

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
 Data File : BM041275.D
 Acq On : 03 Aug 2023 23:19
 Operator : MA/JU
 Sample : 03815-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-B-7-(0-5)

Quant Time: Aug 04 01:26:31 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

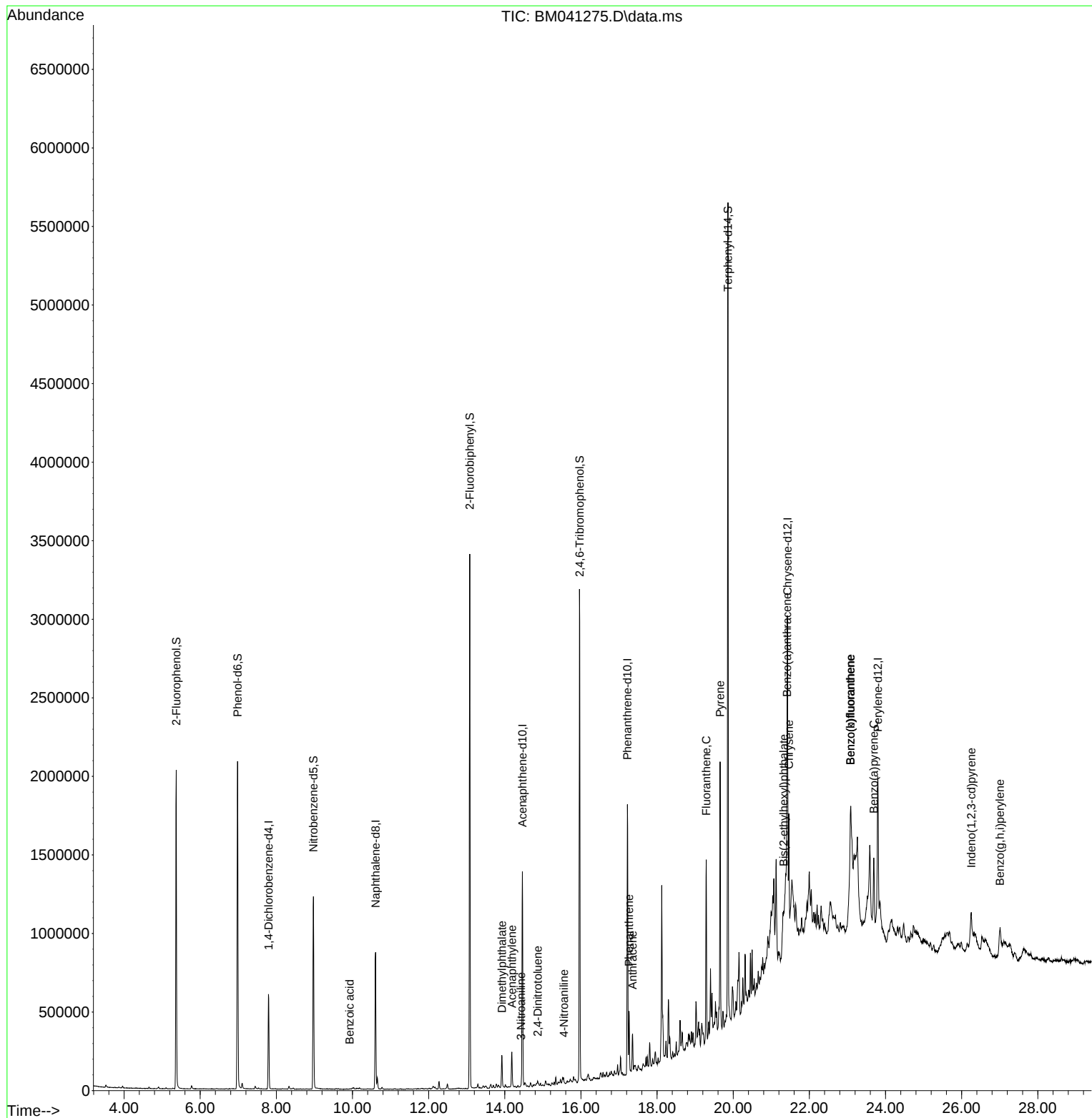
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	156805	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	693642	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	462724	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1003059	20.000	ng	0.00
76) Chrysene-d12	21.427	240	672009	20.000	ng	0.00
86) Perylene-d12	23.797	264	679155	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	840780	80.139	ng	0.00
7) Phenol-d6	6.981	99	1145214	84.210	ng	0.00
23) Nitrobenzene-d5	8.975	82	709524	47.569	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	581893	88.907	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	1636107	44.666	ng	0.00
79) Terphenyl-d14	19.862	244	2533071	68.153	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.928	122	326	7.191	ng	# 62
49) Acenaphthylene	14.186	152	172994	3.827	ng	99
50) Dimethylphthalate	13.927	163	108256	3.110	ng	98
53) 3-Nitroaniline	14.427	138	54	2.584	ng	# 1
57) 2,4-Dinitrotoluene	14.862	165	121	2.682	ng	# 54
62) 4-Nitroaniline	15.557	138	118	4.162	ng	# 13
71) Phenanthrene	17.262	178	212706	3.817	ng	99
72) Anthracene	17.356	178	149927	2.720	ng	100
75) Fluoranthene	19.292	202	619992	9.902	ng	99
78) Pyrene	19.656	202	969137	20.622	ng	100
81) Benzo(a)anthracene	21.409	228	399662	8.773	ng	93
83) Chrysene	21.462	228	377454	8.566	ng	97
84) Bis(2-ethylhexyl)phtha...	21.327	149	43750	4.060	ng	# 91
87) Indeno(1,2,3-cd)pyrene	26.250	276	179367	3.592	ng	# 93
88) Benzo(b)fluoranthene	23.080	252	469018	11.625	ng	97
89) Benzo(k)fluoranthene	23.080	252	469018	11.365	ng	# 95
90) Benzo(a)pyrene	23.691	252	329376	8.496	ng	98
92) Benzo(g,h,i)perylene	27.003	276	197631	4.850	ng	97

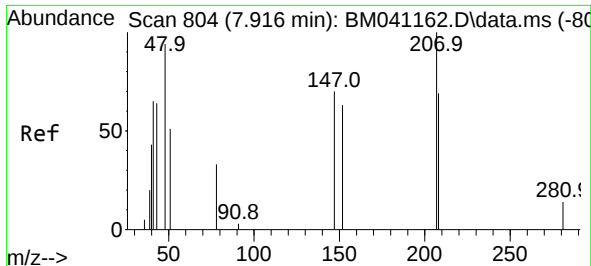
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041275.D
Acq On : 03 Aug 2023 23:19
Operator : MA/JU
Sample : 03815-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-7-(0-5)

Quant Time: Aug 04 01:26:31 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

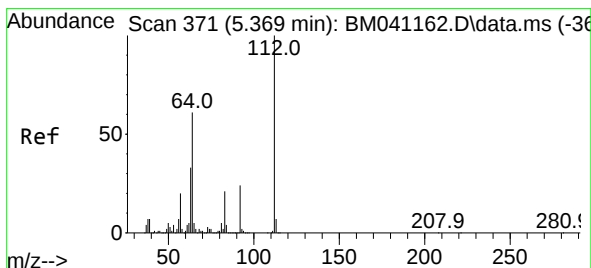
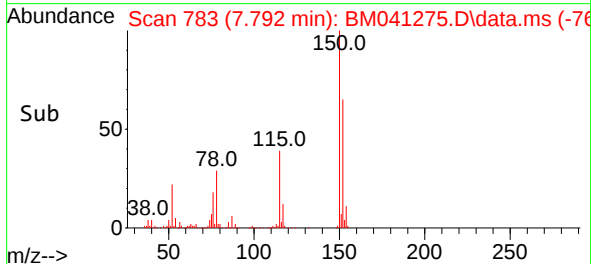
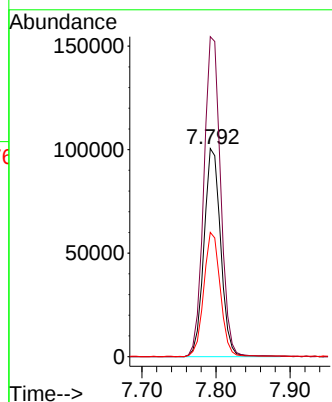
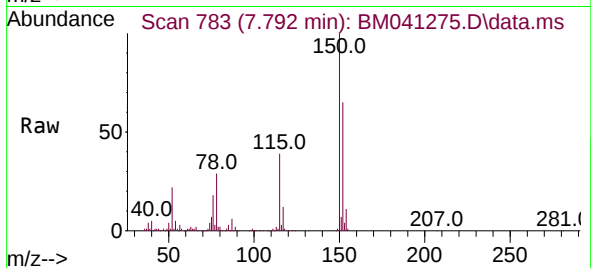




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 71
Delta R.T. -0.001 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

