

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080423\
 Data File : BM041300.D
 Acq On : 04 Aug 2023 18:38
 Operator : MA/JU
 Sample : 03862-03DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-B-17-(0-5)DL

Quant Time: Aug 05 01:29:22 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)

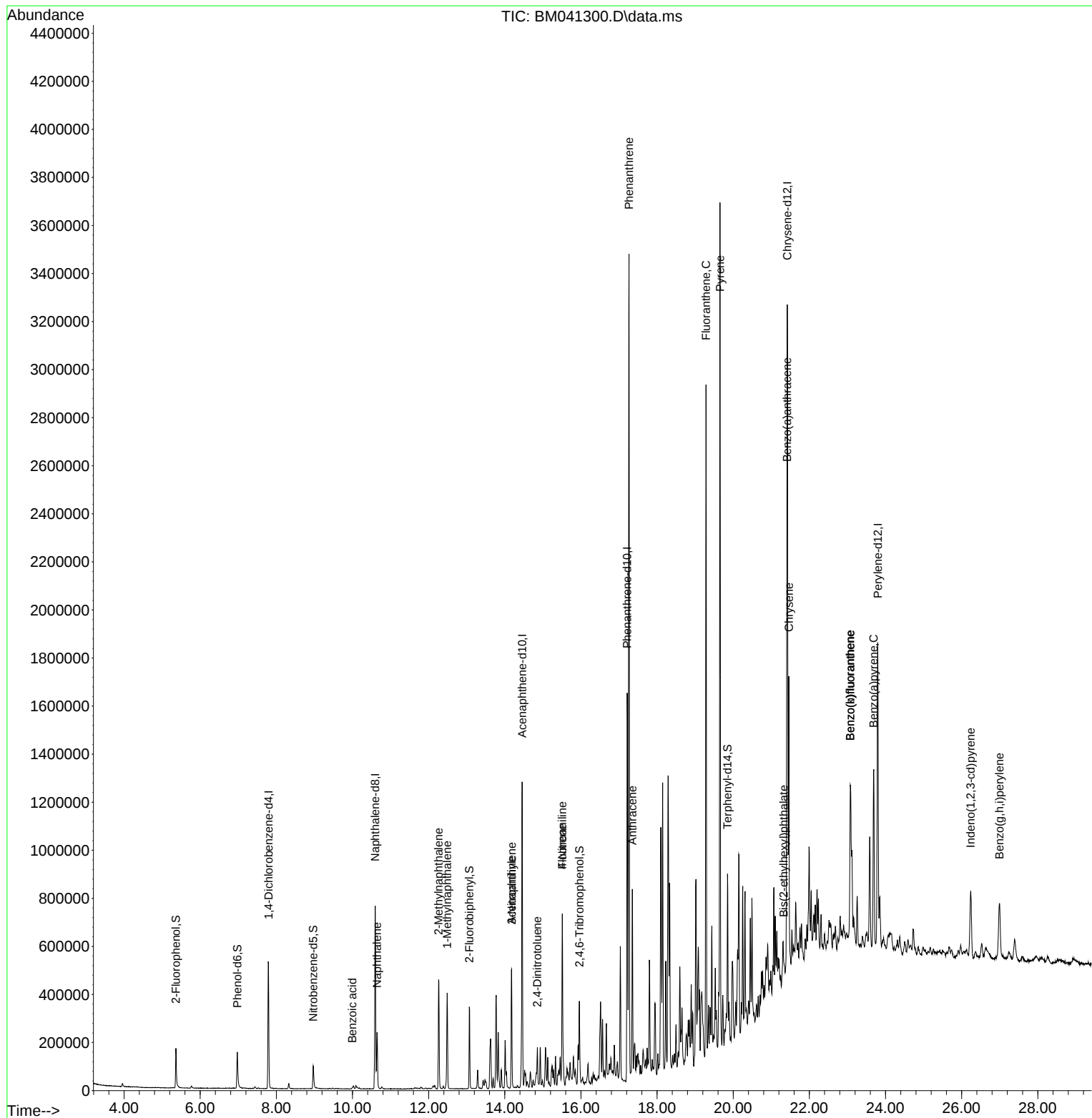
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	142849	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	616753	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	407758	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	957410	20.000	ng	0.00
76) Chrysene-d12	21.421	240	956473	20.000	ng	-0.01
86) Perylene-d12	23.797	264	980253	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	79770	8.346	ng	0.00
7) Phenol-d6	6.975	99	103636	8.365	ng	0.00
23) Nitrobenzene-d5	8.969	82	68671	5.178	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	47782	8.285	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	170090	5.269	ng	-0.01
79) Terphenyl-d14	19.851	244	298505	5.643	ng	-0.01
Target Compounds					Qvalue	
31) Naphthalene	10.645	128	185435	5.541	ng	100
32) Benzoic acid	9.992	122	109	7.169	ng	# 1
37) 2-Methylnaphthalene	12.263	142	209865	9.301	ng	98
38) 1-Methylnaphthalene	12.486	142	173657	8.223	ng	98
49) Acenaphthylene	14.180	152	280098	7.031	ng	97
53) 3-Nitroaniline	14.180	138	70	2.587	ng	# 1
57) 2,4-Dinitrotoluene	14.851	165	1496	2.826	ng	# 47
58) Fluorene	15.510	166	307541	9.956	ng	100
62) 4-Nitroaniline	15.510	138	3609	4.634	ng	# 13
71) Phenanthrene	17.263	178	1960626	36.858	ng	99
72) Anthracene	17.351	178	461523	8.773	ng	99
75) Fluoranthene	19.286	202	1487229	24.886	ng	99
78) Pyrene	19.651	202	1989997	29.751	ng	100
81) Benzo(a)anthracene	21.409	228	717255	11.062	ng	93
83) Chrysene	21.462	228	623297	9.938	ng	98
84) Bis(2-ethylhexyl)phtha...	21.327	149	7005	2.710	ng	# 88
87) Indeno(1,2,3-cd)pyrene	26.233	276	285354	3.959	ng	# 93
88) Benzo(b)fluoranthene	23.074	252	834370	14.328	ng	98
89) Benzo(k)fluoranthene	23.074	252	834370	14.007	ng	98
90) Benzo(a)pyrene	23.686	252	544854	9.738	ng	96
92) Benzo(g,h,i)perylene	26.991	276	296585	5.042	ng	97

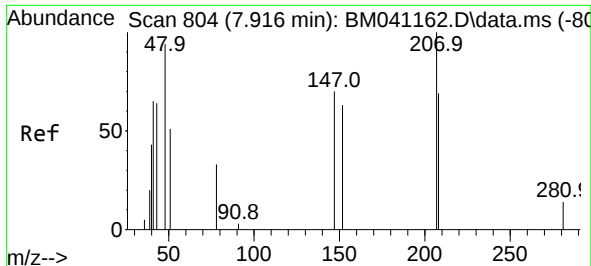
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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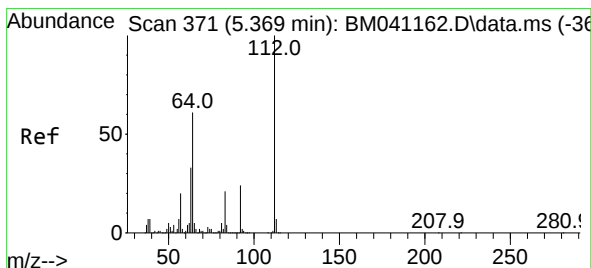
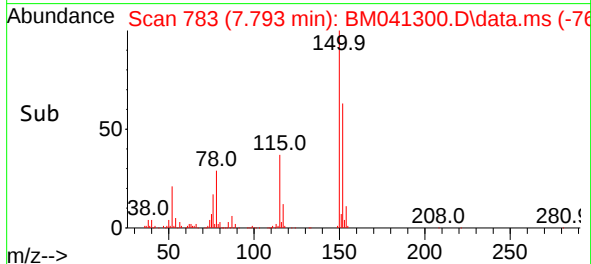
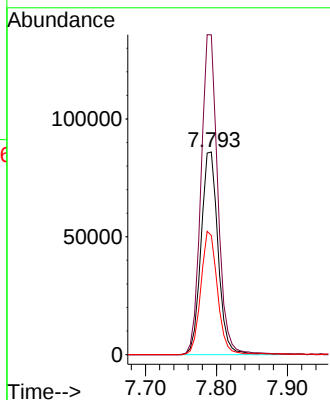
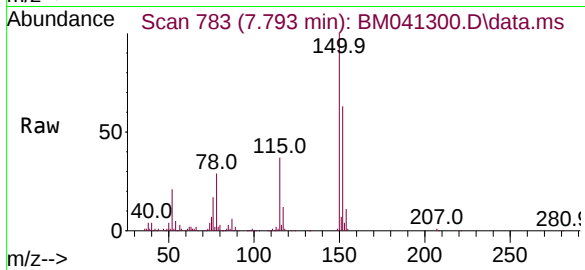




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

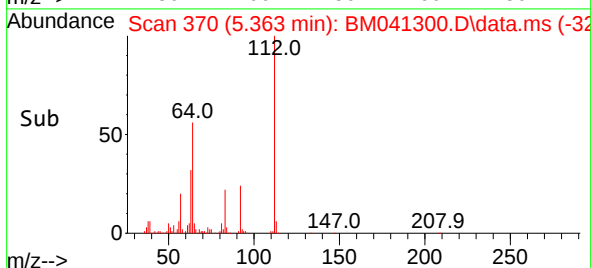
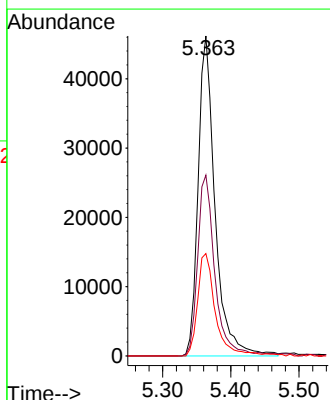
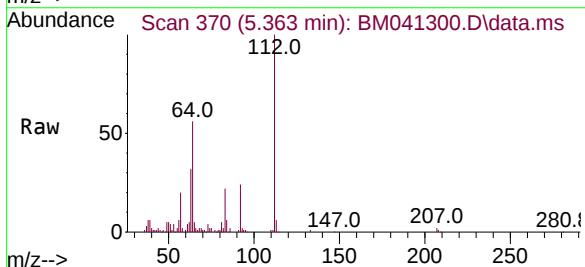
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

