

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080223\
 Data File : BM041252.D
 Acq On : 02 Aug 2023 19:36
 Operator : MA/JU
 Sample : 03598-11 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RB-57-(1-3)

Quant Time: Aug 03 09:35:50 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)

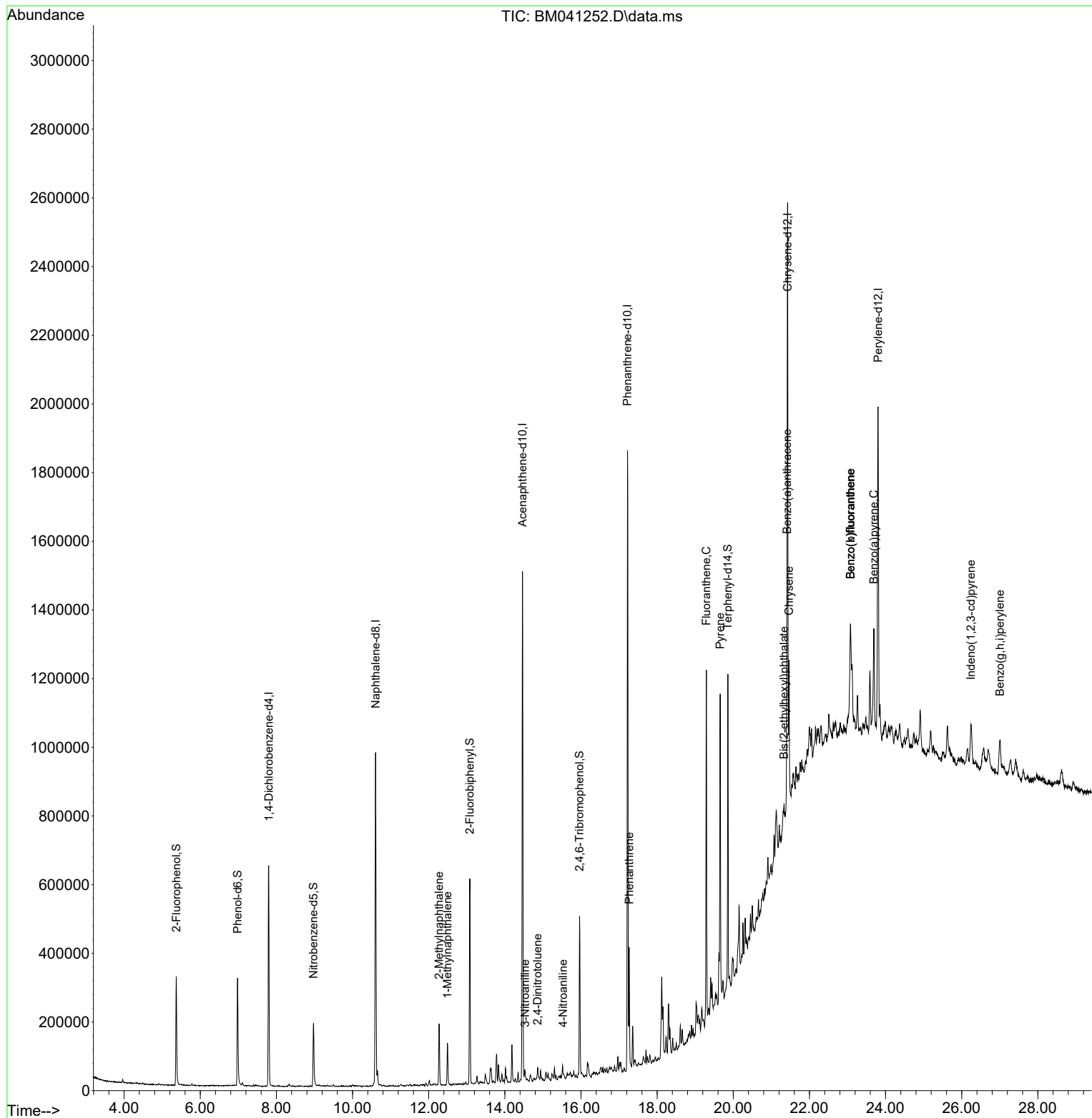
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	173379	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	751877	20.000	ng	0.00
39) Acenaphthene-d10	14.462	164	492217	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1062965	20.000	ng	0.00
76) Chrysene-d12	21.427	240	707896	20.000	ng	0.00
86) Perylene-d12	23.803	264	732717	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	141180	12.170	ng	0.00
7) Phenol-d6	6.981	99	190469	12.667	ng	0.00
23) Nitrobenzene-d5	8.975	82	117433	7.263	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	84598	12.151	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	300125	7.703	ng	0.00
79) Terphenyl-d14	19.856	244	422254	10.785	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	12.274	142	84479	3.071	ng	99
38) 1-Methylnaphthalene	12.492	142	54995	2.136	ng	99
53) 3-Nitroaniline	14.533	138	54	2.583	ng	# 81
57) 2,4-Dinitrotoluene	14.857	165	505	2.714	ng	# 49
62) 4-Nitroaniline	15.527	138	136	4.163	ng	# 74
71) Phenanthrene	17.268	178	205711	3.483	ng	100
75) Fluoranthene	19.292	202	534148	8.050	ng	99
78) Pyrene	19.656	202	521250	10.529	ng	99
81) Benzo(a)anthracene	21.409	228	252273	5.257	ng	96
83) Chrysene	21.462	228	222609	4.796	ng	98
84) Bis(2-ethylhexyl)phtha...	21.333	149	11030	2.903	ng	# 85
87) Indeno(1,2,3-cd)pyrene	26.244	276	127779	2.372	ng	# 93
88) Benzo(b)fluoranthene	23.080	252	267575	6.147	ng	# 94
89) Benzo(k)fluoranthene	23.080	252	267575	6.010	ng	# 93
90) Benzo(a)pyrene	23.691	252	198480	4.746	ng	# 94
92) Benzo(g,h,i)perylene	27.003	276	124532	2.832	ng	96

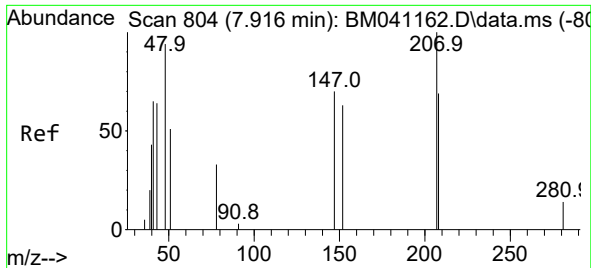
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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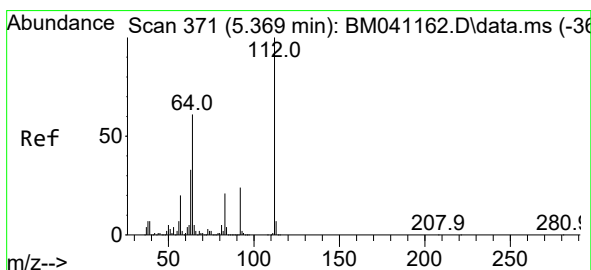
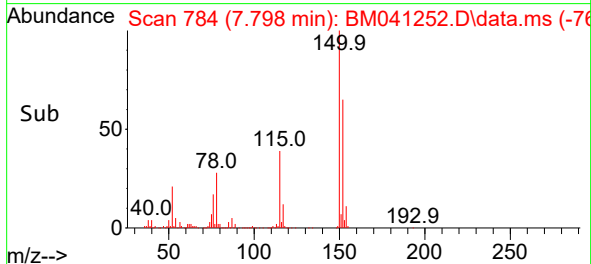
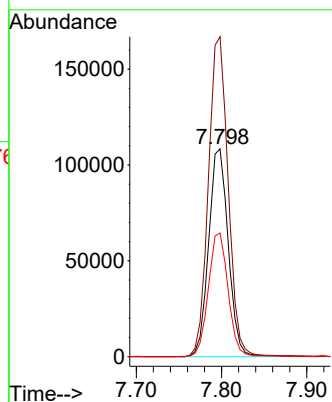
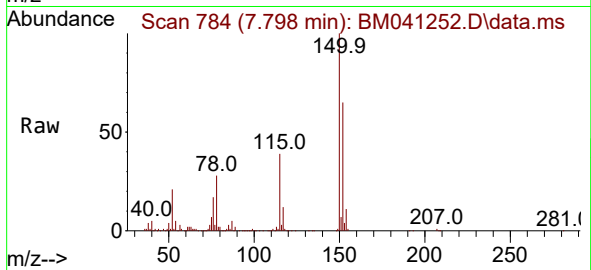




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 71
Delta R.T. 0.005 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

