

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080723\
 Data File : BM041319.D
 Acq On : 07 Aug 2023 19:21
 Operator : MA/JU
 Sample : 03815-02DL 250X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-A-2-(0-5)DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 02:58:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 17:25:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	161782	20.000	ng	0.00
21) Naphthalene-d8	10.592	136	714692	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	497311	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1160099	20.000	ng	0.00
76) Chrysene-d12	21.421	240	1021002	20.000	ng	0.00
86) Perylene-d12	23.791	264	969647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1221	0.113	ng	0.02
7) Phenol-d6	7.010	99	1476m	0.105	ng	0.04
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	15.968	330	896	0.127	ng	0.01
45) 2-Fluorobiphenyl	13.074	172	4409	0.112	ng	0.00
79) Terphenyl-d14	19.850	244	13875	0.246	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	10.645	128	960802	24.774	ng	99
37) 2-Methylnaphthalene	12.263	142	367666	14.062	ng	99
38) 1-Methylnaphthalene	12.486	142	251764	10.288	ng	97
46) 1,1'-Biphenyl	13.286	154	92306	2.290	ng	97
49) Acenaphthylene	14.174	152	218290	4.493	ng	98
52) Acenaphthene	14.521	154	69153	2.362	ng	98
58) Fluorene	15.509	166	216575	5.748	ng	98
71) Phenanthrene	17.256	178	1260094	19.550	ng	100
72) Anthracene	17.351	178	294253	4.616	ng	100
75) Fluoranthene	19.280	202	467601	6.457	ng	98
78) Pyrene	19.650	202	854786	11.972	ng	100
81) Benzo(a)anthracene	21.403	228	291613	4.213	ng	98
83) Chrysene	21.456	228	263891	3.942	ng	99
88) Benzo(b)fluoranthene	23.074	252	172620m	2.997	ng	
90) Benzo(a)pyrene	23.685	252	197286	3.564	ng	96

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

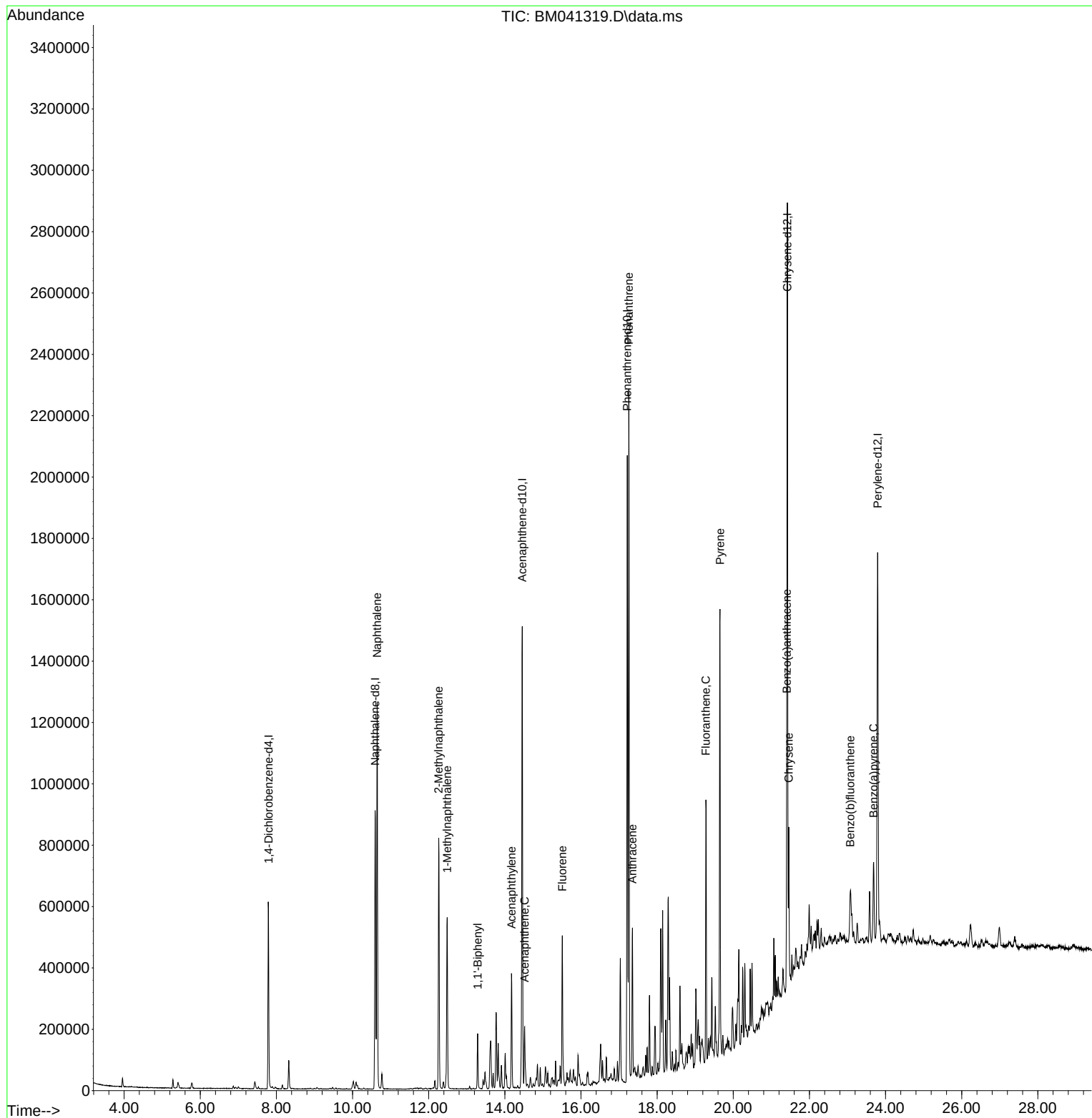
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080723\
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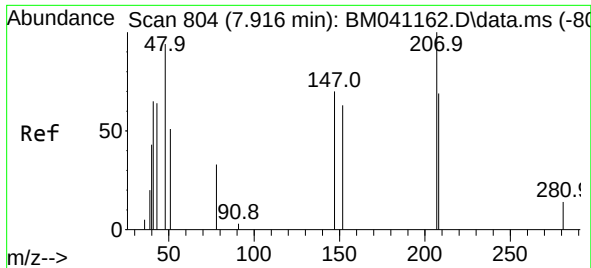
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BUILDING-A-2-(0-5)DL

Quant Time: Aug 08 02:58:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 07 17:25:06 2023
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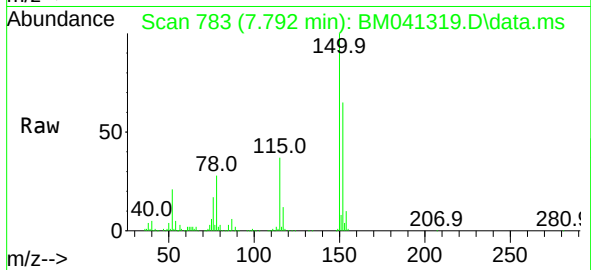
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 71
Delta R.T. 0.005 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

