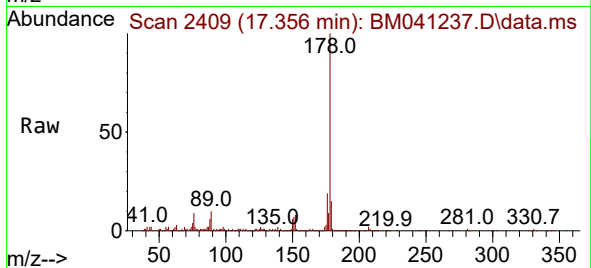
Tgt Ion:178 Resp: 216573

Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.2 12.4 18.6



#73

Carbazole

Concen: 3.181 ng

RT: 17.639 min Scan# 2457

Delta R.T. -0.000 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

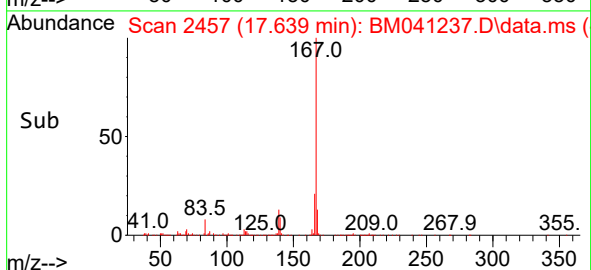
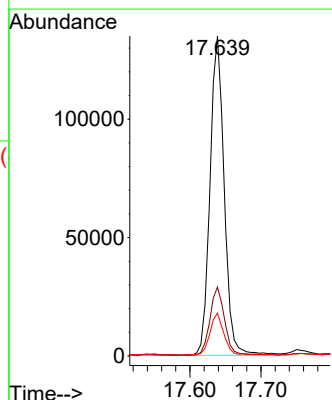
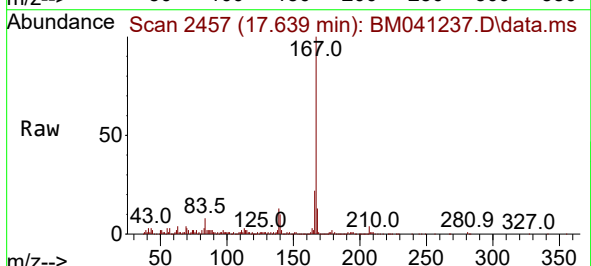
Tgt Ion:167 Resp: 187763

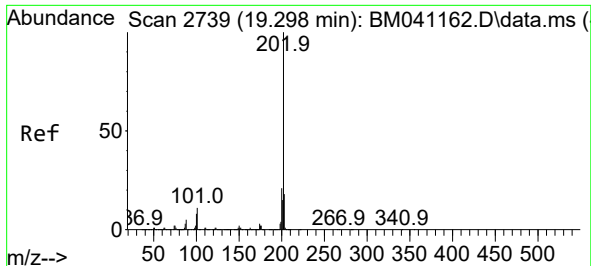
Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 13.4 10.3 15.5