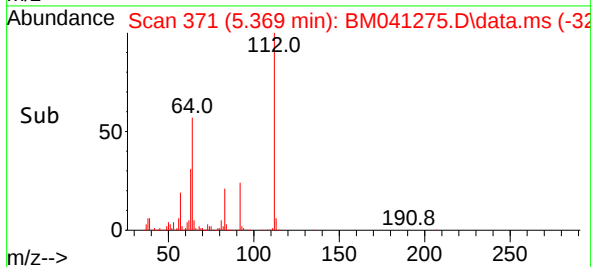
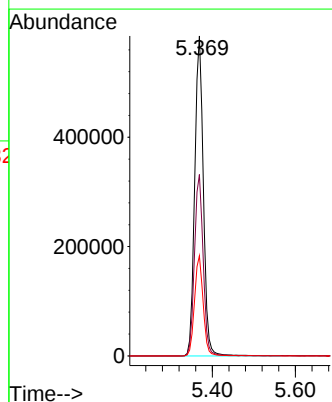
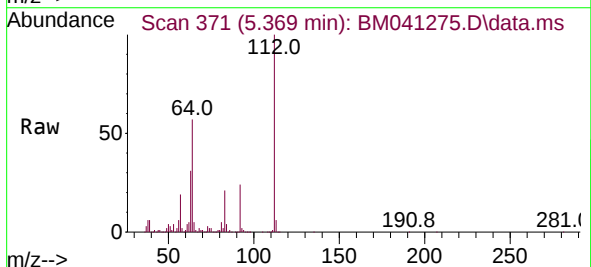
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-7-(0-5)

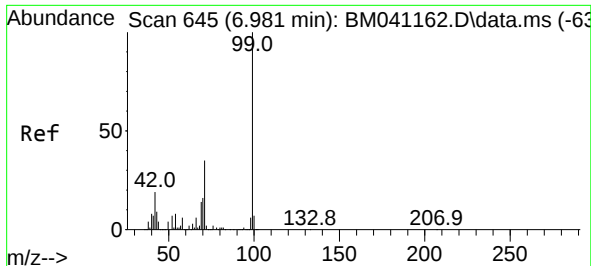
Tgt Ion:152 Resp: 156805
Ion Ratio Lower Upper
152 100
150 153.7 125.5 188.3
115 59.7 48.0 72.0



#5
2-Fluorophenol
Concen: 80.139 ng
RT: 5.369 min Scan# 371
Delta R.T. -0.000 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

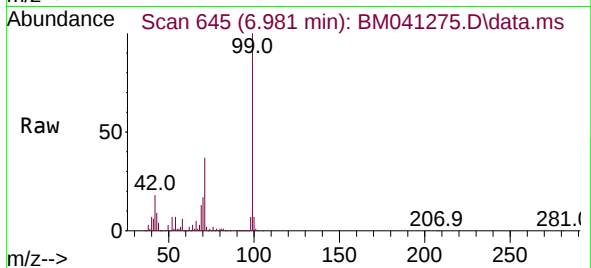
Tgt Ion:112 Resp: 840780
Ion Ratio Lower Upper
112 100
64 56.7 48.5 72.7
63 31.3 26.5 39.7





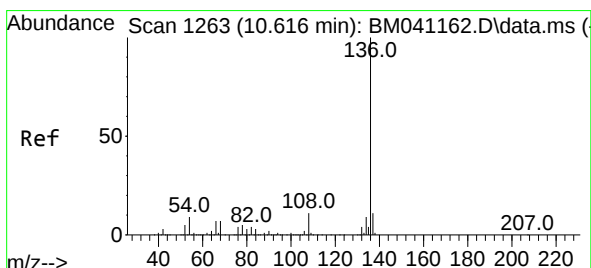
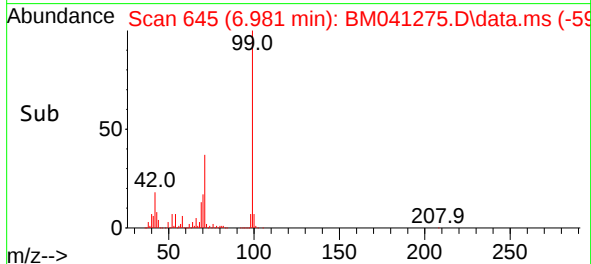
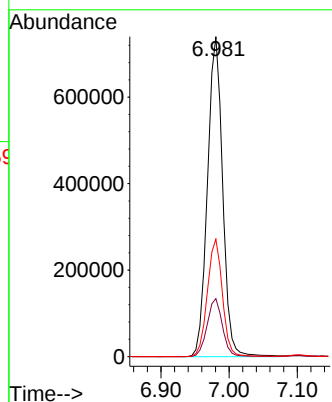
#7
Phenol-d6
Concen: 84.210 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-7-(0-5)



Tgt Ion: 99 Resp: 1145214

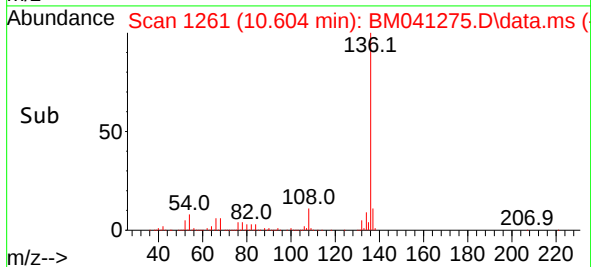
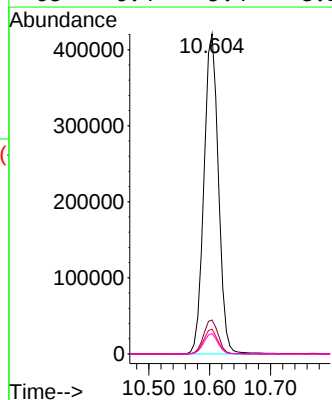
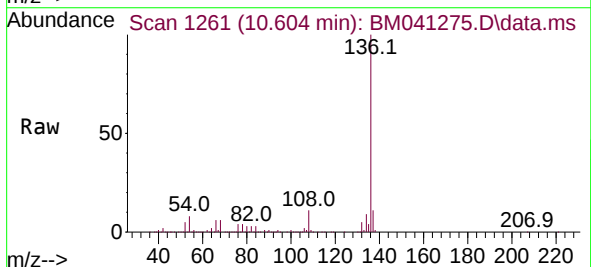
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.4	23.0
71	36.7	28.2	42.4

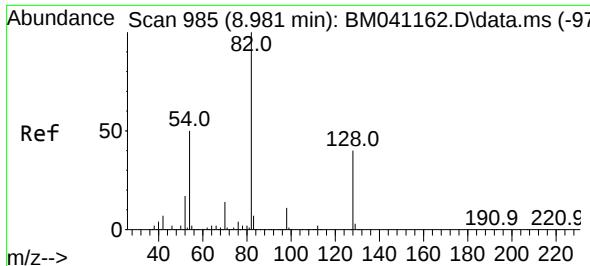


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

Tgt Ion: 136 Resp: 693642

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.7	6.9	10.3
68	6.4	5.4	8.2

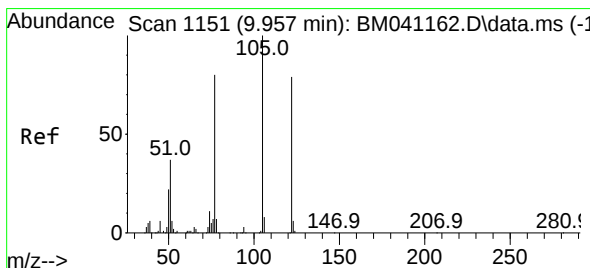
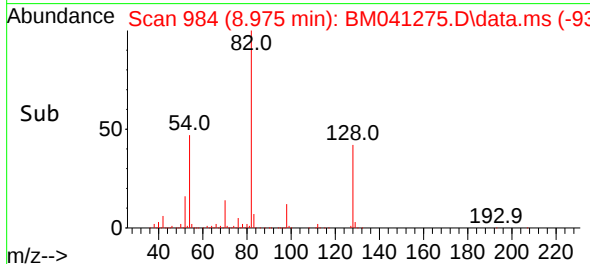
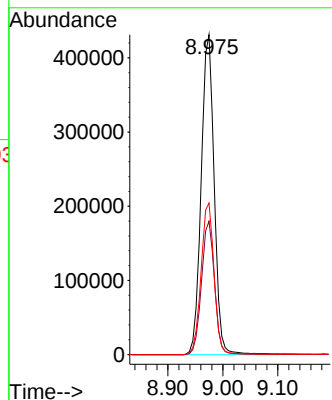
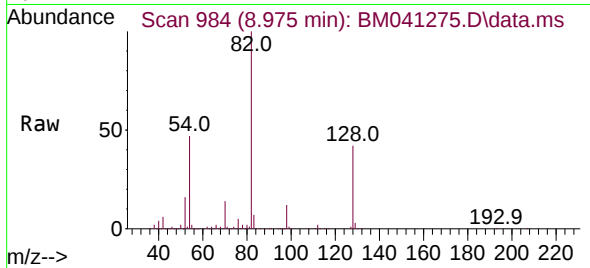




#23
Nitrobenzene-d5
Concen: 47.569 ng
RT: 8.975 min Scan# 985
Delta R.T. -0.000 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

