

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
 Data File : BM041276.D
 Acq On : 03 Aug 2023 23:55
 Operator : MA/JU
 Sample : 03862-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-B-9-(5-10)

Manual Integrations
 APPROVED

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

Quant Time: Aug 04 01:27:01 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	136181	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	612010	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	424623	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	1014839	20.000	ng	0.00
76) Chrysene-d12	21.433	240	713362	20.000	ng	0.00
86) Perylene-d12	23.804	264	688319	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	767579	84.242	ng	0.00
7) Phenol-d6	6.981	99	1072660	90.820	ng	0.00
23) Nitrobenzene-d5	8.969	82	672180	51.077	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	516755	86.039	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	1606583	47.796	ng	0.00
79) Terphenyl-d14	19.863	244	2610556	66.166	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.651	128	385131	11.596	ng	99
37) 2-Methylnaphthalene	12.275	142	73332	3.275	ng	97
38) 1-Methylnaphthalene	12.493	142	64265	3.067	ng	98
49) Acenaphthylene	14.187	152	242204	5.838	ng	99
55) Dibenzofuran	14.863	168	89283	2.190	ng	98
58) Fluorene	15.516	166	127066	3.950	ng	99
71) Phenanthrene	17.269	178	1578625	27.997	ng	100
72) Anthracene	17.357	178	584502	10.481	ng	99
73) Carbazole	17.639	167	137132	2.717	ng	99
75) Fluoranthene	19.298	202	3421259	54.008	ng	98
78) Pyrene	19.663	202	3180042	63.746	ng	100
81) Benzo(a)anthracene	21.416	228	1702182	35.198	ng	96
83) Chrysene	21.468	228	1528228	32.671	ng	98
84) Bis(2-ethylhexyl)phtha...	21.333	149	15208	3.037	ng	# 85
87) Indeno(1,2,3-cd)pyrene	26.256	276	763279	15.083	ng	# 93
88) Benzo(b)fluoranthene	23.086	252	1715144	41.945	ng	98
89) Benzo(k)fluoranthene	23.127	252	607213m	14.517	ng	
90) Benzo(a)pyrene	23.704	252	1201881	30.590	ng	96
91) Dibenzo(a,h)anthracene	26.262	278	228340m	5.410	ng	
92) Benzo(g,h,i)perylene	27.015	276	710464	17.202	ng	97

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

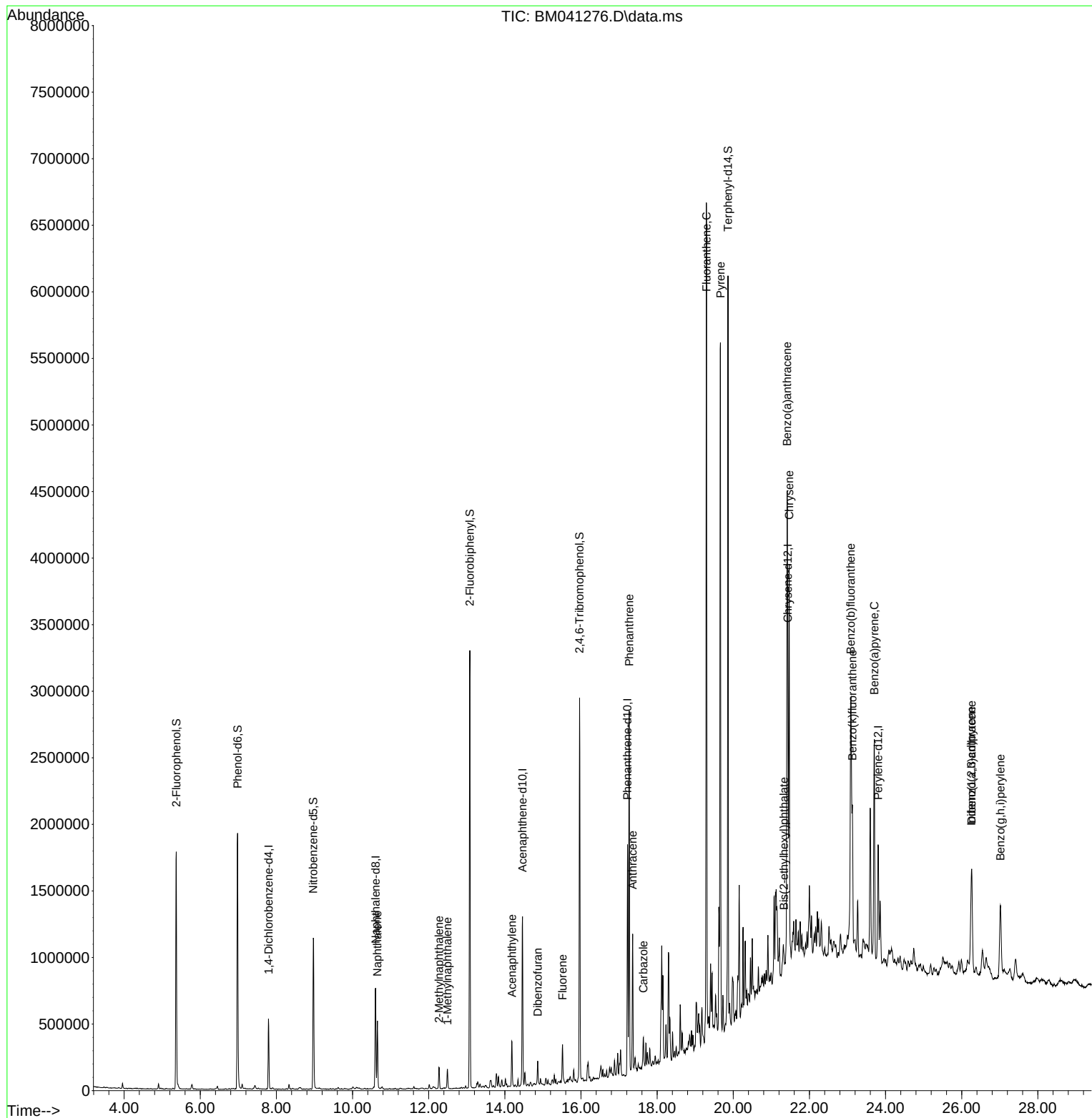
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
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ALS Vial : 21 Sample Multiplier: 1

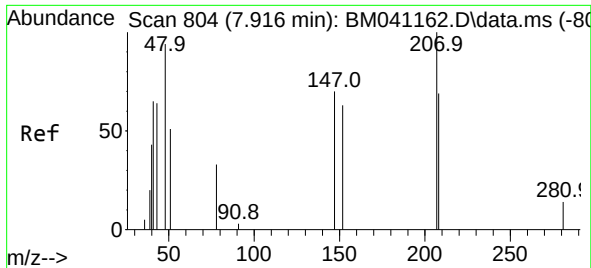
Instrument :
BNA_M
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BUILDING-B-9-(5-10)

Quant Time: Aug 04 01:27:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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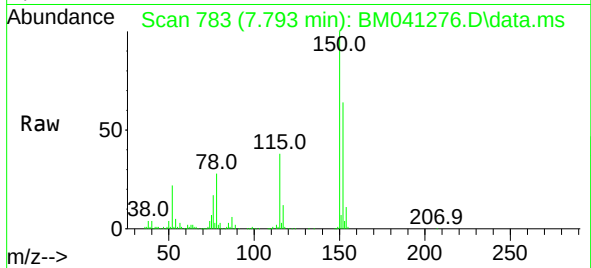
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

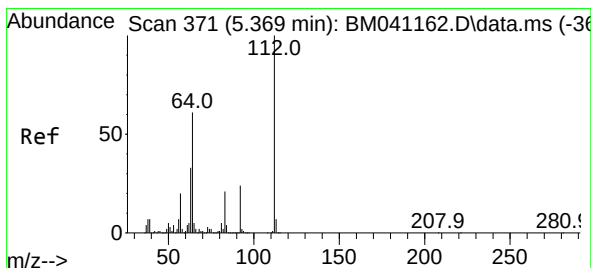
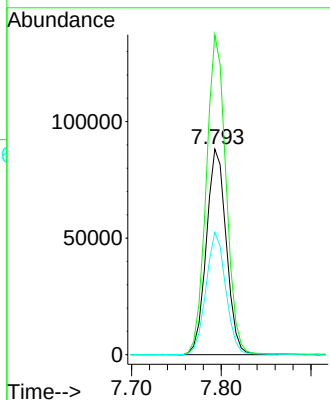
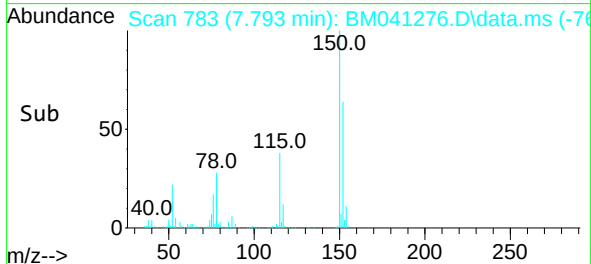
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-9-(5-10)



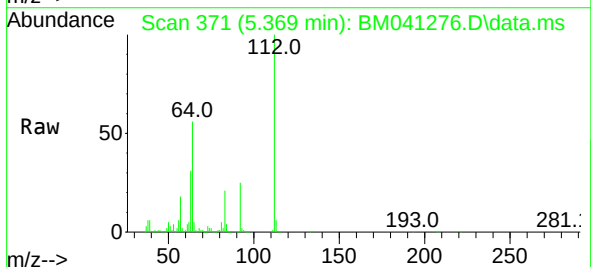
Tgt Ion:152 Resp: 13618
Ion Ratio Lower Upper
152 100
150 155.6 125.5 188.3
115 59.6 48.0 72.0

