

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
 Data File : BM041277.D
 Acq On : 04 Aug 2023 00:32
 Operator : MA/JU
 Sample : 03862-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-B-15-(5-10)

Manual Integrations
 APPROVED

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

Quant Time: Aug 04 01:27:28 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	158337	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	698623	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	466120	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	983580	20.000	ng	0.00
76) Chrysene-d12	21.427	240	628502	20.000	ng	0.00
86) Perylene-d12	23.803	264	650528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	940973	88.821	ng	0.00
7) Phenol-d6	6.981	99	1283438	93.460	ng	0.00
23) Nitrobenzene-d5	8.975	82	813834	54.174	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	641089	97.237	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	1994823	54.062	ng	0.00
79) Terphenyl-d14	19.862	244	2687581	77.315	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.651	128	192943	5.089	ng	99
37) 2-Methylnaphthalene	12.269	142	73678	2.883	ng	98
38) 1-Methylnaphthalene	12.492	142	65089	2.721	ng	97
49) Acenaphthylene	14.186	152	320238	7.032	ng	100
58) Fluorene	15.515	166	96545	2.734	ng	97
71) Phenanthrene	17.268	178	1267678	23.197	ng	99
72) Anthracene	17.357	178	417266	7.720	ng	100
75) Fluoranthene	19.292	202	1616325	26.326	ng	99
78) Pyrene	19.656	202	1817847	41.360	ng	99
81) Benzo(a)anthracene	21.409	228	870288	20.426	ng	97
83) Chrysene	21.462	228	807913	19.604	ng	98
84) Bis(2-ethylhexyl)phtha...	21.333	149	20352	3.295	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.250	276	467046	9.765	ng	# 93
88) Benzo(b)fluoranthene	23.086	252	909453	23.533	ng	98
89) Benzo(k)fluoranthene	23.127	252	266811m	6.749	ng	
90) Benzo(a)pyrene	23.697	252	756972	20.386	ng	97
91) Dibenzo(a,h)anthracene	26.256	278	142101m	3.562	ng	
92) Benzo(g,h,i)perylene	27.009	276	497648	12.749	ng	97

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

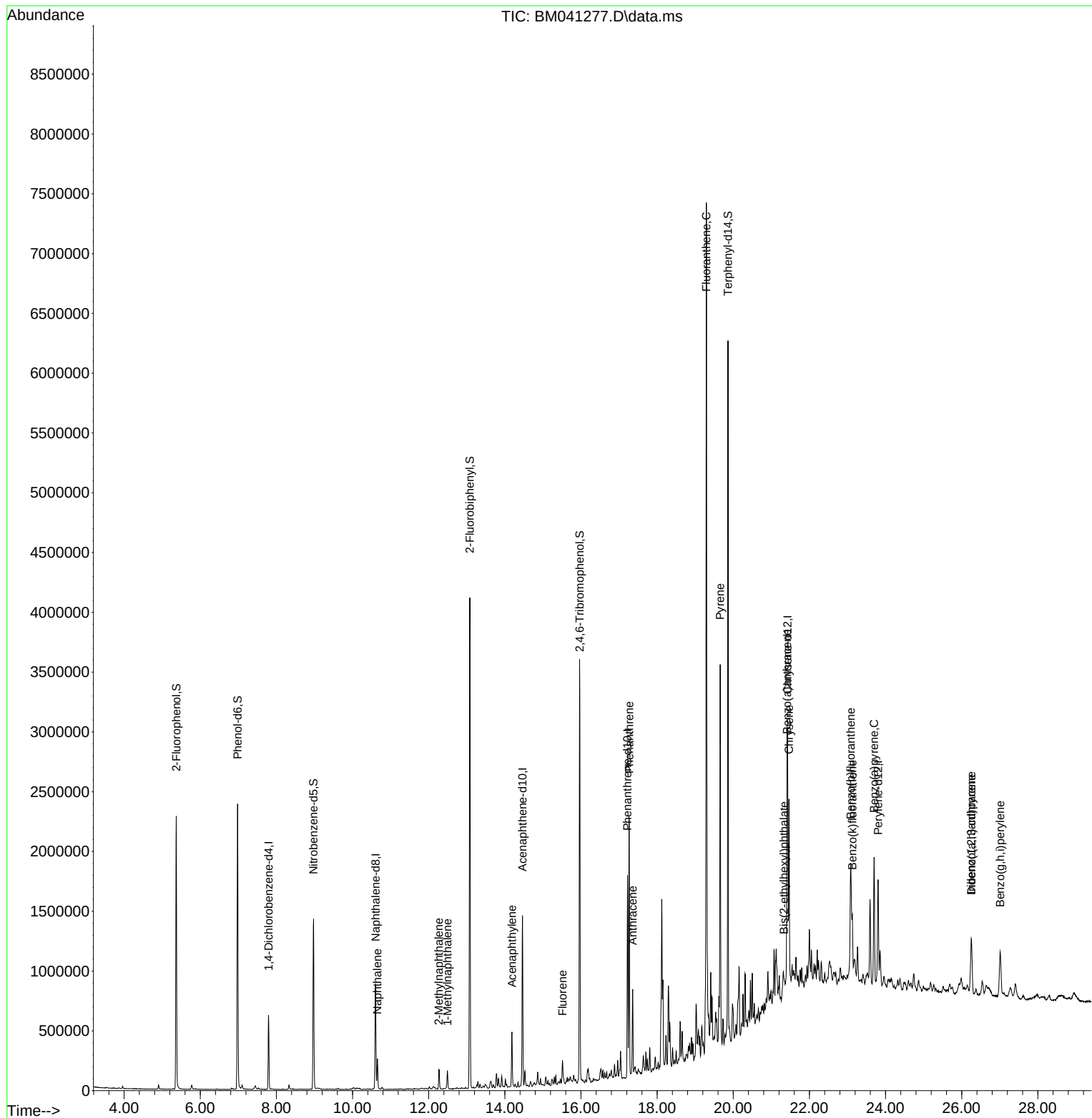
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041277.D
Acq On : 04 Aug 2023 00:32
Operator : MA/JU
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Misc :
ALS Vial : 22 Sample Multiplier: 1

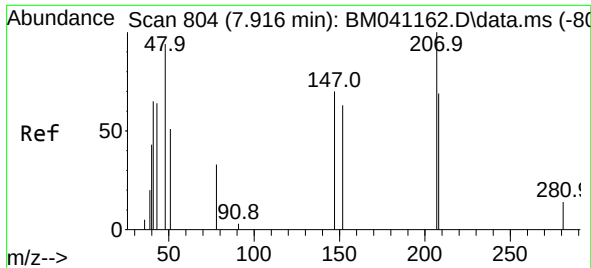
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Quant Time: Aug 04 01:27:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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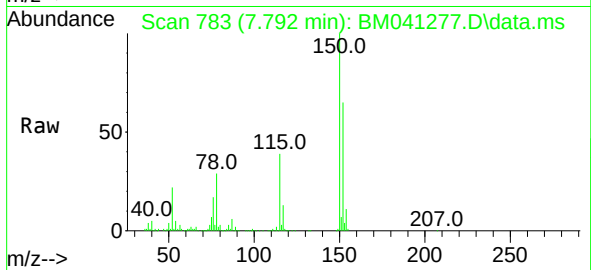
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 71
Delta R.T. -0.001 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

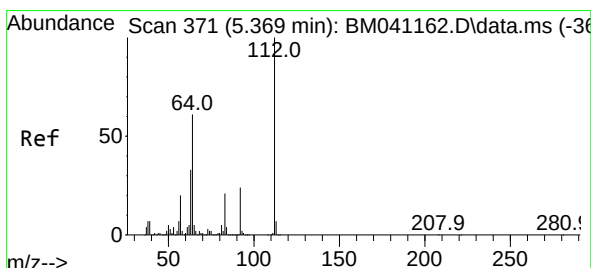
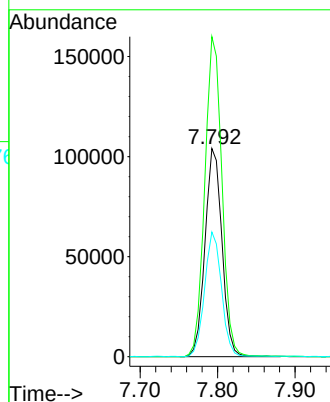
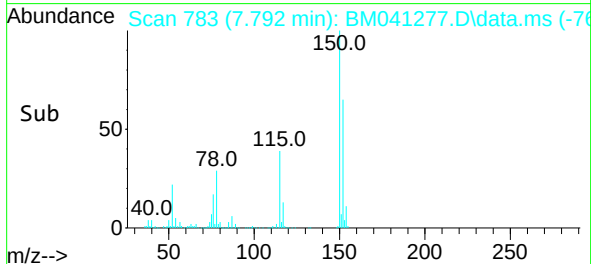
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)



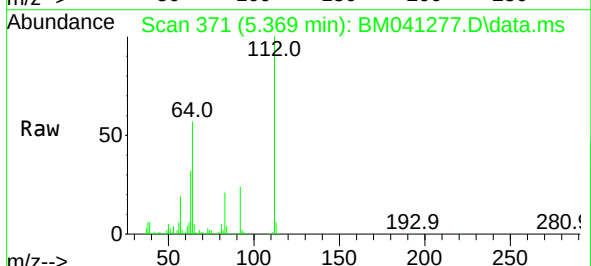
Tgt Ion:152 Resp: 15833
Ion Ratio Lower Upper
152 100
150 153.7 125.5 188.3
115 59.9 48.0 72.0