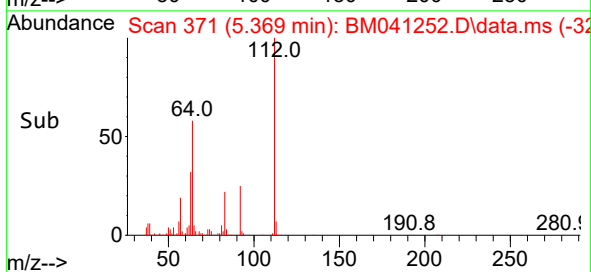
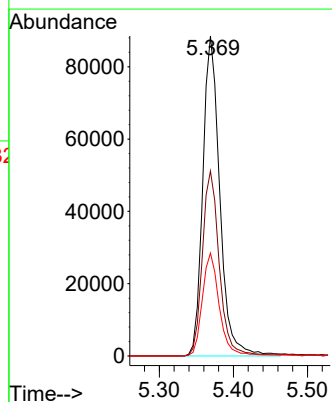
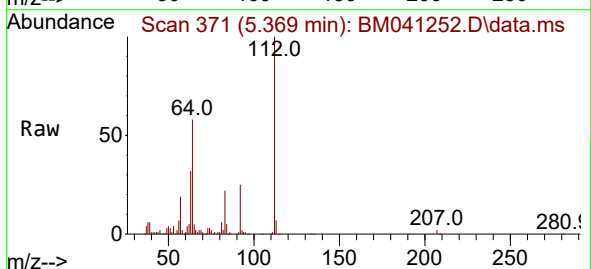
Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)

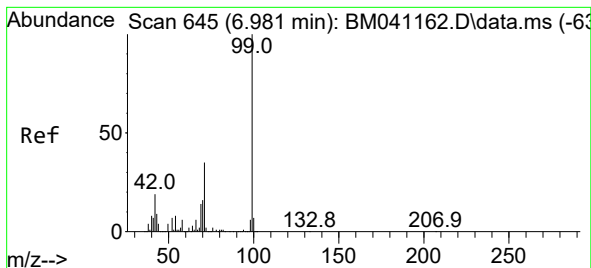
Tgt Ion:152 Resp: 173379
Ion Ratio Lower Upper
152 100
150 154.0 125.5 188.3
115 59.6 48.0 72.0



#5
2-Fluorophenol
Concen: 12.170 ng
RT: 5.369 min Scan# 371
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion:112 Resp: 141180
Ion Ratio Lower Upper
112 100
64 57.8 48.5 72.7
63 32.2 26.5 39.7





#7

Phenol-d6

Concen: 12.667 ng

RT: 6.981 min Scan# 645

Delta R.T. -0.000 min

Lab File: BM041252.D

Acq: 02 Aug 2023 19:36

Instrument :

BNA_M

ClientSampleId :

RB-57-(1-3)

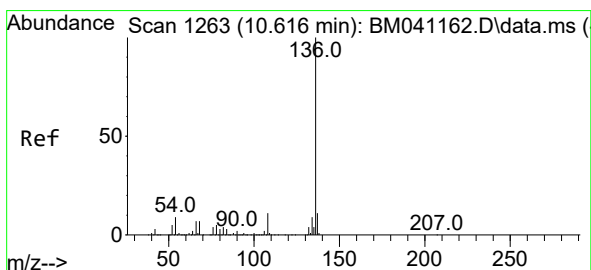
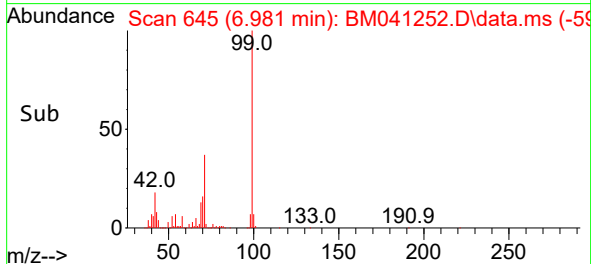
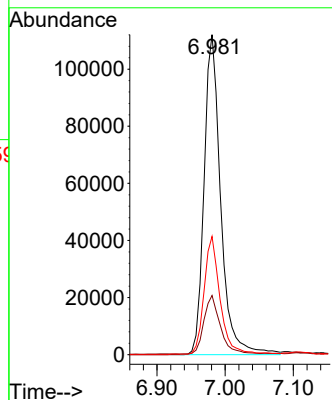
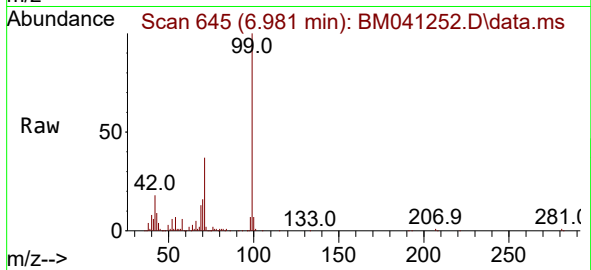
Tgt Ion: 99 Resp: 190469

Ion Ratio Lower Upper

99 100

42 18.5 15.4 23.0

71 36.9 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: BM041252.D

Acq: 02 Aug 2023 19:36

Tgt Ion: 136 Resp: 751877

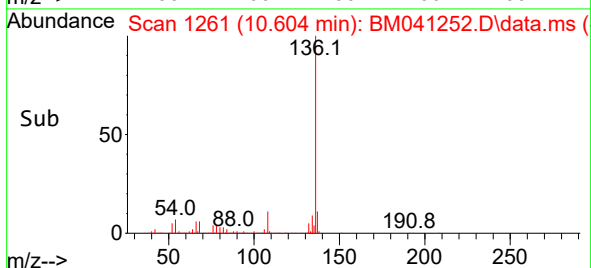
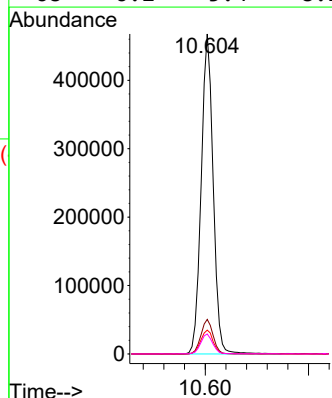
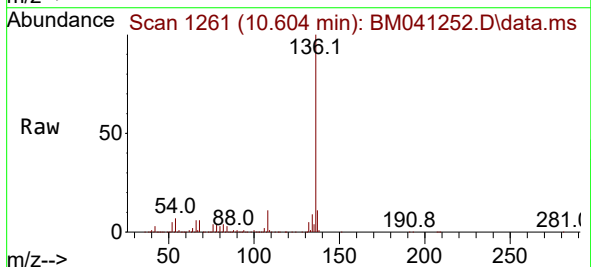
Ion Ratio Lower Upper

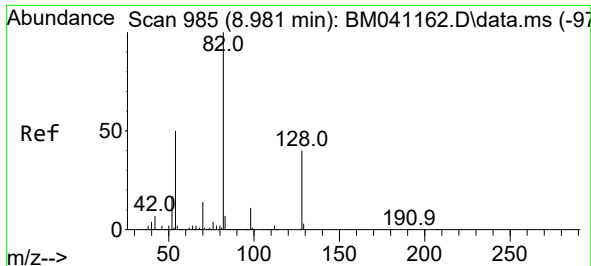
136 100

137 10.8 8.8 13.2

54 7.5 6.9 10.3

68 6.2 5.4 8.2

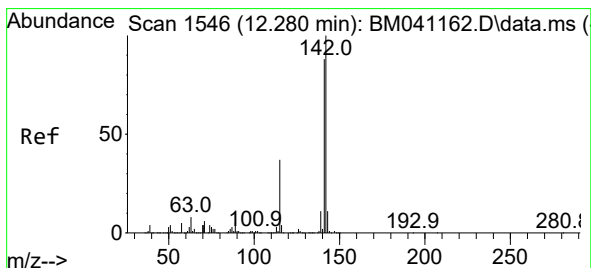
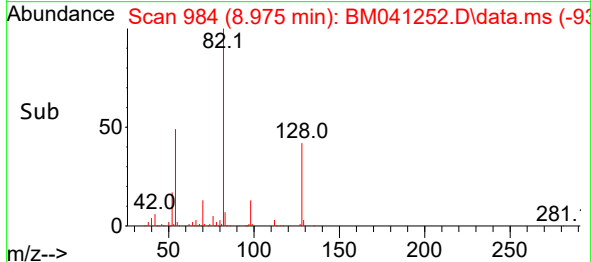
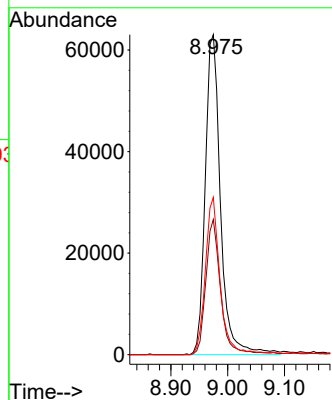
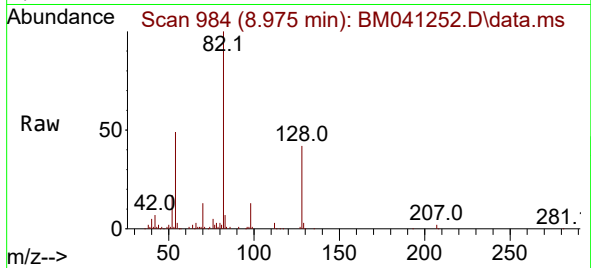