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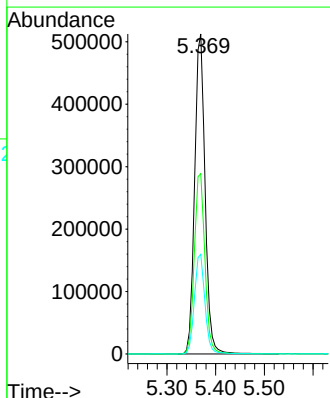
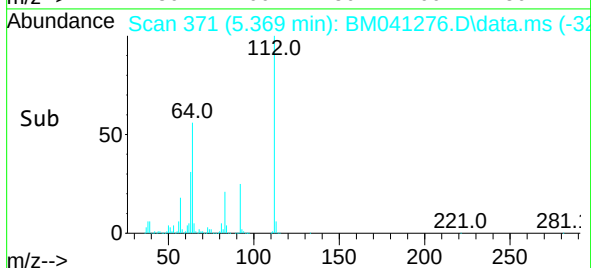
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

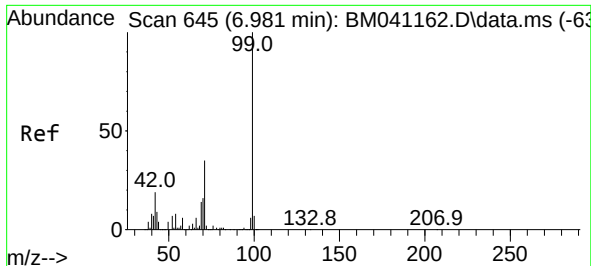


#5
2-Fluorophenol
Concen: 84.242 ng
RT: 5.369 min Scan# 371
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55



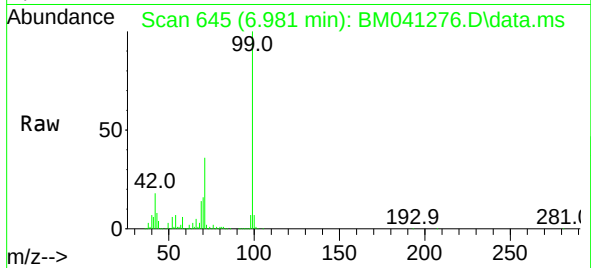
Tgt Ion:112 Resp: 767579
Ion Ratio Lower Upper
112 100
64 56.4 48.5 72.7
63 31.2 26.5 39.7





#7
Phenol-d6
Concen: 90.820 ng
RT: 6.981 min Scan# 645
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

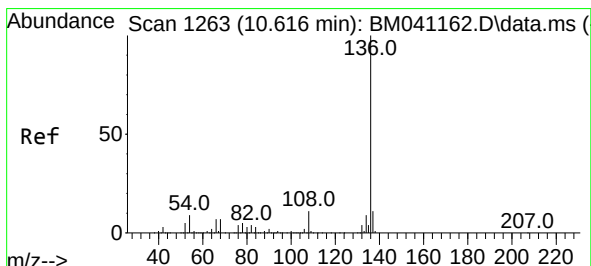
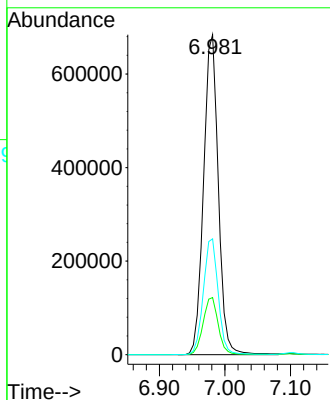
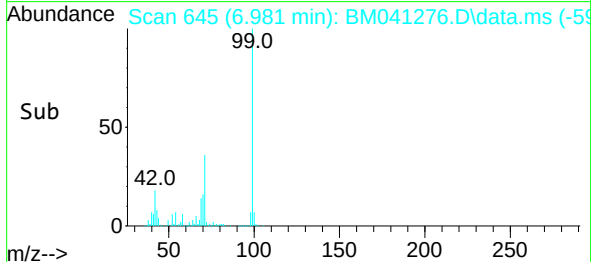
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-9-(5-10)



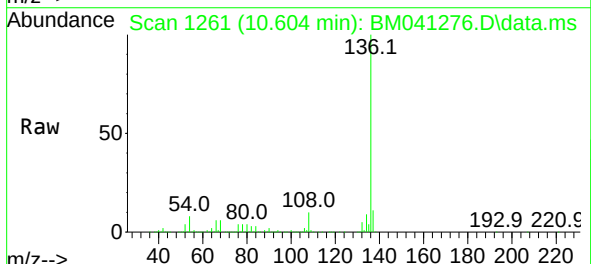
Tgt Ion: 99 Resp: 1072660
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 36.2 28.2 42.4

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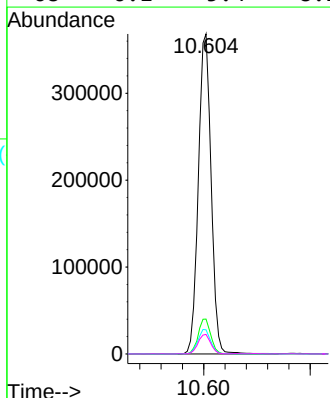
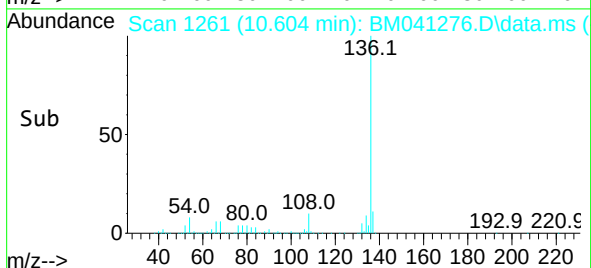
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

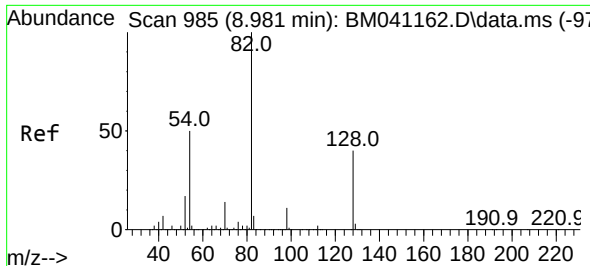


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55



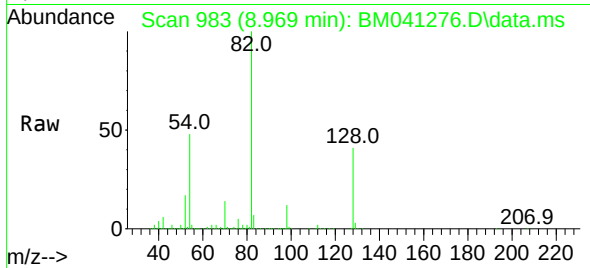
Tgt Ion:136 Resp: 612010
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.6 6.9 10.3
68 6.1 5.4 8.2





#23
Nitrobenzene-d5
Concen: 51.077 ng
RT: 8.969 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

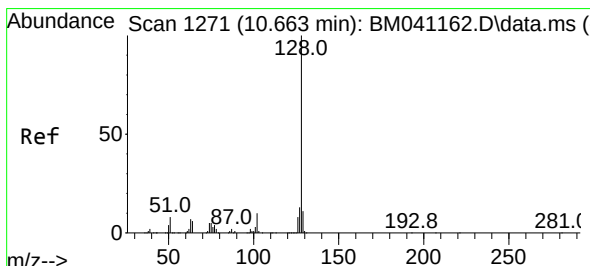
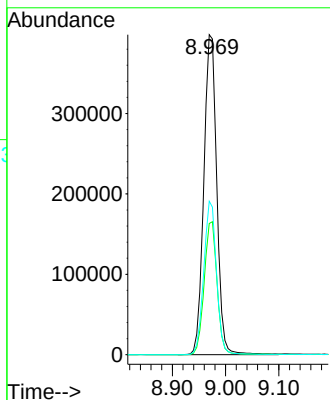
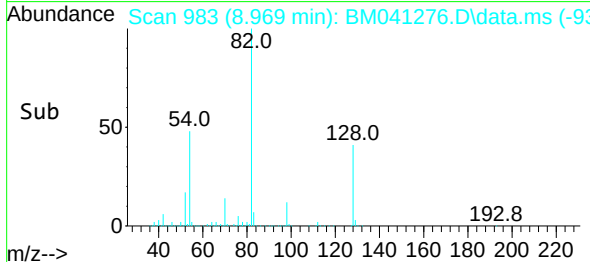
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-9-(5-10)



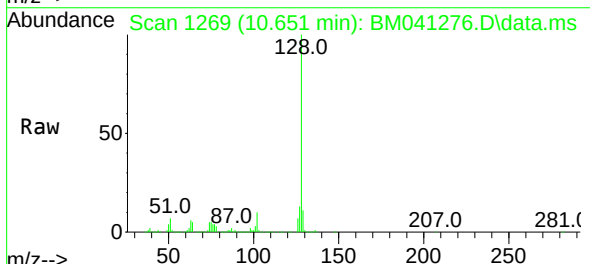
Tgt Ion: 82 Resp: 672180
Ion Ratio Lower Upper
82 100
128 41.0 31.8 47.6
54 48.0 40.1 60.1

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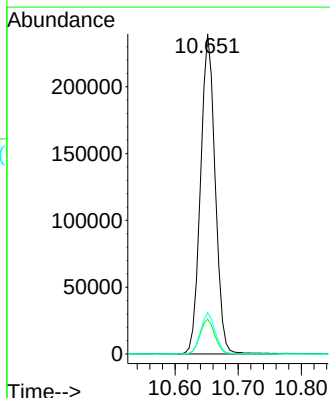
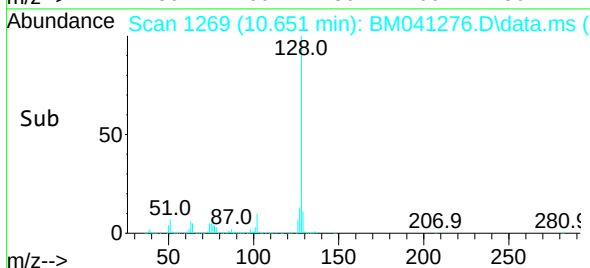
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