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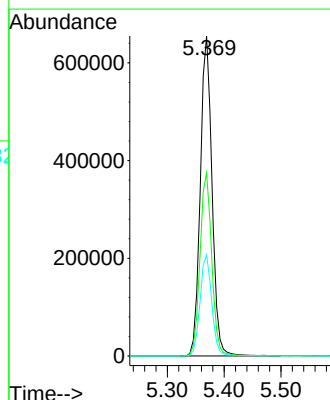
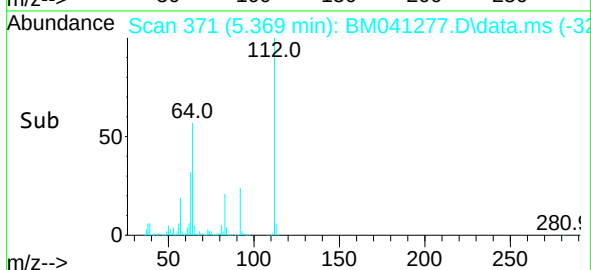
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

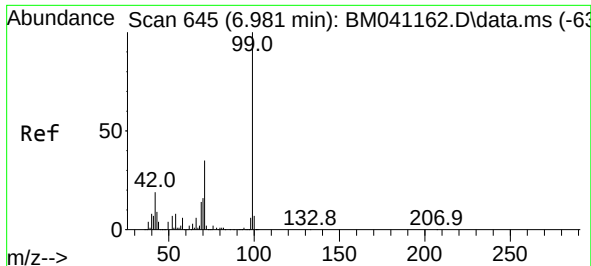


#5
2-Fluorophenol
Concen: 88.821 ng
RT: 5.369 min Scan# 371
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32



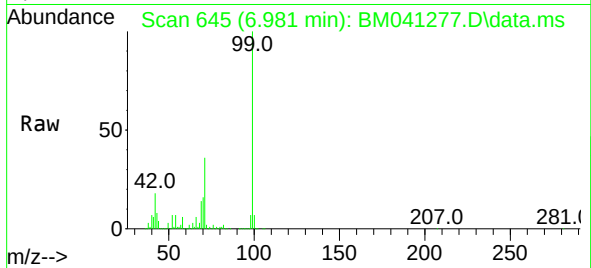
Tgt Ion:112 Resp: 940973
Ion Ratio Lower Upper
112 100
64 57.2 48.5 72.7
63 31.5 26.5 39.7





#7
Phenol-d6
Concen: 93.460 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

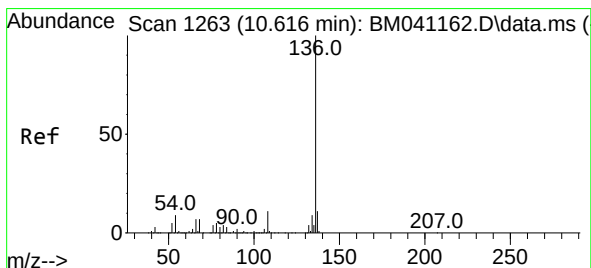
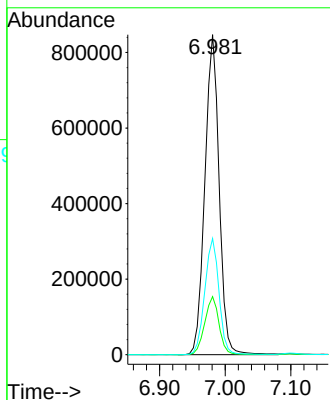
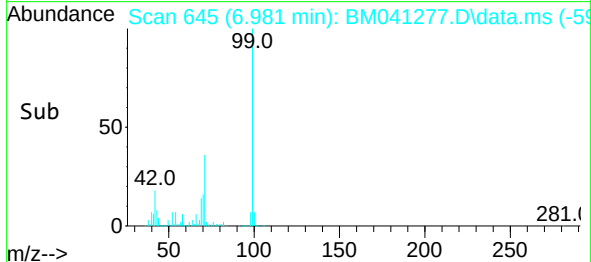
Instrument :
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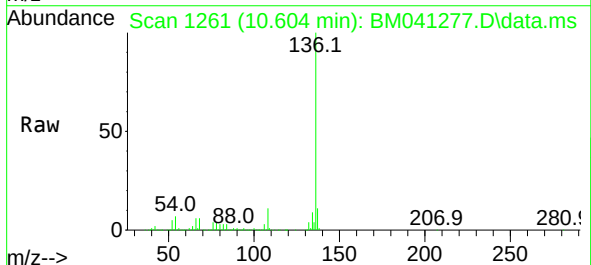
Tgt Ion: 99 Resp: 1283438
Ion Ratio Lower Upper
99 100
42 18.1 15.4 23.0
71 36.3 28.2 42.4

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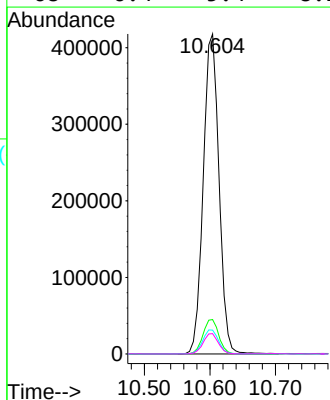
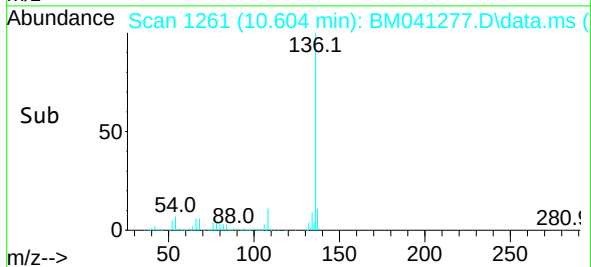
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

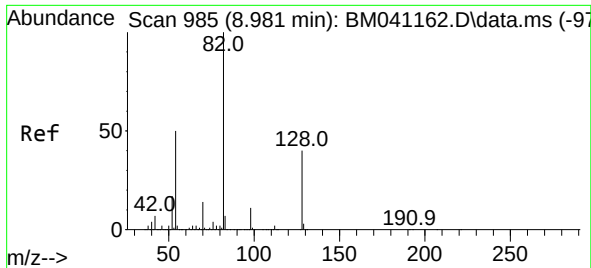


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32



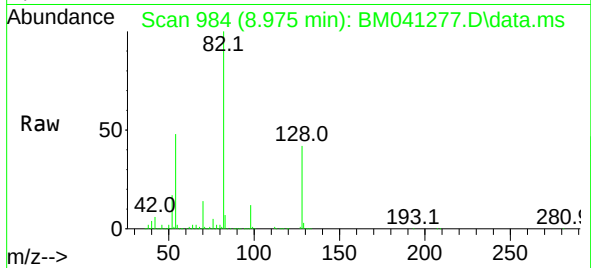
Tgt Ion:136 Resp: 698623
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.5 6.9 10.3
68 6.4 5.4 8.2





#23
Nitrobenzene-d5
Concen: 54.174 ng
RT: 8.975 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

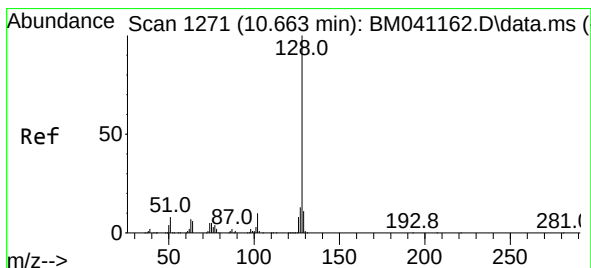
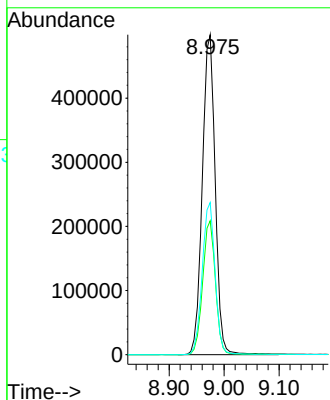
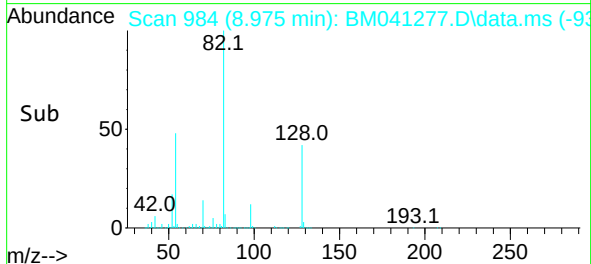
Instrument :
BNA_M
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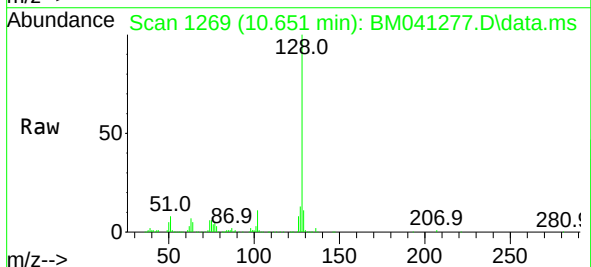
Tgt Ion: 82 Resp: 813834
Ion Ratio Lower Upper
82 100
128 41.9 31.8 47.6
54 47.5 40.1 60.1