#23
Nitrobenzene-d5
Concen: 7.263 ng
RT: 8.975 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

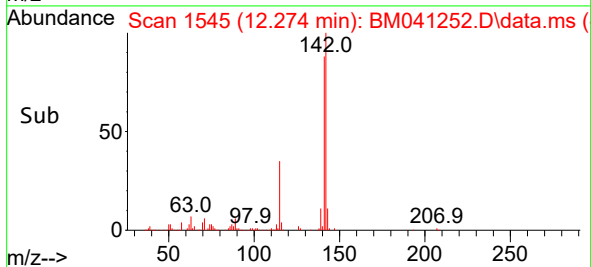
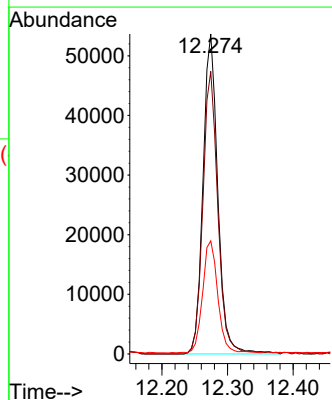
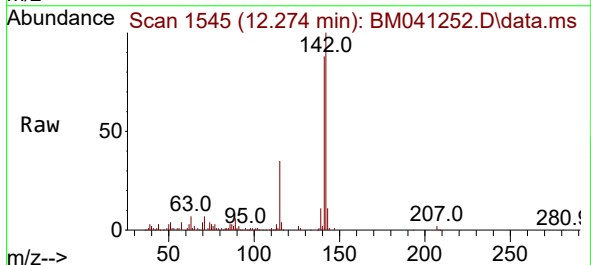
Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)

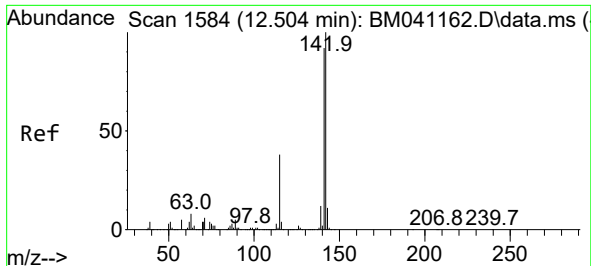
Tgt Ion: 82 Resp: 117433
Ion Ratio Lower Upper
82 100
128 42.3 31.8 47.6
54 49.2 40.1 60.1



#37
2-Methylnaphthalene
Concen: 3.071 ng
RT: 12.274 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion: 142 Resp: 84479
Ion Ratio Lower Upper
142 100
141 88.3 70.7 106.1
115 35.4 29.3 43.9

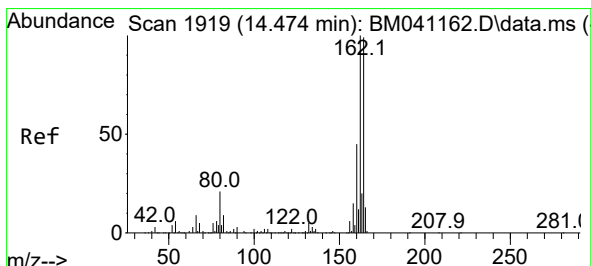
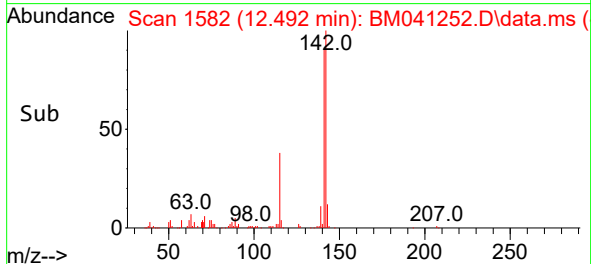
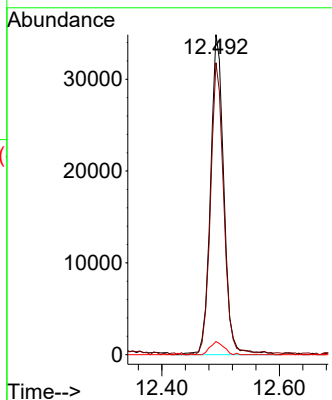
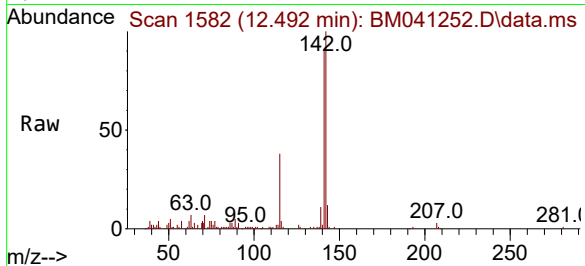




#38
1-Methylnaphthalene
Concen: 2.136 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

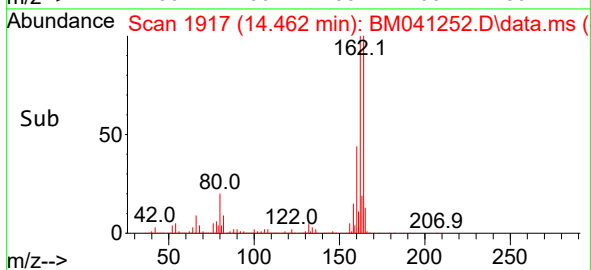
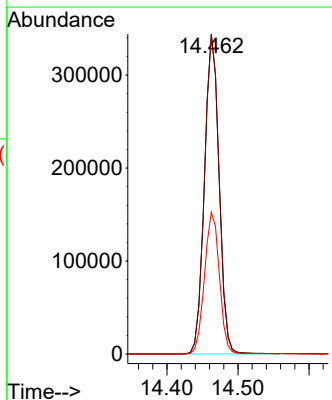
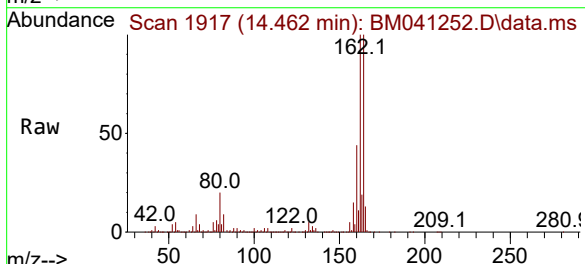
Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)

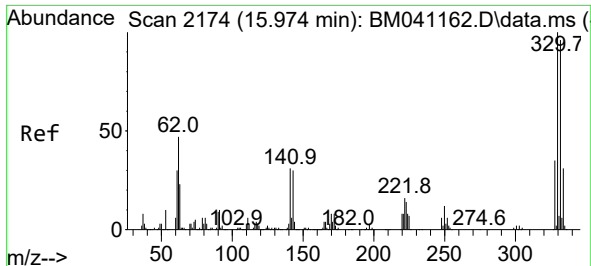
Tgt Ion:142 Resp: 54995
Ion Ratio Lower Upper
142 100
141 91.2 73.4 110.2
116 4.1 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.462 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion:164 Resp: 492217
Ion Ratio Lower Upper
164 100
162 99.8 80.4 120.6
160 44.3 36.2 54.2

