

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080423\
 Data File : BM041299.D
 Acq On : 04 Aug 2023 18:01
 Operator : MA/JU
 Sample : 03815-01DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-A-1-(0-5)DL

Quant Time: Aug 05 01:28:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 19:20:51 2023
 Response via : Initial Calibration

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

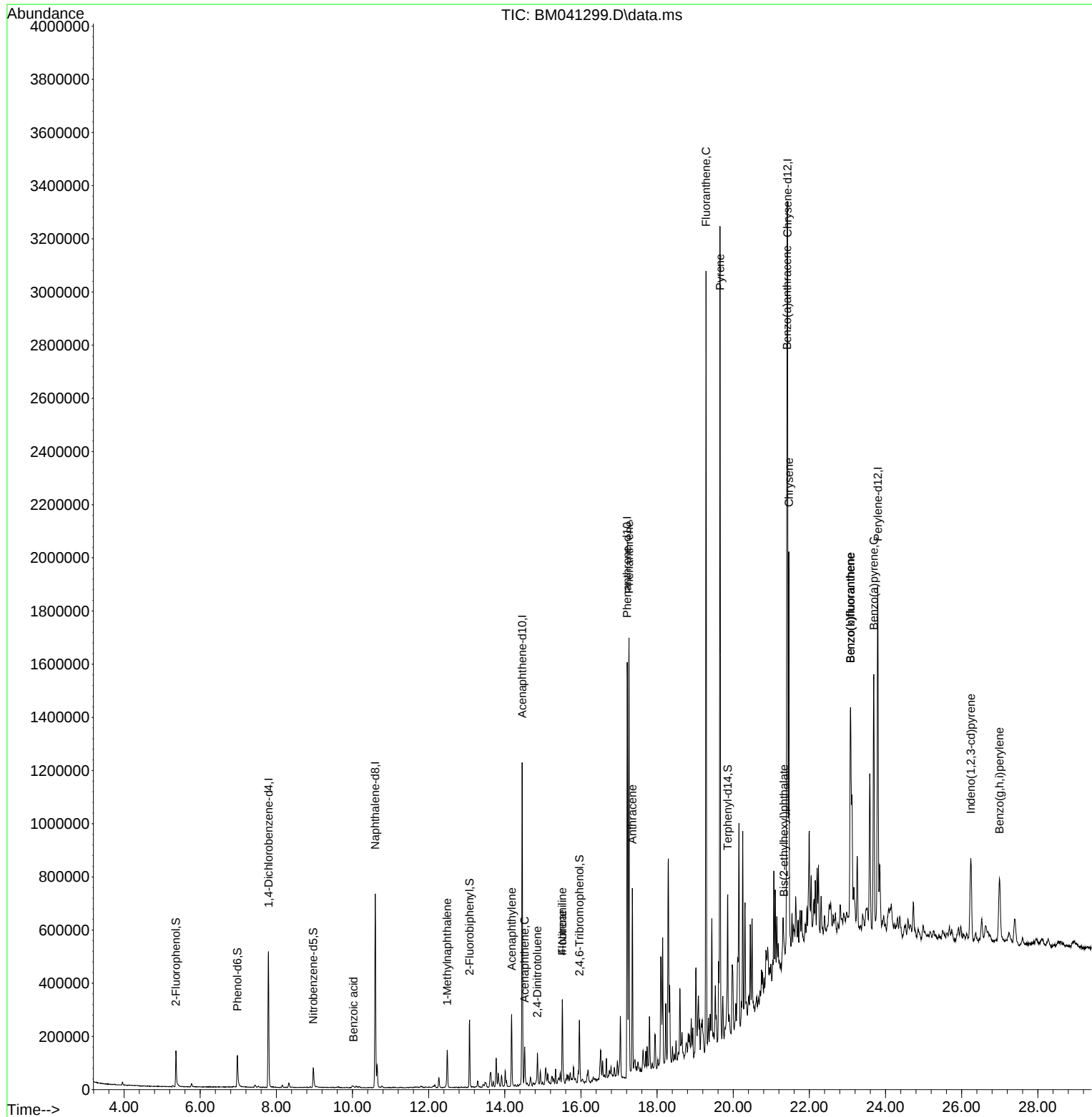
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	136858	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	595675	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	391869	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	920988	20.000	ng	0.00
76) Chrysene-d12	21.427	240	939772	20.000	ng	0.00
86) Perylene-d12	23.797	264	969135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	65793	7.185	ng	0.00
7) Phenol-d6	6.975	99	84065	7.082	ng	0.00
23) Nitrobenzene-d5	8.969	82	54678	4.269	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	37206	6.713	ng	0.00
45) 2-Fluorobiphenyl	13.074	172	129459	4.173	ng	0.00
79) Terphenyl-d14	19.856	244	233210	4.487	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.022	122	56	7.162	ng	# 1
38) 1-Methylnaphthalene	12.486	142	62003	3.040	ng	97
49) Acenaphthylene	14.180	152	173083	4.521	ng	100
52) Acenaphthene	14.521	154	49259	2.136	ng	98
57) 2,4-Dinitrotoluene	14.851	165	1488	2.832	ng	# 1
58) Fluorene	15.509	166	137006	4.615	ng	99
62) 4-Nitroaniline	15.509	138	1743	4.392	ng	# 13
71) Phenanthrene	17.262	178	927944	18.134	ng	100
72) Anthracene	17.351	178	404159	7.986	ng	99
75) Fluoranthene	19.286	202	1581265	27.505	ng	99
78) Pyrene	19.650	202	1738294	26.450	ng	100
81) Benzo(a)anthracene	21.409	228	905206	14.208	ng	96
83) Chrysene	21.462	228	761767	12.362	ng	98
84) Bis(2-ethylhexyl)phtha...	21.333	149	13738	2.881	ng	# 86
87) Indeno(1,2,3-cd)pyrene	26.238	276	315313	4.425	ng	# 95
88) Benzo(b)fluoranthene	23.080	252	815420	14.163	ng	99
89) Benzo(k)fluoranthene	23.080	252	815420	13.846	ng	98
90) Benzo(a)pyrene	23.691	252	702883	12.706	ng	97
92) Benzo(g,h,i)perylene	26.991	276	308213	5.300	ng	98

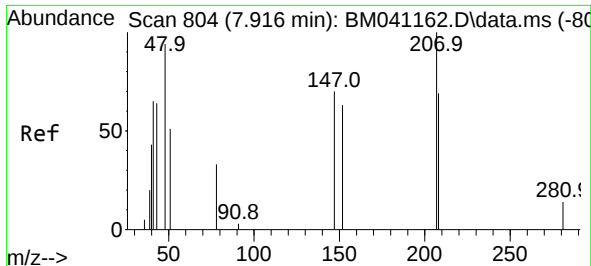
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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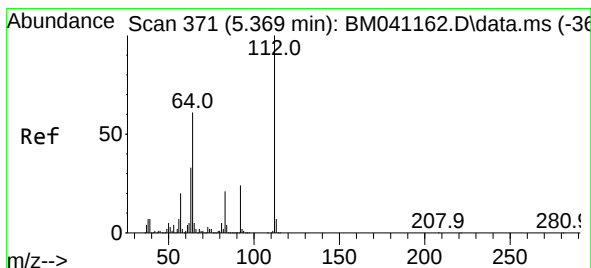
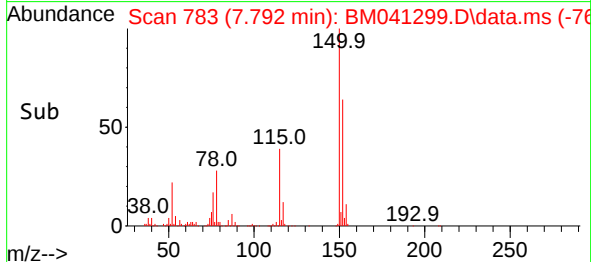
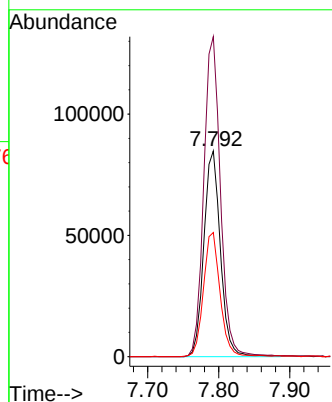
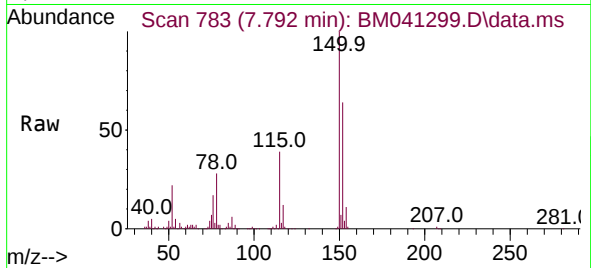




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 71
Delta R.T. -0.001 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

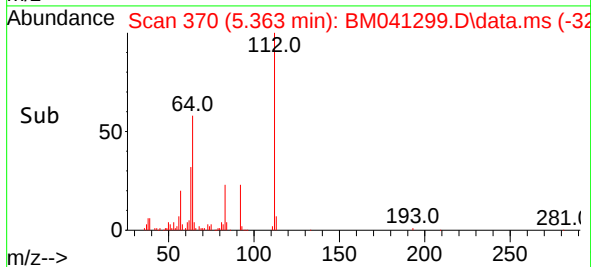
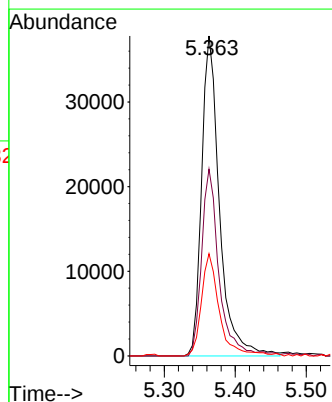
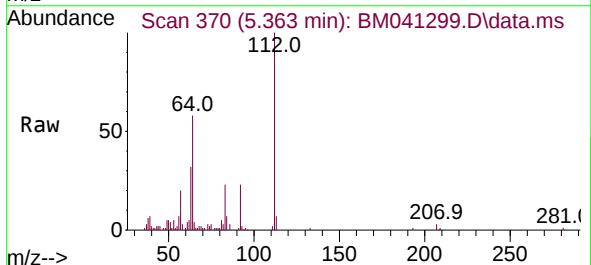
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BNA_M
ClientSampleId :
BUILDING-A-1-(0-5)DL