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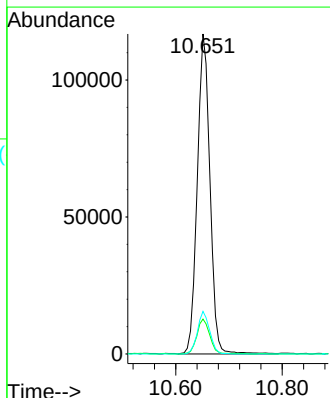
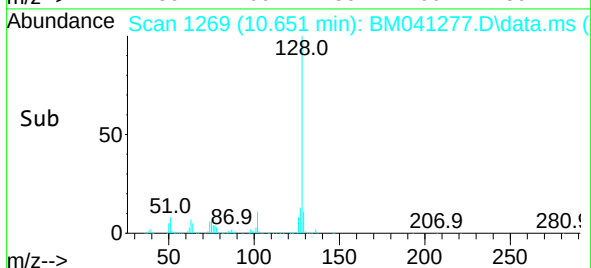
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

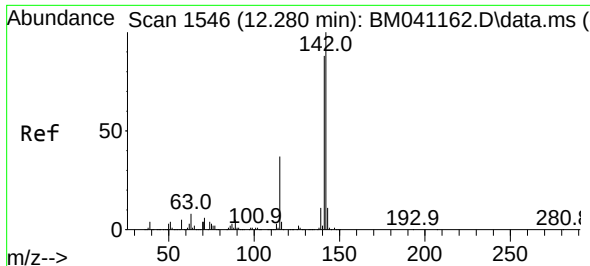


#31
Naphthalene
Concen: 5.089 ng
RT: 10.651 min Scan# 1269
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32



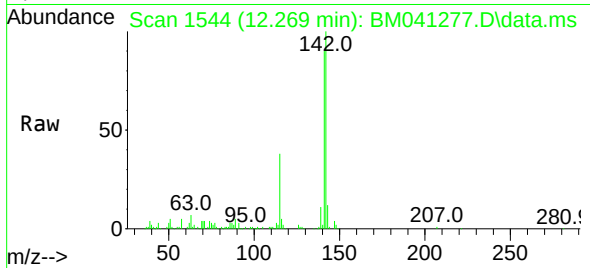
Tgt Ion:128 Resp: 192943
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.3 10.5 15.7





#37
2-Methylnaphthalene
Concen: 2.883 ng
RT: 12.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

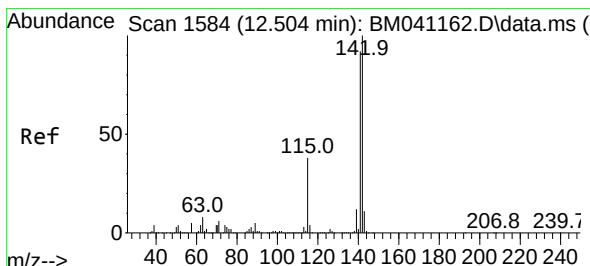
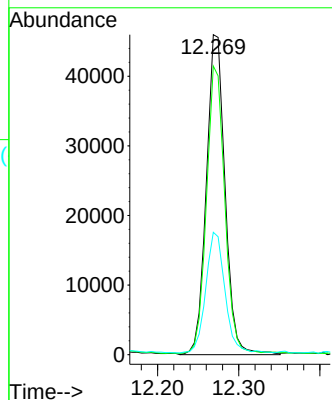
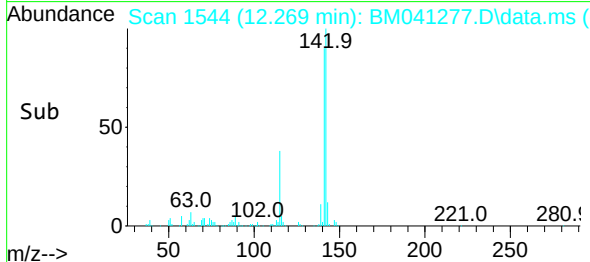
Instrument :
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ClientSampleId :
BUILDING-B-15-(5-10)



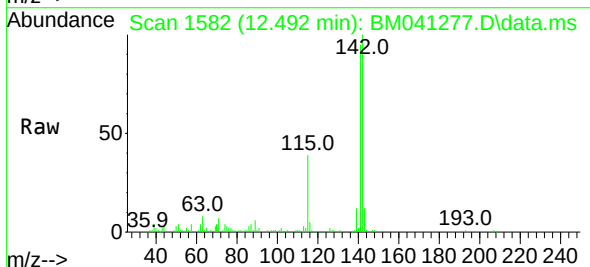
Tgt Ion:142 Resp: 73678
Ion Ratio Lower Upper
142 100
141 90.2 70.7 106.1
115 38.3 29.3 43.9

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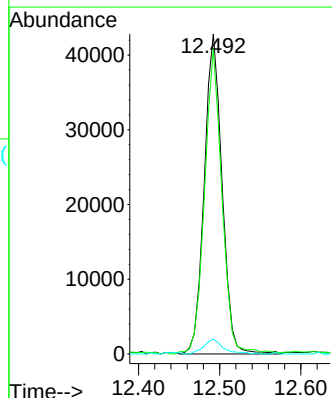
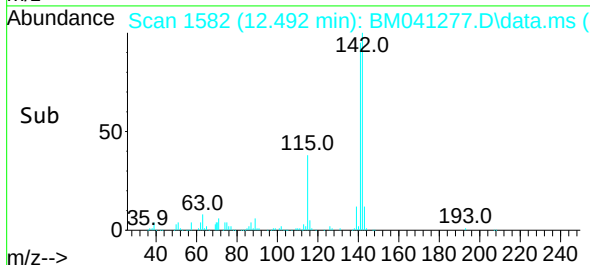
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

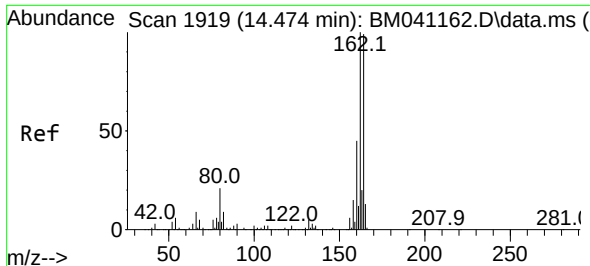


#38
1-Methylnaphthalene
Concen: 2.721 ng
RT: 12.492 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32



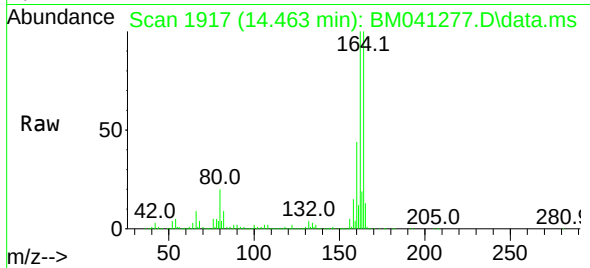
Tgt Ion:142 Resp: 65089
Ion Ratio Lower Upper
142 100
141 95.2 73.4 110.2
116 4.6 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

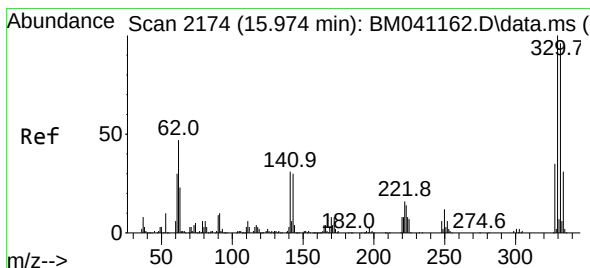
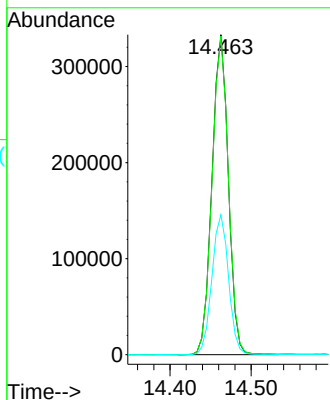
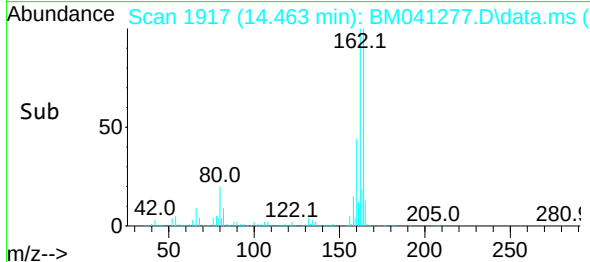
Instrument :
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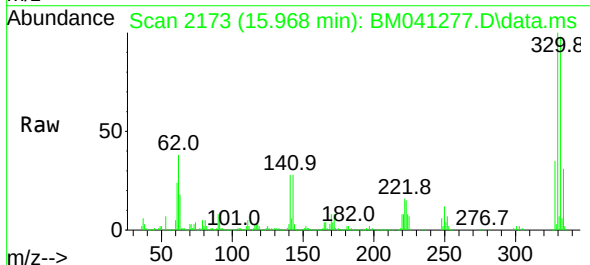
Tgt Ion:164 Resp: 466120
Ion Ratio Lower Upper
164 100
162 99.6 80.4 120.6
160 43.7 36.2 54.2

