

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080423\
 Data File : BM041298.D
 Acq On : 04 Aug 2023 17:24
 Operator : MA/JU
 Sample : 03775-01DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023

Quant Time: Aug 05 01:28:08 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	152978	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	670421	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	445553	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1065005	20.000	ng	0.00
76) Chrysene-d12	21.427	240	993043	20.000	ng	0.00
86) Perylene-d12	23.797	264	976330	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	76890	7.512	ng	0.00
7) Phenol-d6	6.975	99	100123	7.546	ng	0.00
23) Nitrobenzene-d5	8.969	82	65840	4.567	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	45029	7.145	ng	0.00
45) 2-Fluorobiphenyl	13.074	172	171836	4.872	ng	0.00
79) Terphenyl-d14	19.856	244	314525	5.727	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.645	128	215010	5.910	ng	99
37) 2-Methylnaphthalene	12.269	142	70081	2.857	ng	97
38) 1-Methylnaphthalene	12.486	142	141723	6.174	ng	98
49) Acenaphthylene	14.180	152	365163	8.388	ng	99
52) Acenaphthene	14.521	154	70441	2.686	ng	96
58) Fluorene	15.510	166	266167	7.885	ng	99
71) Phenanthrene	17.262	178	1733042	29.288	ng	99
72) Anthracene	17.351	178	477391	8.157	ng	100
75) Fluoranthene	19.286	202	1878094	28.251	ng	99
78) Pyrene	19.656	202	3325535	47.887	ng	99
81) Benzo(a)anthracene	21.409	228	1291272	19.181	ng	95
83) Chrysene	21.462	228	1189284	18.264	ng	98
87) Indeno(1,2,3-cd)pyrene	26.238	276	424771	5.918	ng	# 94
88) Benzo(b)fluoranthene	23.080	252	1036890m	17.877	ng	
89) Benzo(k)fluoranthene	23.121	252	327541m	5.521	ng	
90) Benzo(a)pyrene	23.691	252	1060123	19.023	ng	97
91) Dibenzo(a,h)anthracene	26.244	278	141675	2.366	ng	# 79
92) Benzo(g,h,i)perylene	26.997	276	458950	7.834	ng	97

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

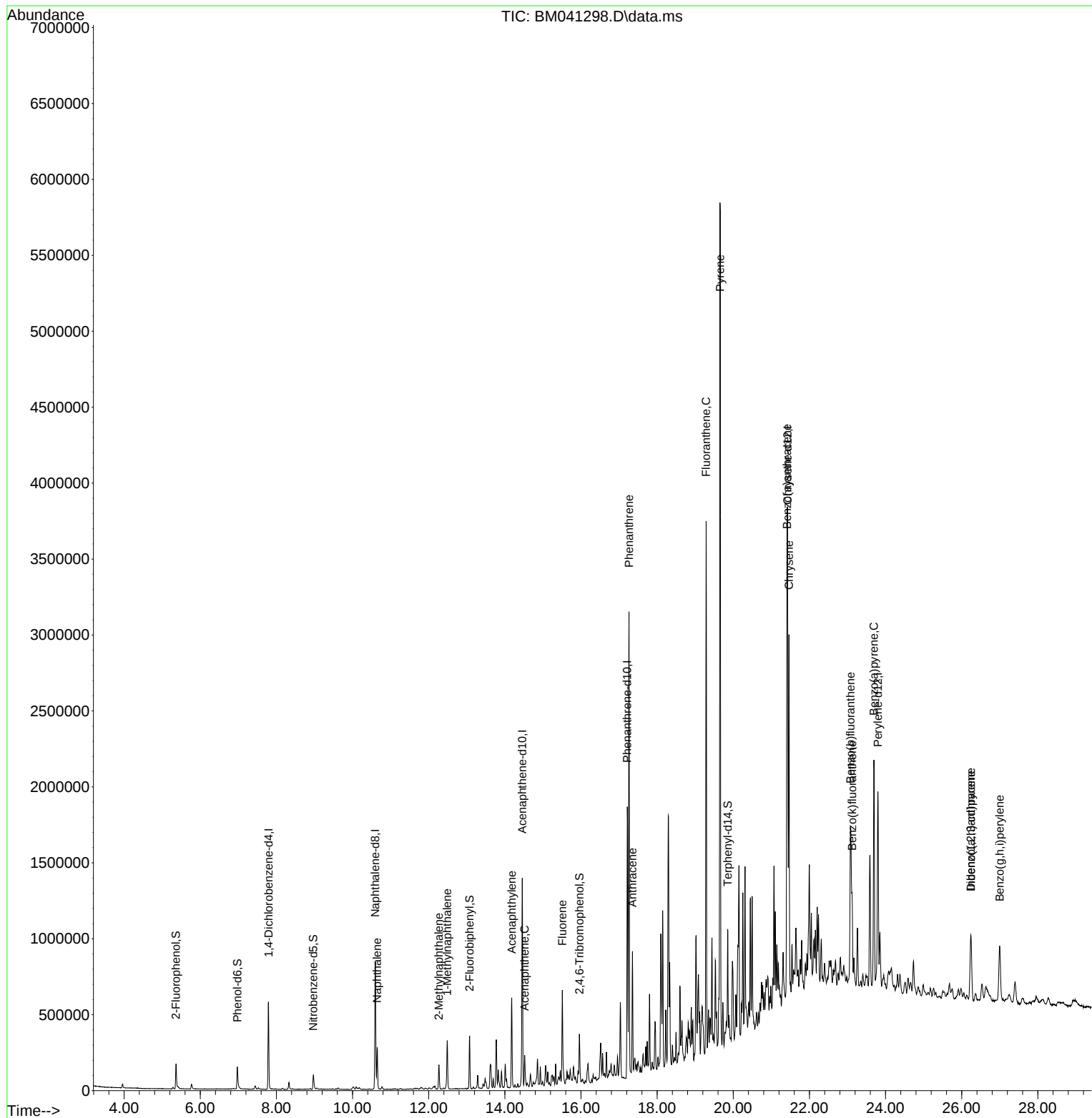
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080423\
Data File : BM041298.D
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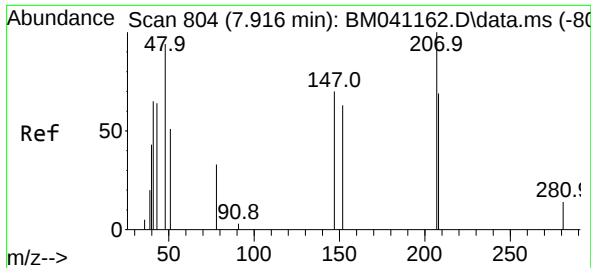
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Quant Time: Aug 05 01:28:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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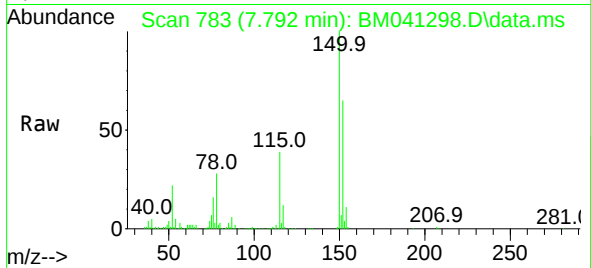
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 71
Delta R.T. -0.001 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

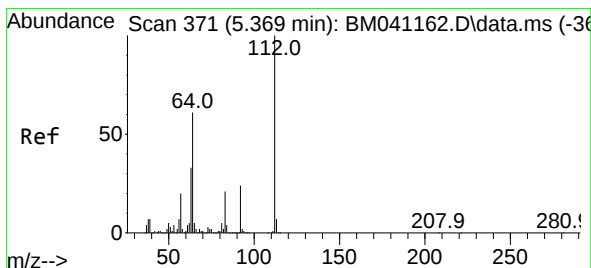
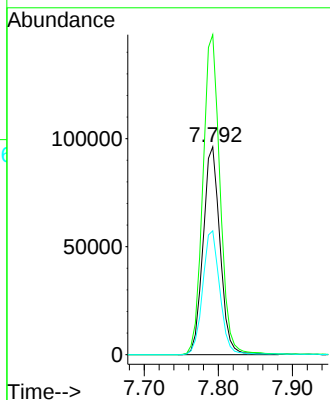
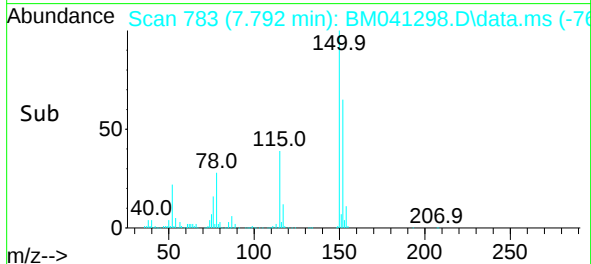
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ClientSampleId :
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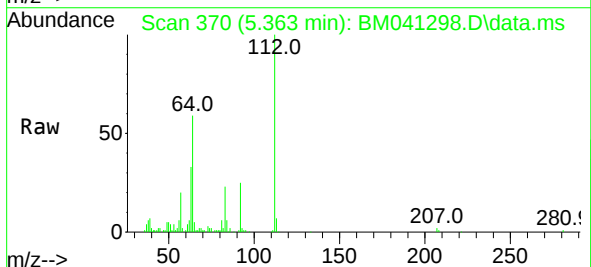
Tgt Ion:152 Resp: 152978
Ion Ratio Lower Upper
152 100
150 154.0 125.5 188.3
115 59.6 48.0 72.0