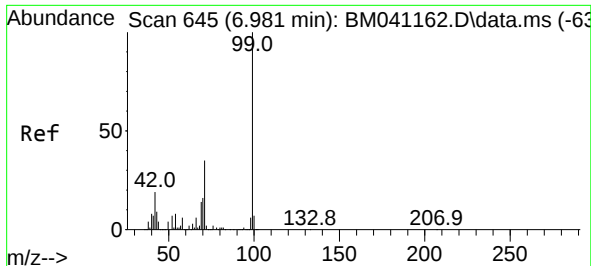
Tgt Ion:152 Resp: 142849
Ion Ratio Lower Upper
152 100
150 157.8 125.5 188.3
115 58.8 48.0 72.0



#5
2-Fluorophenol
Concen: 8.346 ng
RT: 5.363 min Scan# 370
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

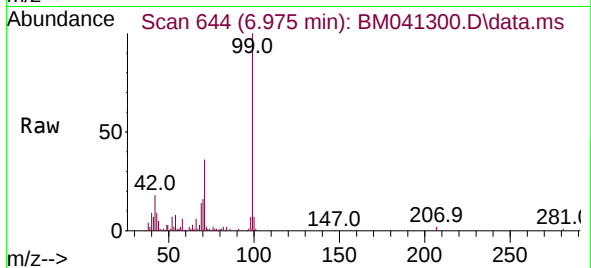
Tgt Ion:112 Resp: 79770
Ion Ratio Lower Upper
112 100
64 56.5 48.5 72.7
63 32.0 26.5 39.7



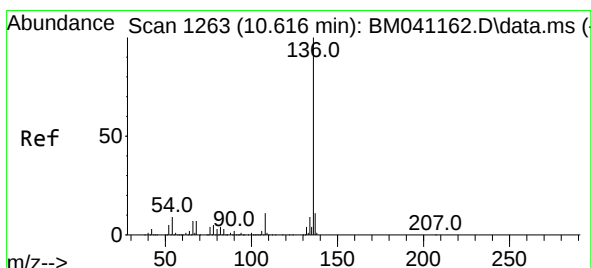
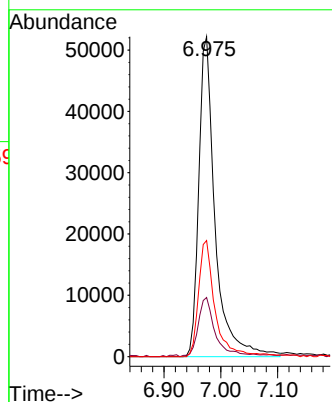
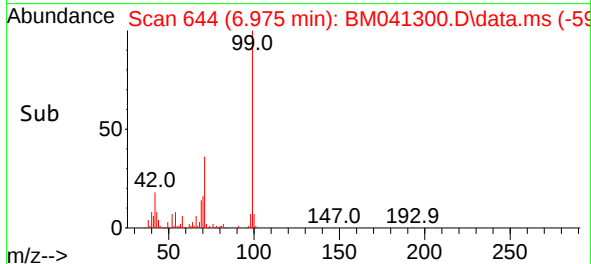


#7
Phenol-d6
Concen: 8.365 ng
RT: 6.975 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

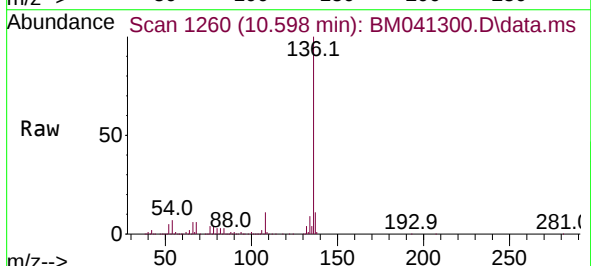
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL



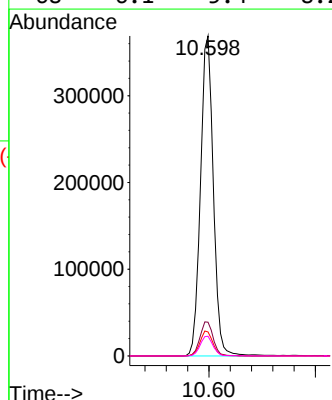
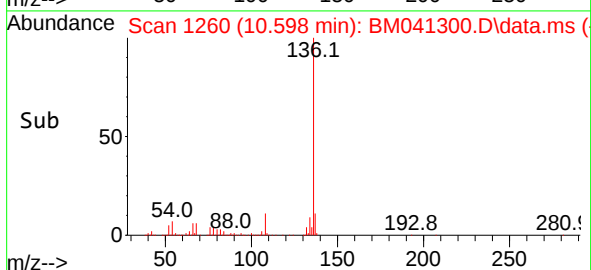
Tgt Ion: 99 Resp: 103636
Ion Ratio Lower Upper
99 100
42 18.5 15.4 23.0
71 36.3 28.2 42.4

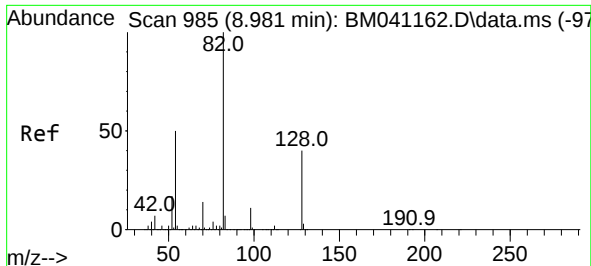


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38



Tgt Ion: 136 Resp: 616753
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.5 6.9 10.3
68 6.1 5.4 8.2

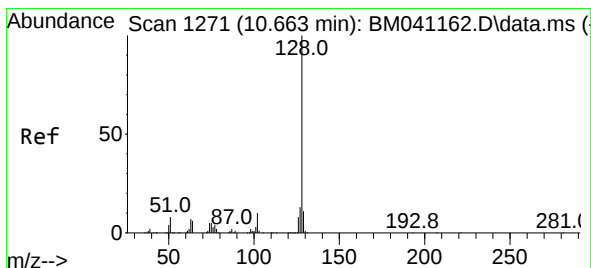
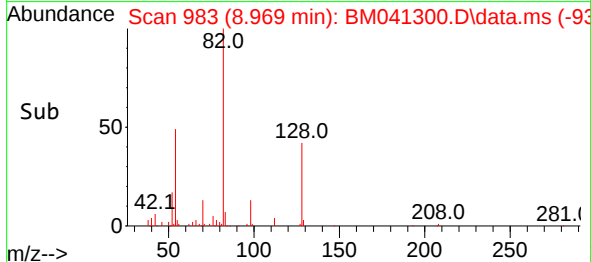
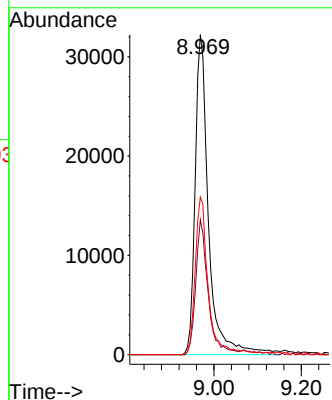
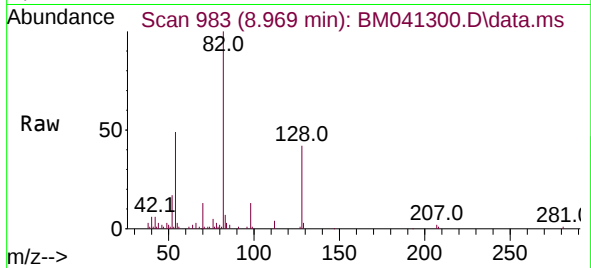




#23
Nitrobenzene-d5
Concen: 5.178 ng
RT: 8.969 min Scan# 985
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

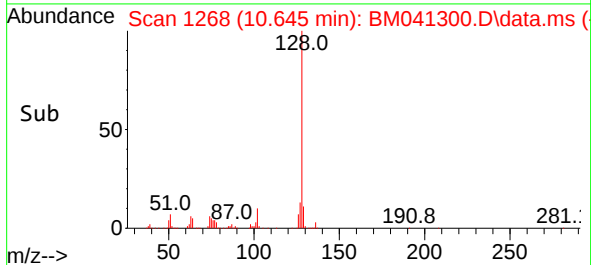
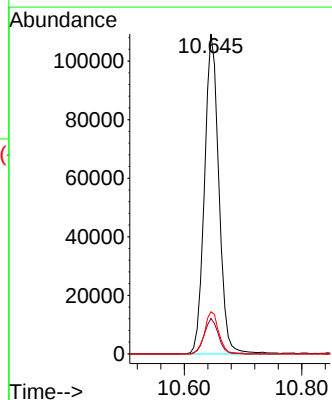
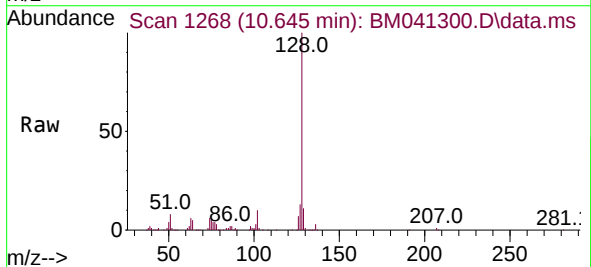
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

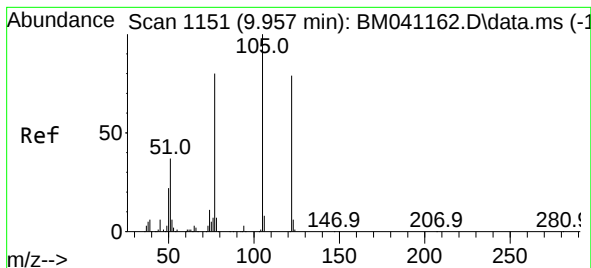
Tgt Ion: 82 Resp: 68671
Ion Ratio Lower Upper
82 100
128 42.1 31.8 47.6
54 49.3 40.1 60.1