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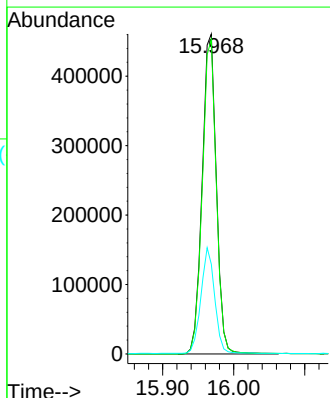
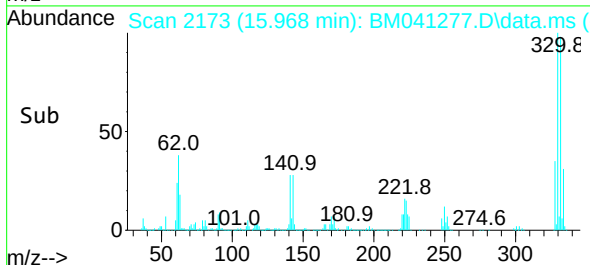
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

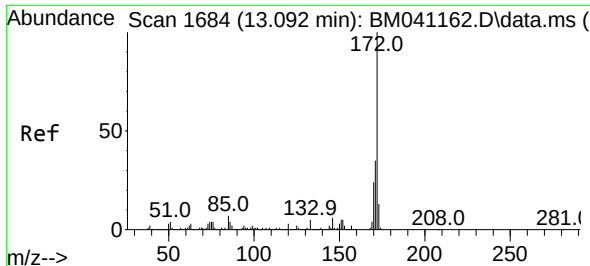


#42
2,4,6-Tribromophenol
Concen: 97.237 ng
RT: 15.968 min Scan# 2173
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32



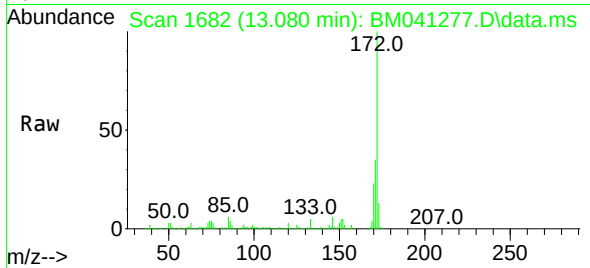
Tgt Ion:330 Resp: 641089
Ion Ratio Lower Upper
330 100
332 97.4 77.7 116.5
141 32.3 28.3 42.5





#45
2-Fluorobiphenyl
Concen: 54.062 ng
RT: 13.080 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

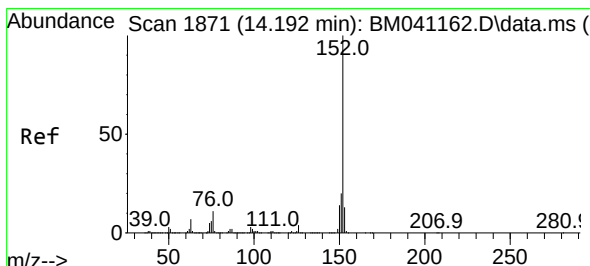
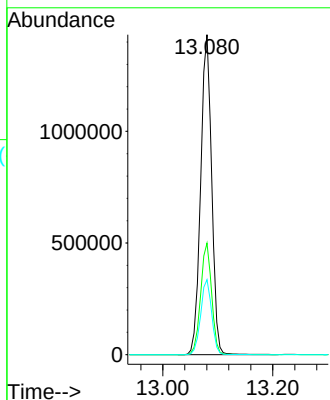
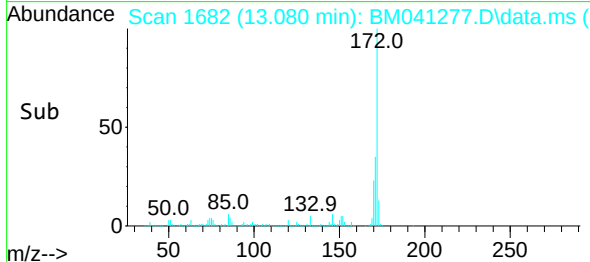
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Tgt Ion:172 Resp: 1994823
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.5 18.9 28.3

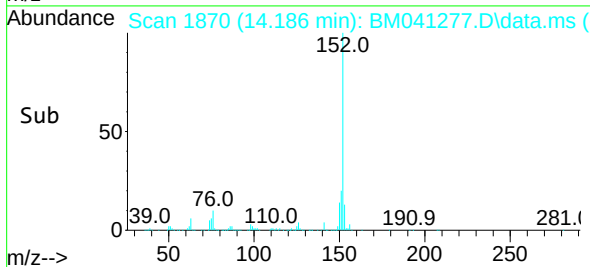
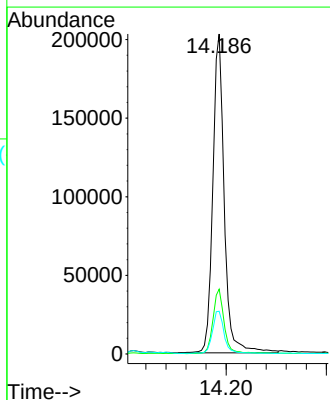
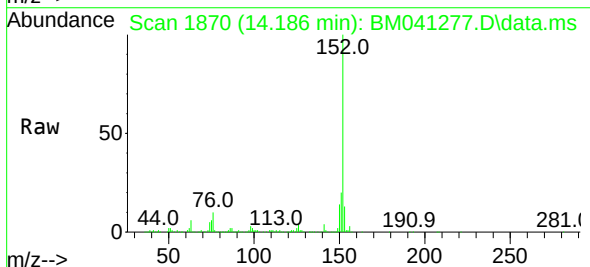
Manual Integrations
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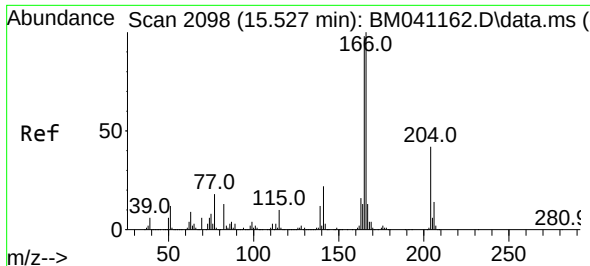
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#49
Acenaphthylene
Concen: 7.032 ng
RT: 14.186 min Scan# 1870
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

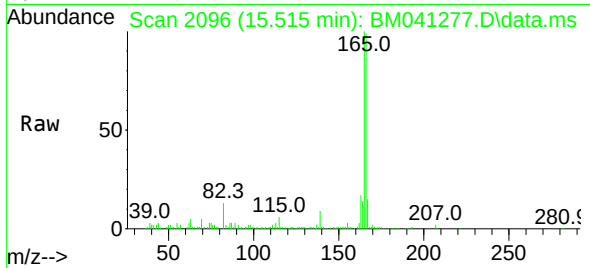
Tgt Ion:152 Resp: 320238
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1
153 13.4 10.5 15.7





#58
Fluorene
Concen: 2.734 ng
RT: 15.515 min Scan# 2098
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

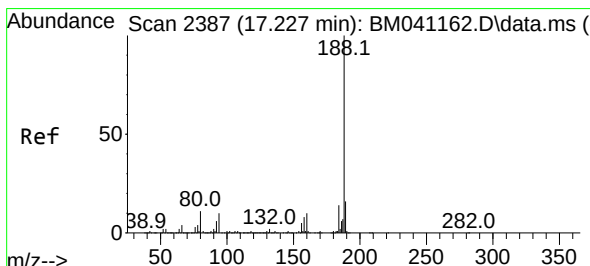
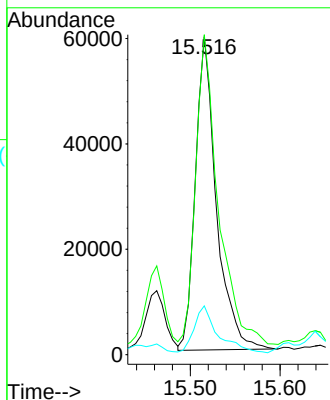
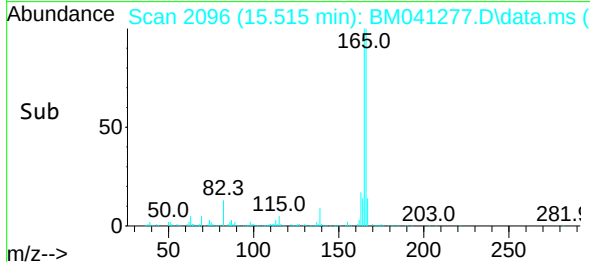
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)



