

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080423\
 Data File : BM041300.D
 Acq On : 04 Aug 2023 18:38
 Operator : MA/JU
 Sample : 03862-03DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-B-17-(0-5)DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 05 01:29:22 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	142849	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	616753	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	407758	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	957410	20.000	ng	0.00
76) Chrysene-d12	21.421	240	956473	20.000	ng	-0.01
86) Perylene-d12	23.797	264	980253	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	79770	8.346	ng	0.00
7) Phenol-d6	6.975	99	103636	8.365	ng	0.00
23) Nitrobenzene-d5	8.969	82	68671	5.178	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	47782	8.285	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	170090	5.269	ng	-0.01
79) Terphenyl-d14	19.851	244	298505	5.643	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.645	128	185435	5.541	ng	100
37) 2-Methylnaphthalene	12.263	142	209865	9.301	ng	98
38) 1-Methylnaphthalene	12.486	142	173657	8.223	ng	98
49) Acenaphthylene	14.180	152	280098	7.031	ng	97
58) Fluorene	15.510	166	307541	9.956	ng	100
71) Phenanthrene	17.263	178	1960626	36.858	ng	99
72) Anthracene	17.351	178	461523	8.773	ng	99
75) Fluoranthene	19.286	202	1487229	24.886	ng	99
78) Pyrene	19.651	202	1989997	29.751	ng	100
81) Benzo(a)anthracene	21.409	228	717255	11.062	ng	93
83) Chrysene	21.462	228	623297	9.938	ng	98
87) Indeno(1,2,3-cd)pyrene	26.233	276	285354	3.959	ng	# 93
88) Benzo(b)fluoranthene	23.074	252	612397m	10.516	ng	
89) Benzo(k)fluoranthene	23.115	252	232397m	3.901	ng	
90) Benzo(a)pyrene	23.686	252	544854	9.738	ng	96
92) Benzo(g,h,i)perylene	26.991	276	296585	5.042	ng	97

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

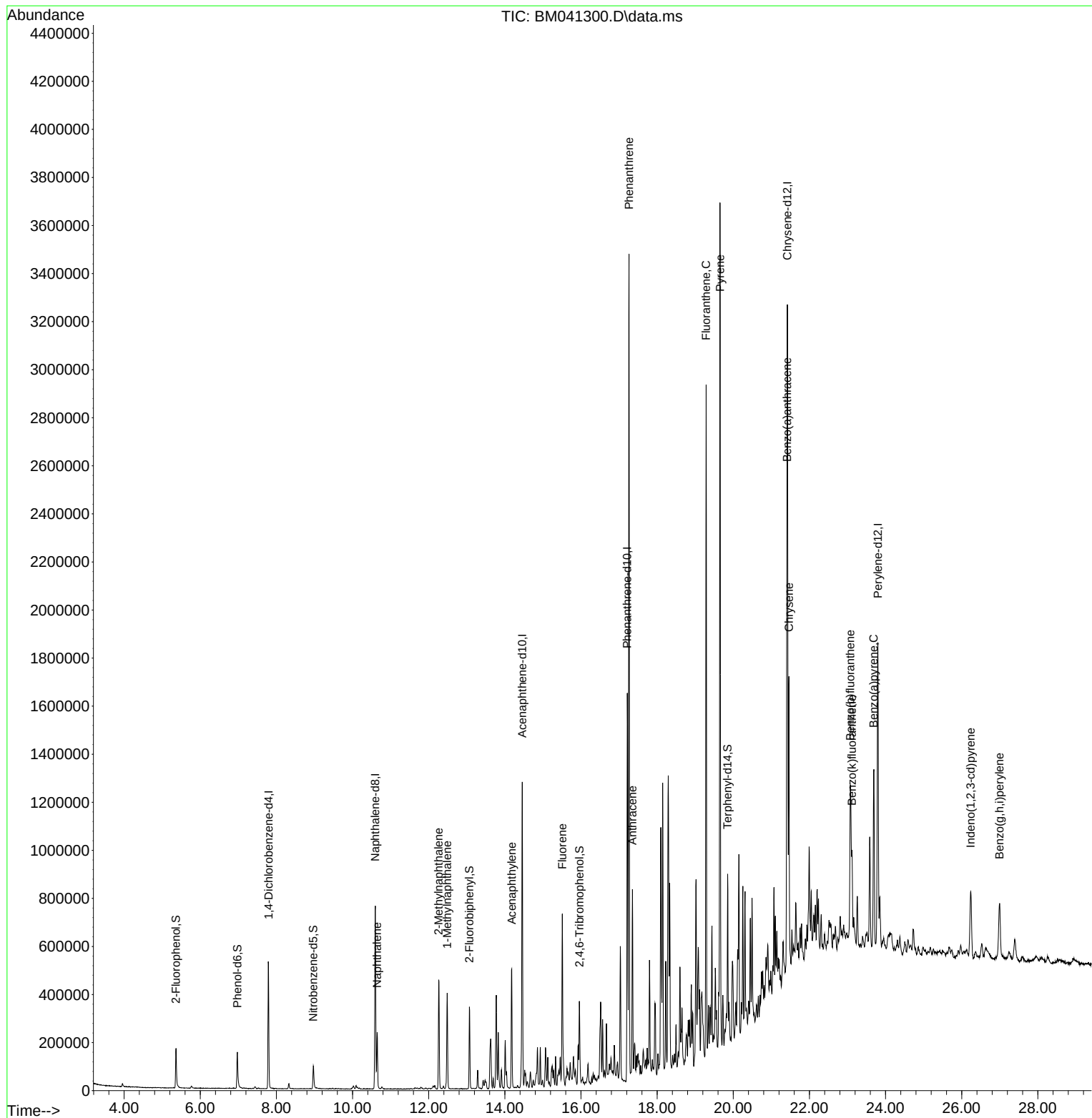
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080423\
Data File : BM041300.D
Acq On : 04 Aug 2023 18:38
Operator : MA/JU
Sample : 03862-03DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

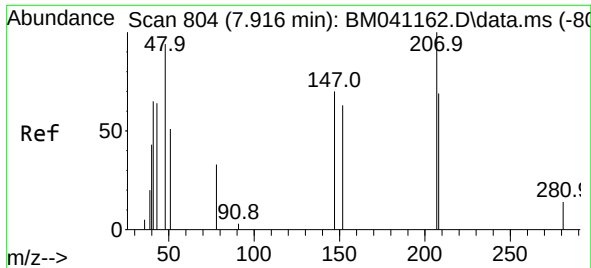
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

Quant Time: Aug 05 01:29:22 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

Manual Integrations
APPROVED

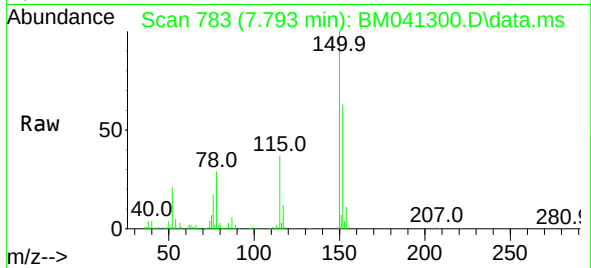
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

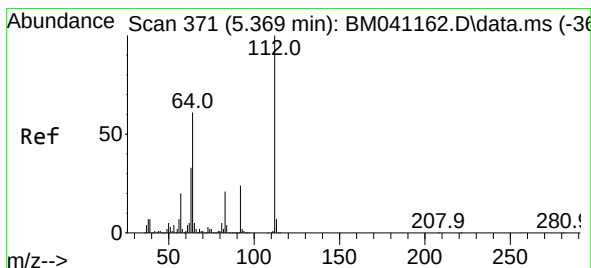
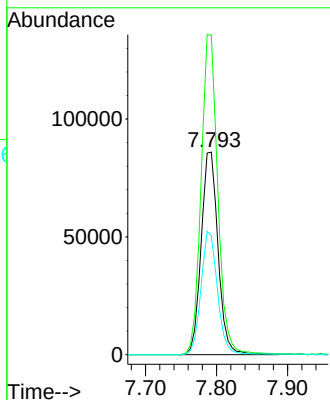
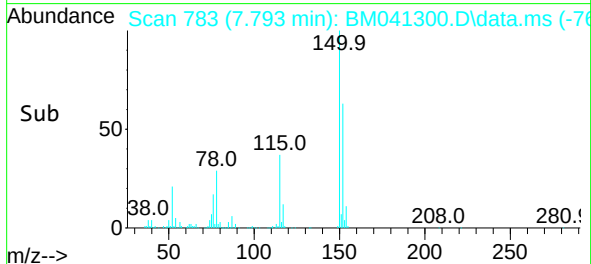
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL



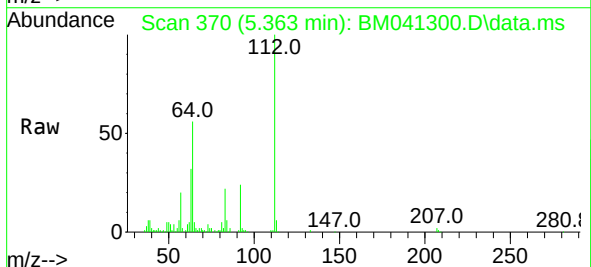
Tgt Ion:152 Resp: 142849
Ion Ratio Lower Upper
152 100
150 157.8 125.5 188.3
115 58.8 48.0 72.0

Manual Integrations
APPROVED

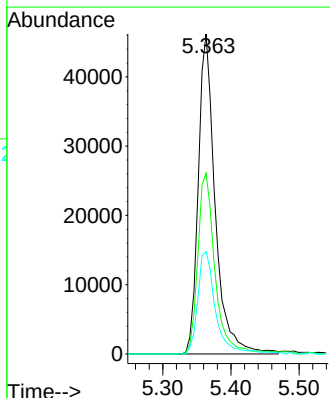
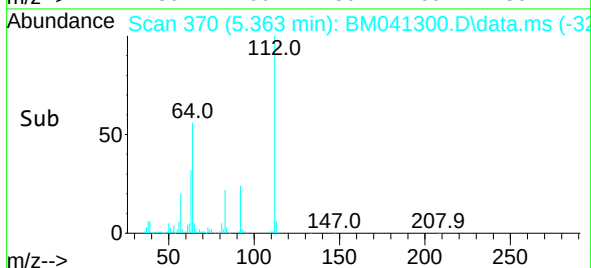
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

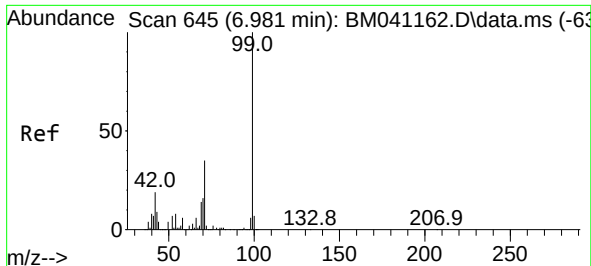


#5
2-Fluorophenol
Concen: 8.346 ng
RT: 5.363 min Scan# 370
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38



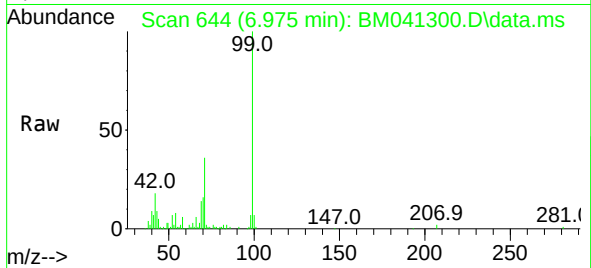
Tgt Ion:112 Resp: 79770
Ion Ratio Lower Upper
112 100
64 56.5 48.5 72.7
63 32.0 26.5 39.7





#7
Phenol-d6
Concen: 8.365 ng
RT: 6.975 min Scan# 645
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

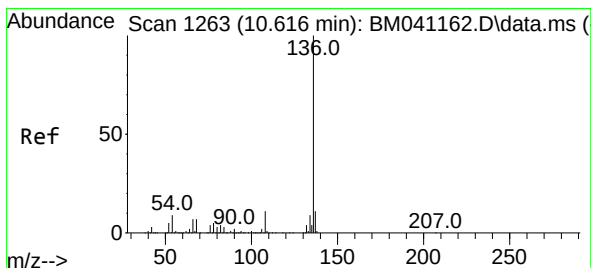
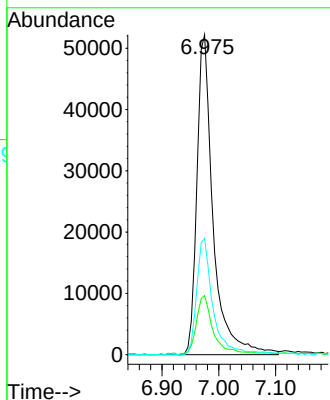
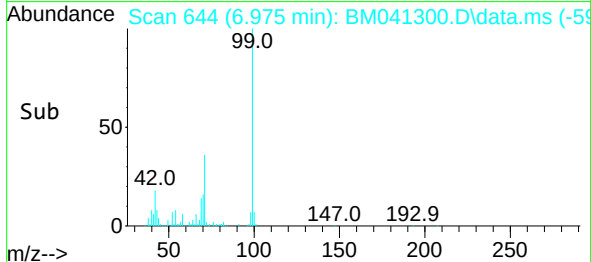
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL



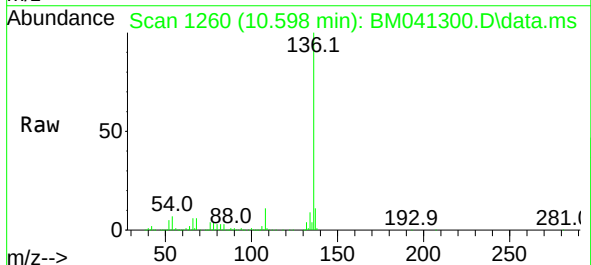
Tgt Ion: 99 Resp: 103630
Ion Ratio Lower Upper
99 100
42 18.5 15.4 23.0
71 36.3 28.2 42.4

Manual Integrations
APPROVED

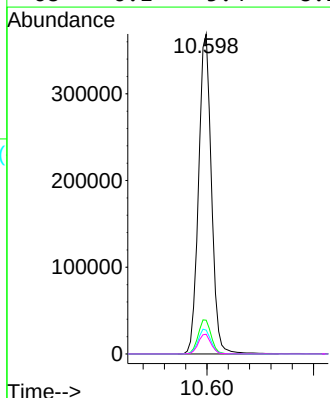
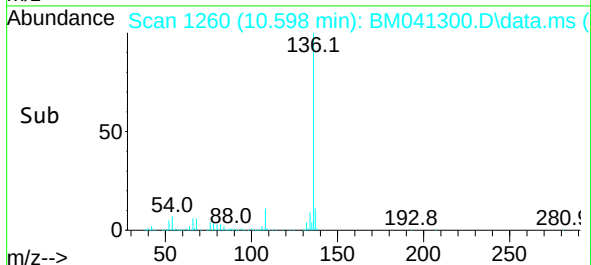
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

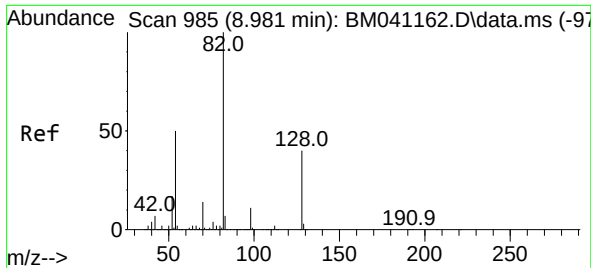


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38



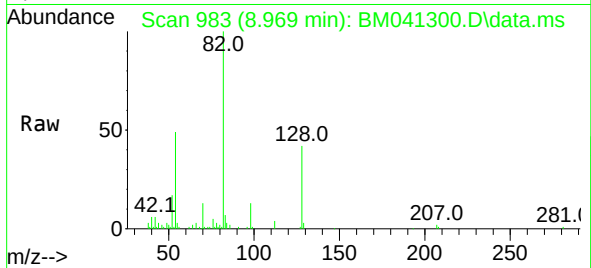
Tgt Ion:136 Resp: 616753
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.5 6.9 10.3
68 6.1 5.4 8.2





#23
Nitrobenzene-d5
Concen: 5.178 ng
RT: 8.969 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

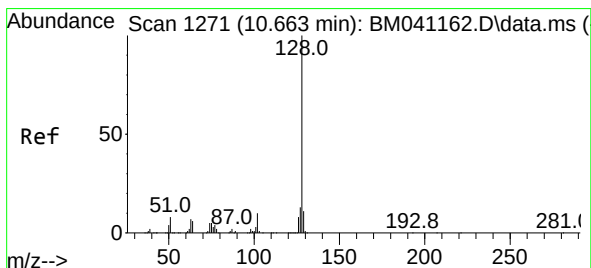
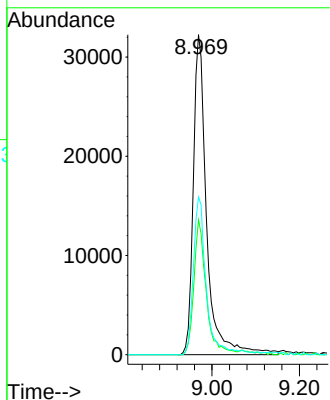
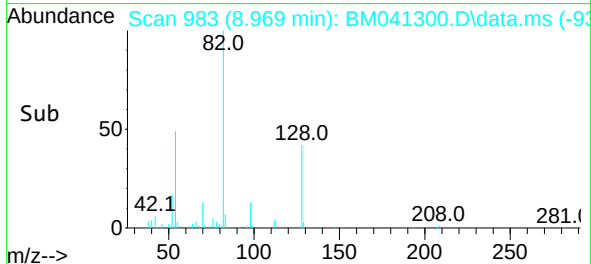
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL



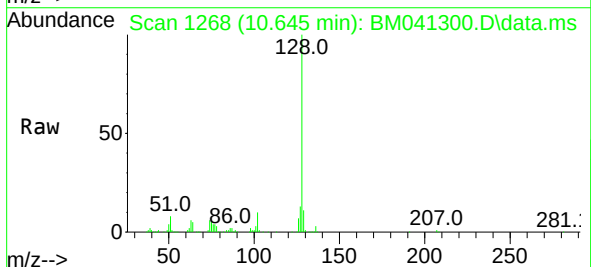
Tgt Ion: 82 Resp: 6867
Ion Ratio Lower Upper
82 100
128 42.1 31.8 47.6
54 49.3 40.1 60.1

Manual Integrations
APPROVED

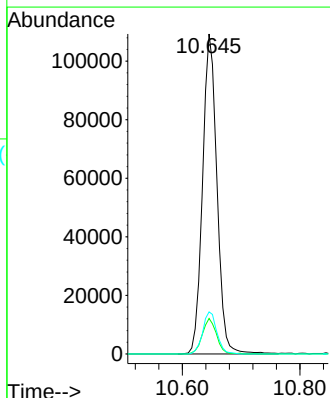
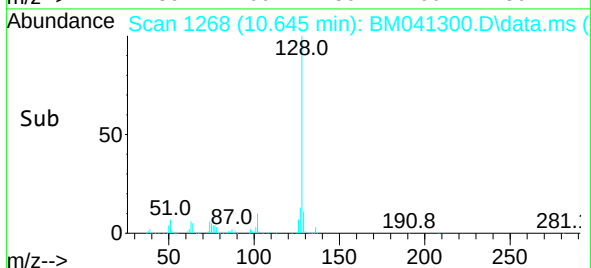
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

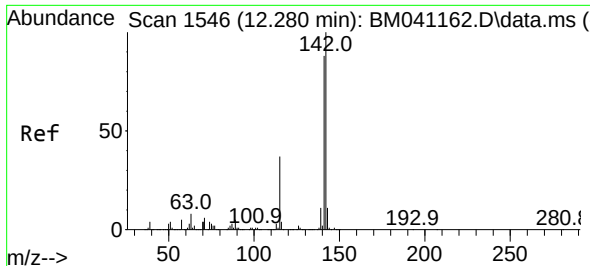


#31
Naphthalene
Concen: 5.541 ng
RT: 10.645 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38



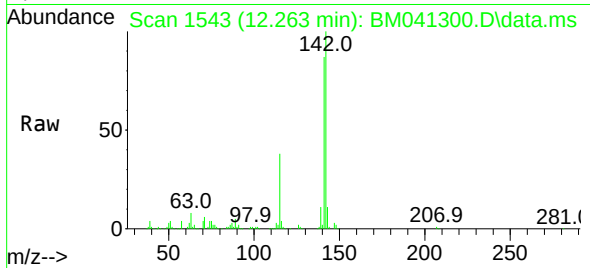
Tgt Ion:128 Resp: 185435
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.5 15.7





#37
2-Methylnaphthalene
Concen: 9.301 ng
RT: 12.263 min Scan# 1543
Delta R.T. -0.012 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

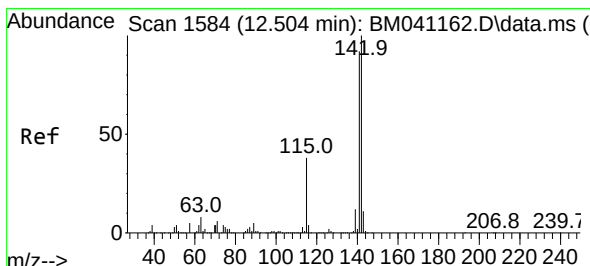
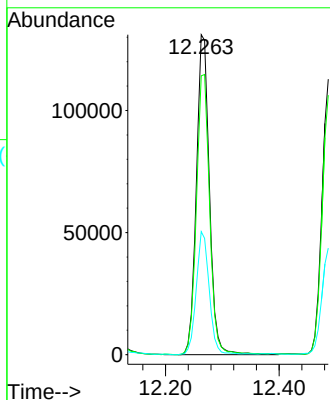
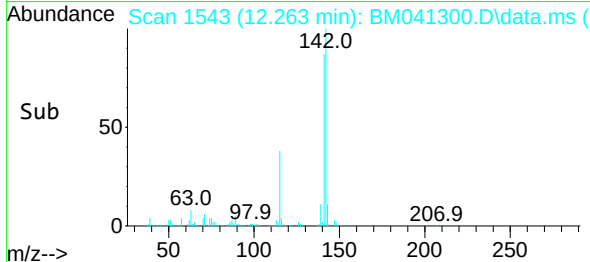
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL



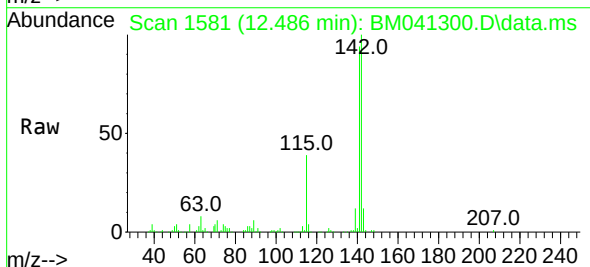
Tgt Ion:142 Resp: 20986
Ion Ratio Lower Upper
142 100
141 87.2 70.7 106.1
115 38.5 29.3 43.9

Manual Integrations
APPROVED

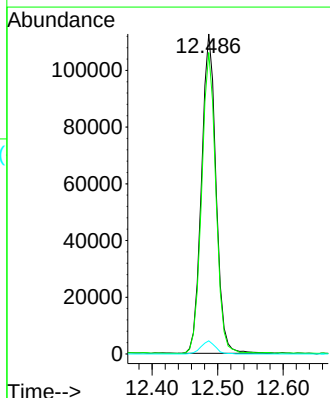
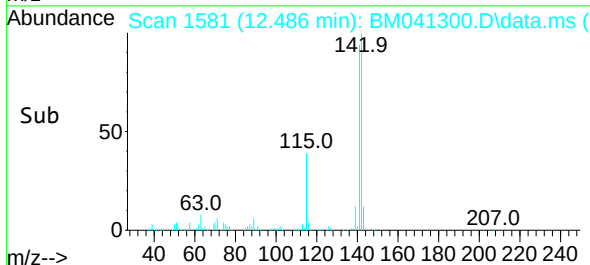
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

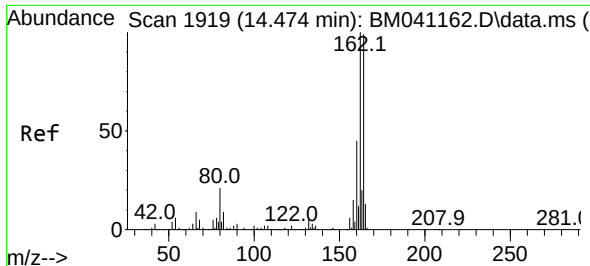


#38
1-Methylnaphthalene
Concen: 8.223 ng
RT: 12.486 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38



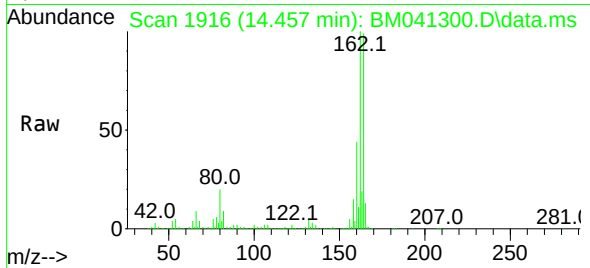
Tgt Ion:142 Resp: 173657
Ion Ratio Lower Upper
142 100
141 94.2 73.4 110.2
116 4.1 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