#31
Naphthalene
Concen: 5.541 ng
RT: 10.645 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Tgt Ion: 128 Resp: 185435
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.5 15.7





#32

Benzoic acid

Concen: 7.169 ng

RT: 9.992 min Scan# 1151

Delta R.T. 0.035 min

Lab File: BM041300.D

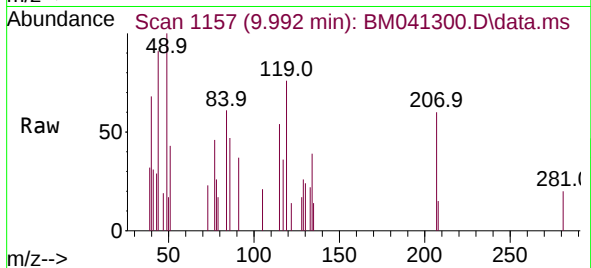
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Instrument :

BNA_M

ClientSampleId :

BUILDING-B-17-(0-5)DL



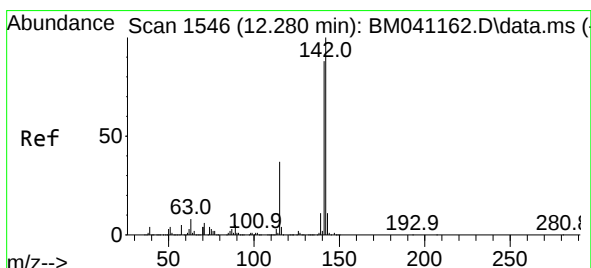
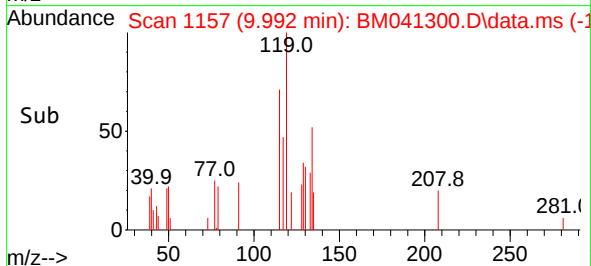
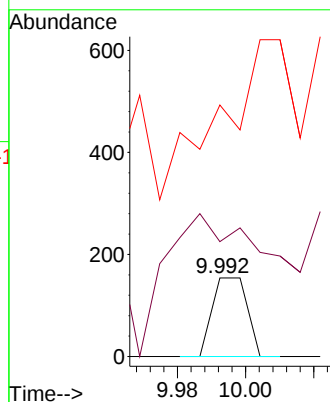
Tgt Ion:122 Resp: 109

Ion Ratio Lower Upper

122 100

105 146.1 104.0 144.0#

77 320.1 79.9 119.9#



#37

2-Methylnaphthalene

Concen: 9.301 ng

RT: 12.263 min Scan# 1543

Delta R.T. -0.012 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

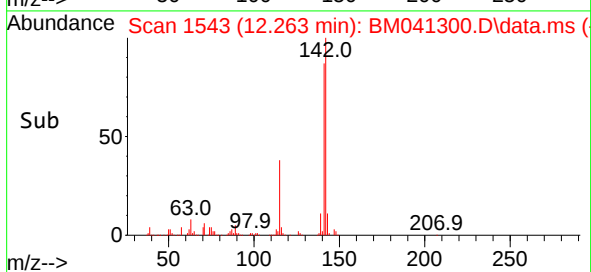
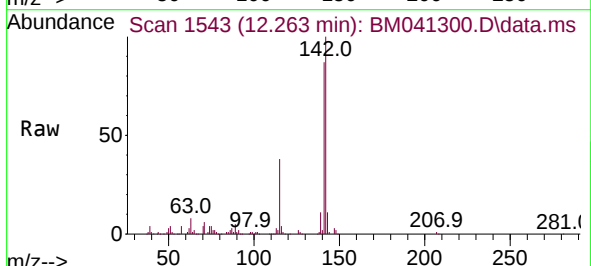
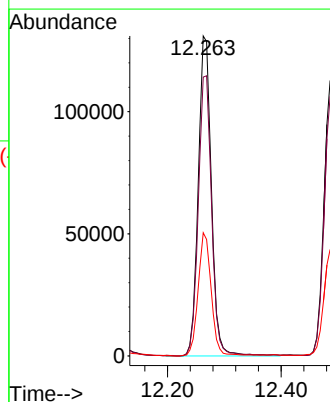
Tgt Ion:142 Resp: 209865

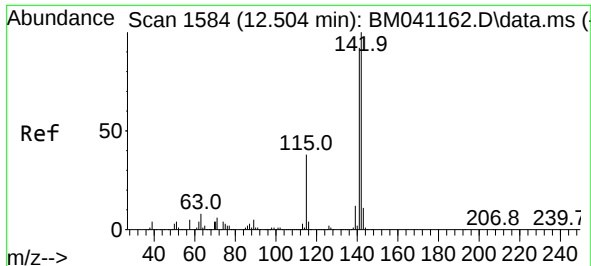
Ion Ratio Lower Upper

142 100

141 87.2 70.7 106.1

115 38.5 29.3 43.9

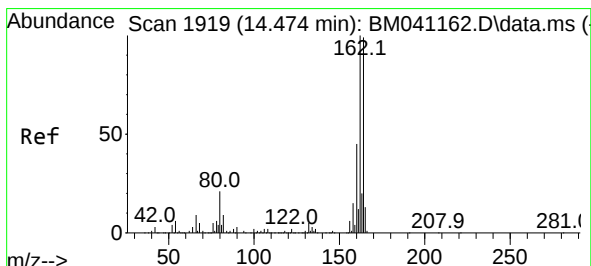
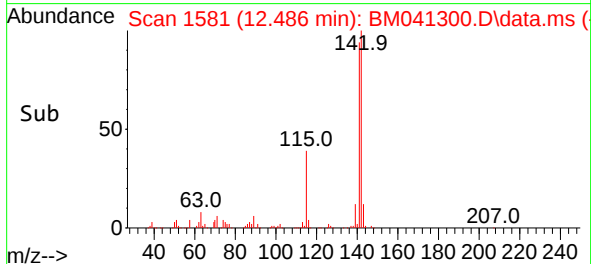
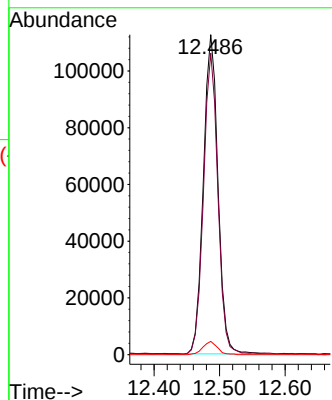
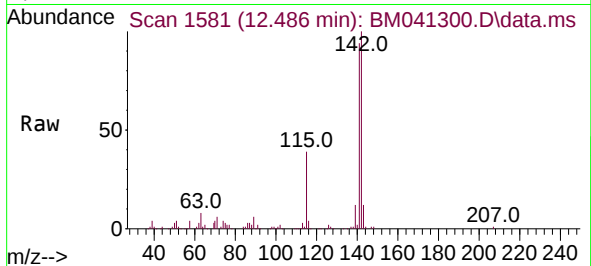




#38
1-Methylnaphthalene
Concen: 8.223 ng
RT: 12.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

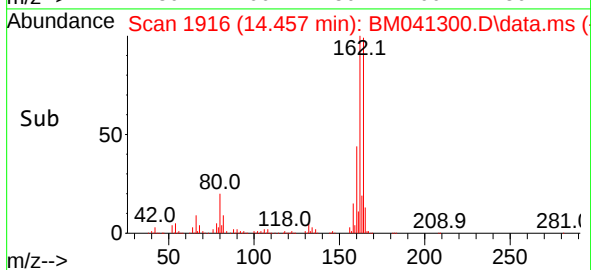
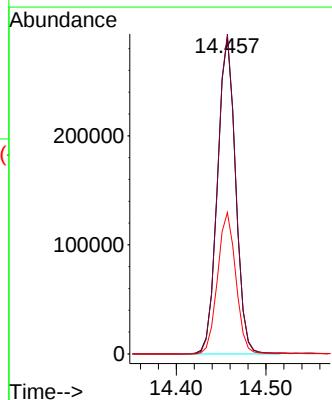
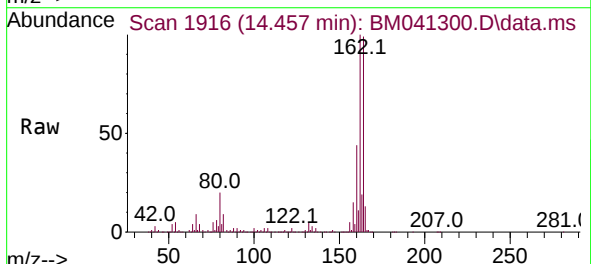
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

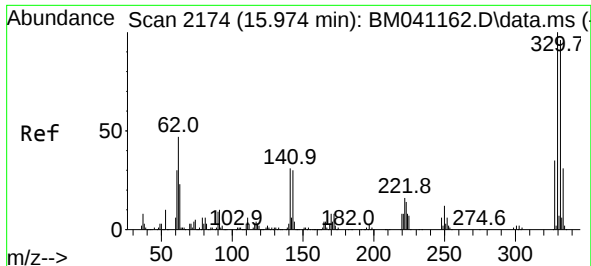
Tgt Ion:142 Resp: 173657
Ion Ratio Lower Upper
142 100
141 94.2 73.4 110.2
116 4.1 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Tgt Ion:164 Resp: 407758
Ion Ratio Lower Upper
164 100
162 100.9 80.4 120.6
160 44.6 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 8.285 ng