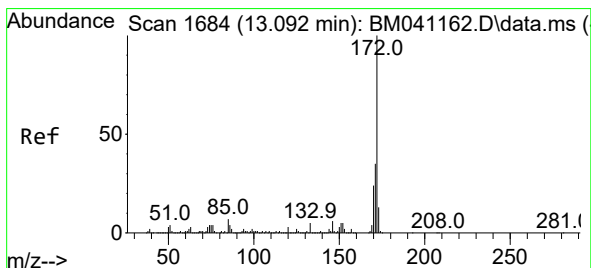
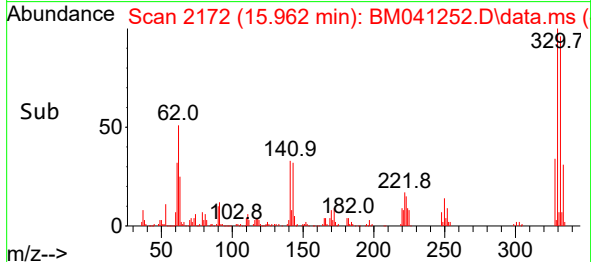
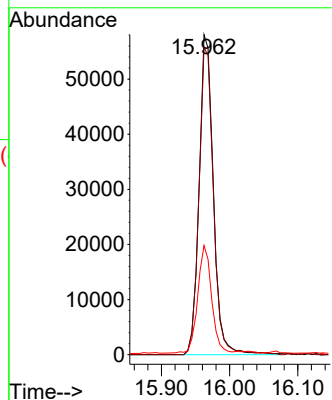
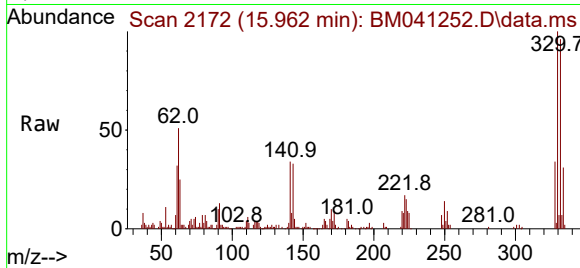




#42
2,4,6-Tribromophenol
Concen: 12.151 ng
RT: 15.962 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

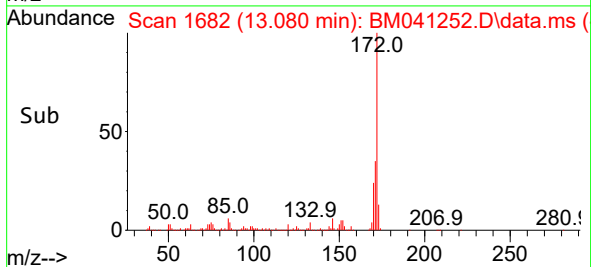
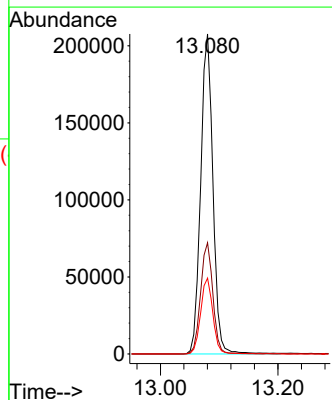
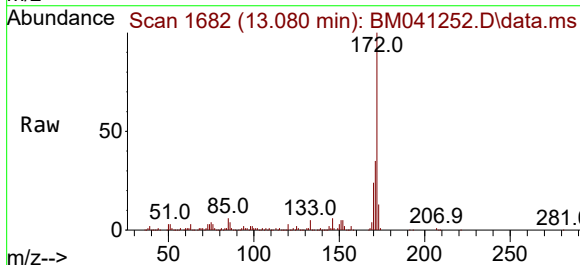
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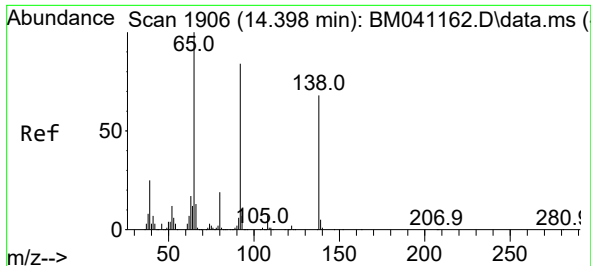
Tgt Ion:330 Resp: 84598
Ion Ratio Lower Upper
330 100
332 97.3 77.7 116.5
141 32.9 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 7.703 ng
RT: 13.080 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion:172 Resp: 300125
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.7 18.9 28.3

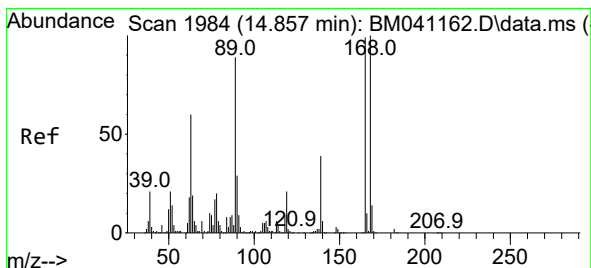
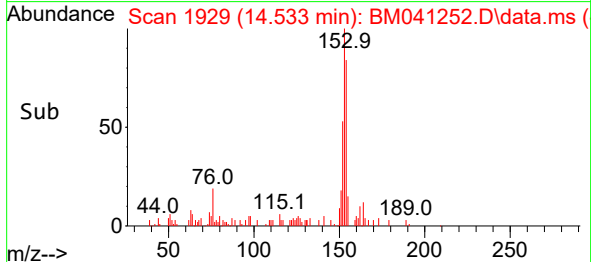
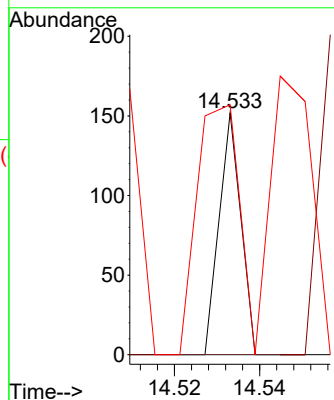
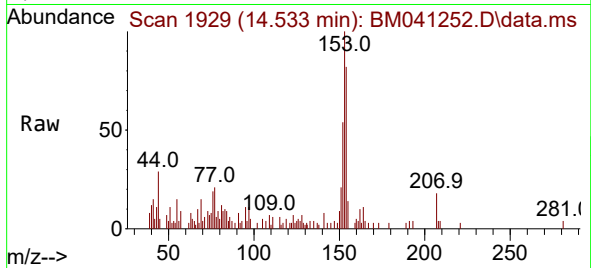




#53
3-Nitroaniline
Concen: 2.583 ng
RT: 14.533 min Scan# 1929
Delta R.T. 0.141 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

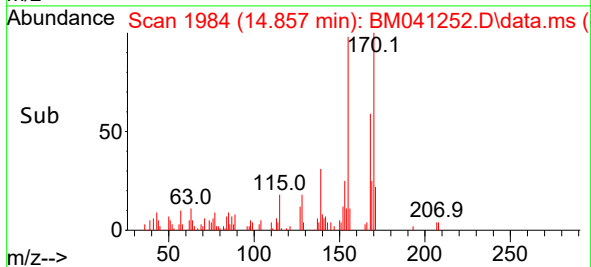
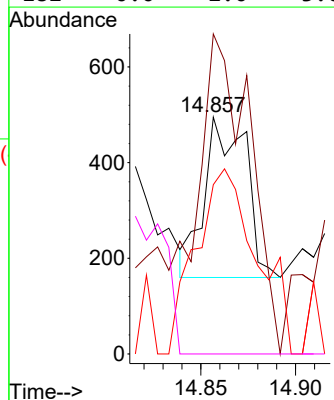
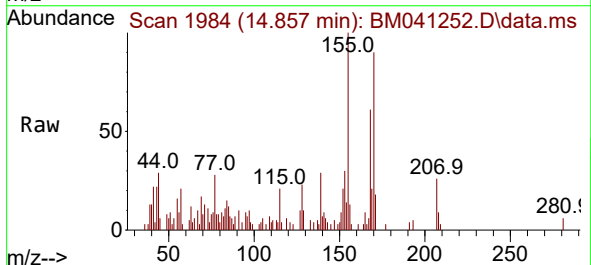
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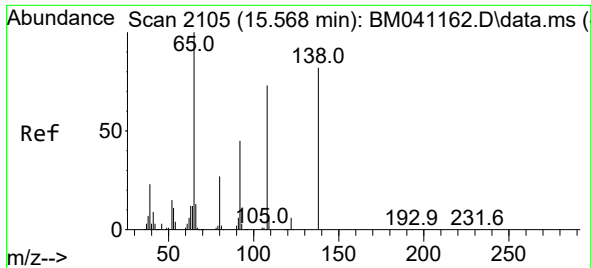
Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
108 0.0 7.6 11.4#
92 103.3 98.9 148.3



#57
2,4-Dinitrotoluene
Concen: 2.714 ng
RT: 14.857 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion:165 Resp: 505
Ion Ratio Lower Upper
165 100
63 135.2 48.3 72.5#
89 71.5 71.8 107.8#
182 0.0 2.0 3.0#