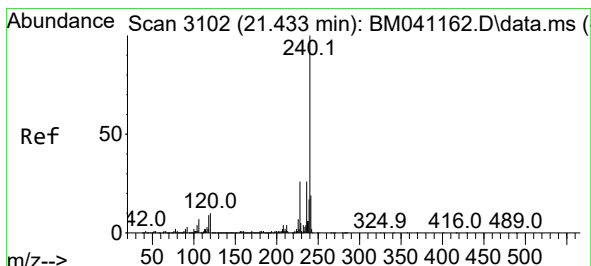
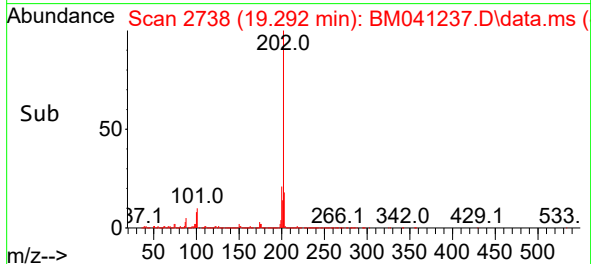
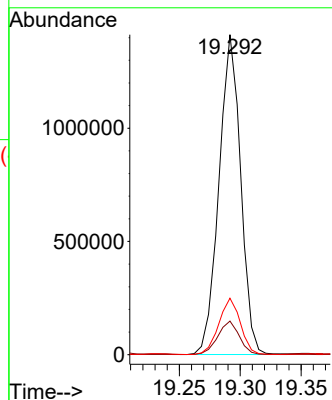
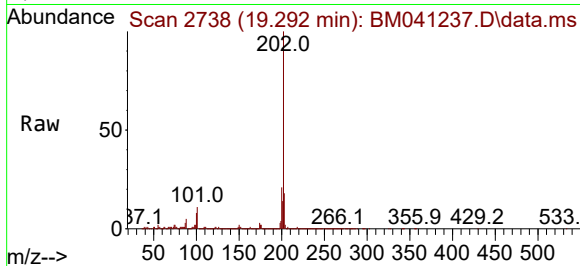




#75
Fluoranthene
Concen: 23.609 ng
RT: 19.292 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

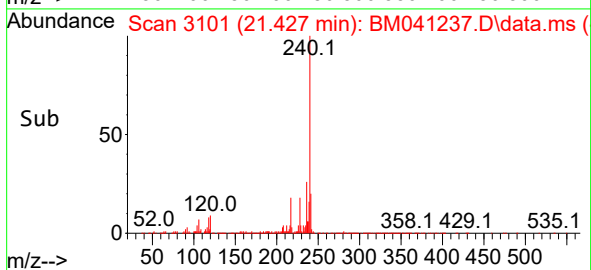
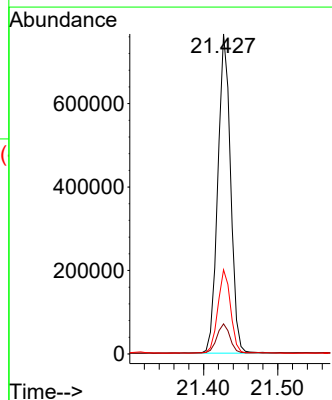
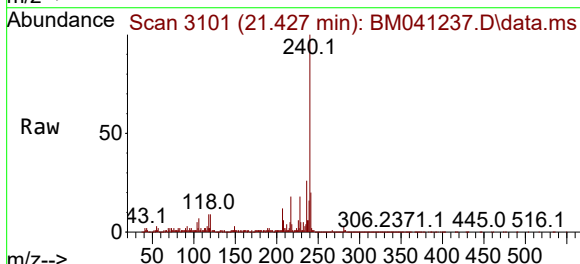
Instrument :
BNA_M
ClientSampleId :
SU-02-073123

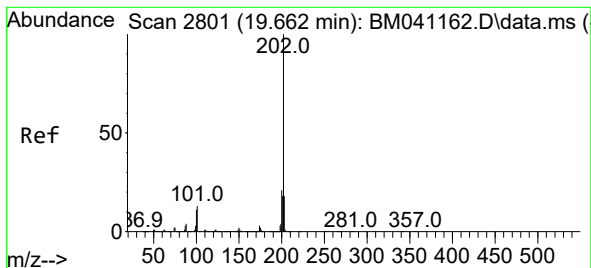
Tgt Ion:202 Resp: 1748989
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.8
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion:240 Resp: 914514
Ion Ratio Lower Upper
240 100
120 9.4 8.3 12.5
236 26.3 20.6 30.8





