

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080423\
 Data File : BM041298.D
 Acq On : 04 Aug 2023 17:24
 Operator : MA/JU
 Sample : 03775-01DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-A-10-(0-5)DL

Quant Time: Aug 05 01:28:08 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)

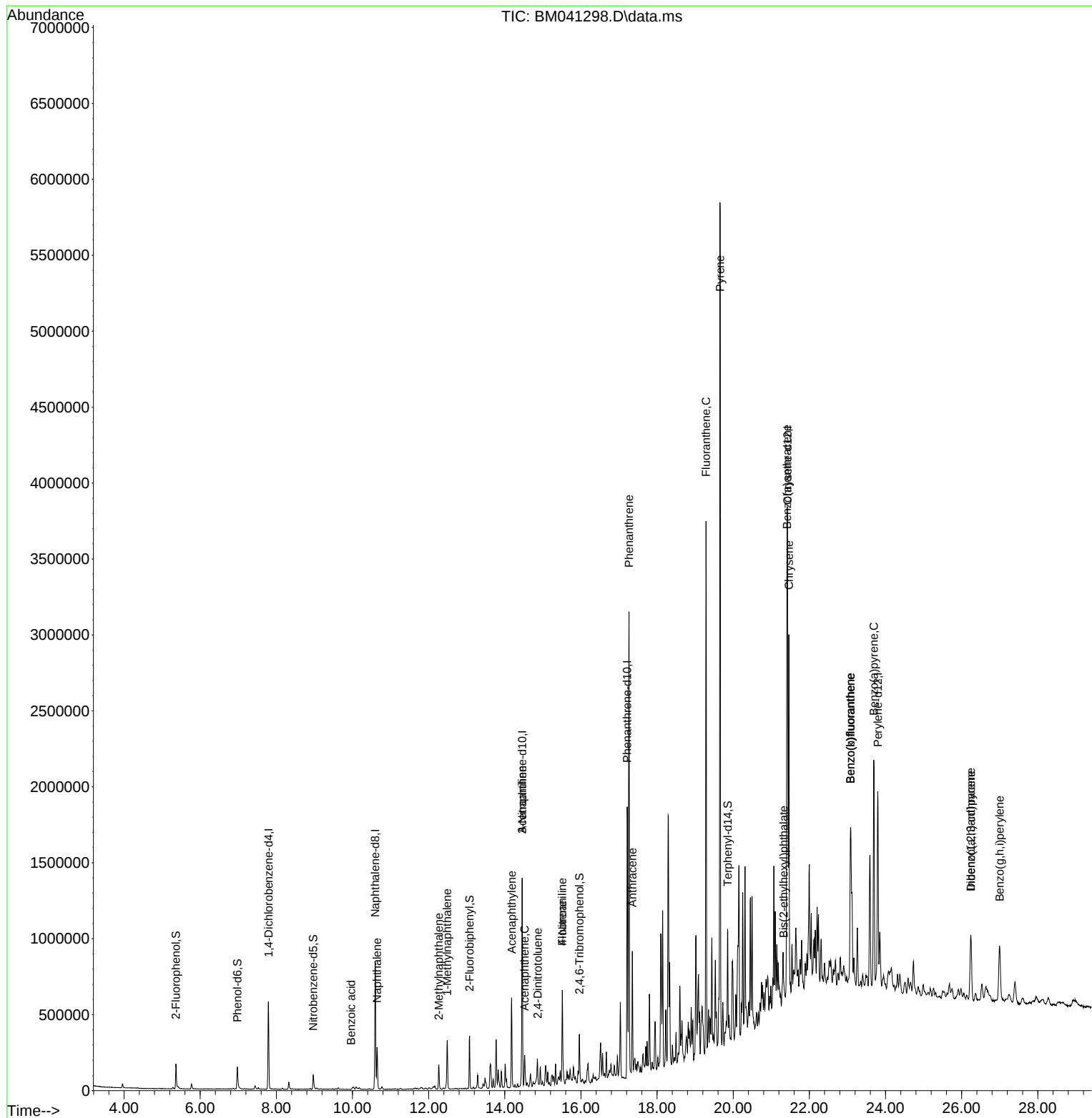
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	152978	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	670421	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	445553	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1065005	20.000	ng	0.00
76) Chrysene-d12	21.427	240	993043	20.000	ng	0.00
86) Perylene-d12	23.797	264	976330	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	76890	7.512	ng	0.00
7) Phenol-d6	6.975	99	100123	7.546	ng	0.00
23) Nitrobenzene-d5	8.969	82	65840	4.567	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	45029	7.145	ng	0.00
45) 2-Fluorobiphenyl	13.074	172	171836	4.872	ng	0.00
79) Terphenyl-d14	19.856	244	314525	5.727	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.645	128	215010	5.910	ng	99
32) Benzoic acid	9.963	122	58	7.162	ng	# 55
37) 2-Methylnaphthalene	12.269	142	70081	2.857	ng	97
38) 1-Methylnaphthalene	12.486	142	141723	6.174	ng	98
49) Acenaphthylene	14.180	152	365163	8.388	ng	99
52) Acenaphthene	14.521	154	70441	2.686	ng	96
53) 3-Nitroaniline	14.457	138	66	2.585	ng	# 1
57) 2,4-Dinitrotoluene	14.863	165	1779	2.840	ng	# 18
58) Fluorene	15.510	166	266167	7.885	ng	99
62) 4-Nitroaniline	15.510	138	3239	4.547	ng	# 17
71) Phenanthrene	17.262	178	1733042	29.288	ng	99
72) Anthracene	17.351	178	477391	8.157	ng	100
75) Fluoranthene	19.286	202	1878094	28.251	ng	99
78) Pyrene	19.656	202	3325535	47.887	ng	99
81) Benzo(a)anthracene	21.409	228	1291272	19.181	ng	95
83) Chrysene	21.462	228	1189284	18.264	ng	98
84) Bis(2-ethylhexyl)phtha...	21.327	149	7104	2.706	ng	# 87
87) Indeno(1,2,3-cd)pyrene	26.238	276	424771	5.918	ng	# 94
88) Benzo(b)fluoranthene	23.080	252	1343858	23.170	ng	98
89) Benzo(k)fluoranthene	23.080	252	1343858	22.651	ng	98
90) Benzo(a)pyrene	23.691	252	1060123	19.023	ng	97
91) Dibenzo(a,h)anthracene	26.244	278	141675	2.366	ng	# 79
92) Benzo(g,h,i)perylene	26.997	276	458950	7.834	ng	97

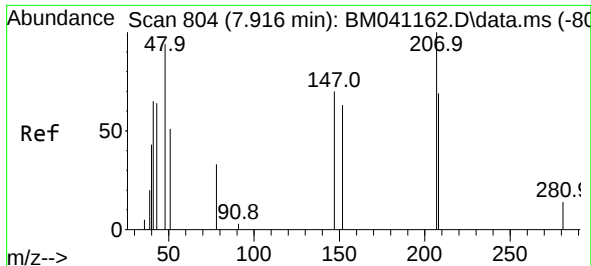
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080423\
Data File : BM041298.D
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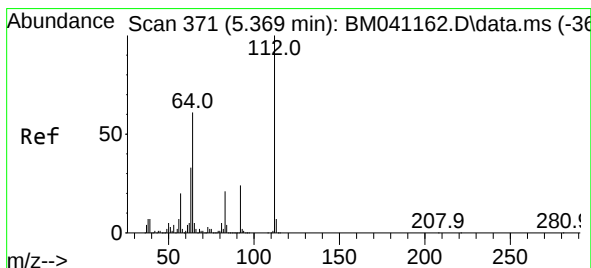
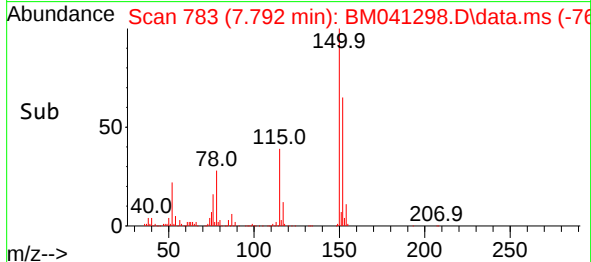
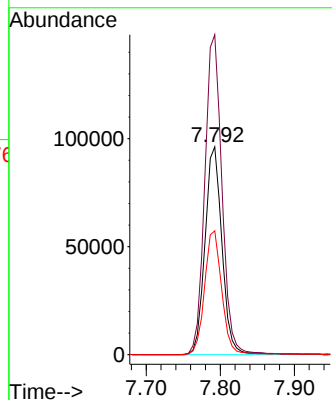
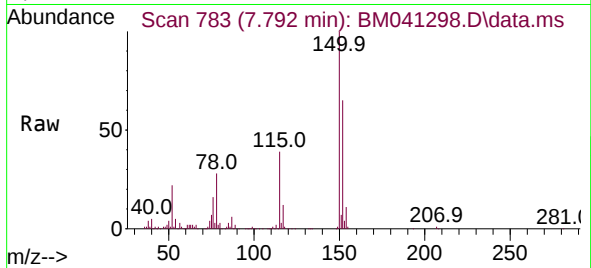




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 71
Delta R.T. -0.001 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

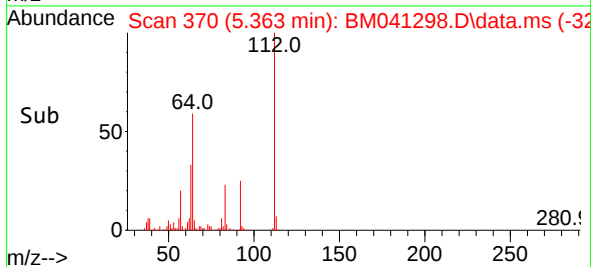
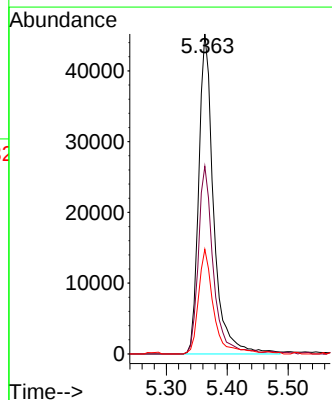
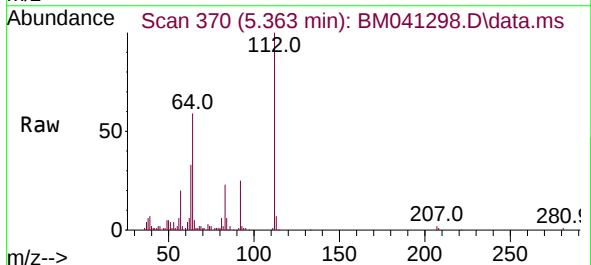
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)DL