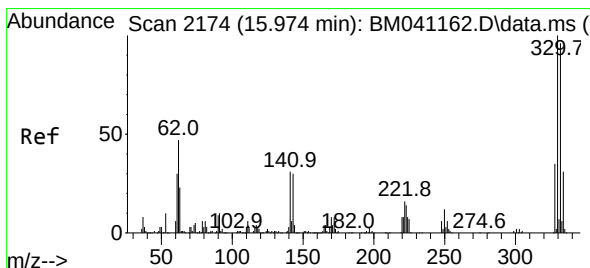
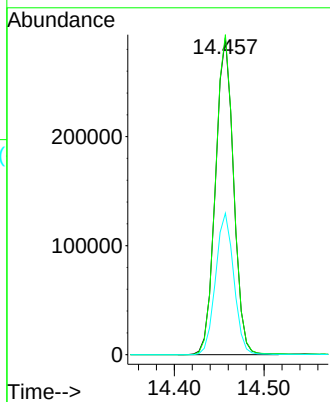
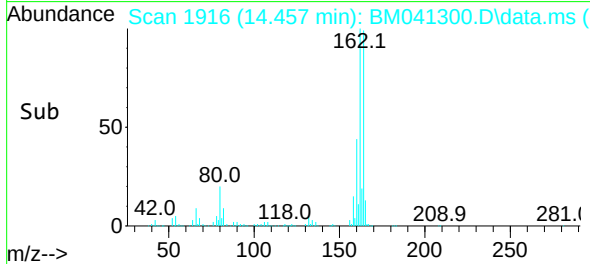
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL



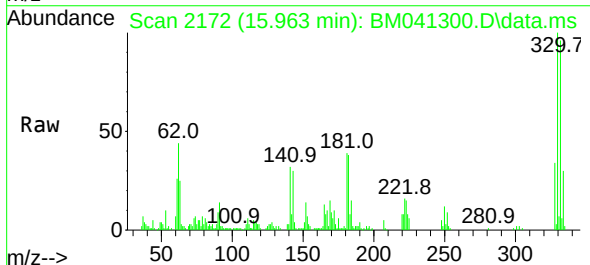
Tgt Ion:164 Resp: 407758
Ion Ratio Lower Upper
164 100
162 100.9 80.4 120.6
160 44.6 36.2 54.2

Manual Integrations
APPROVED

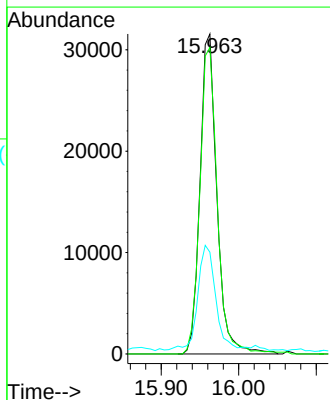
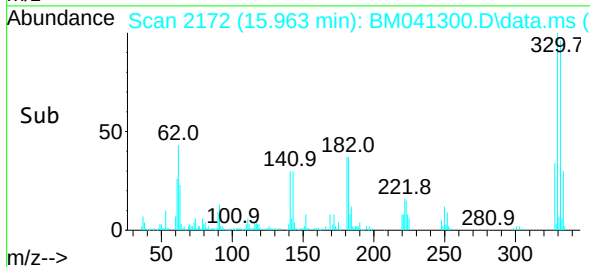
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

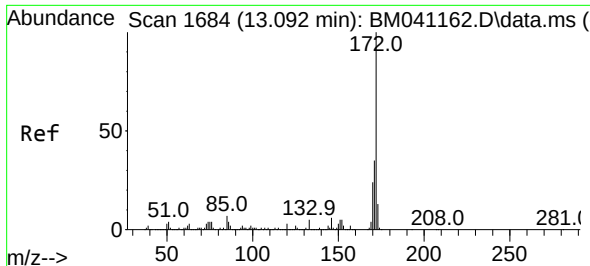


#42
2,4,6-Tribromophenol
Concen: 8.285 ng
RT: 15.963 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38



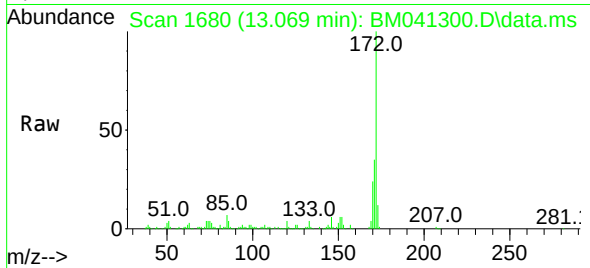
Tgt Ion:330 Resp: 47782
Ion Ratio Lower Upper
330 100
332 99.1 77.7 116.5
141 34.2 28.3 42.5





#45
2-Fluorobiphenyl
Concen: 5.269 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

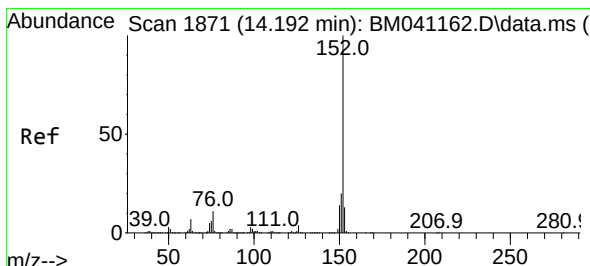
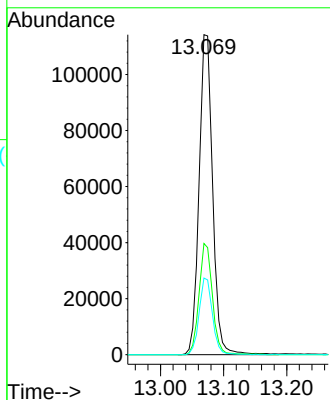
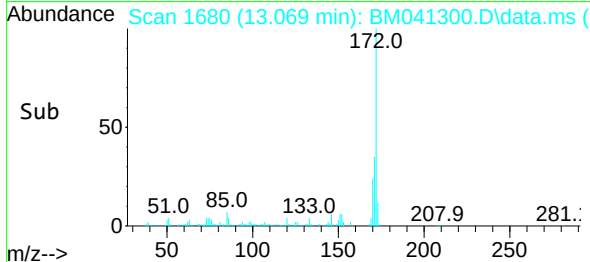
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL



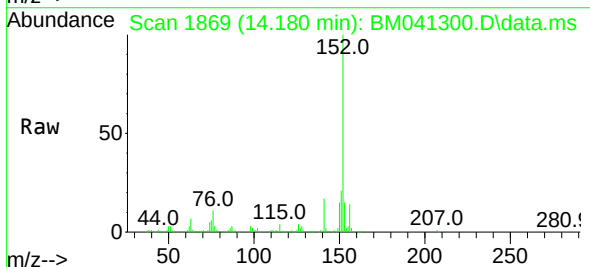
Tgt Ion:172 Resp: 170090
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.9 18.9 28.3

Manual Integrations
APPROVED

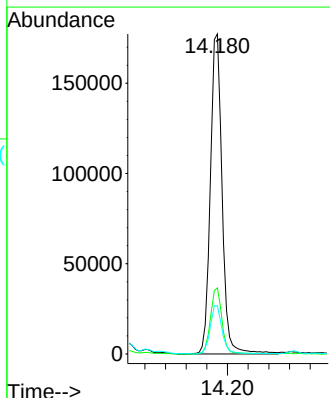
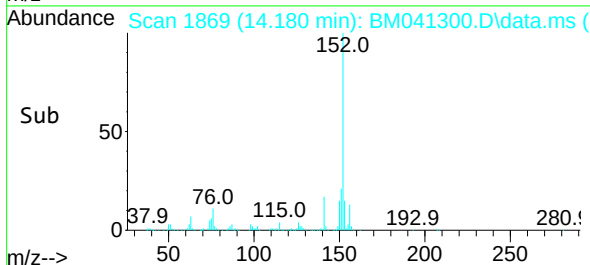
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

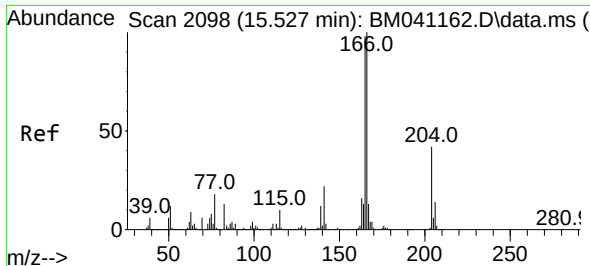


#49
Acenaphthylene
Concen: 7.031 ng
RT: 14.180 min Scan# 1869
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38