RT: 15.963 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-17-(0-5)DL

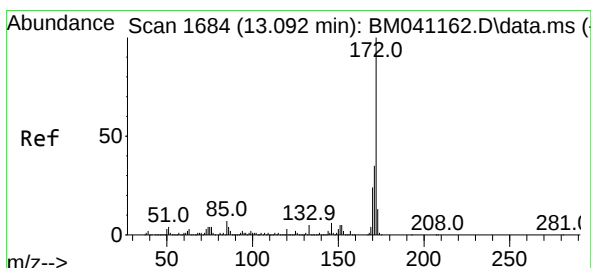
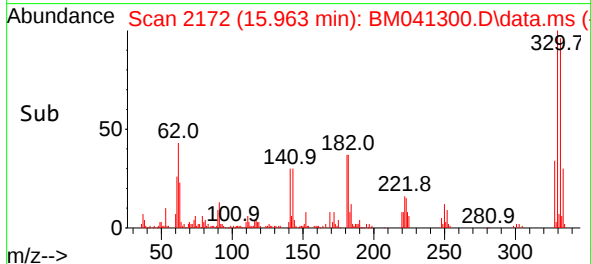
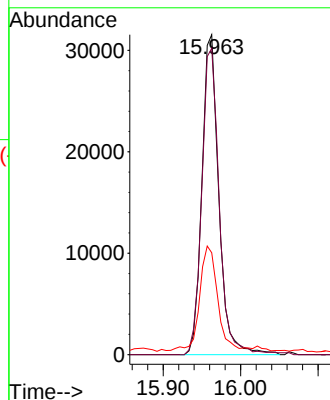
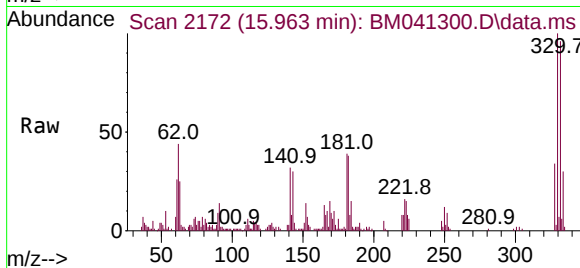
Tgt Ion:330 Resp: 47782

Ion Ratio Lower Upper

330 100

332 99.1 77.7 116.5

141 34.2 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 5.269 ng

RT: 13.069 min Scan# 1680

Delta R.T. -0.012 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

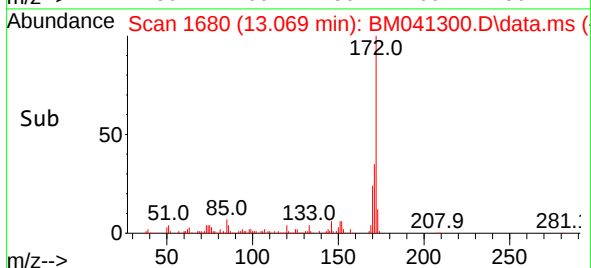
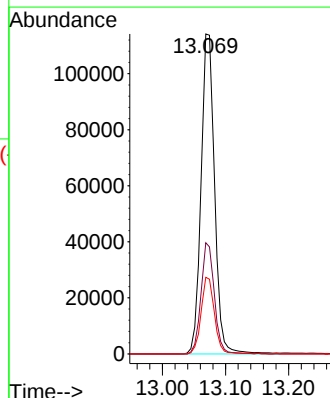
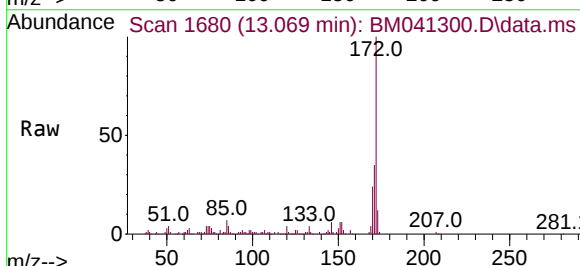
Tgt Ion:172 Resp: 170090

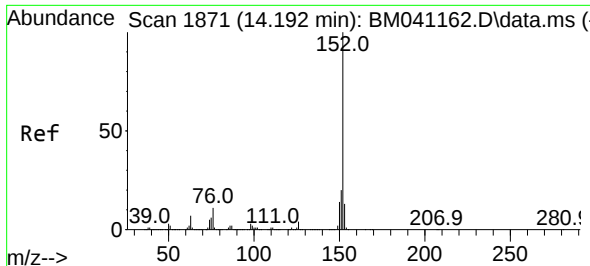
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.9 18.9 28.3

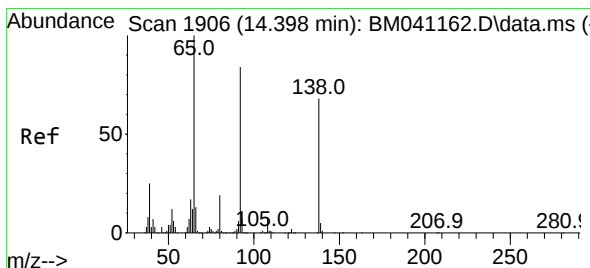
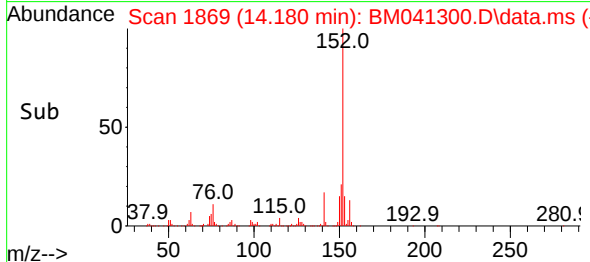
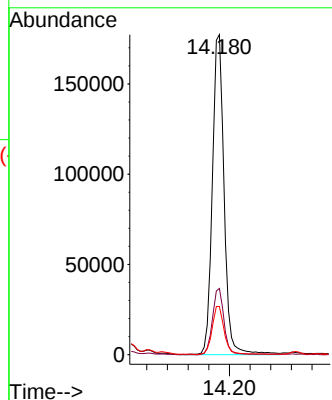
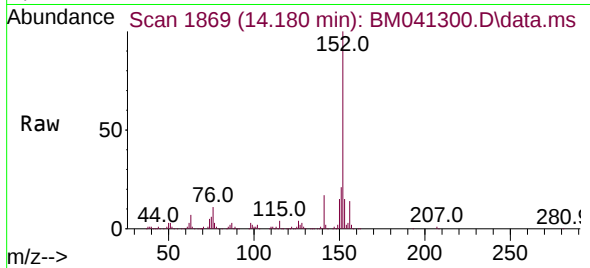




#49
Acenaphthylene
Concen: 7.031 ng
RT: 14.180 min Scan# 1869
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

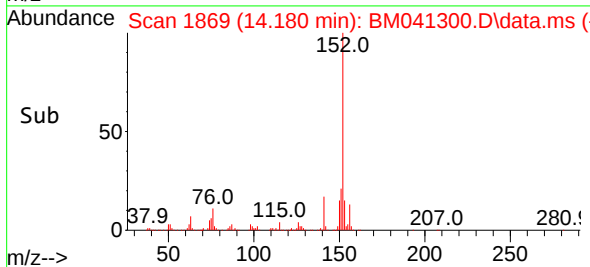
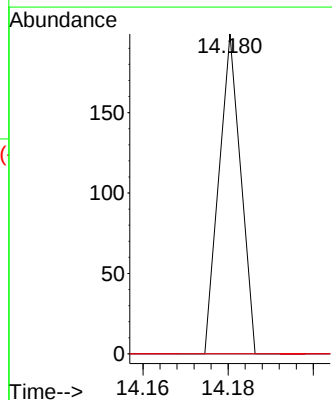
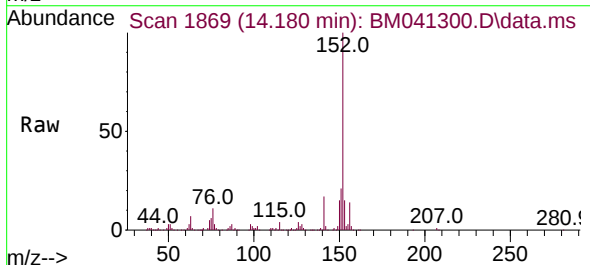
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

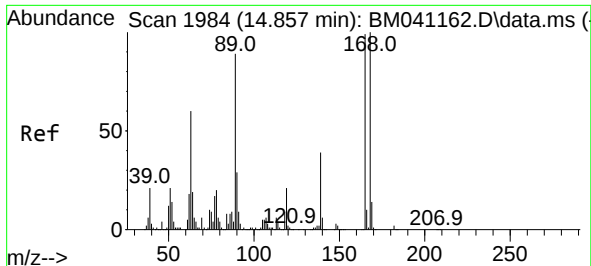
Tgt Ion:152 Resp: 280098
Ion Ratio Lower Upper
152 100
151 20.7 16.1 24.1
153 15.0 10.5 15.7



#53
3-Nitroaniline
Concen: 2.587 ng
RT: 14.180 min Scan# 1869
Delta R.T. -0.212 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Tgt Ion:138 Resp: 70
Ion Ratio Lower Upper
138 100
108 0.0 7.6 11.4#
92 0.0 98.9 148.3#





#57

2,4-Dinitrotoluene

Concen: 2.826 ng

RT: 14.851 min Scan# 1984

Delta R.T. -0.006 min

Lab File: BM041300.D

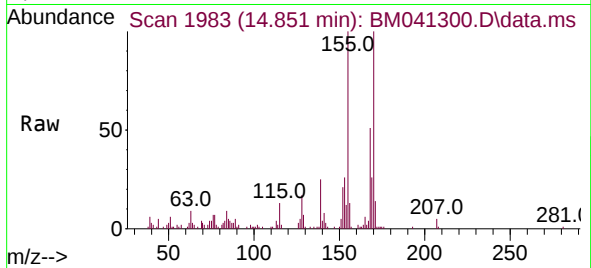
Acq: 04 Aug 2023 18:38

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-17-(0-5)DL



Tgt Ion:165 Resp: 1496

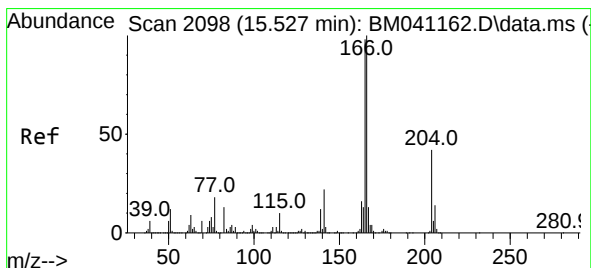
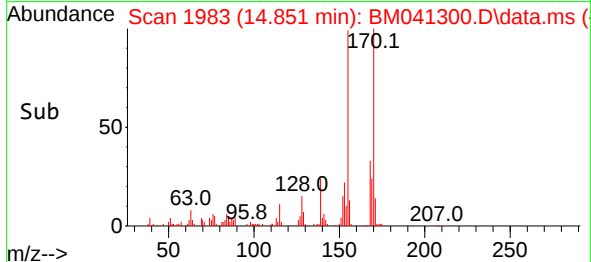
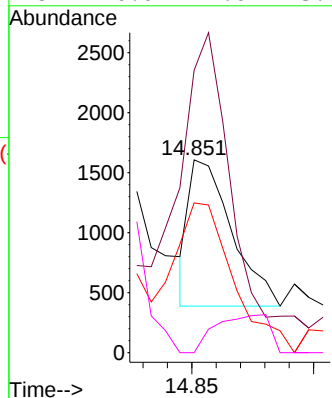
Ion Ratio Lower Upper