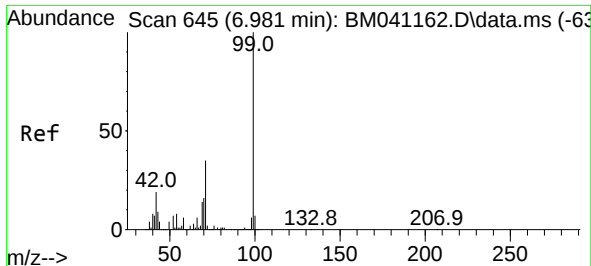
Tgt Ion:152 Resp: 136858
Ion Ratio Lower Upper
152 100
150 155.5 125.5 188.3
115 60.3 48.0 72.0



#5
2-Fluorophenol
Concen: 7.185 ng
RT: 5.363 min Scan# 370
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

Tgt Ion:112 Resp: 65793
Ion Ratio Lower Upper
112 100
64 58.4 48.5 72.7
63 31.9 26.5 39.7

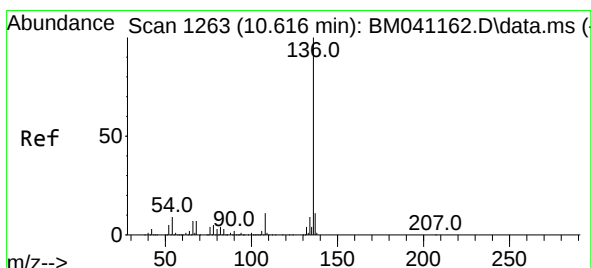
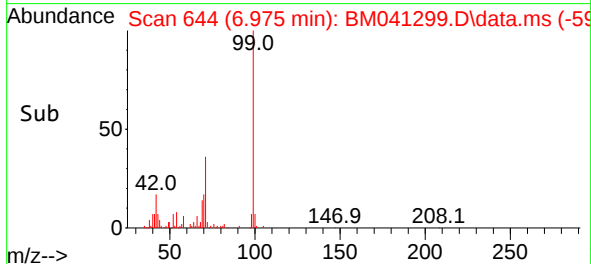
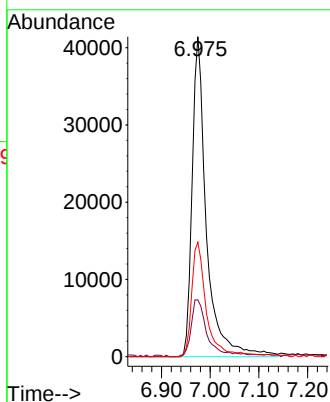
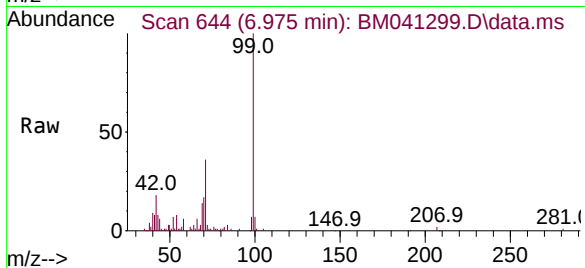




#7
Phenol-d6
Concen: 7.082 ng
RT: 6.975 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

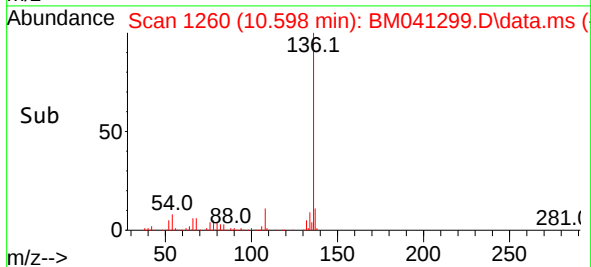
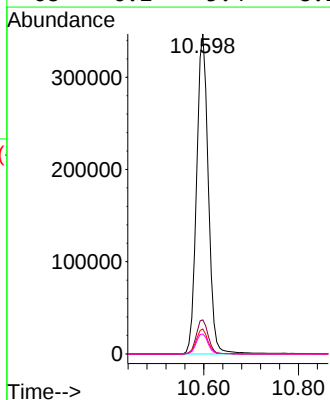
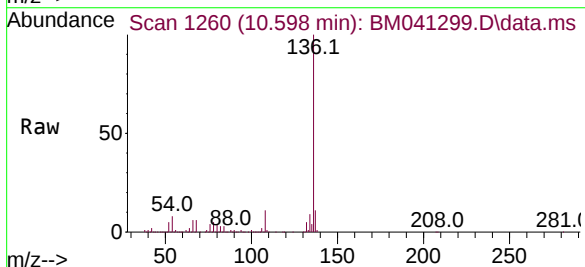
Instrument :
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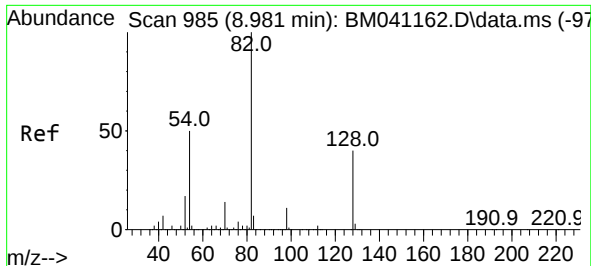
Tgt Ion: 99 Resp: 84065
Ion Ratio Lower Upper
99 100
42 17.7 15.4 23.0
71 35.7 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

Tgt Ion: 136 Resp: 595675
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.8 6.9 10.3
68 6.2 5.4 8.2

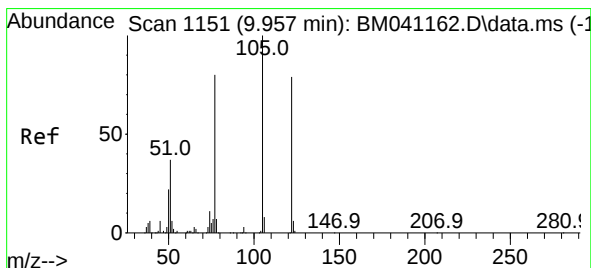
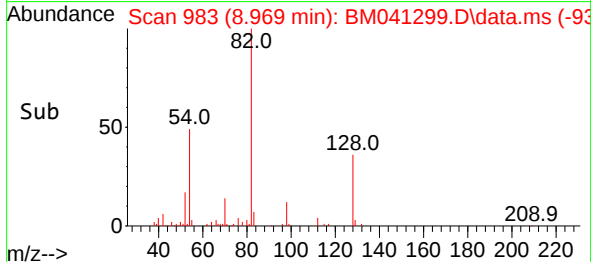
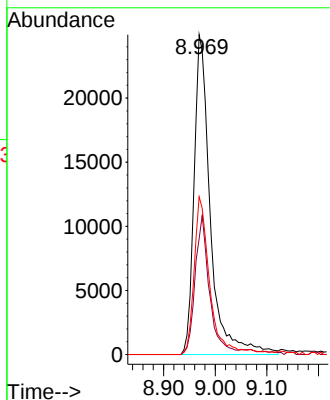
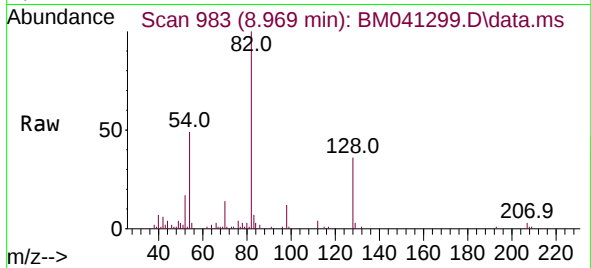




#23
Nitrobenzene-d5
Concen: 4.269 ng
RT: 8.969 min Scan# 985
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

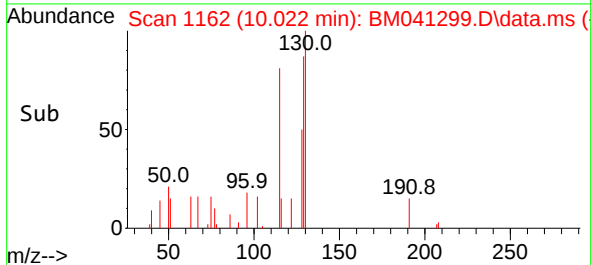
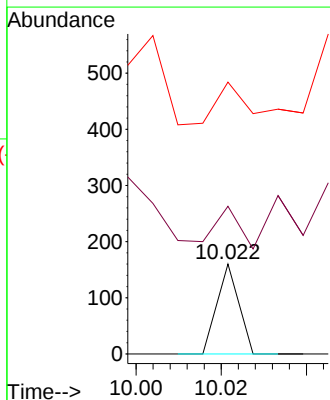
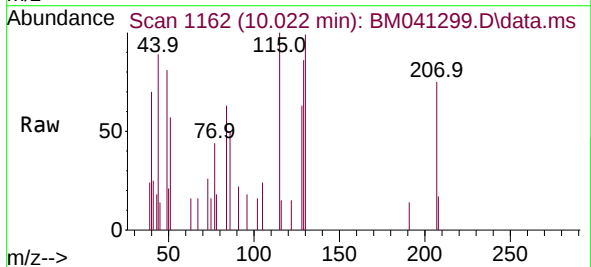
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-1-(0-5)DL

