

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
 Data File : BM041273.D
 Acq On : 03 Aug 2023 22:05
 Operator : MA/JU
 Sample : 03775-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/04/2023
 Supervised By :mohammad ahmed 08/04/2023

Quant Time: Aug 04 01:25:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 19:20:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	206655	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	899980	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	573653	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1084229	20.000	ng	0.00
76) Chrysene-d12	21.445	240	691282	20.000	ng	0.01
86) Perylene-d12	23.827	264	913502	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1149660	83.147	ng	0.00
7) Phenol-d6	6.981	99	1552591	86.626	ng	0.00
23) Nitrobenzene-d5	8.975	82	1018931	52.651	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	699394	86.196	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	2512036	55.318	ng	0.00
79) Terphenyl-d14	19.868	244	2896559	75.760	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.657	128	3082513	63.117	ng	99
37) 2-Methylnaphthalene	12.275	142	1025090	31.133	ng	99
38) 1-Methylnaphthalene	12.498	142	2049722	66.514	ng	99
46) 1,1'-Biphenyl	13.292	154	642103	13.807	ng	98
49) Acenaphthylene	14.192	152	4421861	78.895	ng	99
52) Acenaphthene	14.527	154	977591	28.953	ng	100
55) Dibenzofuran	14.863	168	766741	13.918	ng	# 90
58) Fluorene	15.521	166	3418195	78.654	ng	99
71) Phenanthrene	17.292	178	14956234	248.276	ng	97
72) Anthracene	17.368	178	5463741	91.706	ng	100
73) Carbazole	17.645	167	459409	8.519	ng	95
75) Fluoranthene	19.321	202	13104613	193.630	ng	98
78) Pyrene	19.692	202	19163357	396.410	ng	95
81) Benzo(a)anthracene	21.427	228	9012247	192.309	ng	# 87
83) Chrysene	21.486	228	8706482	192.077	ng	93
84) Bis(2-ethylhexyl)phtha...	21.339	149	51062	4.264	ng	# 78
87) Indeno(1,2,3-cd)pyrene	26.309	276	4661438	69.406	ng	# 93
88) Benzo(b)fluoranthene	23.115	252	9842710m	181.374	ng	
89) Benzo(k)fluoranthene	23.150	252	2439580m	43.948	ng	
90) Benzo(a)pyrene	23.739	252	9943086m	190.687	ng	
91) Dibenzo(a,h)anthracene	26.309	278	1568645	28.002	ng	# 94
92) Benzo(g,h,i)perylene	27.085	276	5043225	92.007	ng	95

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

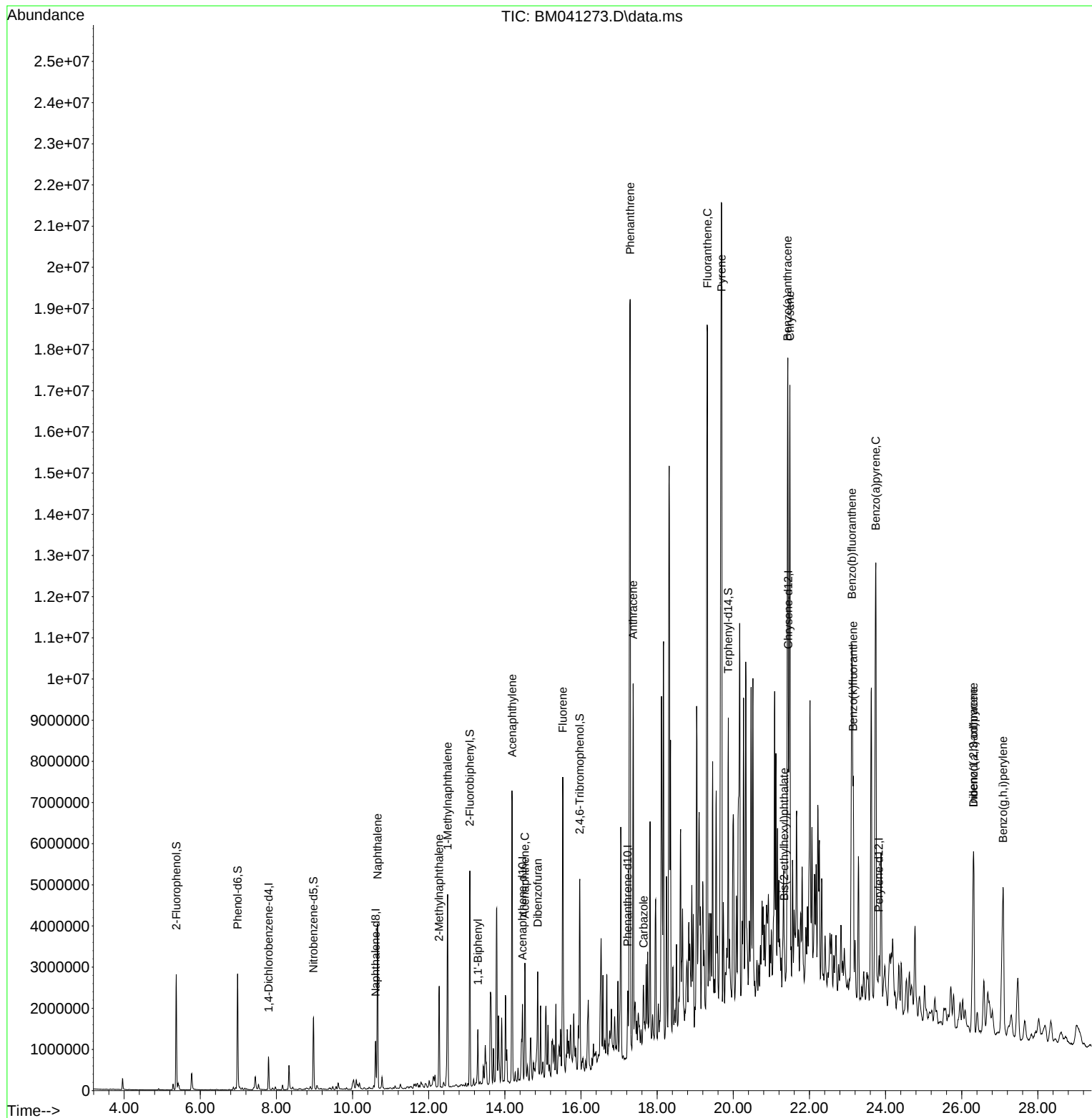
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041273.D
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ALS Vial : 18 Sample Multiplier: 1

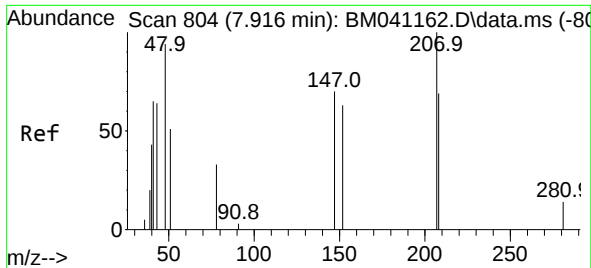
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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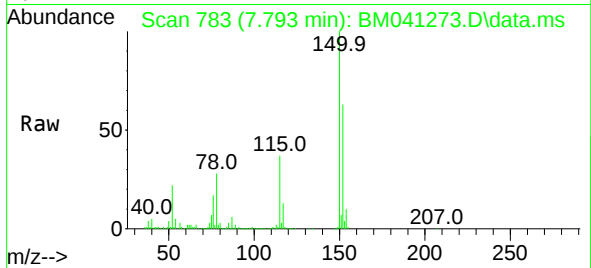
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

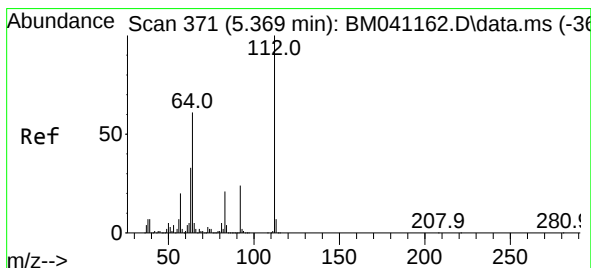
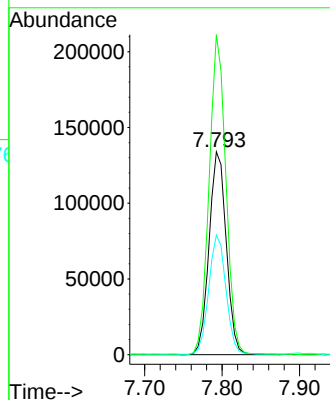
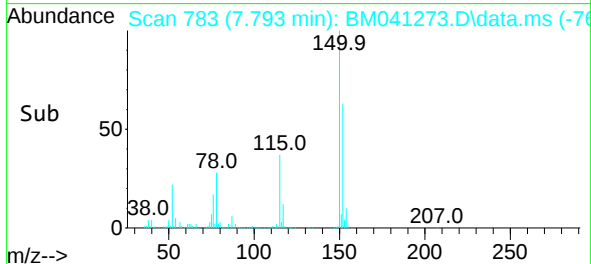
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)



Tgt Ion:152 Resp: 206658
Ion Ratio Lower Upper
152 100
150 157.7 125.5 188.3
115 58.9 48.0 72.0

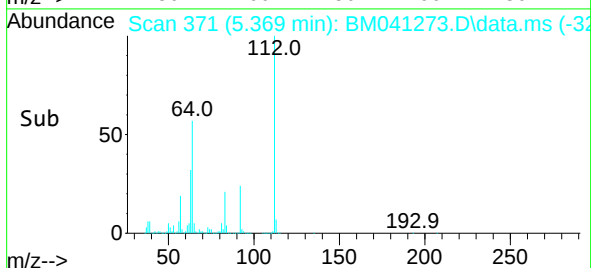
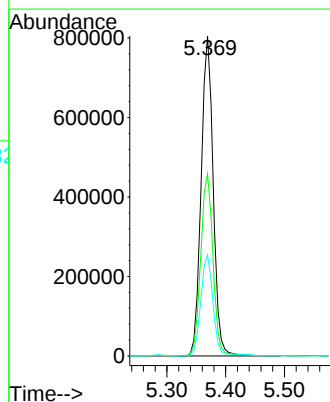
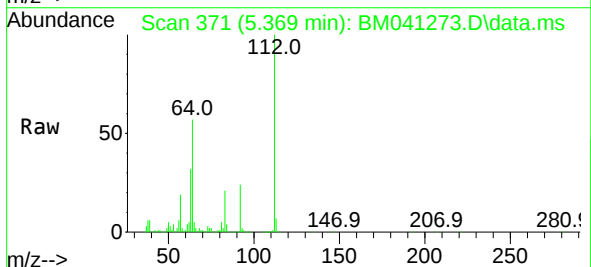
Manual Integrations
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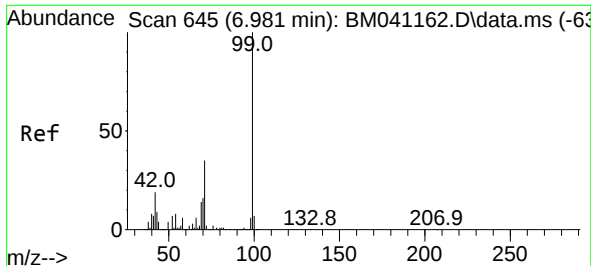
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#5
2-Fluorophenol
Concen: 83.147 ng
RT: 5.369 min Scan# 371
Delta R.T. -0.000 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