#78

Pyrene

Concen: 21.810 ng

RT: 19.656 min Scan# 2

Delta R.T. -0.000 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123

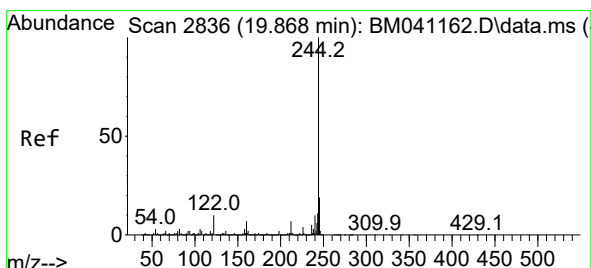
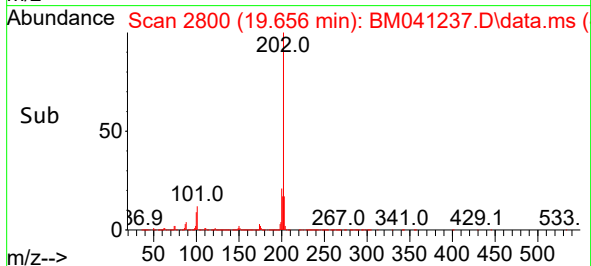
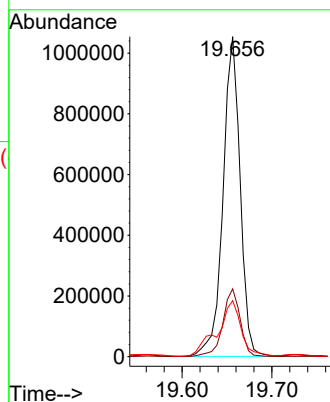
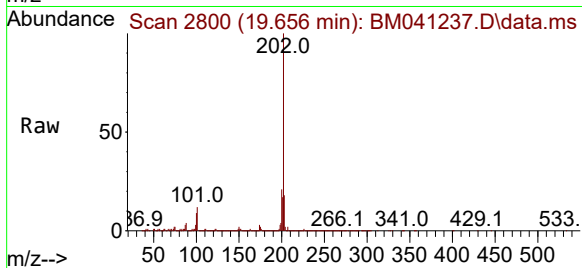
Tgt Ion:202 Resp: 1394839

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.5 14.1 21.1



#79

Terphenyl-d14

Concen: 43.517 ng

RT: 19.862 min Scan# 2835

Delta R.T. -0.000 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

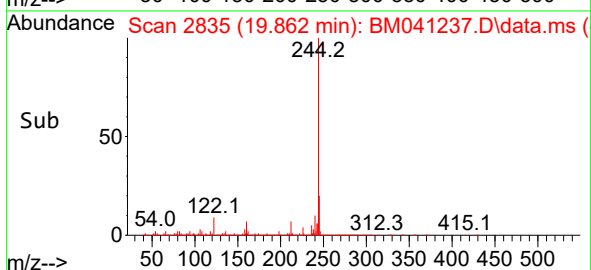
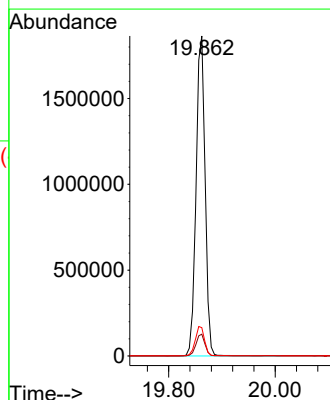
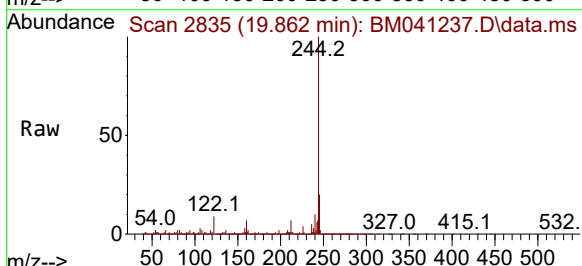
Tgt Ion:244 Resp: 2201110

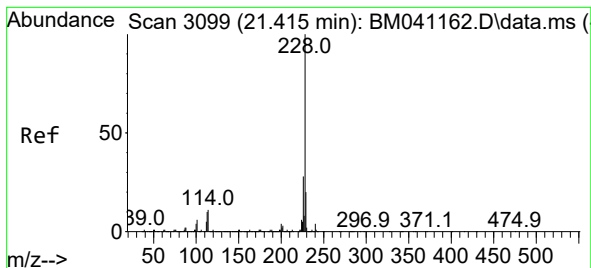
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 8.9 7.8 11.6