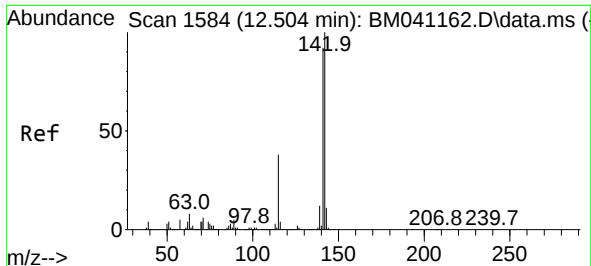
Tgt Ion: 82 Resp: 54678
Ion Ratio Lower Upper
82 100
128 36.3 31.8 47.6
54 49.3 40.1 60.1



#32
Benzoic acid
Concen: 7.162 ng
RT: 10.022 min Scan# 1162
Delta R.T. 0.064 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

Tgt Ion: 122 Resp: 56
Ion Ratio Lower Upper
122 100
105 164.4 104.0 144.0#
77 302.5 79.9 119.9#

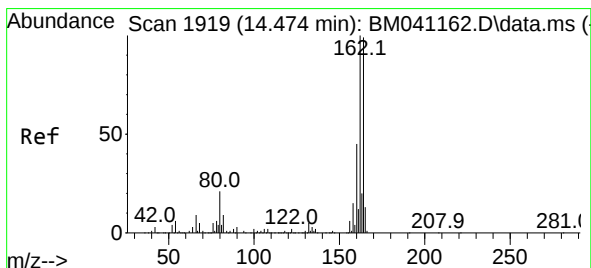
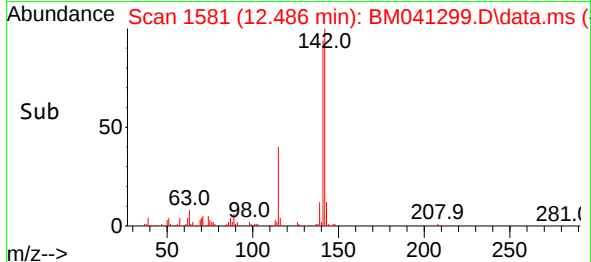
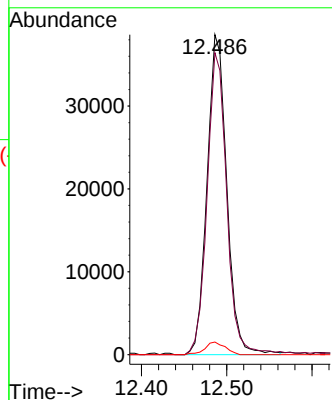
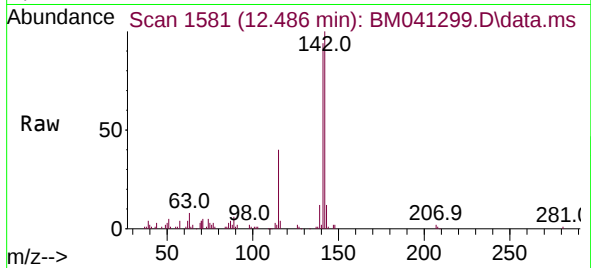




#38
1-Methylnaphthalene
Concen: 3.040 ng
RT: 12.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

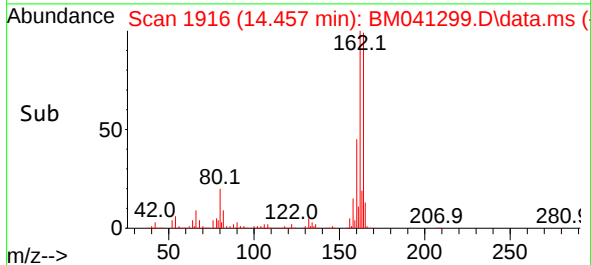
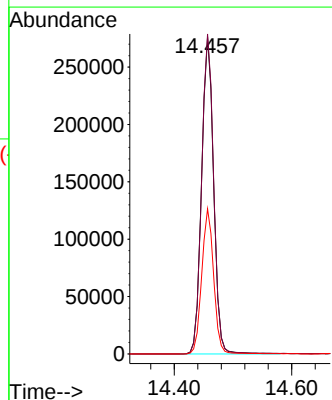
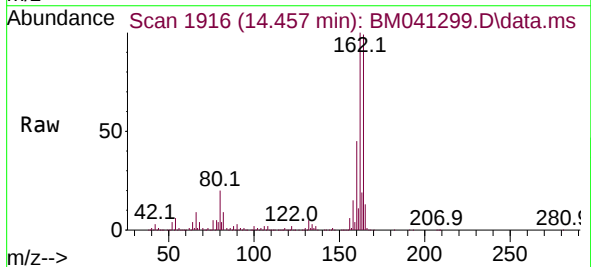
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-1-(0-5)DL

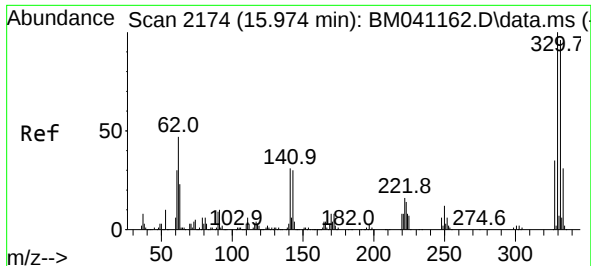
Tgt Ion:142 Resp: 62003
Ion Ratio Lower Upper
142 100
141 94.3 73.4 110.2
116 3.9 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

Tgt Ion:164 Resp: 391869
Ion Ratio Lower Upper
164 100
162 100.9 80.4 120.6
160 45.7 36.2 54.2

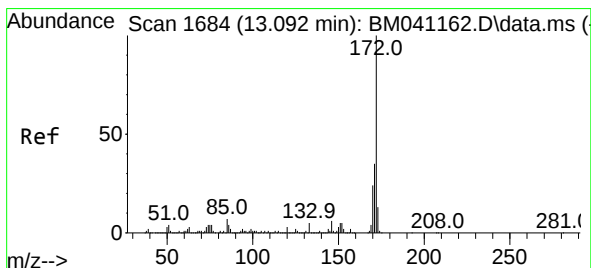
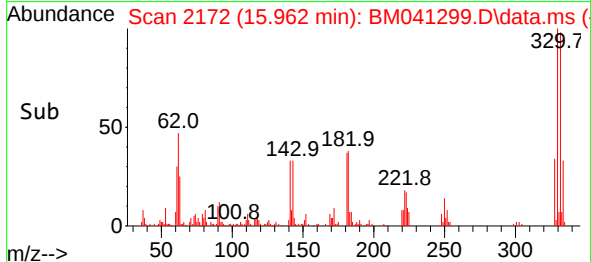
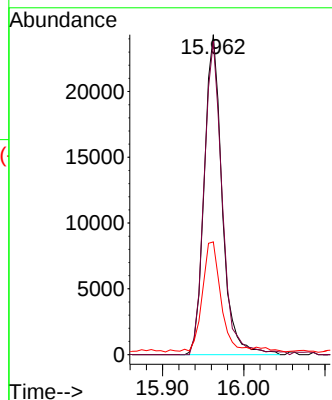
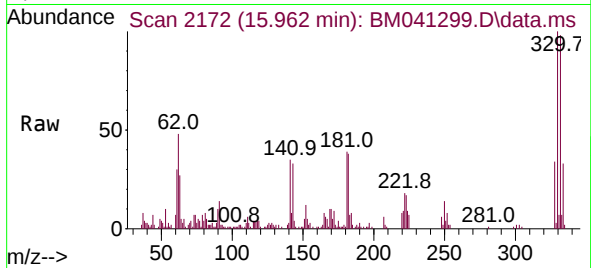




#42
2,4,6-Tribromophenol
Concen: 6.713 ng
RT: 15.962 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

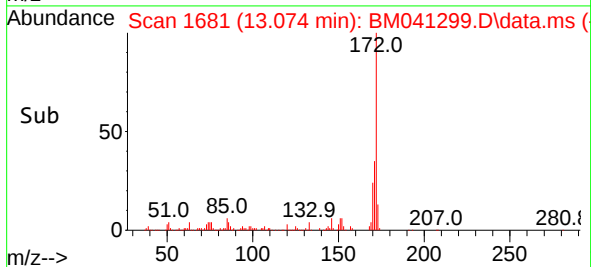
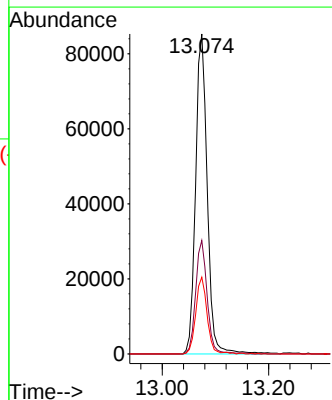
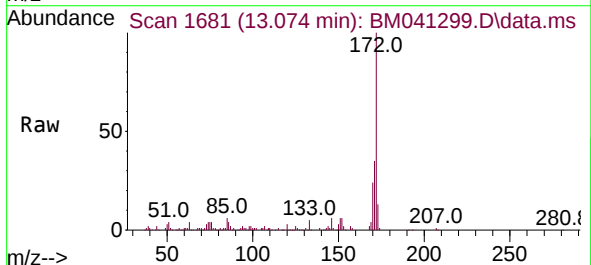
Instrument :
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ClientSampleId :
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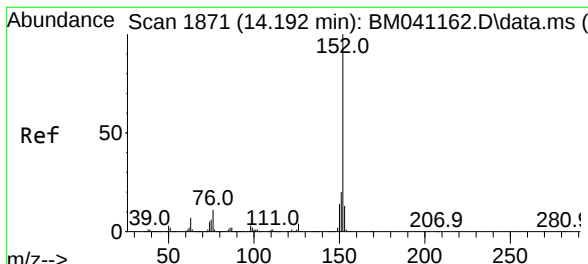
Tgt Ion:330 Resp: 37206
Ion Ratio Lower Upper
330 100
332 99.3 77.7 116.5
141 36.0 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 4.173 ng
RT: 13.074 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