165 100

63 146.5 48.3 72.5#

89 77.6 71.8 107.8

182 0.0 2.0 3.0#



#58

Fluorene

Concen: 9.956 ng

RT: 15.510 min Scan# 2095

Delta R.T. -0.006 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

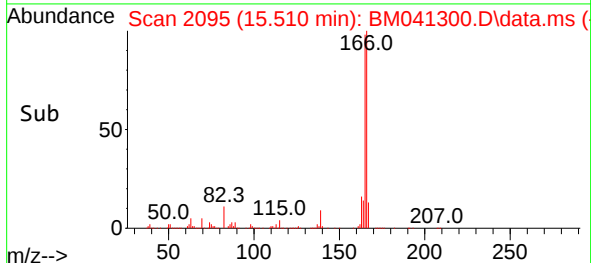
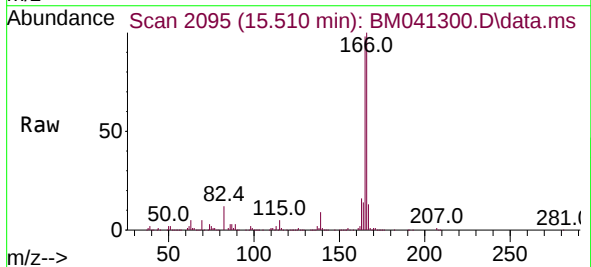
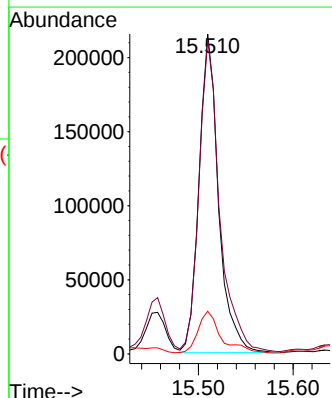
Tgt Ion:166 Resp: 307541

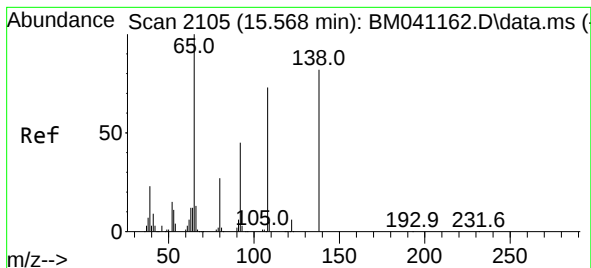
Ion Ratio Lower Upper

166 100

165 98.2 78.2 117.4

167 13.3 10.6 16.0

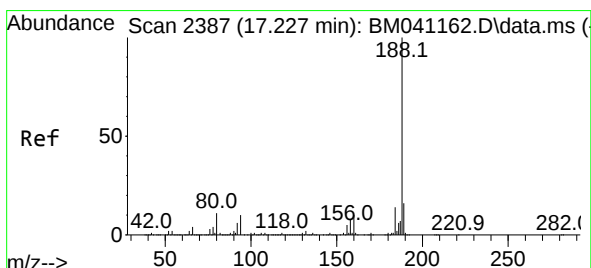
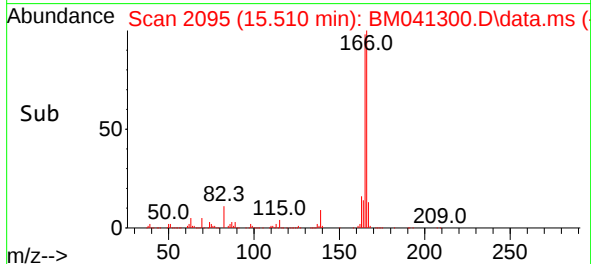
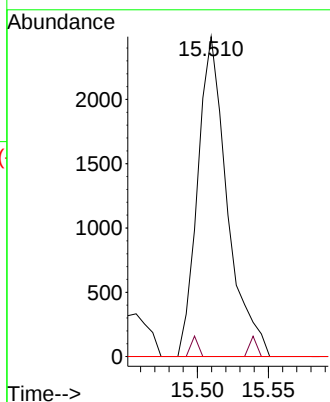
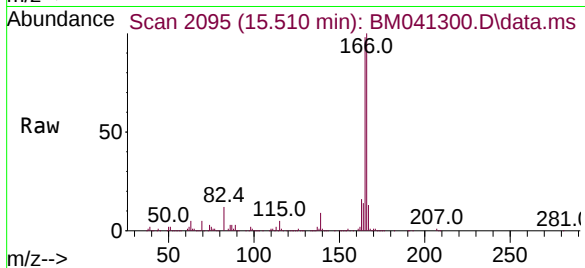




#62
4-Nitroaniline
Concen: 4.634 ng
RT: 15.510 min Scan# 20
Delta R.T. -0.053 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

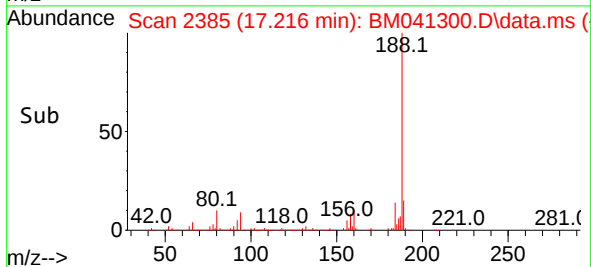
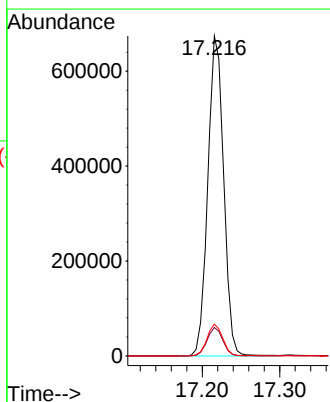
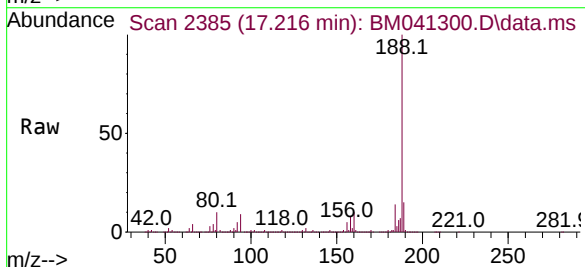
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

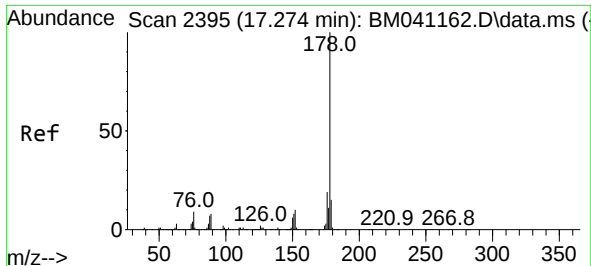
Tgt Ion:138 Resp: 3609
Ion Ratio Lower Upper
138 100
92 0.0 35.1 75.1#
108 0.0 67.8 107.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Tgt Ion:188 Resp: 957410
Ion Ratio Lower Upper
188 100
94 8.9 8.2 12.2
80 9.9 8.6 13.0

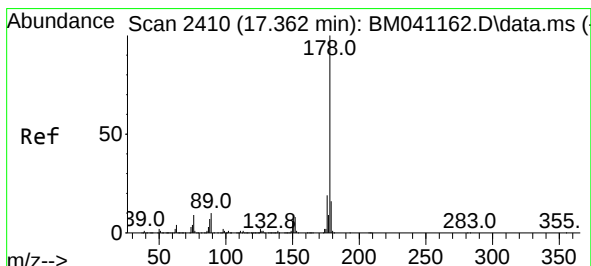
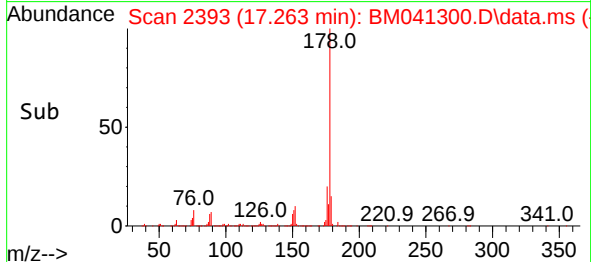
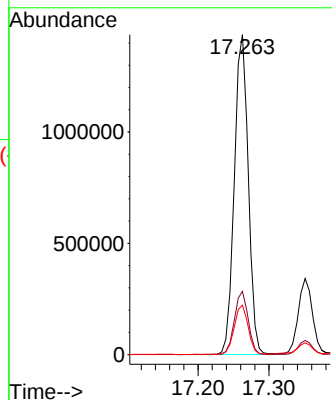
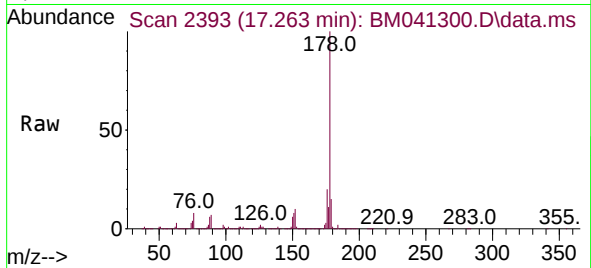




#71
Phenanthrene
Concen: 36.858 ng
RT: 17.263 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