Manual Integrations
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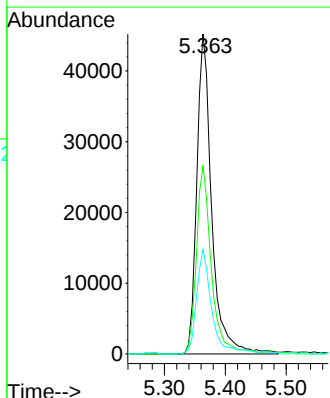
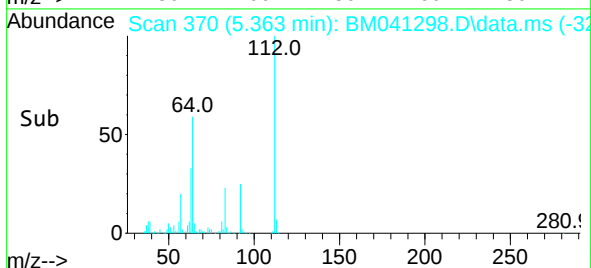
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

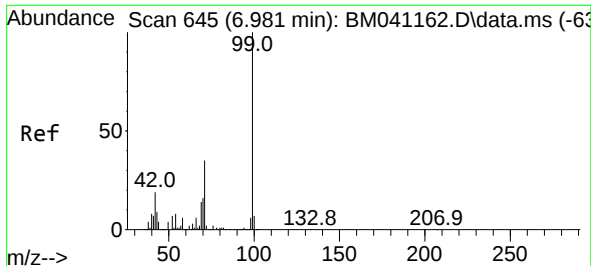


#5
2-Fluorophenol
Concen: 7.512 ng
RT: 5.363 min Scan# 370
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24



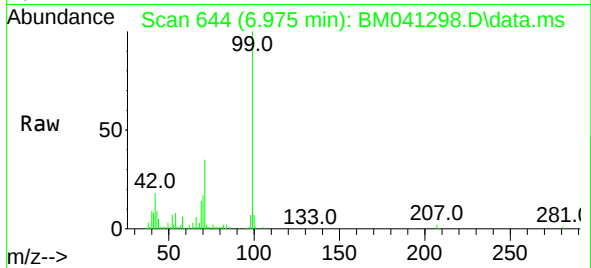
Tgt Ion:112 Resp: 76890
Ion Ratio Lower Upper
112 100
64 58.6 48.5 72.7
63 32.7 26.5 39.7





#7
Phenol-d6
Concen: 7.546 ng
RT: 6.975 min Scan# 645
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

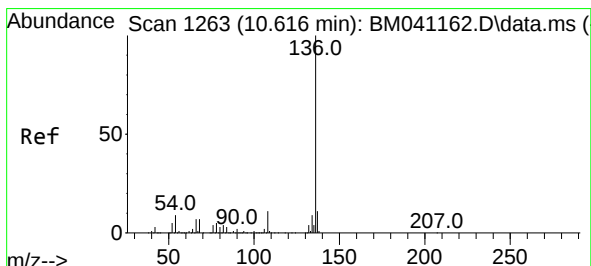
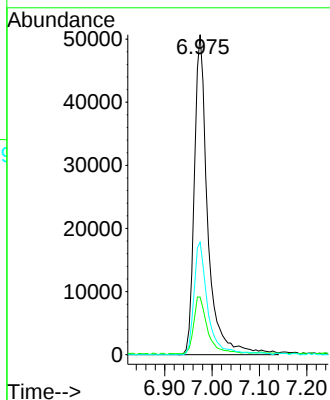
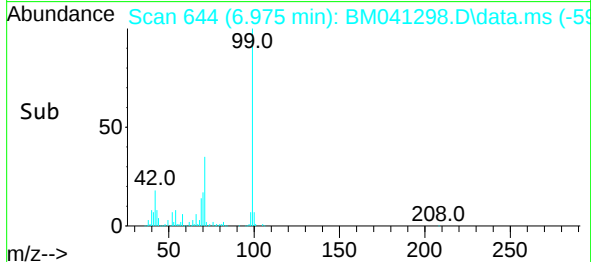
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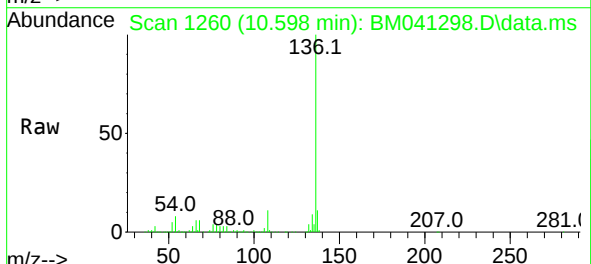
Tgt Ion: 99 Resp: 100123
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 35.2 28.2 42.4

Manual Integrations
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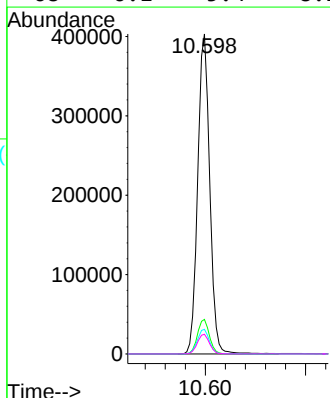
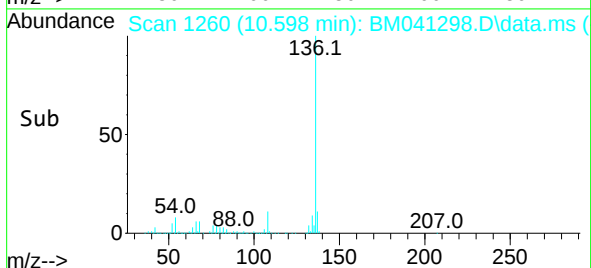
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

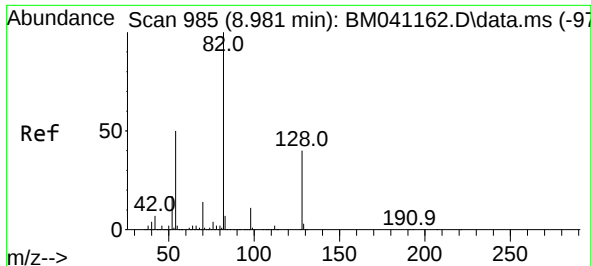


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24



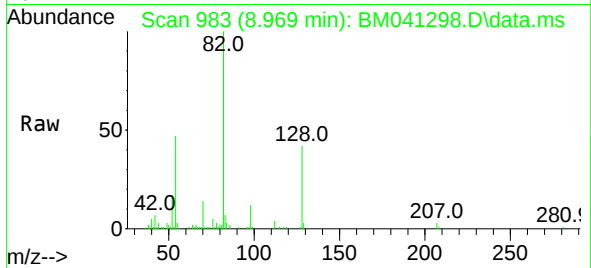
Tgt Ion:136 Resp: 670421
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.7 6.9 10.3
68 6.1 5.4 8.2





#23
Nitrobenzene-d5
Concen: 4.567 ng
RT: 8.969 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

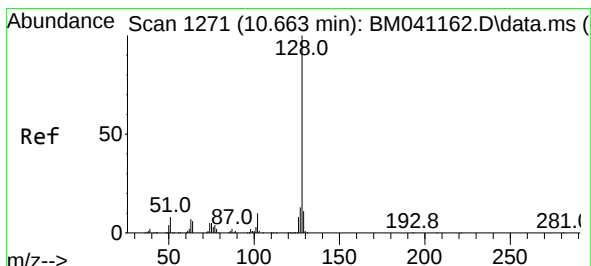
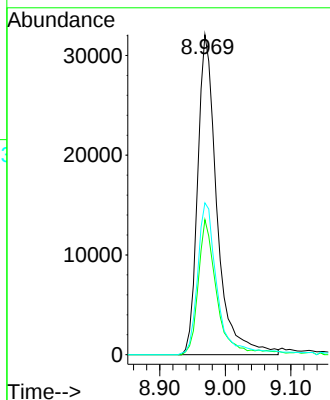
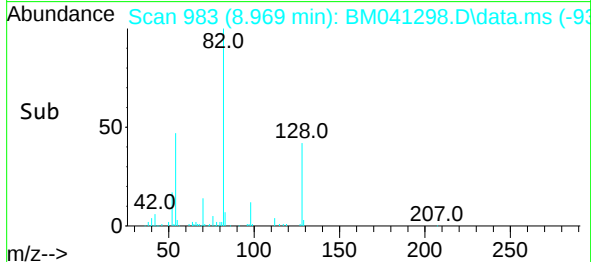
Instrument :
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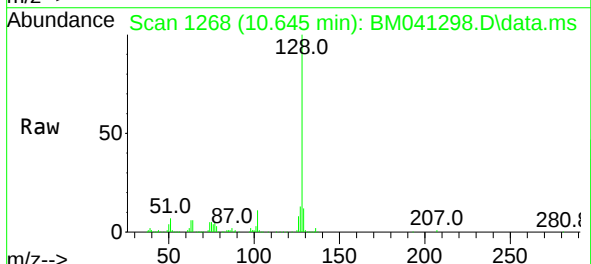
Tgt Ion: 82 Resp: 65840
Ion Ratio Lower Upper
82 100
128 42.2 31.8 47.6
54 47.5 40.1 60.1