Tgt Ion:172 Resp: 129459
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 24.0 18.9 28.3





#49

Acenaphthylene

Concen: 4.521 ng

RT: 14.180 min Scan# 1871

Delta R.T. -0.006 min

Lab File: BM041299.D

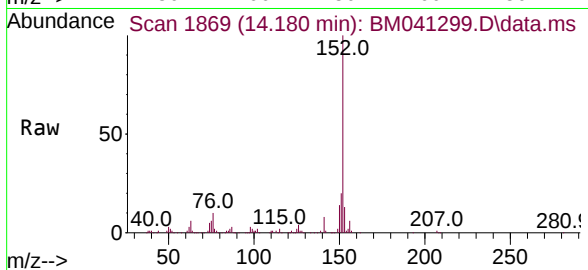
Acq: 04 Aug 2023 18:01

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-1-(0-5)DL



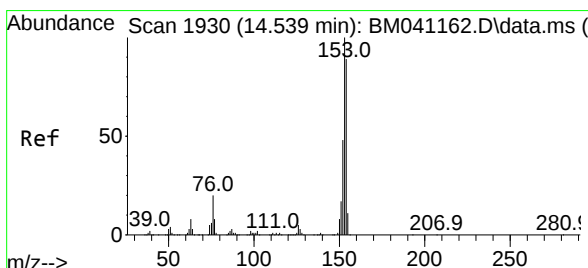
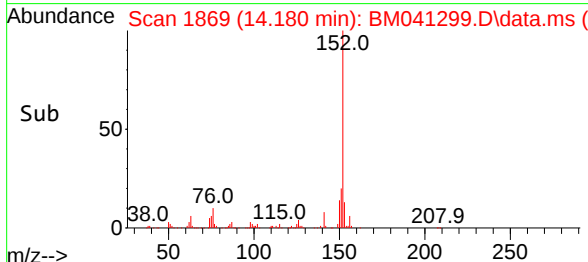
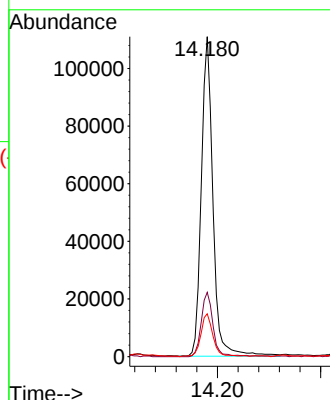
Tgt Ion:152 Resp: 173083

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.4 10.5 15.7



#52

Acenaphthene

Concen: 2.136 ng

RT: 14.521 min Scan# 1927

Delta R.T. -0.006 min

Lab File: BM041299.D

Acq: 04 Aug 2023 18:01

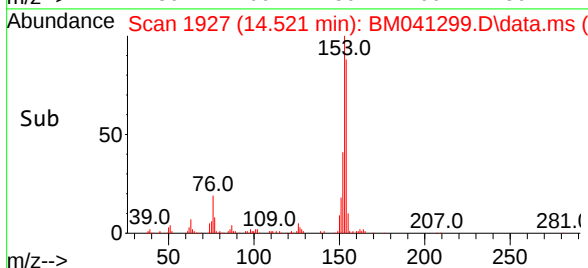
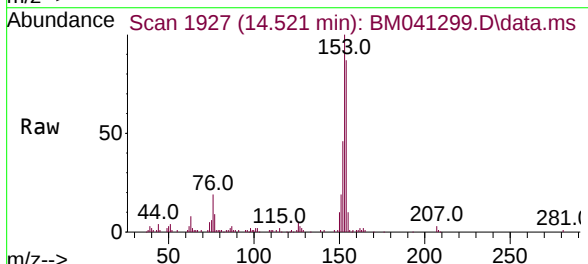
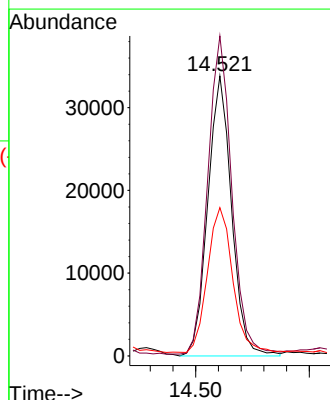
Tgt Ion:154 Resp: 49259

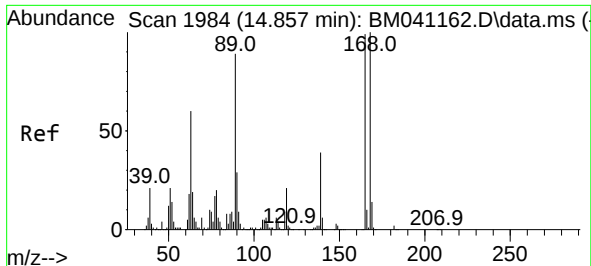
Ion Ratio Lower Upper

154 100

153 114.3 90.2 135.4

152 53.0 43.4 65.0

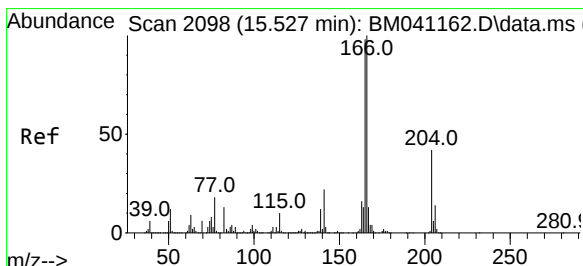
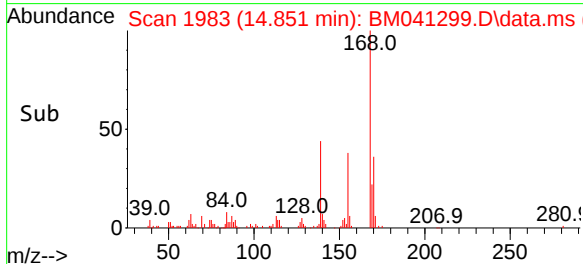
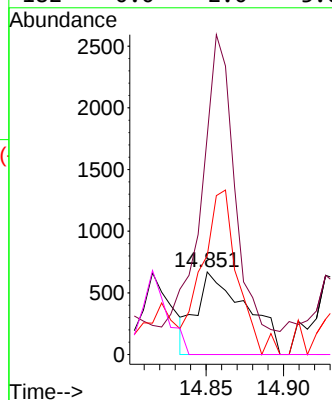
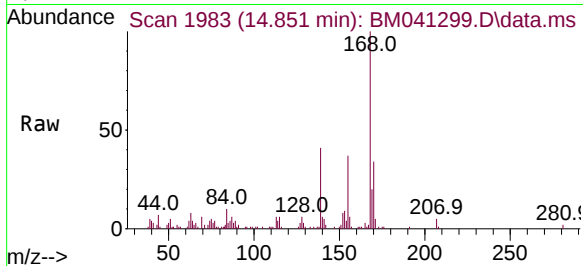




#57
2,4-Dinitrotoluene
Concen: 2.832 ng
RT: 14.851 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

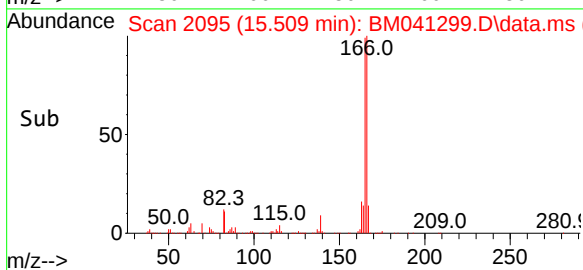
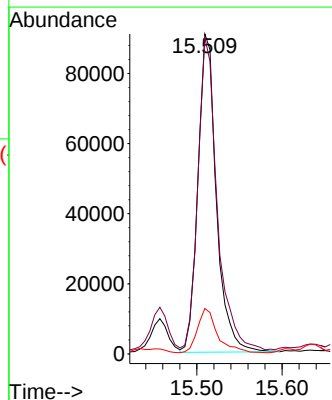
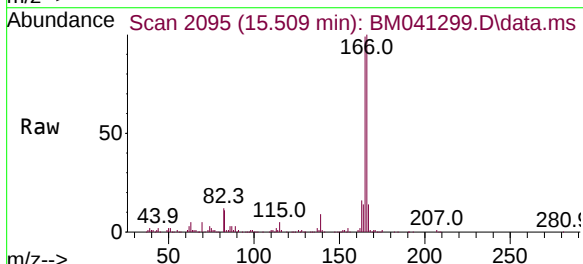
Instrument :
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BUILDING-A-1-(0-5)DL

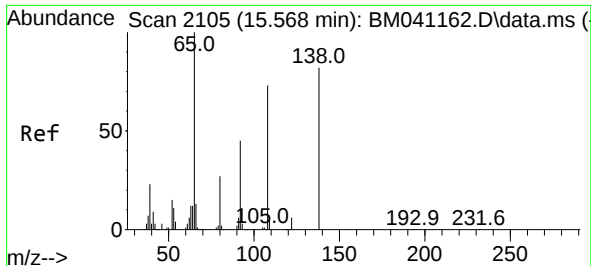
Tgt Ion:165 Resp: 1488
Ion Ratio Lower Upper
165 100
63 264.6 48.3 72.5#
89 119.7 71.8 107.8#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 4.615 ng
RT: 15.509 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