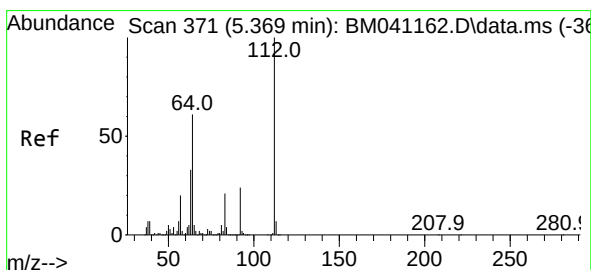
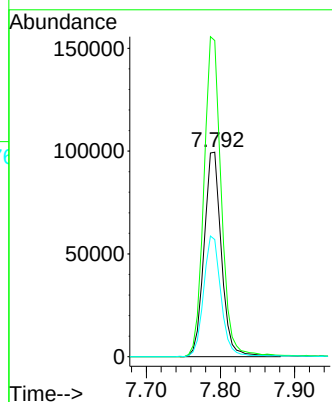
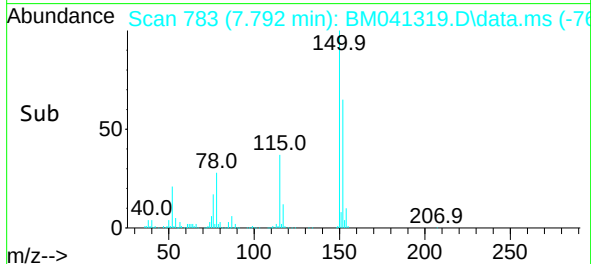
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-2-(0-5)DL



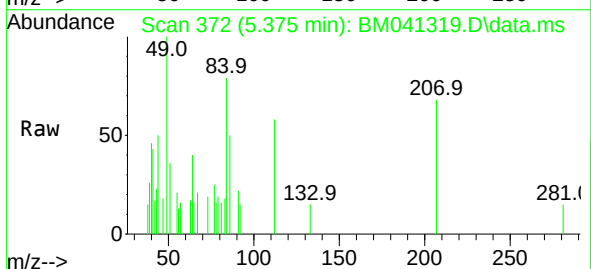
Tgt Ion:152 Resp: 16178
Ion Ratio Lower Upper
152 100
150 154.6 125.5 188.3
115 57.3 48.0 72.0

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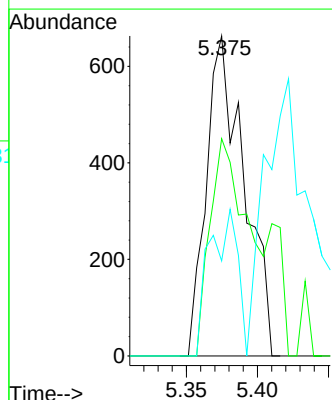
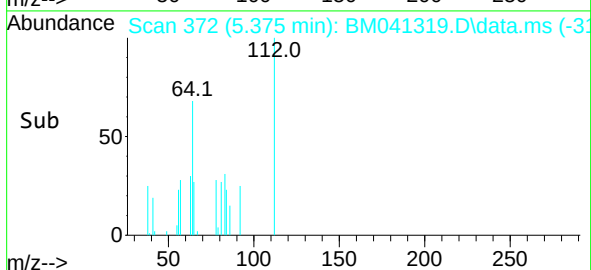
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

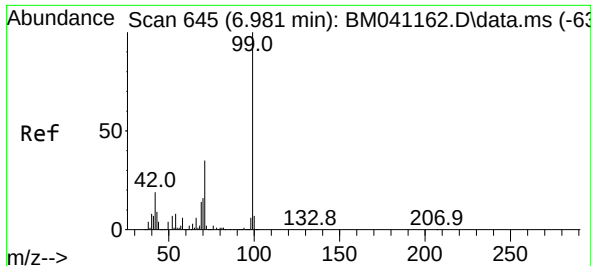


#5
2-Fluorophenol
Concen: 0.113 ng
RT: 5.375 min Scan# 372
Delta R.T. 0.018 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21



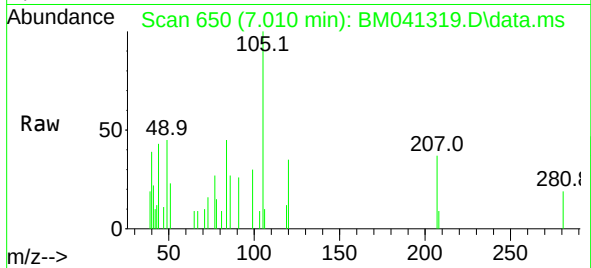
Tgt Ion:112 Resp: 1221
Ion Ratio Lower Upper
112 100
64 67.9 48.5 72.7
63 29.7 26.5 39.7





#7
Phenol-d6
Concen: 0.105 ng m
RT: 7.010 min Scan# 61
Delta R.T. 0.041 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

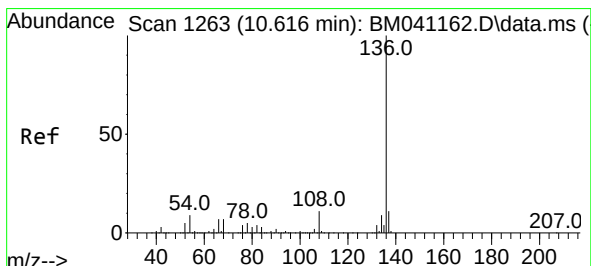
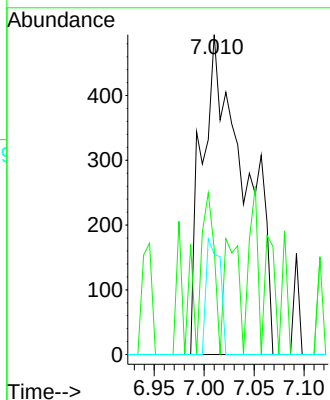
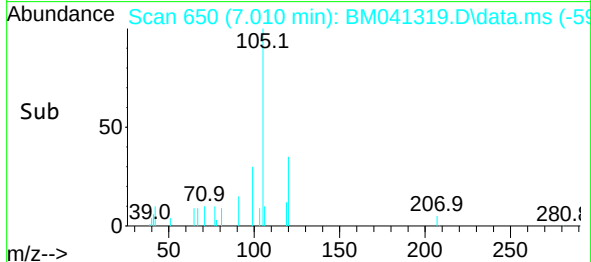
Instrument :
BNA_M
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BUILDING-A-2-(0-5)DL



Tgt Ion: 99 Resp: 1470
Ion Ratio Lower Upper
99 100
42 33.2 15.4 23.0
71 31.4 28.2 42.4