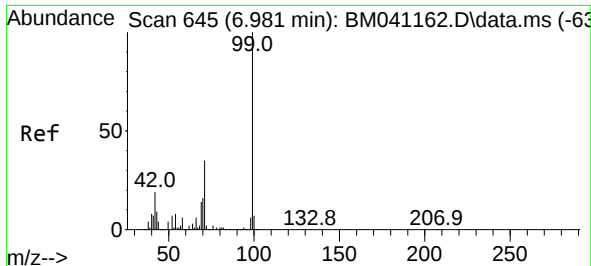
Tgt Ion:152 Resp: 152978
Ion Ratio Lower Upper
152 100
150 154.0 125.5 188.3
115 59.6 48.0 72.0



#5
2-Fluorophenol
Concen: 7.512 ng
RT: 5.363 min Scan# 370
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

Tgt Ion:112 Resp: 76890
Ion Ratio Lower Upper
112 100
64 58.6 48.5 72.7
63 32.7 26.5 39.7

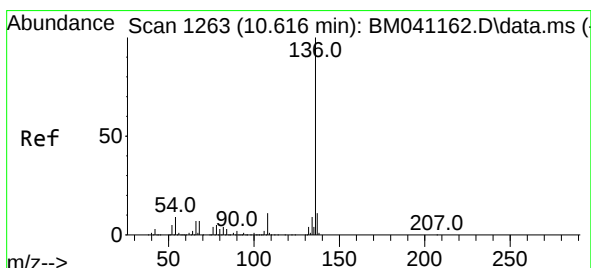
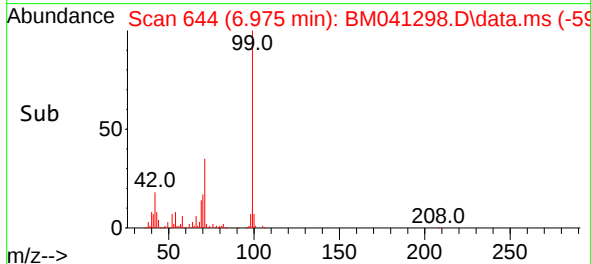
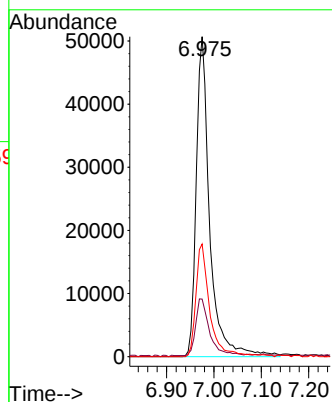
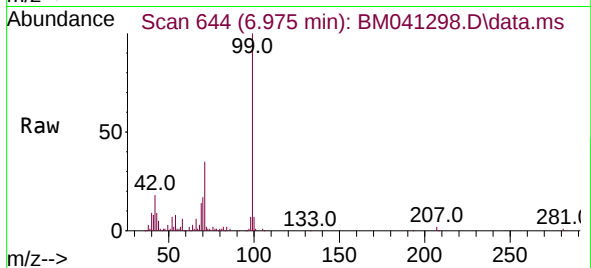




#7
Phenol-d6
Concen: 7.546 ng
RT: 6.975 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

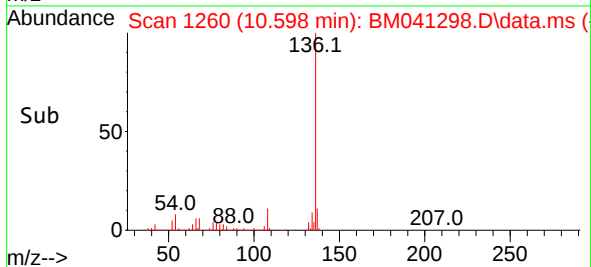
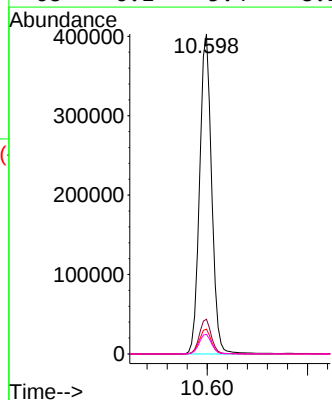
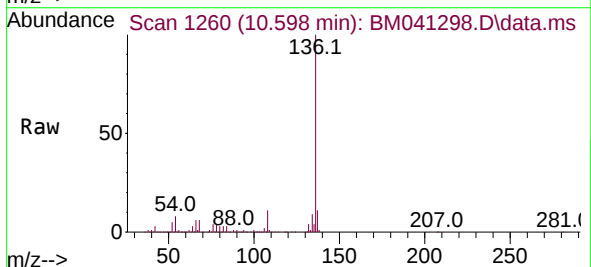
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)DL

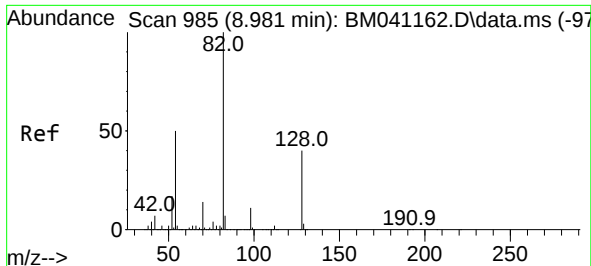
Tgt Ion: 99 Resp: 100123
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 35.2 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

Tgt Ion:136 Resp: 670421
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.7 6.9 10.3
68 6.1 5.4 8.2





#23

Nitrobenzene-d5

Concen: 4.567 ng

RT: 8.969 min Scan# 985

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL

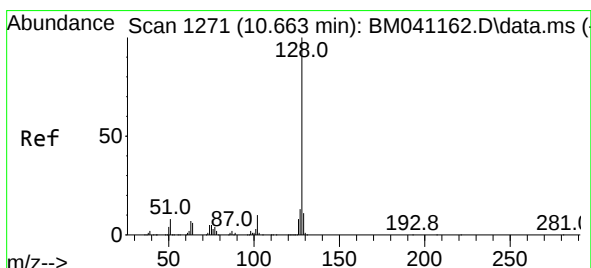
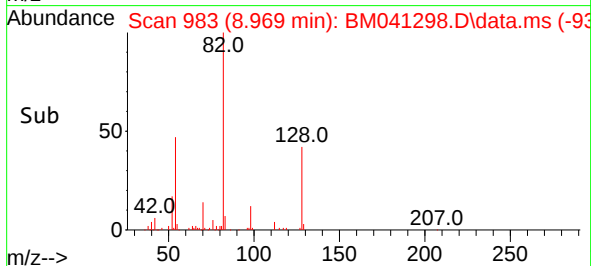
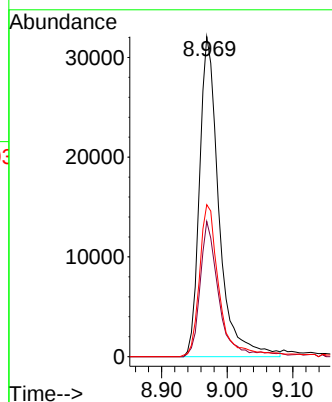
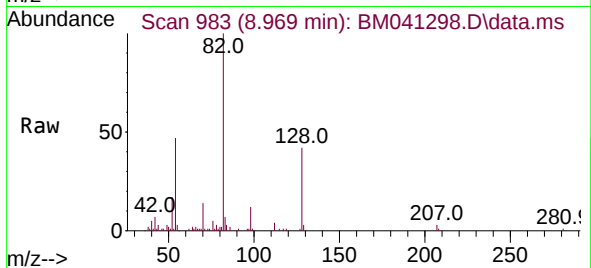
Tgt Ion: 82 Resp: 65840

Ion Ratio Lower Upper

82 100

128 42.2 31.8 47.6

54 47.5 40.1 60.1



#31

Naphthalene

Concen: 5.910 ng

RT: 10.645 min Scan# 1268

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

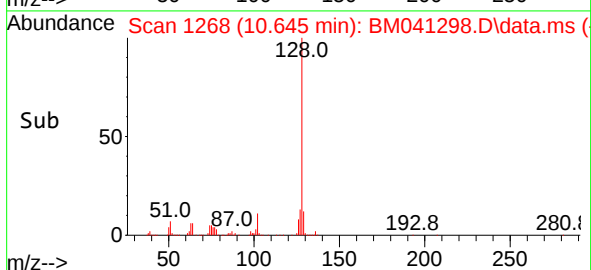
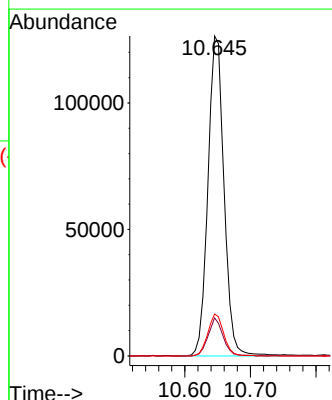
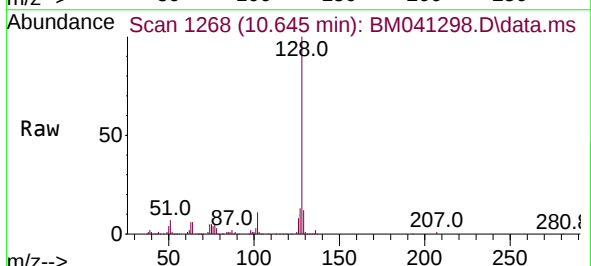
Tgt Ion: 128 Resp: 215010

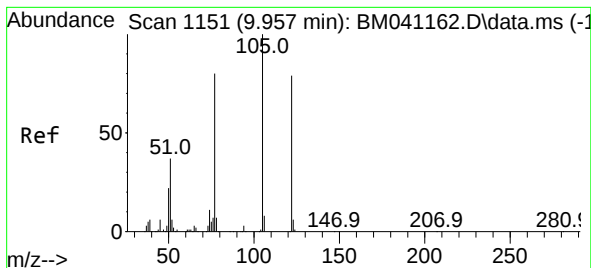
Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.4

127 13.1 10.5 15.7





#32

Benzoic acid

Concen: 7.162 ng

RT: 9.963 min Scan# 1151

Delta R.T. 0.006 min

Lab File: BM041298.D

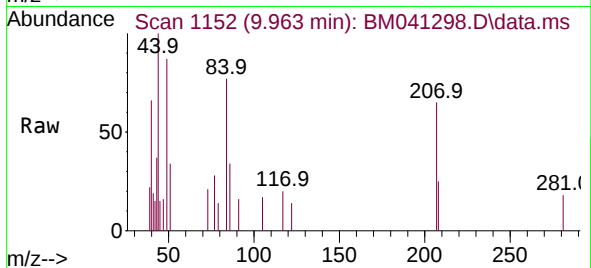
Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL



