

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
 Data File : BM041277.D
 Acq On : 04 Aug 2023 00:32
 Operator : MA/JU
 Sample : 03862-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-B-15-(5-10)

Quant Time: Aug 04 01:27:28 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)

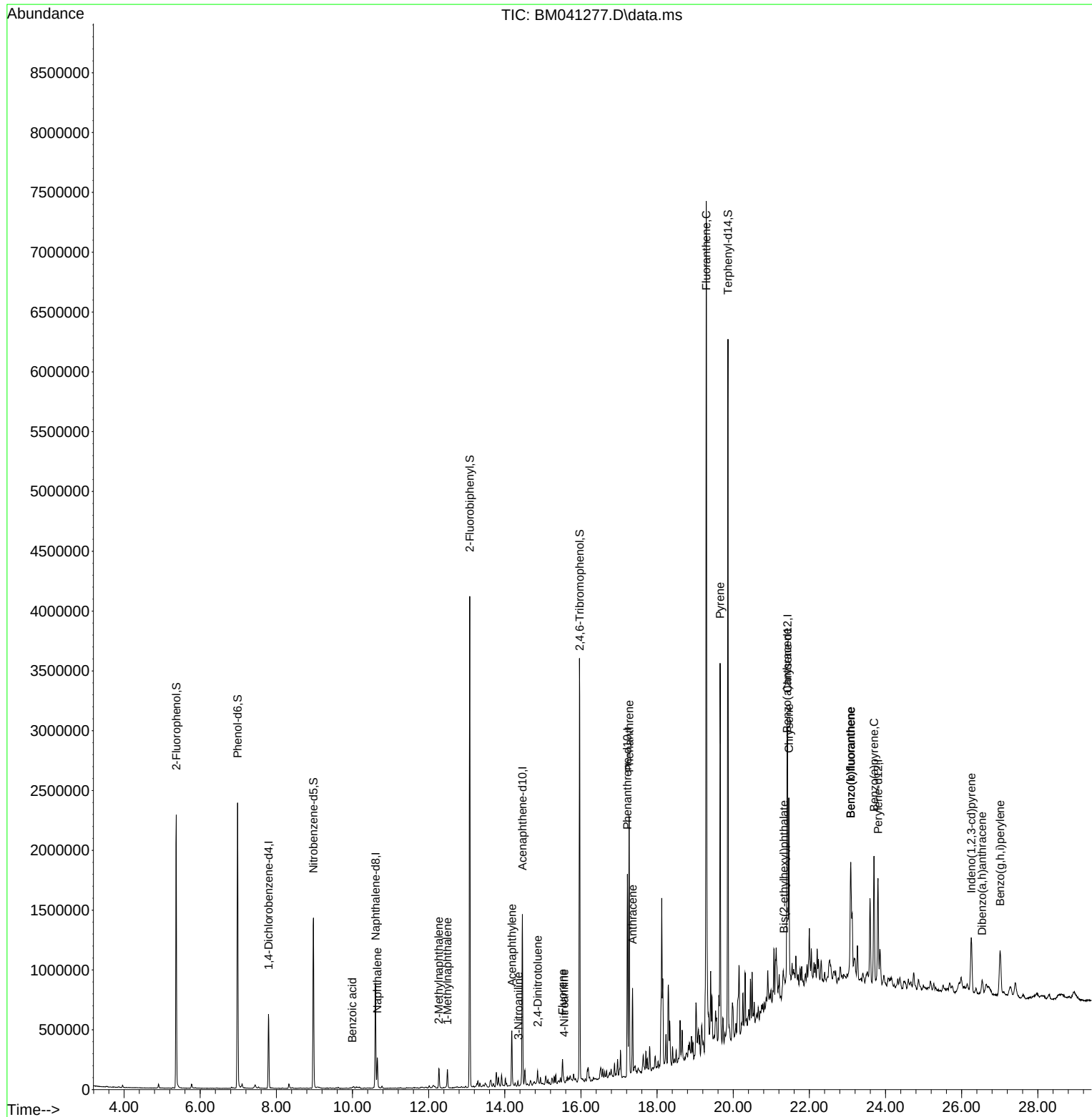
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	158337	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	698623	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	466120	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	983580	20.000	ng	0.00
76) Chrysene-d12	21.427	240	628502	20.000	ng	0.00
86) Perylene-d12	23.803	264	650528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	940973	88.821	ng	0.00
7) Phenol-d6	6.981	99	1283438	93.460	ng	0.00
23) Nitrobenzene-d5	8.975	82	813834	54.174	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	641089	97.237	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	1994823	54.062	ng	0.00
79) Terphenyl-d14	19.862	244	2687581	77.315	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.651	128	192943	5.089	ng	99
32) Benzoic acid	9.992	122	64	7.162	ng	# 1
37) 2-Methylnaphthalene	12.269	142	73678	2.883	ng	98
38) 1-Methylnaphthalene	12.492	142	65089	2.721	ng	97
49) Acenaphthylene	14.186	152	320238	7.032	ng	100
53) 3-Nitroaniline	14.357	138	60	2.584	ng	# 73
57) 2,4-Dinitrotoluene	14.863	165	955	2.757	ng	# 1
58) Fluorene	15.515	166	96545	2.734	ng	97
62) 4-Nitroaniline	15.563	138	161	4.167	ng	# 1
71) Phenanthrene	17.268	178	1267678	23.197	ng	99
72) Anthracene	17.357	178	417266	7.720	ng	100
75) Fluoranthene	19.292	202	1616325	26.326	ng	99
78) Pyrene	19.656	202	1817847	41.360	ng	99
81) Benzo(a)anthracene	21.409	228	870288	20.426	ng	97
83) Chrysene	21.462	228	807913	19.604	ng	98
84) Bis(2-ethylhexyl)phtha...	21.333	149	20352	3.295	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.250	276	467046	9.765	ng	# 93
88) Benzo(b)fluoranthene	23.086	252	909453	23.533	ng	98
89) Benzo(k)fluoranthene	23.086	252	909453	23.006	ng	98
90) Benzo(a)pyrene	23.697	252	756972	20.386	ng	97
91) Dibenzo(a,h)anthracene	26.538	278	87322	2.189	ng	93
92) Benzo(g,h,i)perylene	27.009	276	497648	12.749	ng	97

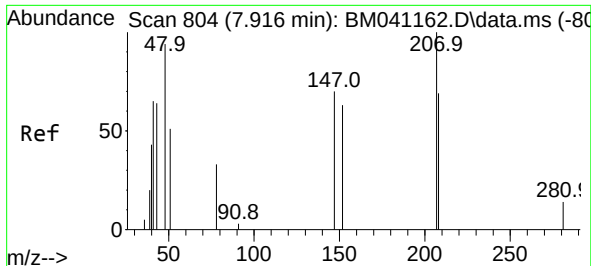
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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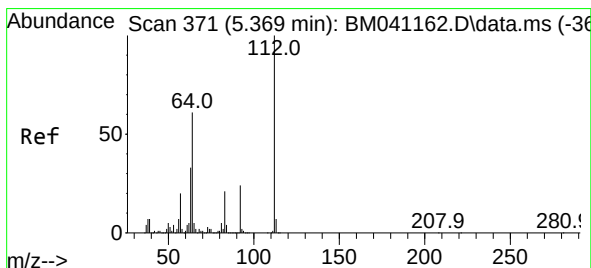
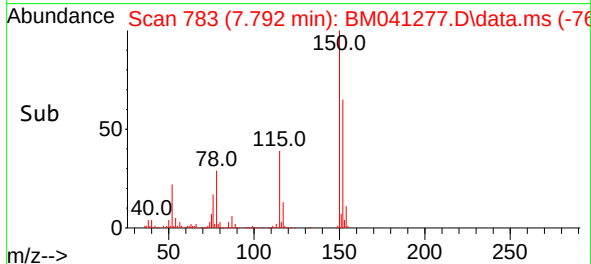
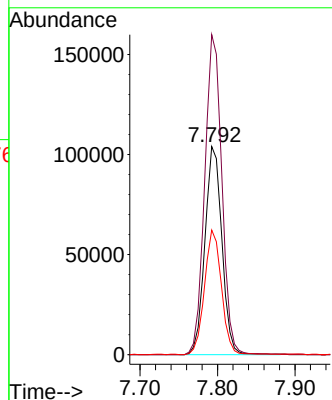
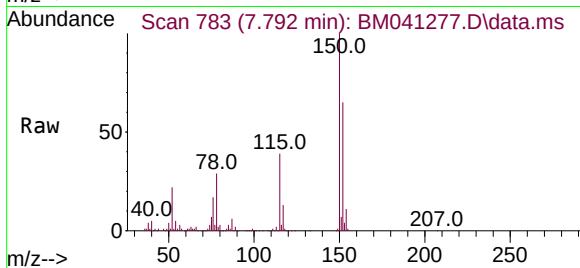


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.792 min Scan# 783
 Delta R.T. -0.001 min
 Lab File: BM041277.D
 Acq: 04 Aug 2023 00:32

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-B-15-(5-10)

Tgt Ion:152 Resp: 158337

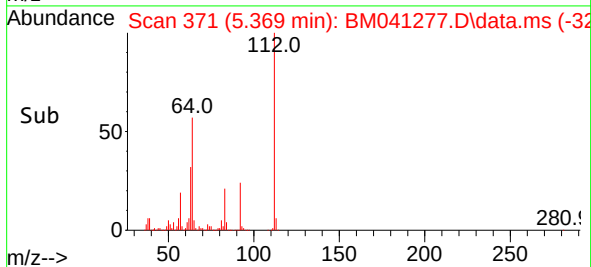
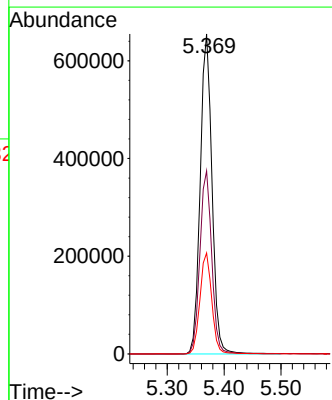
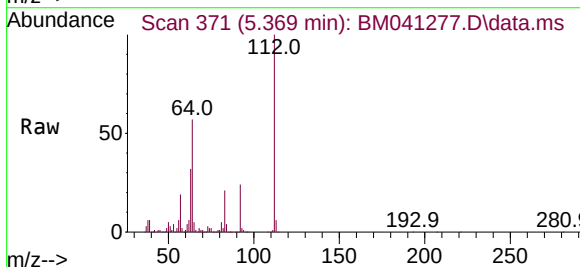
Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.5	188.3
115	59.9	48.0	72.0