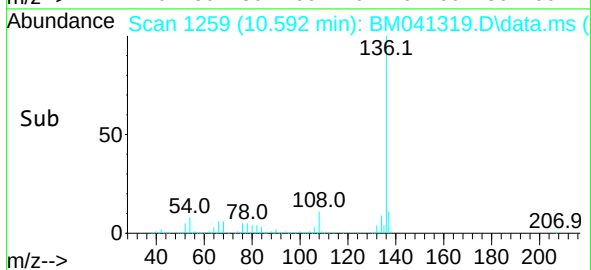
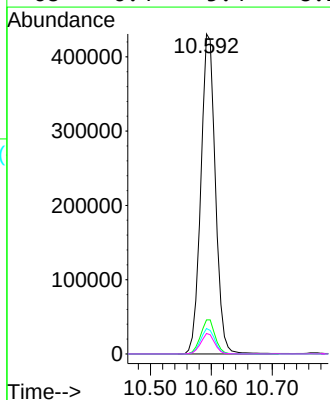
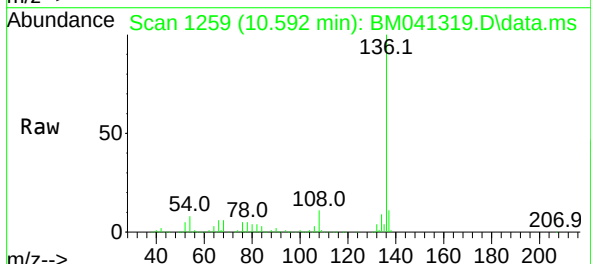
Manual Integrations
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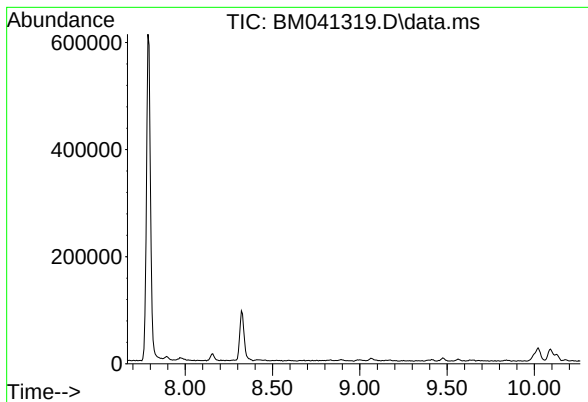
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.592 min Scan# 1259
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

Tgt Ion:136 Resp: 714692
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.0 6.9 10.3
68 6.4 5.4 8.2





#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.96 min
 Lab File: BM041319.D
 Acq: 07 Aug 2023 19:21

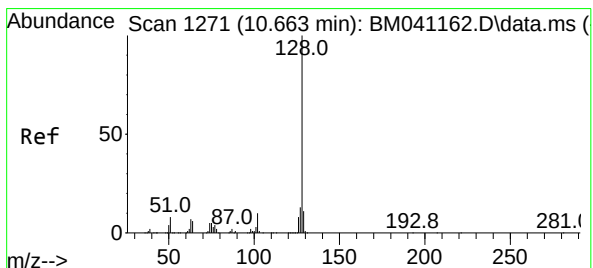
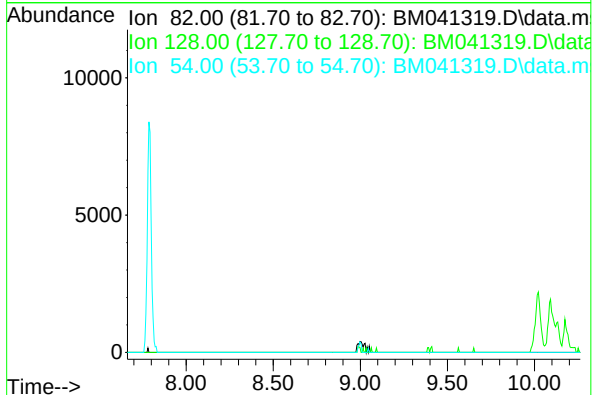
Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-A-2-(0-5)DL

Tgt Ion: 82

Sig	Exp	Ratio
82	100	
128	39.7	
54	50.1	

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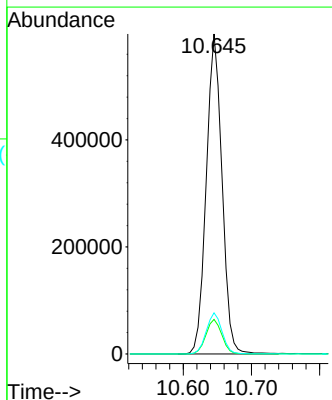
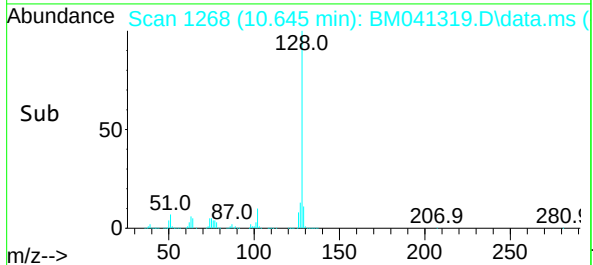
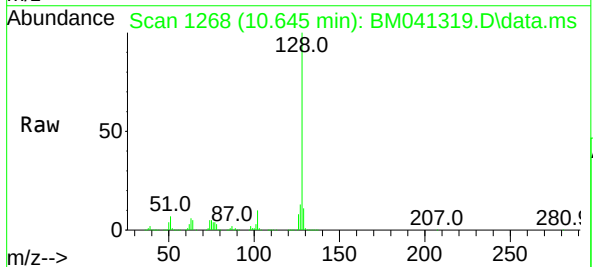
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023

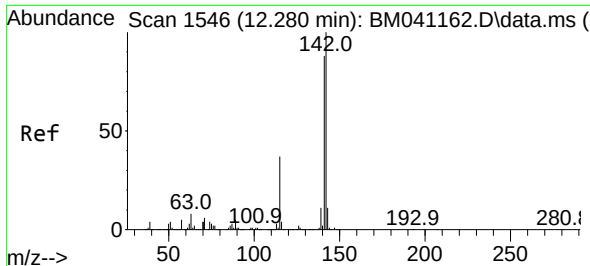


#31
 Naphthalene
 Concen: 24.774 ng
 RT: 10.645 min Scan# 1268
 Delta R.T. -0.000 min
 Lab File: BM041319.D
 Acq: 07 Aug 2023 19:21

Tgt Ion:128 Resp: 960802

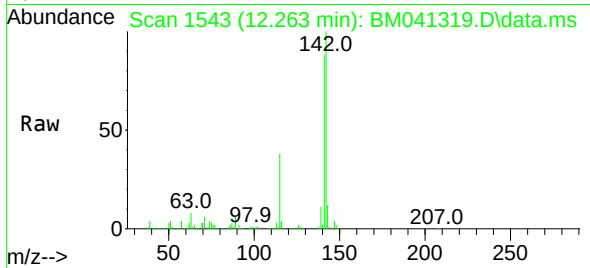
Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	12.8	10.5	15.7





#37
2-Methylnaphthalene
Concen: 14.062 ng
RT: 12.263 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

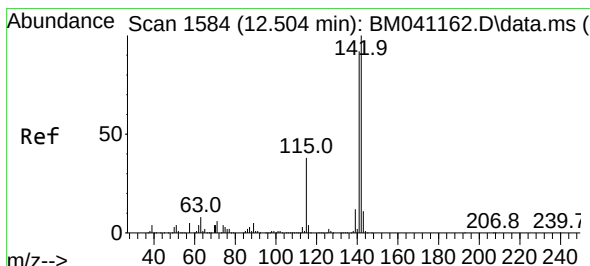
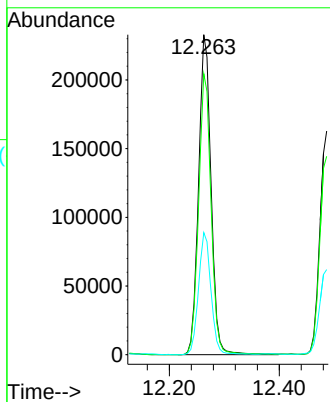
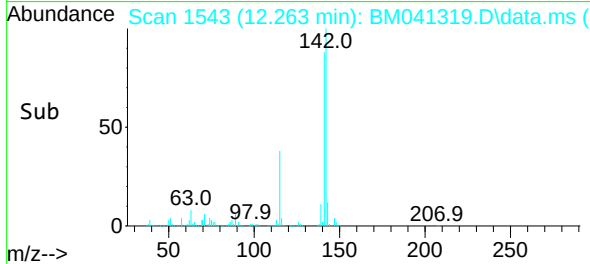
Instrument :
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ClientSampleId :
BUILDING-A-2-(0-5)DL