#81

Benzo(a)anthracene

Concen: 13.313 ng

RT: 21.409 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123

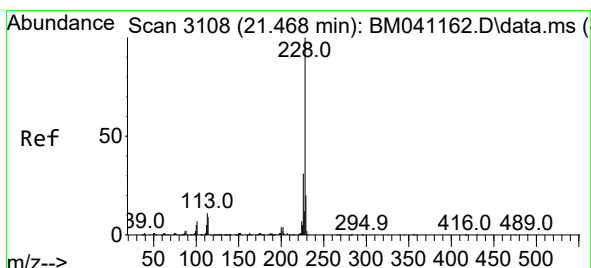
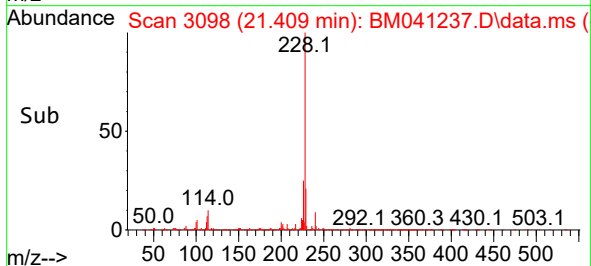
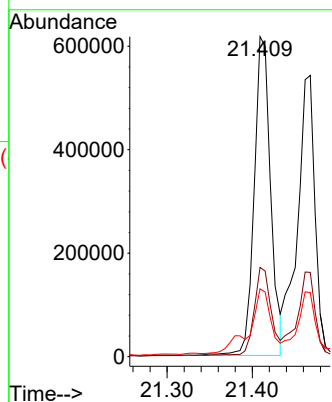
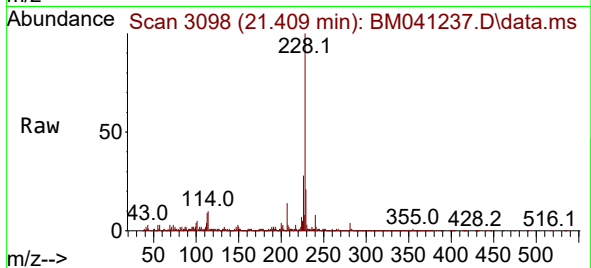
Tgt Ion:228 Resp: 825346

Ion Ratio Lower Upper

228 100

226 27.9 22.4 33.6

229 21.2 15.8 23.8



#83

Chrysene

Concen: 12.957 ng

RT: 21.468 min Scan# 3108

Delta R.T. -0.000 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

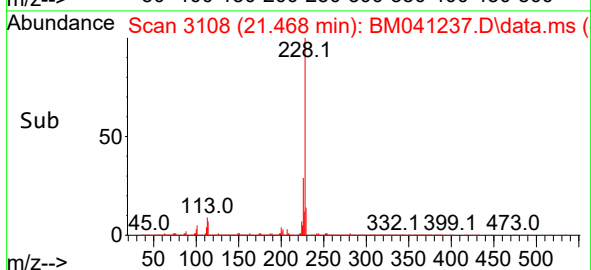
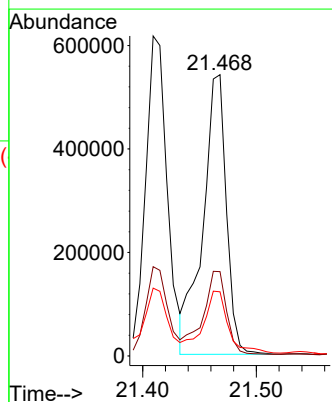
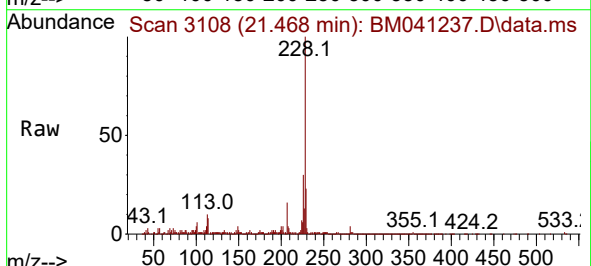
Tgt Ion:228 Resp: 776987