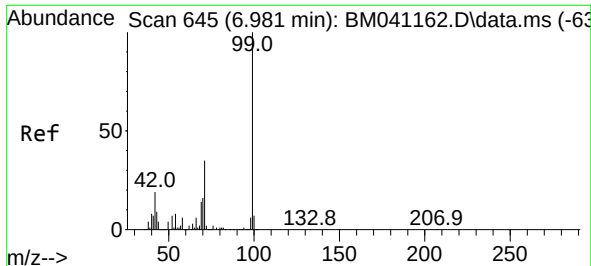


#5
 2-Fluorophenol
 Concen: 88.821 ng
 RT: 5.369 min Scan# 371
 Delta R.T. -0.000 min
 Lab File: BM041277.D
 Acq: 04 Aug 2023 00:32

Tgt Ion:112 Resp: 940973

Ion	Ratio	Lower	Upper
112	100		
64	57.2	48.5	72.7
63	31.5	26.5	39.7

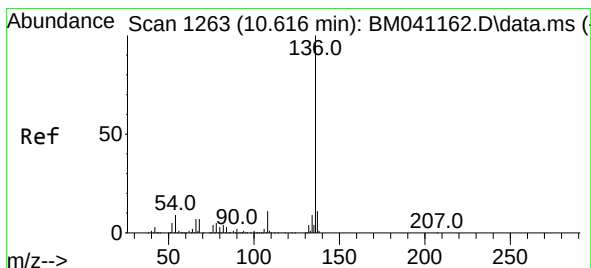
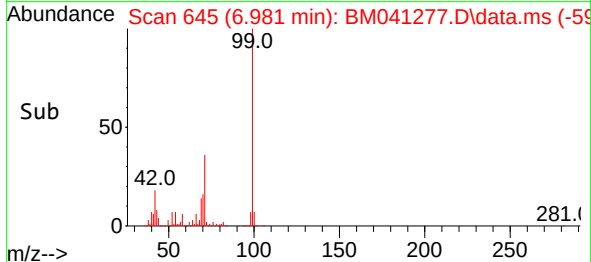
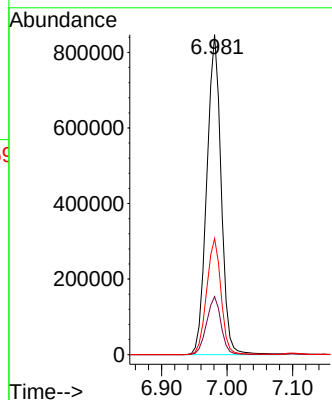
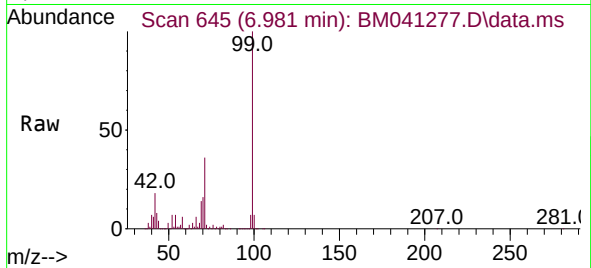




#7
Phenol-d6
Concen: 93.460 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

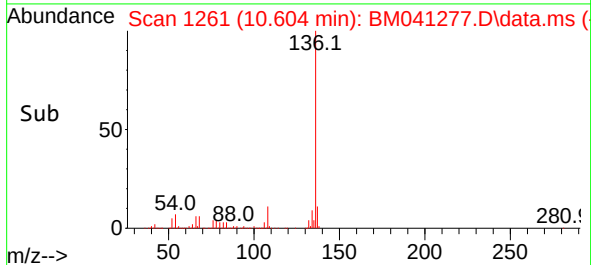
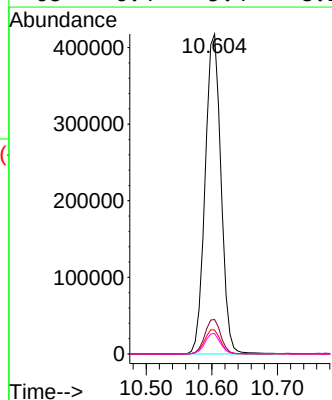
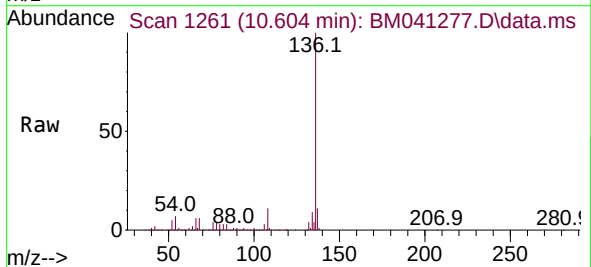
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)

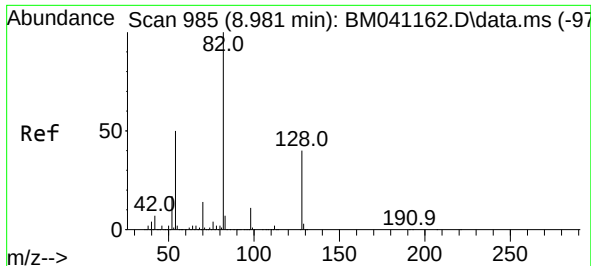
Tgt Ion: 99 Resp: 1283438
Ion Ratio Lower Upper
99 100
42 18.1 15.4 23.0
71 36.3 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Tgt Ion: 136 Resp: 698623
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.5 6.9 10.3
68 6.4 5.4 8.2

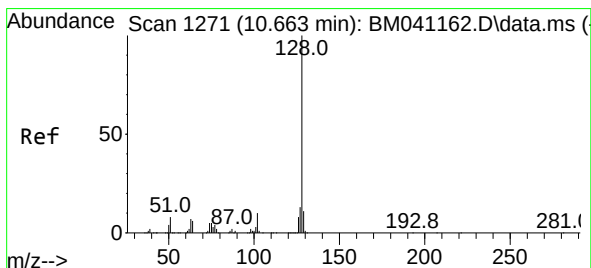
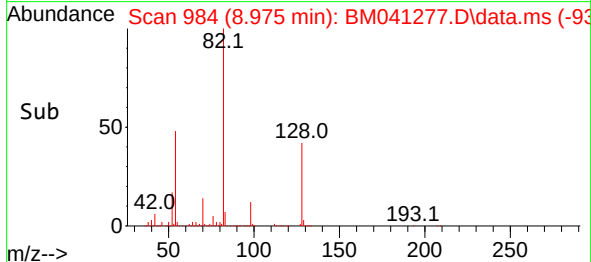
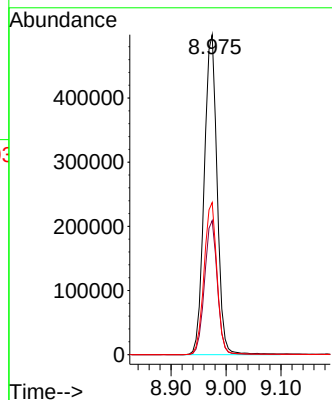
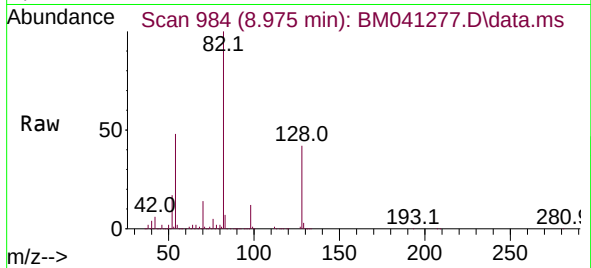




#23
Nitrobenzene-d5
Concen: 54.174 ng
RT: 8.975 min Scan# 984
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

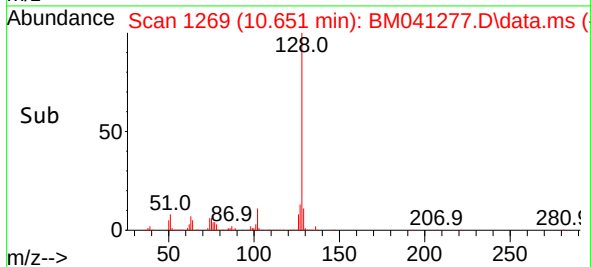
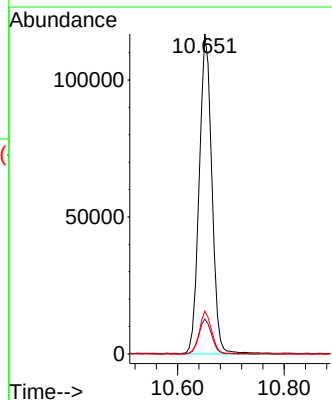
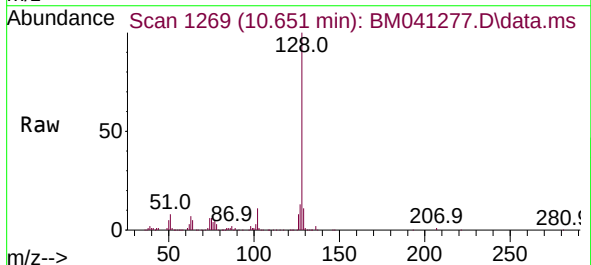
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)

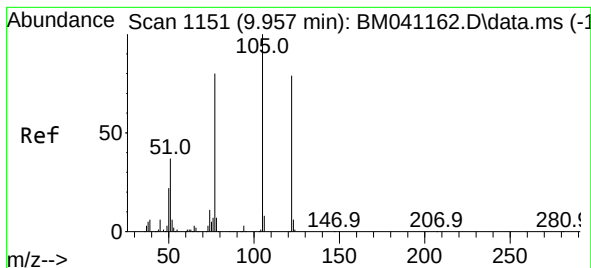
Tgt Ion: 82 Resp: 813834
Ion Ratio Lower Upper
82 100
128 41.9 31.8 47.6
54 47.5 40.1 60.1



#31
Naphthalene
Concen: 5.089 ng
RT: 10.651 min Scan# 1269
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Tgt Ion: 128 Resp: 192943
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.3 10.5 15.7