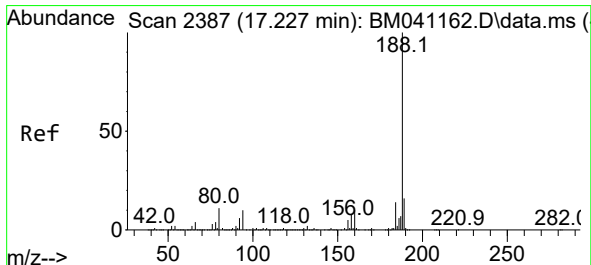
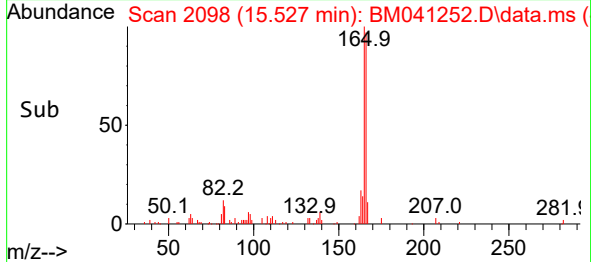
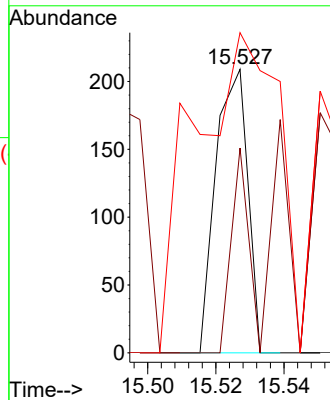
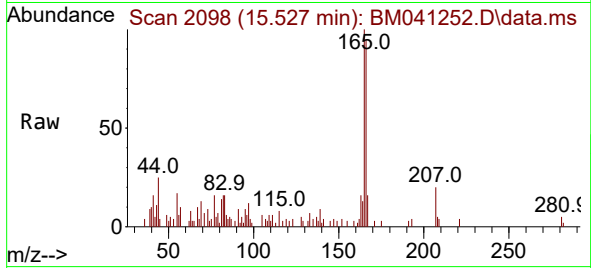




#62
4-Nitroaniline
Concen: 4.163 ng
RT: 15.527 min Scan# 2098
Delta R.T. -0.036 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

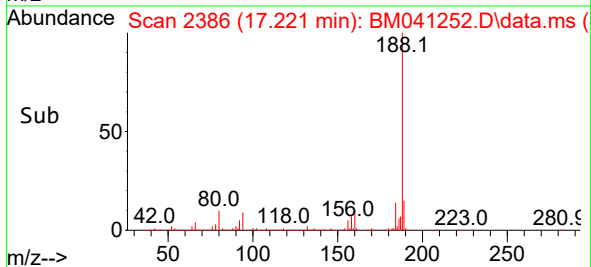
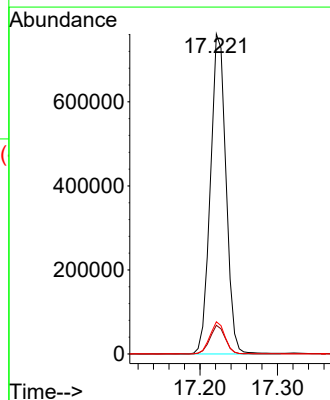
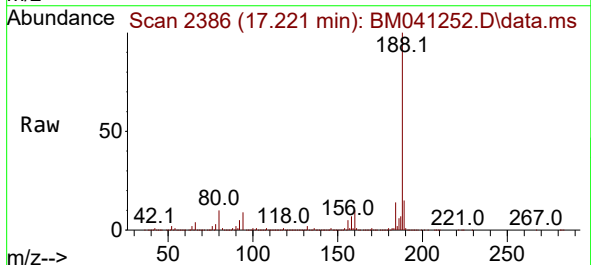
Instrument :
BNA_M
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RB-57-(1-3)

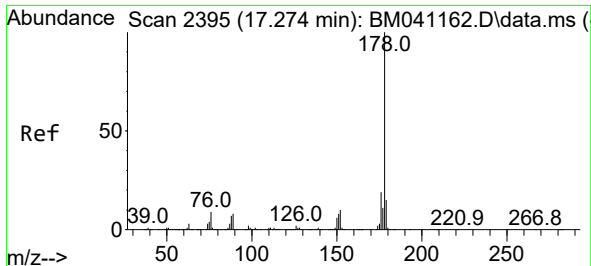
Tgt Ion:138 Resp: 136
Ion Ratio Lower Upper
138 100
92 72.2 35.1 75.1
108 112.9 67.8 107.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2386
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion:188 Resp: 1062965
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.2
80 10.1 8.6 13.0

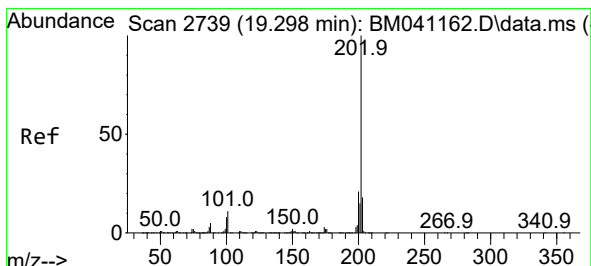
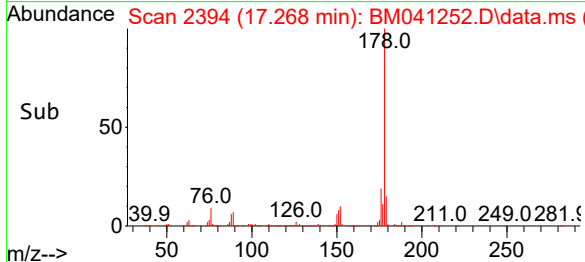
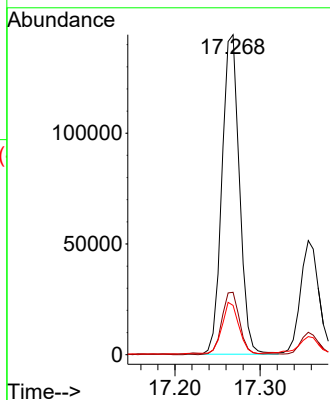
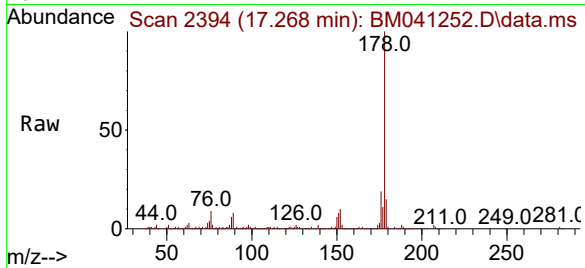




#71
Phenanthrene
Concen: 3.483 ng
RT: 17.268 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

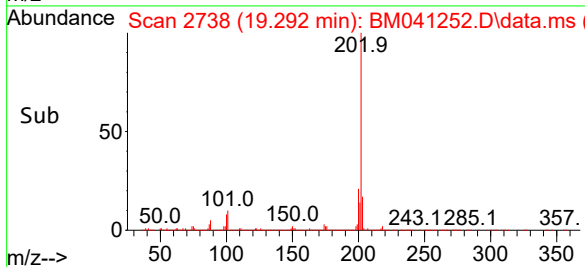
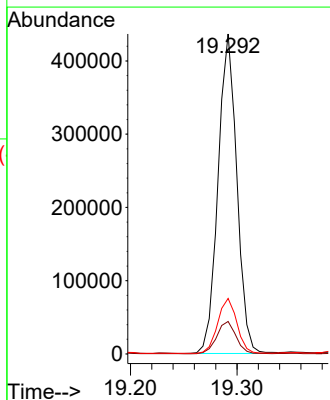
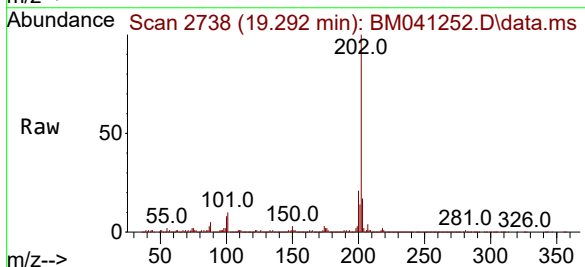
Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)

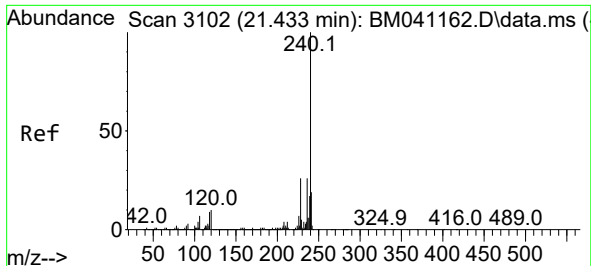
Tgt Ion:178 Resp: 205711
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.4 12.1 18.1



#75
Fluoranthene
Concen: 8.050 ng
RT: 19.292 min Scan# 2738
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion:202 Resp: 534148
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.8
203 17.3 0.0 37.6