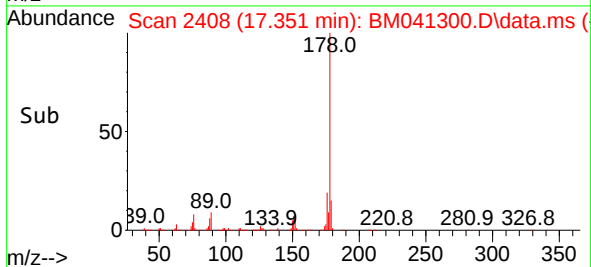
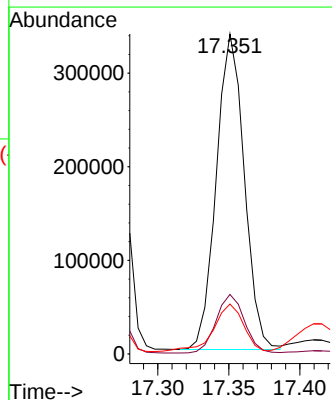
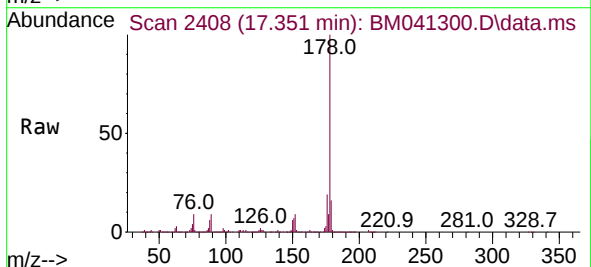
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

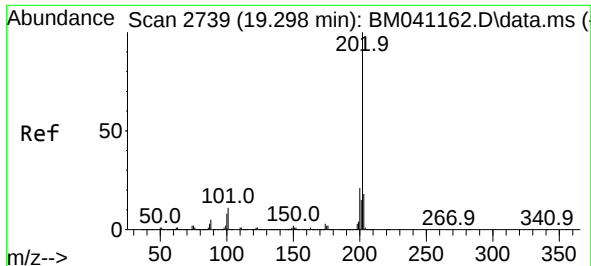
Tgt Ion:178 Resp: 1960626
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.5 12.1 18.1



#72
Anthracene
Concen: 8.773 ng
RT: 17.351 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Tgt Ion:178 Resp: 461523
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 15.6 12.4 18.6

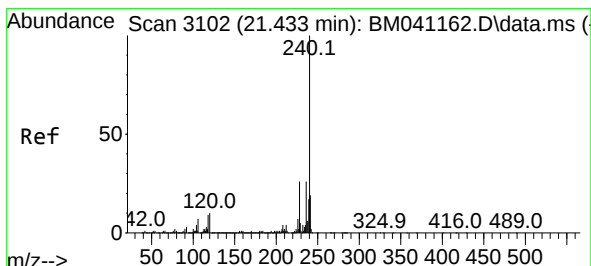
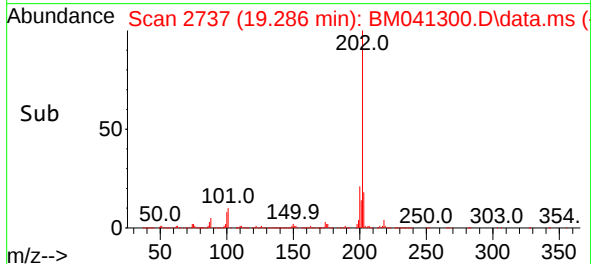
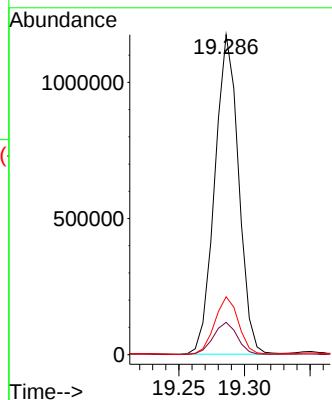
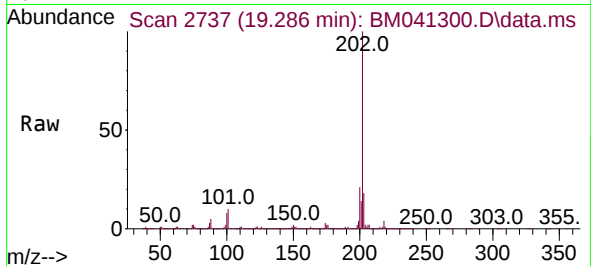




#75
Fluoranthene
Concen: 24.886 ng
RT: 19.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

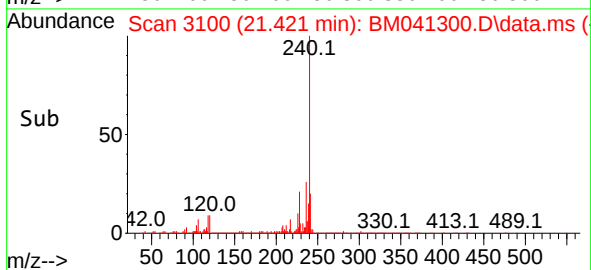
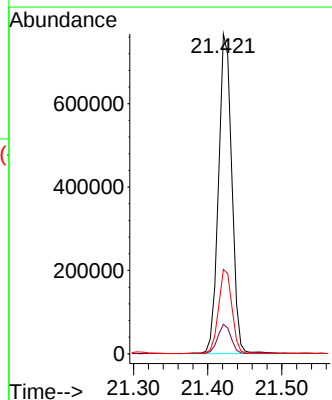
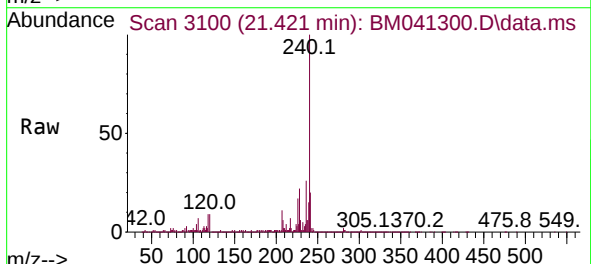
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

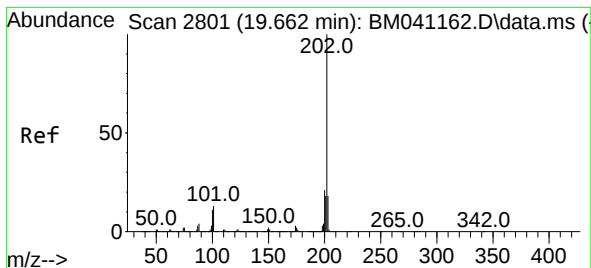
Tgt Ion:202 Resp: 1487229
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.8
203 18.1 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3100
Delta R.T. -0.012 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Tgt Ion:240 Resp: 956473
Ion Ratio Lower Upper
240 100
120 9.2 8.3 12.5
236 26.4 20.6 30.8





#78

Pyrene

Concen: 29.751 ng

RT: 19.651 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-17-(0-5)DL

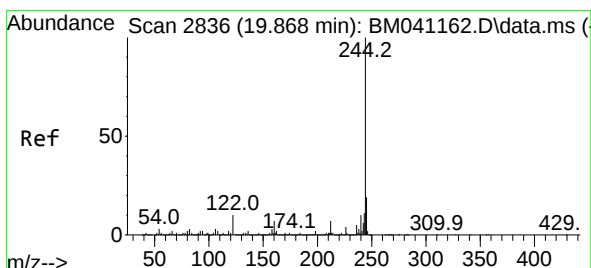
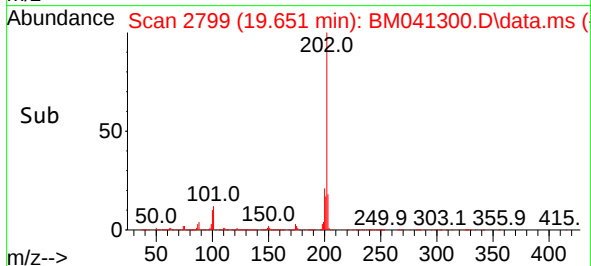
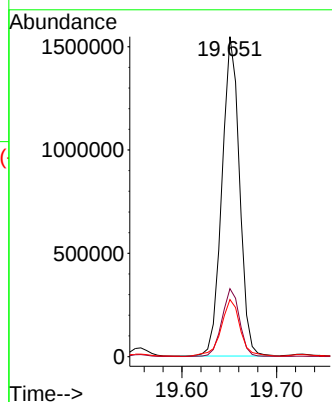
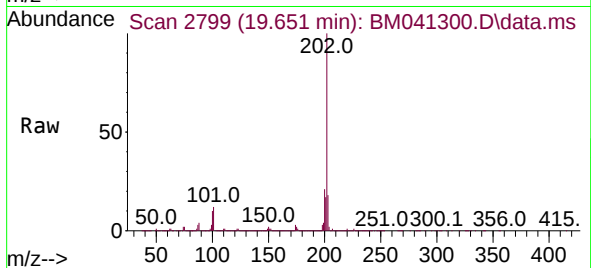
Tgt Ion:202 Resp: 1989997

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.8 14.1 21.1



#79

Terphenyl-d14

Concen: 5.643 ng

RT: 19.851 min Scan# 2833

Delta R.T. -0.012 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

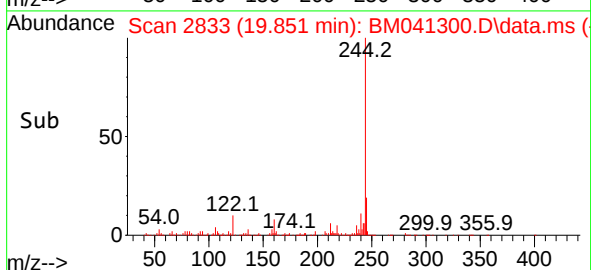
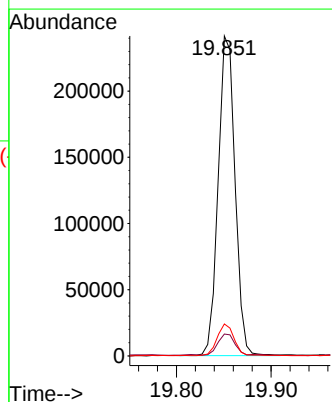
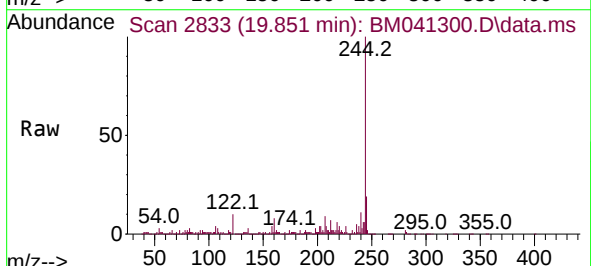
Tgt Ion:244 Resp: 298505