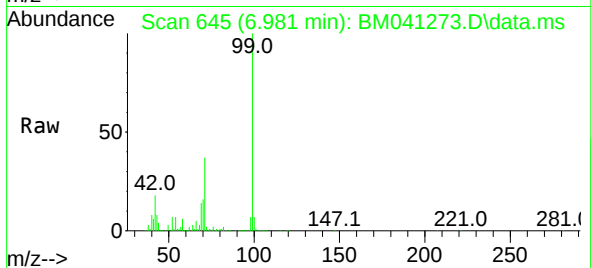
Tgt Ion:112 Resp: 1149660
Ion Ratio Lower Upper
112 100
64 56.9 48.5 72.7
63 31.6 26.5 39.7





#7
Phenol-d6
Concen: 86.626 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

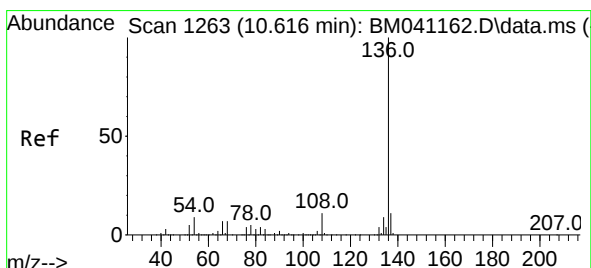
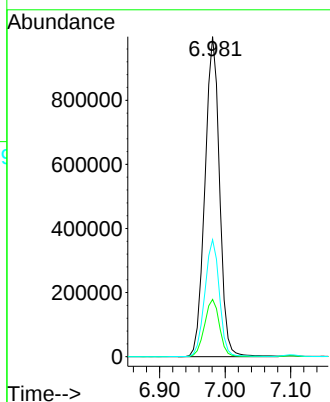
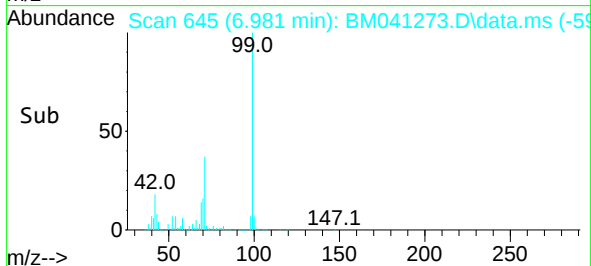
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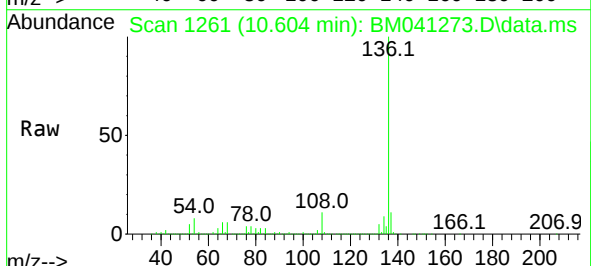
Tgt Ion: 99 Resp: 155259
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 36.6 28.2 42.4

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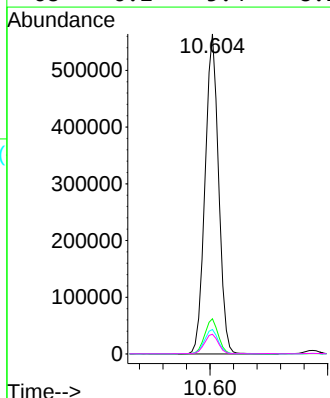
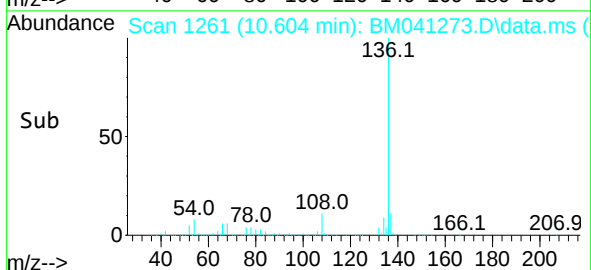
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

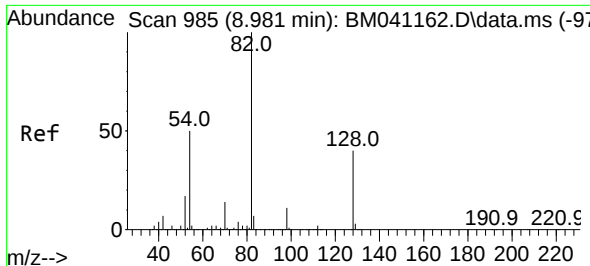


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05



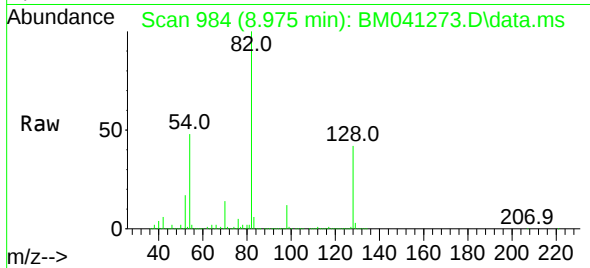
Tgt Ion:136 Resp: 899980
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.6 6.9 10.3
68 6.2 5.4 8.2





#23
Nitrobenzene-d5
Concen: 52.651 ng
RT: 8.975 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

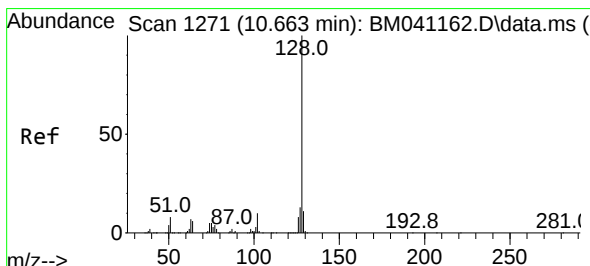
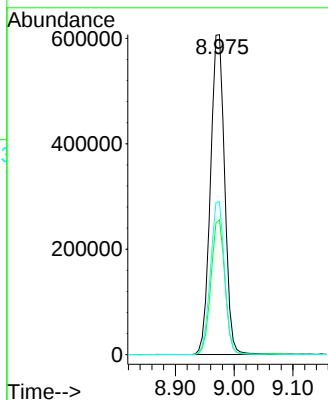
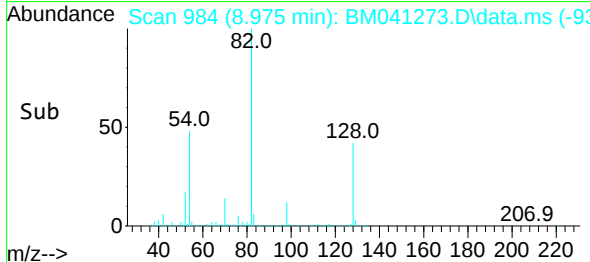
Instrument :
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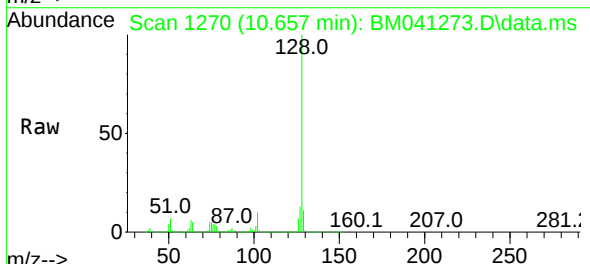
Tgt Ion: 82 Resp: 101893
Ion Ratio Lower Upper
82 100
128 42.2 31.8 47.6
54 47.8 40.1 60.1

Manual Integrations
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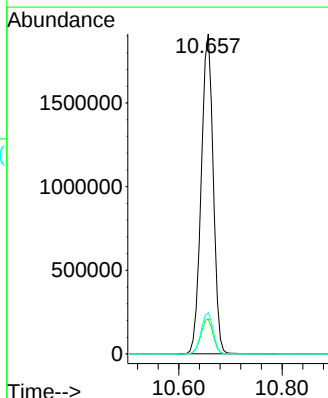
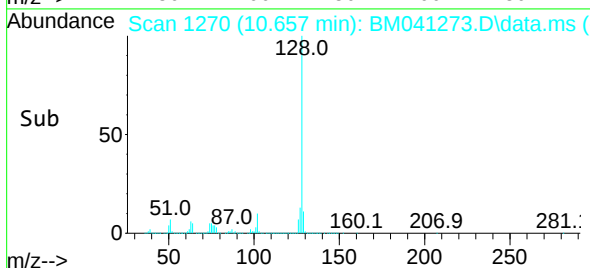
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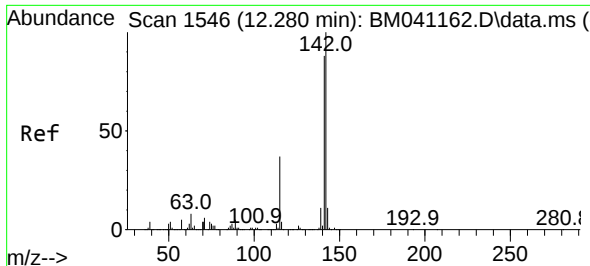


#31
Naphthalene
Concen: 63.117 ng
RT: 10.657 min Scan# 1270
Delta R.T. 0.006 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05



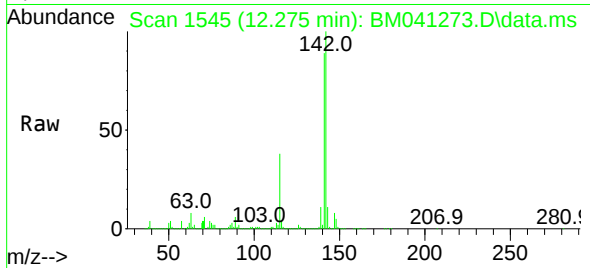
Tgt Ion:128 Resp: 3082513
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 12.9 10.5 15.7





#37
2-Methylnaphthalene
Concen: 31.133 ng
RT: 12.275 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