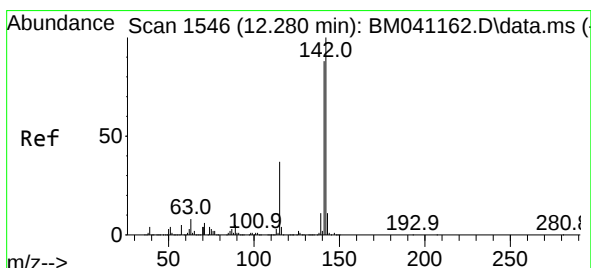
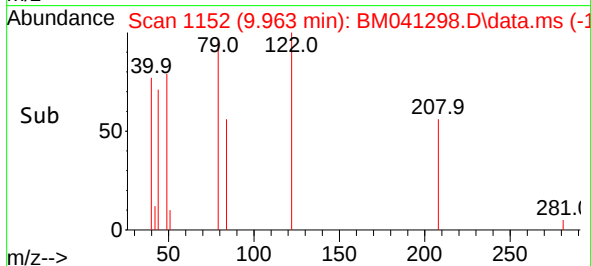
Tgt Ion:122 Resp: 58

Ion Ratio Lower Upper

122 100

105 120.1 104.0 144.0

77 197.0 79.9 119.9#



#37

2-Methylnaphthalene

Concen: 2.857 ng

RT: 12.269 min Scan# 1544

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

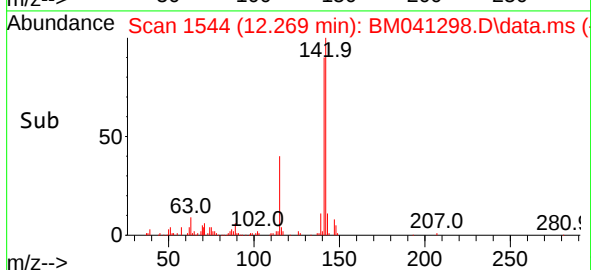
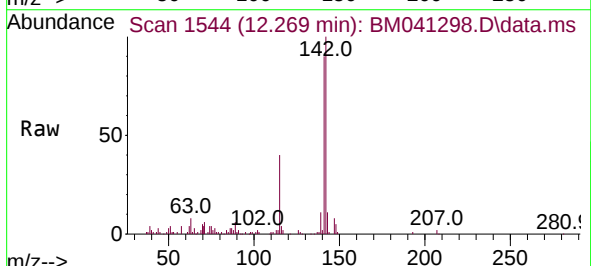
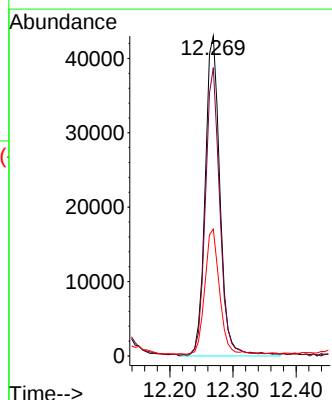
Tgt Ion:142 Resp: 70081

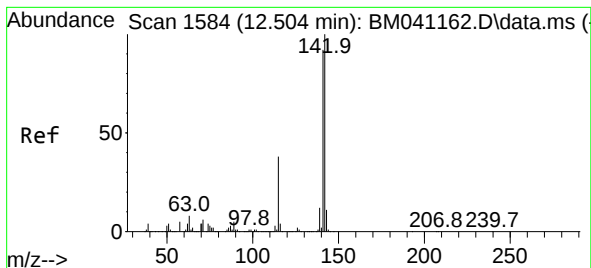
Ion Ratio Lower Upper

142 100

141 90.1 70.7 106.1

115 39.6 29.3 43.9





#38

1-Methylnaphthalene

Concen: 6.174 ng

RT: 12.486 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL

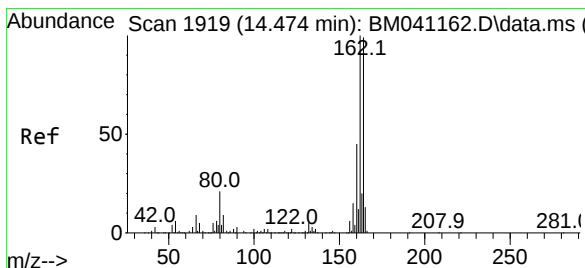
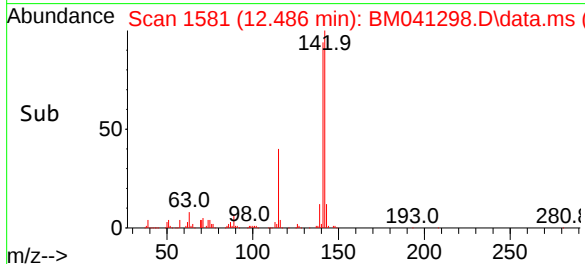
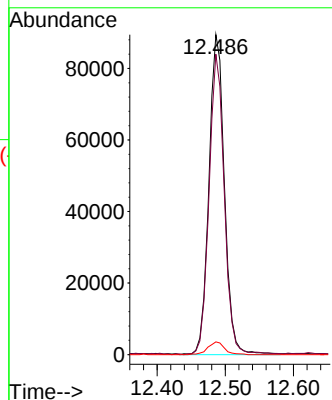
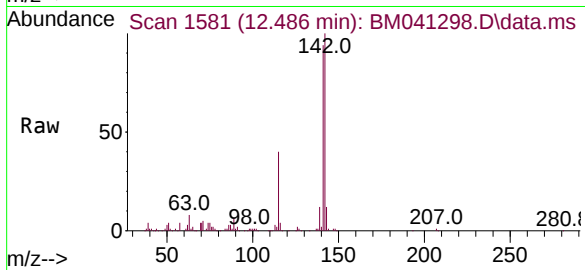
Tgt Ion:142 Resp: 141723

Ion Ratio Lower Upper

142 100

141 93.9 73.4 110.2

116 4.0 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: BM041298.D

Acq: 04 Aug 2023 17:24

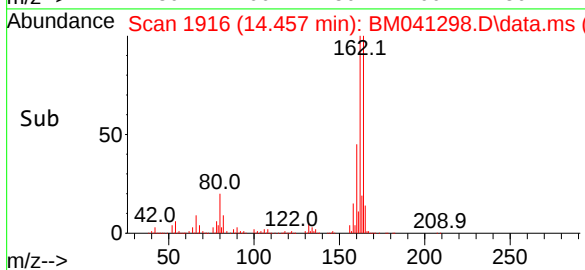
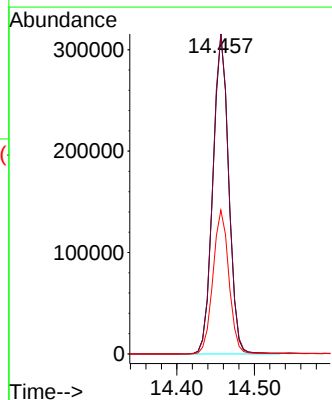
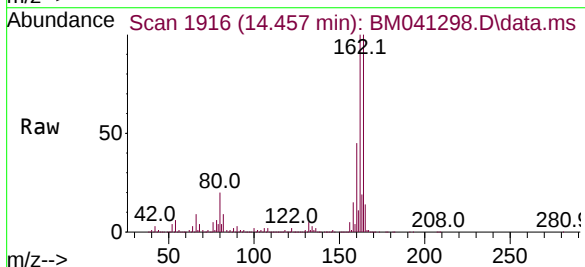
Tgt Ion:164 Resp: 445553

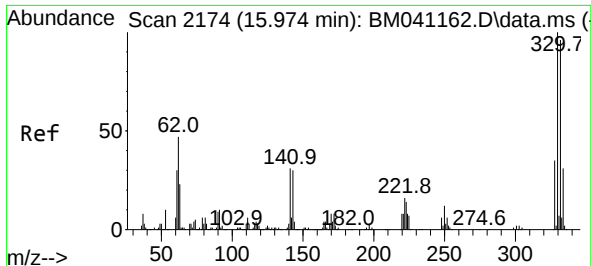
Ion Ratio Lower Upper

164 100

162 99.9 80.4 120.6

160 44.9 36.2 54.2

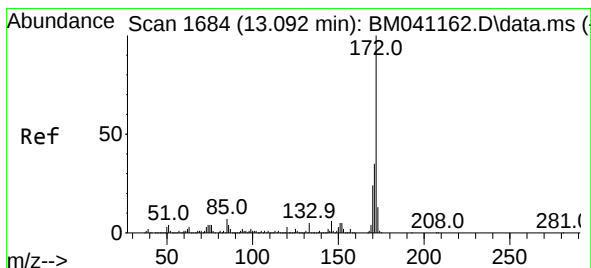
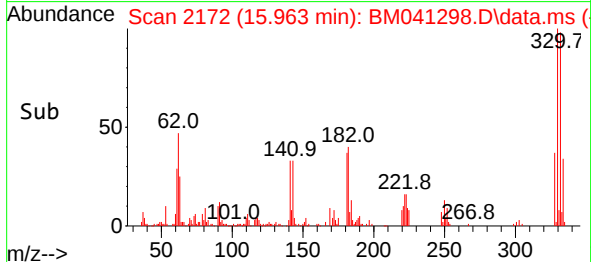
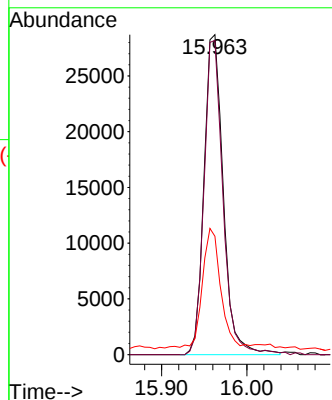
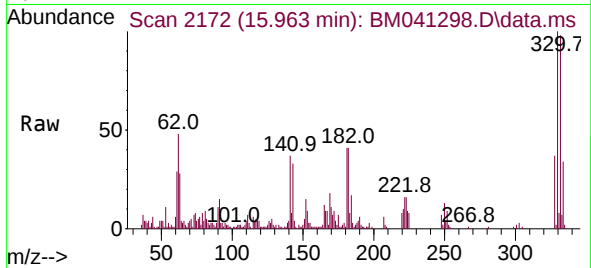




#42
2,4,6-Tribromophenol
Concen: 7.145 ng
RT: 15.963 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