Manual Integrations
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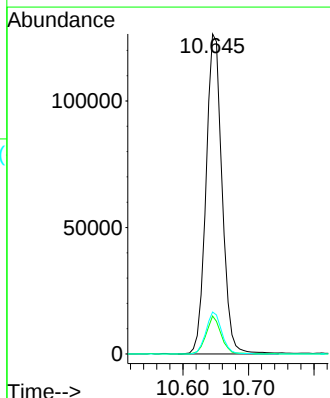
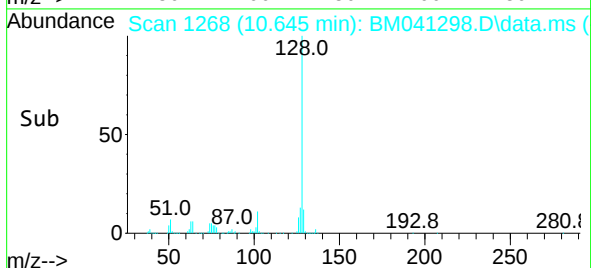
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

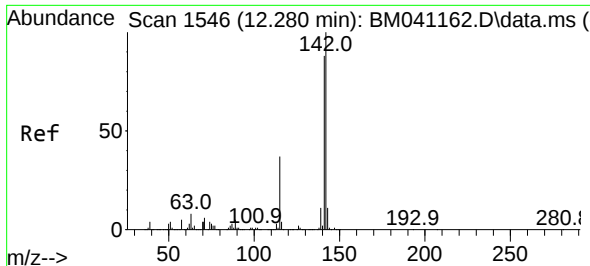


#31
Naphthalene
Concen: 5.910 ng
RT: 10.645 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24



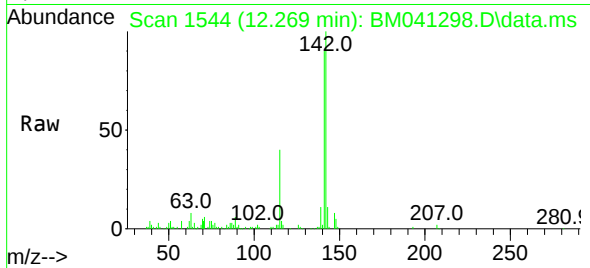
Tgt Ion:128 Resp: 215010
Ion Ratio Lower Upper
128 100
129 11.9 9.0 13.4
127 13.1 10.5 15.7





#37
2-Methylnaphthalene
Concen: 2.857 ng
RT: 12.269 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

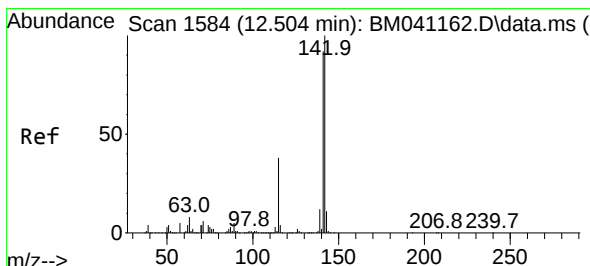
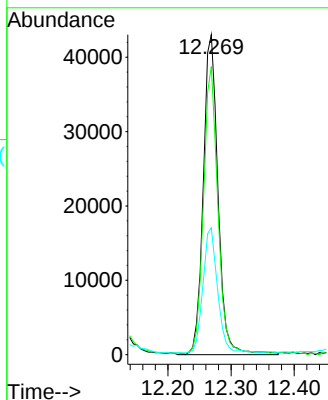
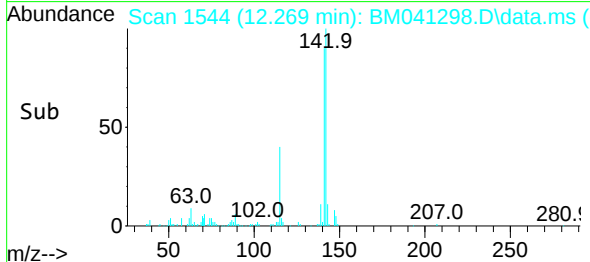
Instrument :
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ClientSampleId :
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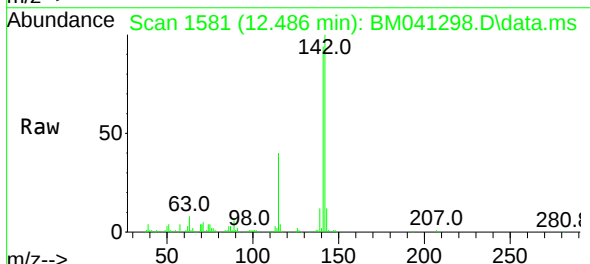
Tgt Ion:142 Resp: 7008
Ion Ratio Lower Upper
142 100
141 90.1 70.7 106.1
115 39.6 29.3 43.9

Manual Integrations
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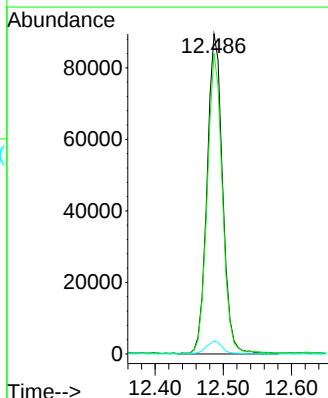
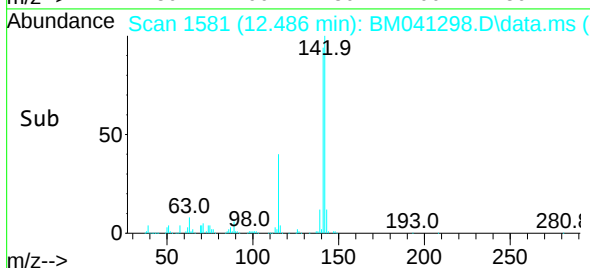
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

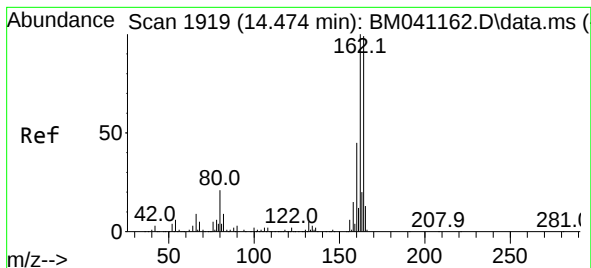


#38
1-Methylnaphthalene
Concen: 6.174 ng
RT: 12.486 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24



Tgt Ion:142 Resp: 141723
Ion Ratio Lower Upper
142 100
141 93.9 73.4 110.2
116 4.0 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.457 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BM041298.D

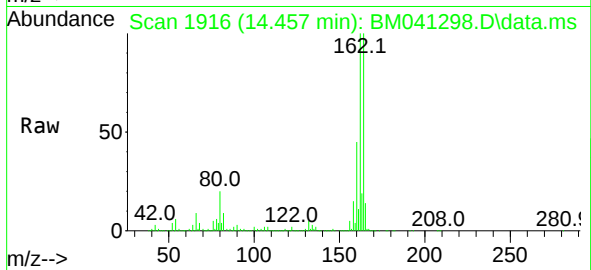
Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL



Tgt Ion:164 Resp: 44555

Ion Ratio Lower Upper

164 100

162 99.9 80.4 120.6

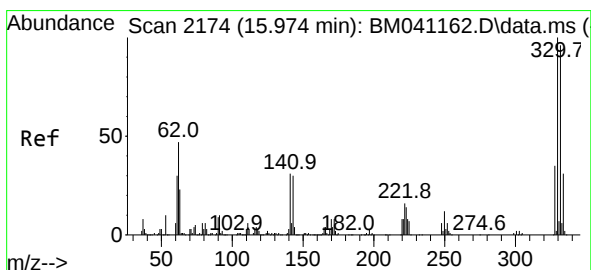
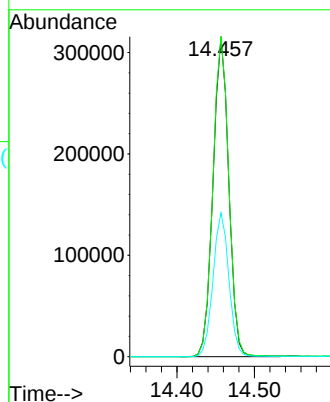
160 44.9 36.2 54.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#42