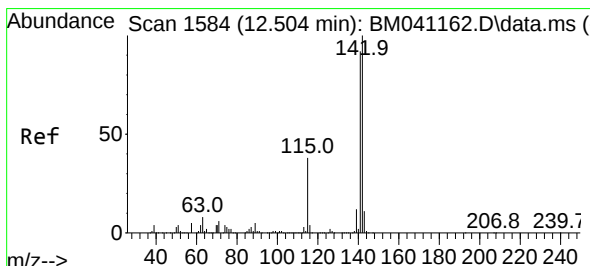
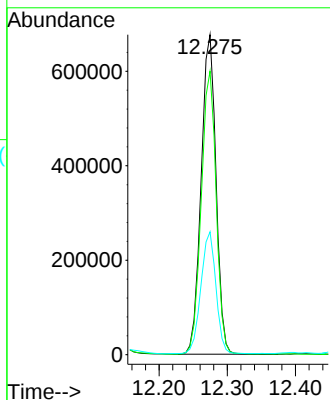
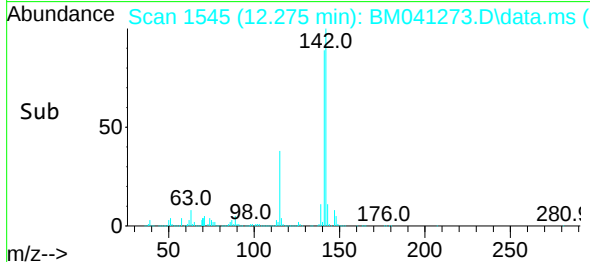
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)



Tgt Ion:142 Resp: 1025090
Ion Ratio Lower Upper
142 100
141 88.6 70.7 106.1
115 38.4 29.3 43.9

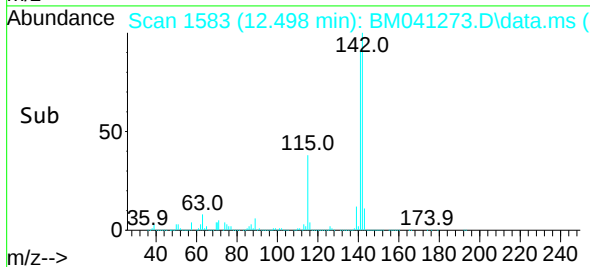
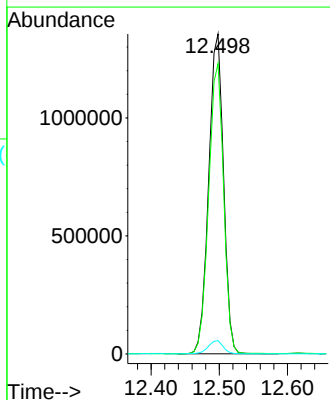
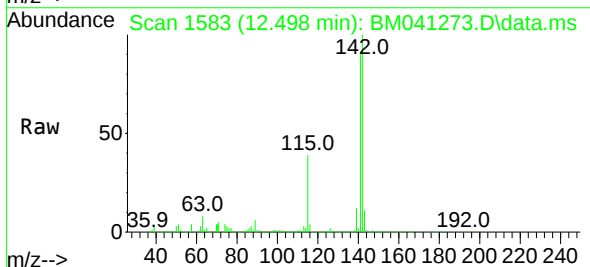
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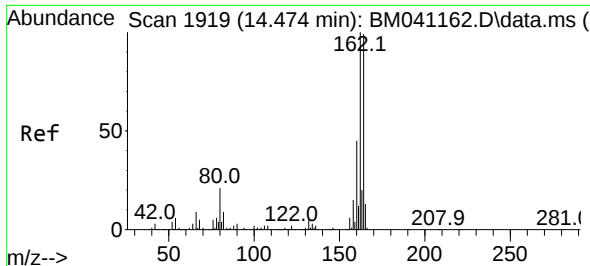
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#38
1-Methylnaphthalene
Concen: 66.514 ng
RT: 12.498 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

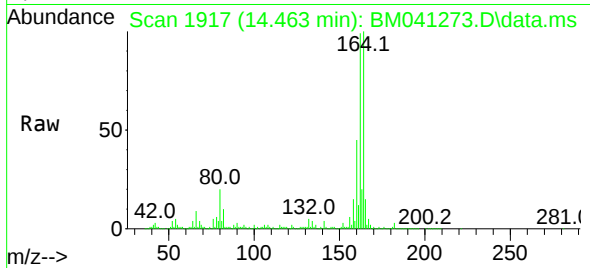
Tgt Ion:142 Resp: 2049722
Ion Ratio Lower Upper
142 100
141 90.7 73.4 110.2
116 4.1 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

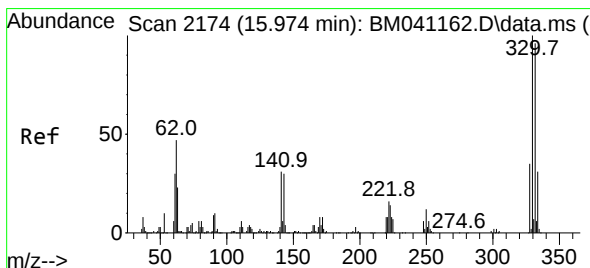
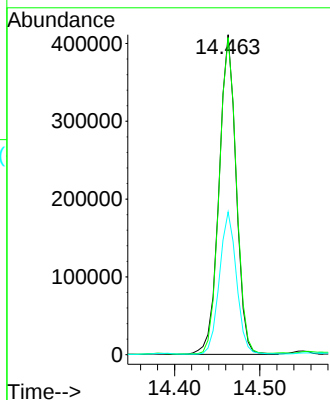
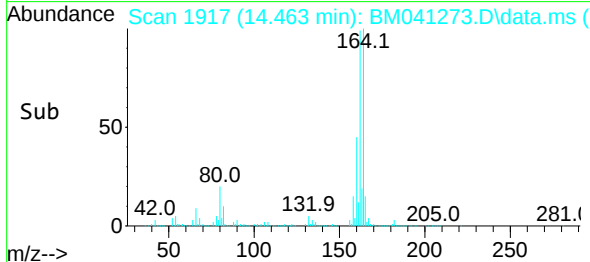
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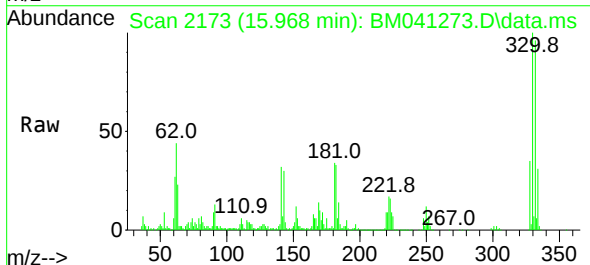
Tgt Ion:164 Resp: 57365
Ion Ratio Lower Upper
164 100
162 99.1 80.4 120.6
160 44.6 36.2 54.2

Manual Integrations
APPROVED

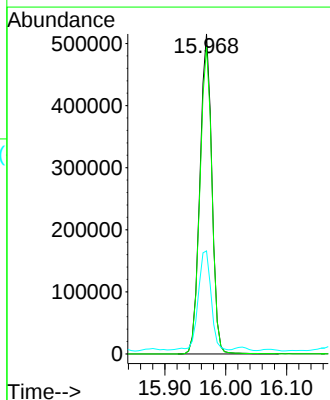
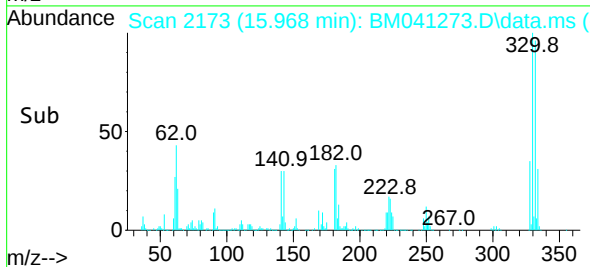
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

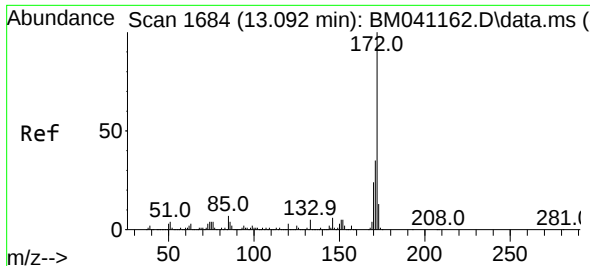


#42
2,4,6-Tribromophenol
Concen: 86.196 ng
RT: 15.968 min Scan# 2173
Delta R.T. -0.000 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05



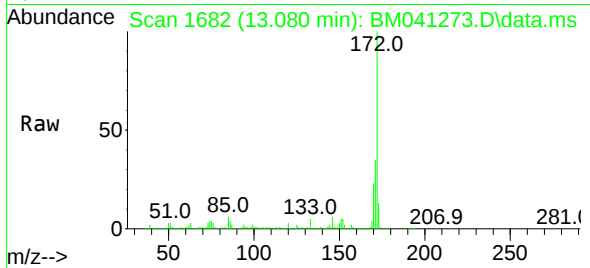
Tgt Ion:330 Resp: 699394
Ion Ratio Lower Upper
330 100
332 96.8 77.7 116.5
141 34.3 28.3 42.5





#45
2-Fluorobiphenyl
Concen: 55.318 ng
RT: 13.080 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

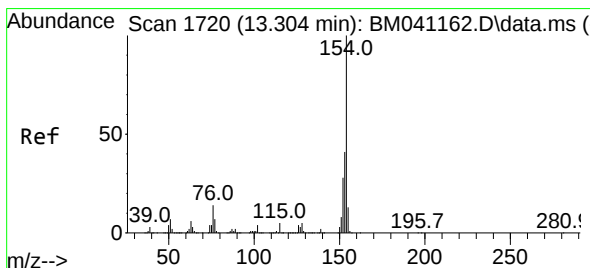
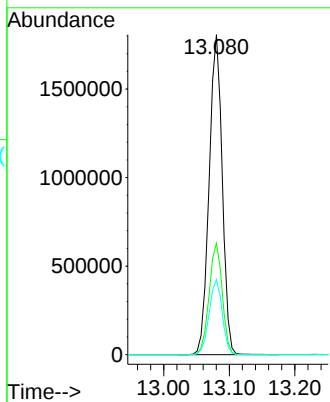
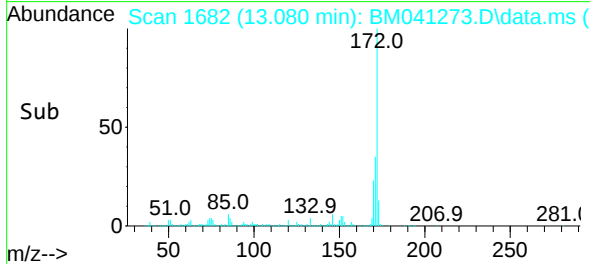
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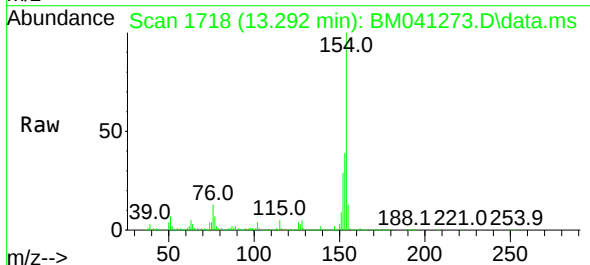
Tgt Ion:172 Resp: 2512030
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.5 18.9 28.3