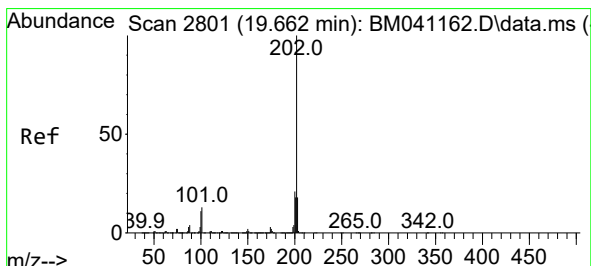
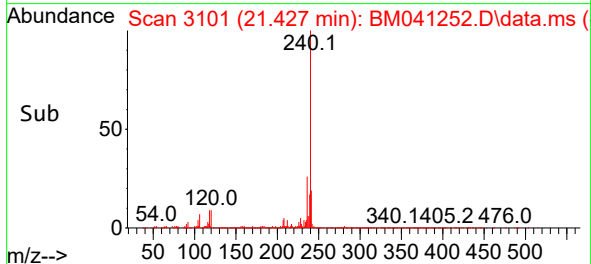
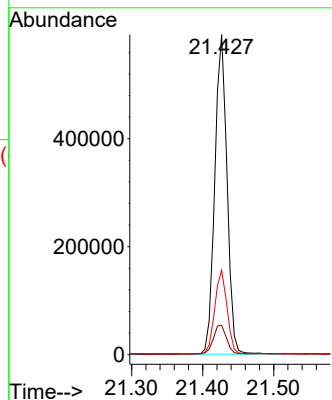
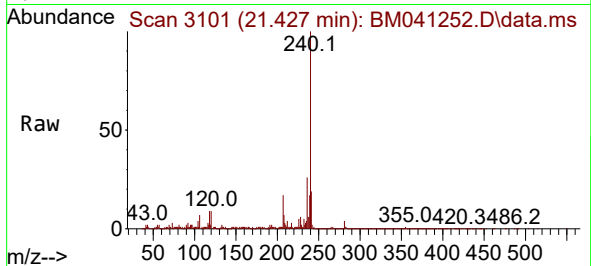




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

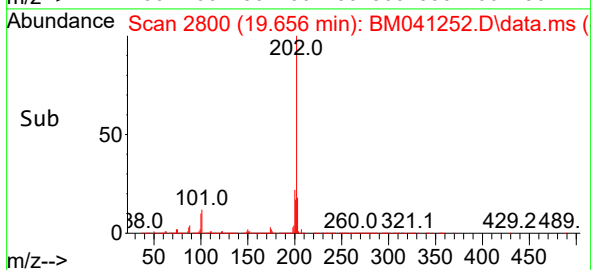
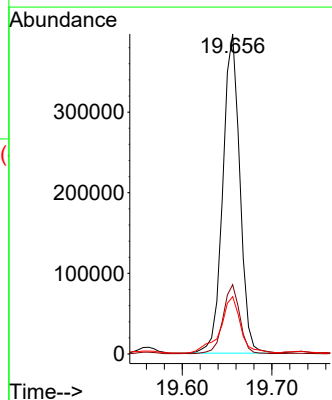
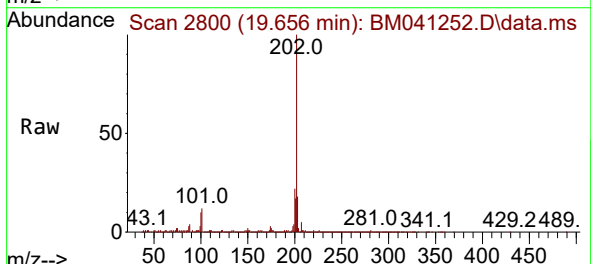
Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)

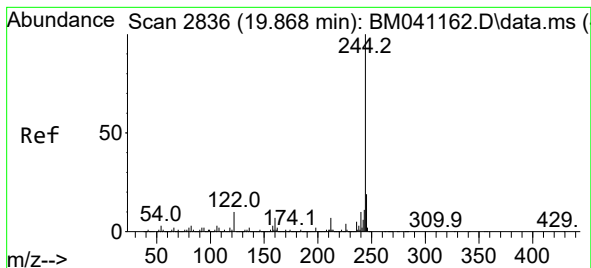
Tgt Ion:240 Resp: 707896
Ion Ratio Lower Upper
240 100
120 9.2 8.3 12.5
236 26.4 20.6 30.8



#78
Pyrene
Concen: 10.529 ng
RT: 19.656 min Scan# 2800
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion:202 Resp: 521250
Ion Ratio Lower Upper
202 100
200 21.7 16.9 25.3
203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 10.785 ng

RT: 19.856 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041252.D

Acq: 02 Aug 2023 19:36

Instrument :

BNA_M

ClientSampleId :

RB-57-(1-3)

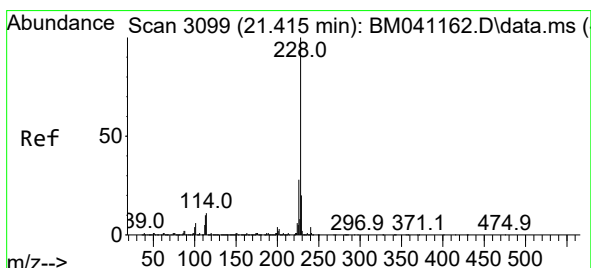
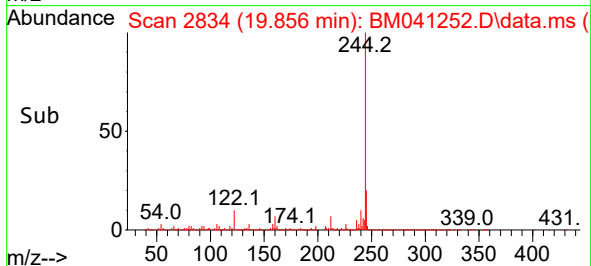
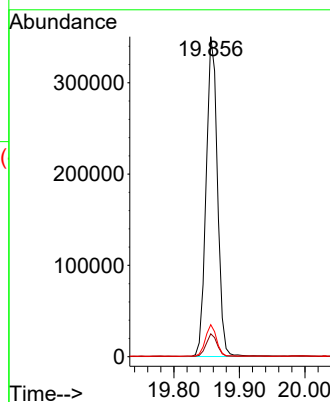
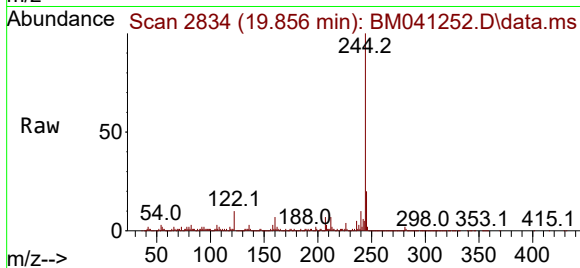
Tgt Ion:244 Resp: 422254

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.0 7.8 11.6



#81

Benzo(a)anthracene

Concen: 5.257 ng

RT: 21.409 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM041252.D

Acq: 02 Aug 2023 19:36

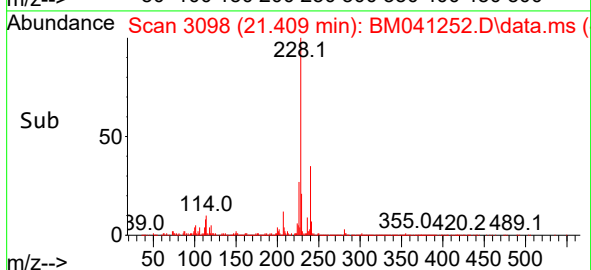
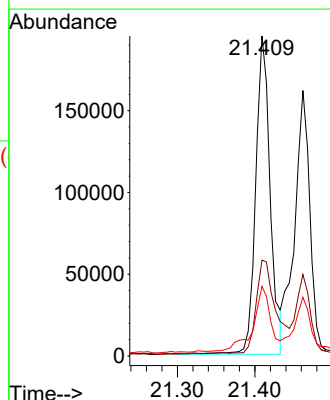
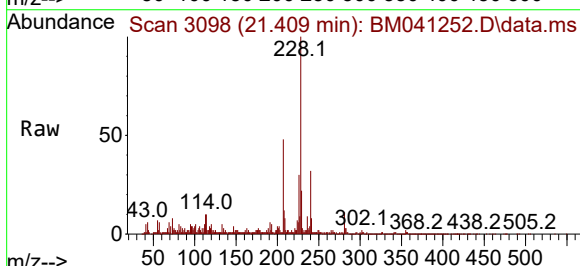
Tgt Ion:228 Resp: 252273