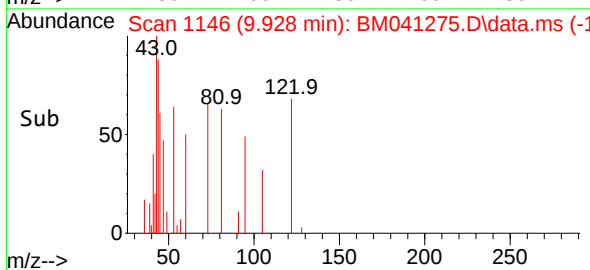
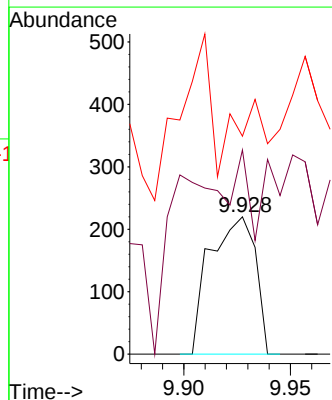
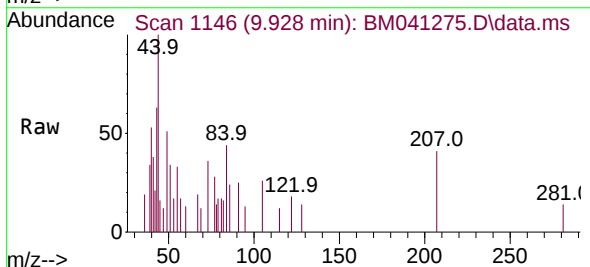
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-7-(0-5)

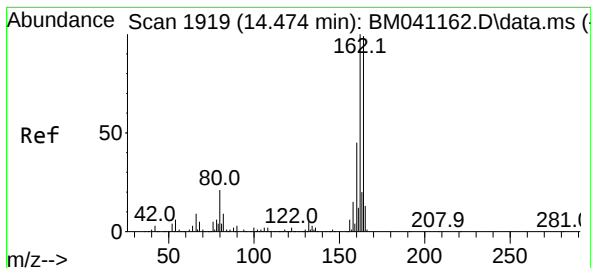
Tgt Ion: 82 Resp: 709524
Ion Ratio Lower Upper
82 100
128 41.7 31.8 47.6
54 47.4 40.1 60.1



#32
Benzoic acid
Concen: 7.191 ng
RT: 9.928 min Scan# 1146
Delta R.T. -0.030 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

Tgt Ion: 122 Resp: 326
Ion Ratio Lower Upper
122 100
105 148.6 104.0 144.0#
77 158.6 79.9 119.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1919

Delta R.T. -0.000 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-7-(0-5)

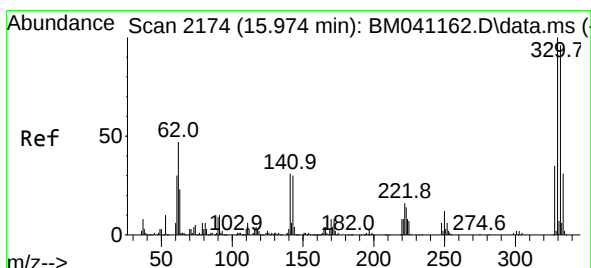
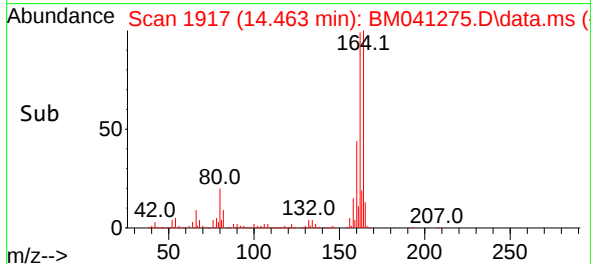
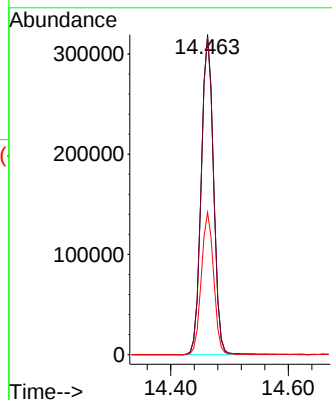
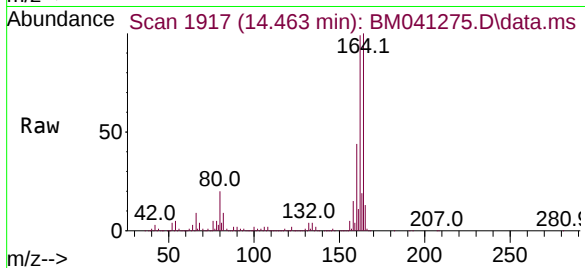
Tgt Ion:164 Resp: 462724

Ion Ratio Lower Upper

164 100

162 99.3 80.4 120.6

160 44.4 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 88.907 ng

RT: 15.968 min Scan# 2173

Delta R.T. -0.000 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

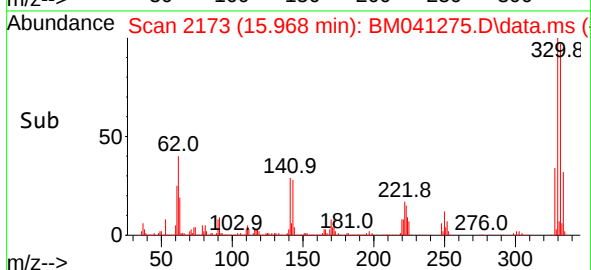
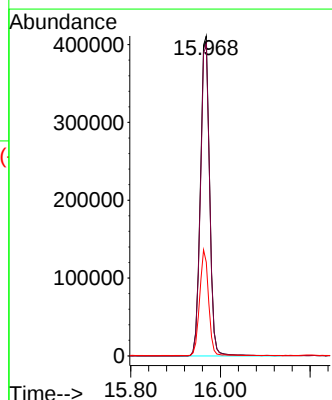
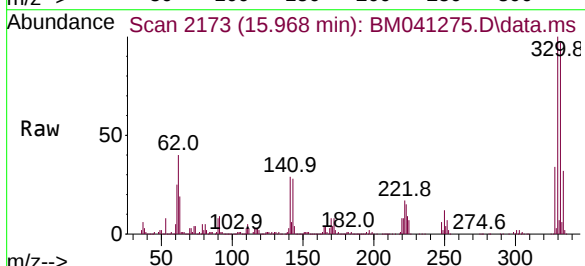
Tgt Ion:330 Resp: 581893

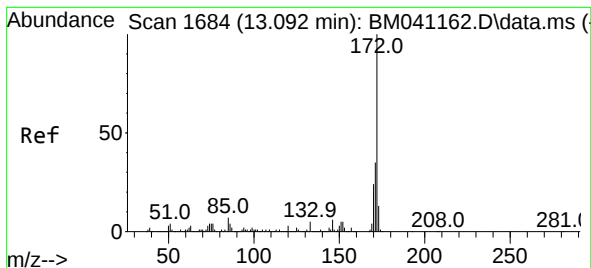
Ion Ratio Lower Upper

330 100

332 97.2 77.7 116.5

141 32.3 28.3 42.5





#45

2-Fluorobiphenyl

Concen: 44.666 ng

RT: 13.080 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-7-(0-5)

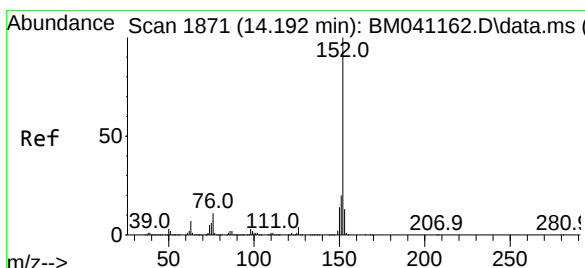
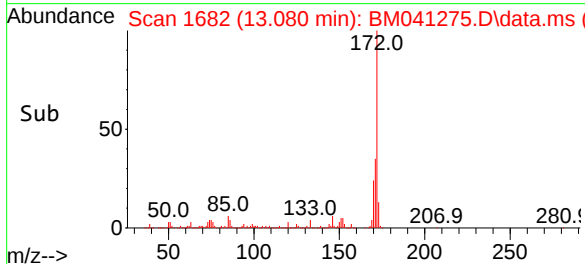
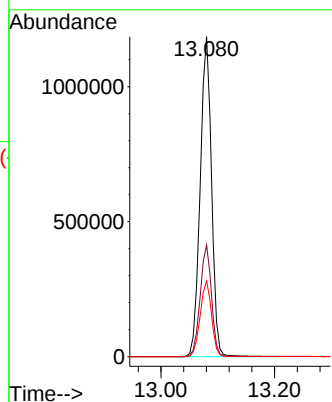
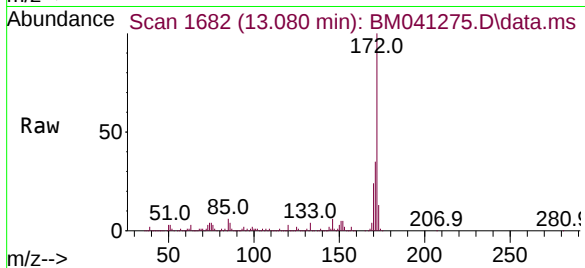
Tgt Ion:172 Resp: 1636107

Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 23.6 18.9 28.3



#49

Acenaphthylene

Concen: 3.827 ng

RT: 14.186 min Scan# 1870

Delta R.T. -0.000 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

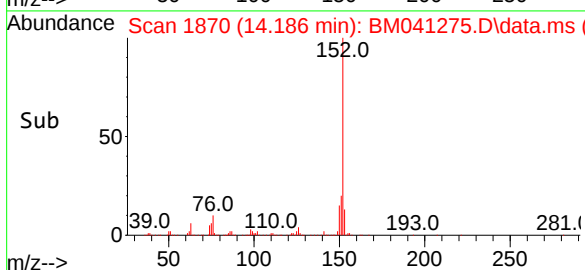
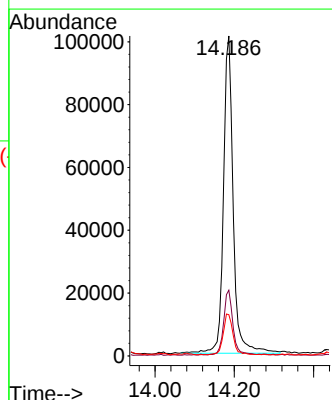
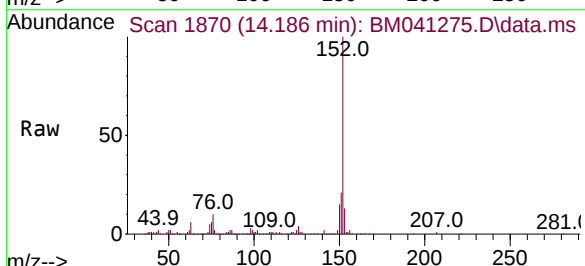
Tgt Ion:152 Resp: 172994

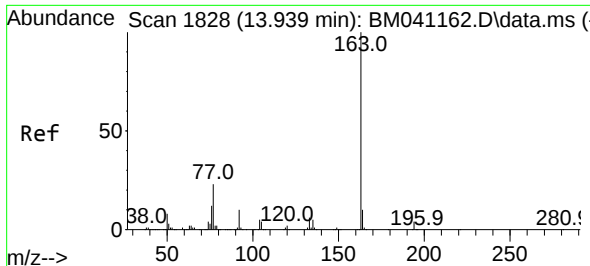
Ion Ratio Lower Upper

152 100

151 20.5 16.1 24.1

153 12.9 10.5 15.7

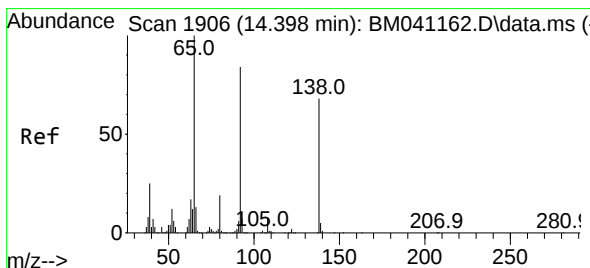
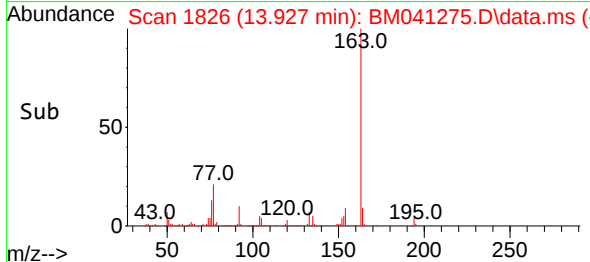
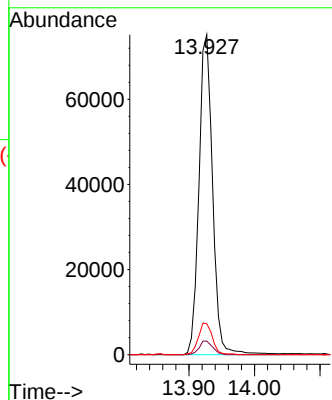
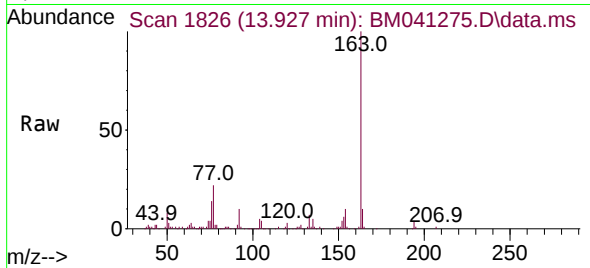




#50
Dimethylphthalate
Concen: 3.110 ng
RT: 13.927 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

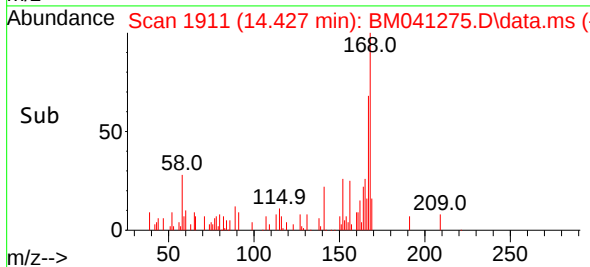
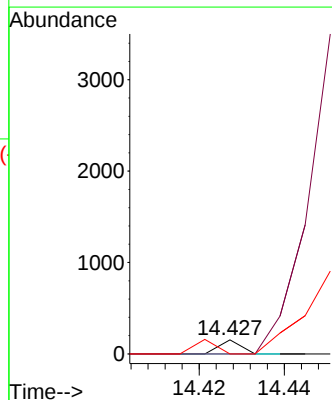
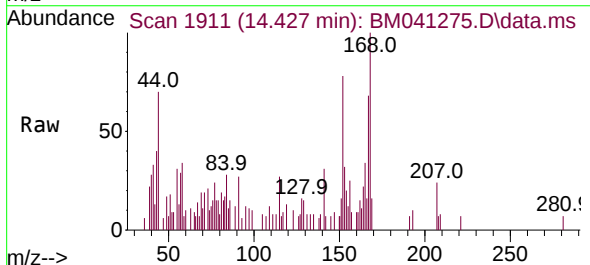
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-7-(0-5)

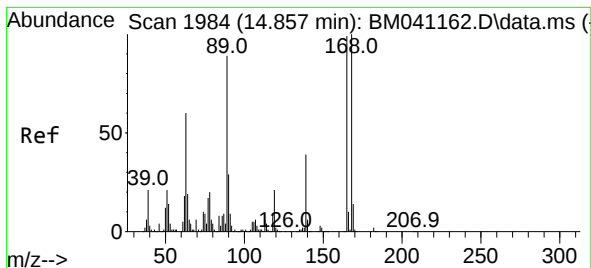
Tgt Ion:163 Resp: 108256
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 9.6 8.3 12.5



#53
3-Nitroaniline
Concen: 2.584 ng
RT: 14.427 min Scan# 1911
Delta R.T. 0.035 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

Tgt Ion:138 Resp: 54
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: 2.682 ng

RT: 14.862 min Scan# 1984

Delta R.T. 0.006 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-7-(0-5)

Tgt Ion:165 Resp: 121

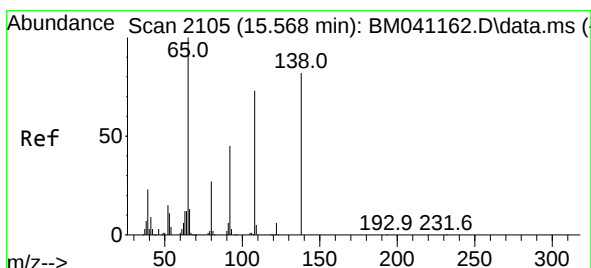
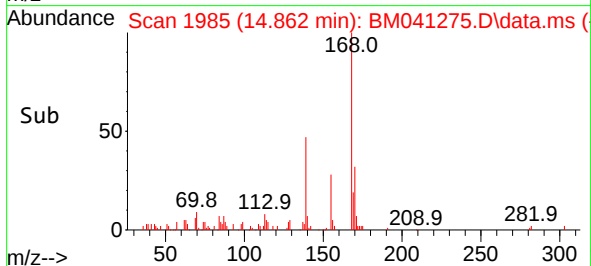
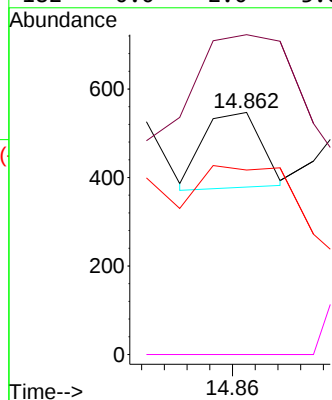
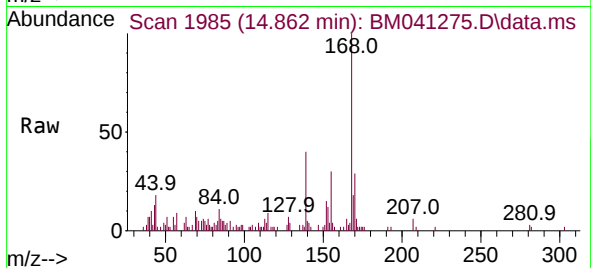
Ion Ratio Lower Upper