2,4,6-Tribromophenol

Concen: 7.145 ng

RT: 15.963 min Scan# 2172

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

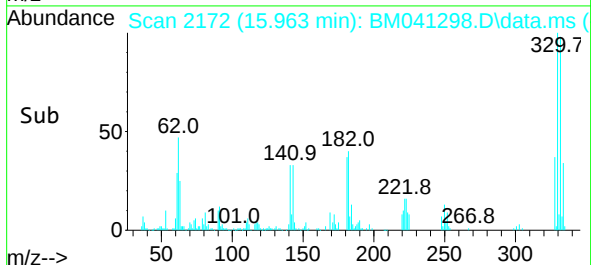
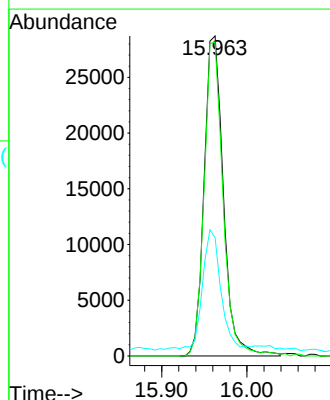
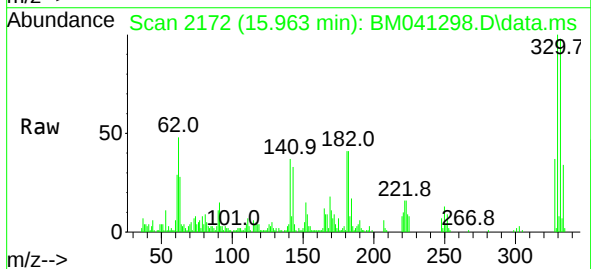
Tgt Ion:330 Resp: 45029

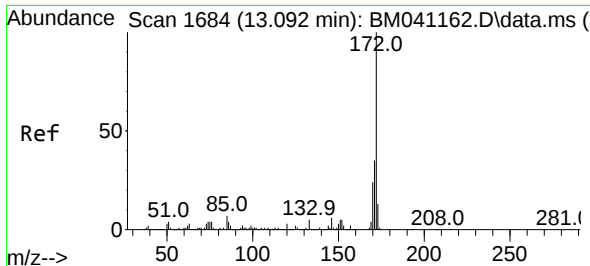
Ion Ratio Lower Upper

330 100

332 96.5 77.7 116.5

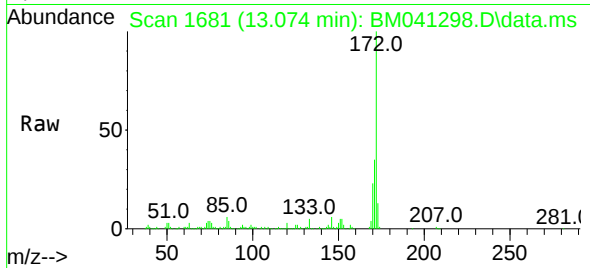
141 36.7 28.3 42.5





#45
2-Fluorobiphenyl
Concen: 4.872 ng
RT: 13.074 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

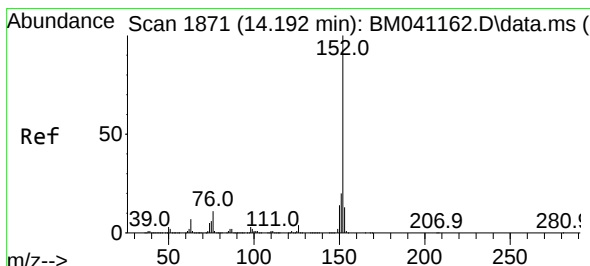
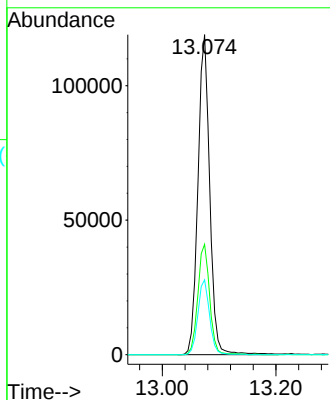
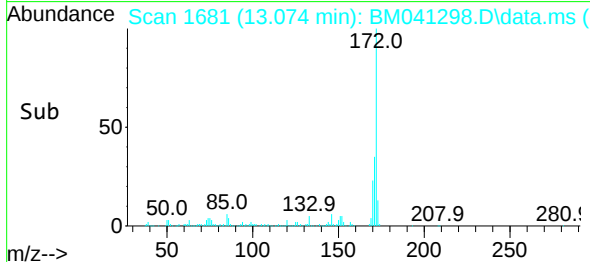
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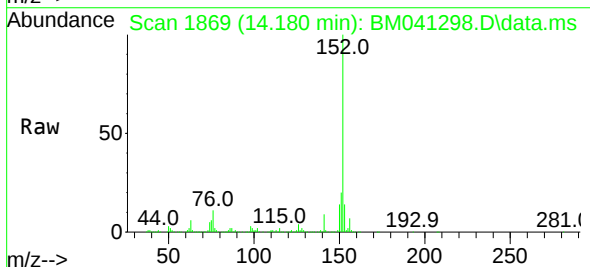
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Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.4 18.9 28.3

Manual Integrations
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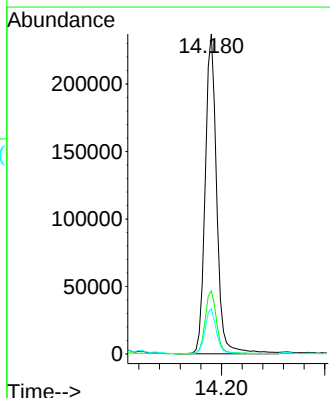
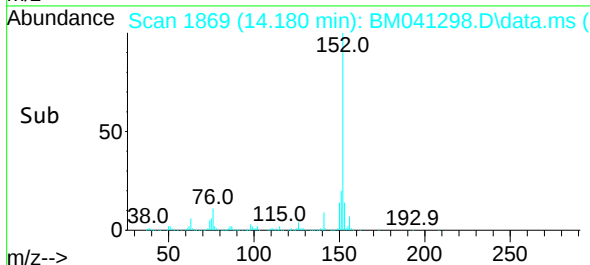
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

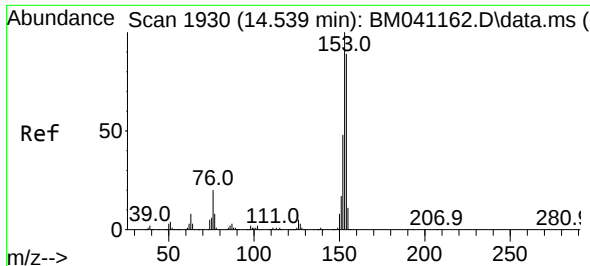


#49
Acenaphthylene
Concen: 8.388 ng
RT: 14.180 min Scan# 1869
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24



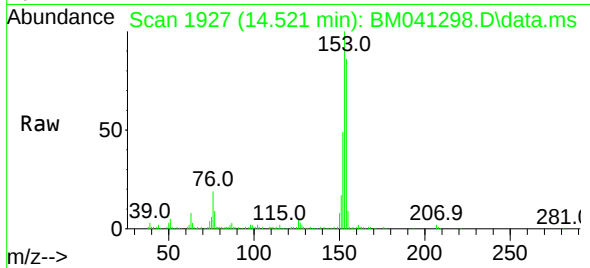
Tgt Ion:152 Resp: 365163
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 14.1 10.5 15.7





#52
Acenaphthene
Concen: 2.686 ng
RT: 14.521 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

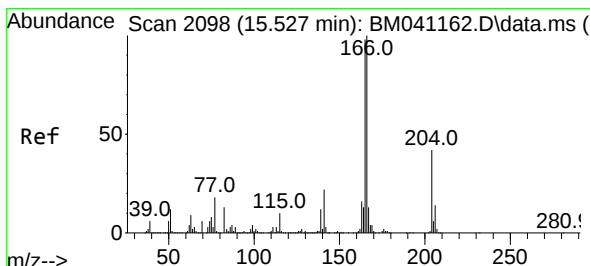
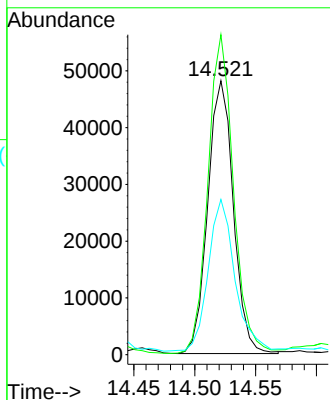
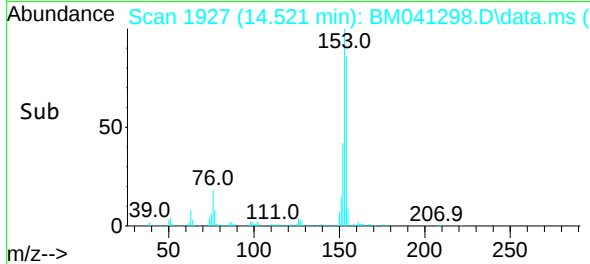
Instrument :
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BUILDING-A-10-(0-5)DL



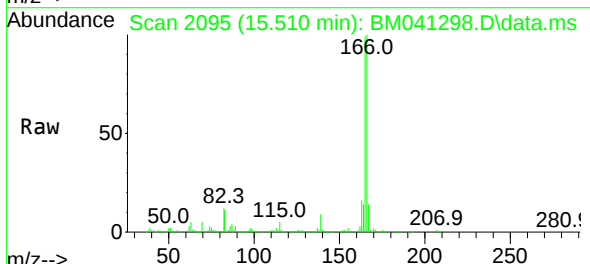
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Ion Ratio Lower Upper
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152 56.7 43.4 65.0