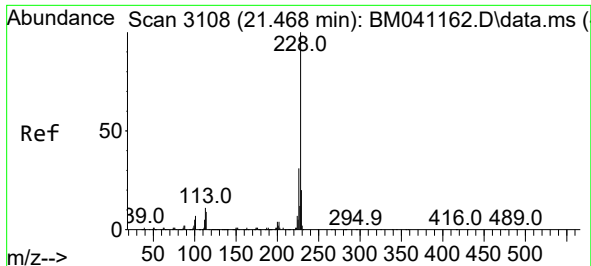
Ion Ratio Lower Upper

228 100

226 30.0 22.4 33.6

229 21.7 15.8 23.8





#83

Chrysene

Concen: 4.796 ng

RT: 21.462 min Scan# 3108

Delta R.T. -0.006 min

Lab File: BM041252.D

Acq: 02 Aug 2023 19:36

Instrument :

BNA_M

ClientSampleId :

RB-57-(1-3)

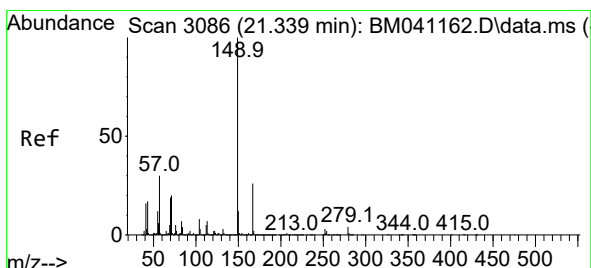
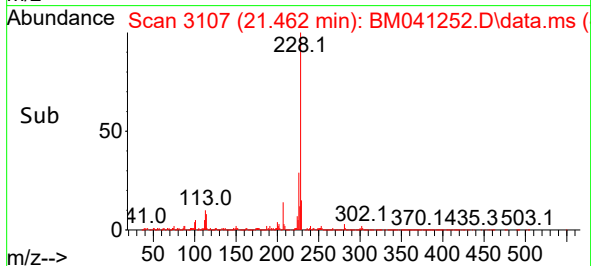
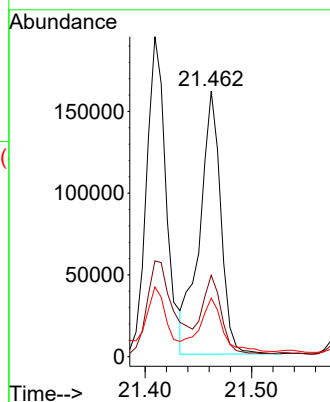
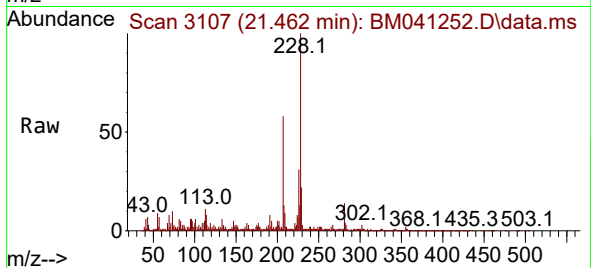
Tgt Ion:228 Resp: 222609

Ion Ratio Lower Upper

228 100

226 30.7 24.5 36.7

229 22.0 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.903 ng

RT: 21.333 min Scan# 3085

Delta R.T. -0.000 min

Lab File: BM041252.D

Acq: 02 Aug 2023 19:36

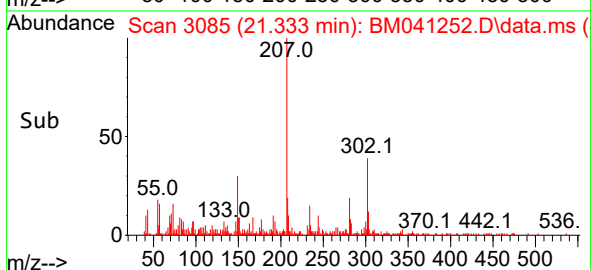
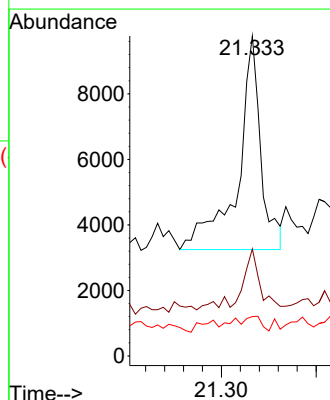
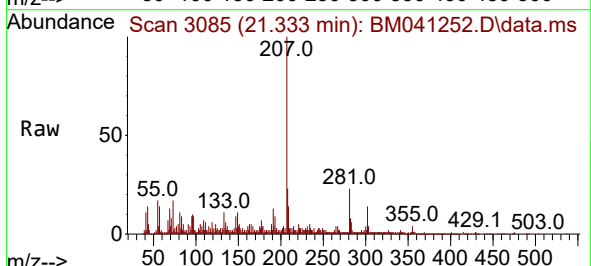
Tgt Ion:149 Resp: 11030

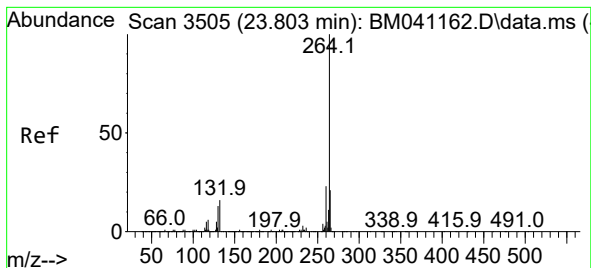
Ion Ratio Lower Upper

149 100

167 33.4 21.0 31.6#

279 12.3 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.803 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM041252.D

Acq: 02 Aug 2023 19:36

Instrument :

BNA_M

ClientSampleId :

RB-57-(1-3)

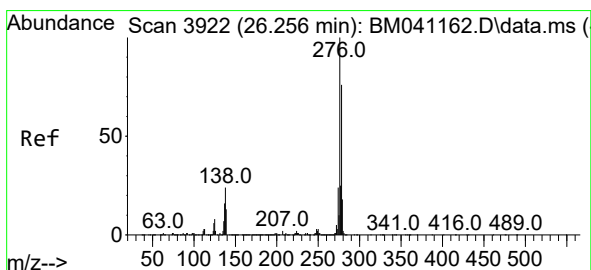
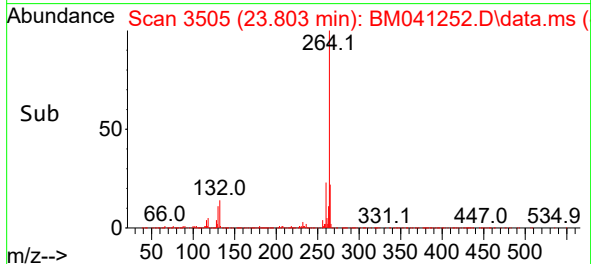
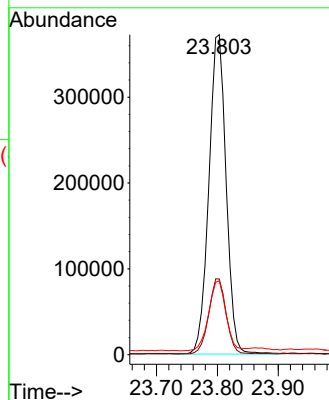
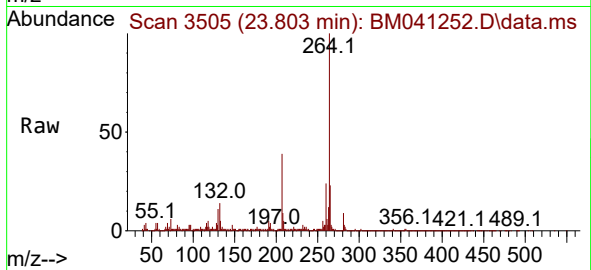
Tgt Ion:264 Resp: 732717

Ion Ratio Lower Upper

264 100

260 23.7 18.5 27.7

265 23.1 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.372 ng

RT: 26.244 min Scan# 3920

Delta R.T. -0.018 min

Lab File: BM041252.D

Acq: 02 Aug 2023 19:36

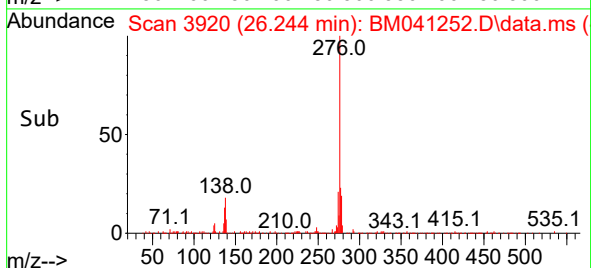
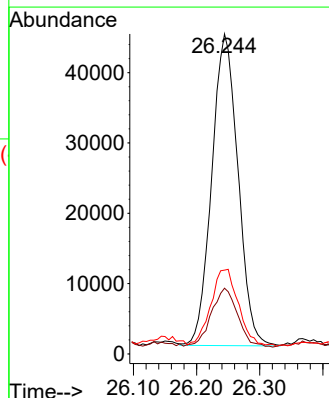
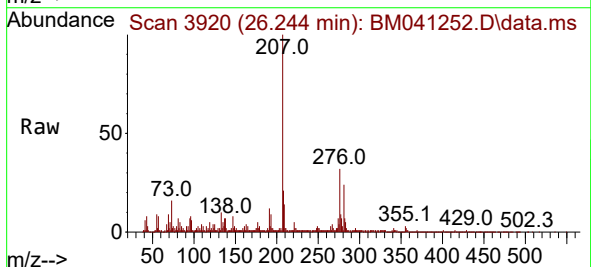
Tgt Ion:276 Resp: 127779