165 100

63 132.2 48.3 72.5#

89 76.2 71.8 107.8

182 0.0 2.0 3.0#



#62

4-Nitroaniline

Concen: 4.162 ng

RT: 15.557 min Scan# 2103

Delta R.T. -0.006 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

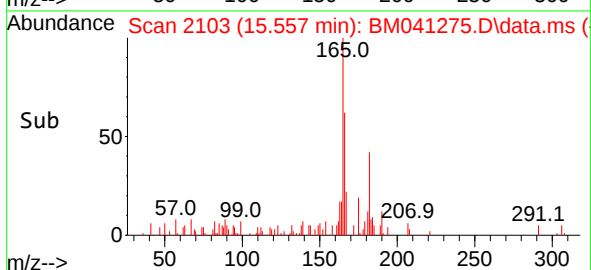
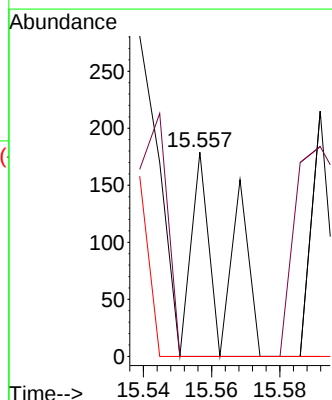
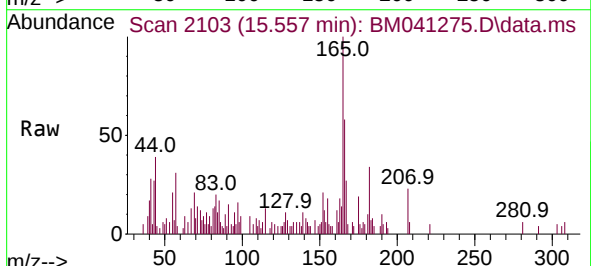
Tgt Ion:138 Resp: 118

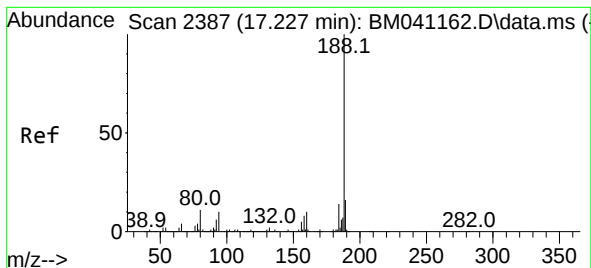
Ion Ratio Lower Upper

138 100

92 0.0 35.1 75.1#

108 0.0 67.8 107.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 2386

Delta R.T. -0.000 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-7-(0-5)

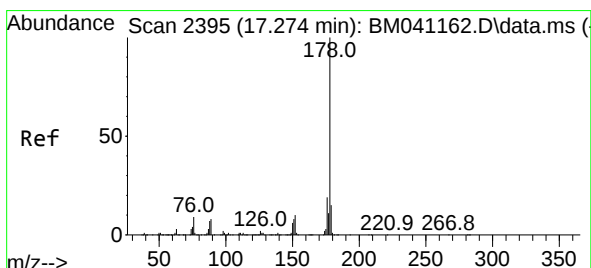
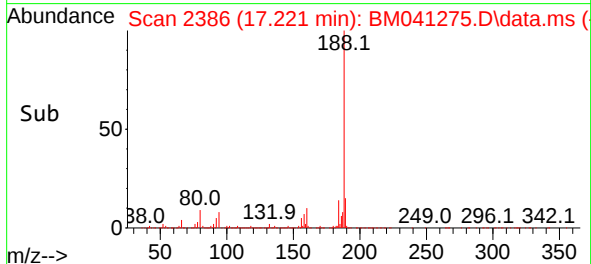
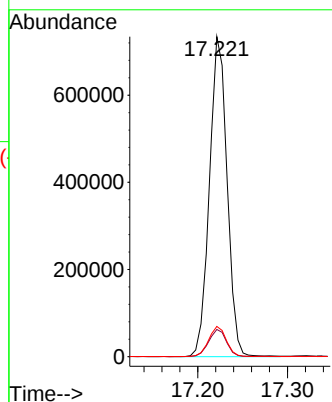
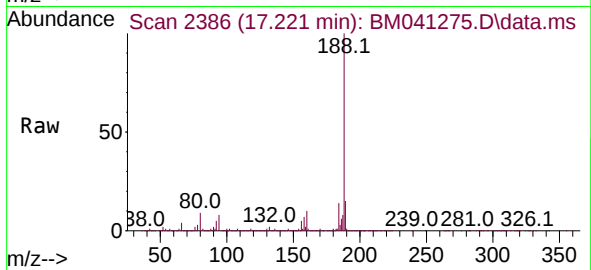
Tgt Ion:188 Resp: 1003059

Ion Ratio Lower Upper

188 100

94 8.5 8.2 12.2

80 9.4 8.6 13.0



#71

Phenanthrene

Concen: 3.817 ng

RT: 17.262 min Scan# 2393

Delta R.T. -0.006 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

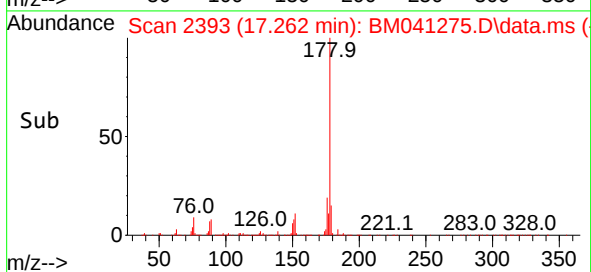
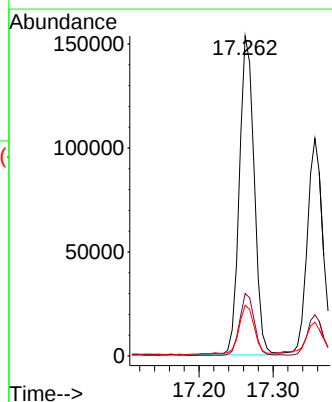
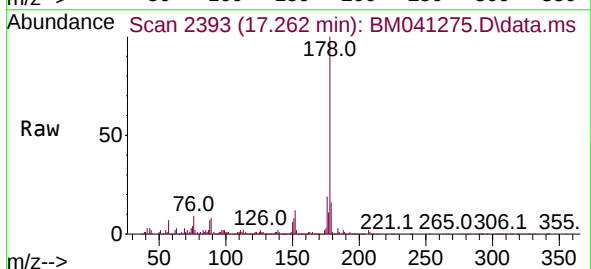
Tgt Ion:178 Resp: 212706

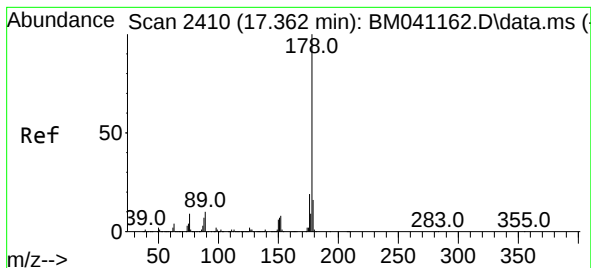
Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 15.8 12.1 18.1





#72

Anthracene

Concen: 2.720 ng

RT: 17.356 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-7-(0-5)

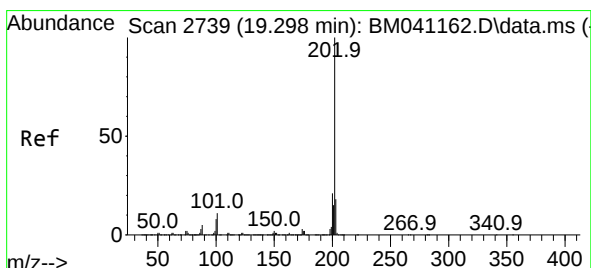
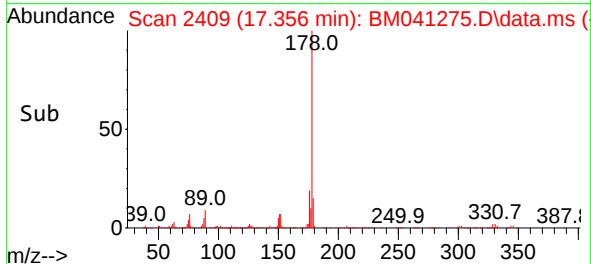
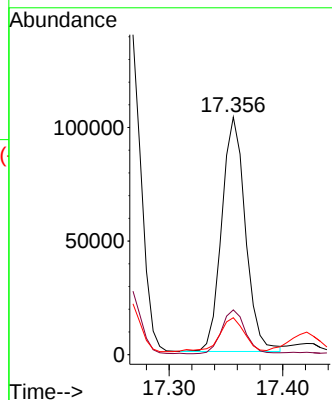
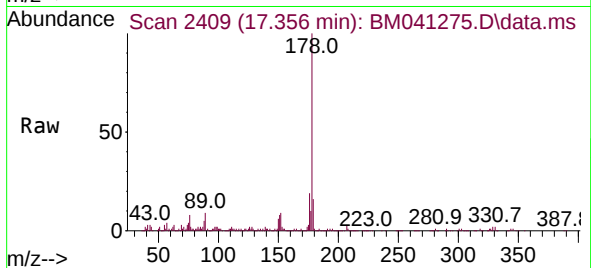
Tgt Ion:178 Resp: 149927