Manual Integrations
APPROVED

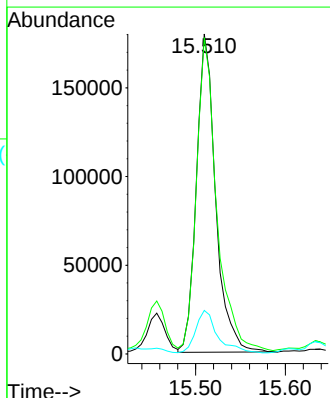
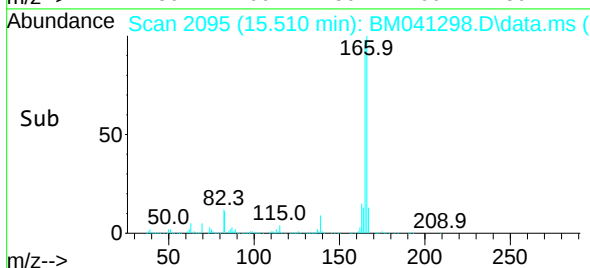
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

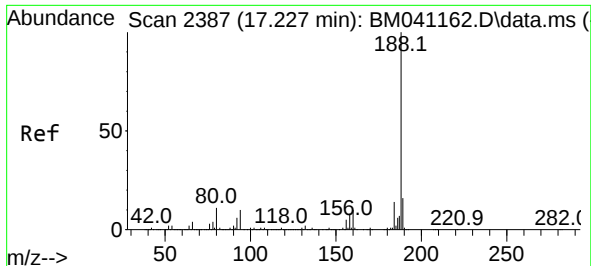


#58
Fluorene
Concen: 7.885 ng
RT: 15.510 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24



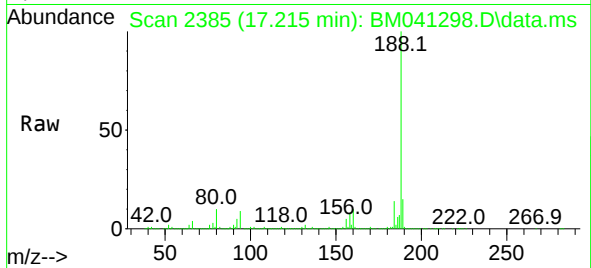
Tgt Ion:166 Resp: 266167
Ion Ratio Lower Upper
166 100
165 98.9 78.2 117.4
167 13.6 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

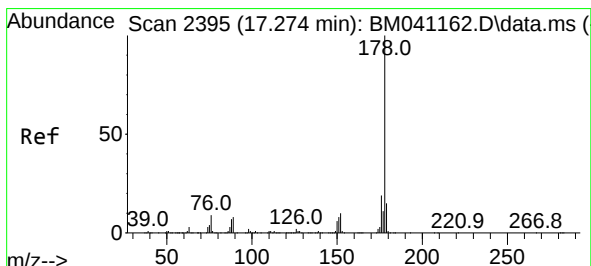
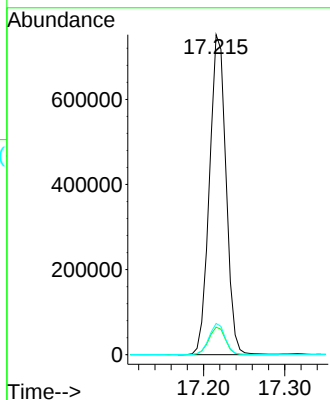
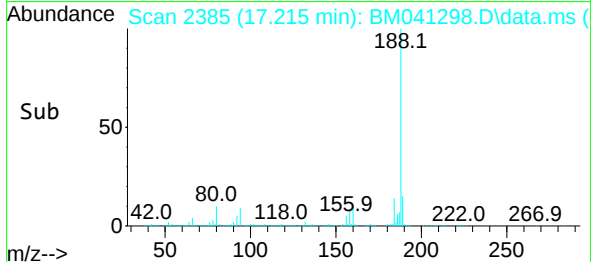
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-10-(0-5)DL



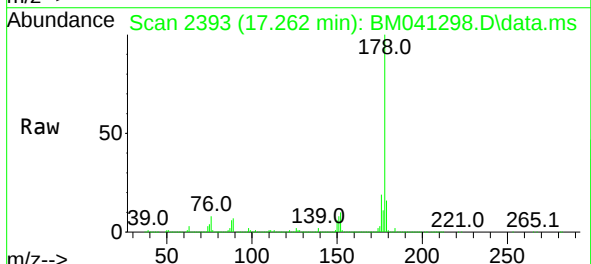
Tgt Ion:188 Resp: 106500
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.2
80 9.7 8.6 13.0

Manual Integrations
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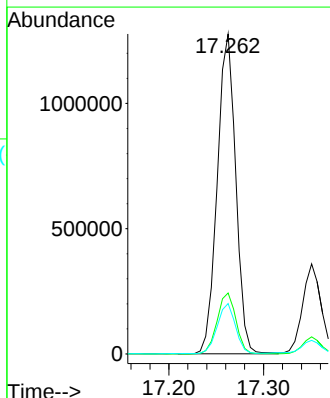
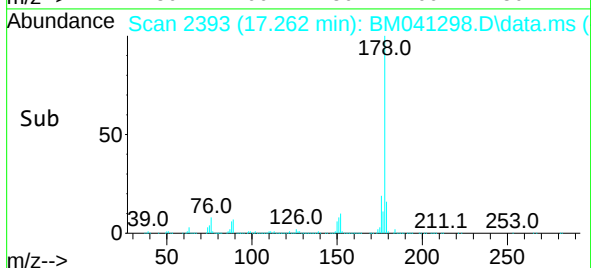
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

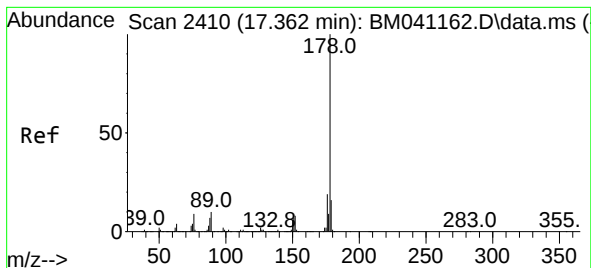


#71
Phenanthrene
Concen: 29.288 ng
RT: 17.262 min Scan# 2393
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24



Tgt Ion:178 Resp: 1733042
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.7 12.1 18.1





#72

Anthracene

Concen: 8.157 ng

RT: 17.351 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM041298.D

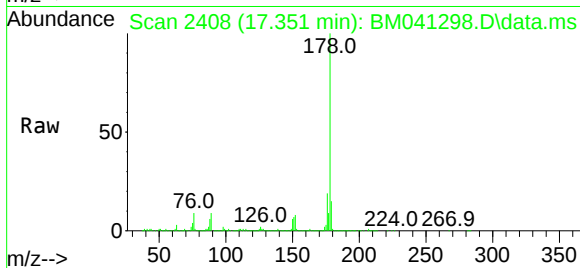
Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL



Tgt Ion:178 Resp: 47739

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

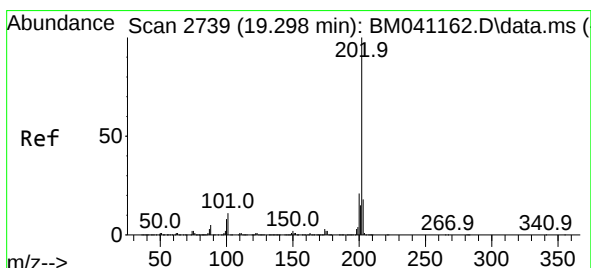
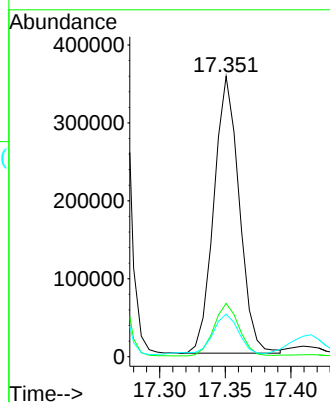
179 15.2 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#75