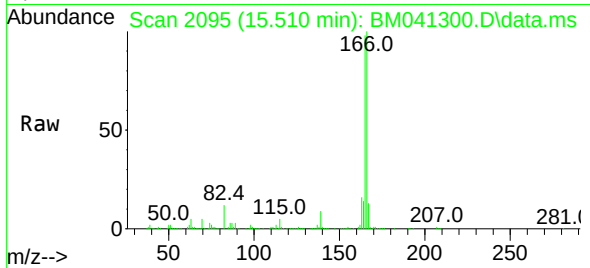
Tgt Ion:152 Resp: 280098
Ion Ratio Lower Upper
152 100
151 20.7 16.1 24.1
153 15.0 10.5 15.7





#58
Fluorene
Concen: 9.956 ng
RT: 15.510 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

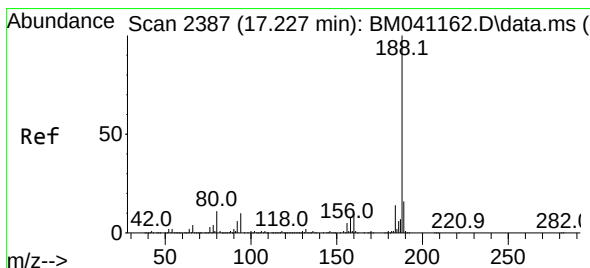
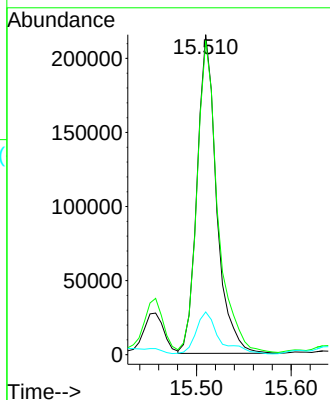
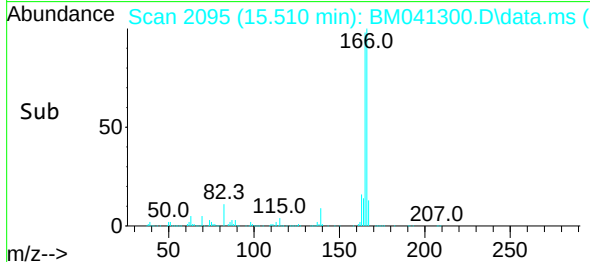
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL



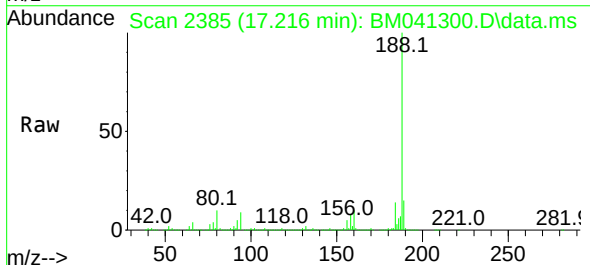
Tgt Ion:166 Resp: 30754
Ion Ratio Lower Upper
166 100
165 98.2 78.2 117.4
167 13.3 10.6 16.0

Manual Integrations
APPROVED

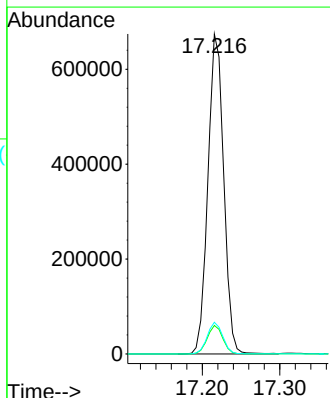
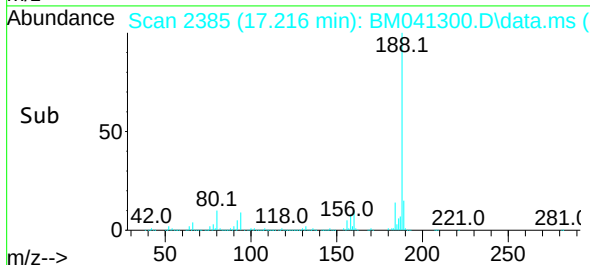
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

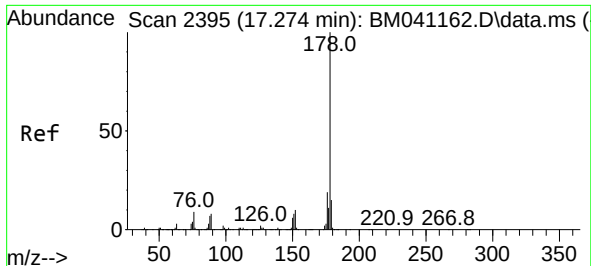


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38



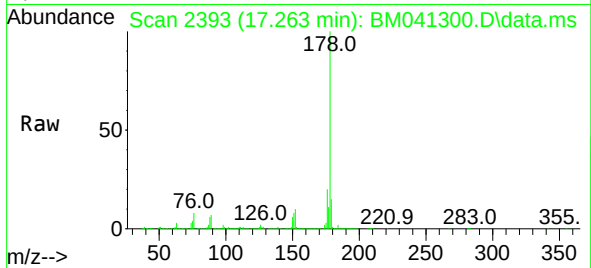
Tgt Ion:188 Resp: 957410
Ion Ratio Lower Upper
188 100
94 8.9 8.2 12.2
80 9.9 8.6 13.0





#71
Phenanthrene
Concen: 36.858 ng
RT: 17.263 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

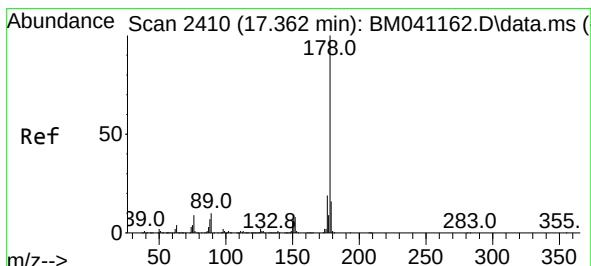
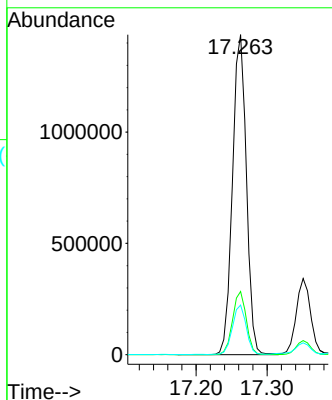
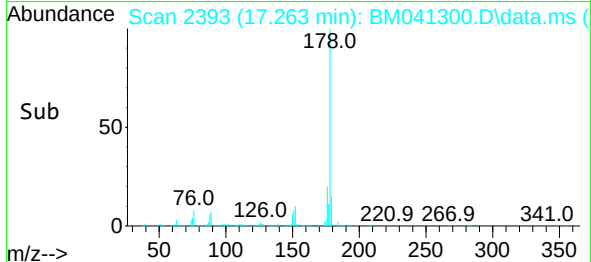
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL



Tgt Ion:178 Resp: 1960620
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.5 12.1 18.1

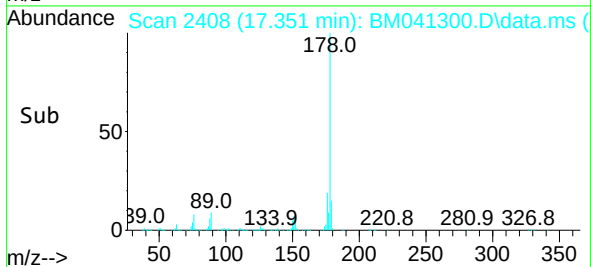
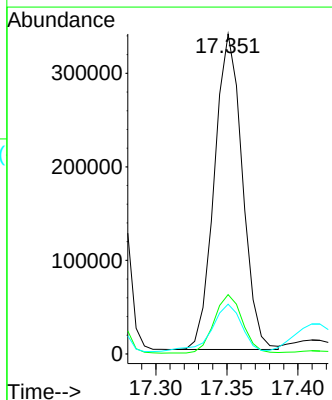
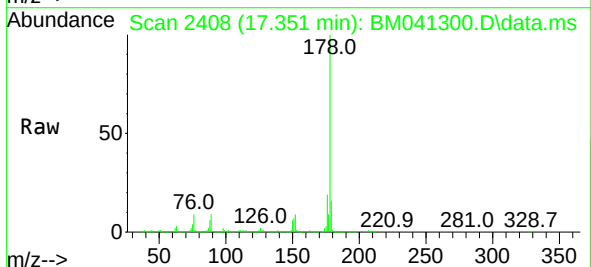
Manual Integrations
APPROVED

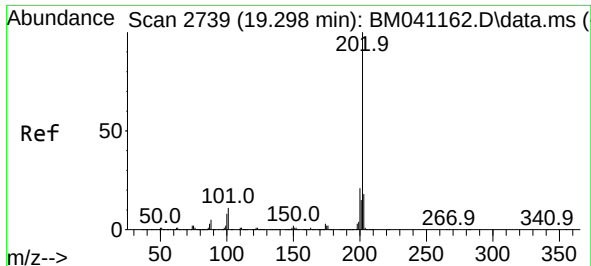
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#72
Anthracene
Concen: 8.773 ng
RT: 17.351 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