Manual Integrations
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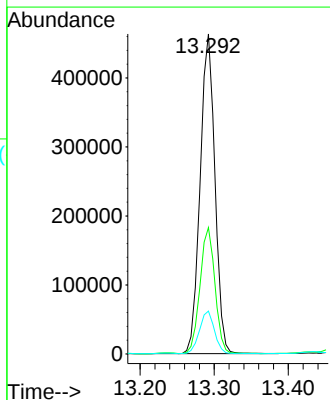
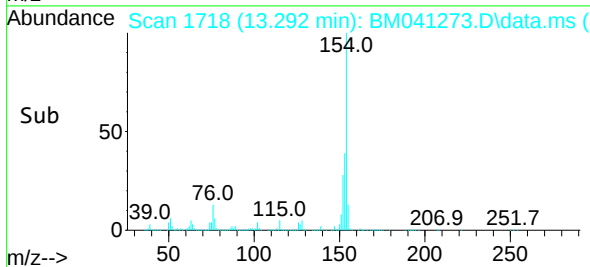
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

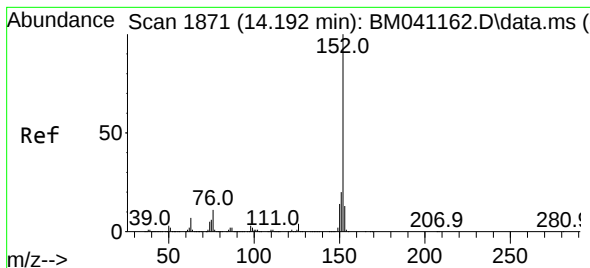


#46
1,1'-Biphenyl
Concen: 13.807 ng
RT: 13.292 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05



Tgt Ion:154 Resp: 642103
Ion Ratio Lower Upper
154 100
153 39.5 20.5 60.5
76 13.4 0.0 34.1





#49

Acenaphthylene

Concen: 78.895 ng

RT: 14.192 min Scan# 11

Delta R.T. 0.006 min

Lab File: BM041273.D

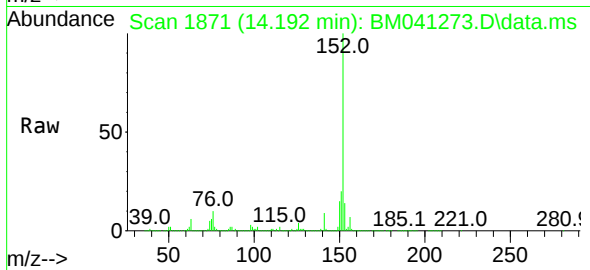
Acq: 03 Aug 2023 22:05

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)



Tgt Ion:152 Resp: 442186

Ion Ratio Lower Upper

152 100

151 20.2 16.1 24.1

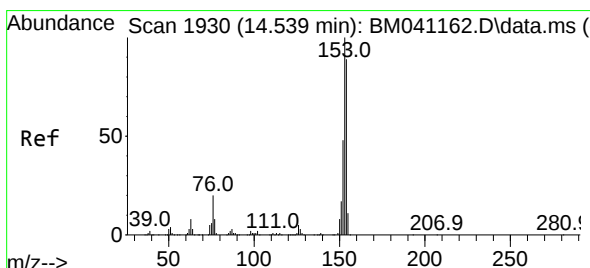
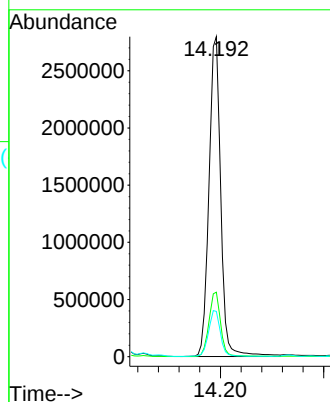
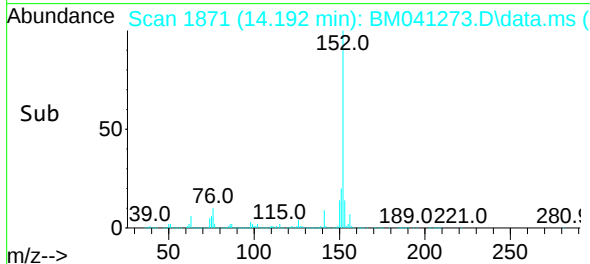
153 14.1 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#52

Acenaphthene

Concen: 28.953 ng

RT: 14.527 min Scan# 1928

Delta R.T. -0.000 min

Lab File: BM041273.D

Acq: 03 Aug 2023 22:05

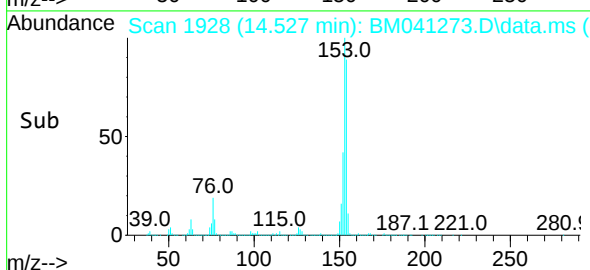
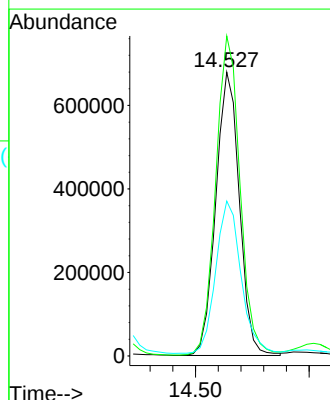
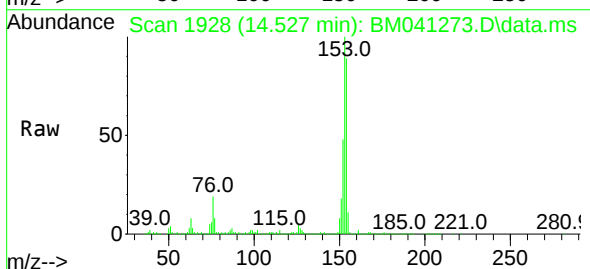
Tgt Ion:154 Resp: 977591

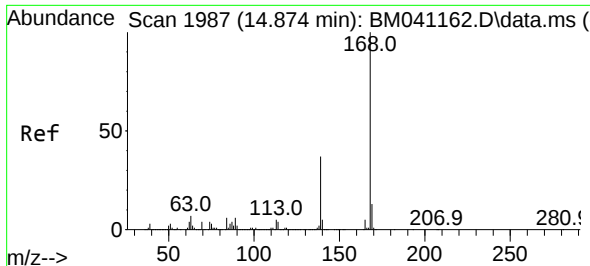
Ion Ratio Lower Upper

154 100

153 112.7 90.2 135.4

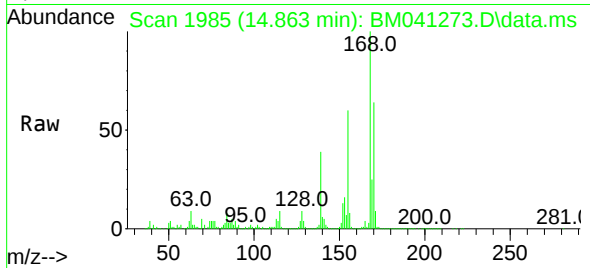
152 54.6 43.4 65.0





#55
Dibenzenofuran
Concen: 13.918 ng
RT: 14.863 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

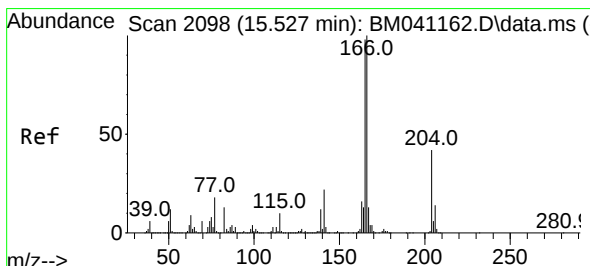
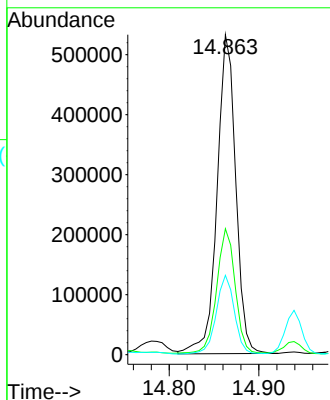
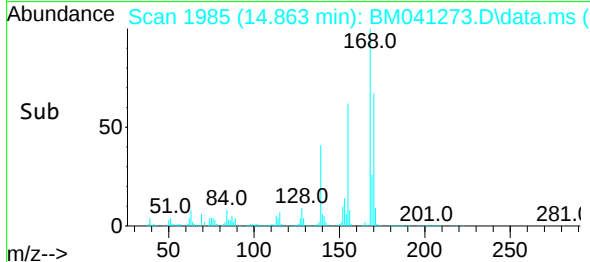
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)



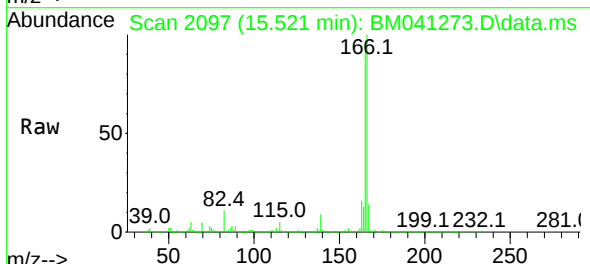
Tgt Ion:168 Resp: 76674
Ion Ratio Lower Upper
168 100
139 39.3 29.8 44.6
169 24.8 10.5 15.7