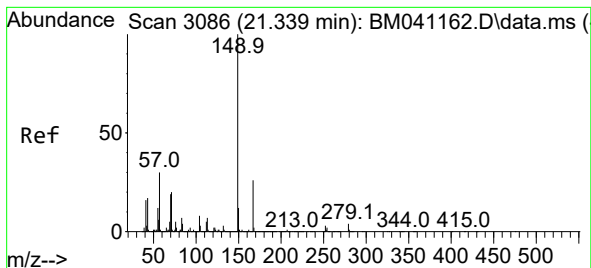
Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

229 22.8 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.580 ng

RT: 21.333 min Scan# 3086

Delta R.T. -0.000 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123

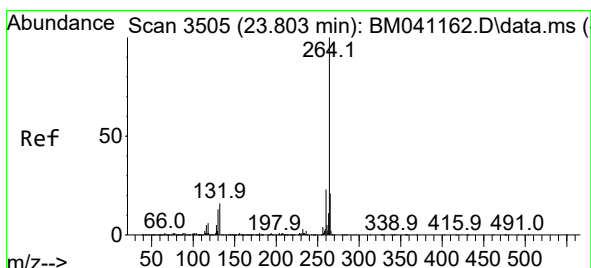
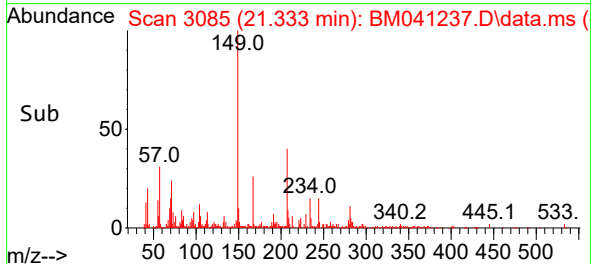
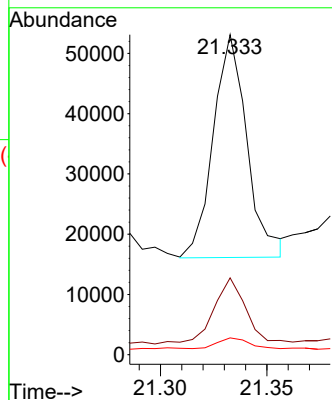
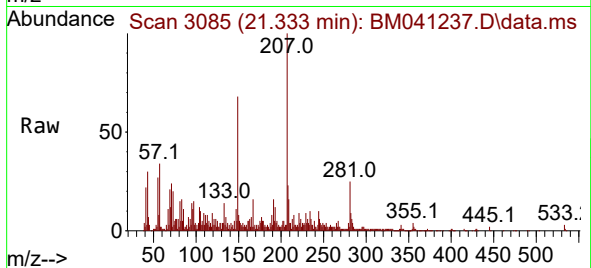
Tgt Ion:149 Resp: 40773

Ion Ratio Lower Upper

149 100

167 24.0 21.0 31.6

279 5.2 3.1 4.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.803 min Scan# 3505