Tgt Ion:142 Resp: 367660
Ion Ratio Lower Upper
142 100
141 87.8 70.7 106.1
115 38.1 29.3 43.9

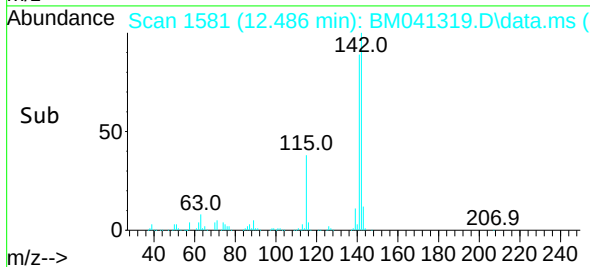
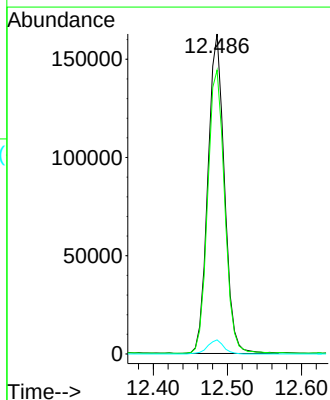
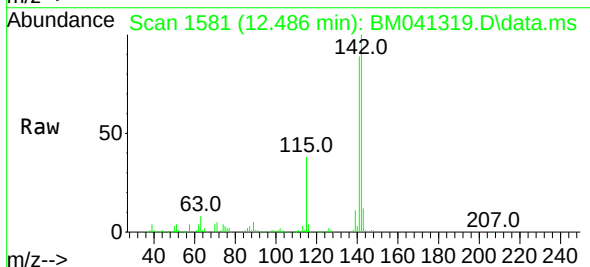
Manual Integrations
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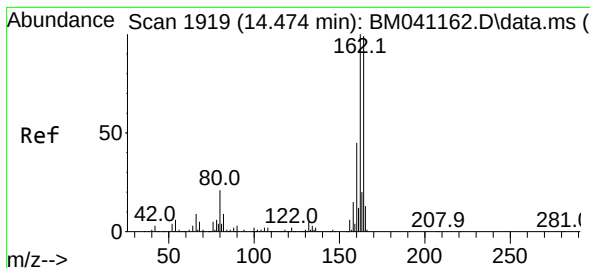
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#38
1-Methylnaphthalene
Concen: 10.288 ng
RT: 12.486 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

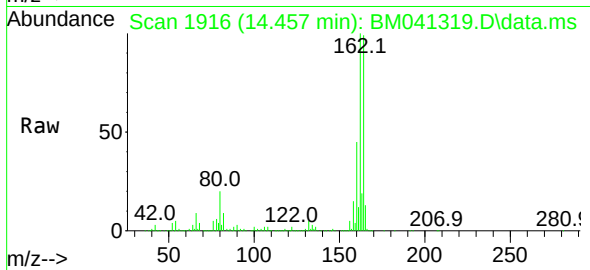
Tgt Ion:142 Resp: 251764
Ion Ratio Lower Upper
142 100
141 88.7 73.4 110.2
116 4.4 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1916
Delta R.T. 0.006 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

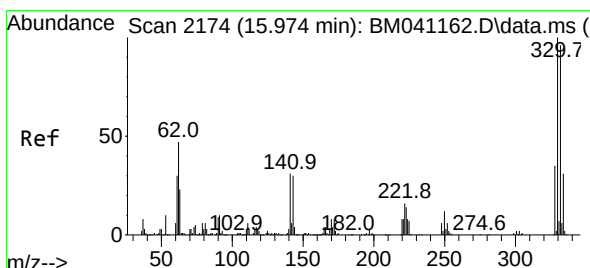
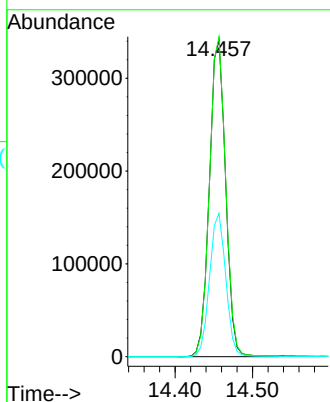
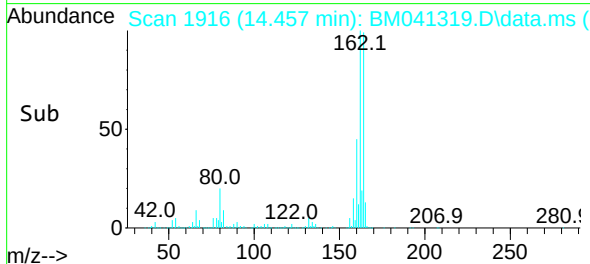
Instrument :
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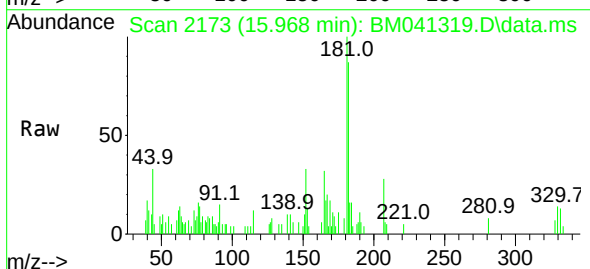
Tgt Ion:164 Resp: 49731
Ion Ratio Lower Upper
164 100
162 100.9 80.4 120.6
160 45.2 36.2 54.2

Manual Integrations
APPROVED

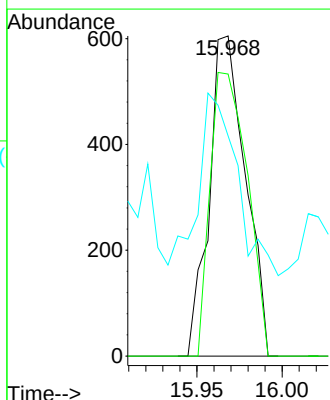
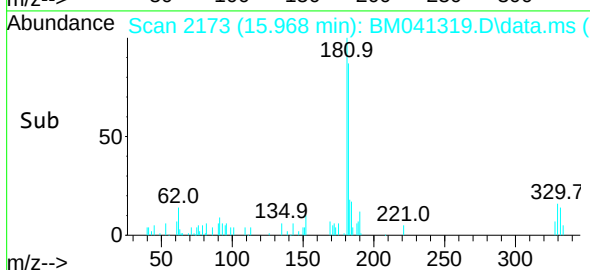
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