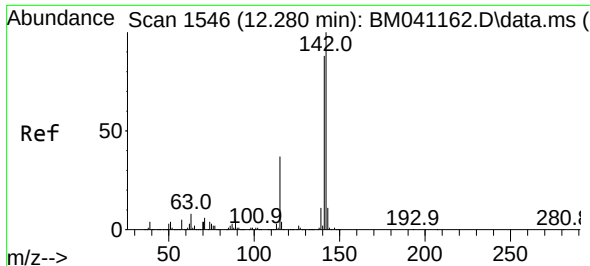


#31
Naphthalene
Concen: 11.596 ng
RT: 10.651 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55



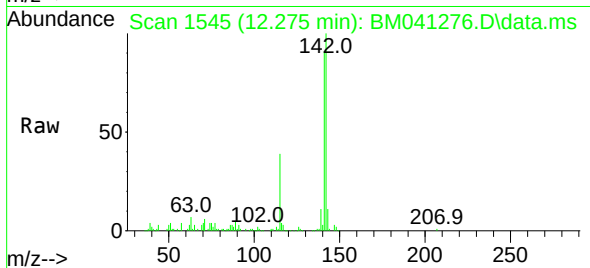
Tgt Ion:128 Resp: 385131
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 12.9 10.5 15.7





#37
2-Methylnaphthalene
Concen: 3.275 ng
RT: 12.275 min Scan# 1545
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

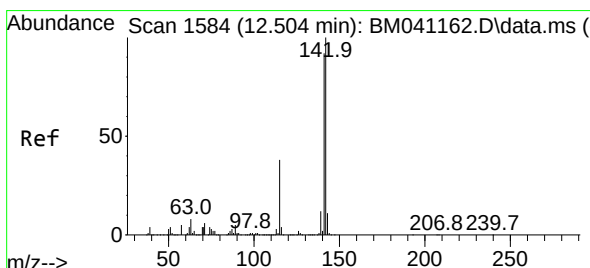
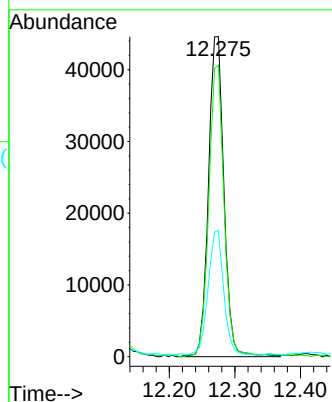
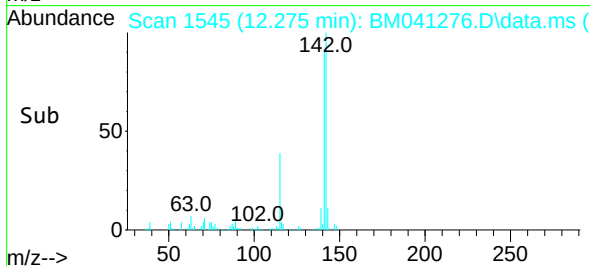
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BUILDING-B-9-(5-10)



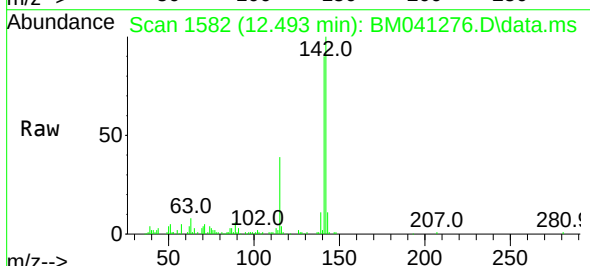
Tgt Ion:142 Resp: 7333
Ion Ratio Lower Upper
142 100
141 91.1 70.7 106.1
115 39.5 29.3 43.9

Manual Integrations
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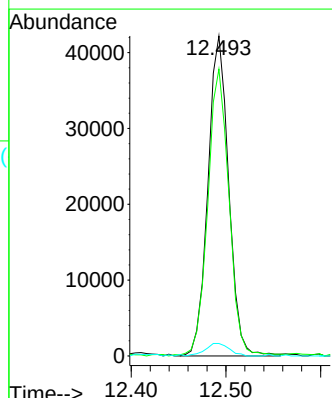
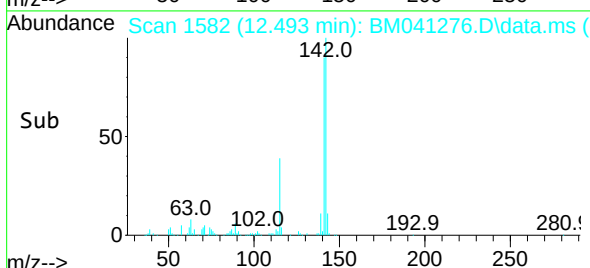
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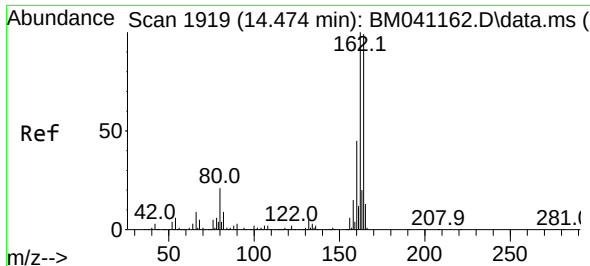


#38
1-Methylnaphthalene
Concen: 3.067 ng
RT: 12.493 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55



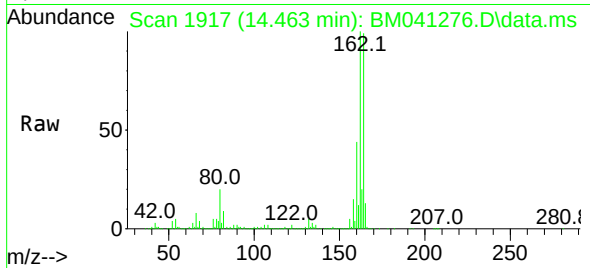
Tgt Ion:142 Resp: 64265
Ion Ratio Lower Upper
142 100
141 89.7 73.4 110.2
116 3.9 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

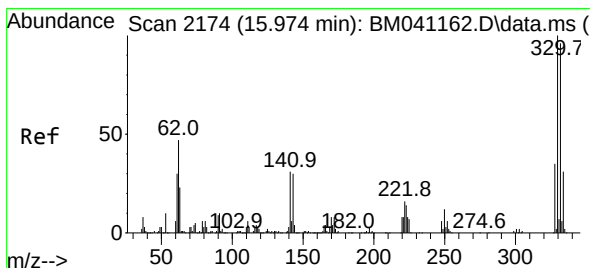
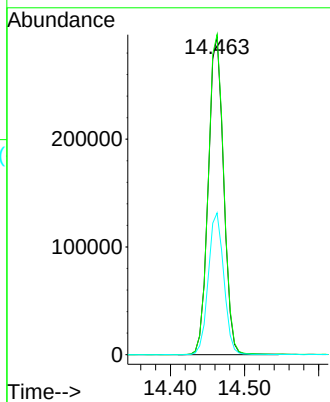
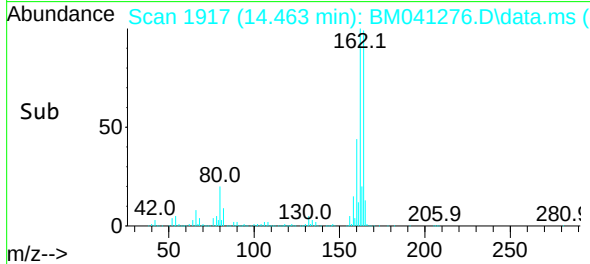
Instrument :
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ClientSampleId :
BUILDING-B-9-(5-10)



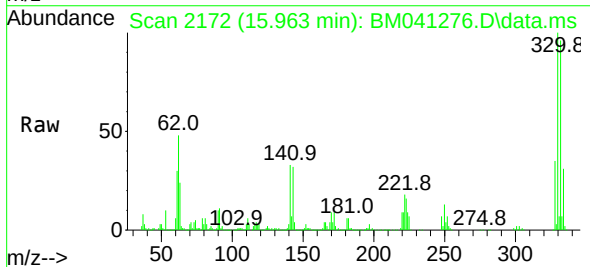
Tgt Ion:164 Resp: 424623
Ion Ratio Lower Upper
164 100
162 100.5 80.4 120.6
160 44.5 36.2 54.2

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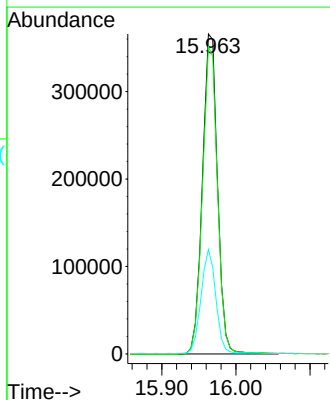
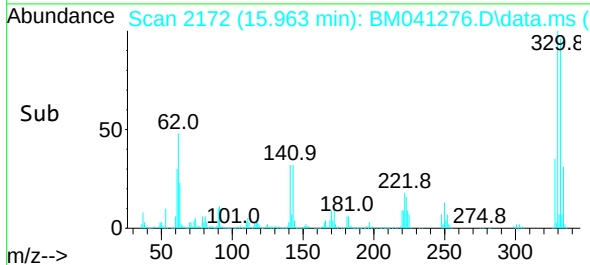
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

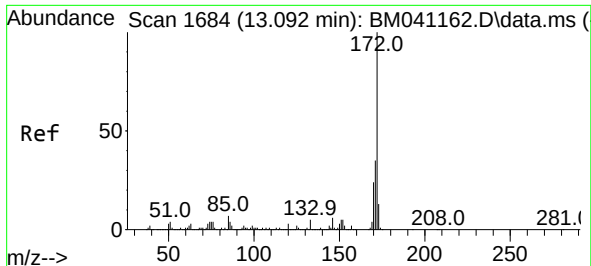


#42
2,4,6-Tribromophenol
Concen: 86.039 ng
RT: 15.963 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55