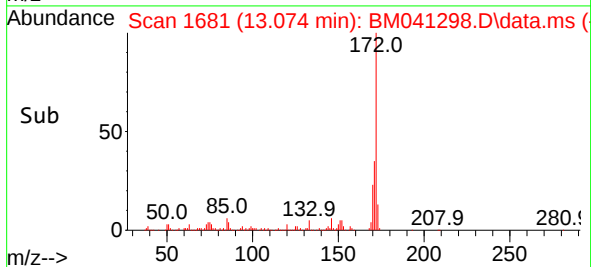
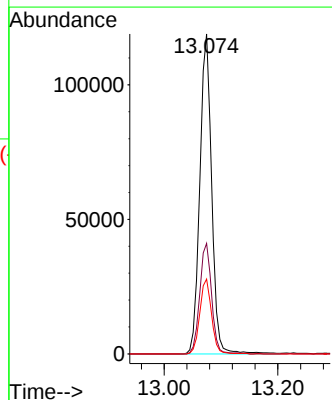
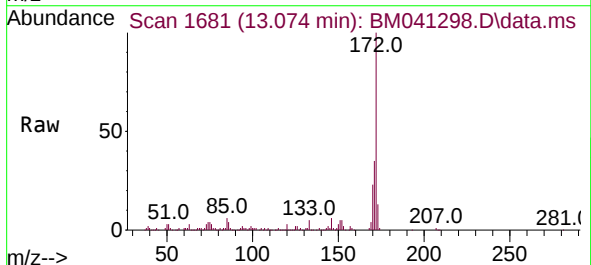
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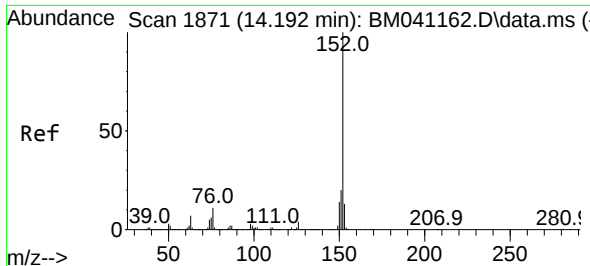
Tgt Ion:330 Resp: 45029
Ion Ratio Lower Upper
330 100
332 96.5 77.7 116.5
141 36.7 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 4.872 ng
RT: 13.074 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

Tgt Ion:172 Resp: 171836
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.4 18.9 28.3

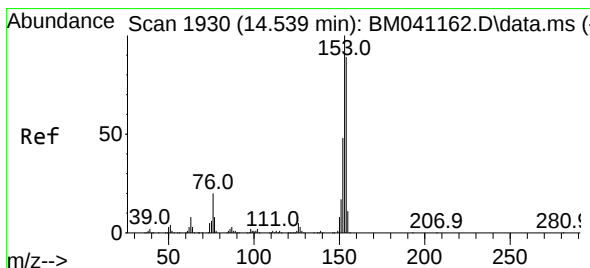
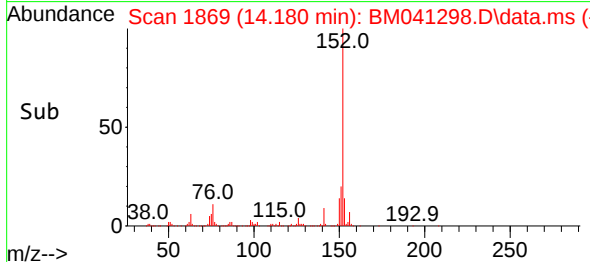
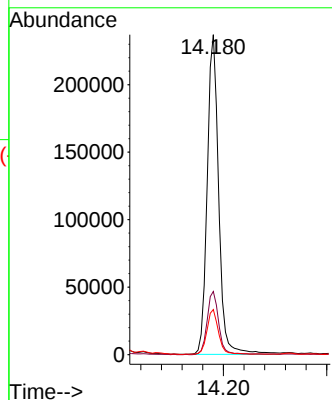
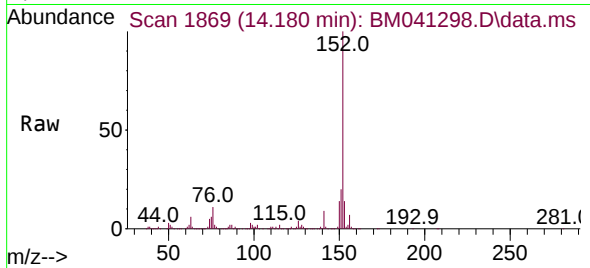




#49
Acenaphthylene
Concen: 8.388 ng
RT: 14.180 min Scan# 1871
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

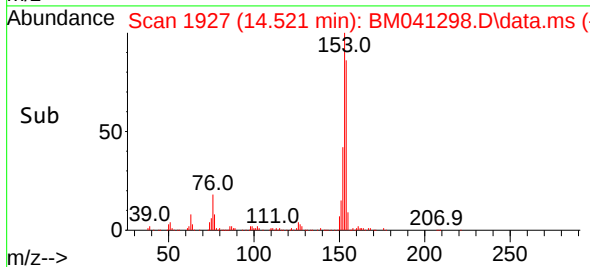
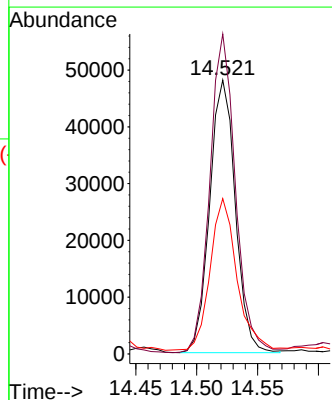
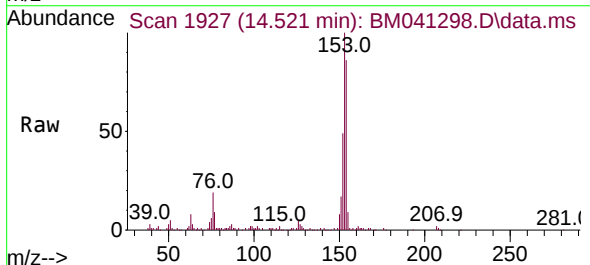
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)DL

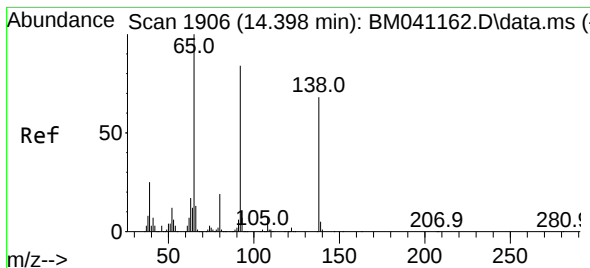
Tgt Ion:152 Resp: 365163
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 14.1 10.5 15.7



#52
Acenaphthene
Concen: 2.686 ng
RT: 14.521 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

Tgt Ion:154 Resp: 70441
Ion Ratio Lower Upper
154 100
153 116.8 90.2 135.4
152 56.7 43.4 65.0

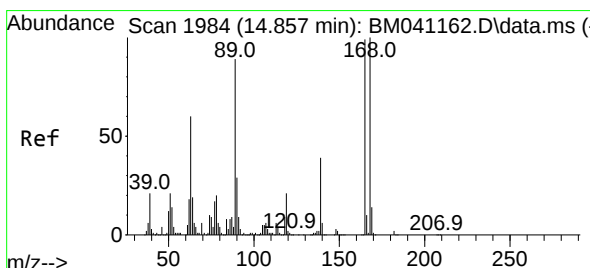
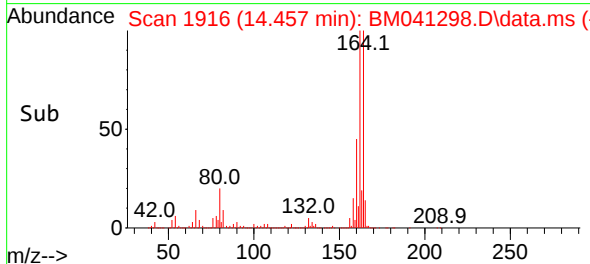
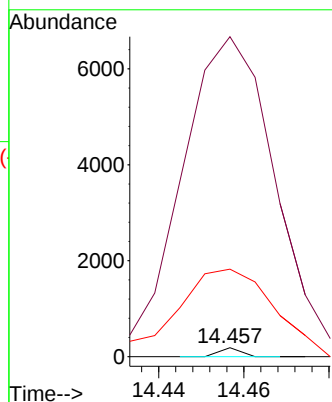
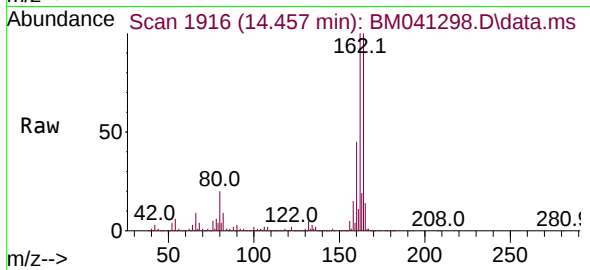




#53
3-Nitroaniline
Concen: 2.585 ng
RT: 14.457 min Scan# 1906
Delta R.T. 0.065 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

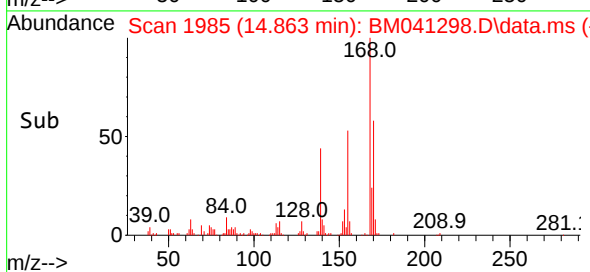
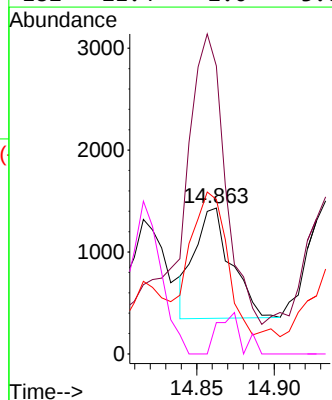
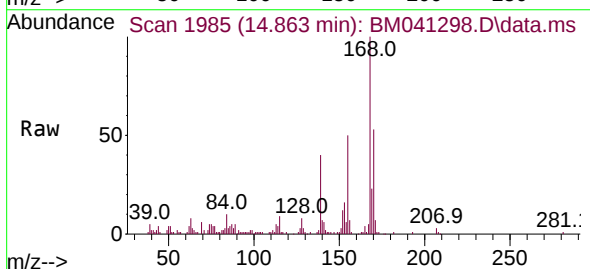
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)DL