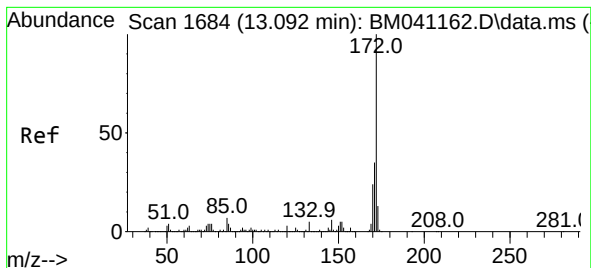


#42
2,4,6-Tribromophenol
Concen: 0.127 ng
RT: 15.968 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21



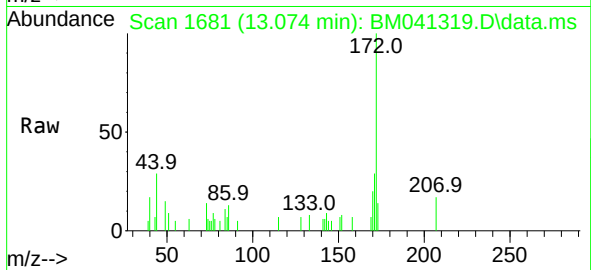
Tgt Ion:330 Resp: 896
Ion Ratio Lower Upper
330 100
332 90.8 77.7 116.5
141 104.8 28.3 42.5#





#45
2-Fluorobiphenyl
Concen: 0.112 ng
RT: 13.074 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

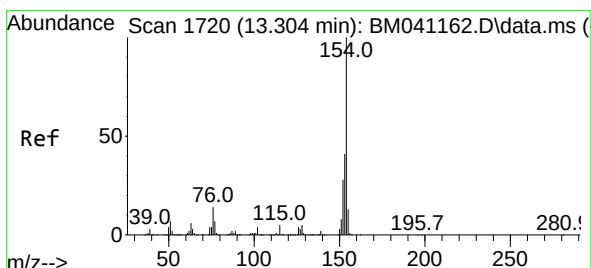
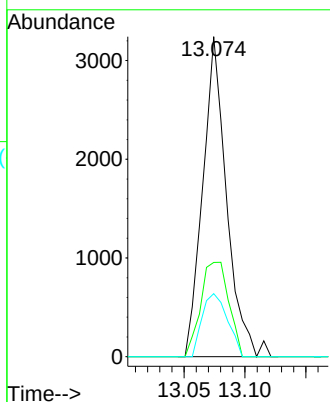
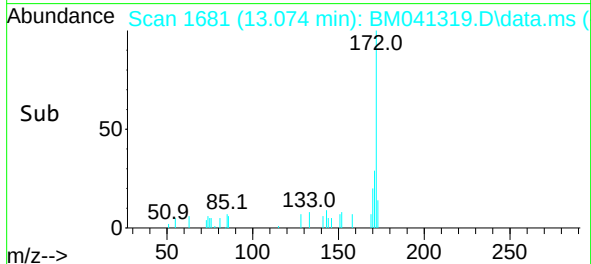
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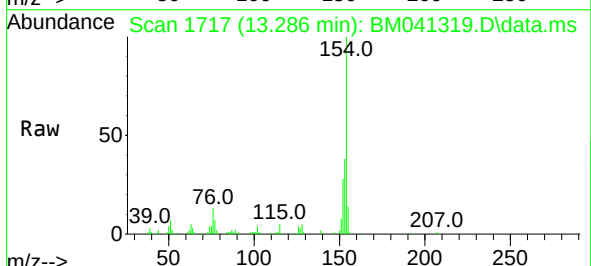
Tgt Ion:172 Resp: 4409
Ion Ratio Lower Upper
172 100
171 29.5 28.1 42.1
170 19.7 18.9 28.3

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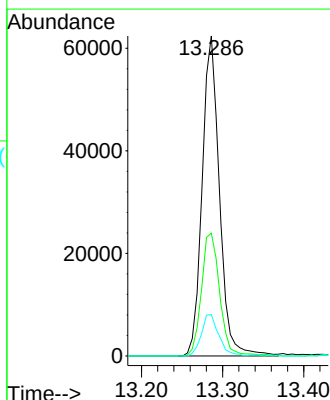
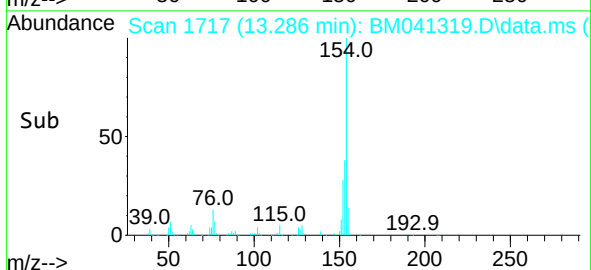
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

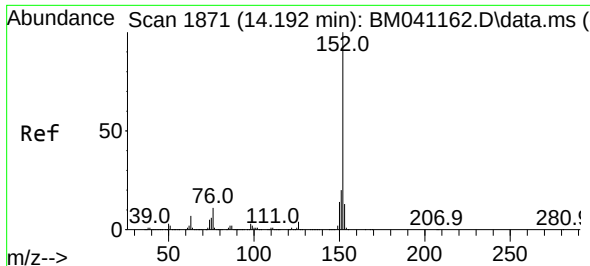


#46
1,1'-Biphenyl
Concen: 2.290 ng
RT: 13.286 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21



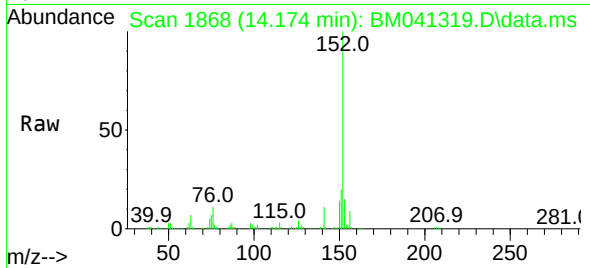
Tgt Ion:154 Resp: 92306
Ion Ratio Lower Upper
154 100
153 38.4 20.5 60.5
76 12.9 0.0 34.1





#49
Acenaphthylene
Concen: 4.493 ng
RT: 14.174 min Scan# 1868
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