Fluoranthene

Concen: 28.251 ng

RT: 19.286 min Scan# 2737

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

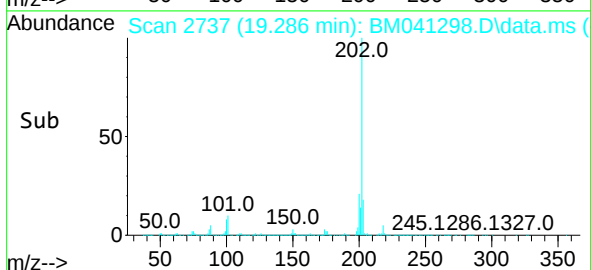
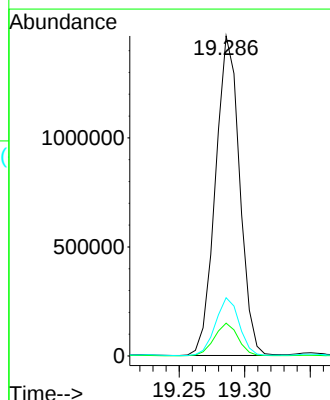
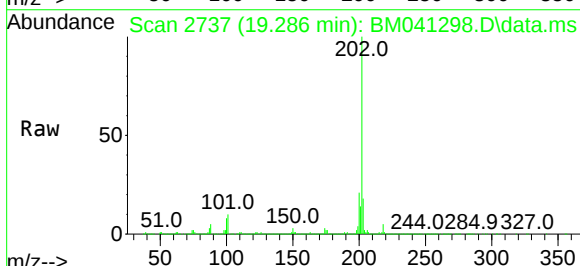
Tgt Ion:202 Resp: 1878094

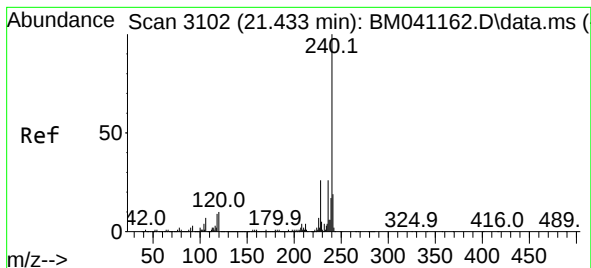
Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.8

203 18.2 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.427 min Scan# 3102

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

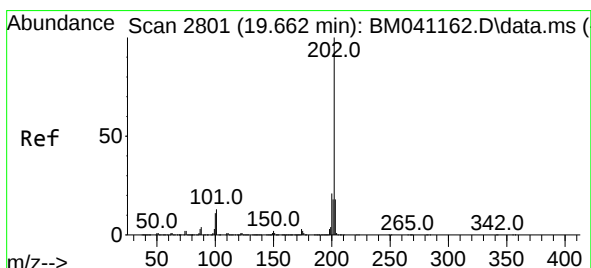
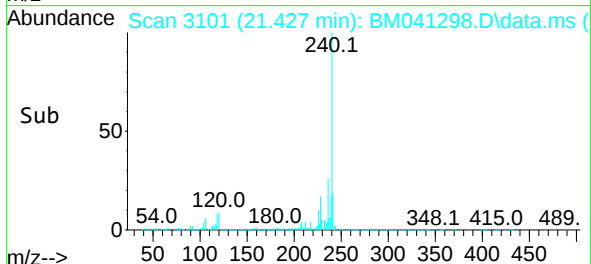
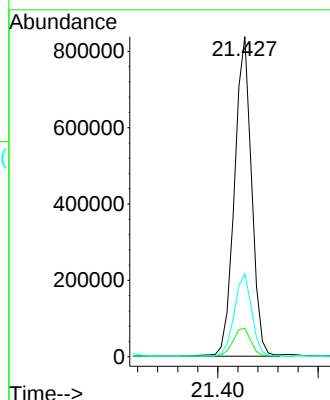
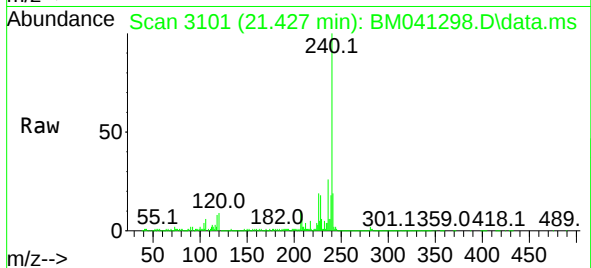
BUILDING-A-10-(0-5)DL

Tgt Ion:240 Resp: 99304

Ion	Ratio	Lower	Upper
240	100		
120	8.9	8.3	12.5
236	26.0	20.6	30.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#78

Pyrene

Concen: 47.887 ng

RT: 19.656 min Scan# 2800

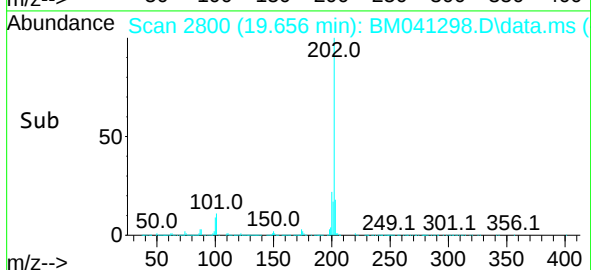
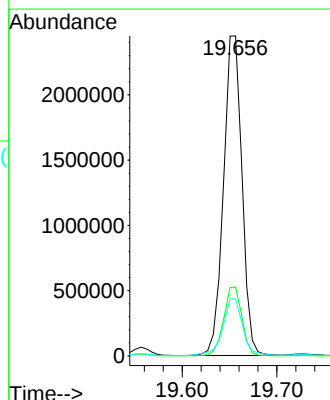
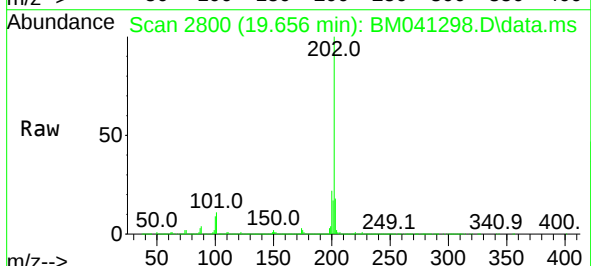
Delta R.T. -0.000 min

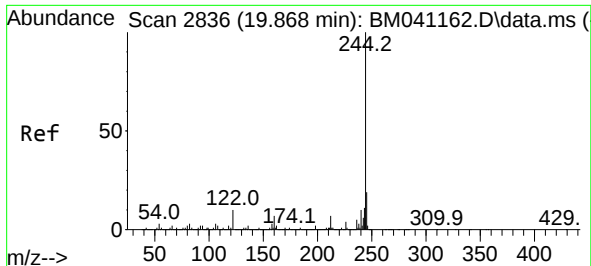
Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Tgt Ion:202 Resp: 3325535

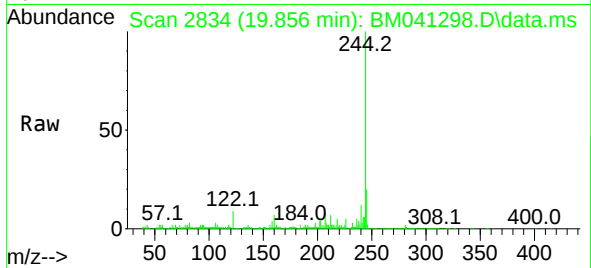
Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	17.8	14.1	21.1





#79
 Terphenyl-d14
 Concen: 5.727 ng
 RT: 19.856 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM041298.D
 Acq: 04 Aug 2023 17:24

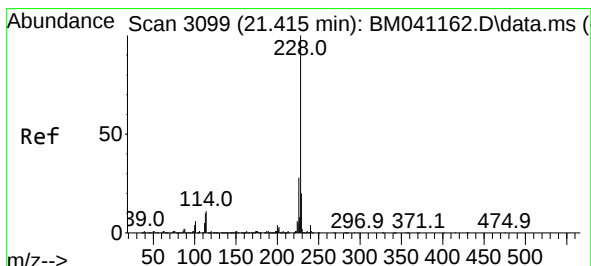
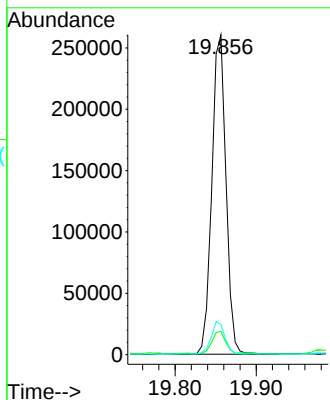
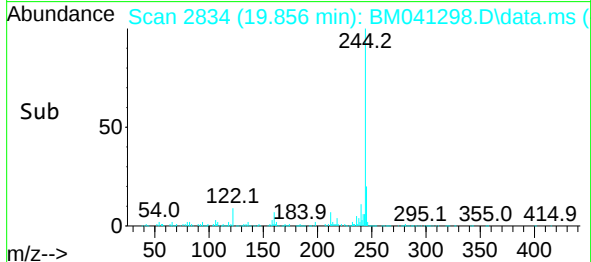
Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-A-10-(0-5)DL



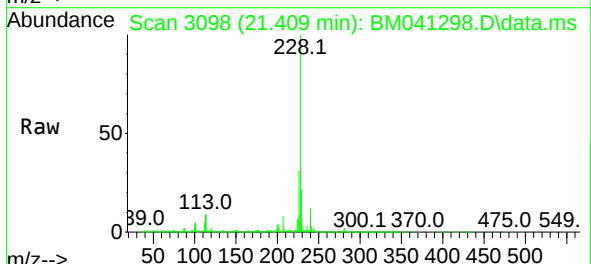
Tgt Ion:244 Resp: 31452
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 9.5 7.8 11.6