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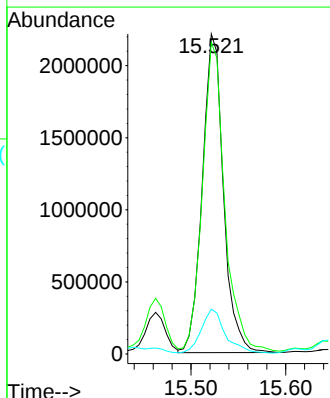
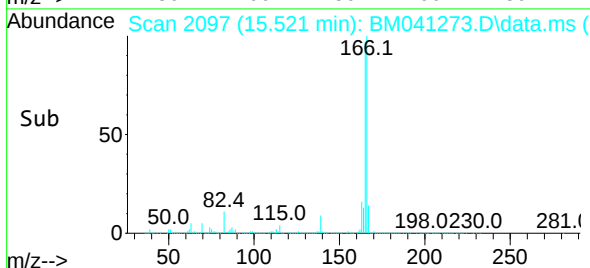
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

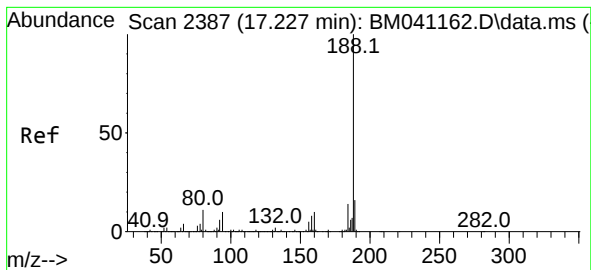


#58
Fluorene
Concen: 78.654 ng
RT: 15.521 min Scan# 2097
Delta R.T. 0.006 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05



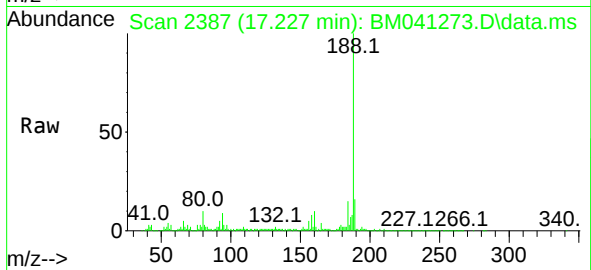
Tgt Ion:166 Resp: 3418195
Ion Ratio Lower Upper
166 100
165 97.3 78.2 117.4
167 14.0 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

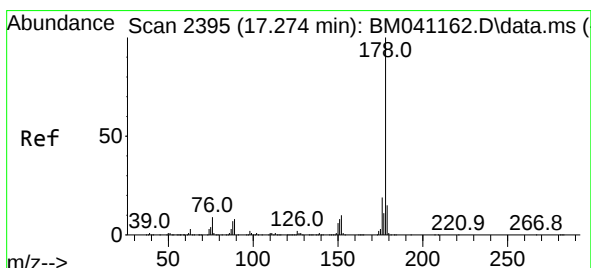
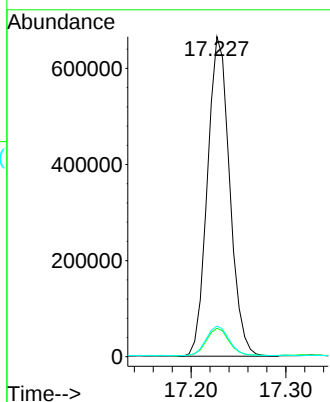
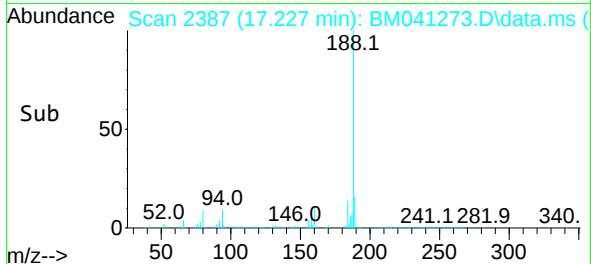
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)



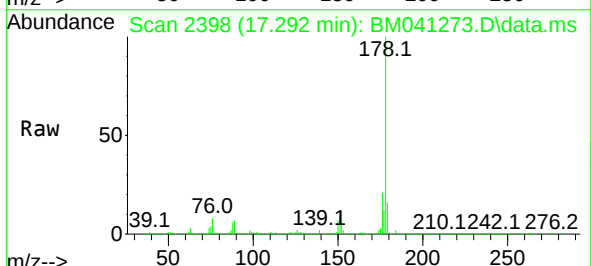
Tgt Ion:188 Resp: 1084229
Ion Ratio Lower Upper
188 100
94 8.9 8.2 12.2
80 9.5 8.6 13.0

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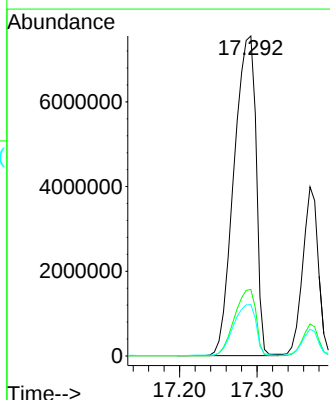
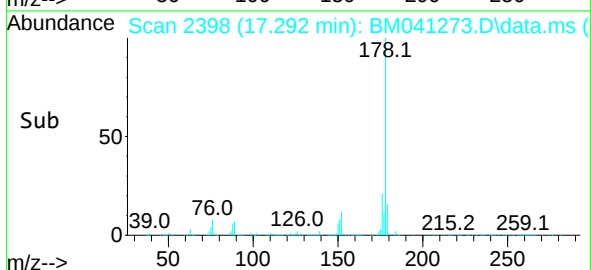
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

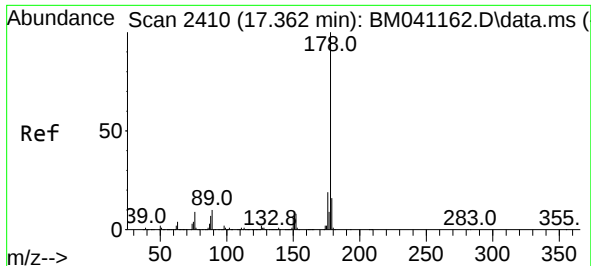


#71
Phenanthrene
Concen: 248.276 ng
RT: 17.292 min Scan# 2398
Delta R.T. 0.023 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05



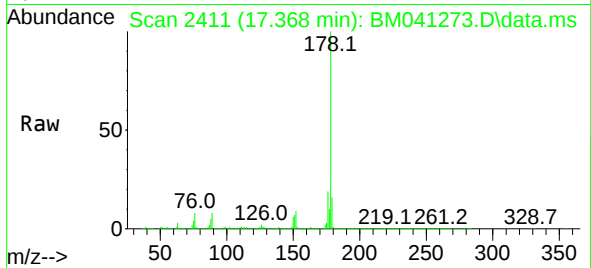
Tgt Ion:178 Resp:14956234
Ion Ratio Lower Upper
178 100
176 20.8 15.6 23.4
179 16.0 12.1 18.1





#72
 Anthracene
 Concen: 91.706 ng
 RT: 17.368 min Scan# 2410
 Delta R.T. 0.012 min
 Lab File: BM041273.D
 Acq: 03 Aug 2023 22:05

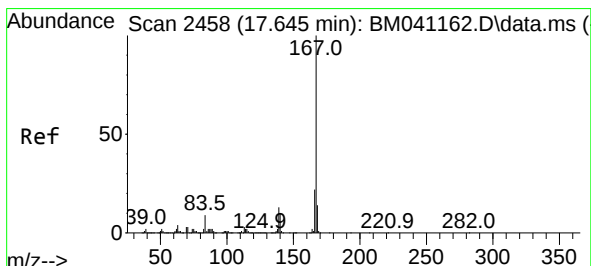
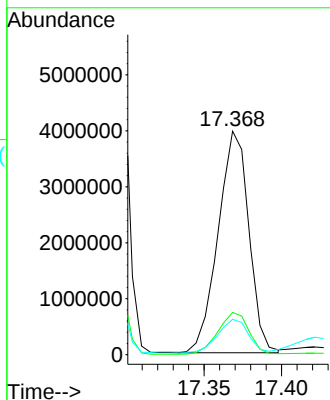
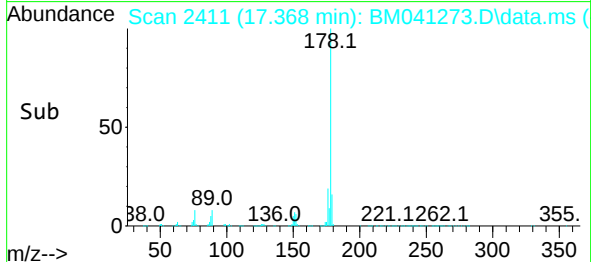
Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-A-10-(0-5)



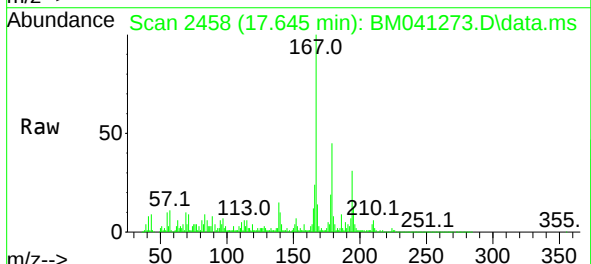
Tgt Ion:178 Resp: 546374
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.2 22.8
 179 15.9 12.4 18.6

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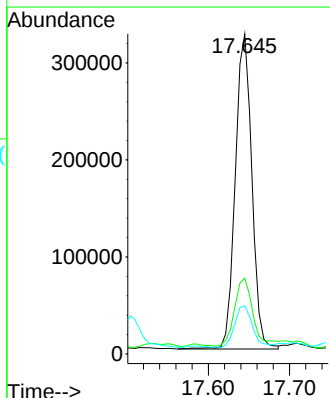
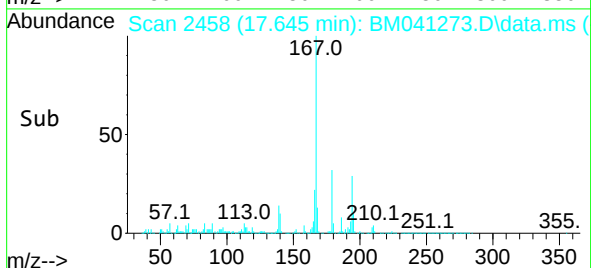
Reviewed By :Yogesh Patel 08/04/2023
 Supervised By :mohammad ahmed 08/04/2023