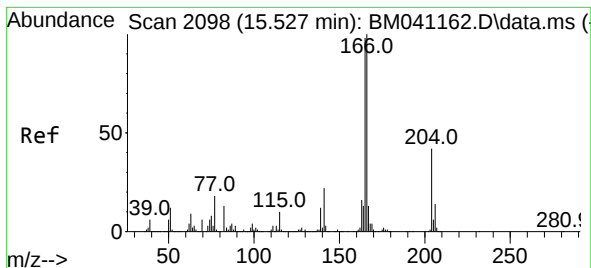
Tgt Ion:138 Resp: 66
Ion Ratio Lower Upper
138 100
108 3587.6 7.6 11.4#
92 979.6 98.9 148.3#



#57
2,4-Dinitrotoluene
Concen: 2.840 ng
RT: 14.863 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

Tgt Ion:165 Resp: 1779
Ion Ratio Lower Upper
165 100
63 197.3 48.3 72.5#
89 105.9 71.8 107.8
182 21.4 2.0 3.0#





#58

Fluorene

Concen: 7.885 ng

RT: 15.510 min Scan# 2095

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL

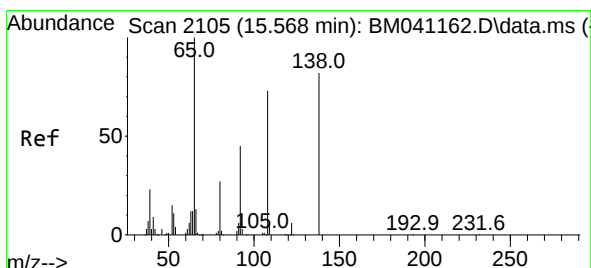
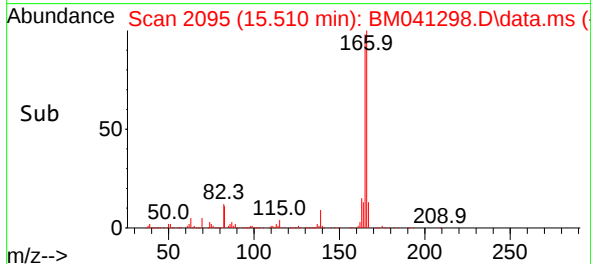
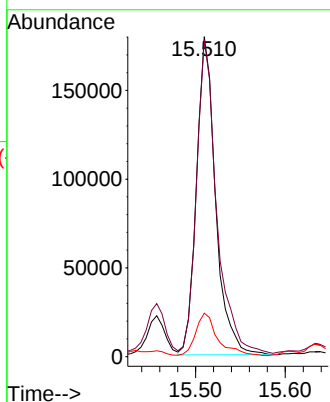
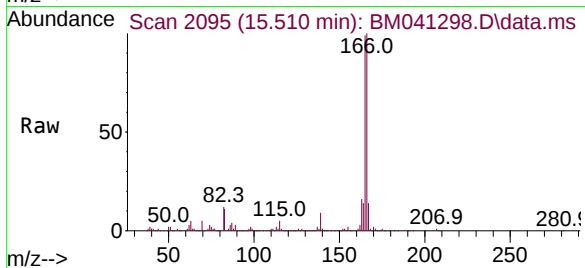
Tgt Ion:166 Resp: 266167

Ion Ratio Lower Upper

166 100

165 98.9 78.2 117.4

167 13.6 10.6 16.0



#62

4-Nitroaniline

Concen: 4.547 ng

RT: 15.510 min Scan# 2095

Delta R.T. -0.053 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

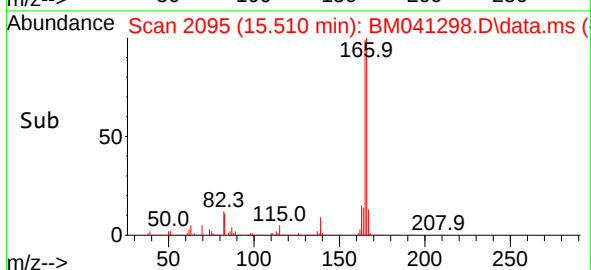
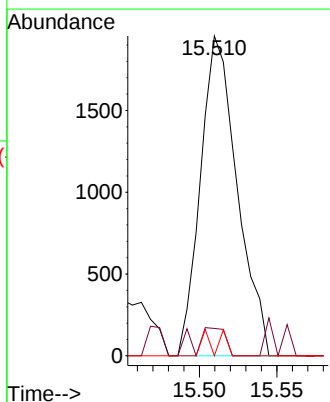
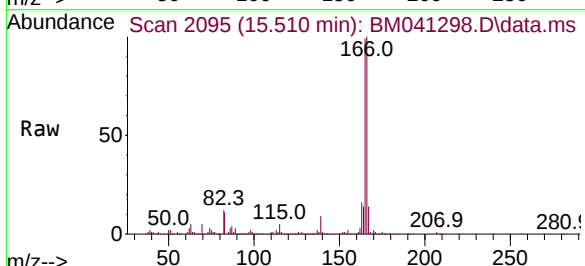
Tgt Ion:138 Resp: 3239

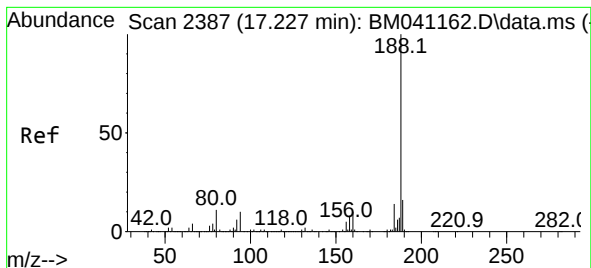
Ion Ratio Lower Upper

138 100

92 8.5 35.1 75.1#

108 0.0 67.8 107.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 2385

Delta R.T. -0.006 min

Lab File: BM041298.D

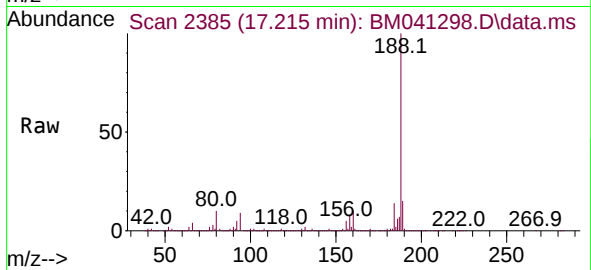
Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL



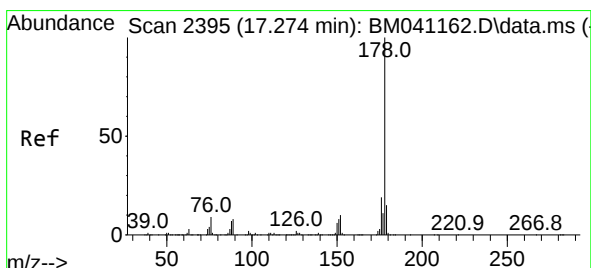
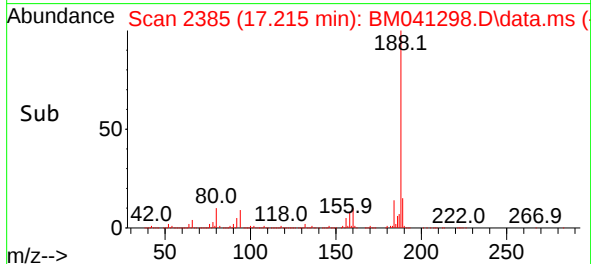
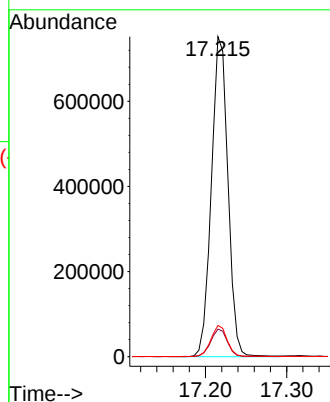
Tgt Ion:188 Resp: 1065005

Ion Ratio Lower Upper

188 100

94 8.6 8.2 12.2

80 9.7 8.6 13.0



#71

Phenanthrene

Concen: 29.288 ng

RT: 17.262 min Scan# 2393

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

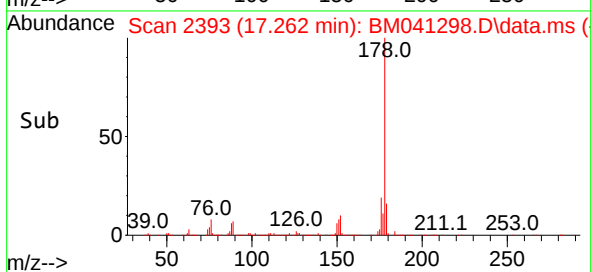
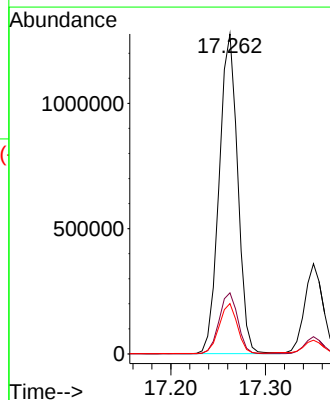
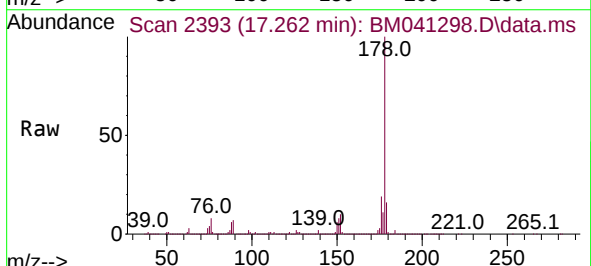
Tgt Ion:178 Resp: 1733042

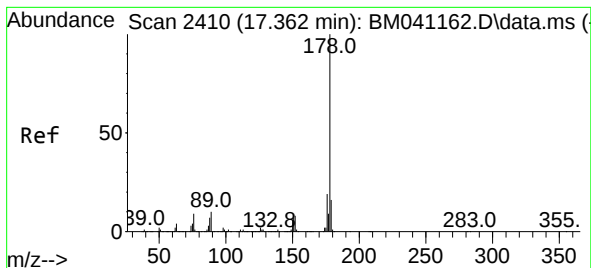
Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