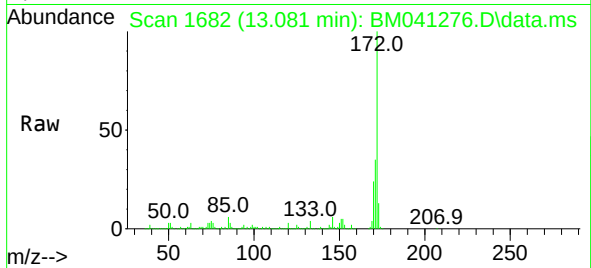
Tgt Ion:330 Resp: 516755
Ion Ratio Lower Upper
330 100
332 96.0 77.7 116.5
141 31.8 28.3 42.5





#45
2-Fluorobiphenyl
Concen: 47.796 ng
RT: 13.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

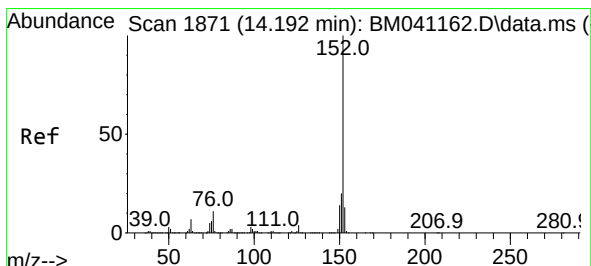
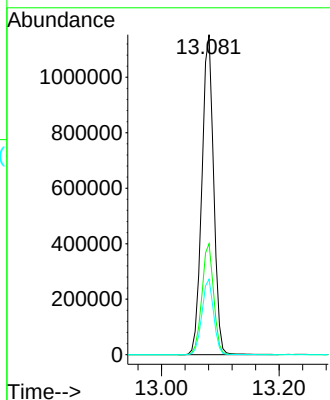
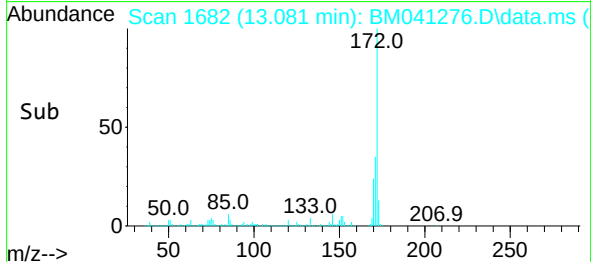
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BUILDING-B-9-(5-10)



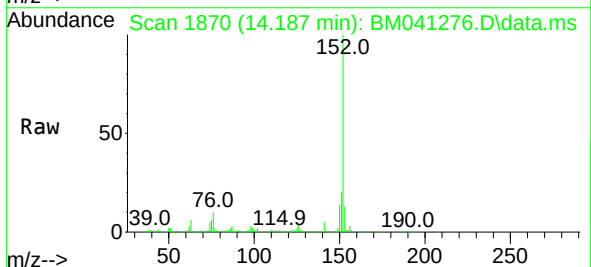
Tgt Ion:172 Resp: 160658
Ion Ratio Lower Upper
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171 34.7 28.1 42.1
170 23.6 18.9 28.3

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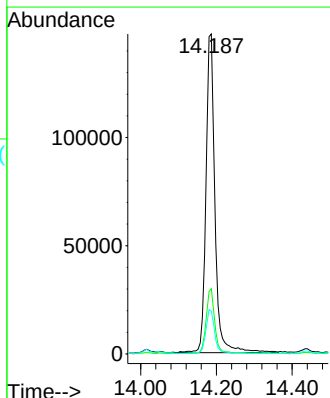
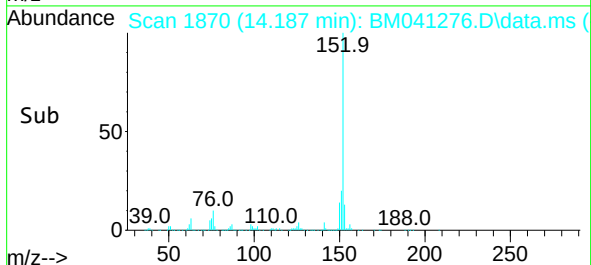
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

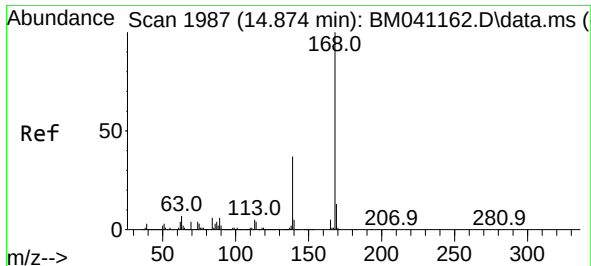


#49
Acenaphthylene
Concen: 5.838 ng
RT: 14.187 min Scan# 1870
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55



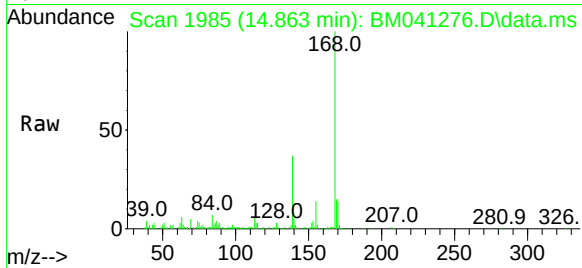
Tgt Ion:152 Resp: 242204
Ion Ratio Lower Upper
152 100
151 20.4 16.1 24.1
153 13.4 10.5 15.7





#55
Dibenzenofuran
Concen: 2.190 ng
RT: 14.863 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

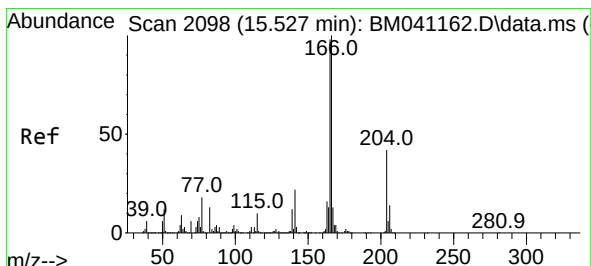
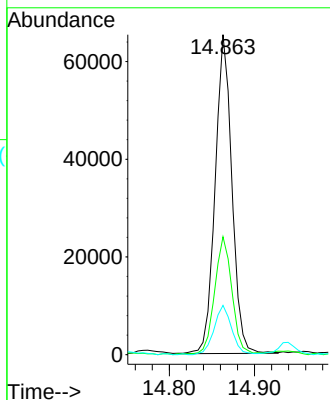
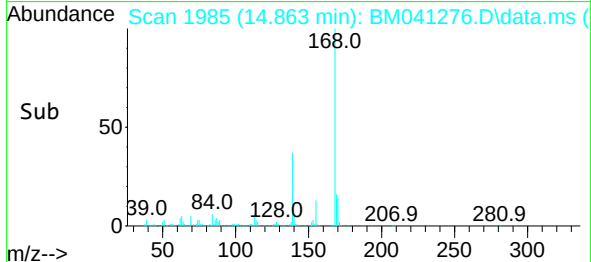
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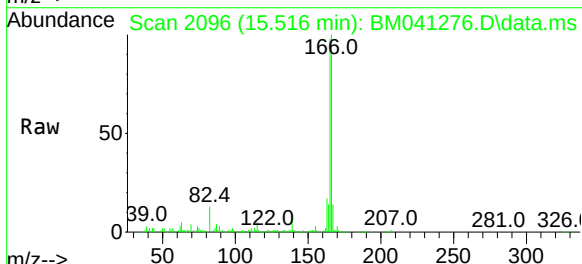
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Ion Ratio Lower Upper
168 100
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169 15.4 10.5 15.7

Manual Integrations
APPROVED

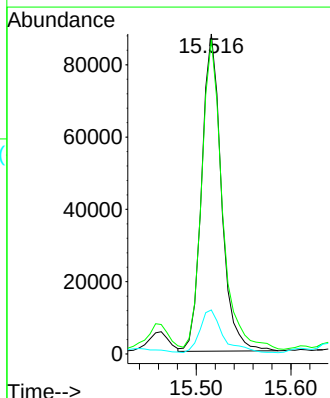
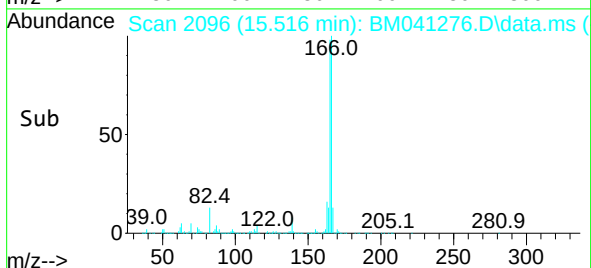
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

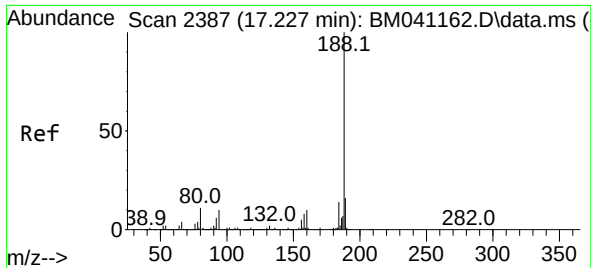


#58
Fluorene
Concen: 3.950 ng
RT: 15.516 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55



Tgt Ion:166 Resp: 127066
Ion Ratio Lower Upper
166 100
165 98.2 78.2 117.4
167 13.8 10.6 16.0