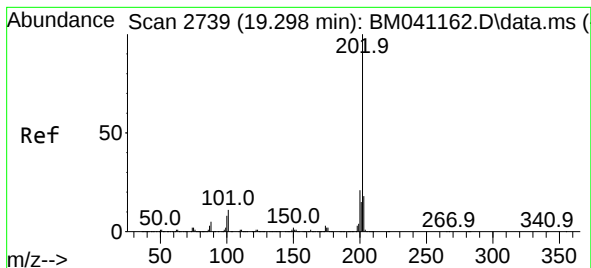


#73
 Carbazole
 Concen: 8.519 ng
 RT: 17.645 min Scan# 2458
 Delta R.T. 0.006 min
 Lab File: BM041273.D
 Acq: 03 Aug 2023 22:05



Tgt Ion:167 Resp: 459409
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.3 25.9
 139 15.0 10.3 15.5





#75

Fluoranthene

Concen: 193.630 ng

RT: 19.321 min Scan# 21

Delta R.T. 0.029 min

Lab File: BM041273.D

Acq: 03 Aug 2023 22:05

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)

Tgt Ion:202 Resp:1310461

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.8

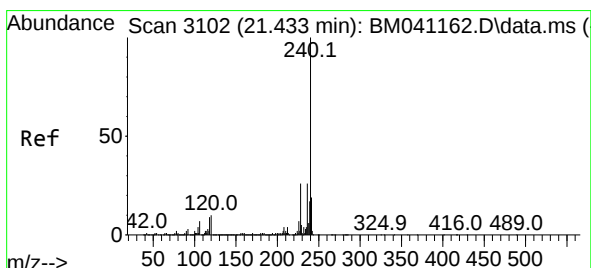
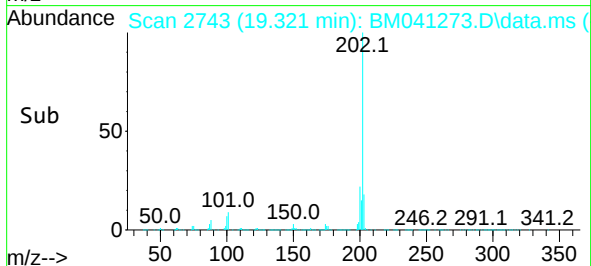
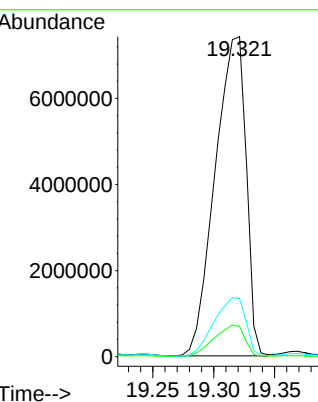
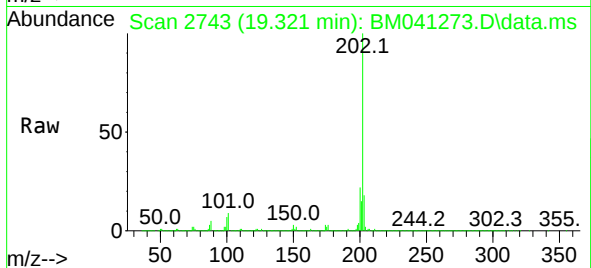
203 18.1 0.0 37.6

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Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.445 min Scan# 3104

Delta R.T. 0.012 min

Lab File: BM041273.D

Acq: 03 Aug 2023 22:05

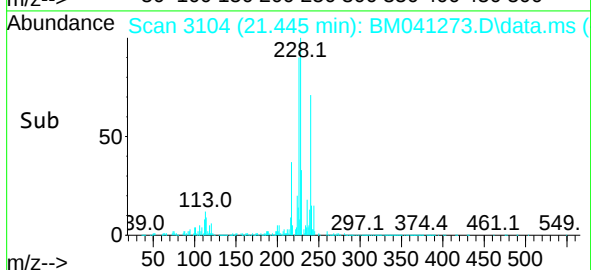
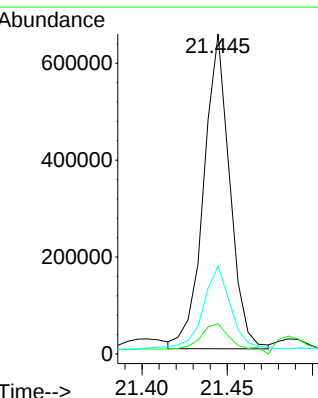
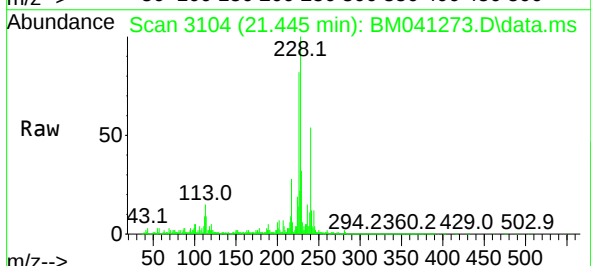
Tgt Ion:240 Resp: 691282

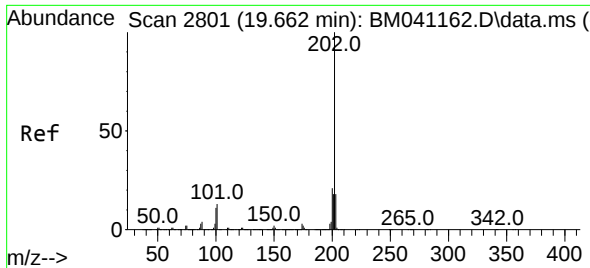
Ion Ratio Lower Upper

240 100

120 9.5 8.3 12.5

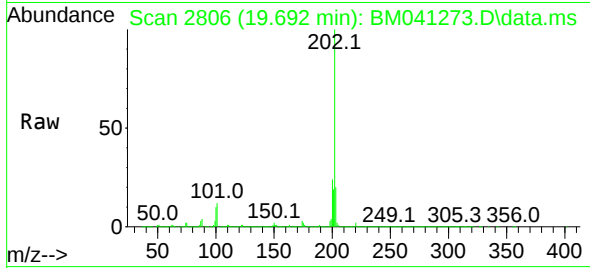
236 27.4 20.6 30.8





#78
Pyrene
Concen: 396.410 ng
RT: 19.692 min Scan# 2806
Delta R.T. 0.035 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

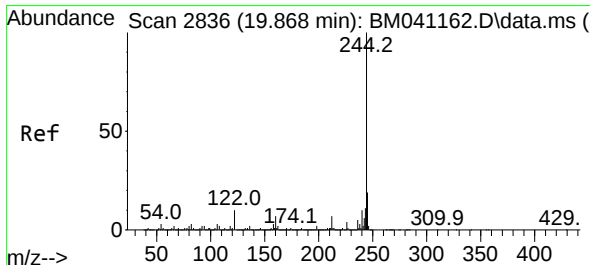
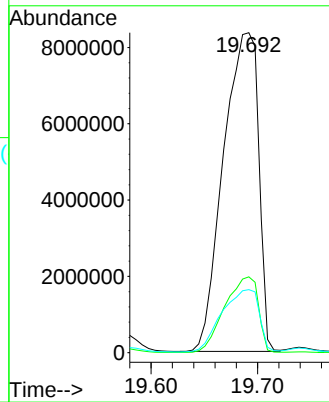
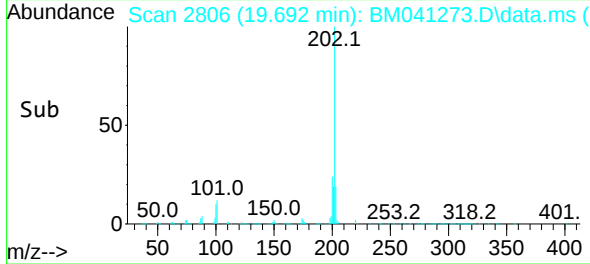
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)



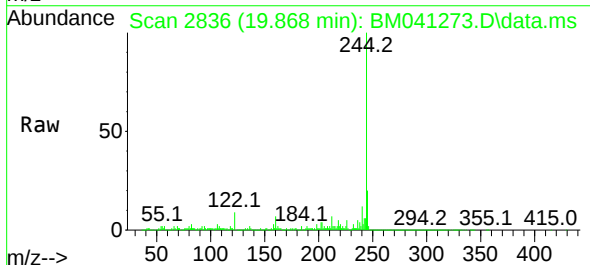
Tgt Ion:202 Resp:1916335
Ion Ratio Lower Upper
202 100
200 23.7 16.9 25.3
203 19.7 14.1 21.1

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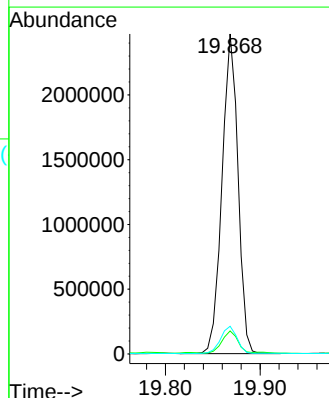
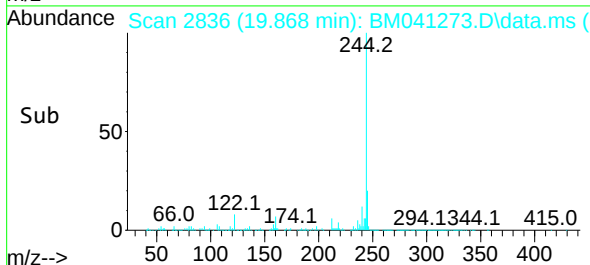
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

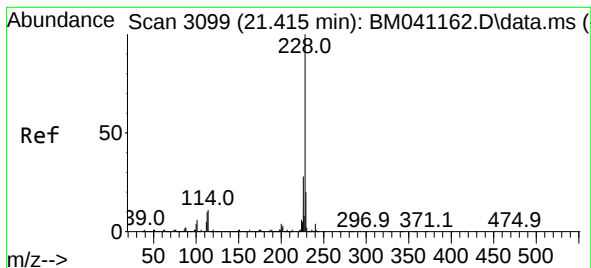


#79
Terphenyl-d14
Concen: 75.760 ng
RT: 19.868 min Scan# 2836
Delta R.T. 0.006 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05



Tgt Ion:244 Resp: 2896559
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 8.6 7.8 11.6





#81

Benzo(a)anthracene

Concen: 192.309 ng

RT: 21.427 min Scan# 3111

Delta R.T. 0.012 min

Lab File: BM041273.D

Acq: 03 Aug 2023 22:05

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)