Tgt Ion:166 Resp: 9654
Ion Ratio Lower Upper
166 100
165 100.6 78.2 117.4
167 15.3 10.6 16.0

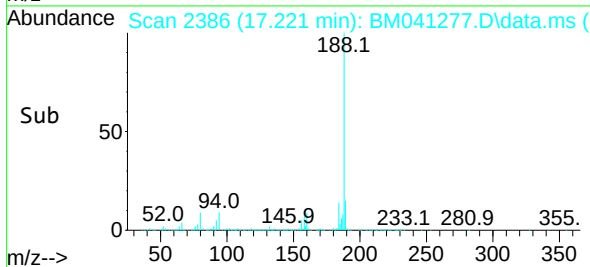
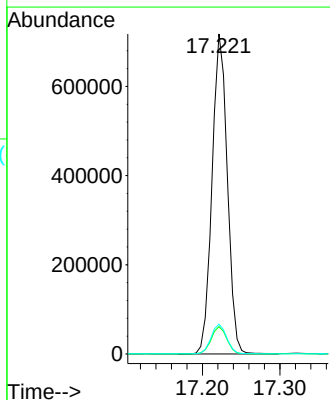
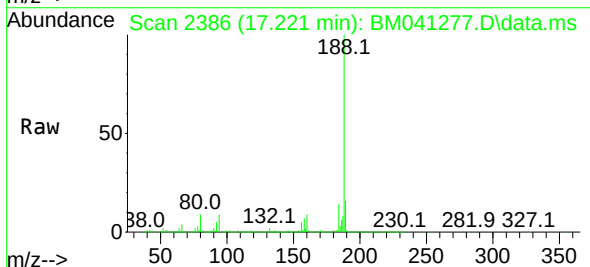
Manual Integrations
APPROVED

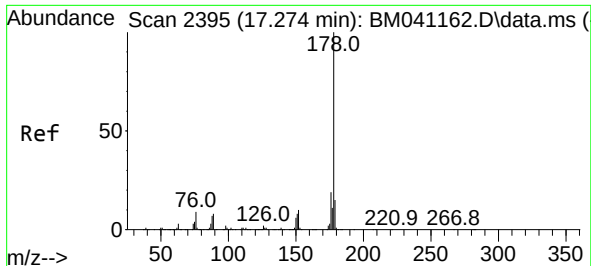
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2386
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

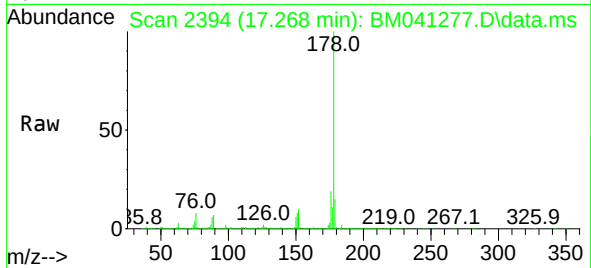
Tgt Ion:188 Resp: 983580
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.2
80 9.3 8.6 13.0





#71
Phenanthrene
Concen: 23.197 ng
RT: 17.268 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

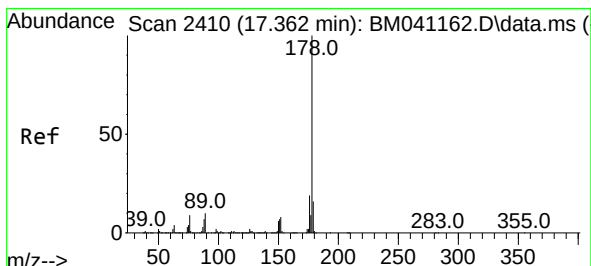
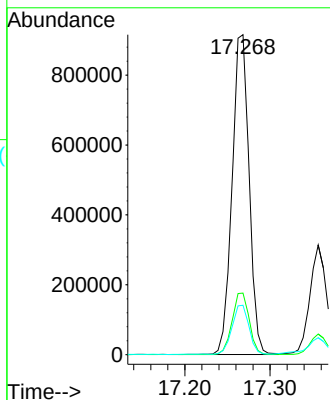
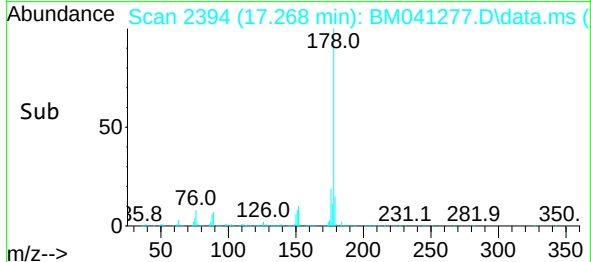
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)



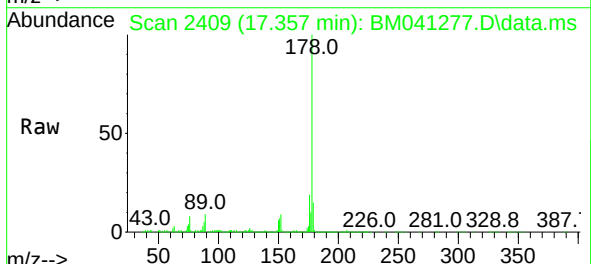
Tgt Ion:178 Resp: 1267678
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.5 12.1 18.1

Manual Integrations
APPROVED

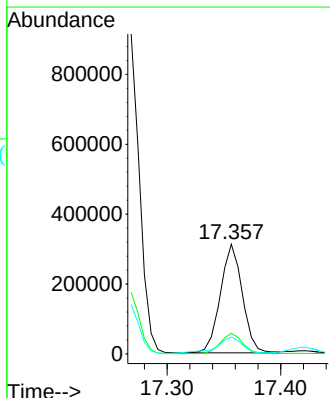
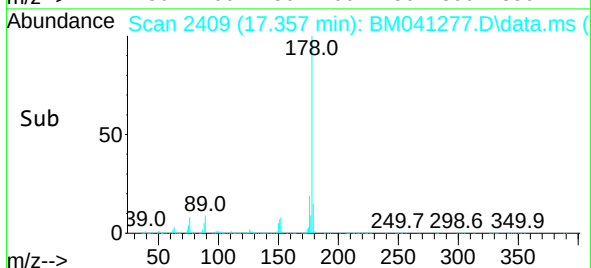
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

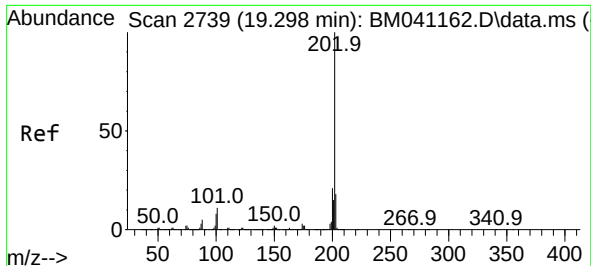


#72
Anthracene
Concen: 7.720 ng
RT: 17.357 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32



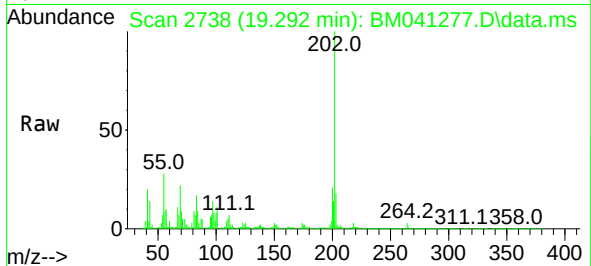
Tgt Ion:178 Resp: 417266
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 26.326 ng
RT: 19.292 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

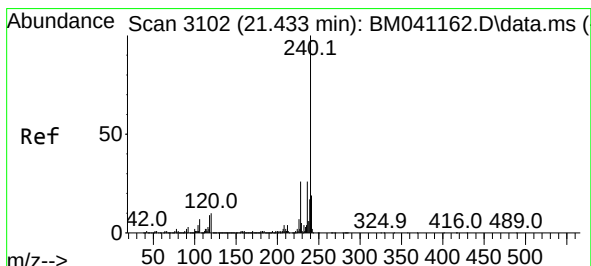
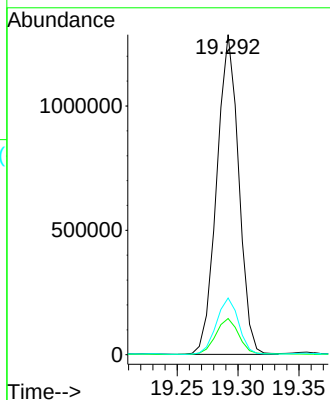
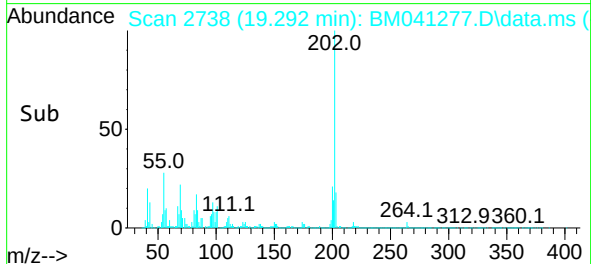
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)



Tgt Ion:202 Resp: 161632
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.8
203 17.7 0.0 37.6