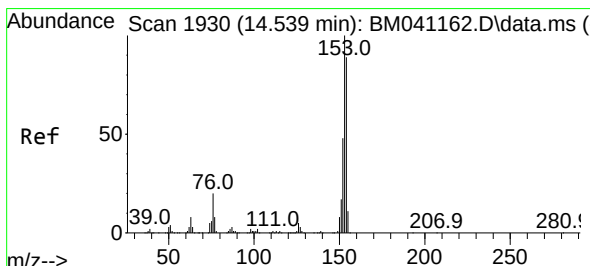
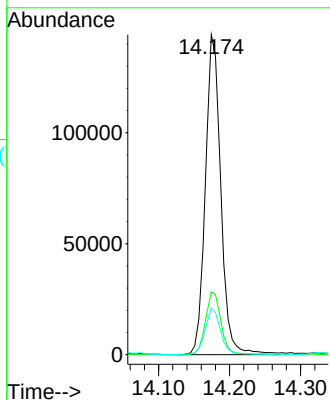
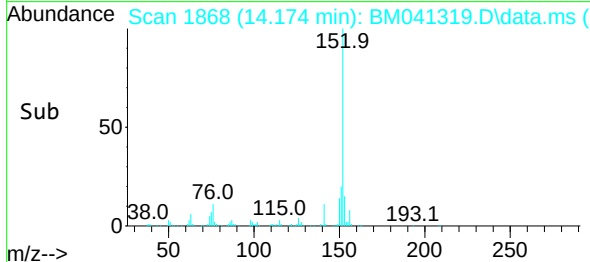
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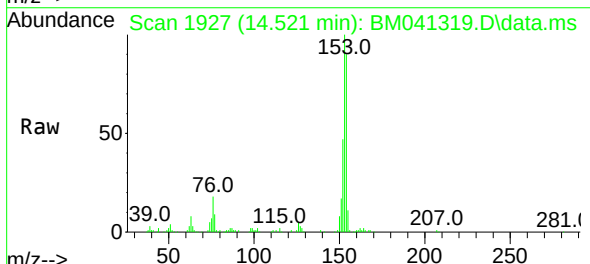
Tgt Ion:152 Resp: 218290
Ion Ratio Lower Upper
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153 14.5 10.5 15.7

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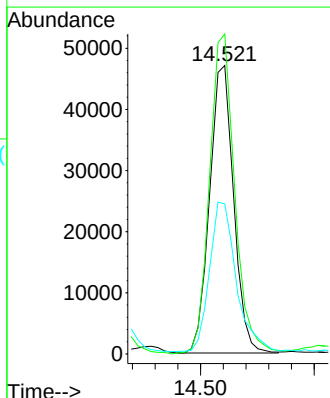
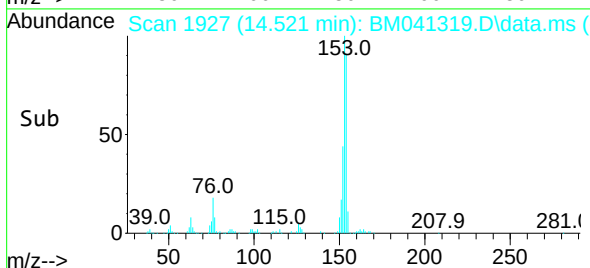
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

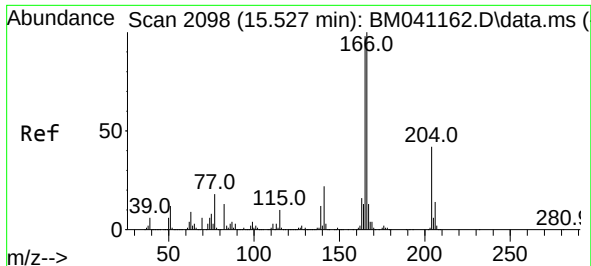


#52
Acenaphthene
Concen: 2.362 ng
RT: 14.521 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21



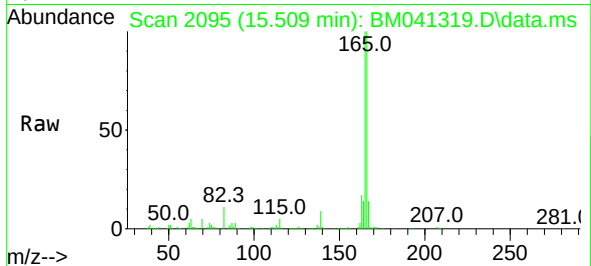
Tgt Ion:154 Resp: 69153
Ion Ratio Lower Upper
154 100
153 110.9 90.2 135.4
152 52.0 43.4 65.0





#58
Fluorene
Concen: 5.748 ng
RT: 15.509 min Scan# 2098
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

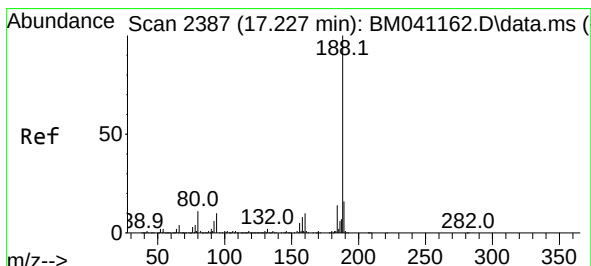
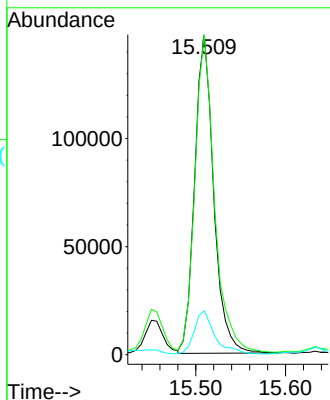
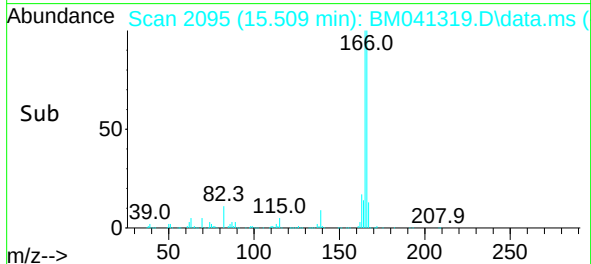
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-2-(0-5)DL



Tgt Ion:166 Resp: 216579
Ion Ratio Lower Upper
166 100
165 100.1 78.2 117.4
167 13.7 10.6 16.0

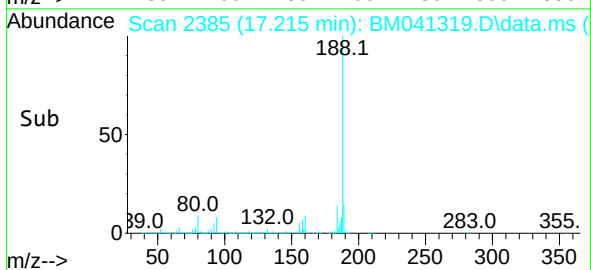
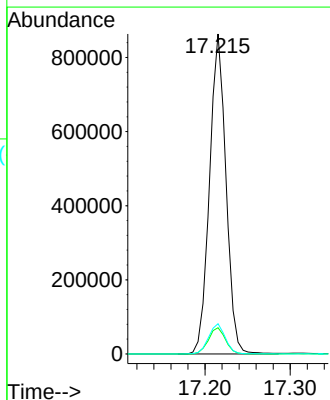
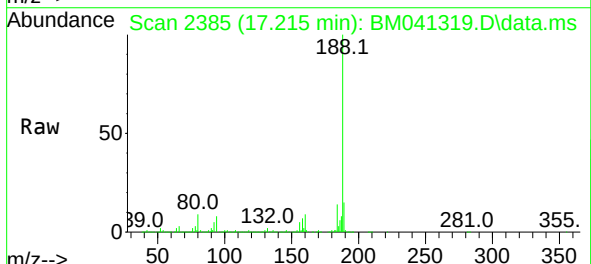
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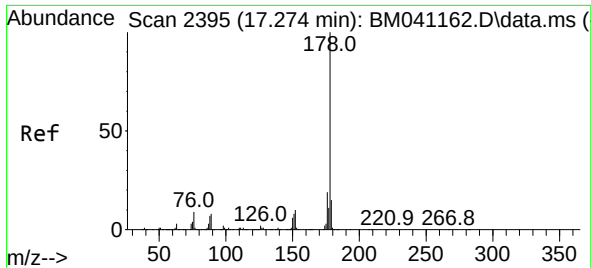
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2385
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