179 15.7 12.1 18.1





#72

Anthracene

Concen: 8.157 ng

RT: 17.351 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL

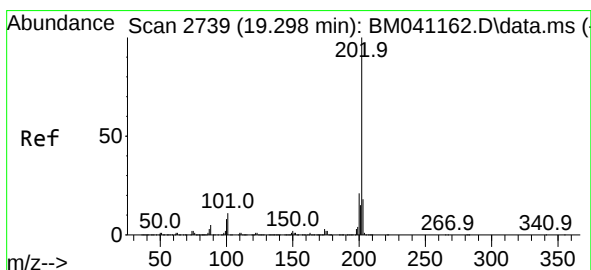
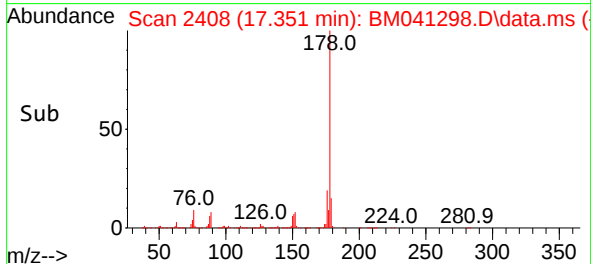
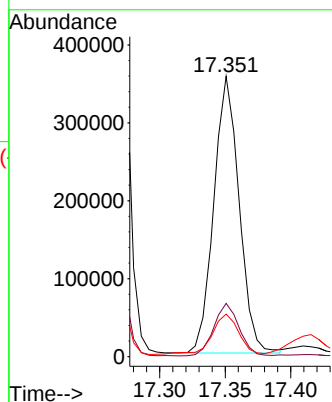
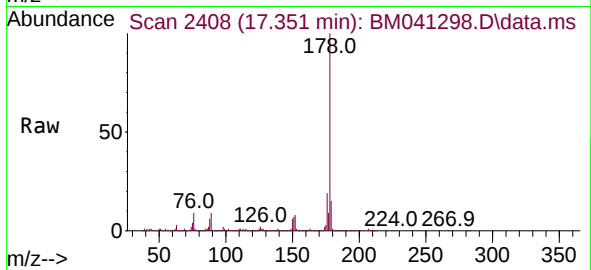
Tgt Ion:178 Resp: 477391

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

179 15.2 12.4 18.6



#75

Fluoranthene

Concen: 28.251 ng

RT: 19.286 min Scan# 2737

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

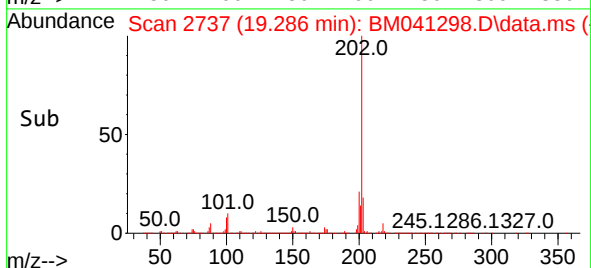
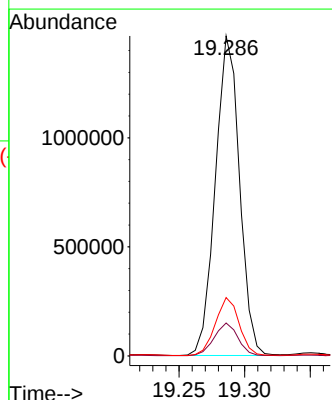
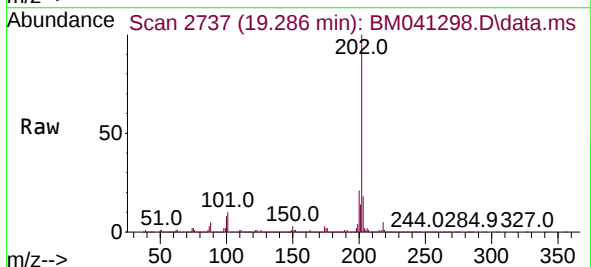
Tgt Ion:202 Resp: 1878094

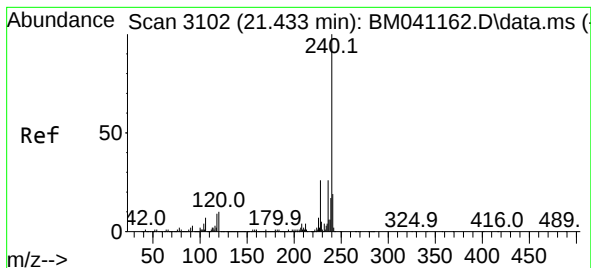
Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.8

203 18.2 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: BM041298.D

Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL

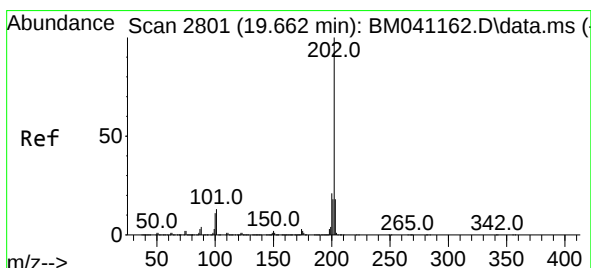
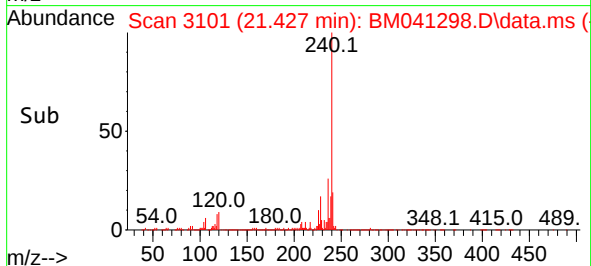
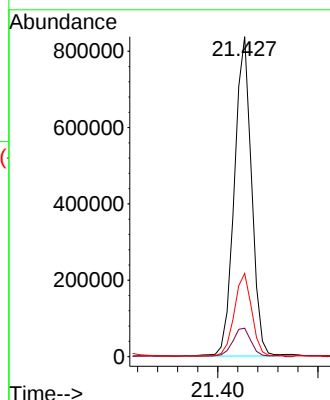
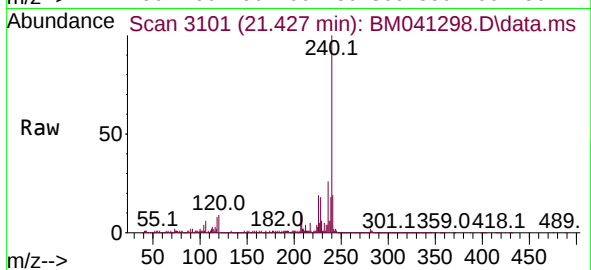
Tgt Ion:240 Resp: 993043

Ion Ratio Lower Upper

240 100

120 8.9 8.3 12.5

236 26.0 20.6 30.8



#78

Pyrene

Concen: 47.887 ng

RT: 19.656 min Scan# 2800

Delta R.T. -0.000 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

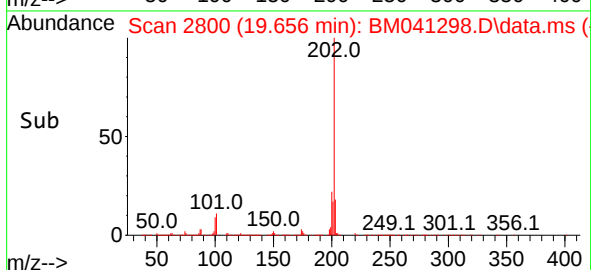
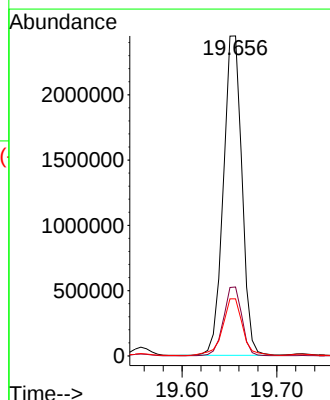
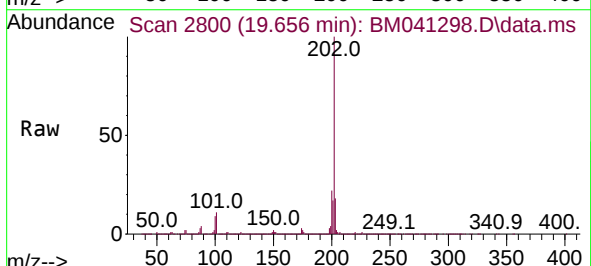
Tgt Ion:202 Resp: 3325535

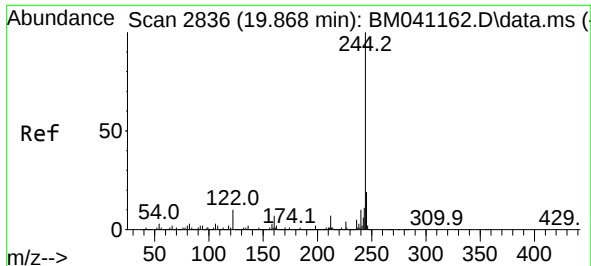
Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 17.8 14.1 21.1

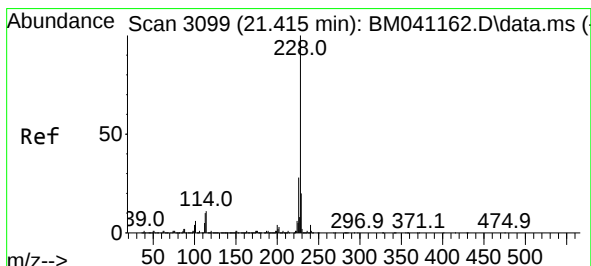
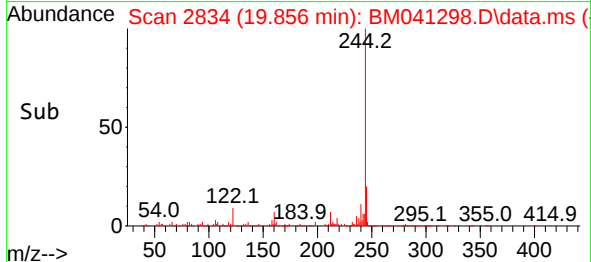
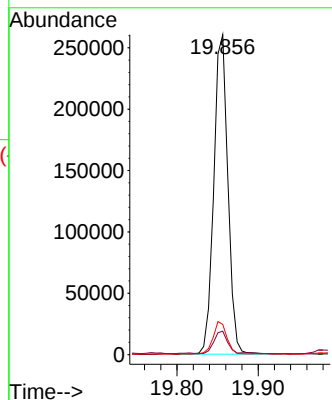
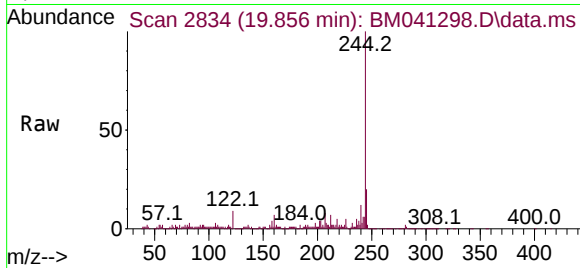




#79
 Terphenyl-d14
 Concen: 5.727 ng
 RT: 19.856 min Scan# 2834
 Delta R.T. -0.006 min
 Lab File: BM041298.D
 Acq: 04 Aug 2023 17:24