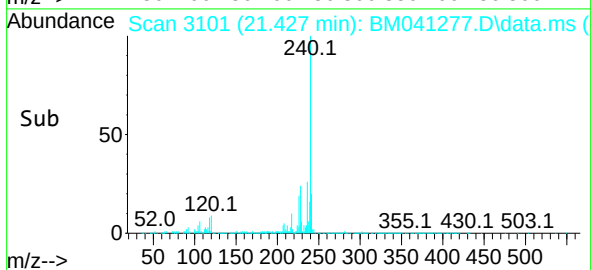
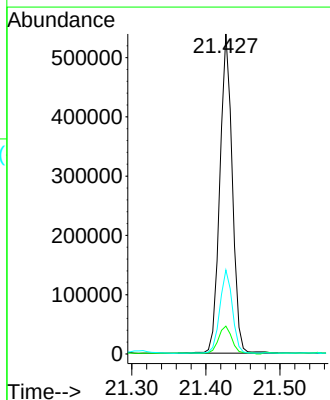
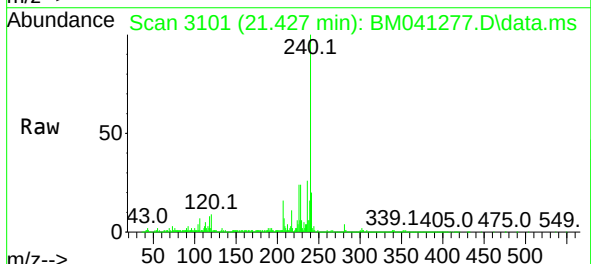
Manual Integrations
APPROVED

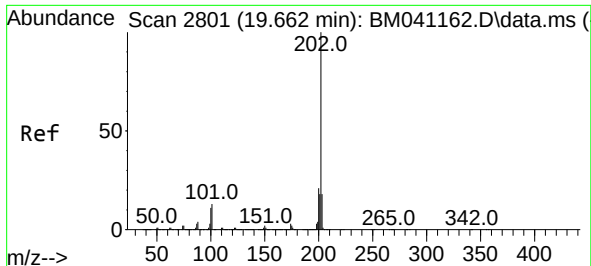
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Tgt Ion:240 Resp: 628502
Ion Ratio Lower Upper
240 100
120 8.7 8.3 12.5
236 26.3 20.6 30.8





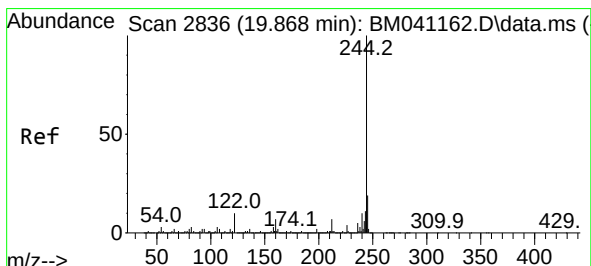
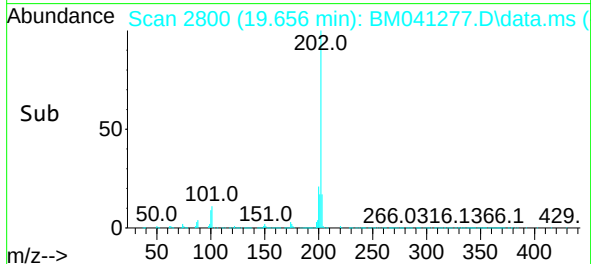
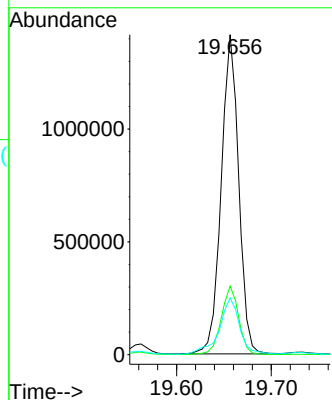
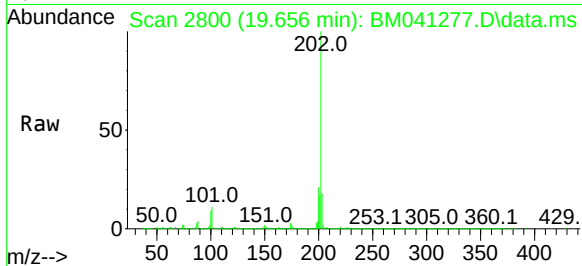
#78
Pyrene
Concen: 41.360 ng
RT: 19.656 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)

Tgt Ion:202 Resp: 181784
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 17.8 14.1 21.1

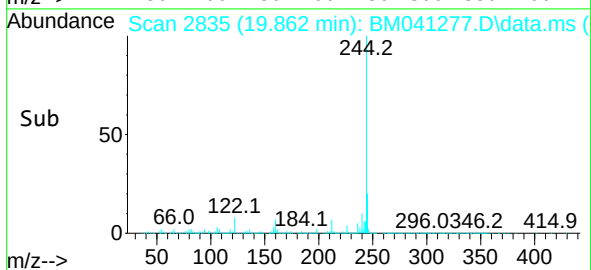
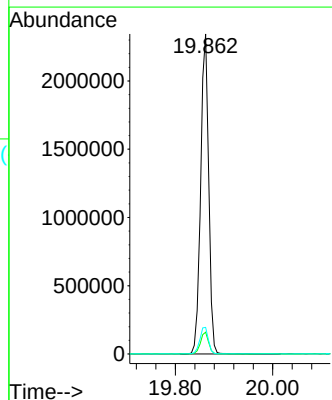
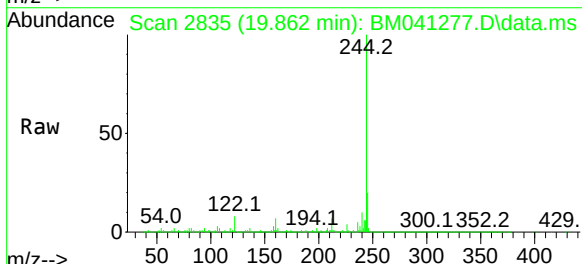
Manual Integrations
APPROVED

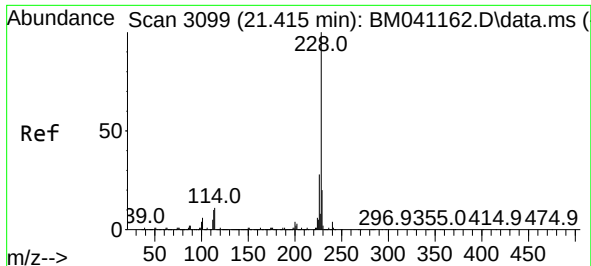
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#79
Terphenyl-d14
Concen: 77.315 ng
RT: 19.862 min Scan# 2835
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

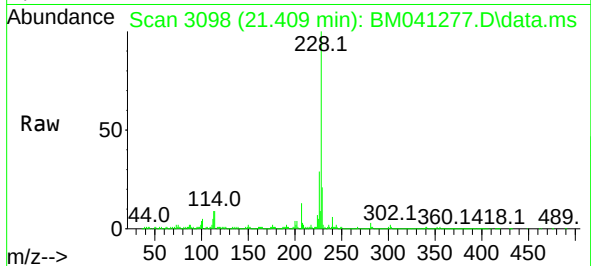
Tgt Ion:244 Resp: 2687581
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 8.3 7.8 11.6





#81
Benzo(a)anthracene
Concen: 20.426 ng
RT: 21.409 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

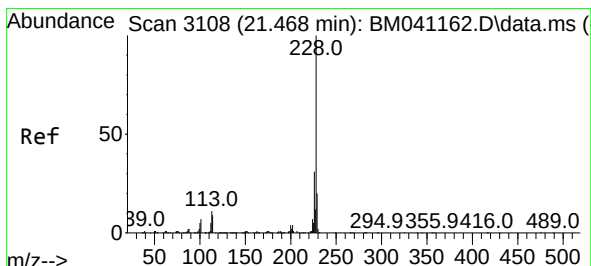
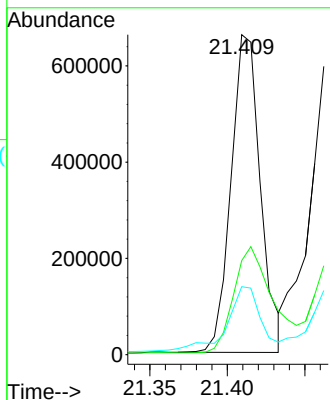
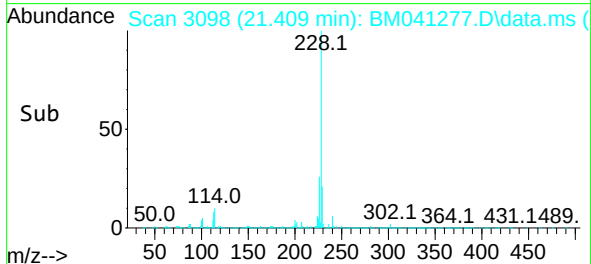
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)