Manual Integrations
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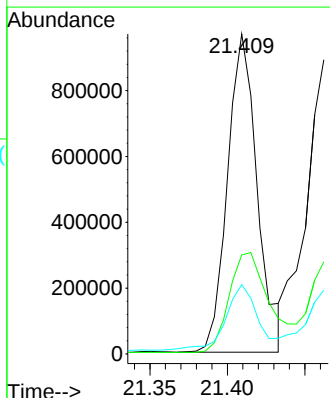
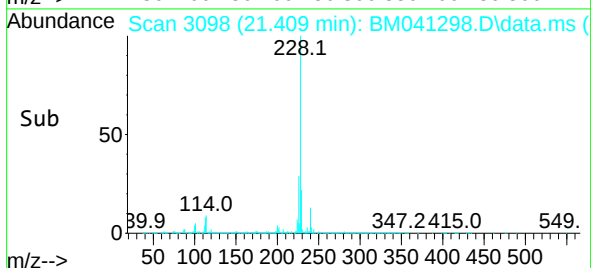
Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023

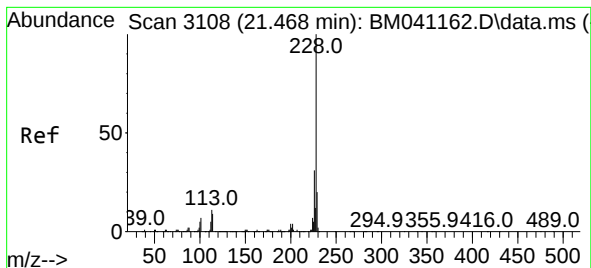


#81
 Benzo(a)anthracene
 Concen: 19.181 ng
 RT: 21.409 min Scan# 3098
 Delta R.T. -0.006 min
 Lab File: BM041298.D
 Acq: 04 Aug 2023 17:24



Tgt Ion:228 Resp: 1291272
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.4 33.6
 229 21.7 15.8 23.8





#83

Chrysene

Concen: 18.264 ng

RT: 21.462 min Scan# 3108

Delta R.T. -0.006 min

Lab File: BM041298.D

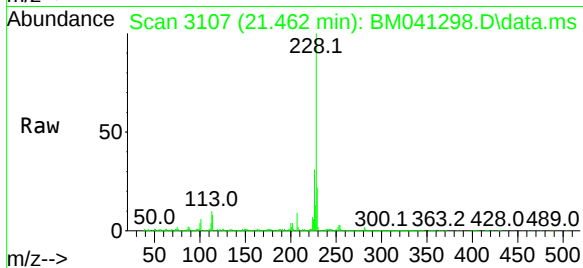
Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL



Tgt Ion:228 Resp: 1189284

Ion Ratio Lower Upper

228 100

226 31.3 24.5 36.7

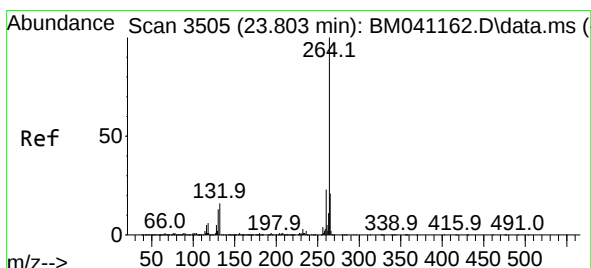
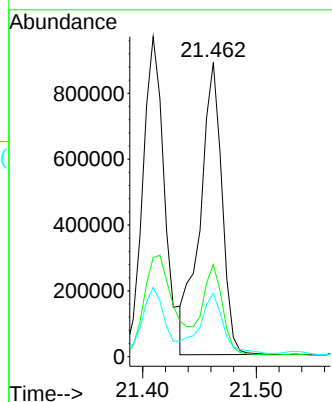
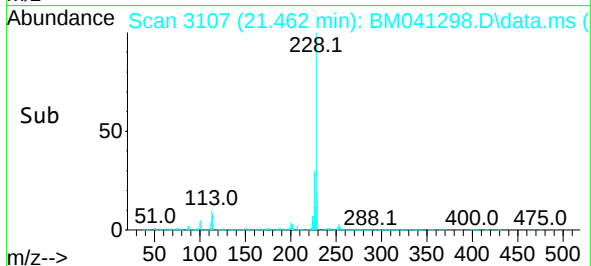
229 21.6 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.797 min Scan# 3504

Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

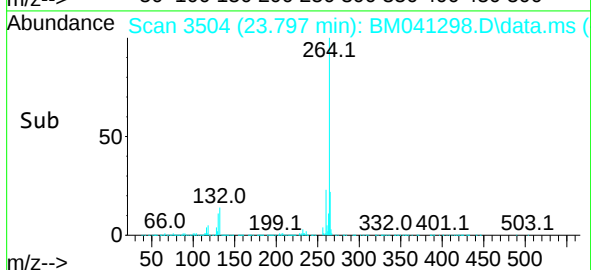
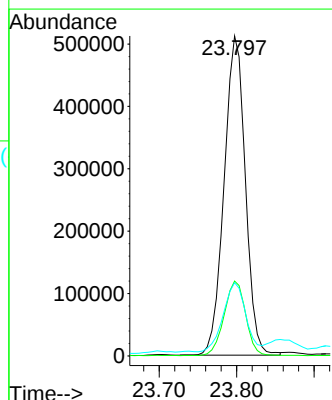
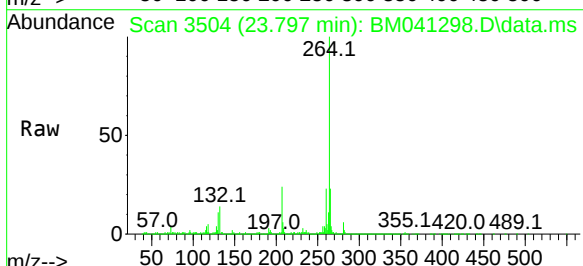
Tgt Ion:264 Resp: 976330

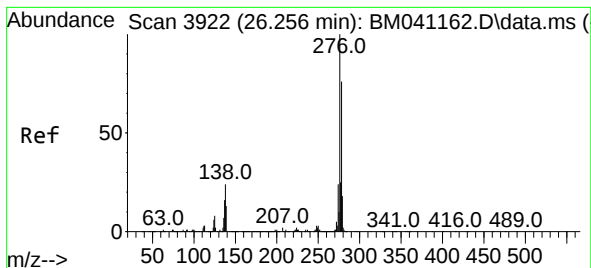
Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.918 ng

RT: 26.238 min Scan# 3919

Delta R.T. -0.024 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL

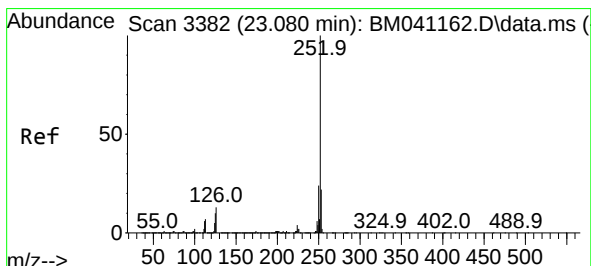
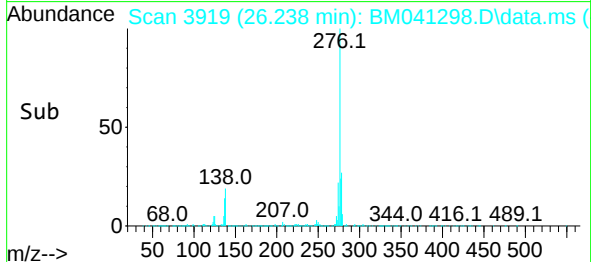
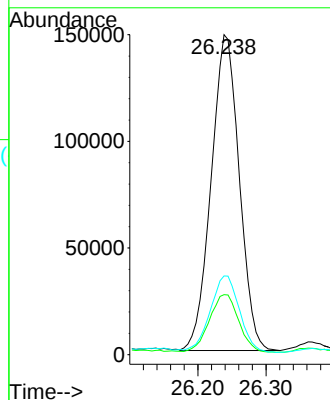
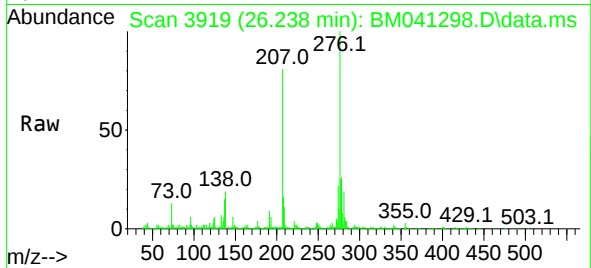
Tgt Ion:	276	Resp:	42477
Ion Ratio	Lower	Upper	
276	100		
138	19.1	20.0	30.0
277	25.2	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#88