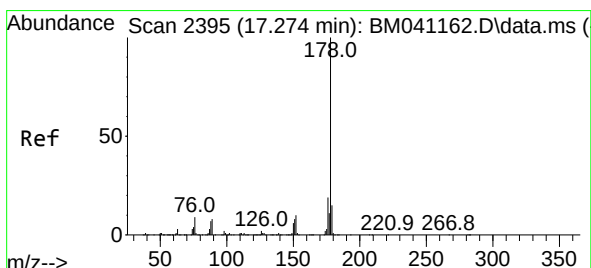
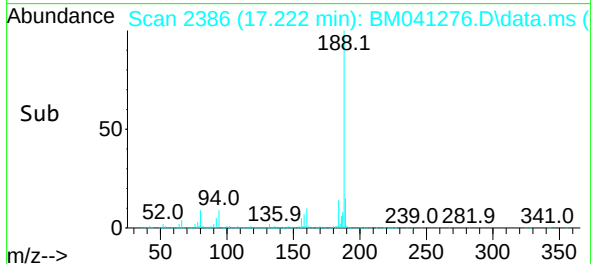
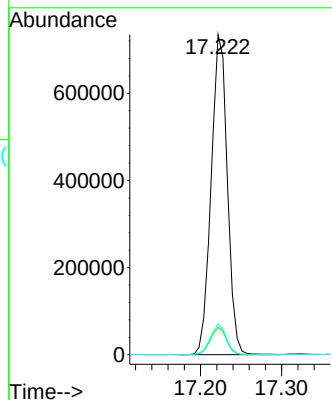
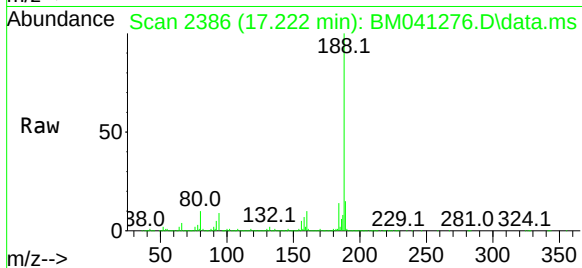
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-9-(5-10)

Tgt Ion:188 Resp: 1014839
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.2
80 9.5 8.6 13.0

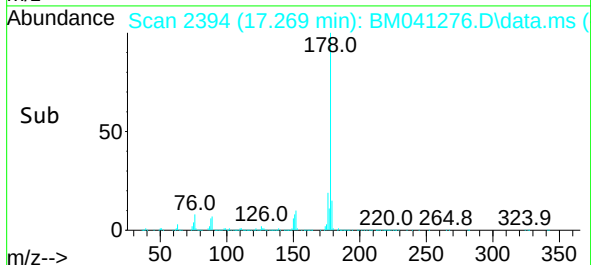
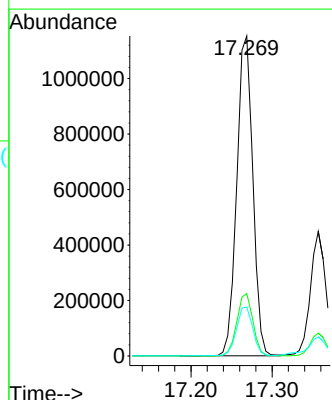
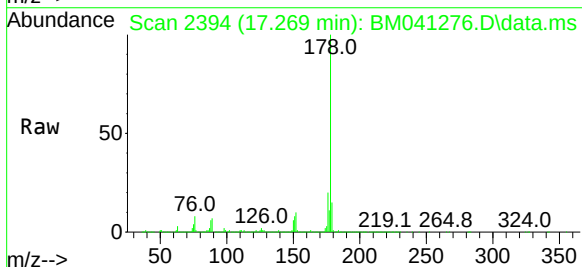
Manual Integrations
APPROVED

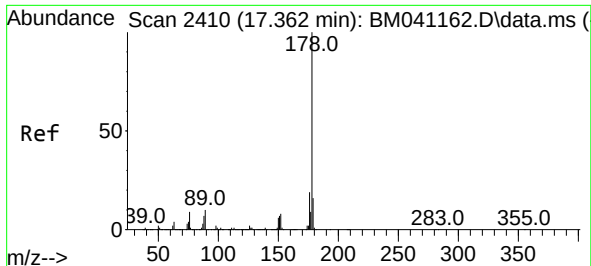
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#71
Phenanthrene
Concen: 27.997 ng
RT: 17.269 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

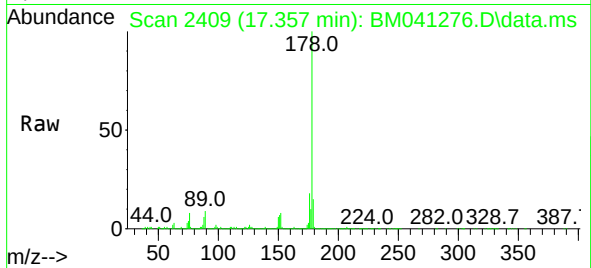
Tgt Ion:178 Resp: 1578625
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.3 12.1 18.1





#72
 Anthracene
 Concen: 10.481 ng
 RT: 17.357 min Scan# 2410
 Delta R.T. 0.000 min
 Lab File: BM041276.D
 Acq: 03 Aug 2023 23:55

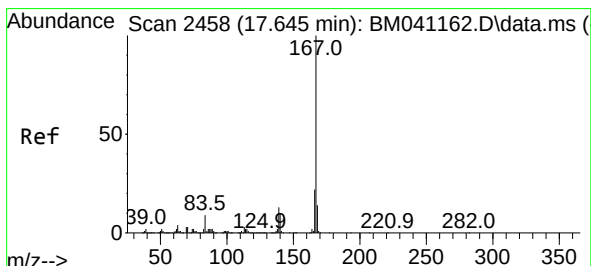
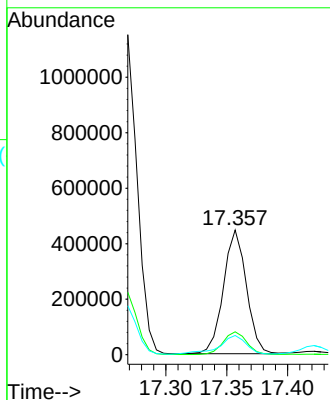
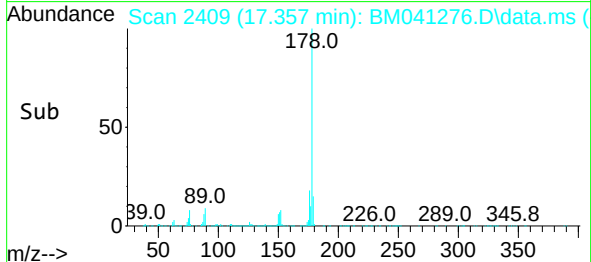
Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-B-9-(5-10)



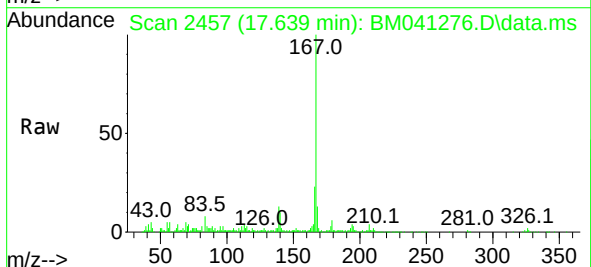
Tgt Ion:178 Resp: 584502
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.2 22.8
 179 15.4 12.4 18.6

Manual Integrations
 APPROVED

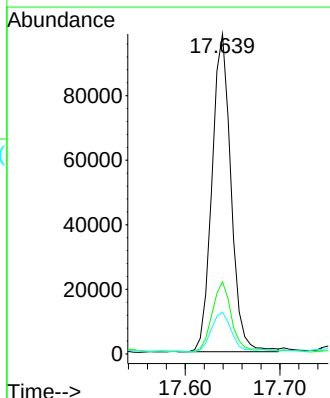
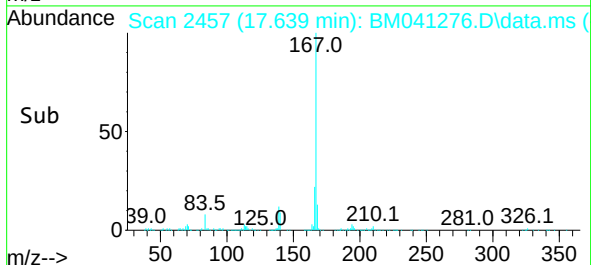
Reviewed By :Yogesh Patel 08/04/2023
 Supervised By :mohammad ahmed 08/04/2023

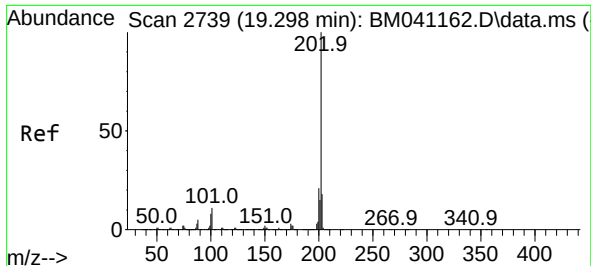


#73
 Carbazole
 Concen: 2.717 ng
 RT: 17.639 min Scan# 2457
 Delta R.T. 0.000 min
 Lab File: BM041276.D
 Acq: 03 Aug 2023 23:55



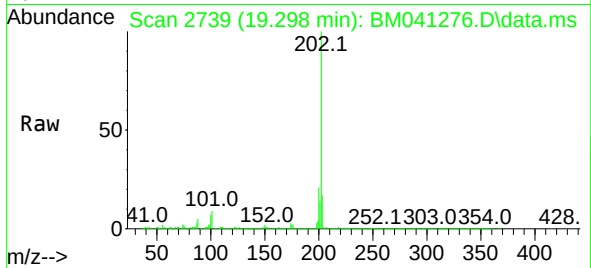
Tgt Ion:167 Resp: 137132
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.3 25.9
 139 13.1 10.3 15.5





#75
Fluoranthene
Concen: 54.008 ng
RT: 19.298 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