#32

Benzoic acid

Concen: 7.162 ng

RT: 9.992 min Scan# 1157

Delta R.T. 0.035 min

Lab File: BM041277.D

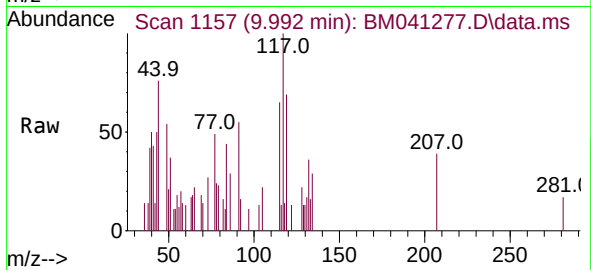
Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)



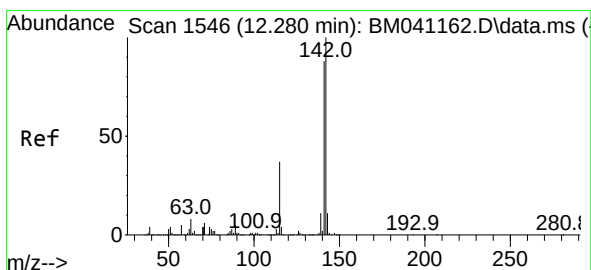
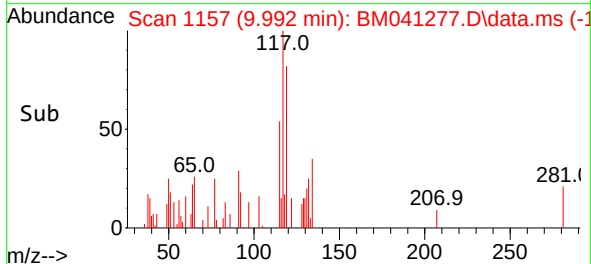
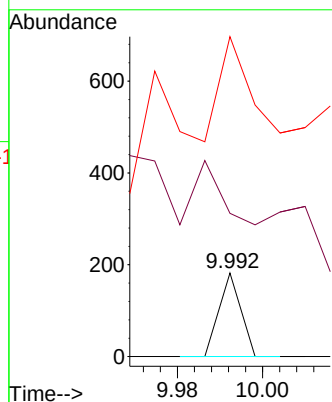
Tgt Ion:122 Resp: 64

Ion Ratio Lower Upper

122 100

105 171.4 104.0 144.0#

77 383.0 79.9 119.9#



#37

2-Methylnaphthalene

Concen: 2.883 ng

RT: 12.269 min Scan# 1544

Delta R.T. -0.006 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

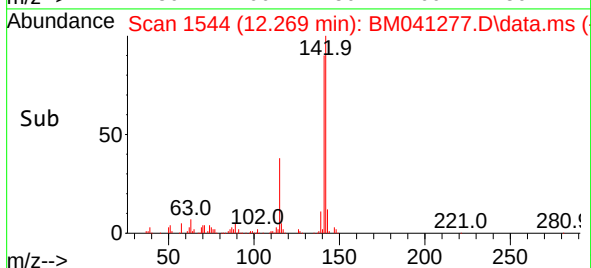
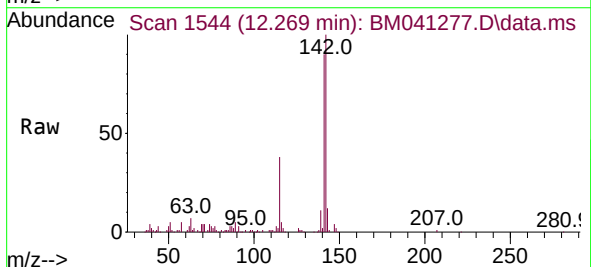
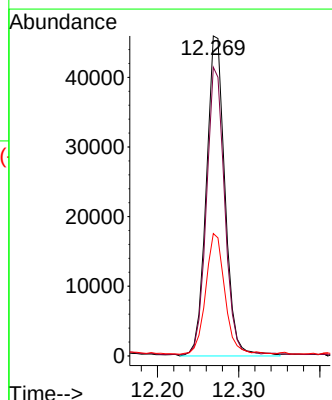
Tgt Ion:142 Resp: 73678

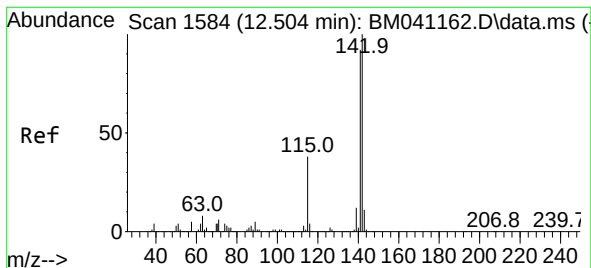
Ion Ratio Lower Upper

142 100

141 90.2 70.7 106.1

115 38.3 29.3 43.9





#38

1-Methylnaphthalene

Concen: 2.721 ng

RT: 12.492 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)

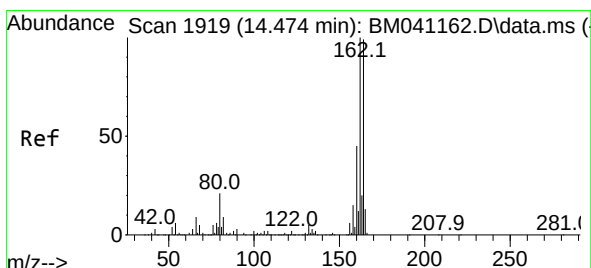
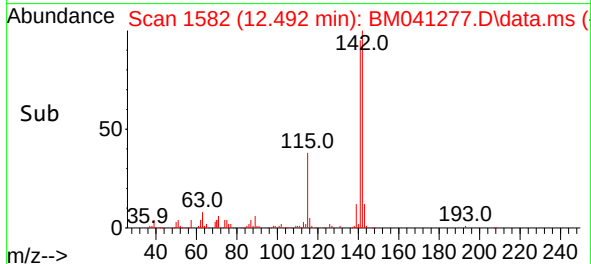
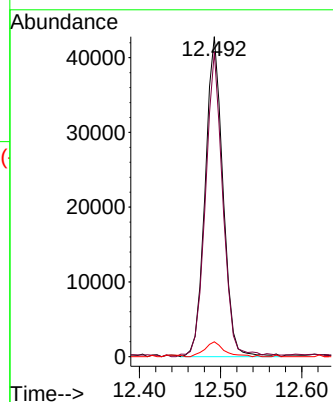
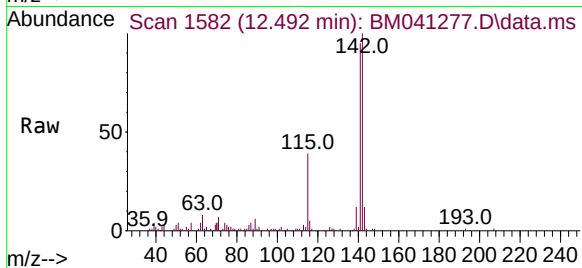
Tgt Ion:142 Resp: 65089

Ion Ratio Lower Upper

142 100

141 95.2 73.4 110.2

116 4.6 3.2 4.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

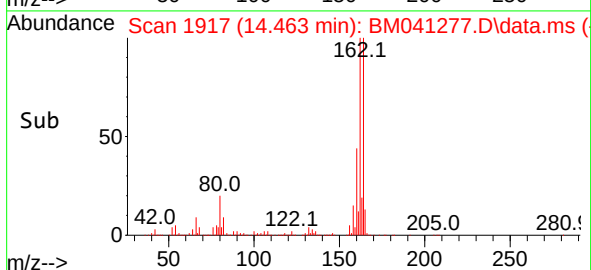
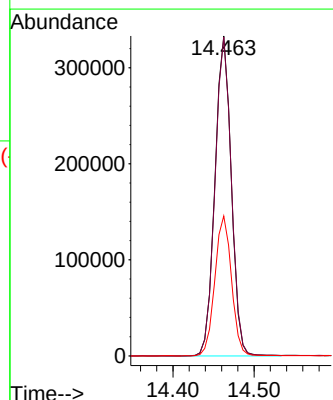
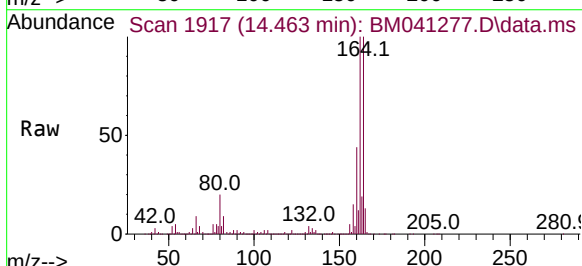
Tgt Ion:164 Resp: 466120

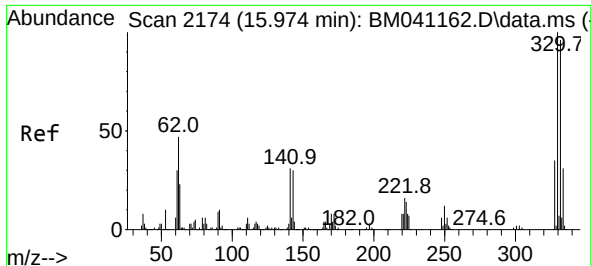
Ion Ratio Lower Upper

164 100

162 99.6 80.4 120.6

160 43.7 36.2 54.2

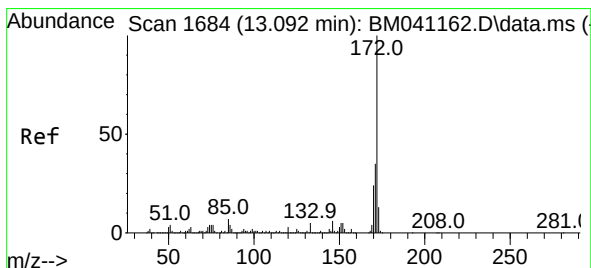
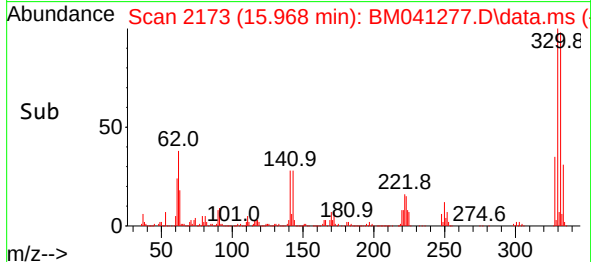
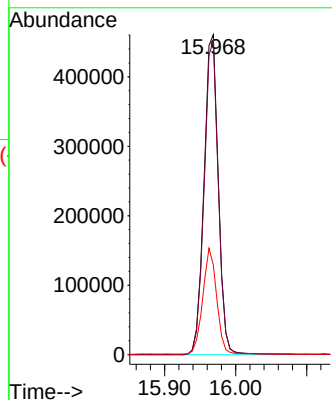
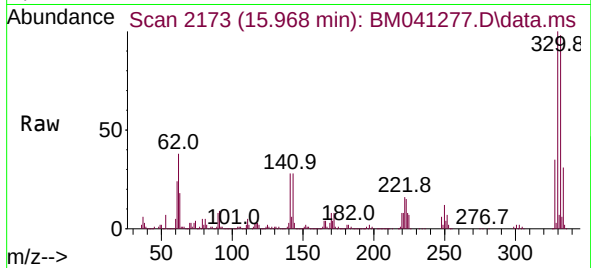