Delta R.T. -0.000 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

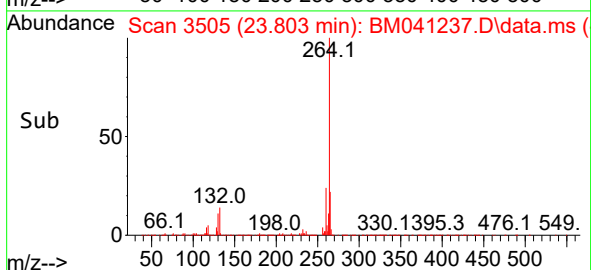
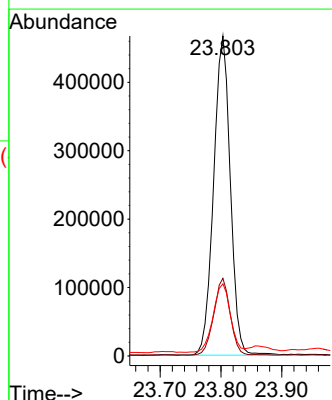
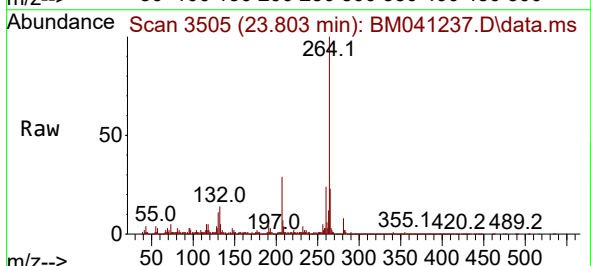
Tgt Ion:264 Resp: 891528

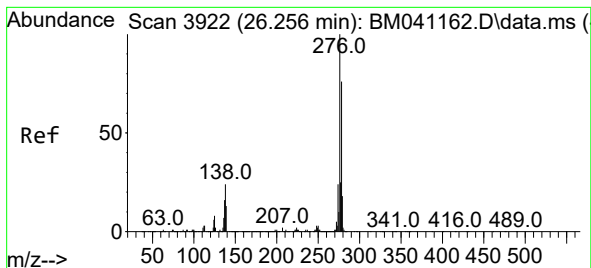
Ion Ratio Lower Upper

264 100

260 24.2 18.5 27.7

265 22.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.289 ng

RT: 26.244 min Scan# 3922

Delta R.T. -0.018 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123

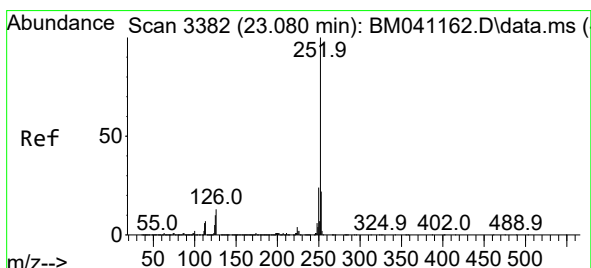
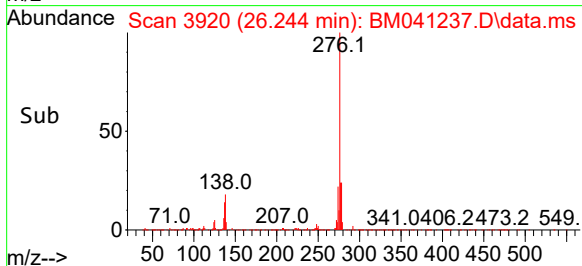
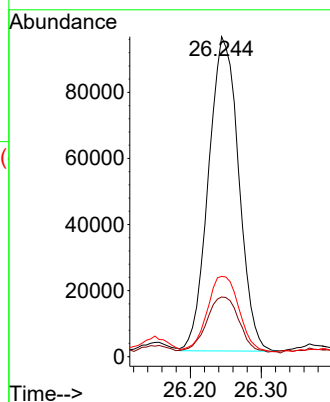
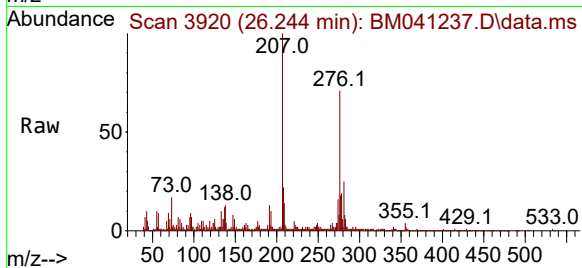
Tgt Ion:276 Resp: 281110