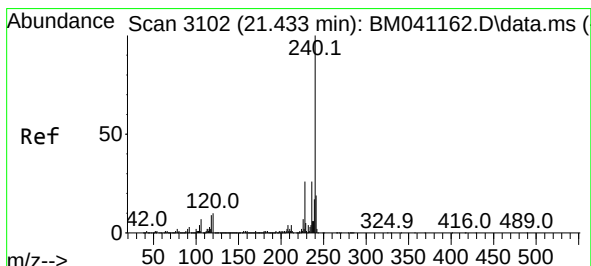
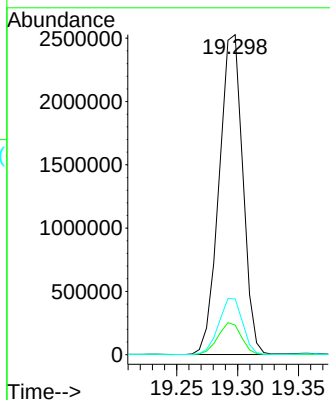
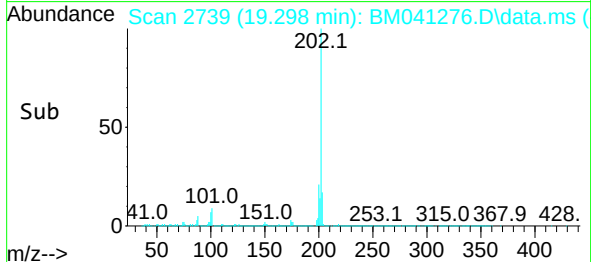
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-9-(5-10)



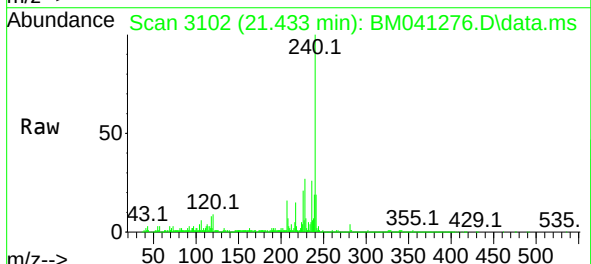
Tgt Ion:202 Resp: 3421259
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.8
203 17.5 0.0 37.6

Manual Integrations
APPROVED

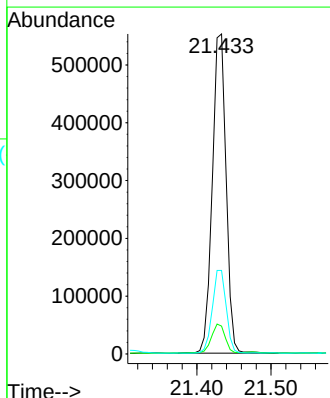
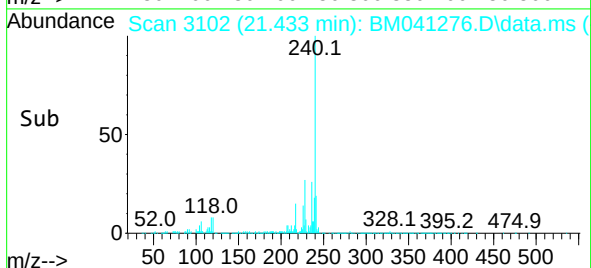
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

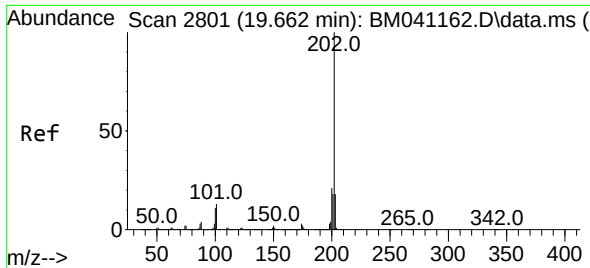


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55



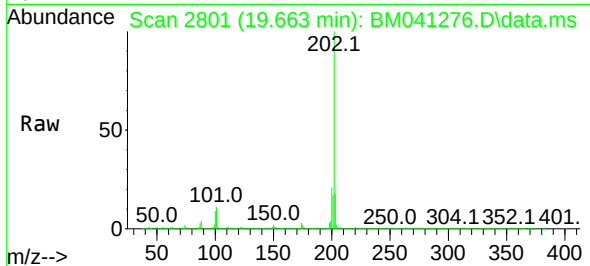
Tgt Ion:240 Resp: 713362
Ion Ratio Lower Upper
240 100
120 8.7 8.3 12.5
236 26.1 20.6 30.8





#78
Pyrene
Concen: 63.746 ng
RT: 19.663 min Scan# 2801
Delta R.T. 0.006 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

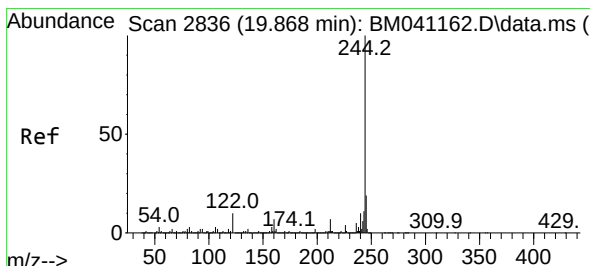
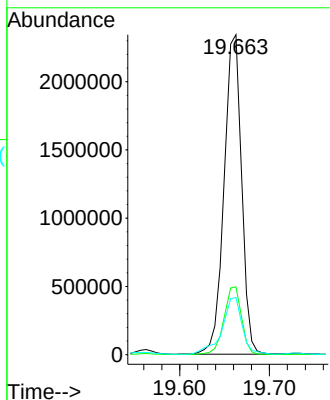
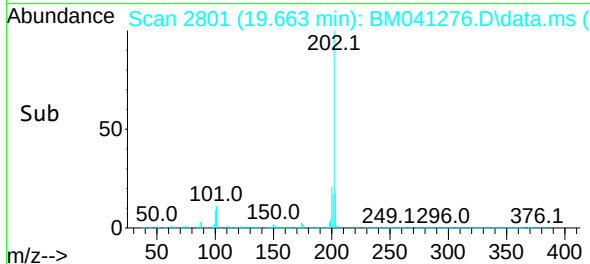
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-9-(5-10)



Tgt Ion:202 Resp: 318004
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.9 14.1 21.1

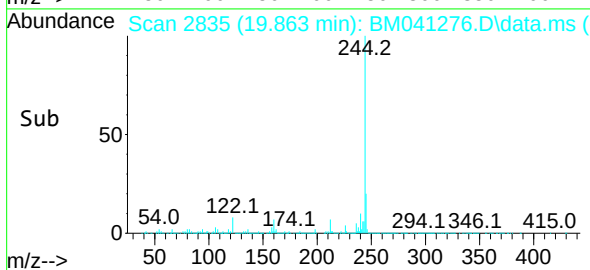
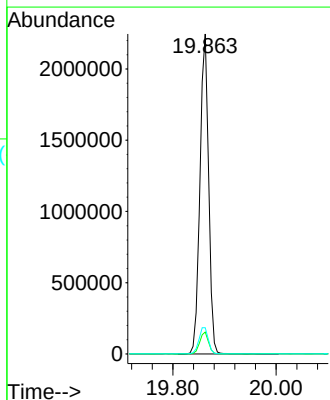
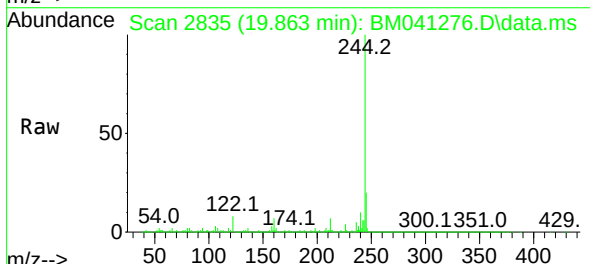
Manual Integrations
APPROVED

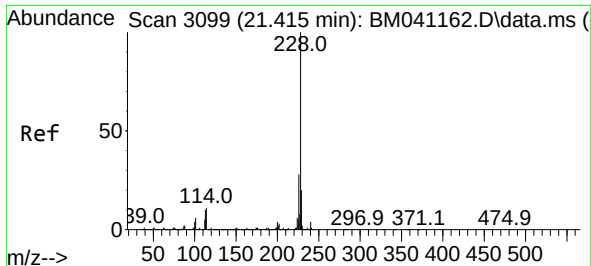
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#79
Terphenyl-d14
Concen: 66.166 ng
RT: 19.863 min Scan# 2835
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

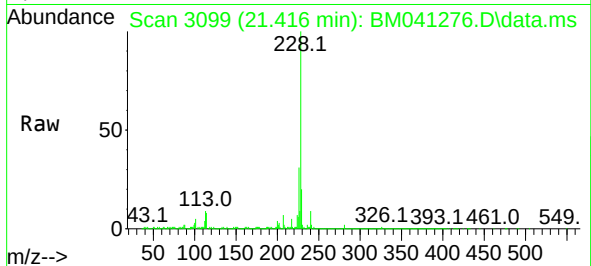
Tgt Ion:244 Resp: 2610556
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 8.2 7.8 11.6





#81
Benzo(a)anthracene
Concen: 35.198 ng
RT: 21.416 min Scan# 3099
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

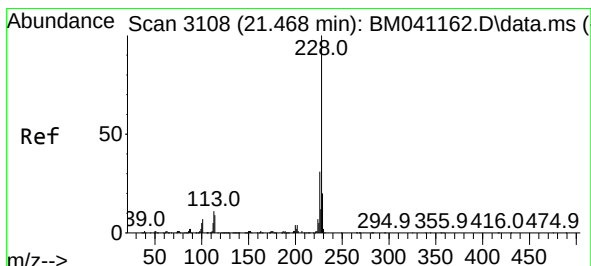
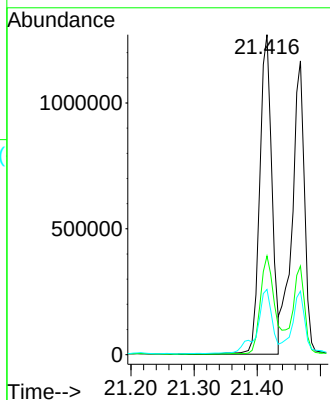
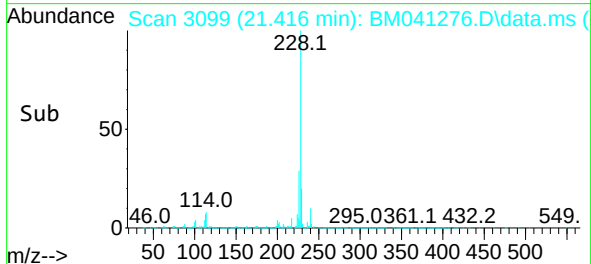
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-9-(5-10)