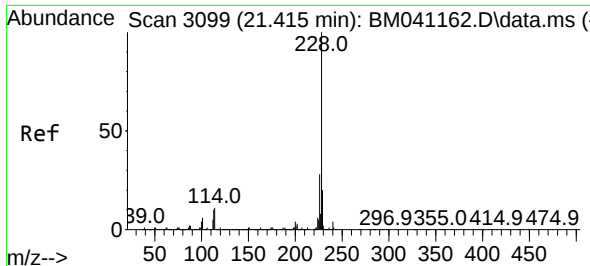
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.0 7.8 11.6

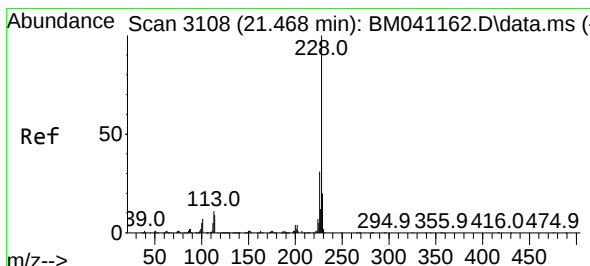
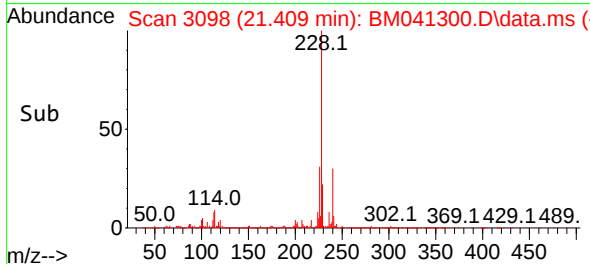
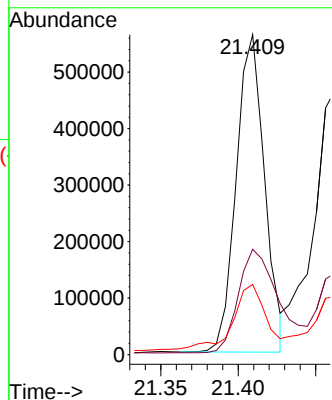
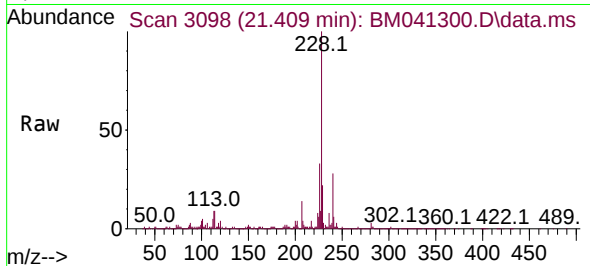




#81
Benzo(a)anthracene
Concen: 11.062 ng
RT: 21.409 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

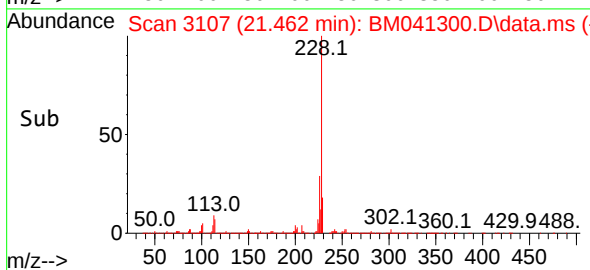
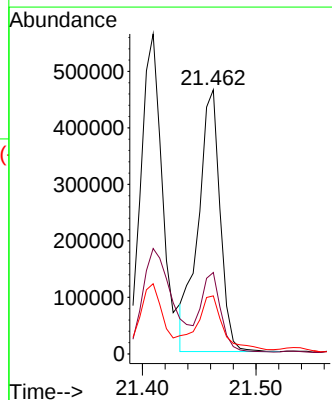
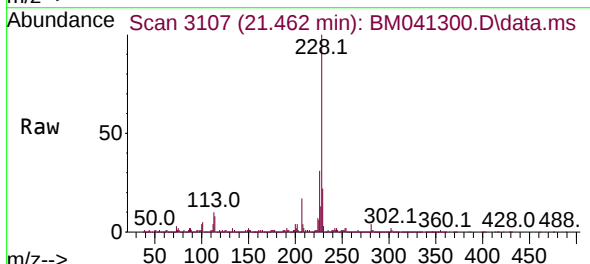
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

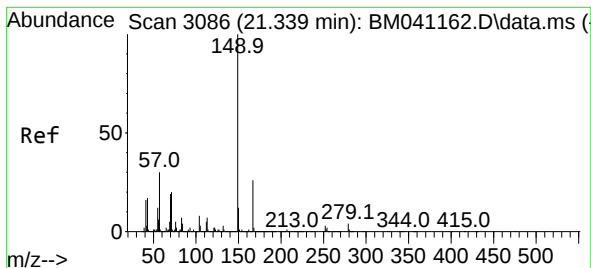
Tgt Ion:228 Resp: 717255
Ion Ratio Lower Upper
228 100
226 32.9 22.4 33.6
229 21.9 15.8 23.8



#83
Chrysene
Concen: 9.938 ng
RT: 21.462 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Tgt Ion:228 Resp: 623297
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 22.0 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.710 ng

RT: 21.327 min Scan# 3086

Delta R.T. -0.006 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-17-(0-5)DL

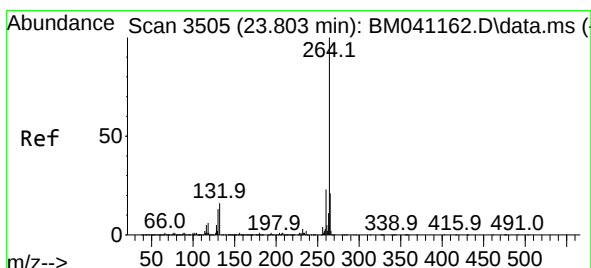
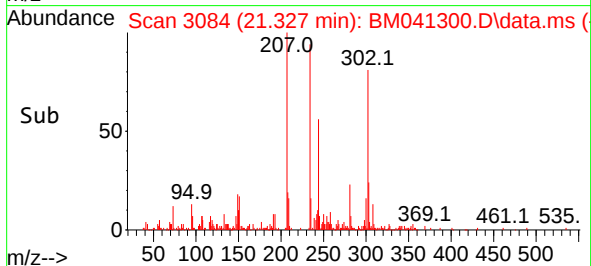
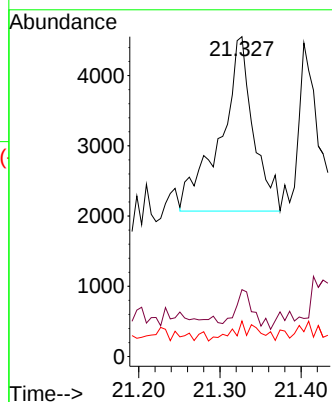
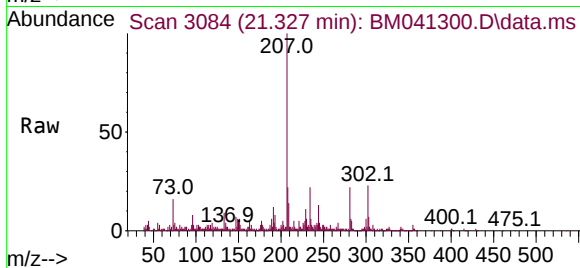
Tgt Ion:149 Resp: 7005

Ion Ratio Lower Upper

149 100

167 20.9 21.0 31.6#

279 11.1 3.1 4.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.797 min Scan# 3504

Delta R.T. -0.006 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

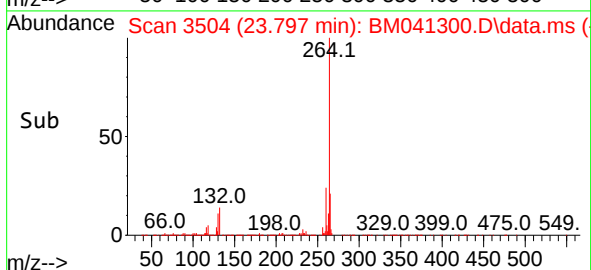
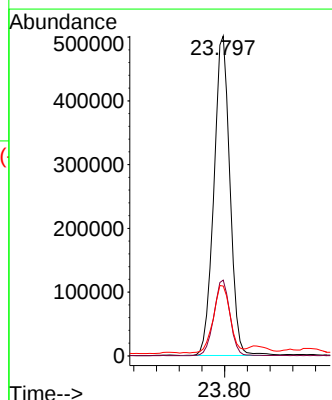
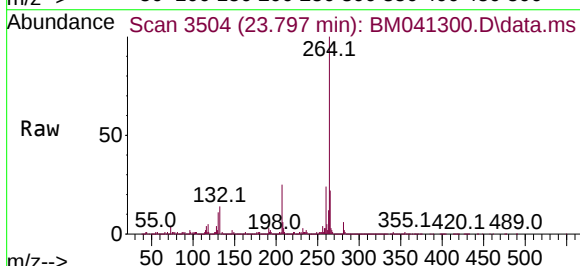
Tgt Ion:264 Resp: 980253

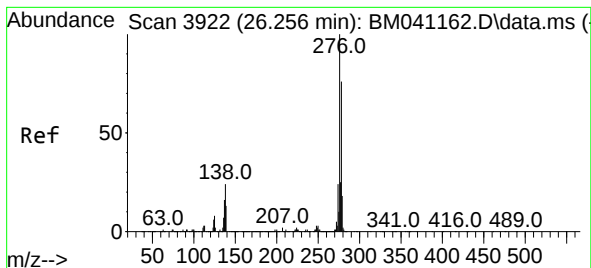
Ion Ratio Lower Upper

264 100

260 23.7 18.5 27.7

265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.959 ng

RT: 26.233 min Scan# 3918

Delta R.T. -0.029 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-17-(0-5)DL