#42
2,4,6-Tribromophenol
Concen: 97.237 ng
RT: 15.968 min Scan# 2173
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

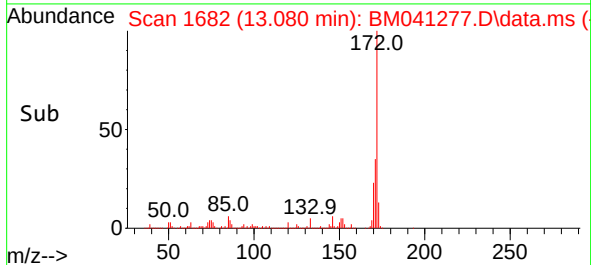
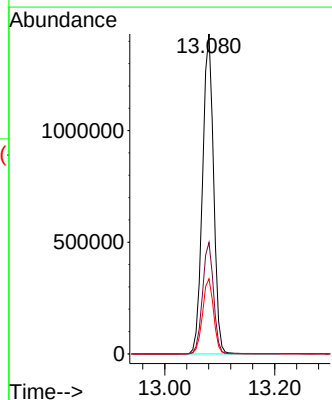
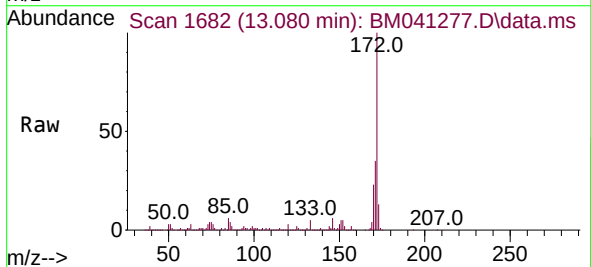
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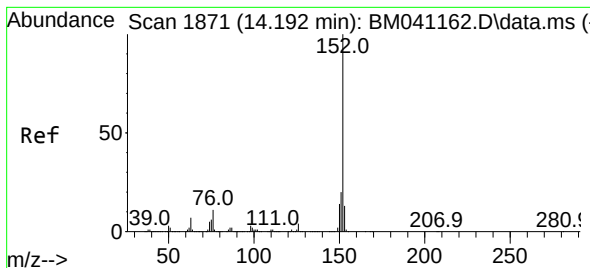
Tgt Ion:330 Resp: 641089
Ion Ratio Lower Upper
330 100
332 97.4 77.7 116.5
141 32.3 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 54.062 ng
RT: 13.080 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Tgt Ion:172 Resp: 1994823
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.5 18.9 28.3





#49

Acenaphthylene

Concen: 7.032 ng

RT: 14.186 min Scan# 1871

Delta R.T. -0.000 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)

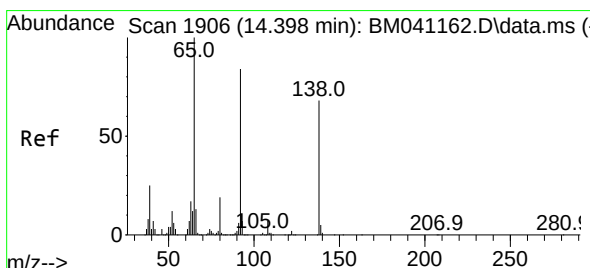
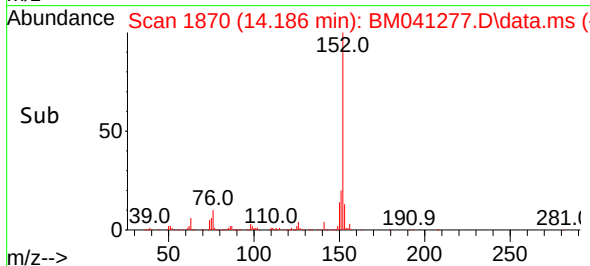
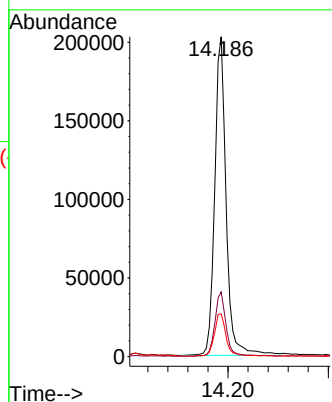
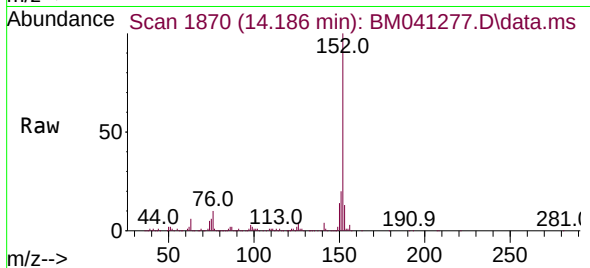
Tgt Ion:152 Resp: 320238

Ion Ratio Lower Upper

152 100

151 20.2 16.1 24.1

153 13.4 10.5 15.7



#53

3-Nitroaniline

Concen: 2.584 ng

RT: 14.357 min Scan# 1899

Delta R.T. -0.035 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

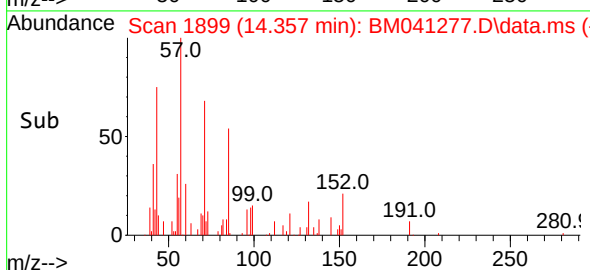
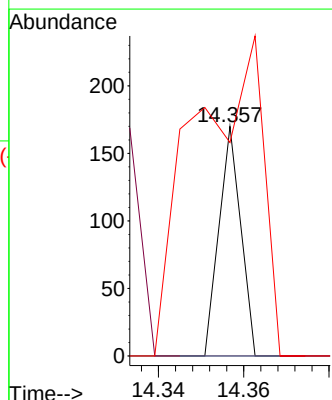
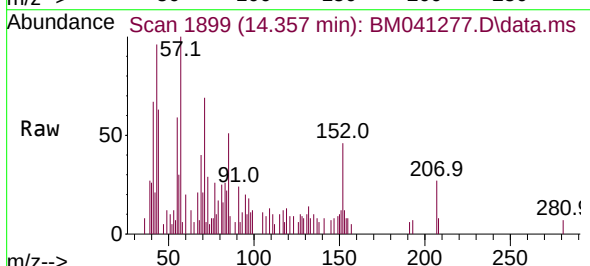
Tgt Ion:138 Resp: 60

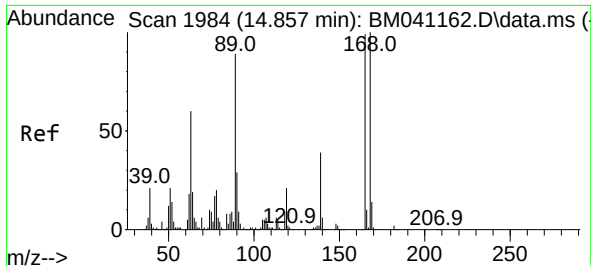
Ion Ratio Lower Upper

138 100

108 0.0 7.6 11.4#

92 92.9 98.9 148.3#

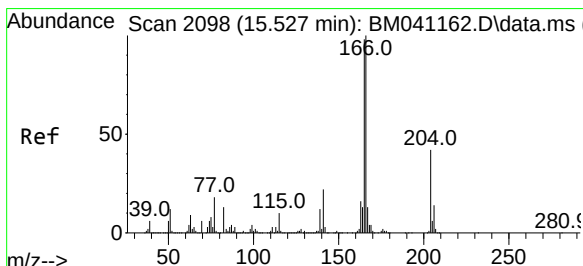
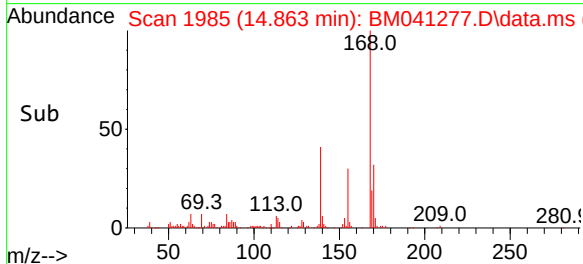
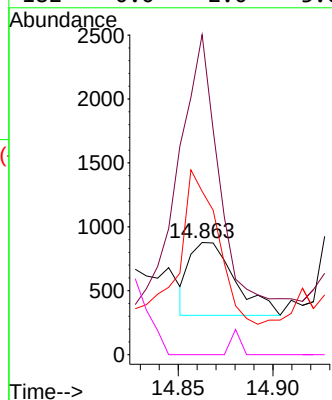
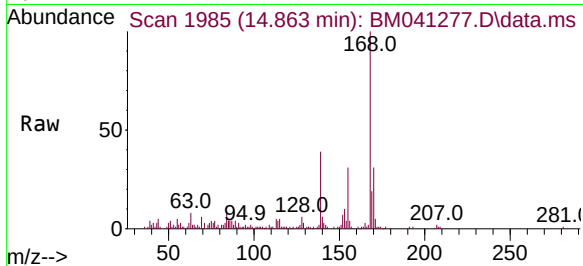