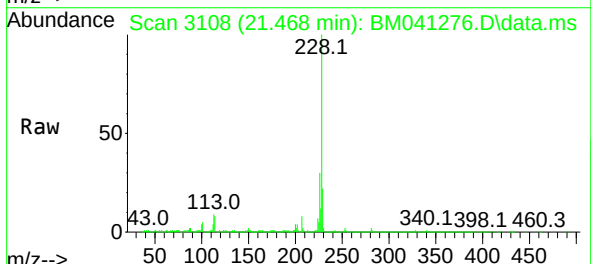
Tgt Ion:228 Resp: 170218
Ion Ratio Lower Upper
228 100
226 30.9 22.4 33.6
229 20.4 15.8 23.8

Manual Integrations
APPROVED

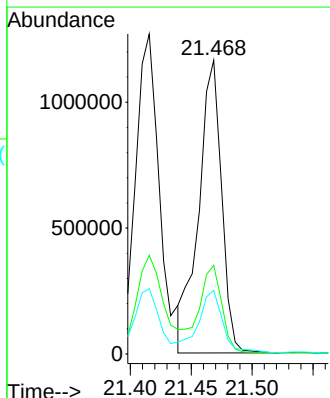
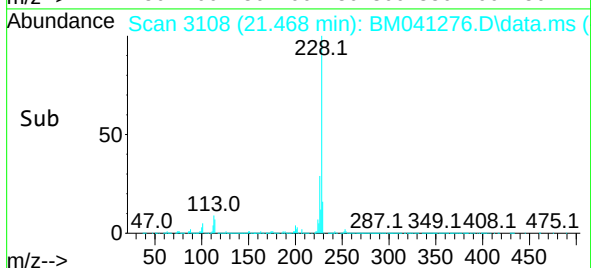
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

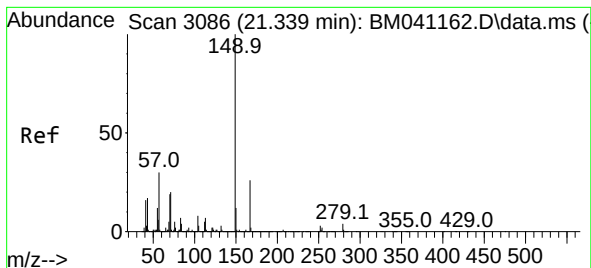


#83
Chrysene
Concen: 32.671 ng
RT: 21.468 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55



Tgt Ion:228 Resp: 1528228
Ion Ratio Lower Upper
228 100
226 30.2 24.5 36.7
229 21.6 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.037 ng

RT: 21.333 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM041276.D

Acq: 03 Aug 2023 23:55

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-9-(5-10)

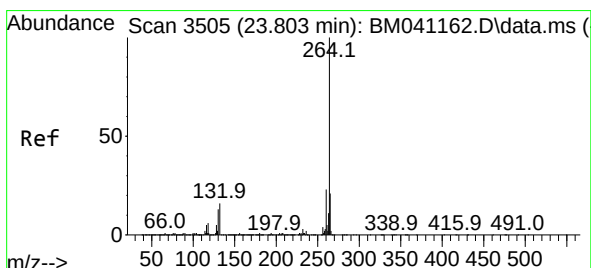
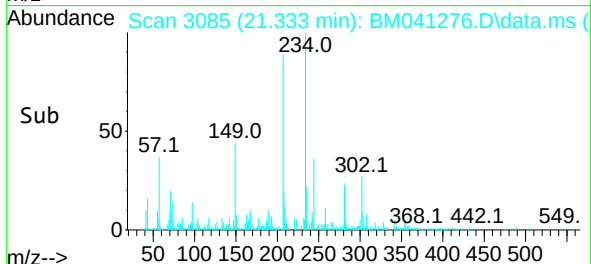
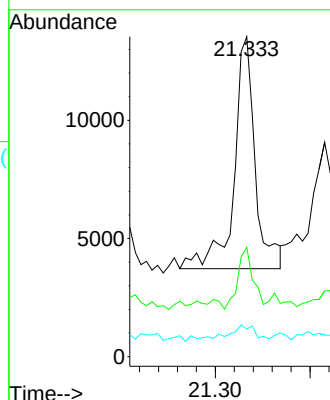
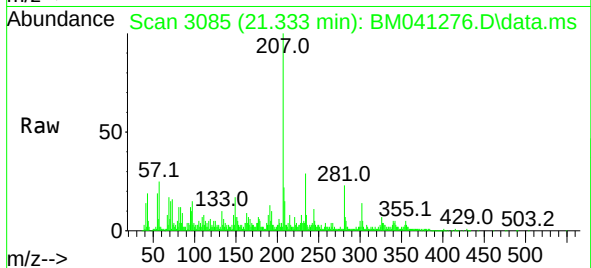
Tgt Ion:149 Resp: 15208
 Ion Ratio Lower Upper
 149 100
 167 34.2 21.0 31.6
 279 8.7 3.1 4.7

Manual Integrations

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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

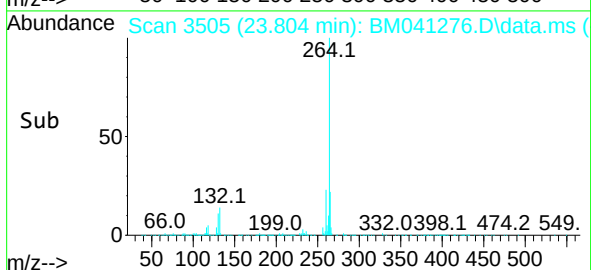
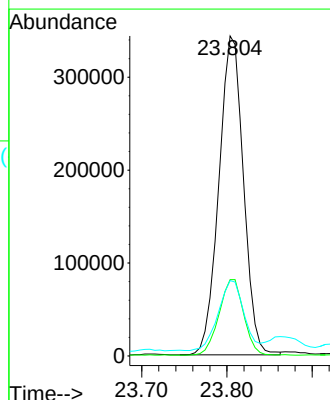
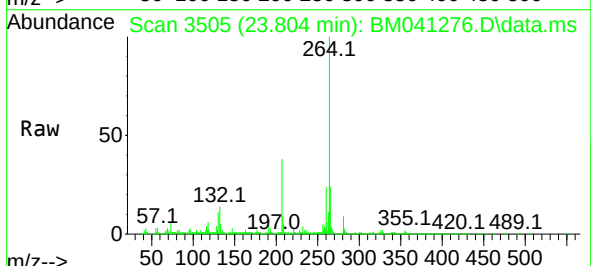
RT: 23.804 min Scan# 3505

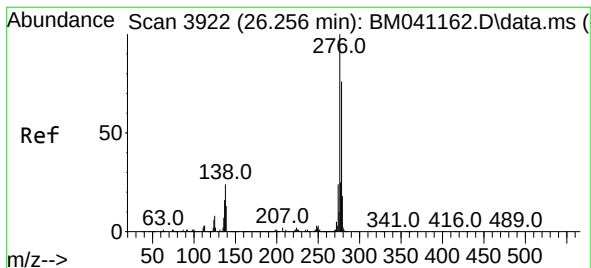
Delta R.T. 0.000 min

Lab File: BM041276.D

Acq: 03 Aug 2023 23:55

Tgt Ion:264 Resp: 688319
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.5 27.7
 265 23.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.083 ng

RT: 26.256 min Scan# 3922

Delta R.T. -0.006 min

Lab File: BM041276.D

Acq: 03 Aug 2023 23:55

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-9-(5-10)

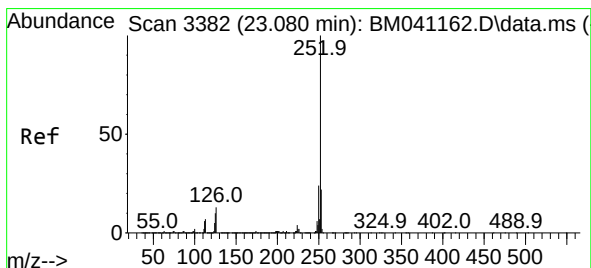
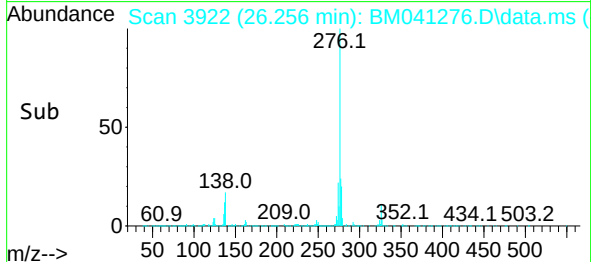
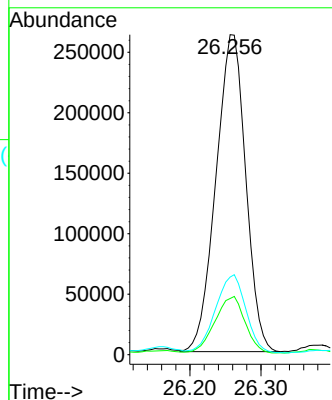
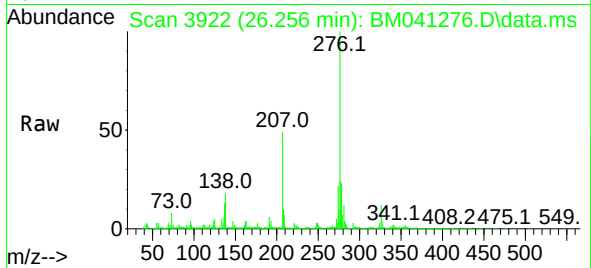
Tgt Ion:	276	Resp:	763279
Ion Ratio	Lower	Upper	
276	100		
138	18.0	20.0	30.0
277	25.2	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#88