Tgt Ion:228 Resp: 901224

Ion Ratio Lower Upper

228 100

226 37.4 22.4 33.6

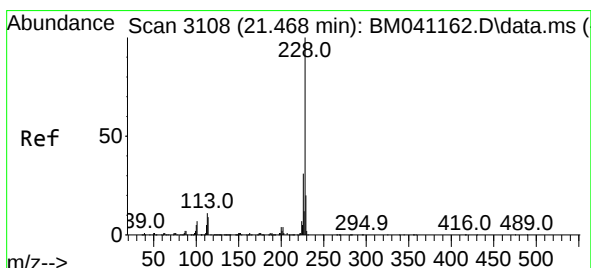
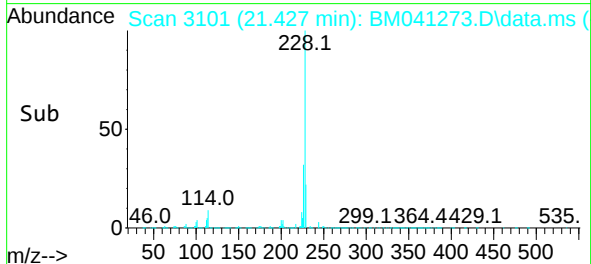
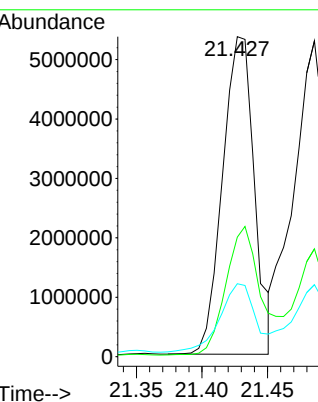
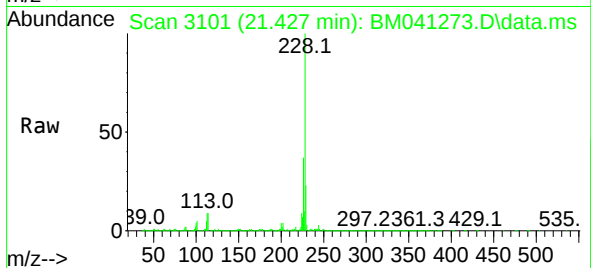
229 22.8 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#83

Chrysene

Concen: 192.077 ng

RT: 21.486 min Scan# 3111

Delta R.T. 0.018 min

Lab File: BM041273.D

Acq: 03 Aug 2023 22:05

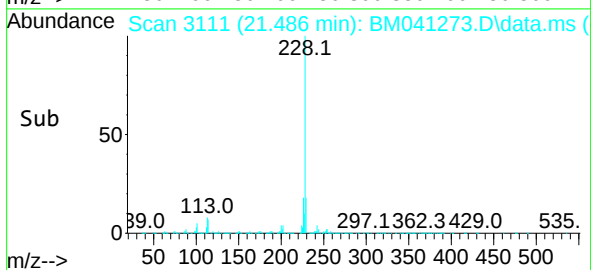
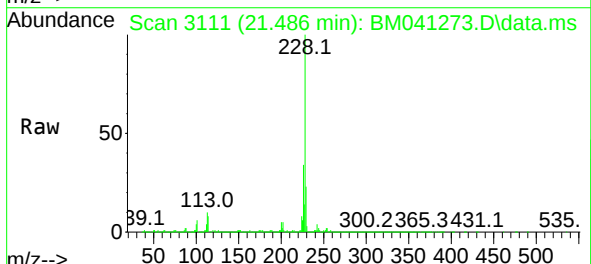
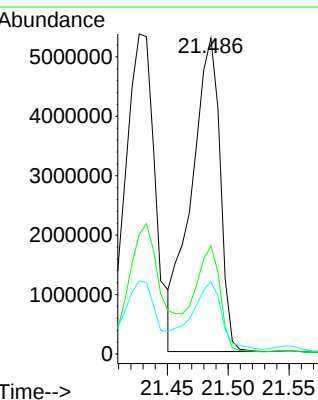
Tgt Ion:228 Resp: 8706482

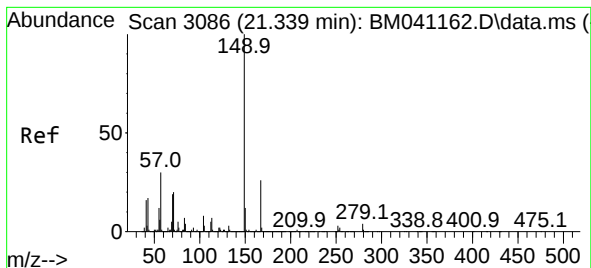
Ion Ratio Lower Upper

228 100

226 34.2 24.5 36.7

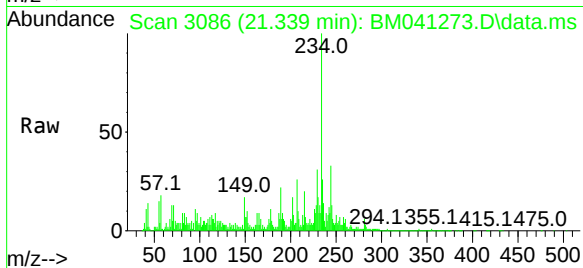
229 22.8 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.264 ng
RT: 21.339 min Scan# 3086
Delta R.T. 0.006 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

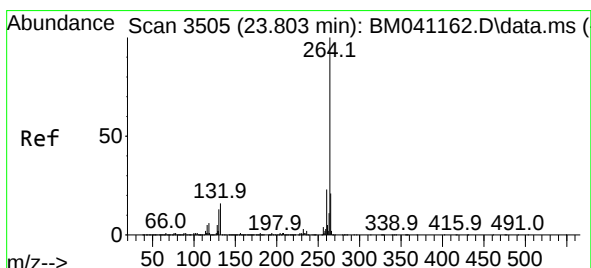
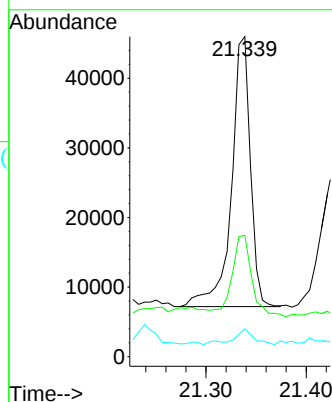
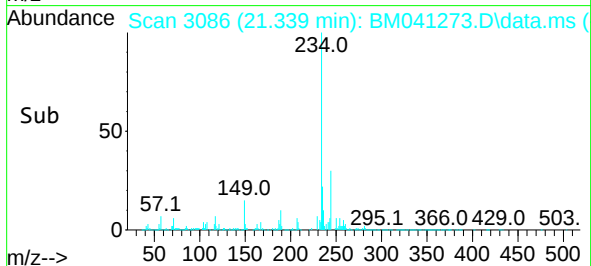
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)



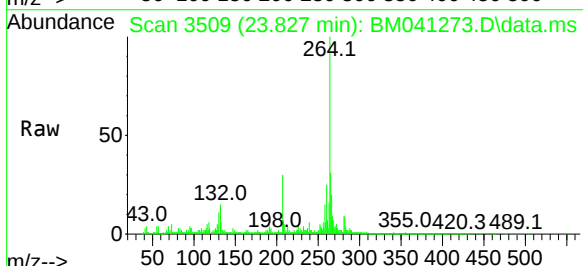
Tgt Ion:149 Resp: 51062
Ion Ratio Lower Upper
149 100
167 37.9 21.0 31.6
279 8.7 3.1 4.7

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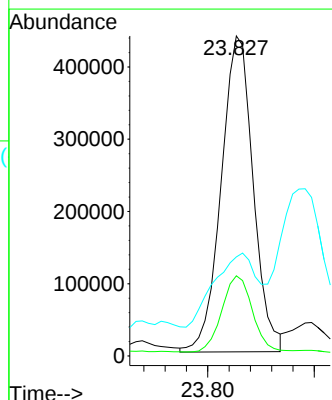
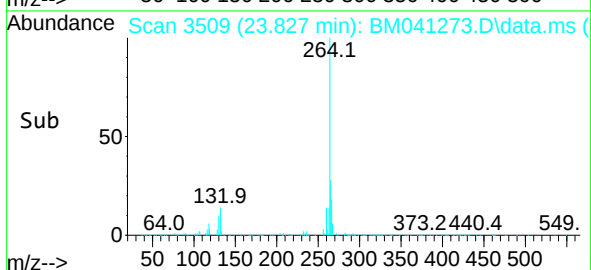
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

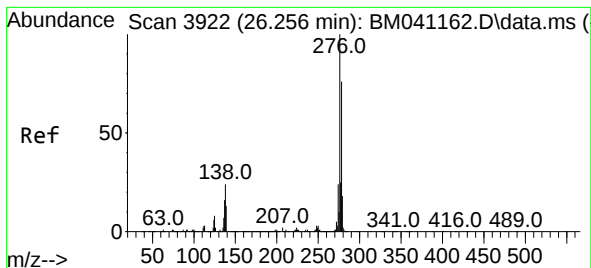


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.827 min Scan# 3509
Delta R.T. 0.023 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05



Tgt Ion:264 Resp: 913502
Ion Ratio Lower Upper
264 100
260 25.1 18.5 27.7
265 30.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 69.406 ng

RT: 26.309 min Scan# 3922

Delta R.T. 0.047 min

Lab File: BM041273.D

Acq: 03 Aug 2023 22:05

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)

Tgt Ion:276 Resp: 466143

Ion Ratio Lower Upper

276 100

138 17.6 20.0 30.0

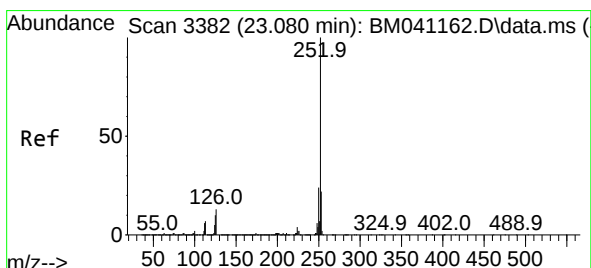
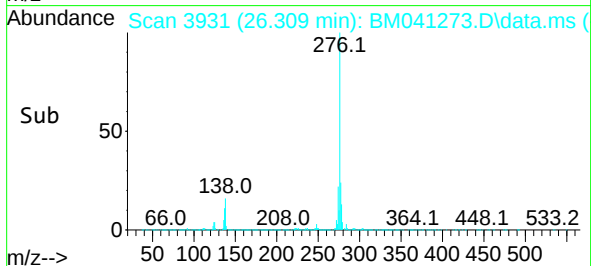
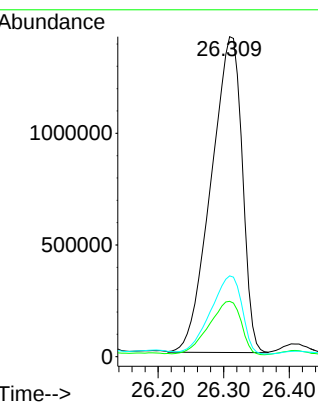
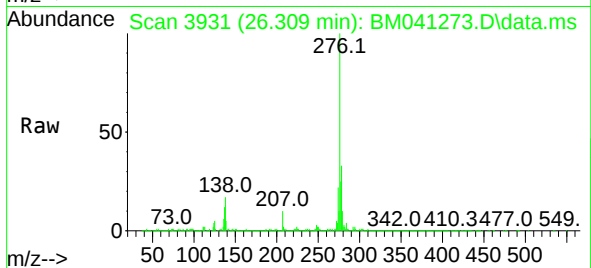
277 25.1 20.1 30.1