#57
2,4-Dinitrotoluene
Concen: 2.757 ng
RT: 14.863 min Scan# 1984
Delta R.T. 0.006 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

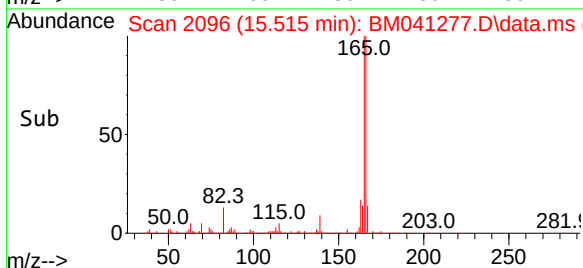
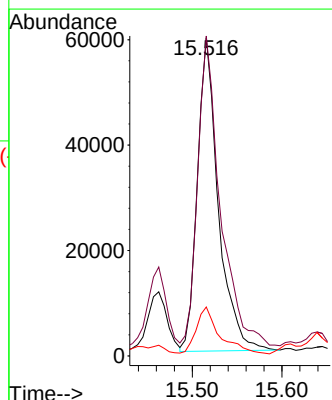
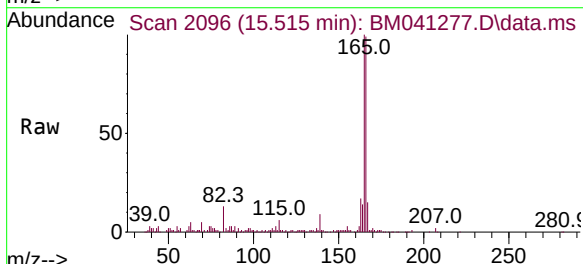
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)

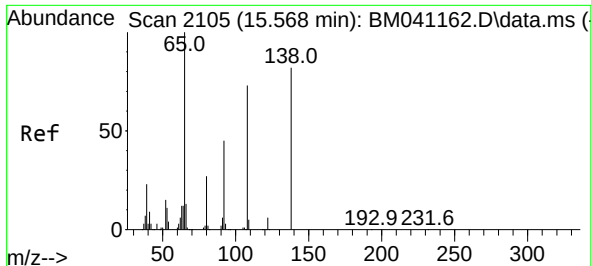
Tgt Ion:165 Resp: 955
Ion Ratio Lower Upper
165 100
63 285.5 48.3 72.5#
89 145.7 71.8 107.8#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 2.734 ng
RT: 15.515 min Scan# 2096
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Tgt Ion:166 Resp: 96545
Ion Ratio Lower Upper
166 100
165 100.6 78.2 117.4
167 15.3 10.6 16.0

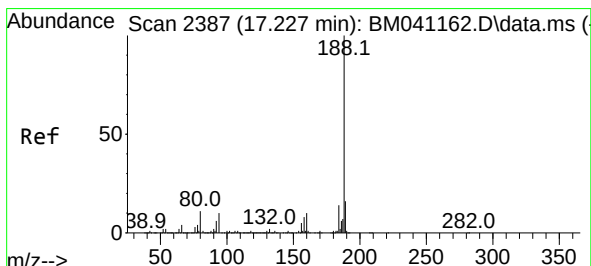
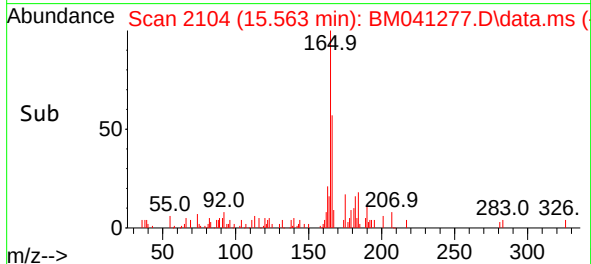
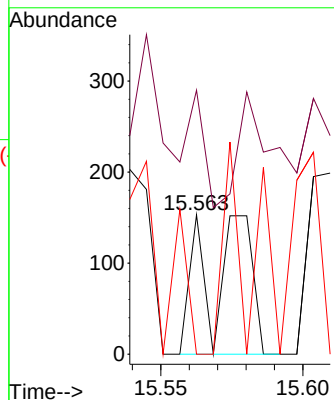
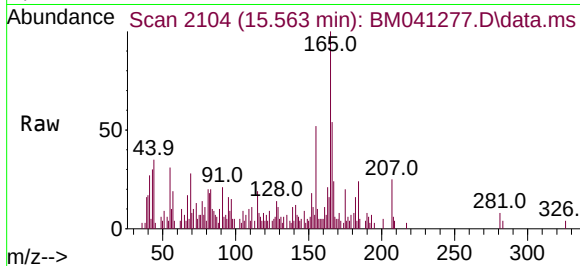




#62
4-Nitroaniline
Concen: 4.167 ng
RT: 15.563 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

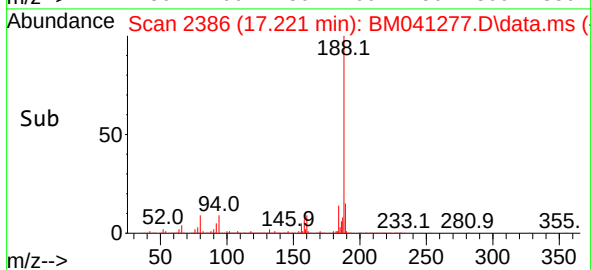
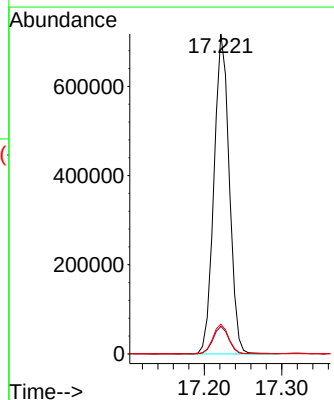
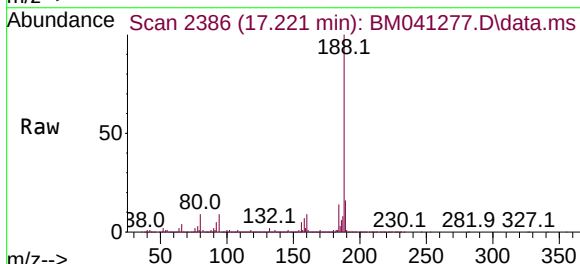
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)

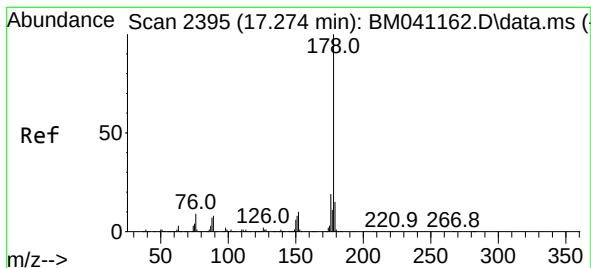
Tgt Ion:138 Resp: 161
Ion Ratio Lower Upper
138 100
92 189.5 35.1 75.1#
108 0.0 67.8 107.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2386
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Tgt Ion:188 Resp: 983580
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.2
80 9.3 8.6 13.0





#71

Phenanthrene

Concen: 23.197 ng

RT: 17.268 min Scan# 2394

Delta R.T. -0.000 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)

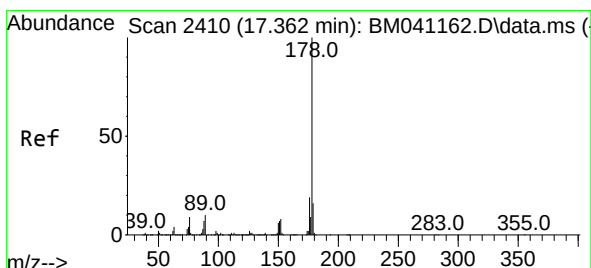
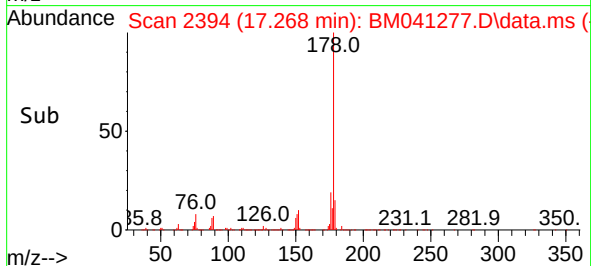
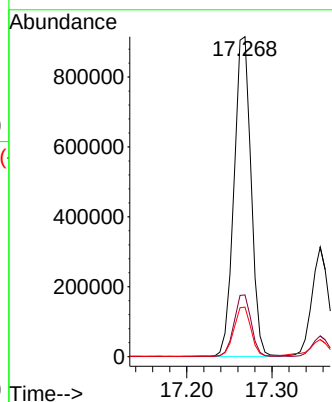
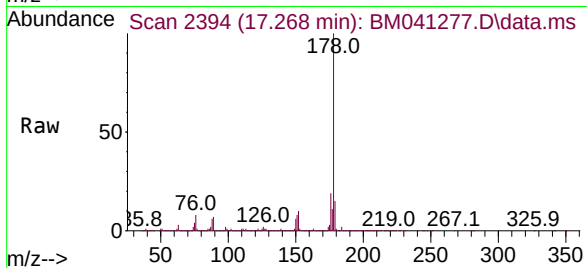
Tgt Ion:178 Resp: 1267678

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 15.5 12.1 18.1



#72

Anthracene

Concen: 7.720 ng

RT: 17.357 min Scan# 2409

Delta R.T. -0.000 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

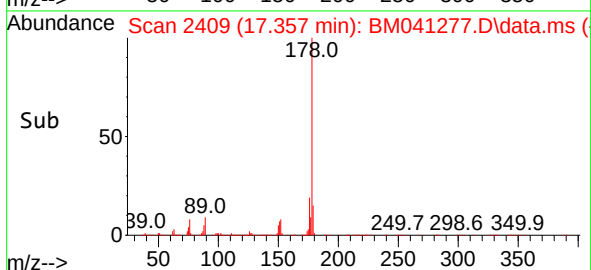
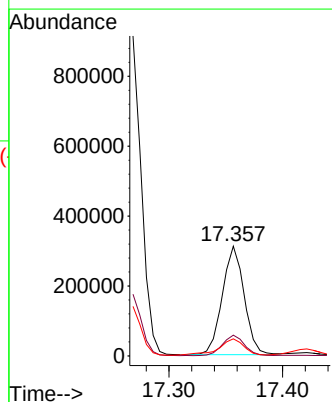
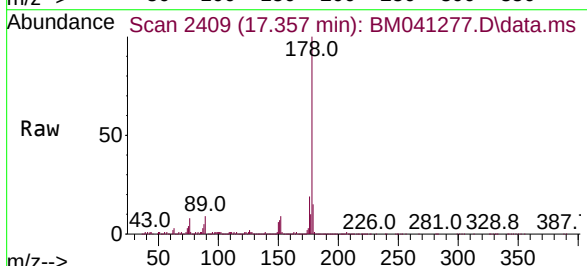
Tgt Ion:178 Resp: 417266