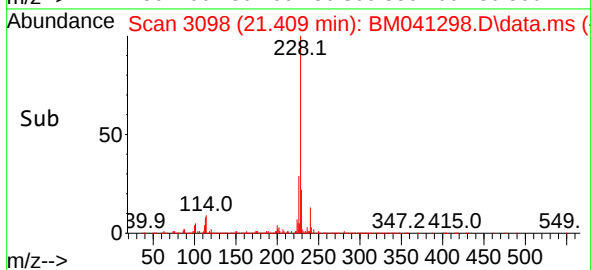
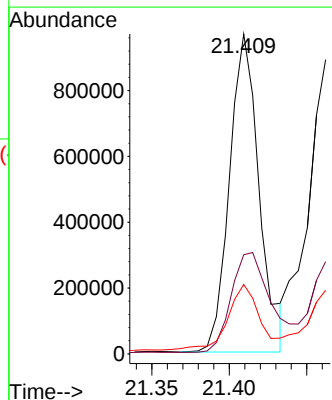
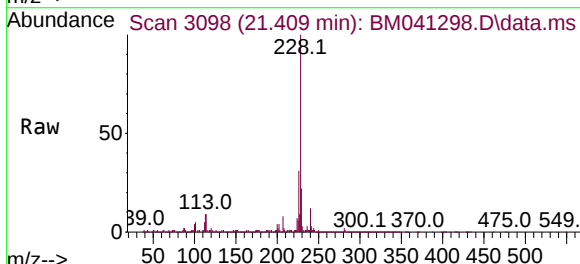
Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-A-10-(0-5)DL

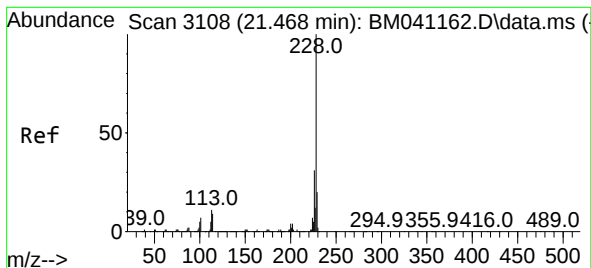
Tgt Ion:244 Resp: 314525
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 9.5 7.8 11.6



#81
 Benzo(a)anthracene
 Concen: 19.181 ng
 RT: 21.409 min Scan# 3098
 Delta R.T. -0.006 min
 Lab File: BM041298.D
 Acq: 04 Aug 2023 17:24

Tgt Ion:228 Resp: 1291272
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.4 33.6
 229 21.7 15.8 23.8





#83

Chrysene

Concen: 18.264 ng

RT: 21.462 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL

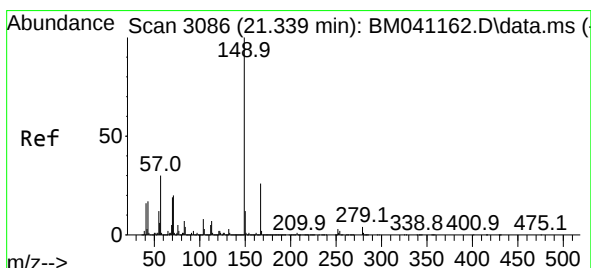
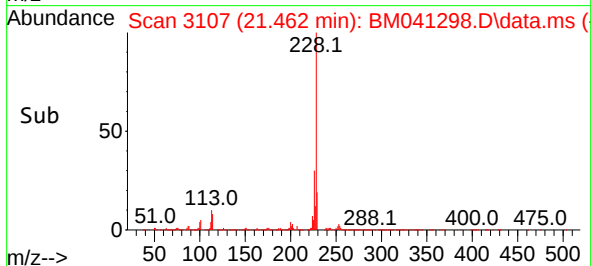
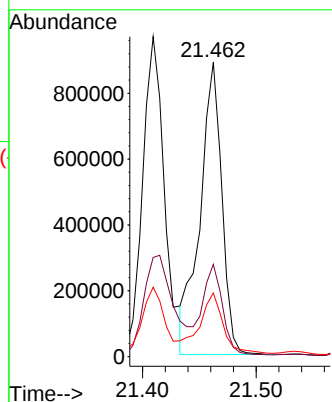
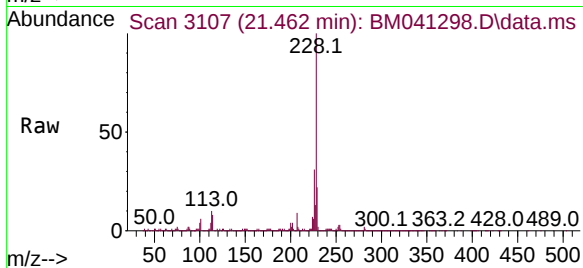
Tgt Ion:228 Resp: 1189284

Ion Ratio Lower Upper

228 100

226 31.3 24.5 36.7

229 21.6 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.706 ng

RT: 21.327 min Scan# 3084

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

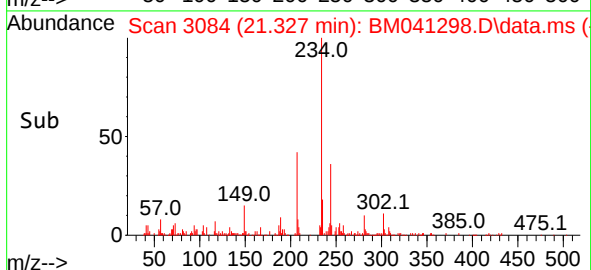
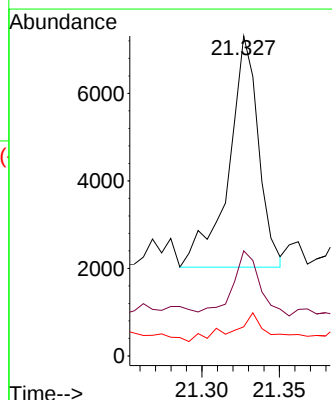
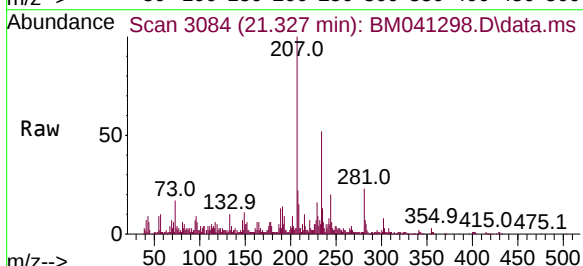
Tgt Ion:149 Resp: 7104

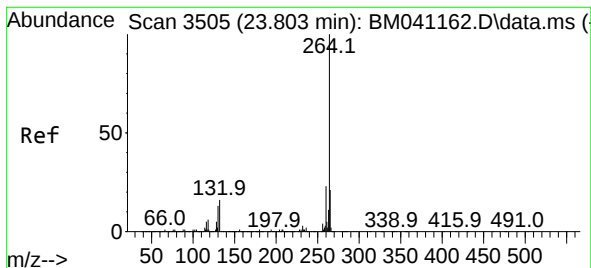
Ion Ratio Lower Upper

149 100

167 32.8 21.0 31.6#

279 9.1 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.797 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL

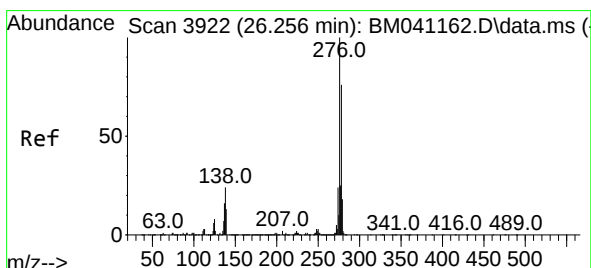
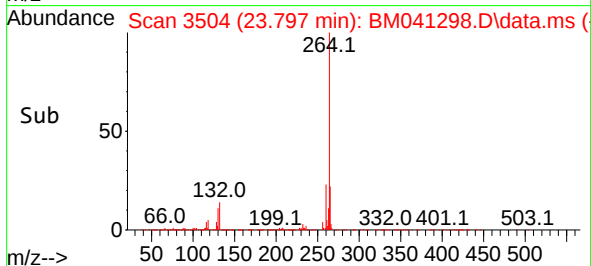
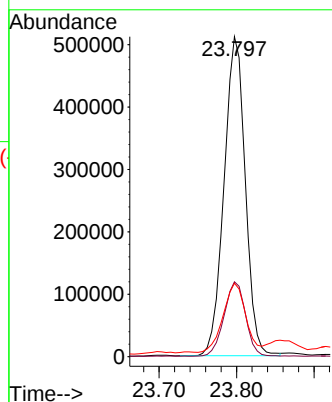
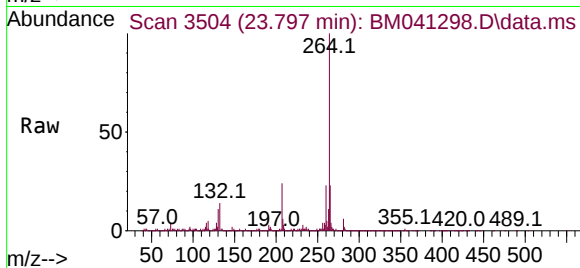
Tgt Ion:264 Resp: 976330

Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.9 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.918 ng

RT: 26.238 min Scan# 3919

Delta R.T. -0.024 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

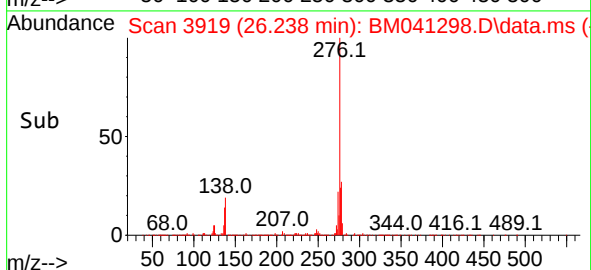
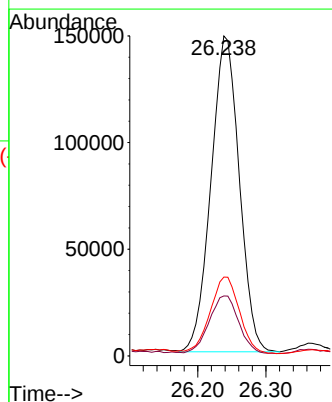
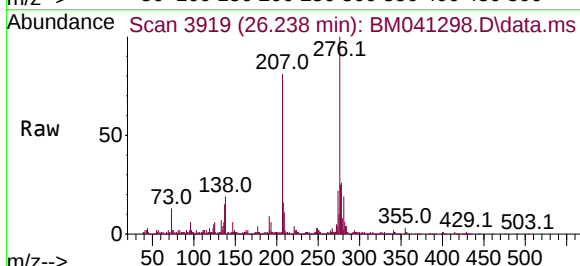
Tgt Ion:276 Resp: 424771