Manual Integrations

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Supervised By :mohammad ahmed 08/04/2023



#88

Benzo(b)fluoranthene

Concen: 181.374 ng m

RT: 23.115 min Scan# 3388

Delta R.T. 0.029 min

Lab File: BM041273.D

Acq: 03 Aug 2023 22:05

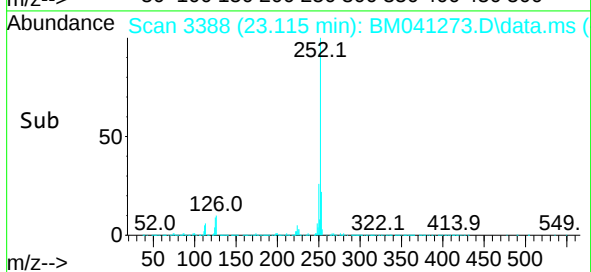
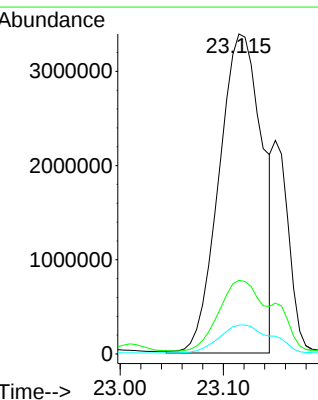
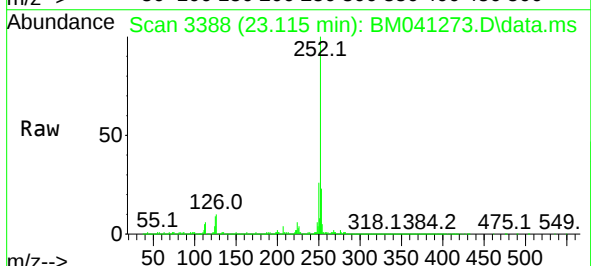
Tgt Ion:252 Resp: 9842710

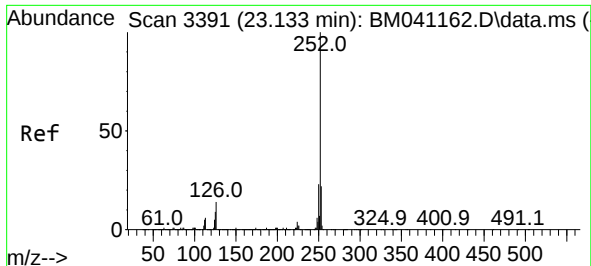
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 9.0 8.2 12.4





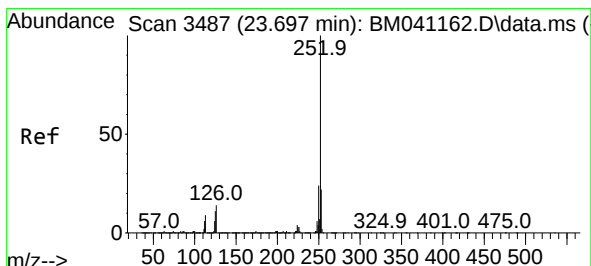
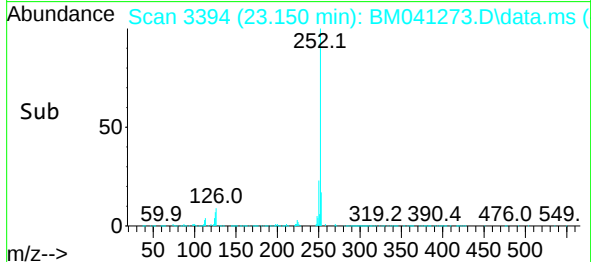
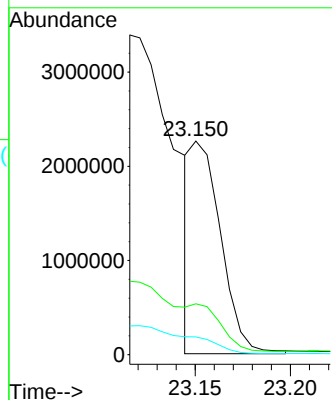
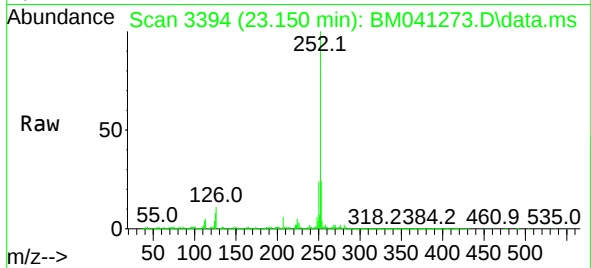
#89
Benzo(k)fluoranthene
Concen: 43.948 ng m
RT: 23.150 min Scan# 31
Delta R.T. 0.018 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

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

Tgt Ion:252 Resp: 2439580
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 8.3 7.6 11.4

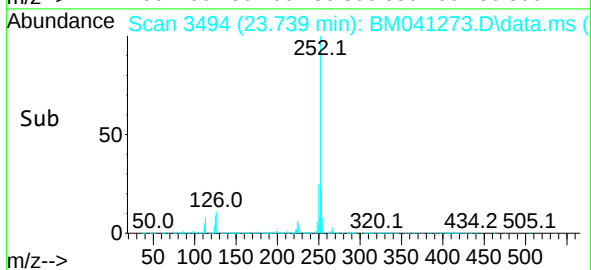
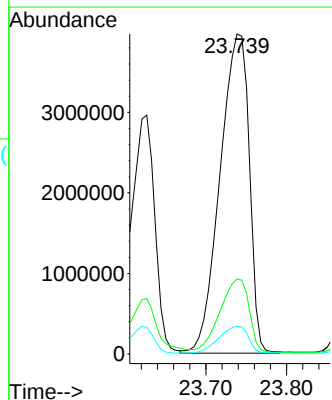
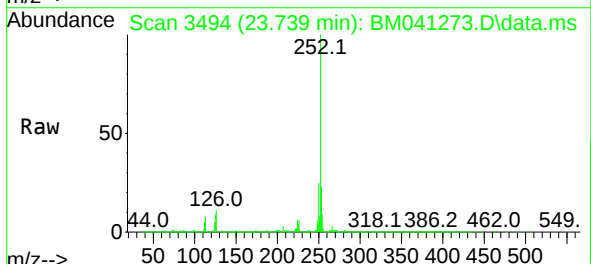
Manual Integrations
APPROVED

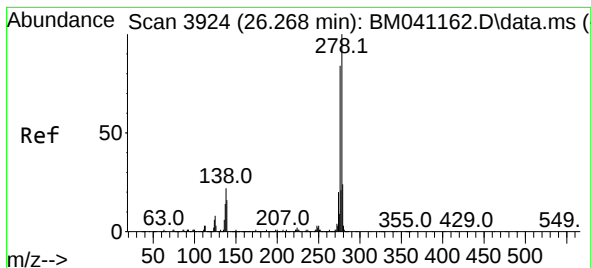
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#90
Benzo(a)pyrene
Concen: 190.687 ng m
RT: 23.739 min Scan# 3494
Delta R.T. 0.041 min
Lab File: BM041273.D
Acq: 03 Aug 2023 22:05

Tgt Ion:252 Resp: 9943086
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 8.7 9.0 13.4#





#91

Dibenzo(a,h)anthracene

Concen: 28.002 ng

RT: 26.309 min Scan# 3924

Delta R.T. 0.035 min

Lab File: BM041273.D

Acq: 03 Aug 2023 22:05

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)

Tgt Ion:278 Resp: 156864

Ion Ratio Lower Upper

278 100

139 15.8 12.7 19.1

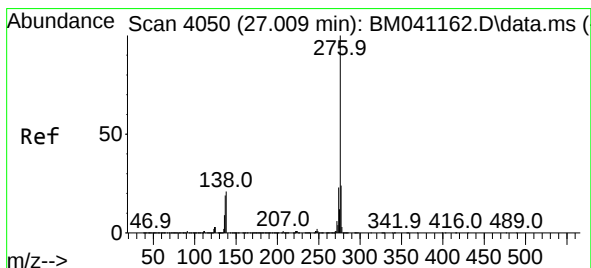
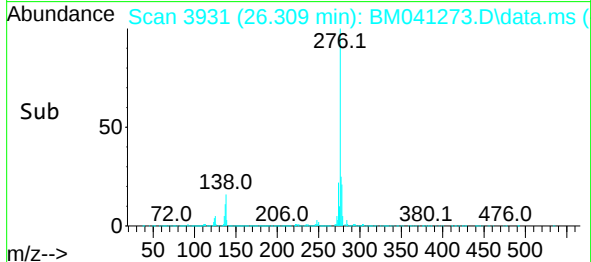
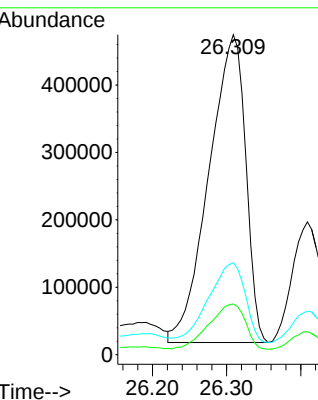
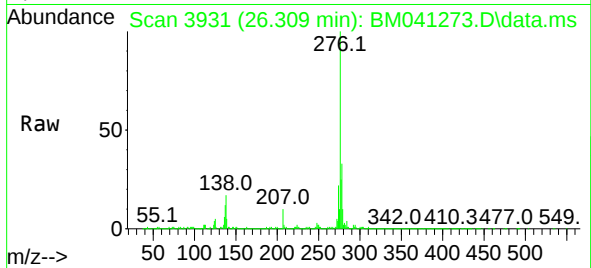
279 28.8 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#92

Benzo(g,h,i)perylene

Concen: 92.007 ng

RT: 27.085 min Scan# 4063

Delta R.T. 0.070 min

Lab File: BM041273.D

Acq: 03 Aug 2023 22:05

Tgt Ion:276 Resp: 5043225

Ion Ratio Lower Upper

276 100

277 24.6 19.1 28.7

138 17.6 17.1 25.7