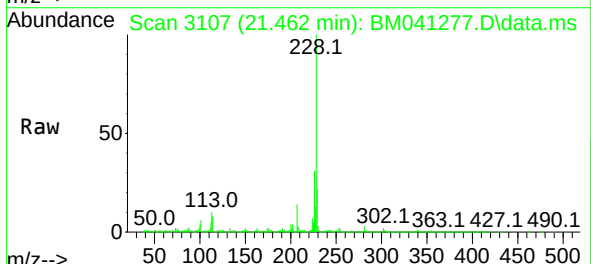
Tgt Ion:228 Resp: 87028
Ion Ratio Lower Upper
228 100
226 29.4 22.4 33.6
229 21.3 15.8 23.8

Manual Integrations
APPROVED

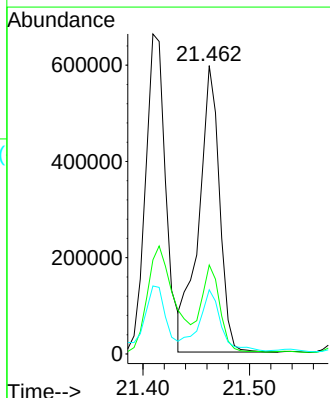
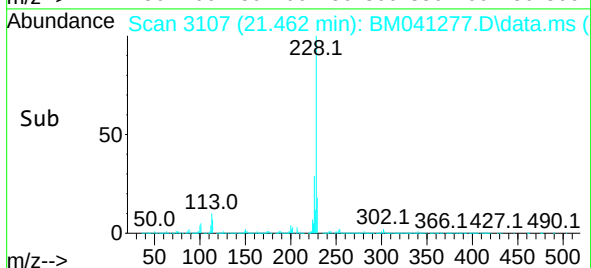
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

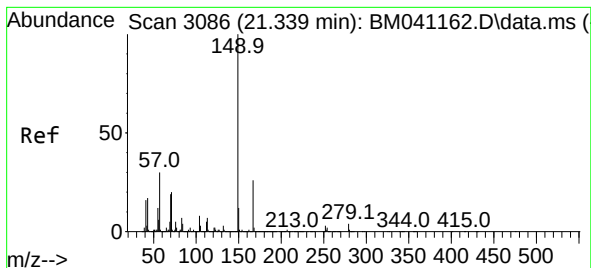


#83
Chrysene
Concen: 19.604 ng
RT: 21.462 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32



Tgt Ion:228 Resp: 807913
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 22.2 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.295 ng

RT: 21.333 min Scan# 3085

Delta R.T. -0.000 min

Lab File: BM041277.D

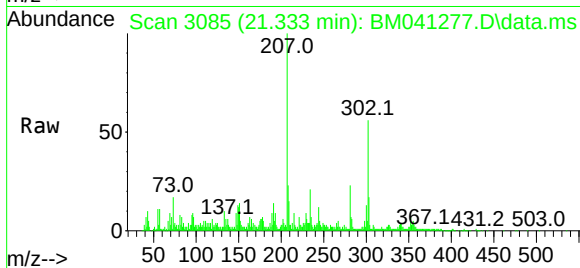
Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)



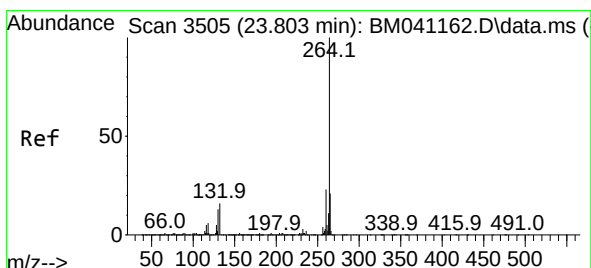
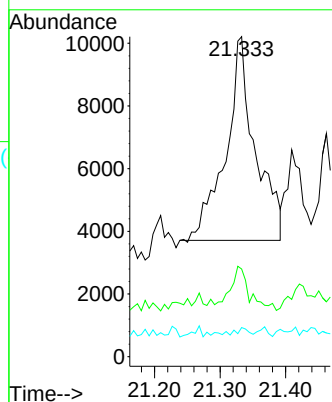
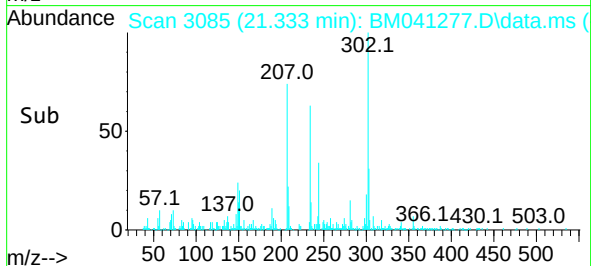
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.0	31.6
279	9.1	3.1	4.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#86

Perylene-d12

Concen: 20.000 ng

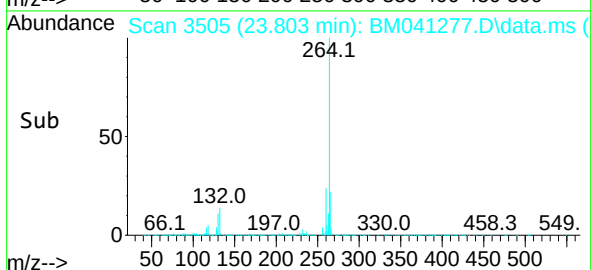
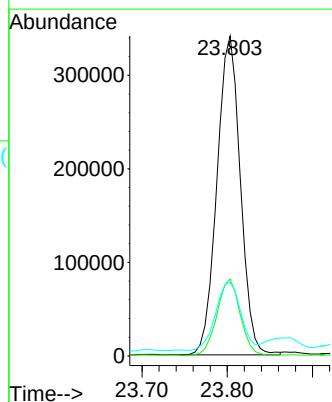
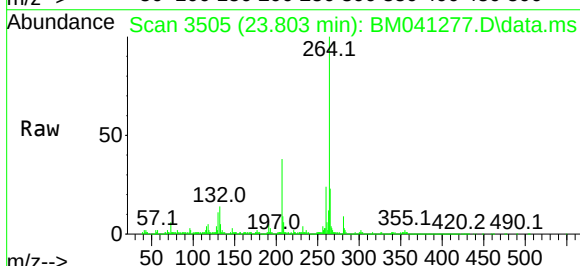
RT: 23.803 min Scan# 3505

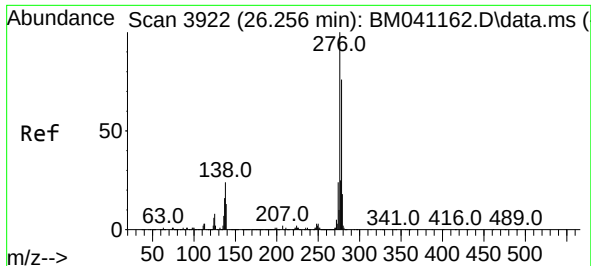
Delta R.T. -0.000 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	23.0	17.4	26.0





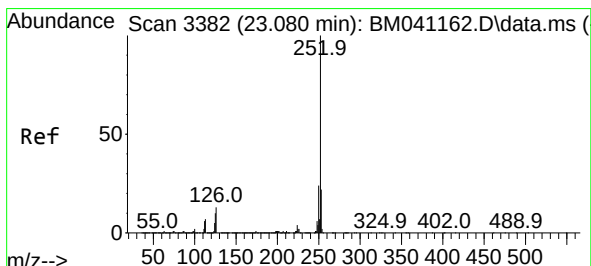
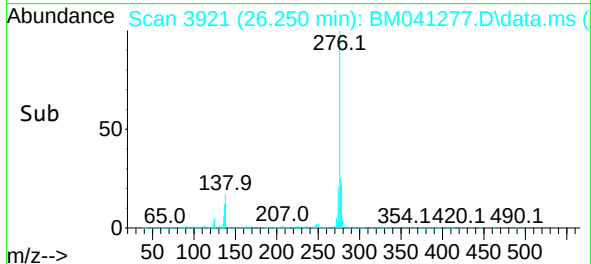
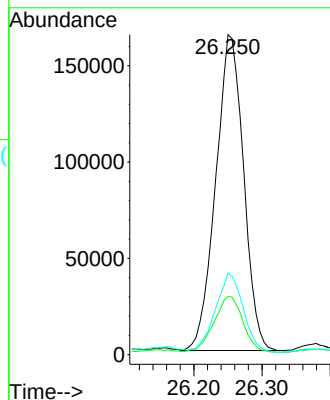
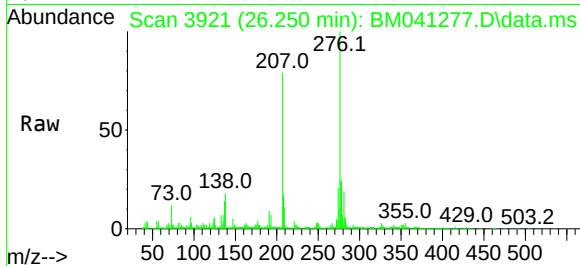
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.765 ng
RT: 26.250 min Scan# 3922
Delta R.T. -0.012 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)

Tgt Ion:276 Resp: 467040
Ion Ratio Lower Upper
276 100
138 18.4 20.0 30.0
277 25.0 20.1 30.1