Benzo(b)fluoranthene

Concen: 17.877 ng m

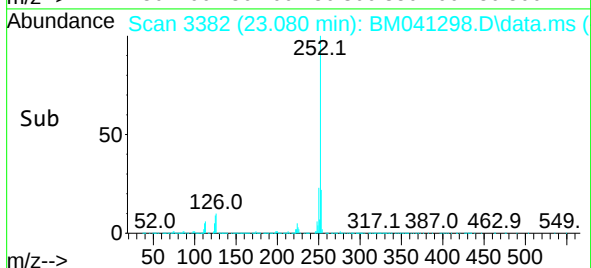
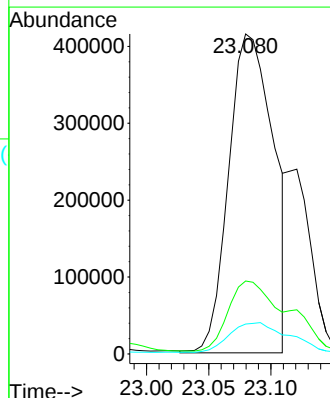
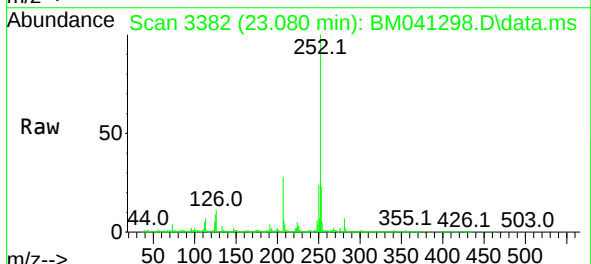
RT: 23.080 min Scan# 3382

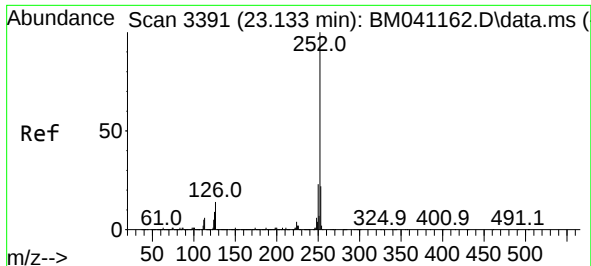
Delta R.T. -0.006 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Tgt Ion:	252	Resp:	1036890
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.7	26.5
125	9.3	8.2	12.4





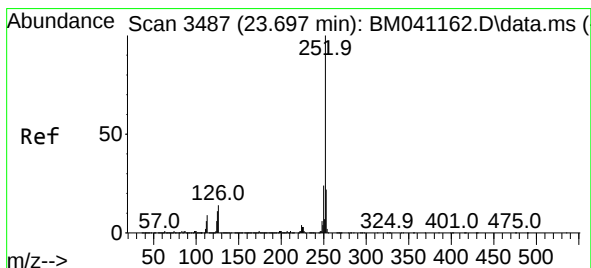
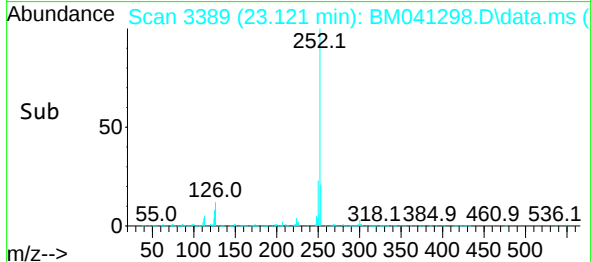
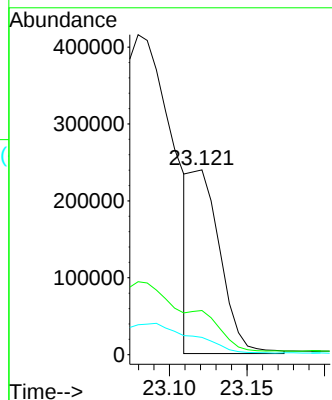
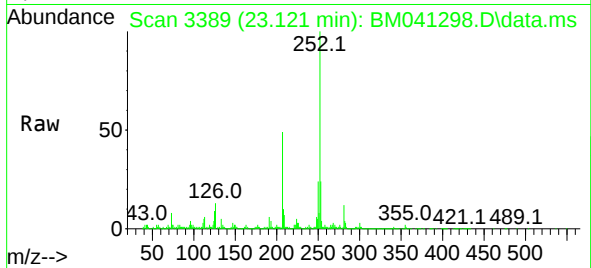
#89
Benzo(k)fluoranthene
Concen: 5.521 ng m
RT: 23.121 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

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

Tgt Ion:252 Resp: 32754
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 9.4 7.6 11.4

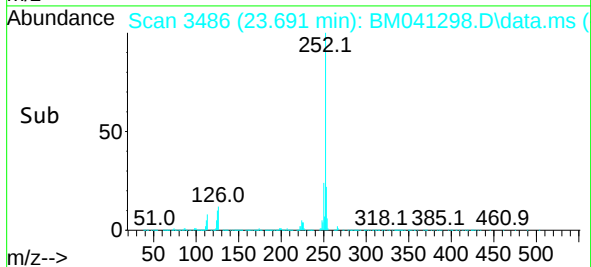
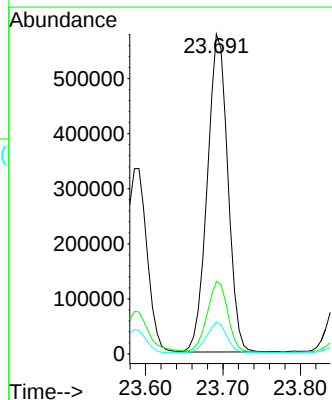
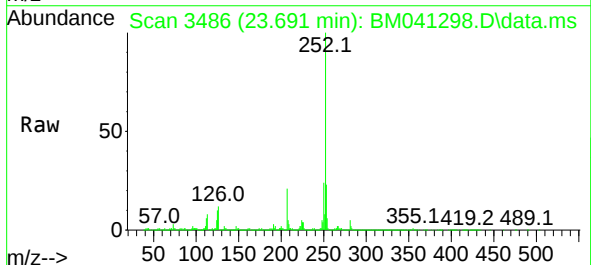
Manual Integrations
APPROVED

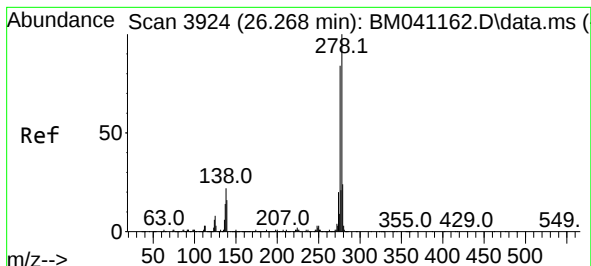
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#90
Benzo(a)pyrene
Concen: 19.023 ng
RT: 23.691 min Scan# 3486
Delta R.T. -0.006 min
Lab File: BM041298.D
Acq: 04 Aug 2023 17:24

Tgt Ion:252 Resp: 1060123
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 10.0 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 2.366 ng

RT: 26.244 min Scan# 3924

Delta R.T. -0.030 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-10-(0-5)DL

Tgt Ion: 278 Resp: 14167

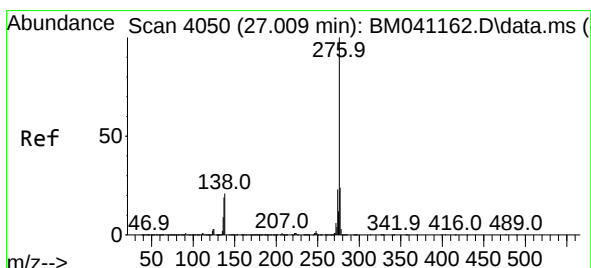
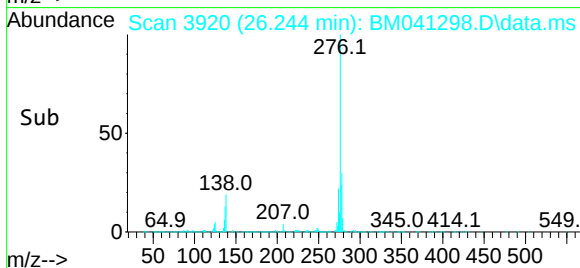
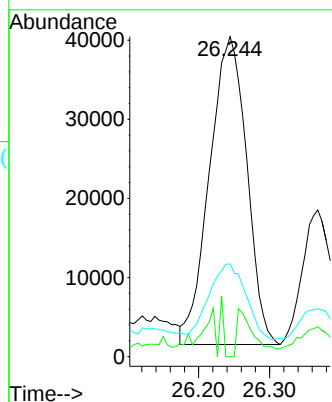
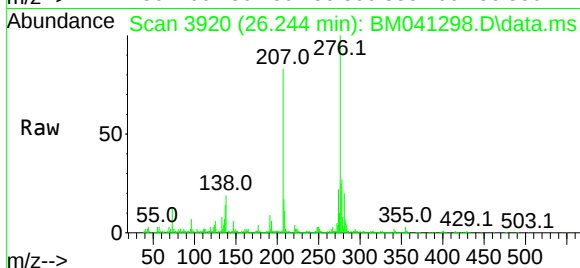
Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1
279	29.0	19.1	28.7

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 08/07/2023

Supervised By : mohammad ahmed 08/07/2023



#92

Benzo(g,h,i)perylene

Concen: 7.834 ng

RT: 26.997 min Scan# 4048

Delta R.T. -0.018 min

Lab File: BM041298.D

Acq: 04 Aug 2023 17:24

Tgt Ion: 276 Resp: 458950

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	18.9	17.1	25.7