Benzo(b)fluoranthene

Concen: 41.945 ng

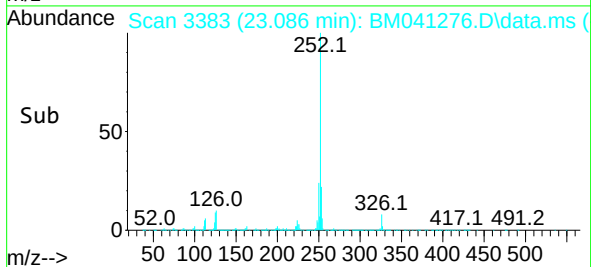
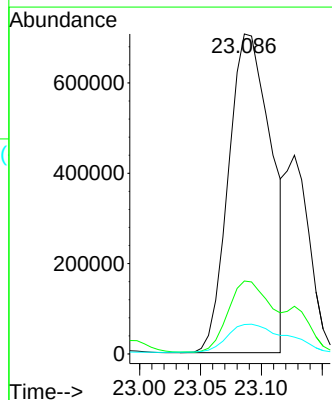
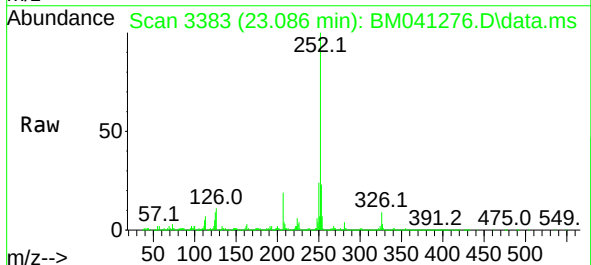
RT: 23.086 min Scan# 3383

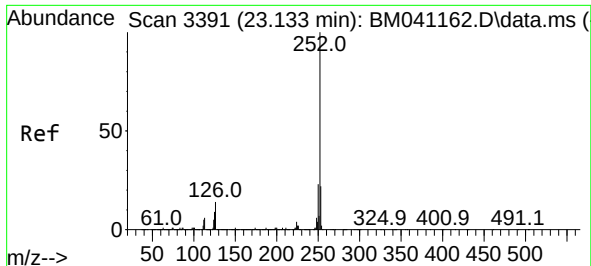
Delta R.T. 0.000 min

Lab File: BM041276.D

Acq: 03 Aug 2023 23:55

Tgt Ion:	252	Resp:	1715144
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.7	26.5
125	9.2	8.2	12.4





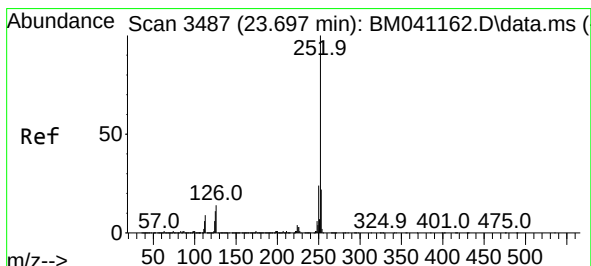
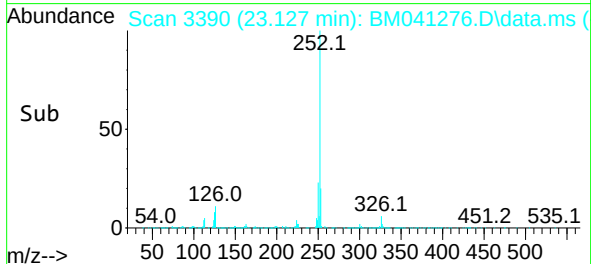
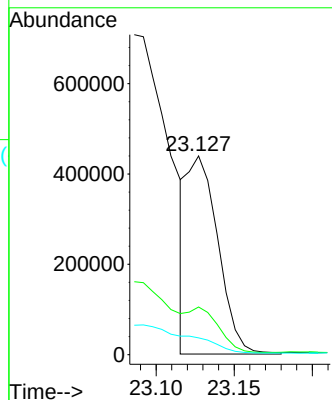
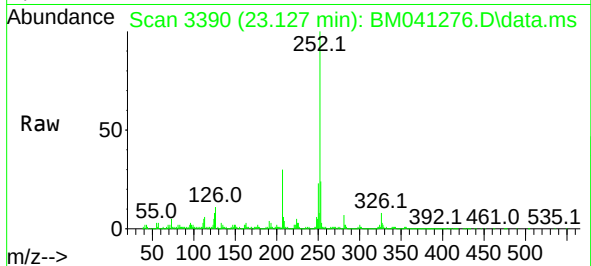
#89
Benzo(k)fluoranthene
Concen: 14.517 ng m
RT: 23.127 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-9-(5-10)

Tgt Ion:252 Resp: 60721
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 8.5 7.6 11.4

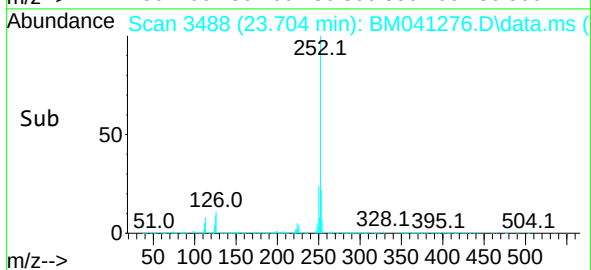
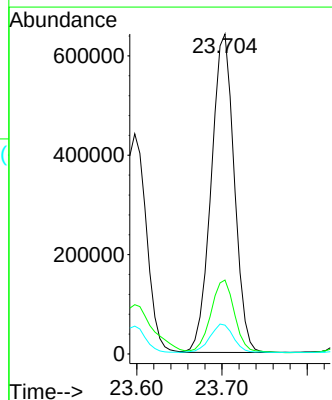
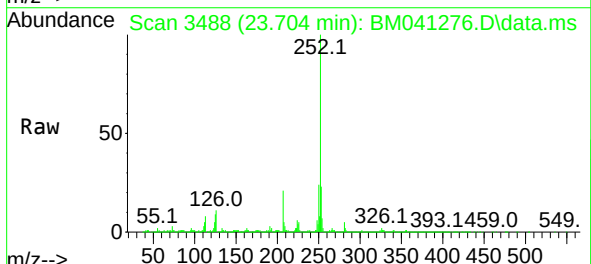
Manual Integrations
APPROVED

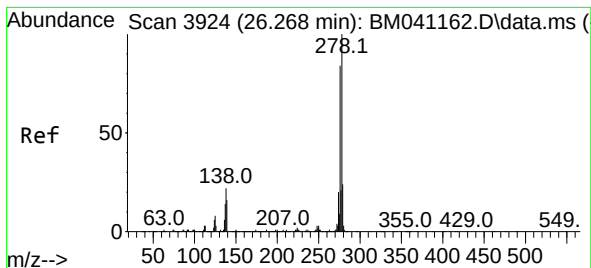
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#90
Benzo(a)pyrene
Concen: 30.590 ng
RT: 23.704 min Scan# 3488
Delta R.T. 0.006 min
Lab File: BM041276.D
Acq: 03 Aug 2023 23:55

Tgt Ion:252 Resp: 1201881
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 9.0 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 5.410 ng m

RT: 26.262 min Scan# 3924

Delta R.T. -0.012 min

Lab File: BM041276.D

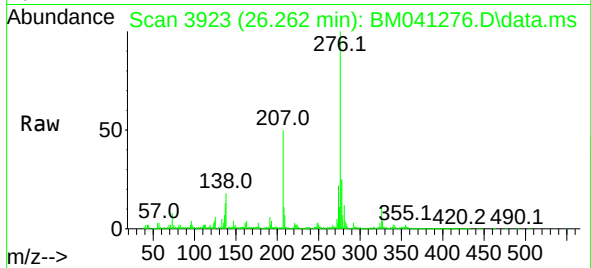
Acq: 03 Aug 2023 23:55

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-9-(5-10)



Tgt Ion:278 Resp: 228340

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1

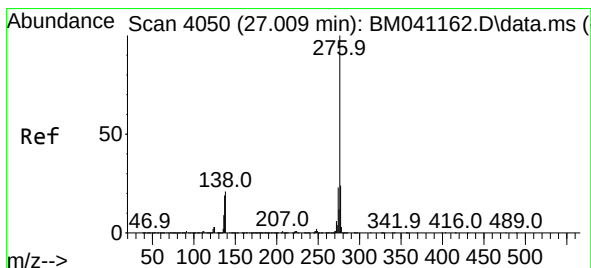
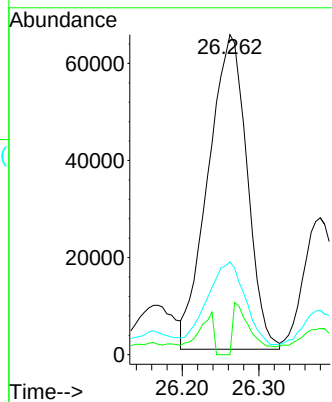
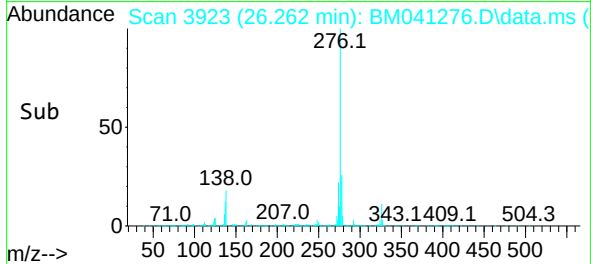
279 29.0 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#92

Benzo(g,h,i)perylene

Concen: 17.202 ng

RT: 27.015 min Scan# 4051

Delta R.T. 0.000 min

Lab File: BM041276.D

Acq: 03 Aug 2023 23:55

Tgt Ion:276 Resp: 710464

Ion Ratio Lower Upper

276 100

277 24.4 19.1 28.7

138 18.7 17.1 25.7