Tgt Ion:166 Resp: 137006
Ion Ratio Lower Upper
166 100
165 98.8 78.2 117.4
167 14.2 10.6 16.0

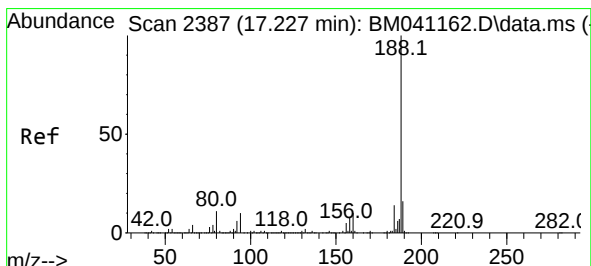
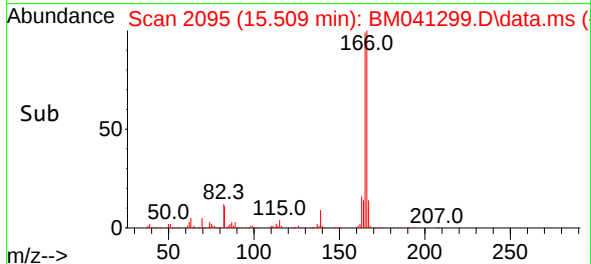
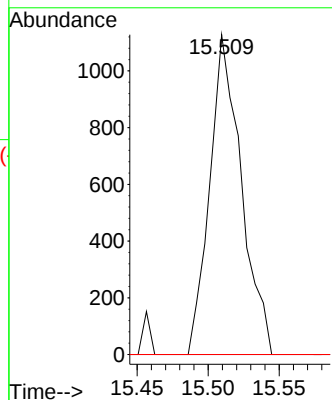
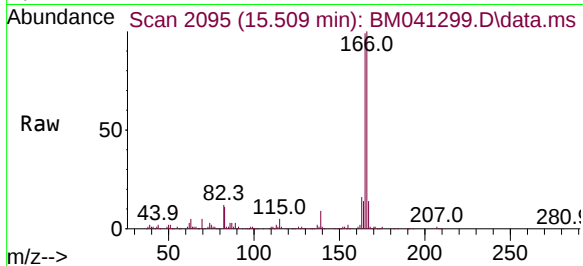




#62
4-Nitroaniline
Concen: 4.392 ng
RT: 15.509 min Scan# 2095
Delta R.T. -0.053 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

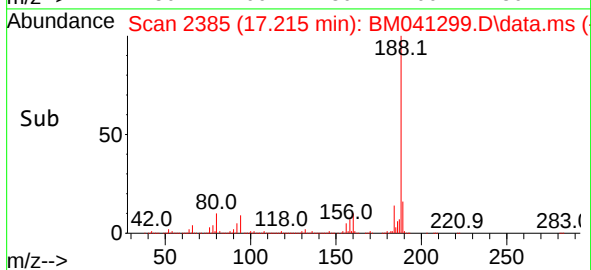
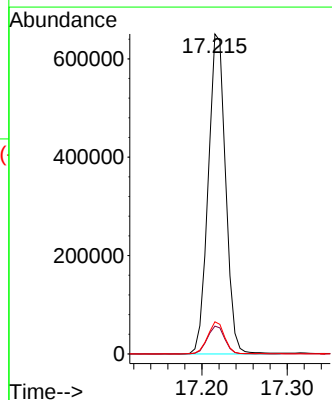
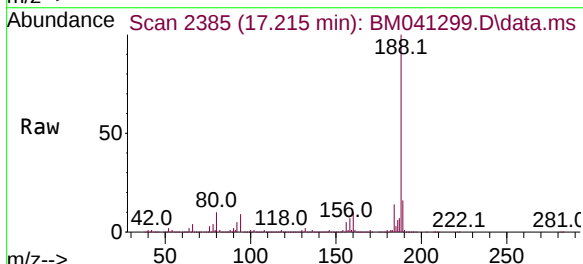
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-1-(0-5)DL

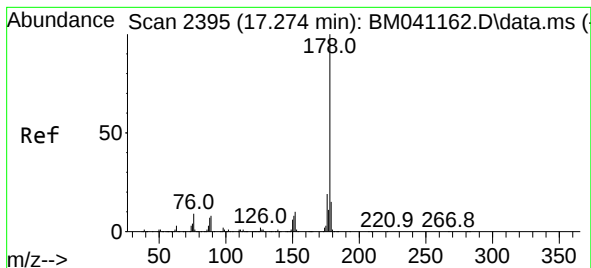
Tgt Ion:138 Resp: 1743
Ion Ratio Lower Upper
138 100
92 0.0 35.1 75.1#
108 0.0 67.8 107.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

Tgt Ion:188 Resp: 920988
Ion Ratio Lower Upper
188 100
94 8.7 8.2 12.2
80 10.0 8.6 13.0





#71

Phenanthrene

Concen: 18.134 ng

RT: 17.262 min Scan# 2393

Delta R.T. -0.006 min

Lab File: BM041299.D

Acq: 04 Aug 2023 18:01

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-1-(0-5)DL

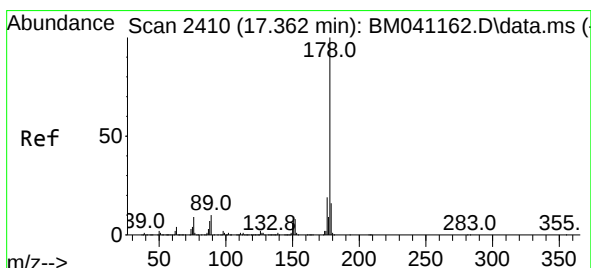
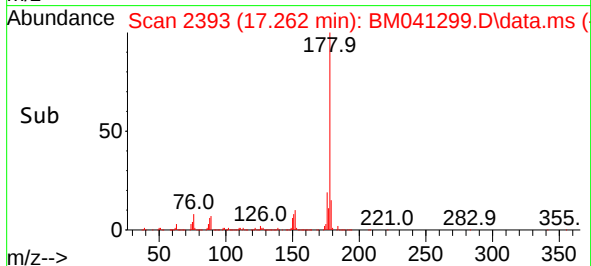
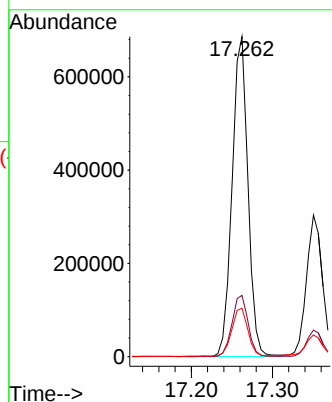
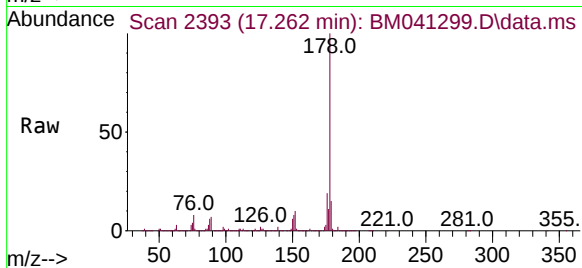
Tgt Ion:178 Resp: 927944

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

179 15.1 12.1 18.1



#72

Anthracene

Concen: 7.986 ng

RT: 17.351 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM041299.D

Acq: 04 Aug 2023 18:01

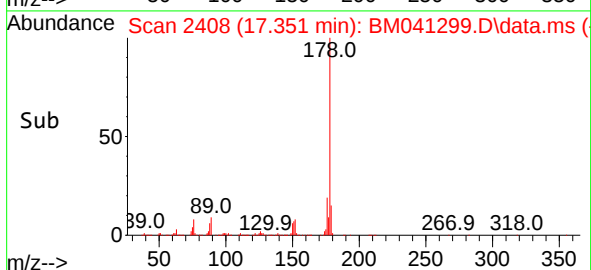
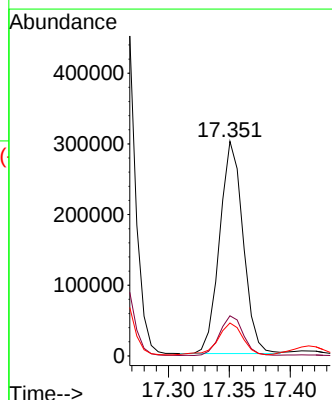
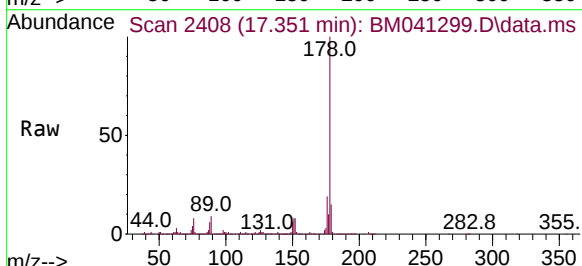
Tgt Ion:178 Resp: 404159

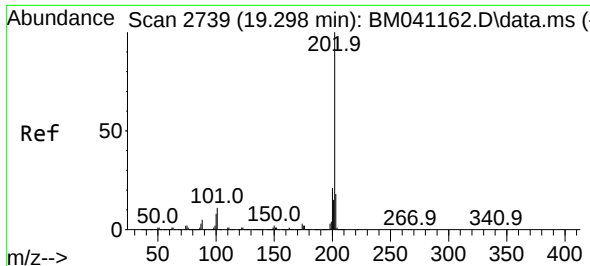
Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