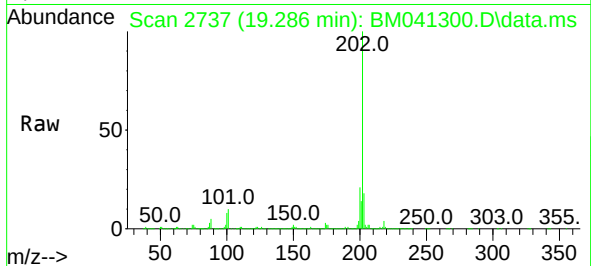
Tgt Ion:178 Resp: 461523
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 15.6 12.4 18.6





#75
Fluoranthene
Concen: 24.886 ng
RT: 19.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

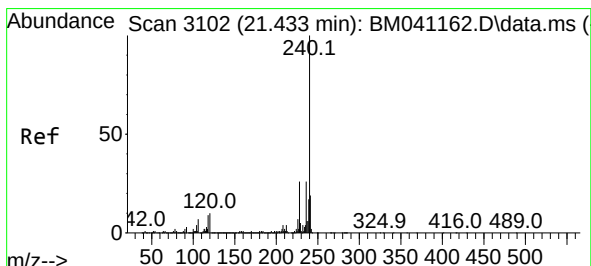
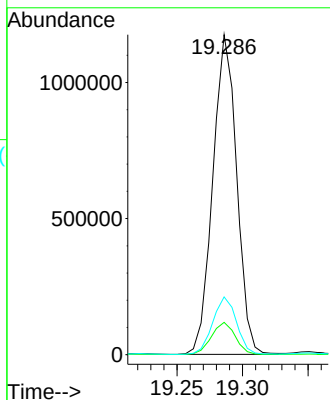
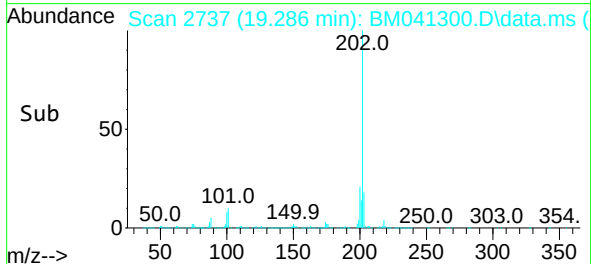
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL



Tgt Ion:202 Resp: 1487229
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.8
203 18.1 0.0 37.6

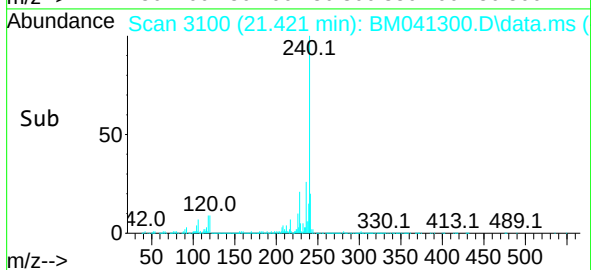
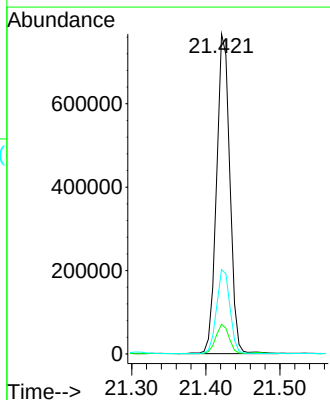
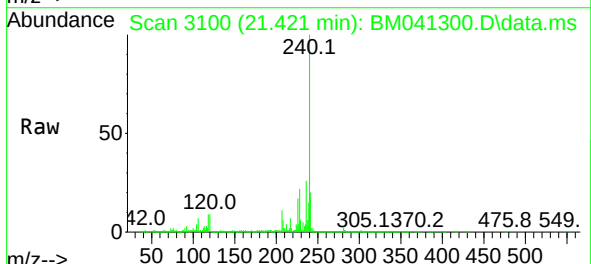
Manual Integrations
APPROVED

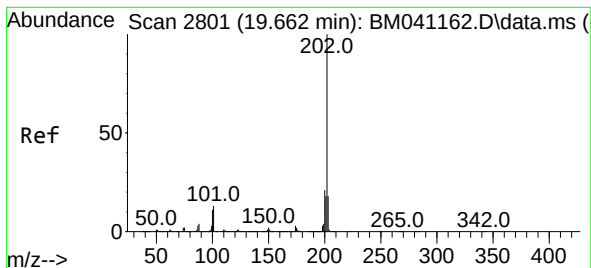
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3100
Delta R.T. -0.012 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Tgt Ion:240 Resp: 956473
Ion Ratio Lower Upper
240 100
120 9.2 8.3 12.5
236 26.4 20.6 30.8





#78

Pyrene

Concen: 29.751 ng

RT: 19.651 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-17-(0-5)DL

Tgt Ion:202 Resp: 198999

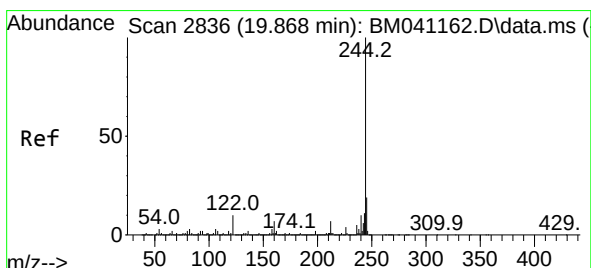
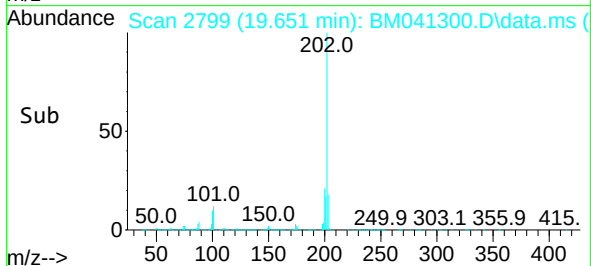
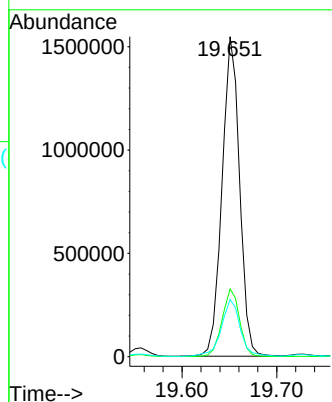
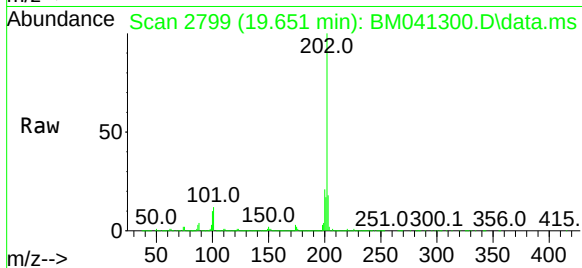
Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.8	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#79

Terphenyl-d14

Concen: 5.643 ng

RT: 19.851 min Scan# 2833

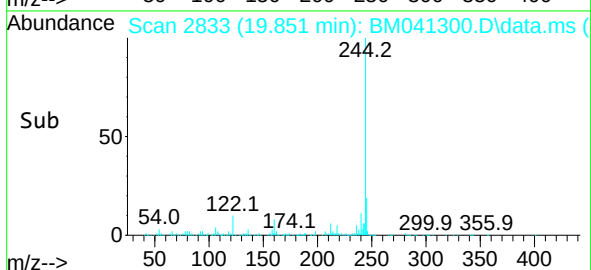
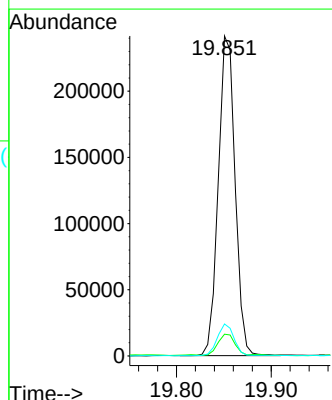
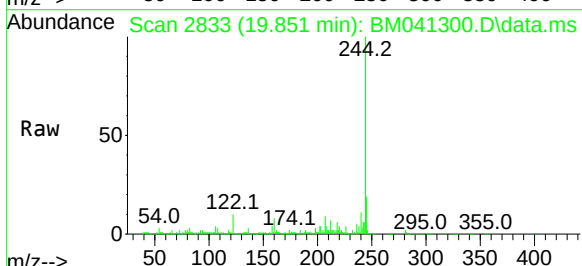
Delta R.T. -0.012 min