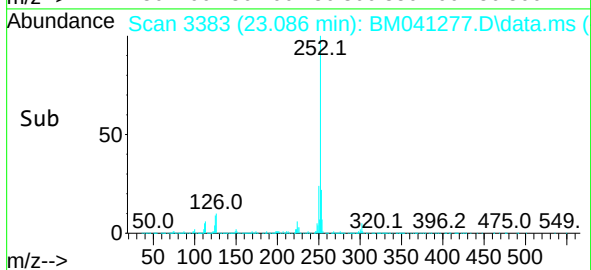
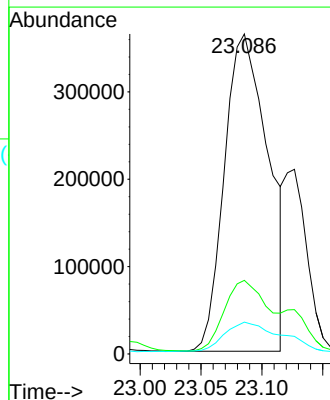
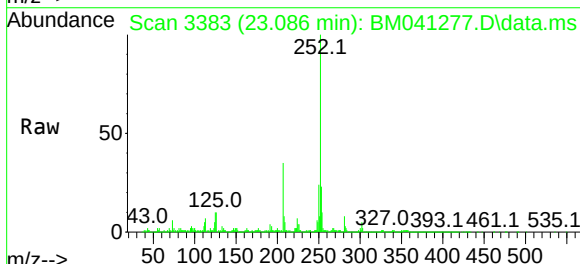
Manual Integrations
APPROVED

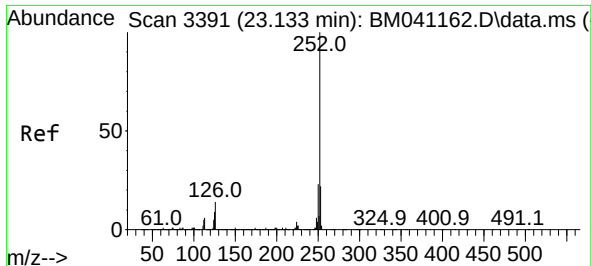
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#88
Benzo(b)fluoranthene
Concen: 23.533 ng
RT: 23.086 min Scan# 3383
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Tgt Ion:252 Resp: 909453
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 10.0 8.2 12.4





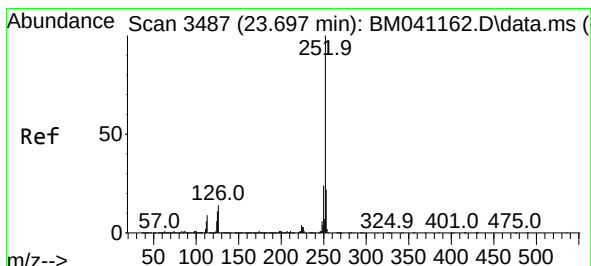
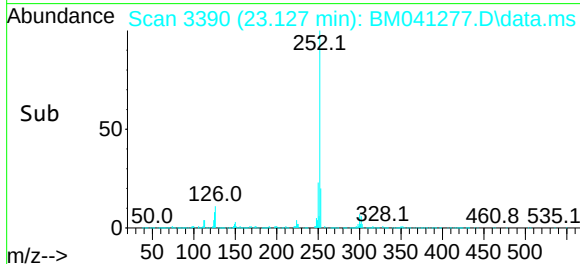
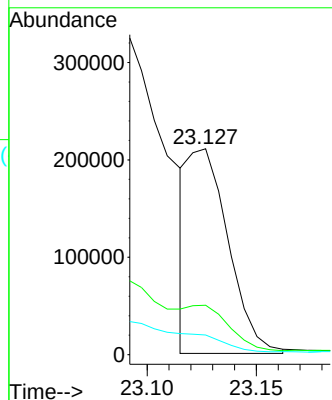
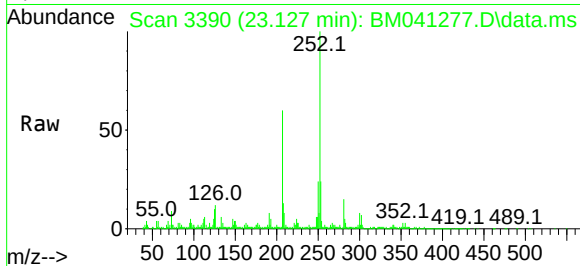
#89
Benzo(k)fluoranthene
Concen: 6.749 ng m
RT: 23.127 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-15-(5-10)

Tgt Ion:252 Resp: 26681
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 9.6 7.6 11.4

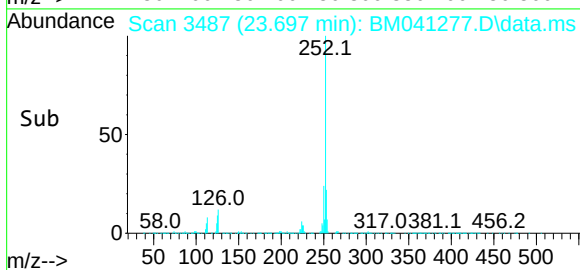
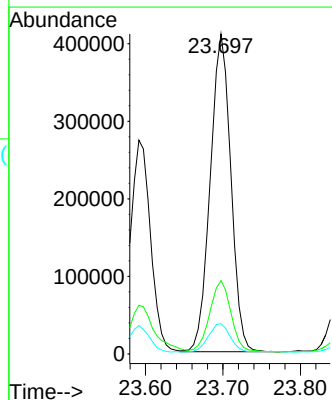
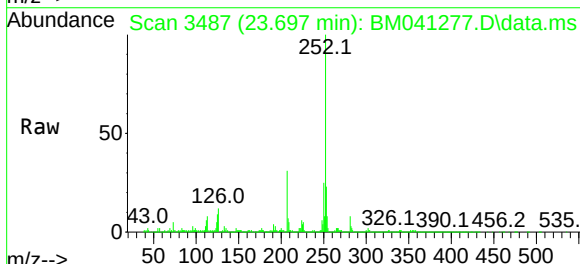
Manual Integrations
APPROVED

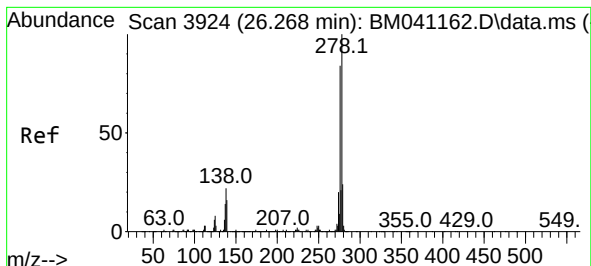
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#90
Benzo(a)pyrene
Concen: 20.386 ng
RT: 23.697 min Scan# 3487
Delta R.T. -0.000 min
Lab File: BM041277.D
Acq: 04 Aug 2023 00:32

Tgt Ion:252 Resp: 756972
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 9.4 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 3.562 ng m

RT: 26.256 min Scan# 3924

Delta R.T. -0.018 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-15-(5-10)

Tgt Ion:278 Resp: 14210

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1

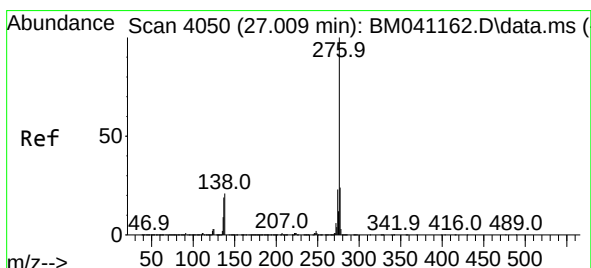
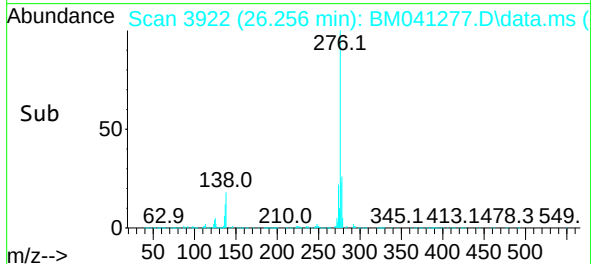
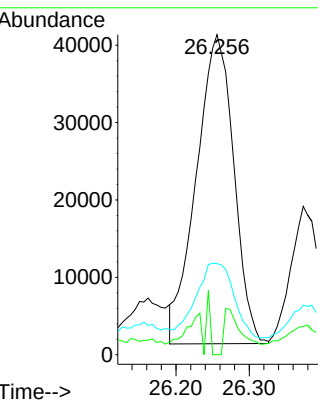
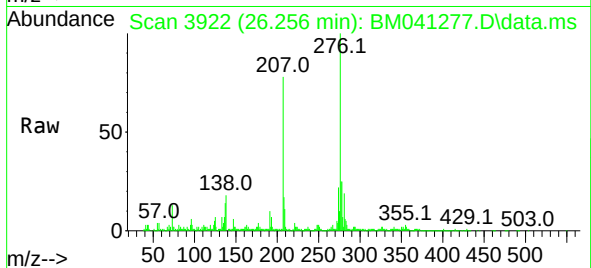
279 28.5 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#92

Benzo(g,h,i)perylene

Concen: 12.749 ng

RT: 27.009 min Scan# 4050

Delta R.T. -0.006 min

Lab File: BM041277.D

Acq: 04 Aug 2023 00:32

Tgt Ion:276 Resp: 497648

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 18.3 17.1 25.7