179 15.3 12.4 18.6

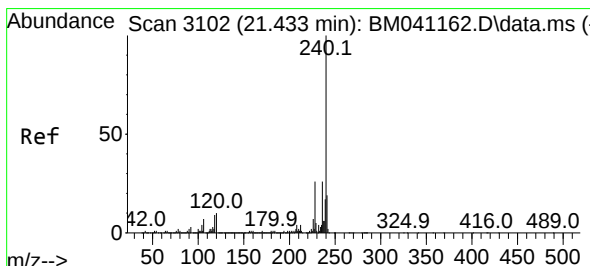
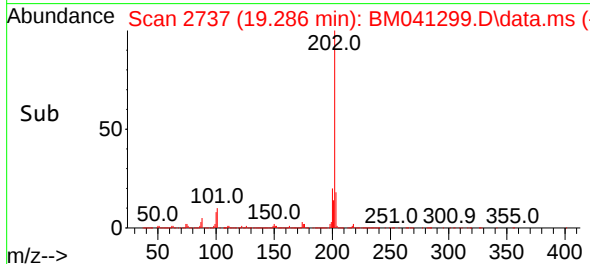
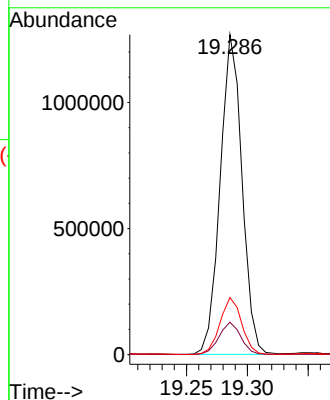
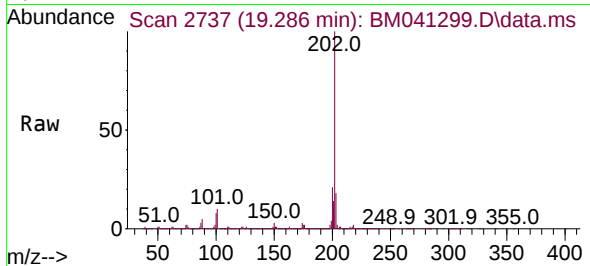




#75
Fluoranthene
Concen: 27.505 ng
RT: 19.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

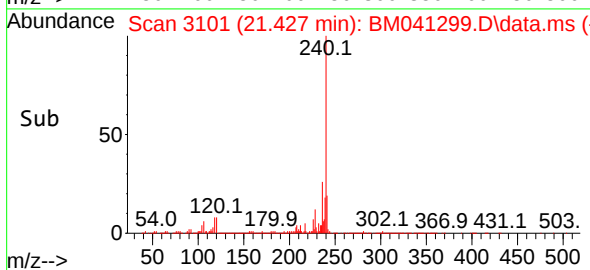
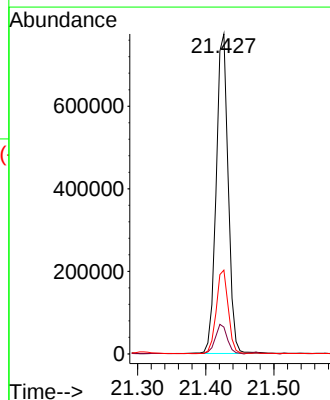
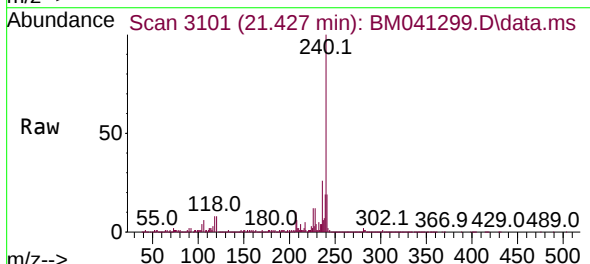
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-1-(0-5)DL

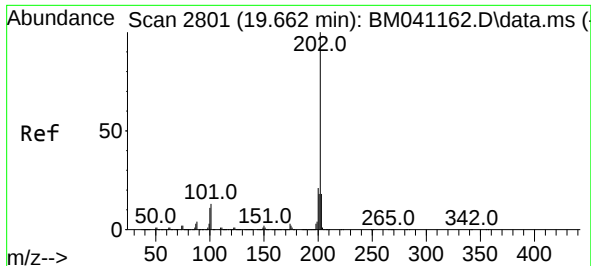
Tgt Ion:202 Resp: 1581265
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.8
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

Tgt Ion:240 Resp: 939772
Ion Ratio Lower Upper
240 100
120 8.4 8.3 12.5
236 26.2 20.6 30.8

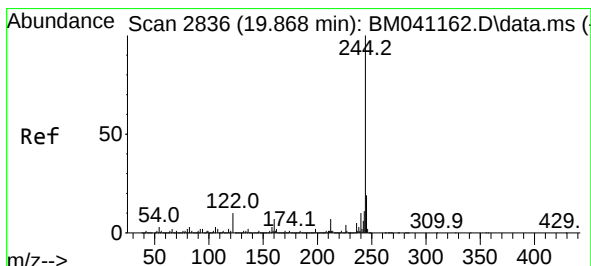
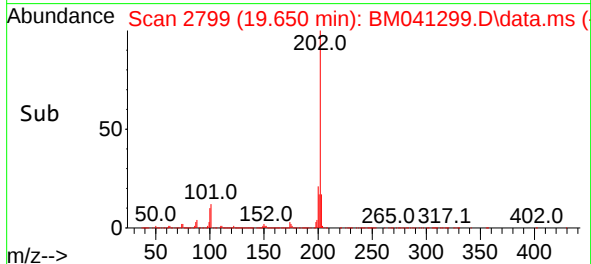
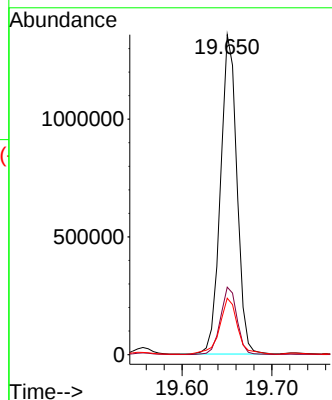
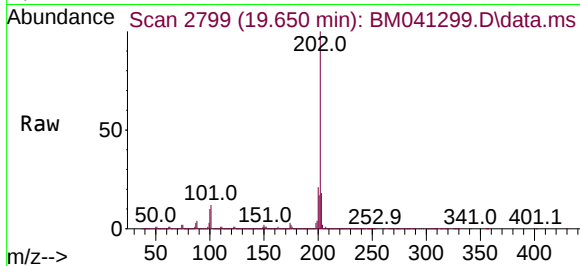




#78
Pyrene
Concen: 26.450 ng
RT: 19.650 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

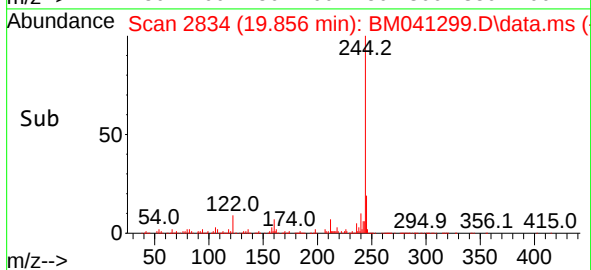
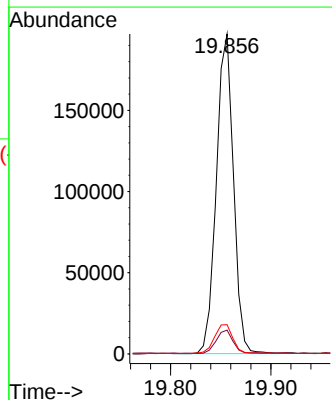
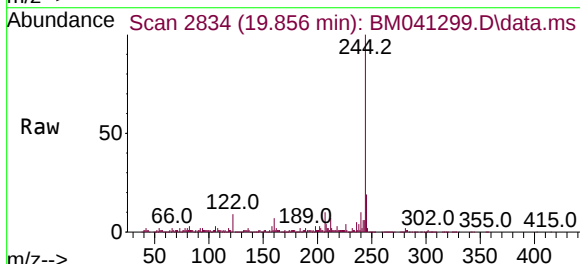
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-1-(0-5)DL

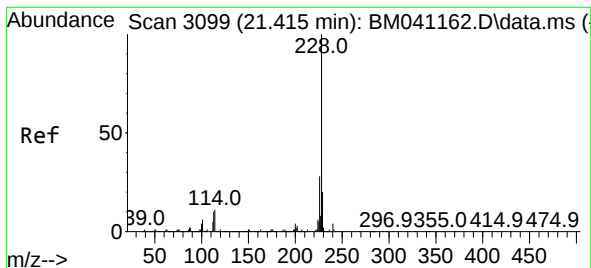
Tgt Ion:202 Resp: 1738294
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.6 14.1 21.1



#79
Terphenyl-d14
Concen: 4.487 ng
RT: 19.856 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BM041299.D
Acq: 04 Aug 2023 18:01

Tgt Ion:244 Resp: 233210
Ion Ratio Lower Upper
244 100
212 7.4 5.4 8.2
122 9.1 7.8 11.6