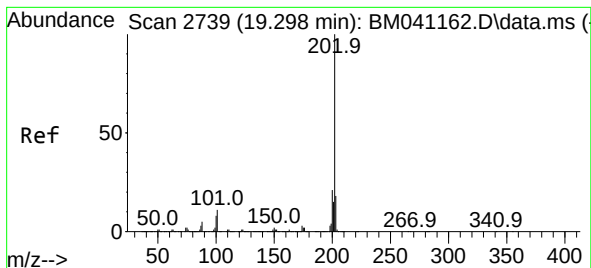
Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 15.5 12.4 18.6





#75

Fluoranthene

Concen: 26.326 ng

RT: 19.292 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)

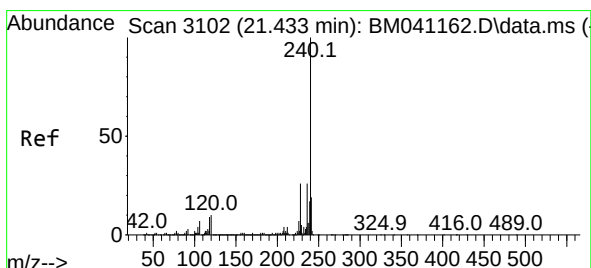
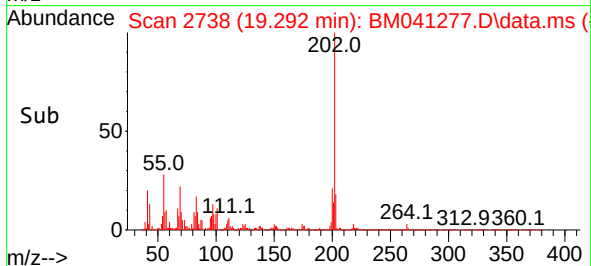
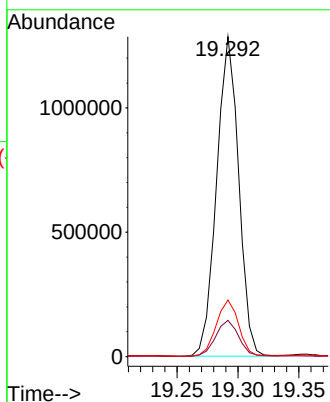
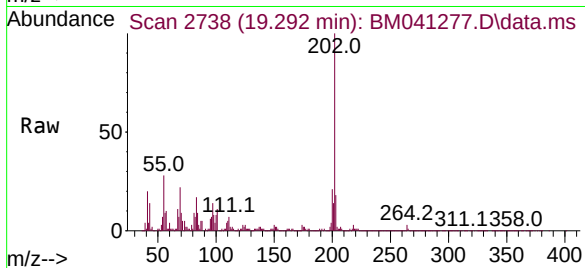
Tgt Ion:202 Resp: 1616325

Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.8

203 17.7 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: BM041277.D

Acq: 04 Aug 2023 00:32

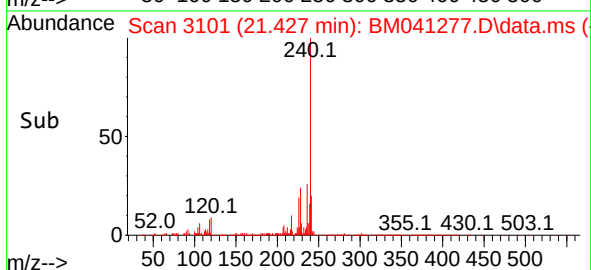
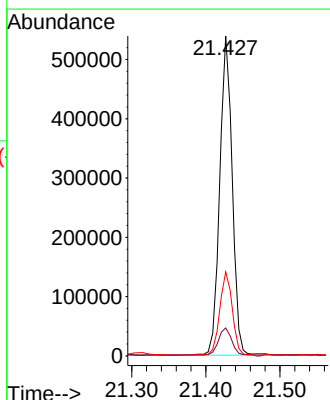
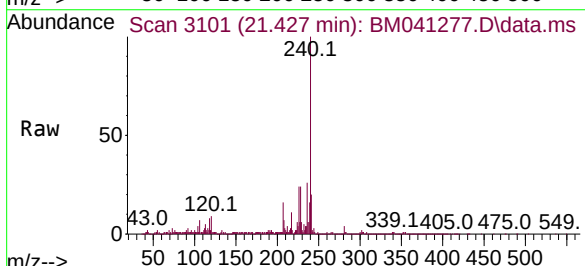
Tgt Ion:240 Resp: 628502

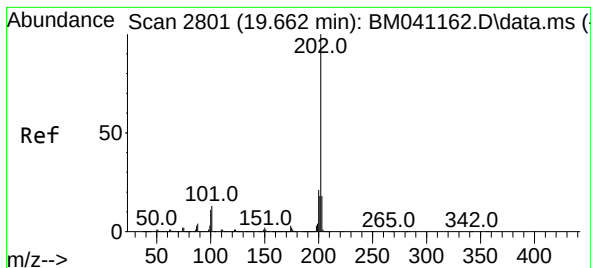
Ion Ratio Lower Upper

240 100

120 8.7 8.3 12.5

236 26.3 20.6 30.8





#78

Pyrene

Concen: 41.360 ng

RT: 19.656 min Scan# 2800

Delta R.T. -0.000 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)

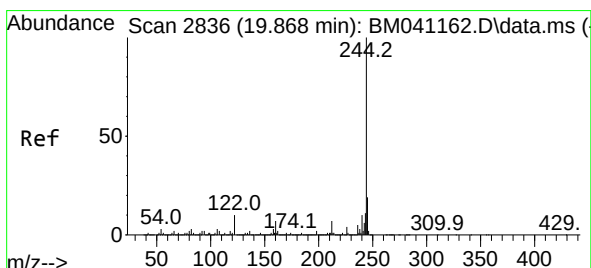
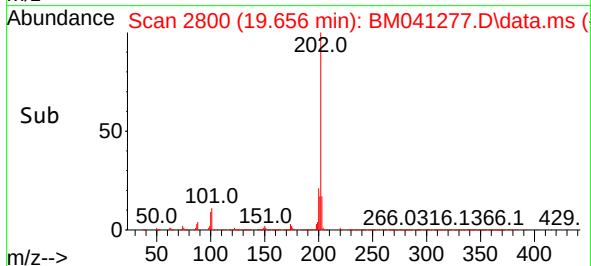
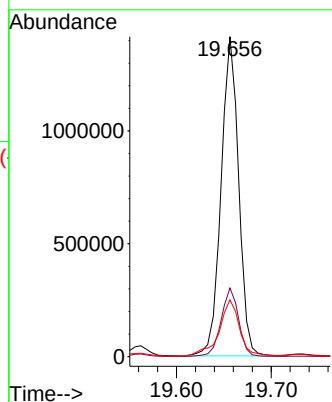
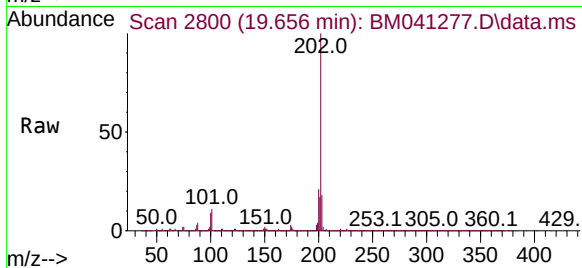
Tgt Ion:202 Resp: 1817847

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 17.8 14.1 21.1



#79

Terphenyl-d14

Concen: 77.315 ng

RT: 19.862 min Scan# 2835

Delta R.T. -0.000 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

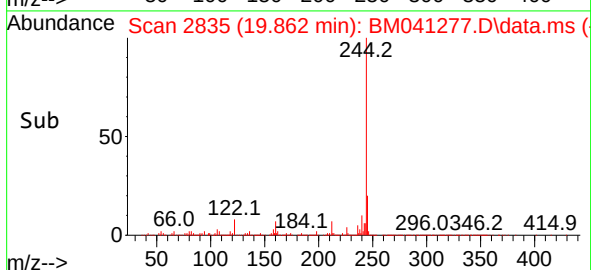
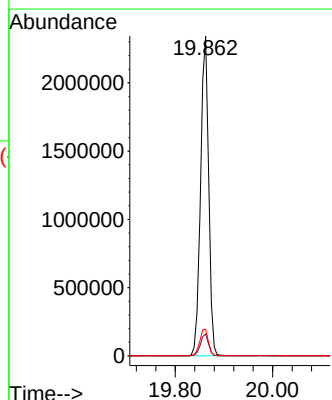
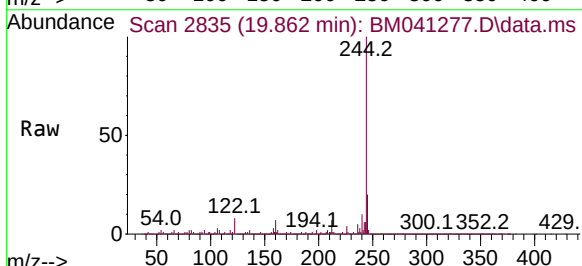
Tgt Ion:244 Resp: 2687581

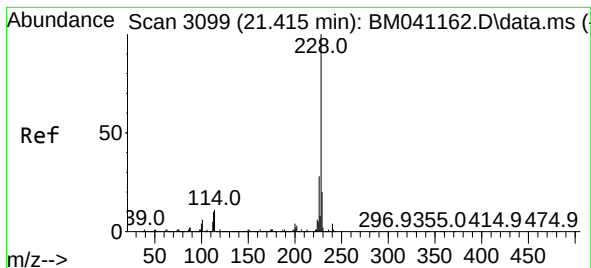
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 8.3 7.8 11.6





#81

Benzo(a)anthracene

Concen: 20.426 ng

RT: 21.409 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)