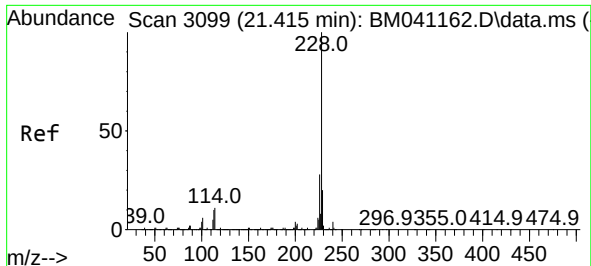
Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

Tgt Ion:244 Resp: 298505

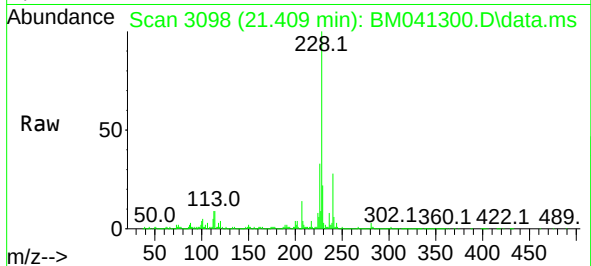
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.0	7.8	11.6





#81
Benzo(a)anthracene
Concen: 11.062 ng
RT: 21.409 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

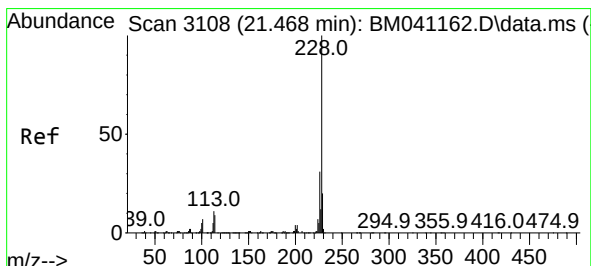
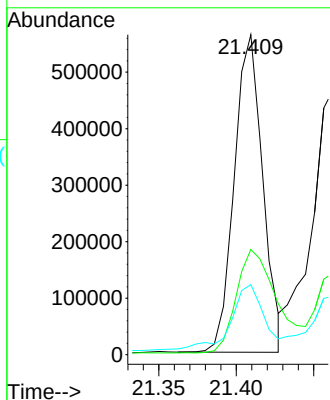
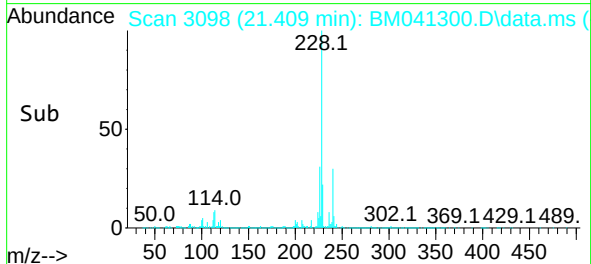
Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL



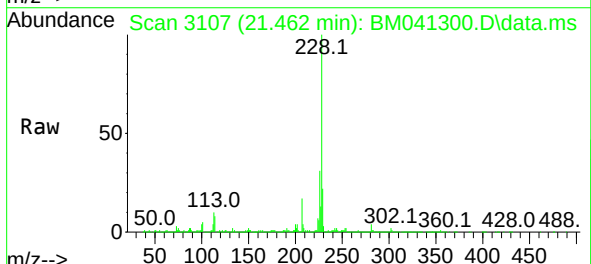
Tgt Ion:228 Resp: 71725
Ion Ratio Lower Upper
228 100
226 32.9 22.4 33.6
229 21.9 15.8 23.8

Manual Integrations
APPROVED

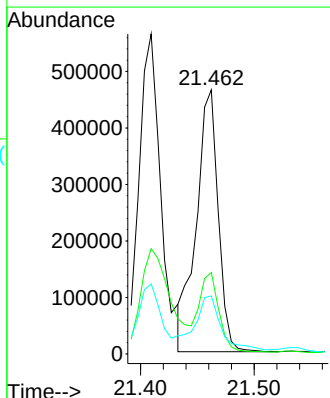
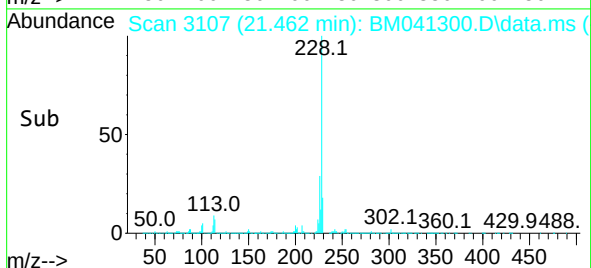
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

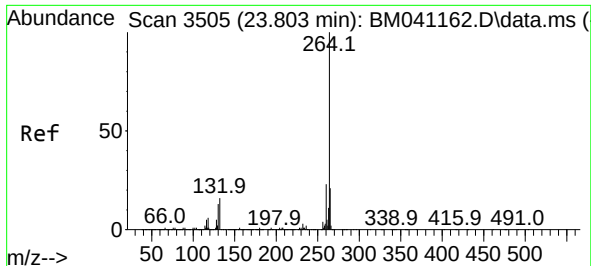


#83
Chrysene
Concen: 9.938 ng
RT: 21.462 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38



Tgt Ion:228 Resp: 623297
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 22.0 15.8 23.8





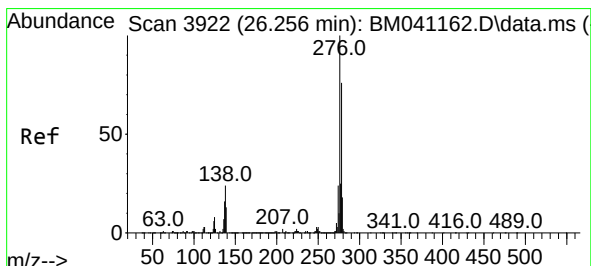
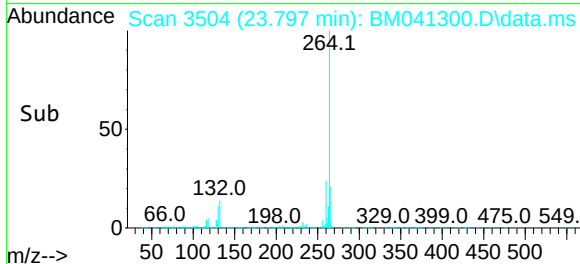
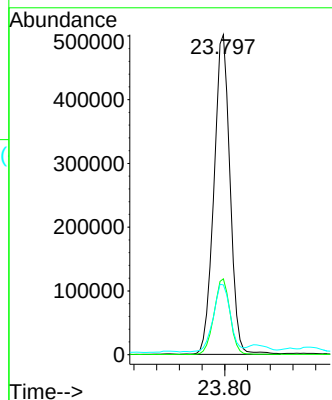
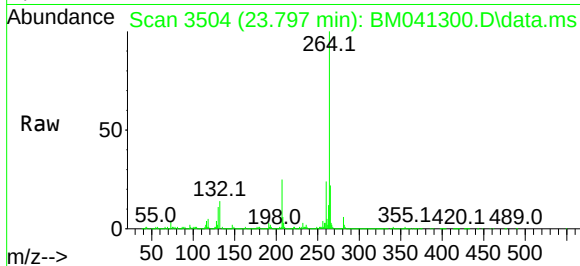
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.797 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

Tgt Ion:264 Resp: 98025
Ion Ratio Lower Upper
264 100
260 23.7 18.5 27.7
265 21.8 17.4 26.0

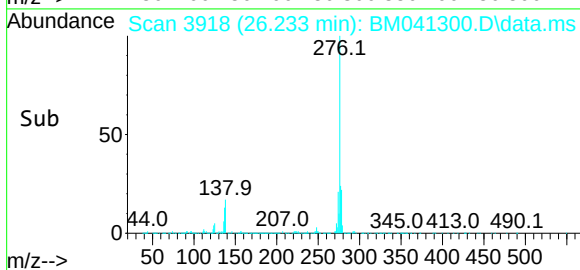
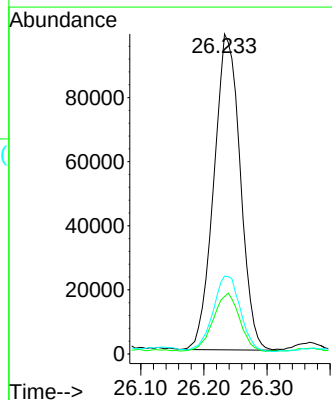
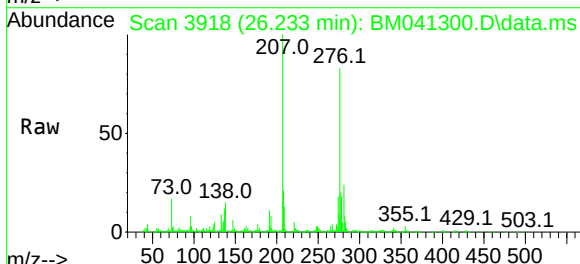
Manual Integrations
APPROVED