Ion Ratio Lower Upper

276 100

138 19.7 20.0 30.0#

277 25.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 15.615 ng

RT: 23.080 min Scan# 3382

Delta R.T. -0.006 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

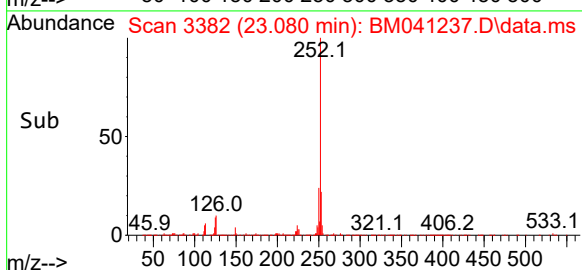
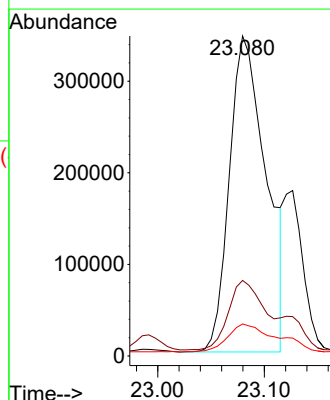
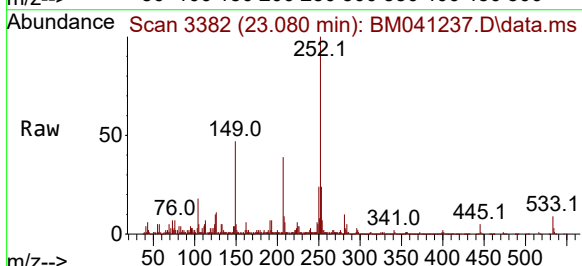
Tgt Ion:252 Resp: 827002

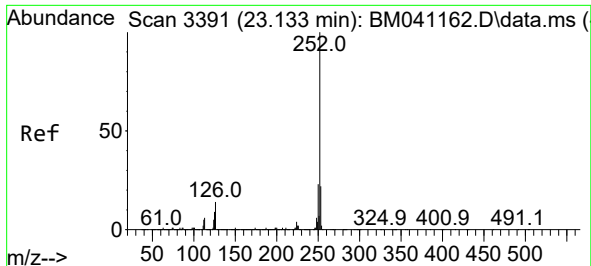
Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 10.0 8.2 12.4

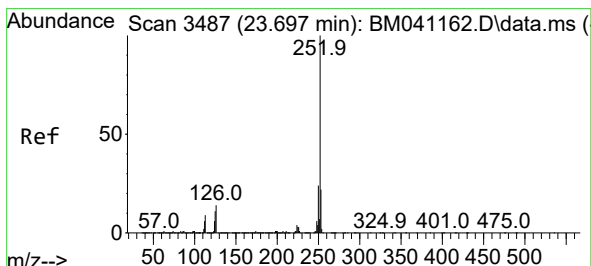
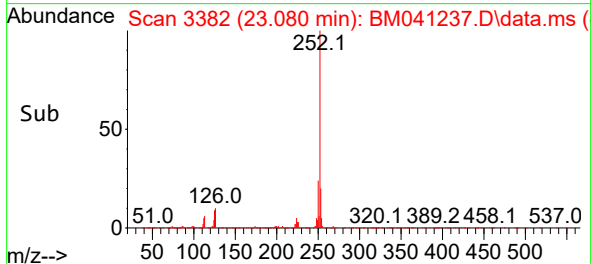
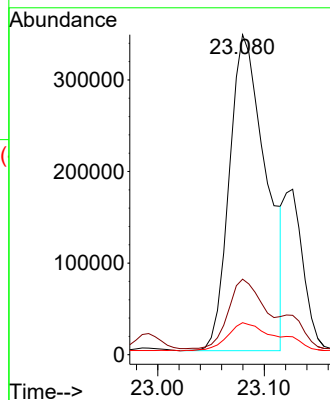
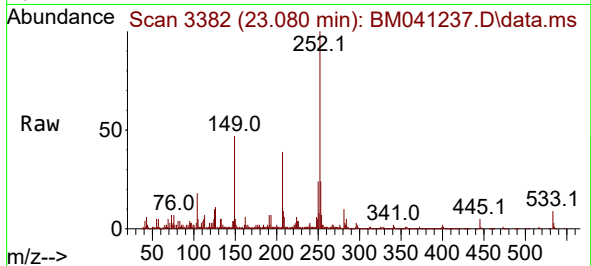