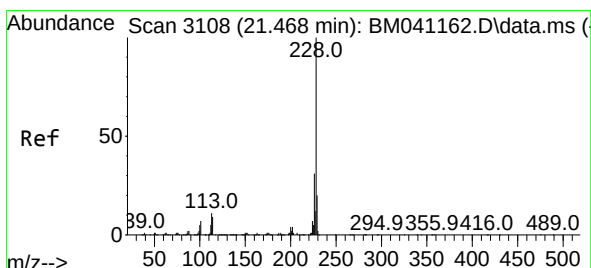
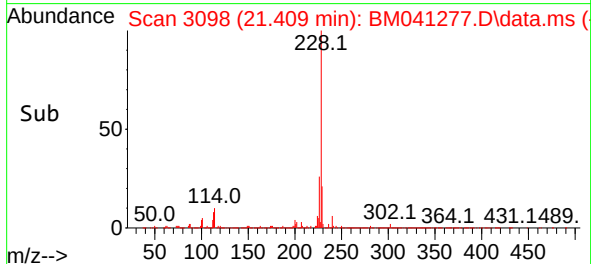
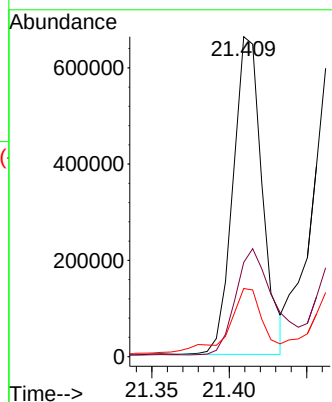
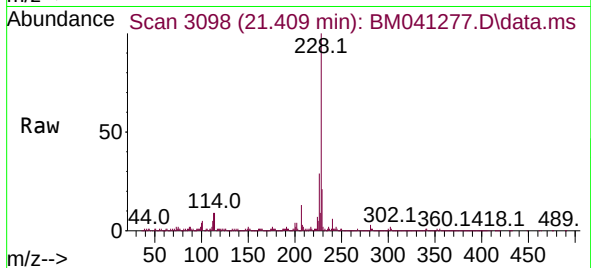
Tgt Ion:228 Resp: 870288

Ion Ratio Lower Upper

228 100

226 29.4 22.4 33.6

229 21.3 15.8 23.8



#83

Chrysene

Concen: 19.604 ng

RT: 21.462 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

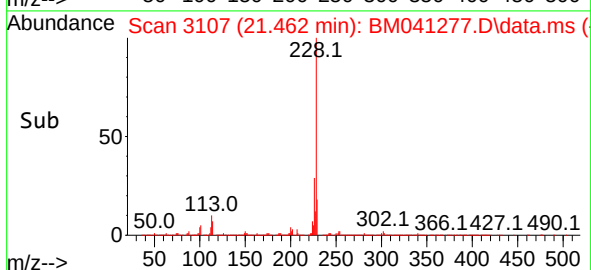
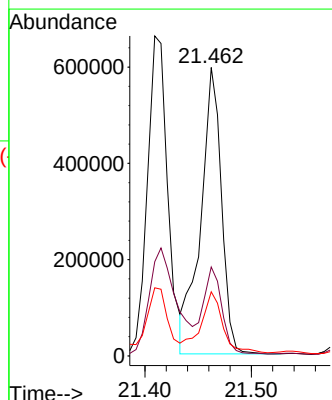
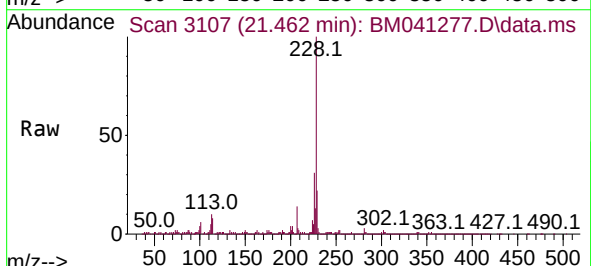
Tgt Ion:228 Resp: 807913

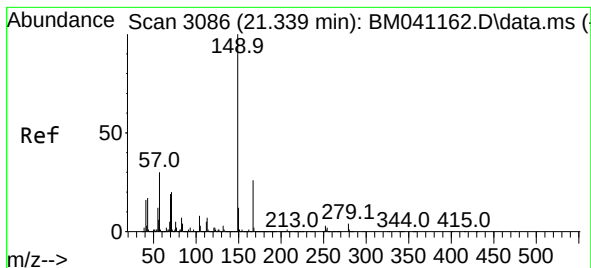
Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

229 22.2 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.295 ng

RT: 21.333 min Scan# 3085

Delta R.T. -0.000 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)

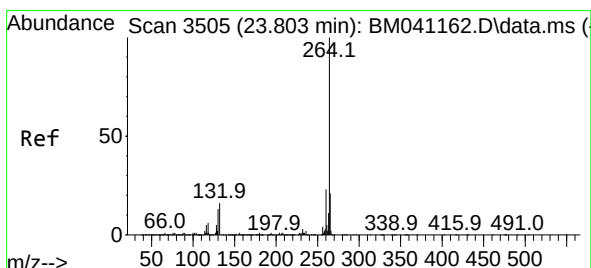
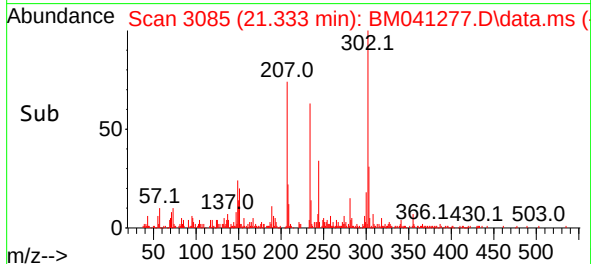
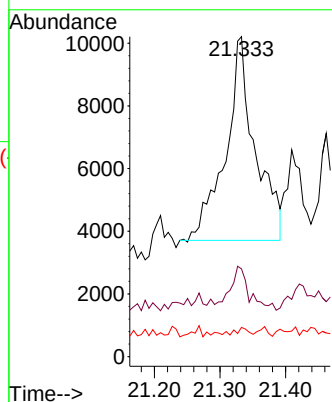
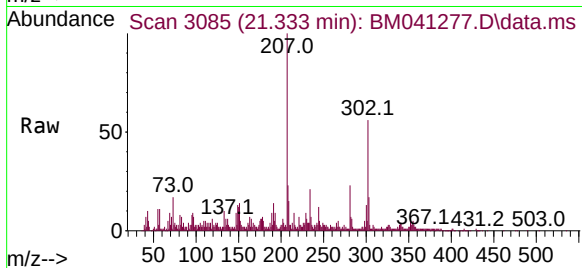
Tgt Ion:149 Resp: 20352

Ion Ratio Lower Upper

149 100

167 27.4 21.0 31.6

279 9.1 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: BM041277.D

Acq: 04 Aug 2023 00:32

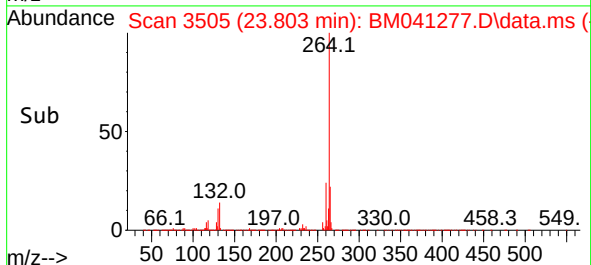
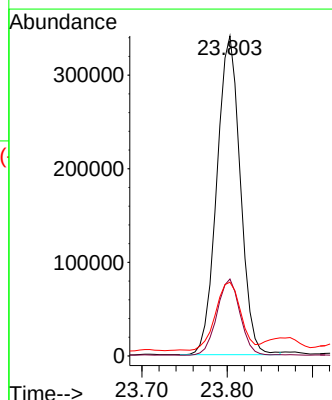
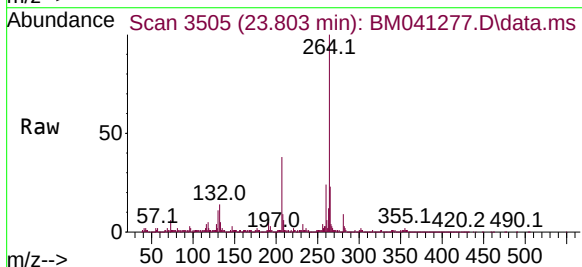
Tgt Ion:264 Resp: 650528

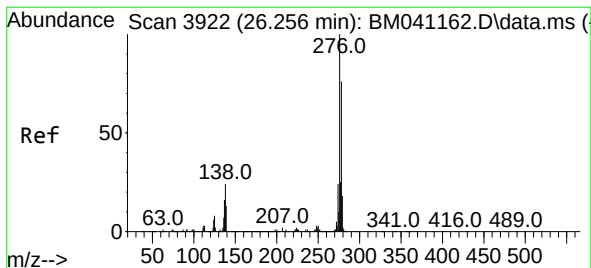
Ion Ratio Lower Upper

264 100

260 24.0 18.5 27.7

265 23.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.765 ng

RT: 26.250 min Scan# 3922

Delta R.T. -0.012 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)

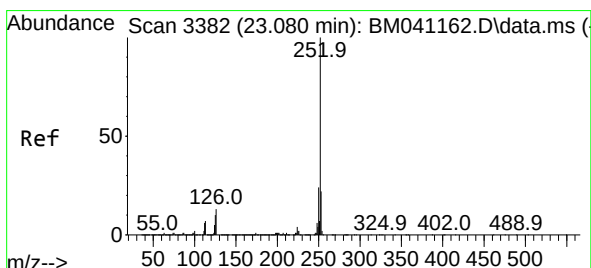
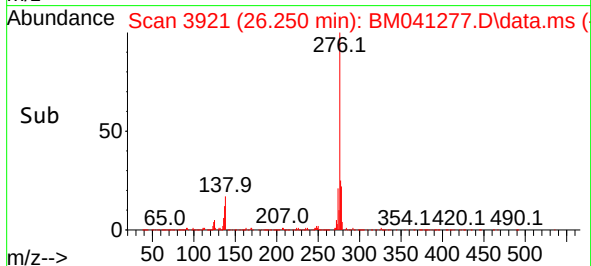
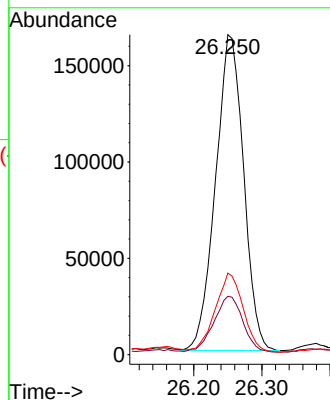
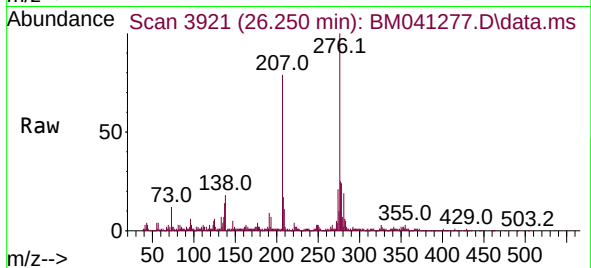
Tgt Ion:276 Resp: 467046