#81

Benzo(a)anthracene

Concen: 14.208 ng

RT: 21.409 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM041299.D

Acq: 04 Aug 2023 18:01

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-1-(0-5)DL

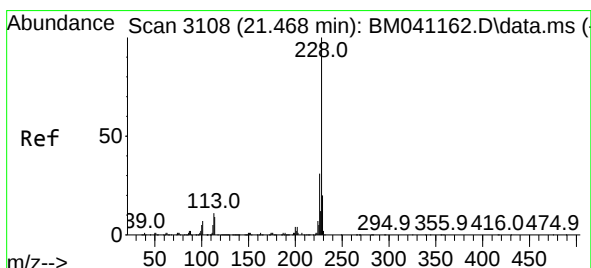
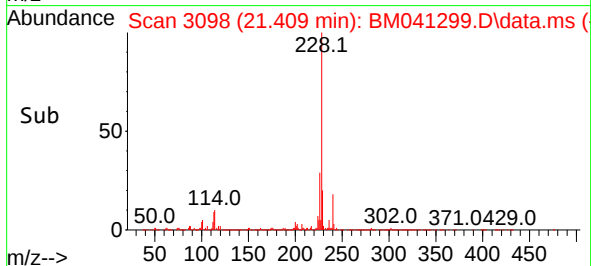
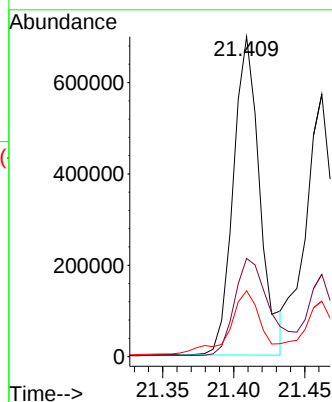
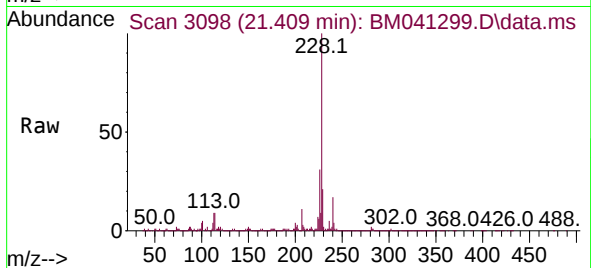
Tgt Ion:228 Resp: 905206

Ion Ratio Lower Upper

228 100

226 30.7 22.4 33.6

229 20.6 15.8 23.8



#83

Chrysene

Concen: 12.362 ng

RT: 21.462 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BM041299.D

Acq: 04 Aug 2023 18:01

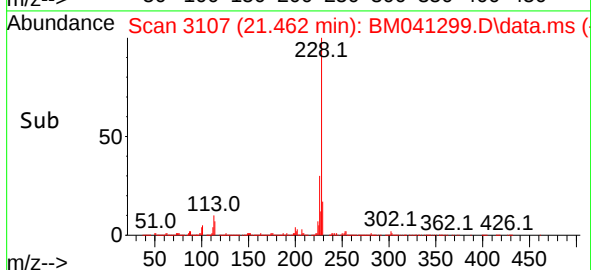
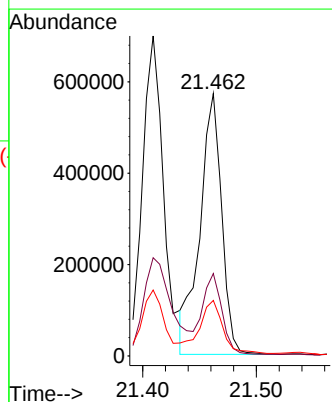
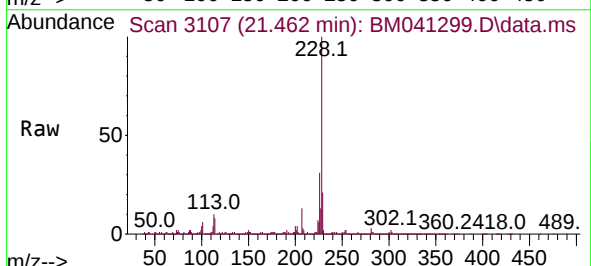
Tgt Ion:228 Resp: 761767

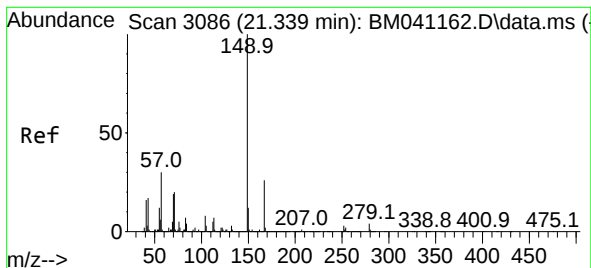
Ion Ratio Lower Upper

228 100

226 31.4 24.5 36.7

229 21.1 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.881 ng

RT: 21.333 min Scan# 30

Delta R.T. -0.000 min

Lab File: BM041299.D

Acq: 04 Aug 2023 18:01

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-1-(0-5)DL

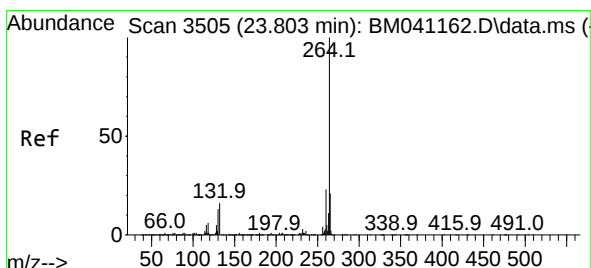
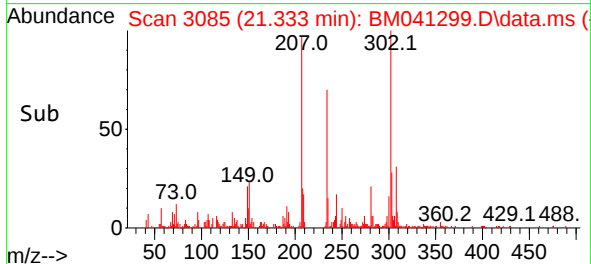
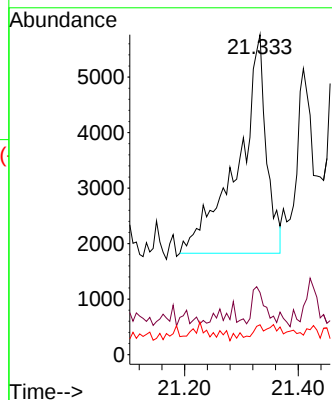
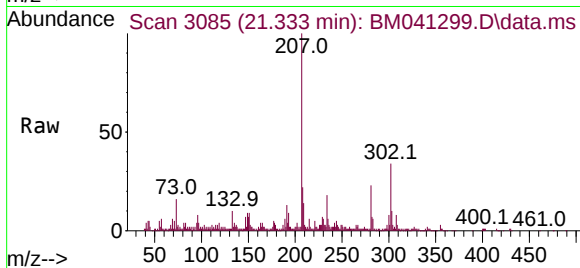
Tgt Ion:149 Resp: 13738

Ion Ratio Lower Upper

149 100

167 19.4 21.0 31.6#

279 9.3 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: BM041299.D

Acq: 04 Aug 2023 18:01

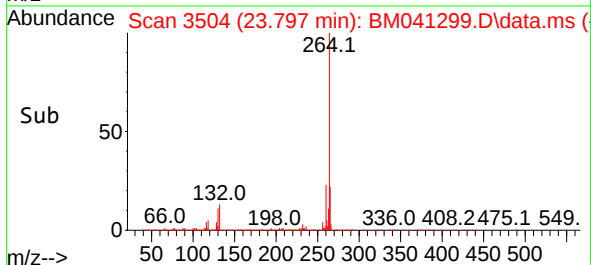
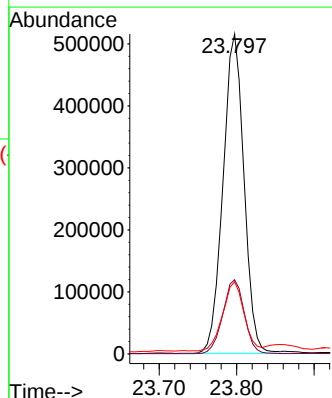
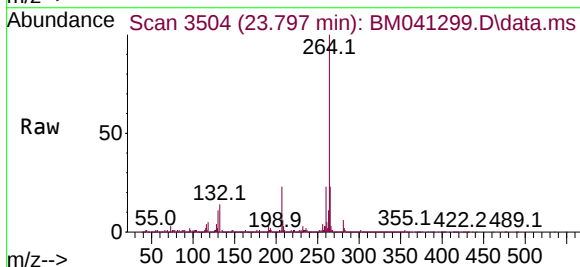
Tgt Ion:264 Resp: 969135

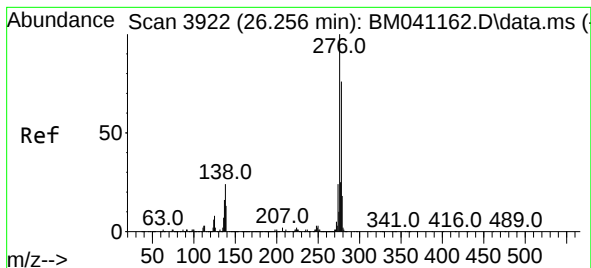
Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 22.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.425 ng