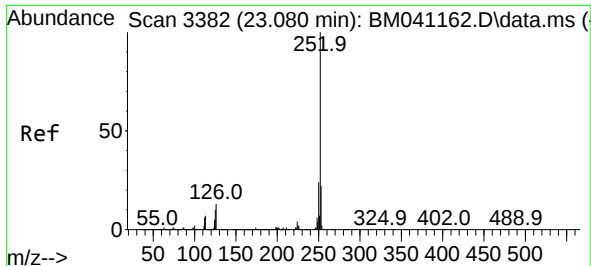
Ion Ratio Lower Upper

276 100

138 19.1 20.0 30.0#

277 25.2 20.1 30.1

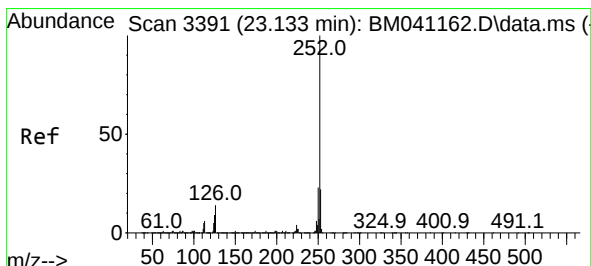
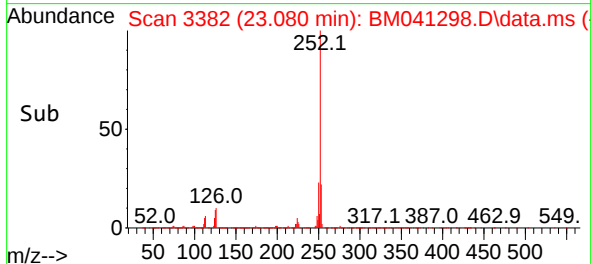
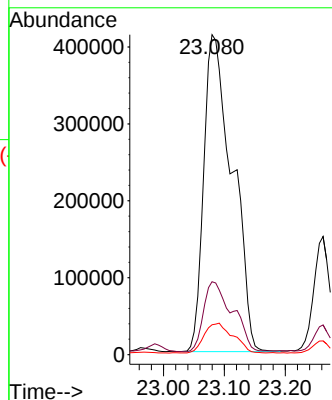
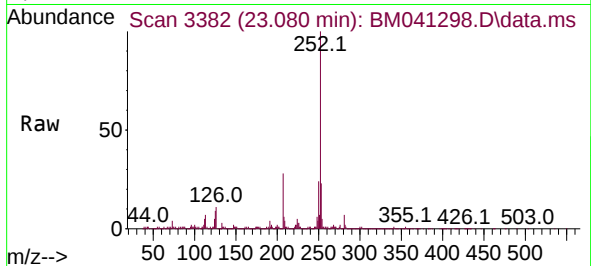




#88
Benzo(b)fluoranthene
Concen: 23.170 ng
RT: 23.080 min Scan# 3382
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

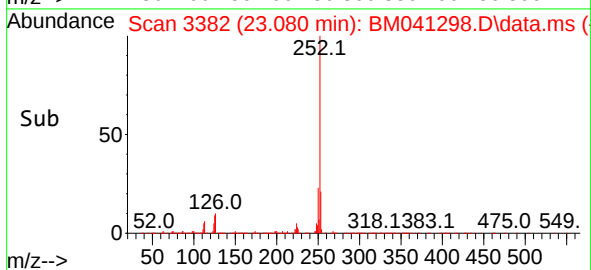
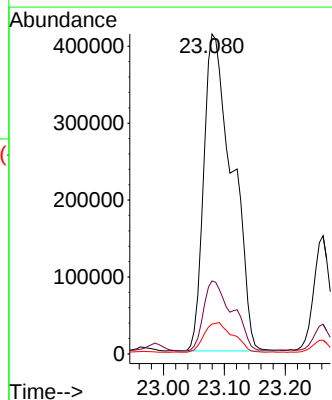
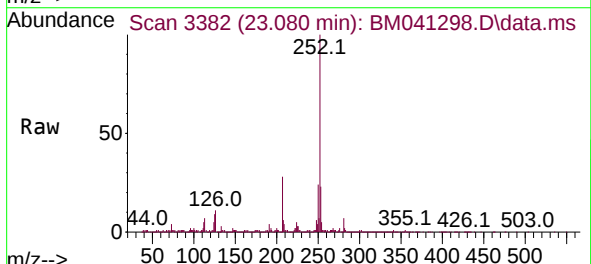
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)DL

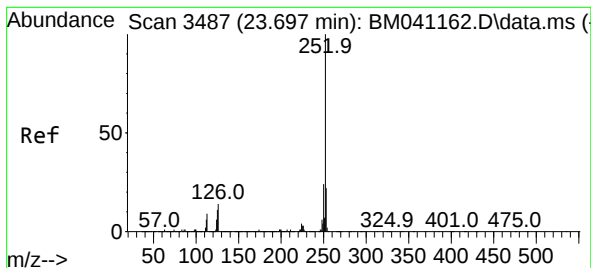
Tgt Ion:252 Resp: 1343858
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 9.3 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 22.651 ng
RT: 23.080 min Scan# 3382
Delta R.T. -0.053 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

Tgt Ion:252 Resp: 1343858
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 9.3 7.6 11.4





#90

Benzo(a)pyrene

Concen: 19.023 ng

RT: 23.691 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL

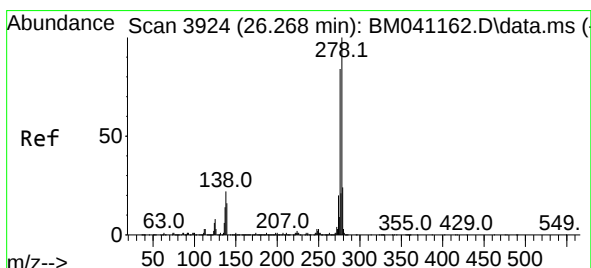
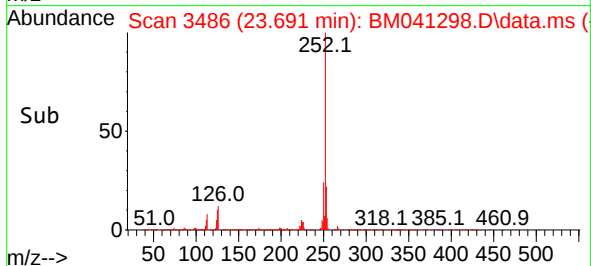
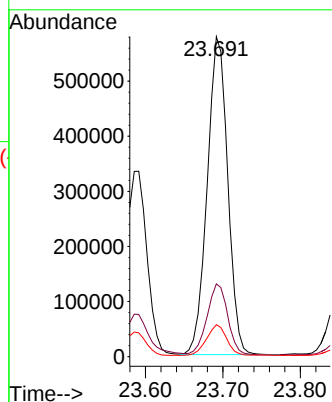
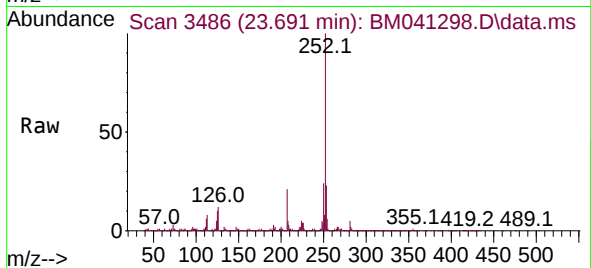
Tgt Ion:252 Resp: 1060123

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 10.0 9.0 13.4



#91

Dibenzo(a,h)anthracene

Concen: 2.366 ng

RT: 26.244 min Scan# 3920

Delta R.T. -0.030 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

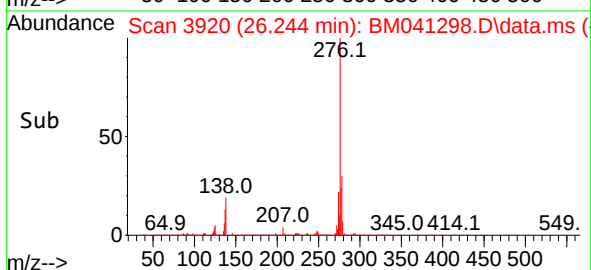
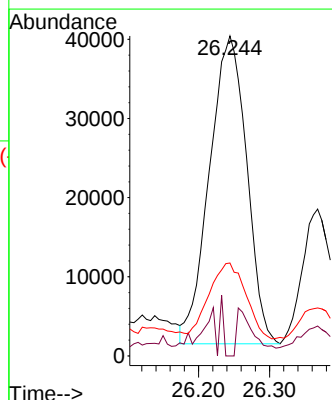
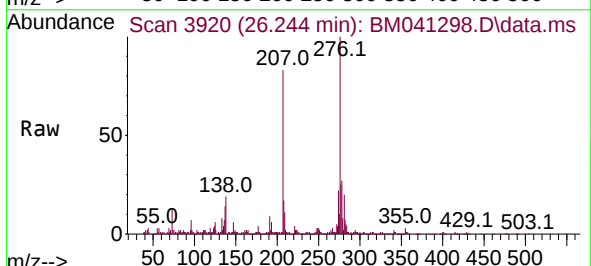
Tgt Ion:278 Resp: 141675

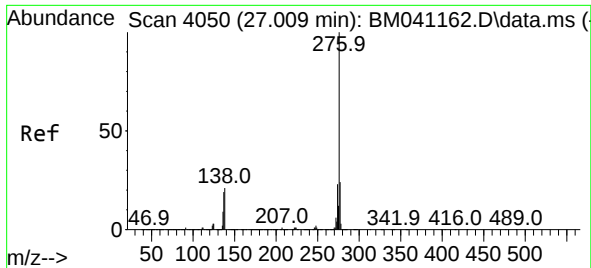
Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

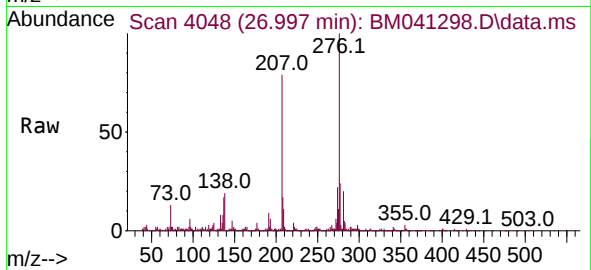
279 29.0 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 7.834 ng
RT: 26.997 min Scan# 40
Delta R.T. -0.018 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)DL



Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	18.9	17.1	25.7