Ion Ratio Lower Upper

276 100

138 18.4 20.0 30.0#

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 23.533 ng

RT: 23.086 min Scan# 3383

Delta R.T. -0.000 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

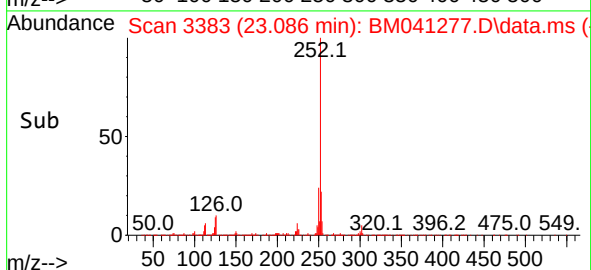
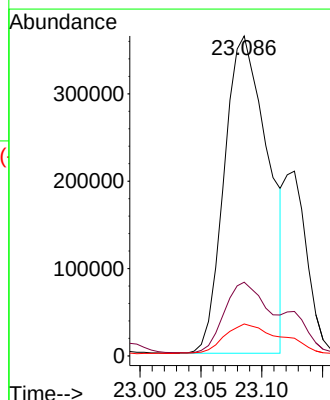
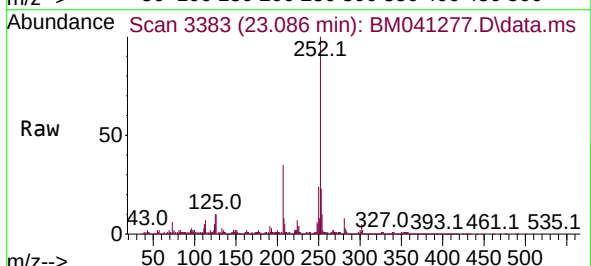
Tgt Ion:252 Resp: 909453

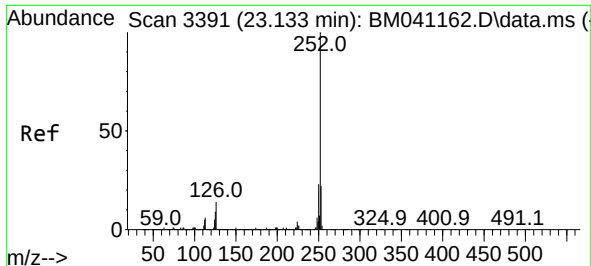
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 10.0 8.2 12.4

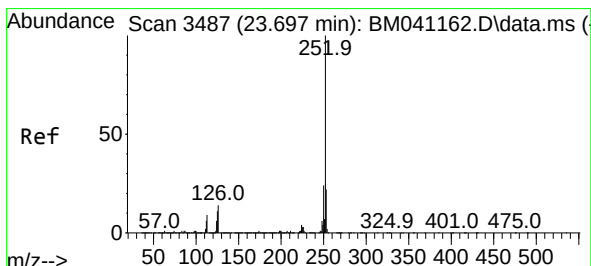
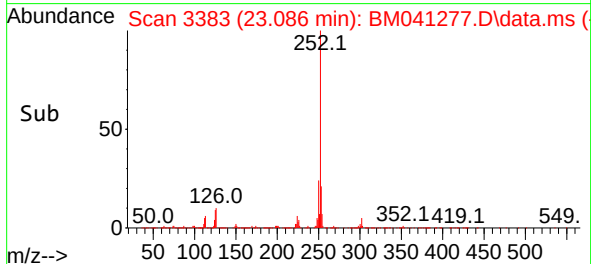
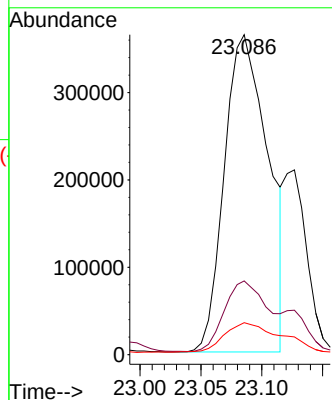
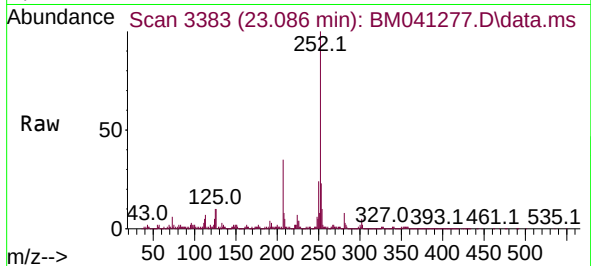




#89
Benzo(k)fluoranthene
Concen: 23.006 ng
RT: 23.086 min Scan# 3391
Delta R.T. -0.047 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

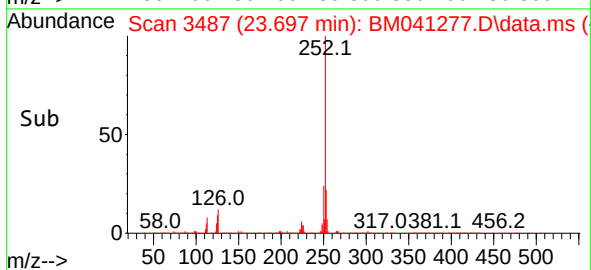
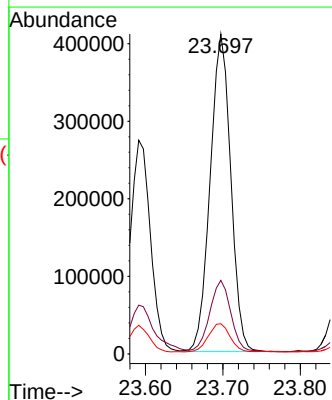
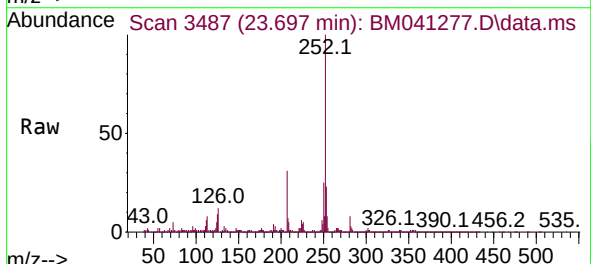
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)

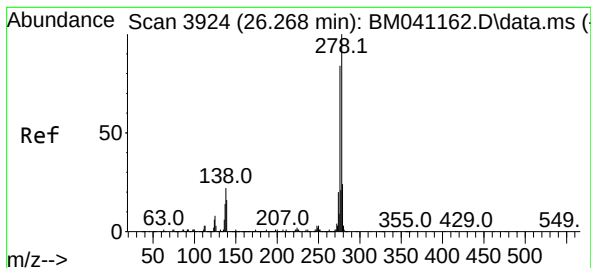
Tgt Ion:252 Resp: 909453
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.0 7.6 11.4



#90
Benzo(a)pyrene
Concen: 20.386 ng
RT: 23.697 min Scan# 3487
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Tgt Ion:252 Resp: 756972
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 9.4 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 2.189 ng

RT: 26.538 min Scan# 39

Delta R.T. 0.265 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)

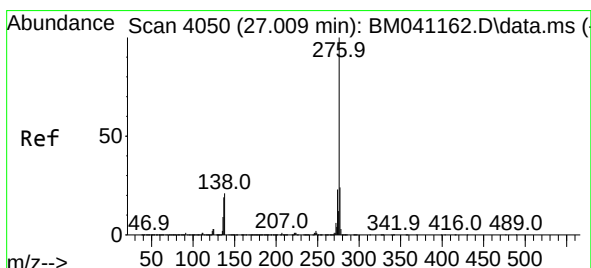
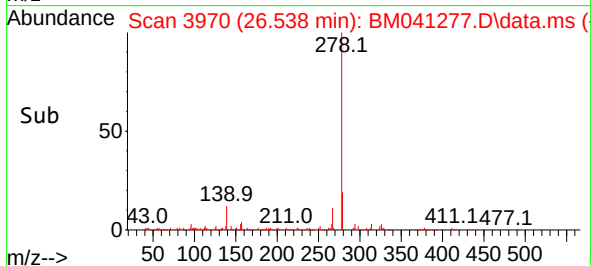
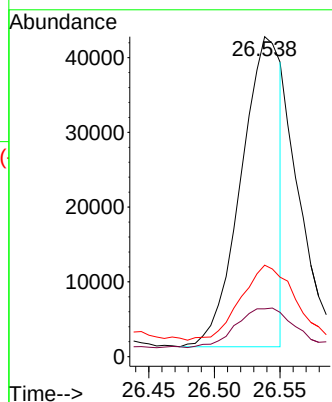
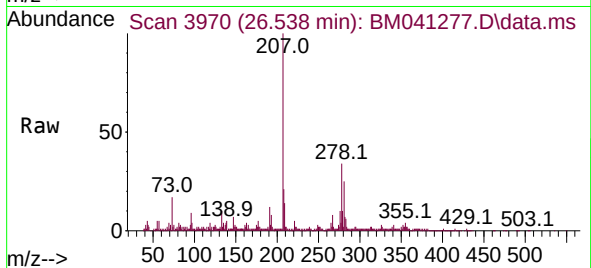
Tgt Ion:278 Resp: 87322

Ion Ratio Lower Upper

278 100

139 14.9 12.7 19.1

279 28.6 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 12.749 ng

RT: 27.009 min Scan# 4050

Delta R.T. -0.006 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Tgt Ion:276 Resp: 497648

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 18.3 17.1 25.7