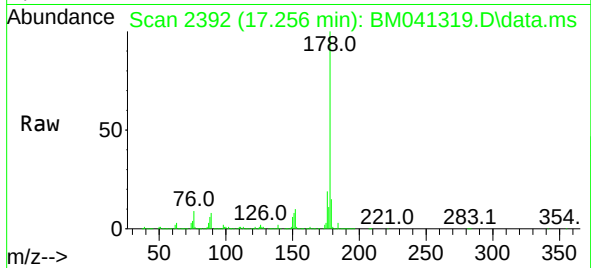
Tgt Ion:188 Resp: 1160099
Ion Ratio Lower Upper
188 100
94 8.2 8.2 12.2
80 9.4 8.6 13.0





#71
Phenanthrene
Concen: 19.550 ng
RT: 17.256 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

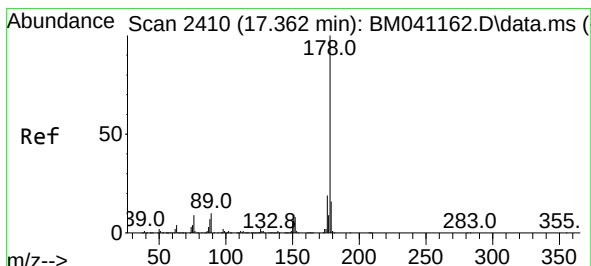
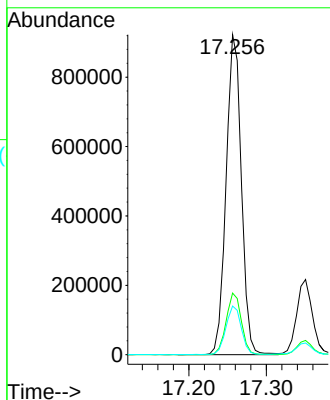
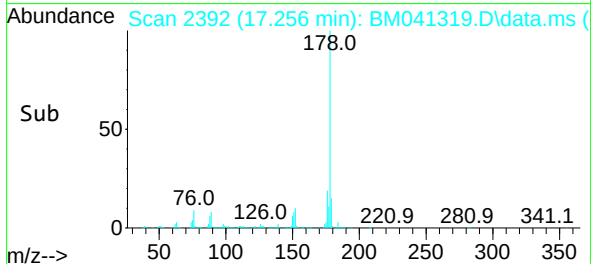
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-2-(0-5)DL



Tgt Ion:178 Resp: 1260094
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.2 12.1 18.1

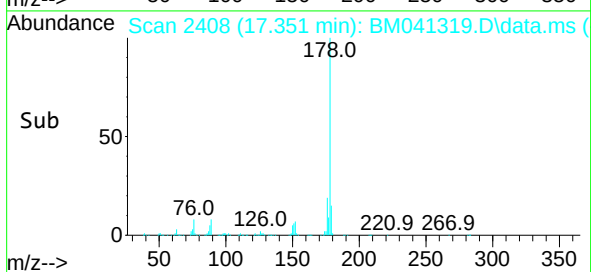
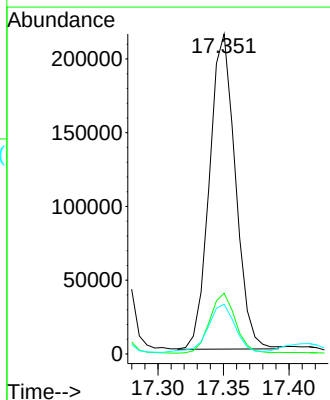
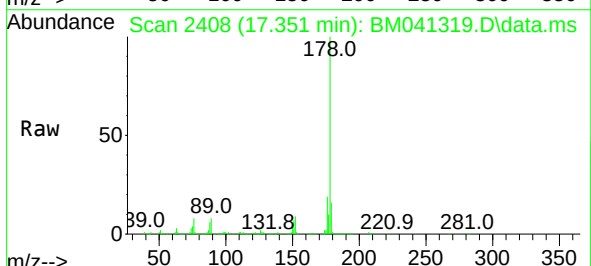
Manual Integrations
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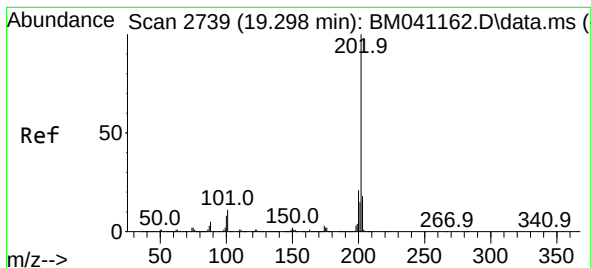
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#72
Anthracene
Concen: 4.616 ng
RT: 17.351 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

Tgt Ion:178 Resp: 294253
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.6 12.4 18.6





#75

Fluoranthene

Concen: 6.457 ng

RT: 19.280 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041319.D

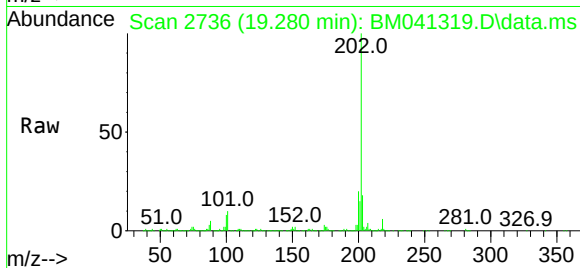
Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-2-(0-5)DL



Tgt Ion:202 Resp: 46760

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.8

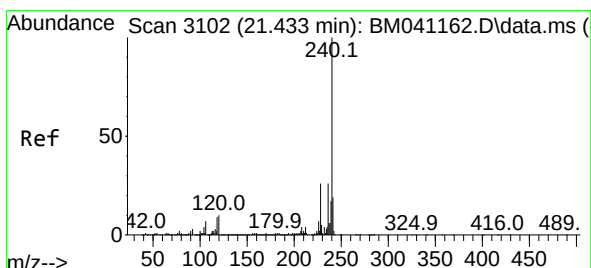
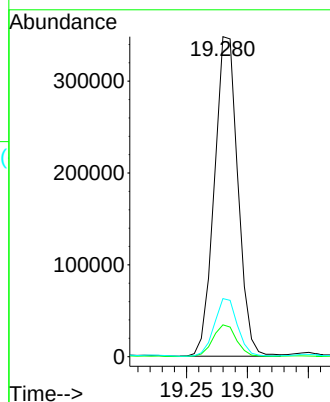
203 18.2 0.0 37.6