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

179 15.5 12.4 18.6



#75

Fluoranthene

Concen: 9.902 ng

RT: 19.292 min Scan# 2738

Delta R.T. -0.000 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

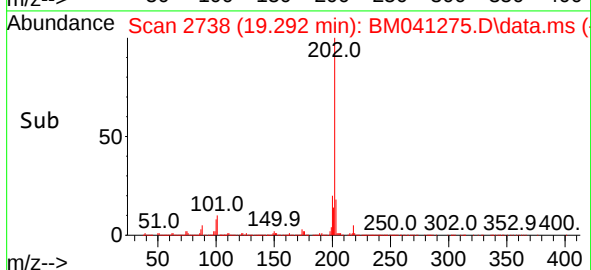
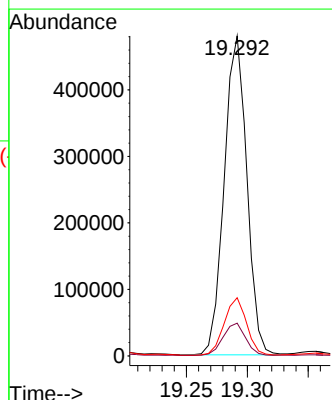
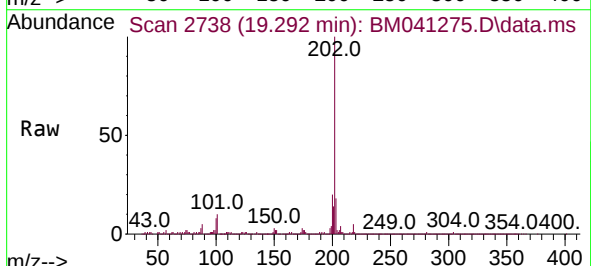
Tgt Ion:202 Resp: 619992

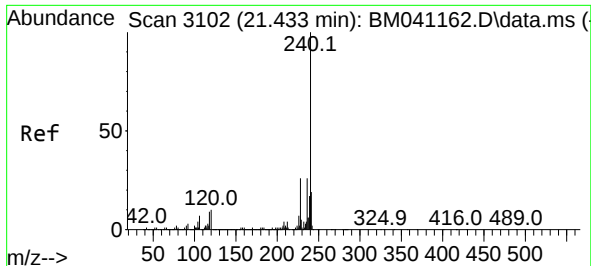
Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.8

203 18.2 0.0 37.6

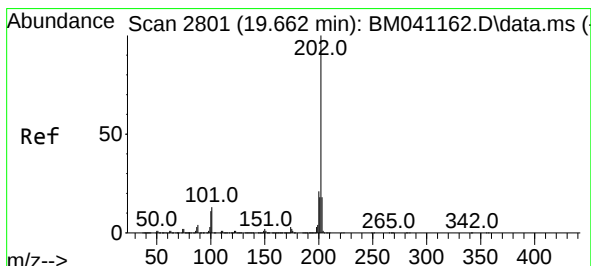
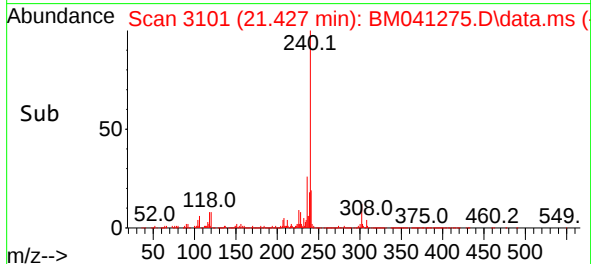
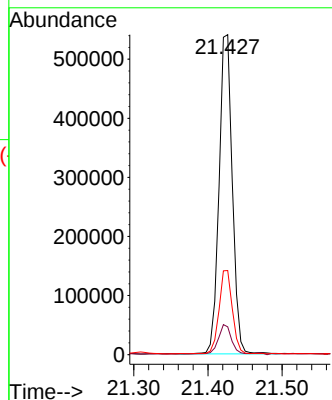
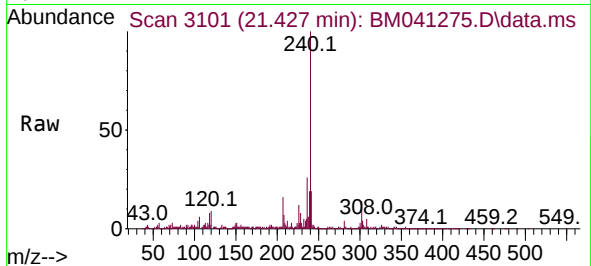




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

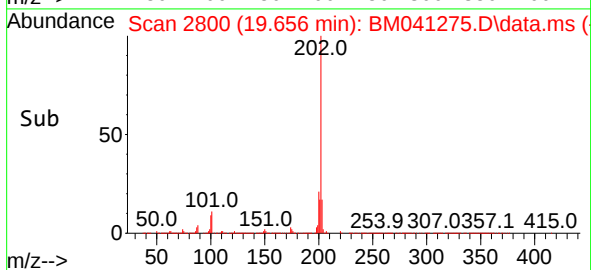
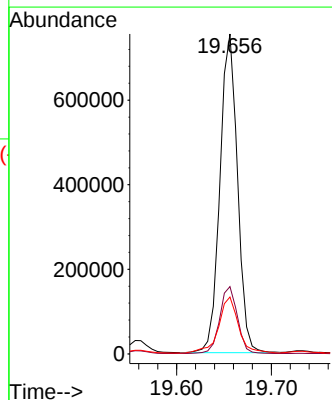
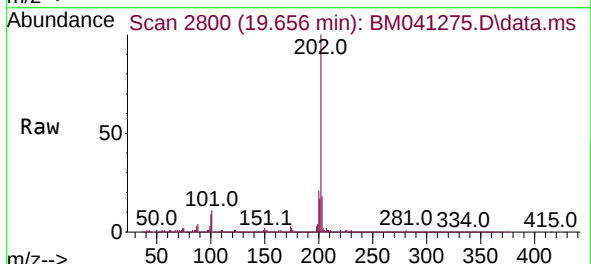
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-7-(0-5)

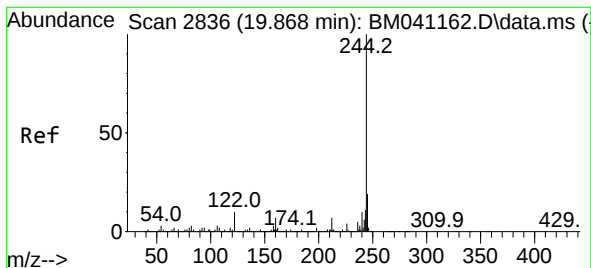
Tgt Ion:240 Resp: 672009
Ion Ratio Lower Upper
240 100
120 8.7 8.3 12.5
236 26.3 20.6 30.8



#78
Pyrene
Concen: 20.622 ng
RT: 19.656 min Scan# 2800
Delta R.T. -0.000 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

Tgt Ion:202 Resp: 969137
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 68.153 ng

RT: 19.862 min Scan# 2836

Delta R.T. -0.000 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-7-(0-5)

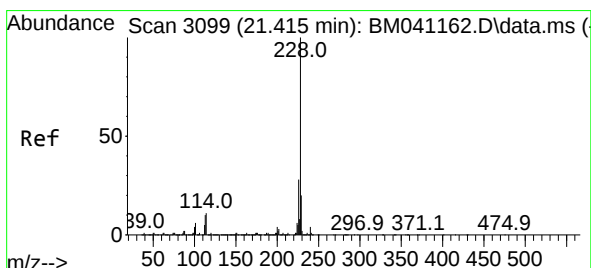
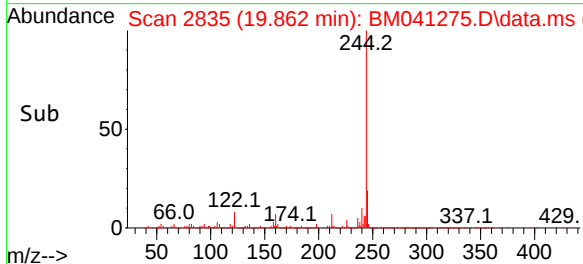
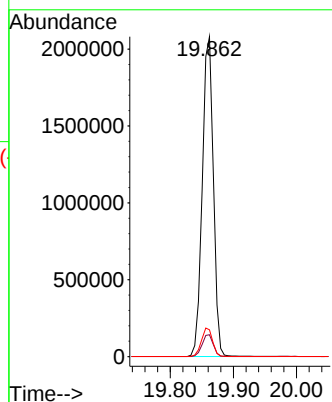
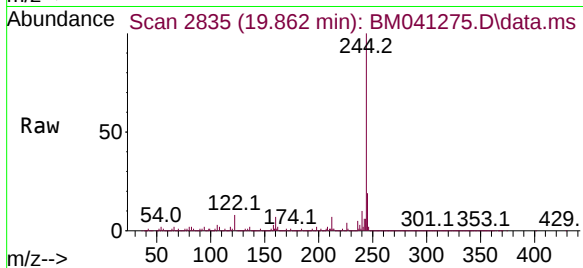
Tgt Ion:244 Resp: 2533071