#89
Benzo(k)fluoranthene
Concen: 15.265 ng
RT: 23.080 min Scan# 31
Delta R.T. -0.053 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

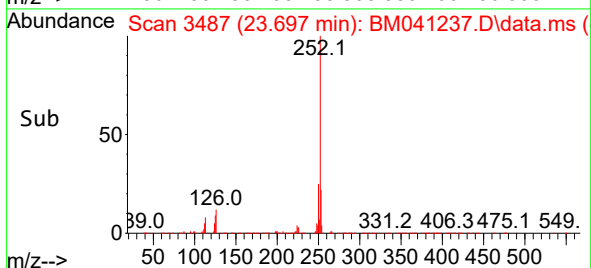
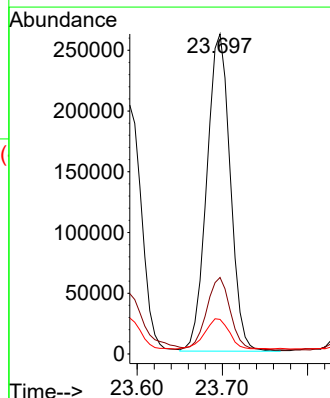
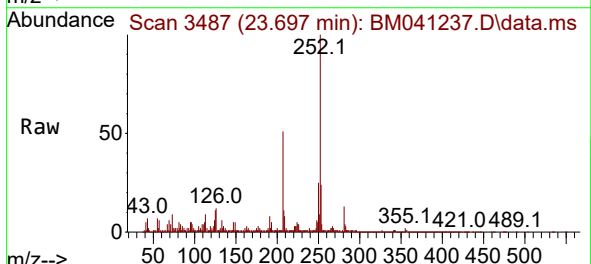
Instrument :
BNA_M
ClientSampleId :
SU-02-073123

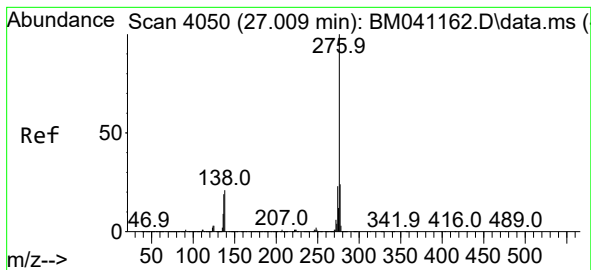
Tgt Ion:252 Resp: 827002
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 10.0 7.6 11.4



#90
Benzo(a)pyrene
Concen: 9.794 ng
RT: 23.697 min Scan# 3487
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

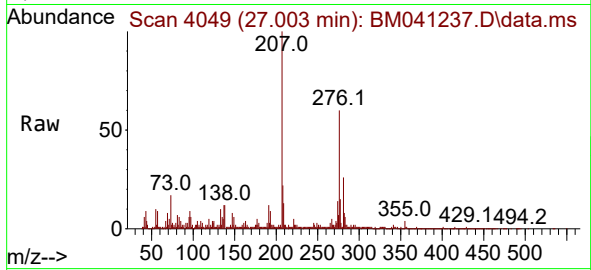
Tgt Ion:252 Resp: 498420
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 10.8 9.0 13.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.980 ng
 RT: 27.003 min Scan# 40
 Delta R.T. -0.012 min
 Lab File: BM041237.D
 Acq: 02 Aug 2023 10:21

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-073123



Tgt Ion:276 Resp: 266401
 Ion Ratio Lower Upper
 276 100
 277 25.0 19.1 28.7
 138 19.8 17.1 25.7