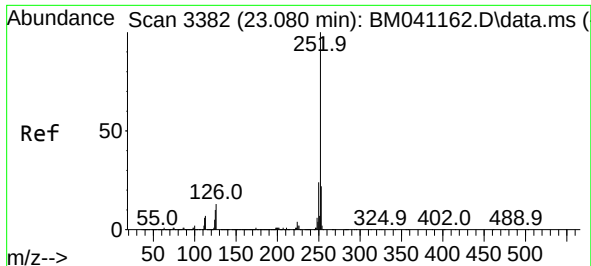
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.959 ng
RT: 26.233 min Scan# 3918
Delta R.T. -0.029 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Tgt Ion:276 Resp: 285354
Ion Ratio Lower Upper
276 100
138 18.3 20.0 30.0#
277 24.9 20.1 30.1





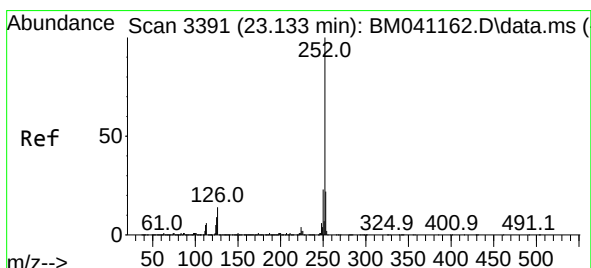
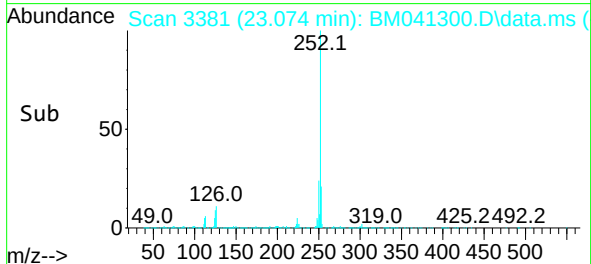
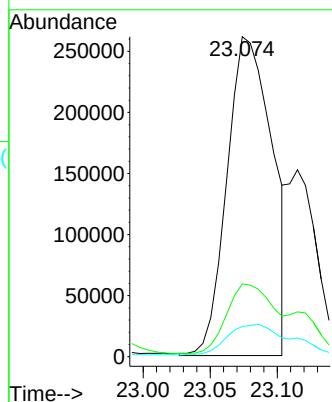
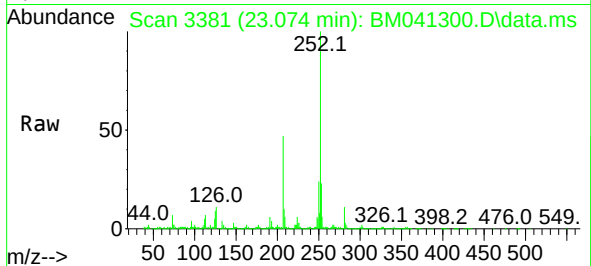
#88
Benzo(b)fluoranthene
Concen: 10.516 ng m
RT: 23.074 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-17-(0-5)DL

Tgt Ion:252 Resp: 61239
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 9.5 8.2 12.4

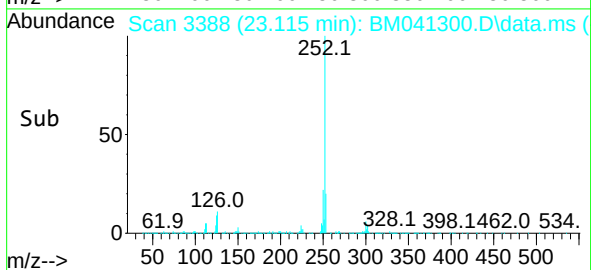
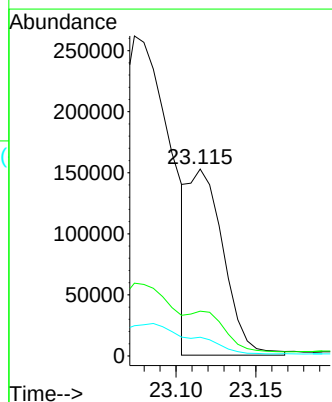
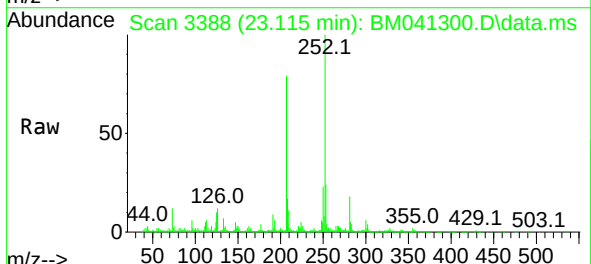
Manual Integrations
APPROVED

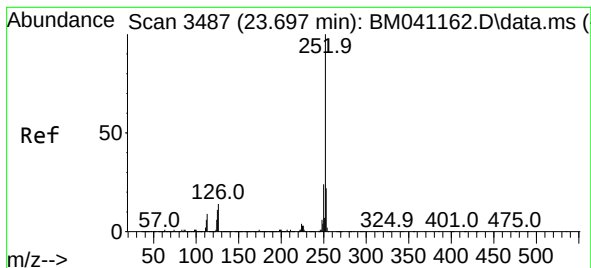
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#89
Benzo(k)fluoranthene
Concen: 3.901 ng m
RT: 23.115 min Scan# 3388
Delta R.T. -0.018 min
Lab File: BM041300.D
Acq: 04 Aug 2023 18:38

Tgt Ion:252 Resp: 232397
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 10.0 7.6 11.4





#90

Benzo(a)pyrene

Concen: 9.738 ng

RT: 23.686 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

Instrument :

BNA_M

ClientSampleId :

BUILDING-B-17-(0-5)DL

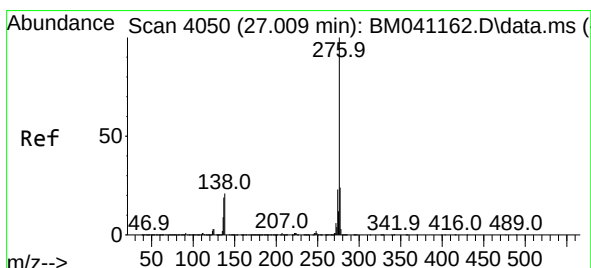
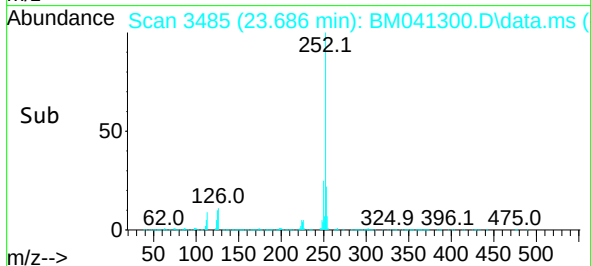
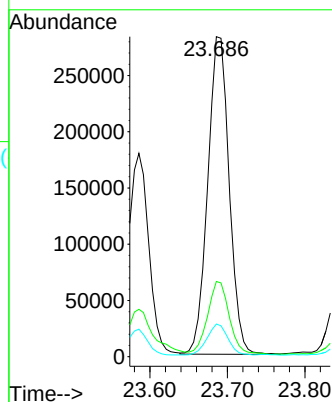
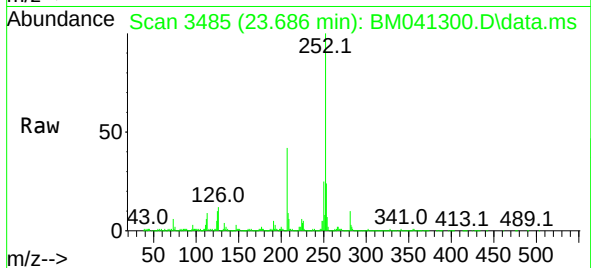
Tgt Ion:252 Resp: 544854
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.3 25.9
 125 10.2 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#92

Benzo(g,h,i)perylene

Concen: 5.042 ng

RT: 26.991 min Scan# 4047

Delta R.T. -0.024 min

Lab File: BM041300.D

Acq: 04 Aug 2023 18:38

Tgt Ion:276 Resp: 296585
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.1 28.7
 138 18.4 17.1 25.7