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 8.4 7.8 11.6



#81

Benzo(a)anthracene

Concen: 8.773 ng

RT: 21.409 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

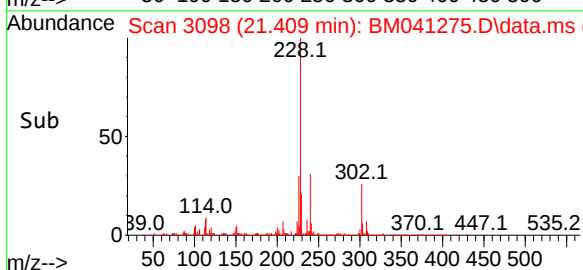
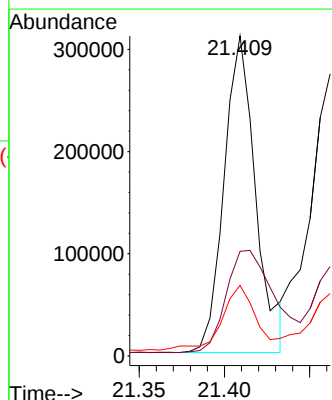
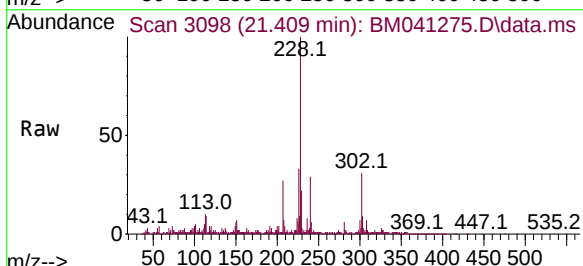
Tgt Ion:228 Resp: 399662

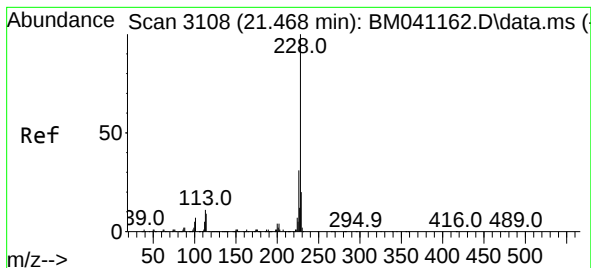
Ion Ratio Lower Upper

228 100

226 32.7 22.4 33.6

229 22.0 15.8 23.8





#83

Chrysene

Concen: 8.566 ng

RT: 21.462 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-7-(0-5)

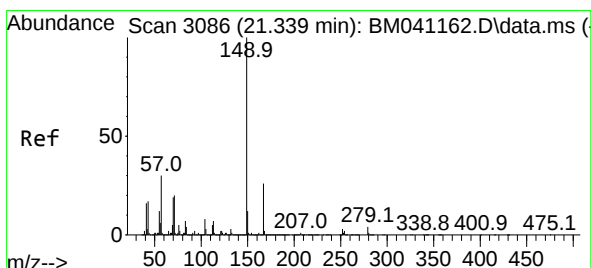
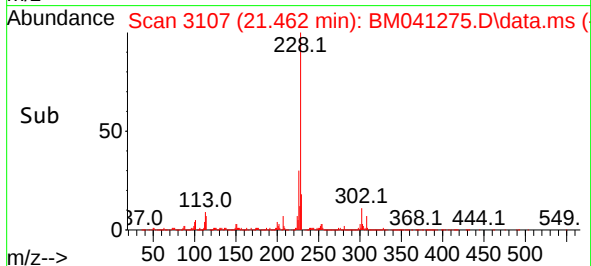
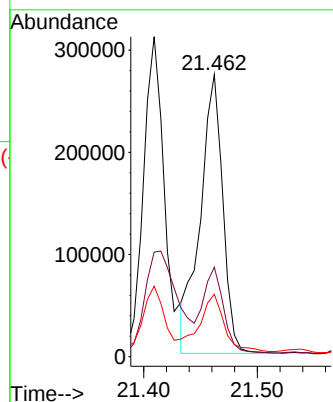
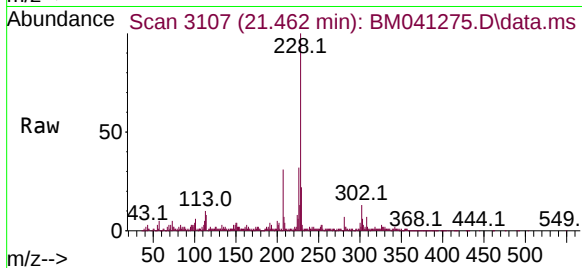
Tgt Ion:228 Resp: 377454

Ion Ratio Lower Upper

228 100

226 31.7 24.5 36.7

229 22.1 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.060 ng

RT: 21.327 min Scan# 3084

Delta R.T. -0.006 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

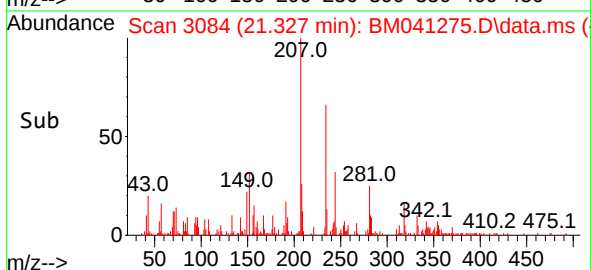
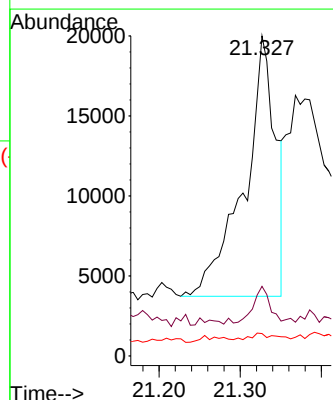
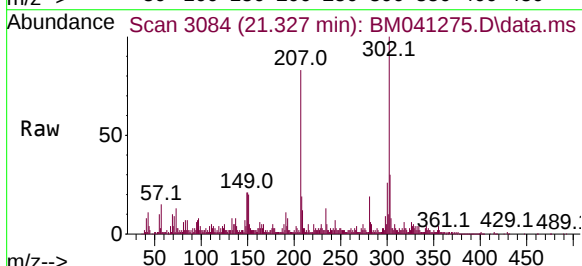
Tgt Ion:149 Resp: 43750

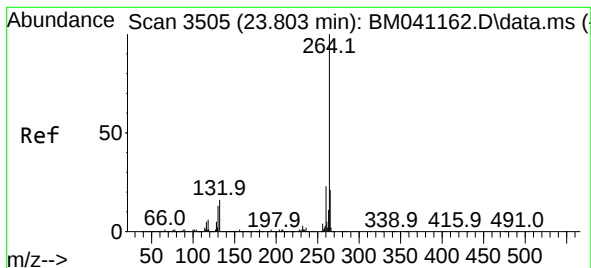
Ion Ratio Lower Upper

149 100

167 21.8 21.0 31.6

279 7.0 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: BM041275.D

Acq: 03 Aug 2023 23:19

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-7-(0-5)

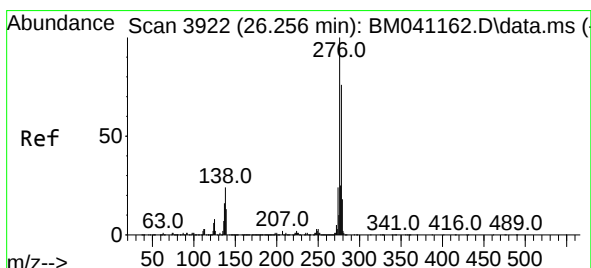
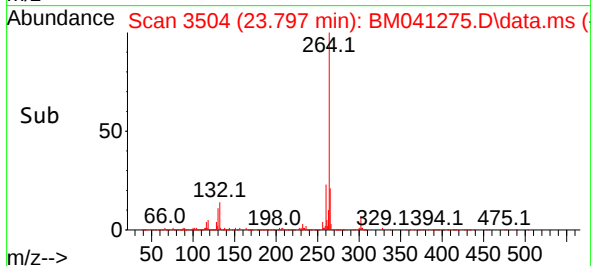
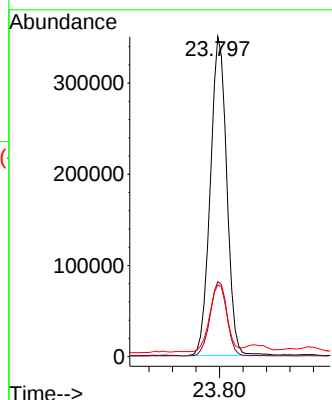
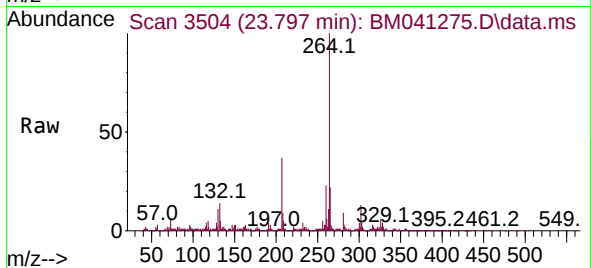
Tgt Ion:264 Resp: 679155

Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.592 ng

RT: 26.250 min Scan# 3921

Delta R.T. -0.012 min

Lab File: BM041275.D

Acq: 03 Aug 2023 23:19

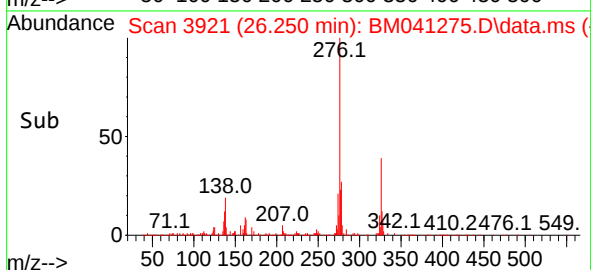
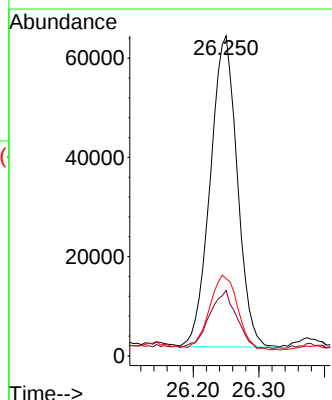
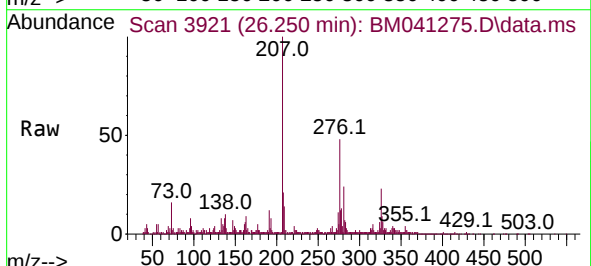
Tgt Ion:276 Resp: 179367

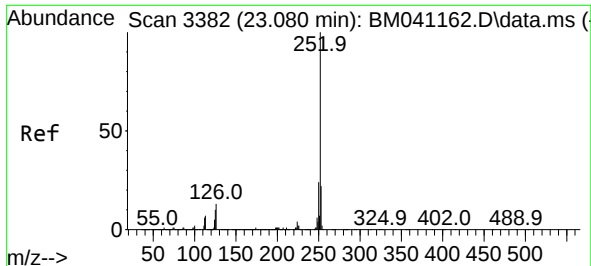
Ion Ratio Lower Upper

276 100

138 18.4 20.0 30.0#

277 25.2 20.1 30.1

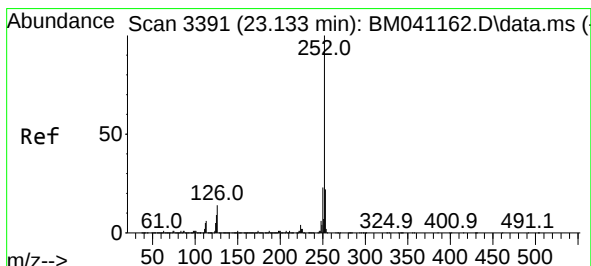
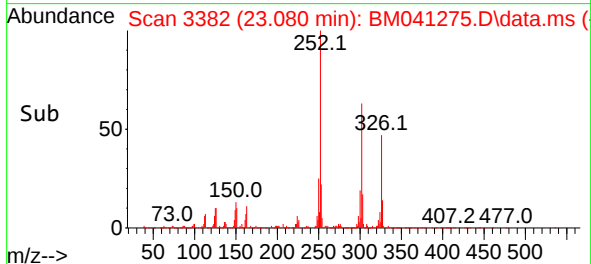
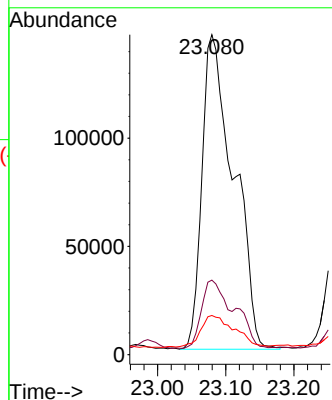
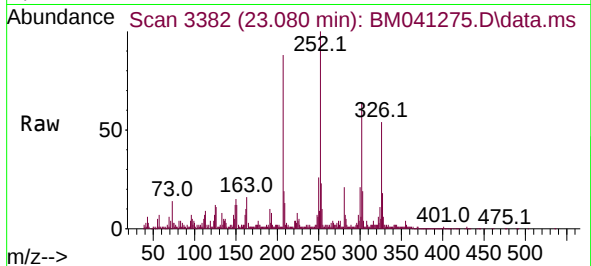




#88
Benzo(b)fluoranthene
Concen: 11.625 ng
RT: 23.080 min Scan# 3382
Delta R.T. -0.006 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

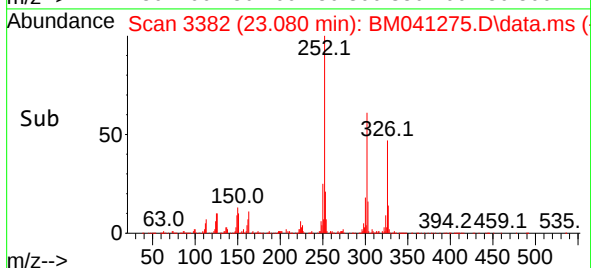
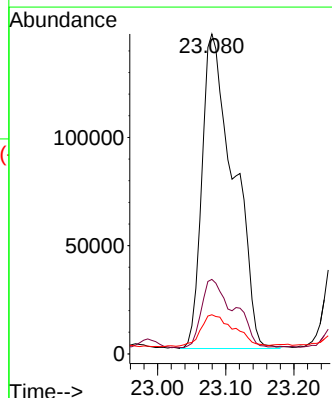
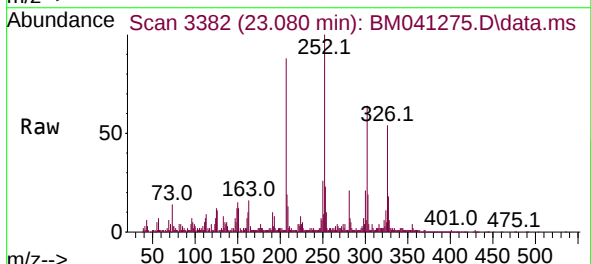
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-7-(0-5)

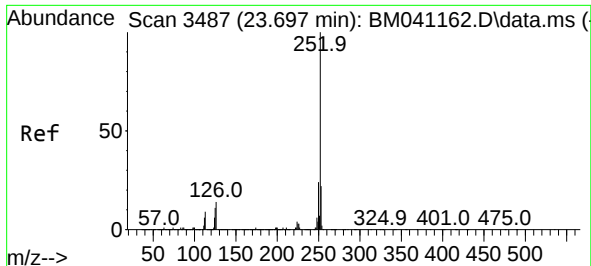
Tgt Ion:252 Resp: 469018
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 12.2 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 11.365 ng
RT: 23.080 min Scan# 3382
Delta R.T. -0.053 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

Tgt Ion:252 Resp: 469018
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 12.2 7.6 11.4#

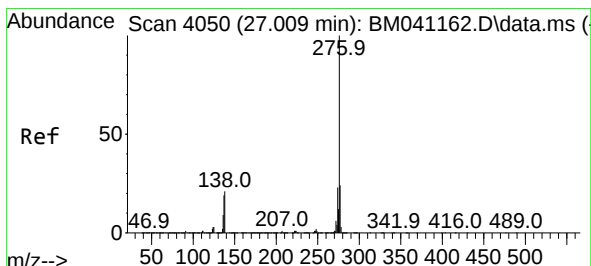
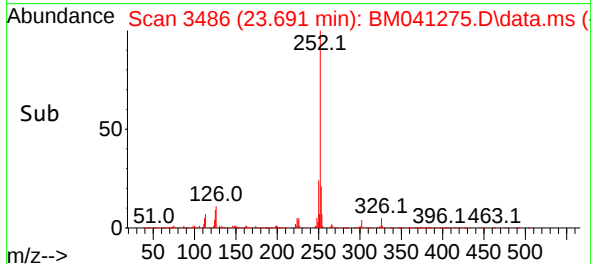
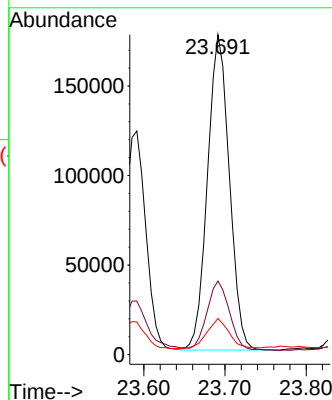
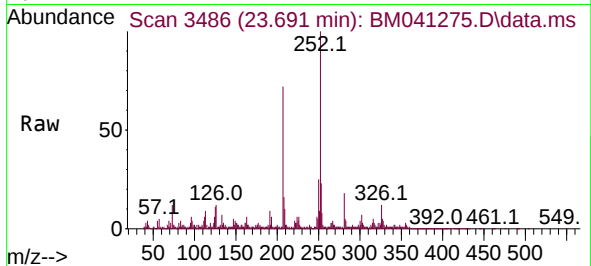




#90
Benzo(a)pyrene
Concen: 8.496 ng
RT: 23.691 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-7-(0-5)

Tgt Ion:252 Resp: 329376
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 11.3 9.0 13.4



#92
Benzo(g,h,i)perylene
Concen: 4.850 ng
RT: 27.003 min Scan# 4049
Delta R.T. -0.012 min
Lab File: BM041275.D
Acq: 03 Aug 2023 23:19

Tgt Ion:276 Resp: 197631
Ion Ratio Lower Upper
276 100
277 24.7 19.1 28.7
138 19.2 17.1 25.7