RT: 26.238 min Scan# 3919

Delta R.T. -0.024 min

Lab File: BM041299.D

Acq: 04 Aug 2023 18:01

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-1-(0-5)DL

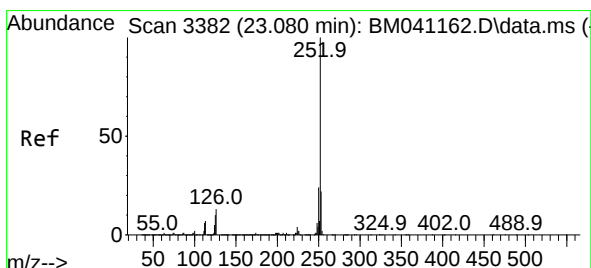
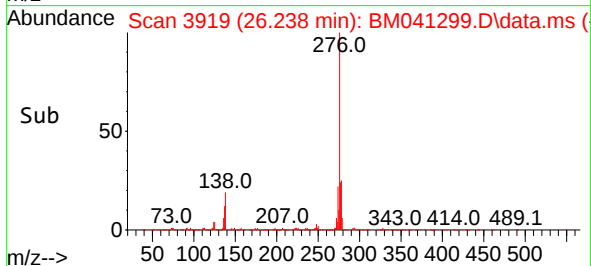
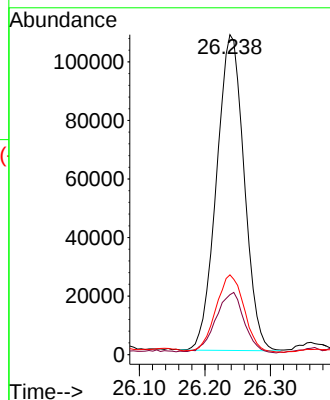
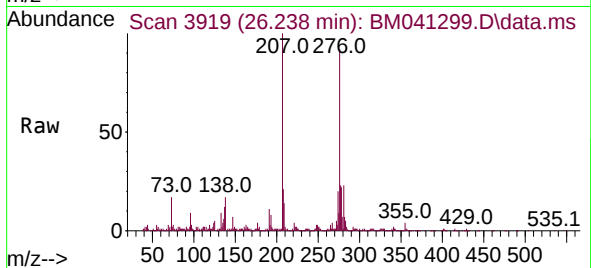
Tgt Ion:276 Resp: 315313

Ion Ratio Lower Upper

276 100

138 19.9 20.0 30.0#

277 25.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 14.163 ng

RT: 23.080 min Scan# 3382

Delta R.T. -0.006 min

Lab File: BM041299.D

Acq: 04 Aug 2023 18:01

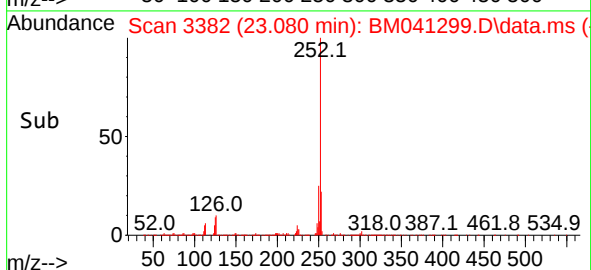
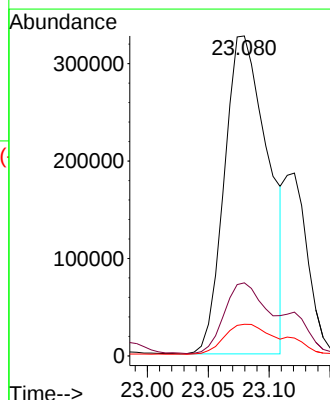
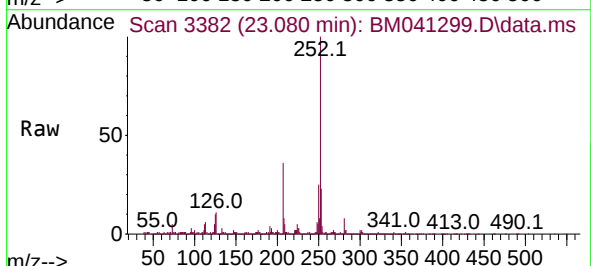
Tgt Ion:252 Resp: 815420

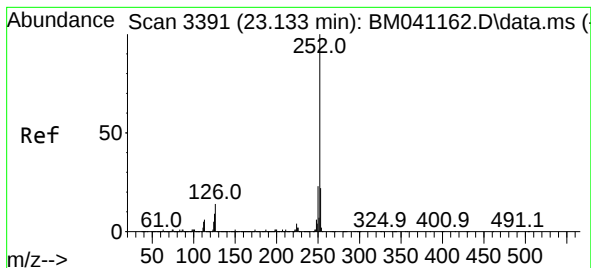
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 9.9 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 13.846 ng

RT: 23.080 min Scan# 3391

Delta R.T. -0.053 min

Lab File: BM041299.D

Acq: 04 Aug 2023 18:01

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-1-(0-5)DL

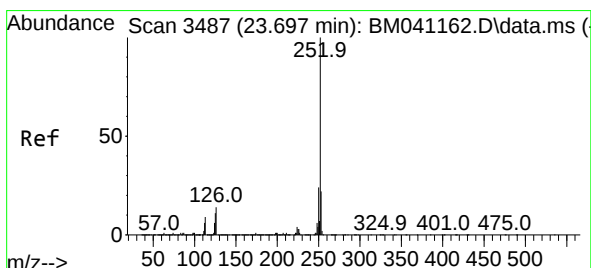
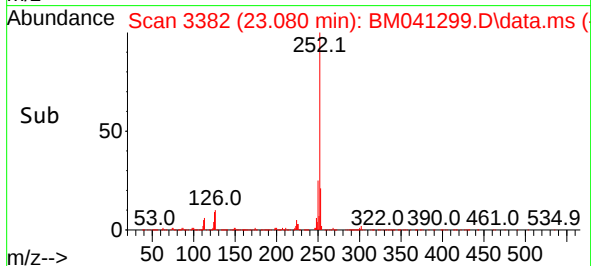
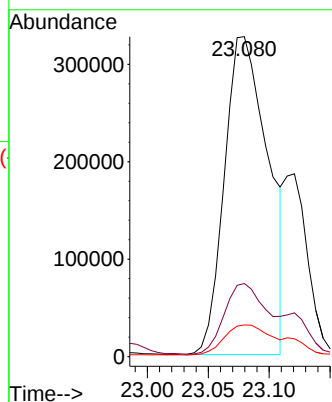
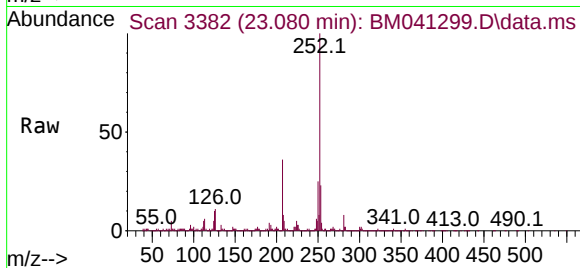
Tgt Ion:252 Resp: 815420

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 9.9 7.6 11.4



#90

Benzo(a)pyrene

Concen: 12.706 ng

RT: 23.691 min Scan# 3486

Delta R.T. -0.006 min

Lab File: BM041299.D

Acq: 04 Aug 2023 18:01

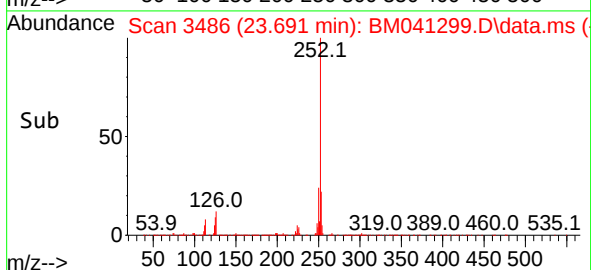
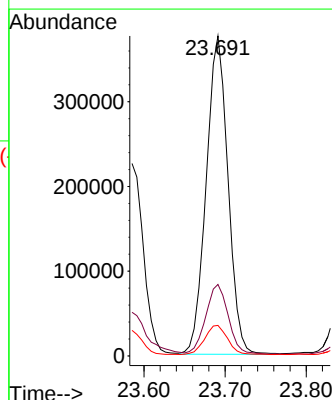
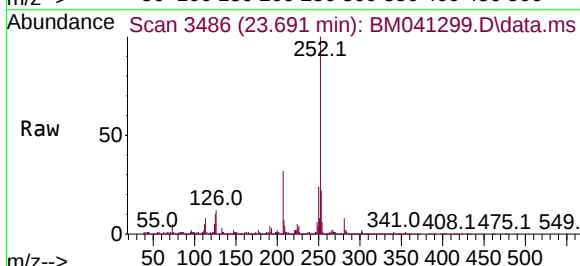
Tgt Ion:252 Resp: 702883

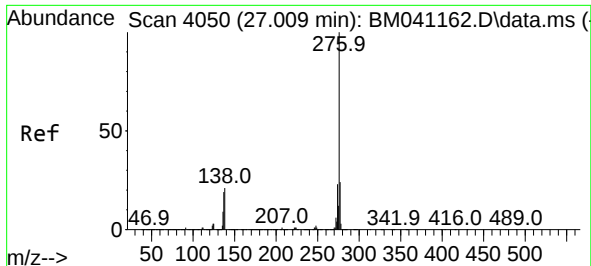
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

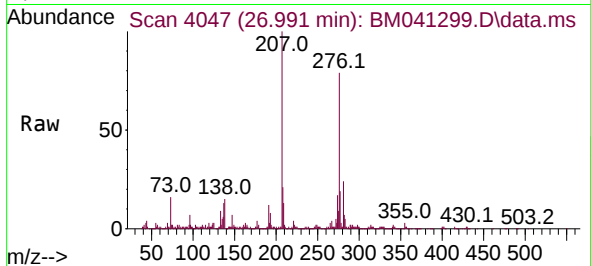
125 9.5 9.0 13.4





#92
 Benzo(g,h,i)perylene
 Concen: 5.300 ng
 RT: 26.991 min Scan# 40
 Delta R.T. -0.024 min
 Lab File: BM041299.D
 Acq: 04 Aug 2023 18:01

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-A-1-(0-5)DL



Tgt Ion:276 Resp: 308213

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	19.2	17.1	25.7