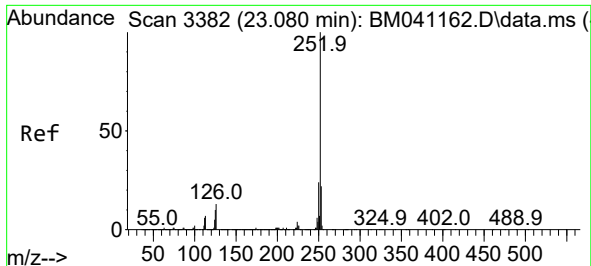
Ion Ratio Lower Upper

276 100

138 19.1 20.0 30.0#

277 26.1 20.1 30.1

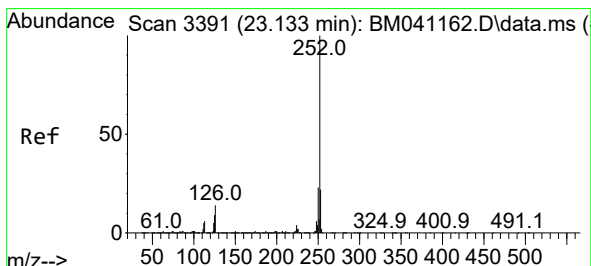
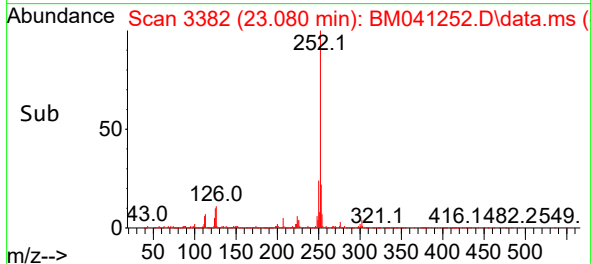
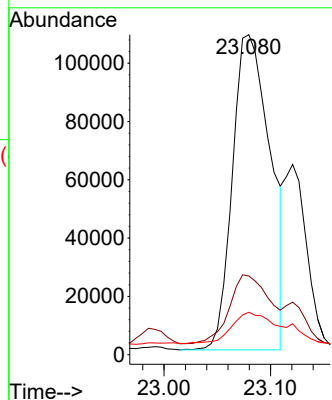
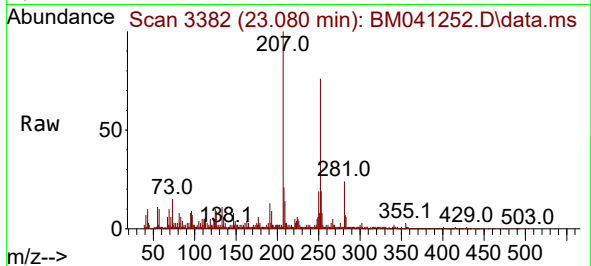




#88
Benzo(b)fluoranthene
Concen: 6.147 ng
RT: 23.080 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

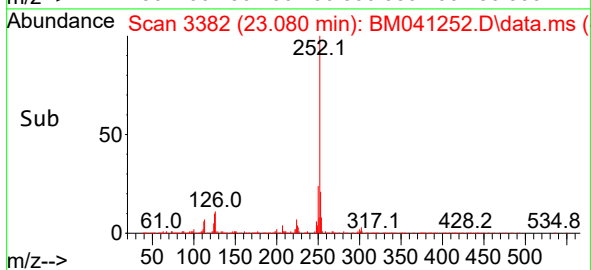
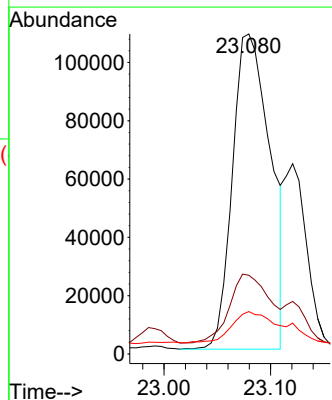
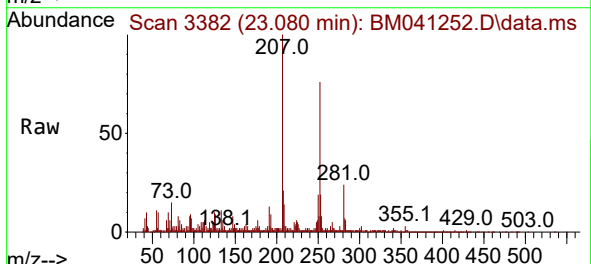
Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)

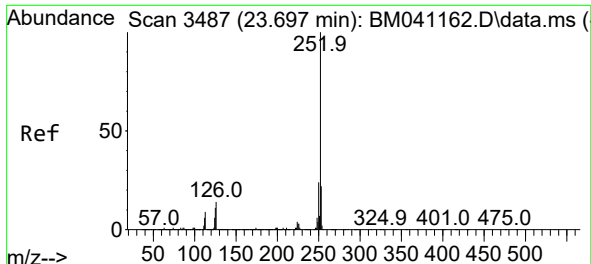
Tgt Ion:252 Resp: 267575
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 13.2 8.2 12.4#



#89
Benzo(k)fluoranthene
Concen: 6.010 ng
RT: 23.080 min Scan# 3382
Delta R.T. -0.053 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion:252 Resp: 267575
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 13.2 7.6 11.4#

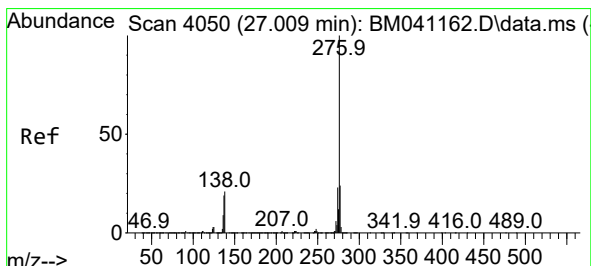
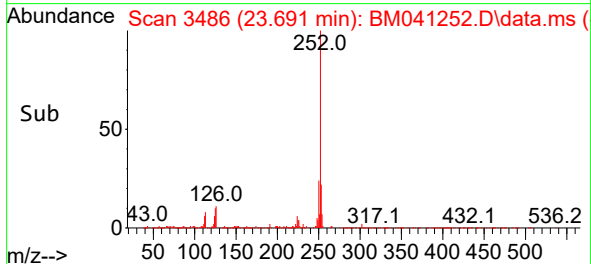
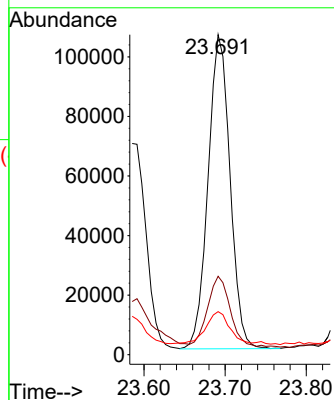
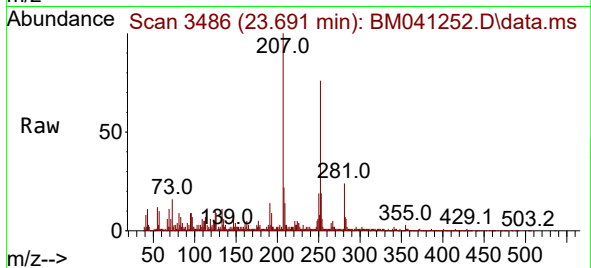




#90
Benzo(a)pyrene
Concen: 4.746 ng
RT: 23.691 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)

Tgt Ion:252 Resp: 198480
Ion Ratio Lower Upper
252 100
253 24.5 17.3 25.9
125 13.5 9.0 13.4#



#92
Benzo(g,h,i)perylene
Concen: 2.832 ng
RT: 27.003 min Scan# 4049
Delta R.T. -0.012 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion:276 Resp: 124532
Ion Ratio Lower Upper
276 100
277 26.4 19.1 28.7
138 20.2 17.1 25.7