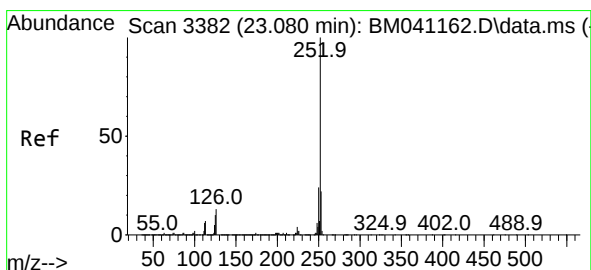
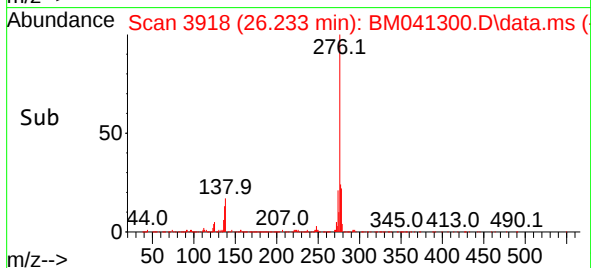
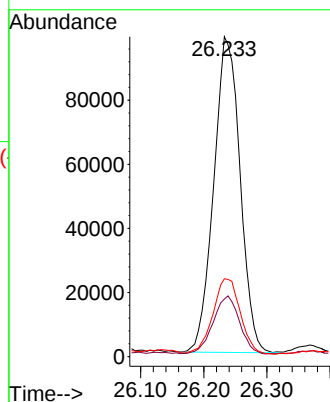
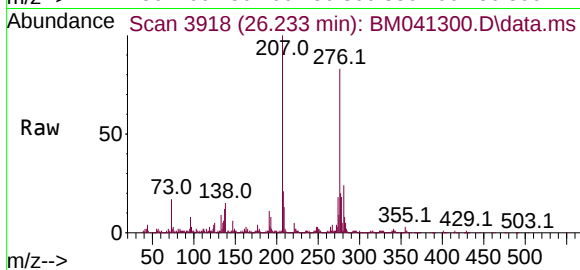
Tgt Ion:276 Resp: 285354

Ion Ratio Lower Upper

276 100

138 18.3 20.0 30.0#

277 24.9 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 14.328 ng

RT: 23.074 min Scan# 3381

Delta R.T. -0.012 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

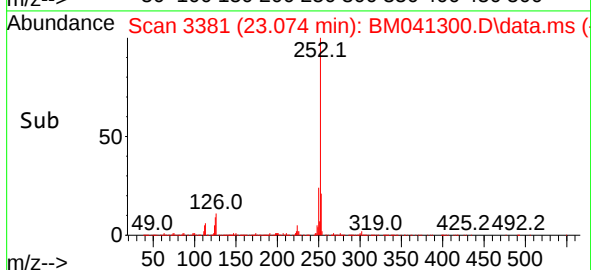
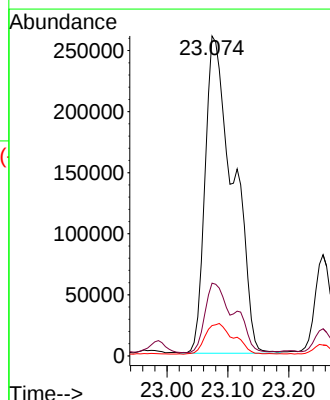
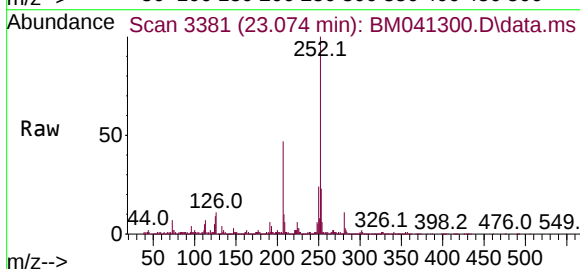
Tgt Ion:252 Resp: 834370

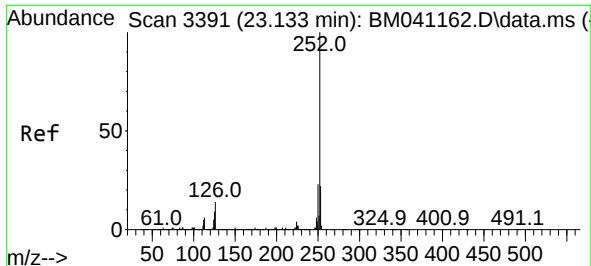
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 9.5 8.2 12.4

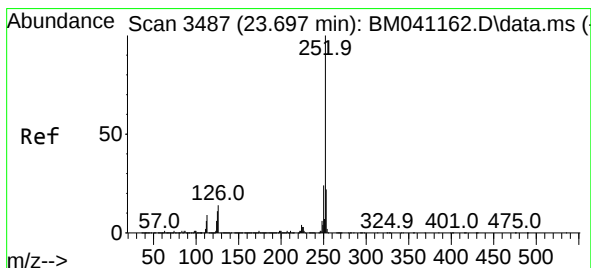
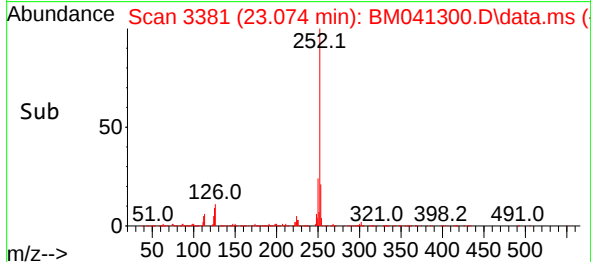
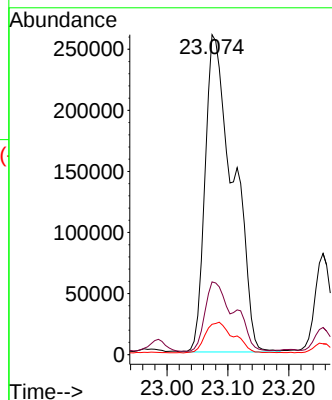
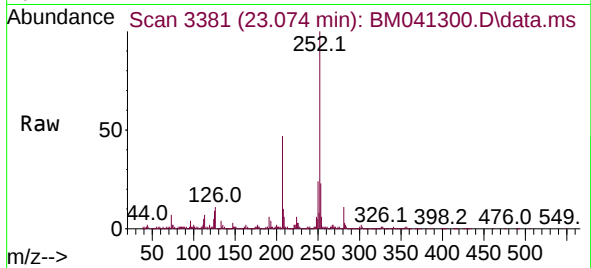




#89
Benzo(k)fluoranthene
Concen: 14.007 ng
RT: 23.074 min Scan# 3391
Delta R.T. -0.059 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

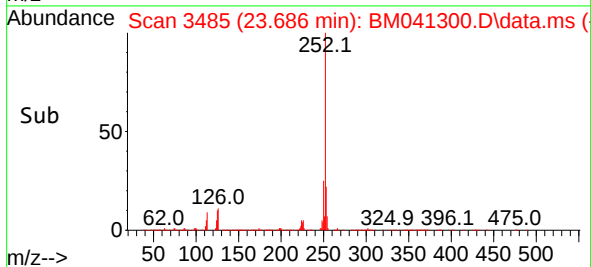
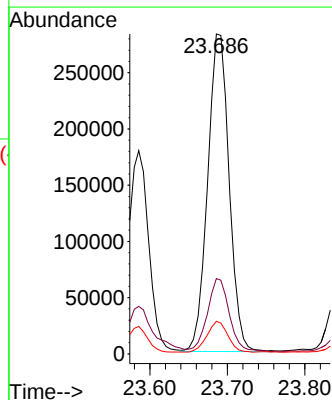
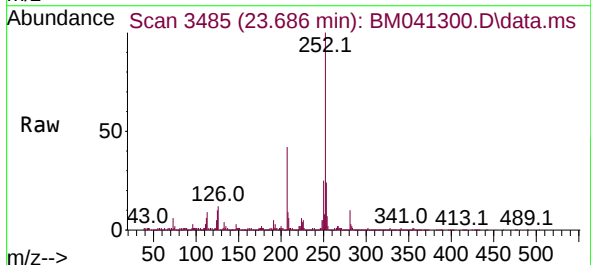
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

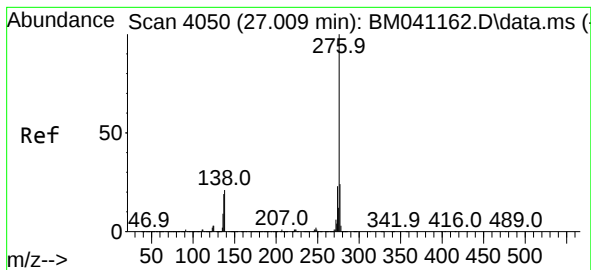
Tgt Ion:252 Resp: 834370
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.5 7.6 11.4



#90
Benzo(a)pyrene
Concen: 9.738 ng
RT: 23.686 min Scan# 3485
Delta R.T. -0.012 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Tgt Ion:252 Resp: 544854
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 10.2 9.0 13.4





#92

Benzo(g,h,i)perylene

Concen: 5.042 ng

RT: 26.991 min Scan# 40

Delta R.T. -0.024 min

Lab File: BM041300.D

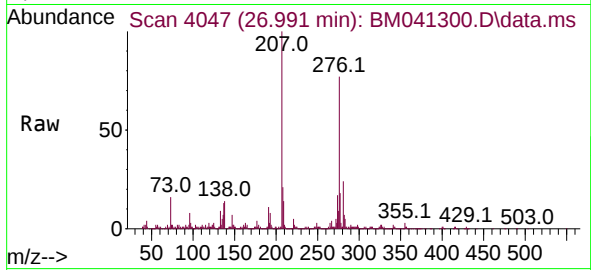
Acq: 04 Aug 2023 18:38

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-17-(0-5)DL



Tgt Ion:276 Resp: 296585

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 18.4 17.1 25.7