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.421 min Scan# 3100

Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

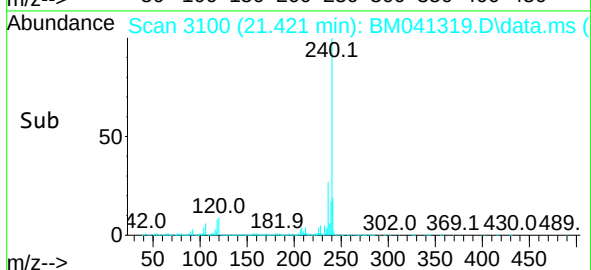
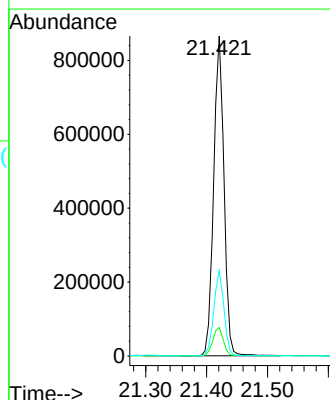
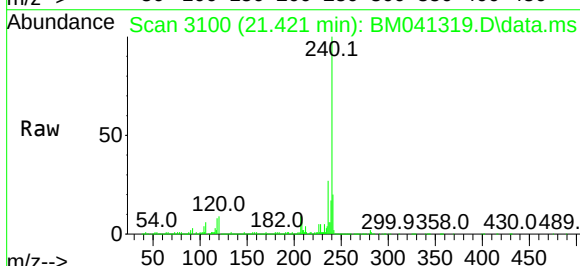
Tgt Ion:240 Resp: 1021002

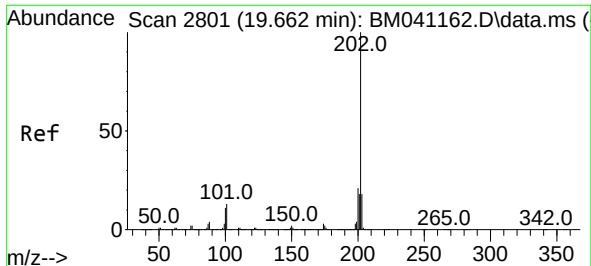
Ion Ratio Lower Upper

240 100

120 8.9 8.3 12.5

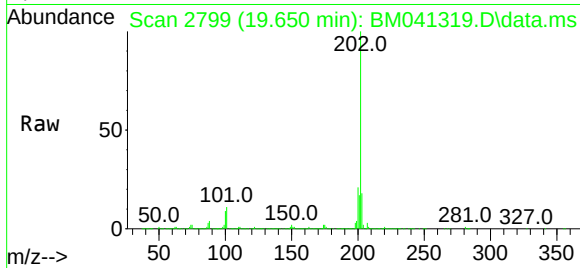
236 26.6 20.6 30.8





#78
Pyrene
Concen: 11.972 ng
RT: 19.650 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

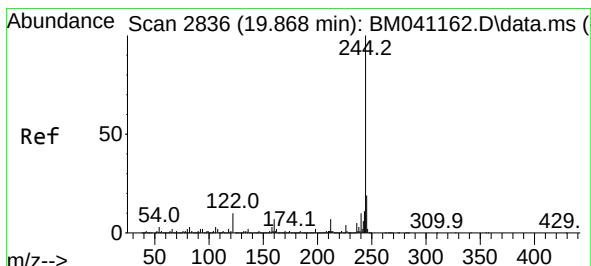
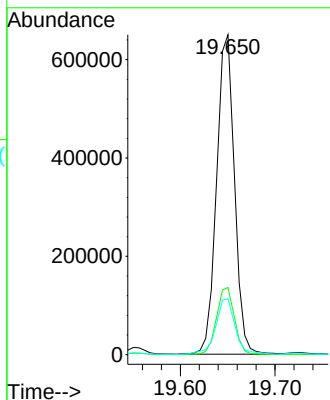
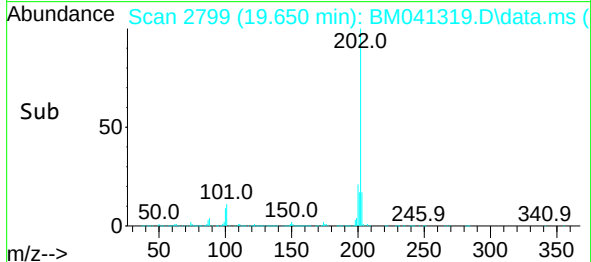
Instrument :
BNA_M
ClientSampleId :
BUILDING-A-2-(0-5)DL



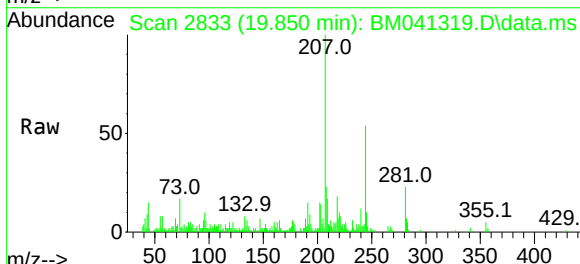
Tgt Ion:202 Resp: 854780
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.5 14.1 21.1

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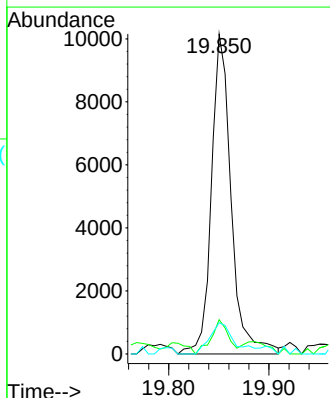
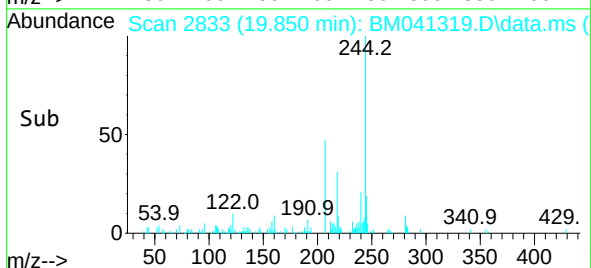
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

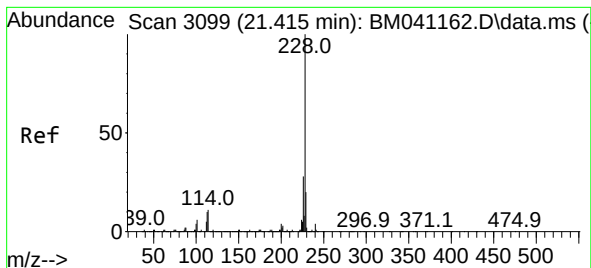


#79
Terphenyl-d14
Concen: 0.246 ng
RT: 19.850 min Scan# 2833
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21



Tgt Ion:244 Resp: 13875
Ion Ratio Lower Upper
244 100
212 10.7 5.4 8.2#
122 9.8 7.8 11.6





#81

Benzo(a)anthracene

Concen: 4.213 ng

RT: 21.403 min Scan# 3099

Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-2-(0-5)DL

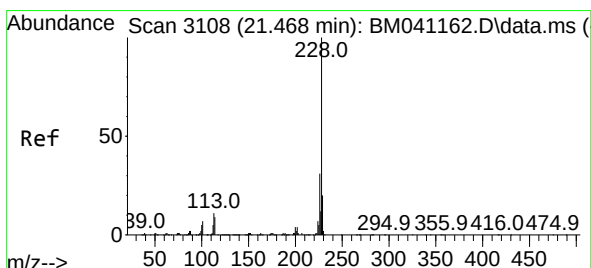
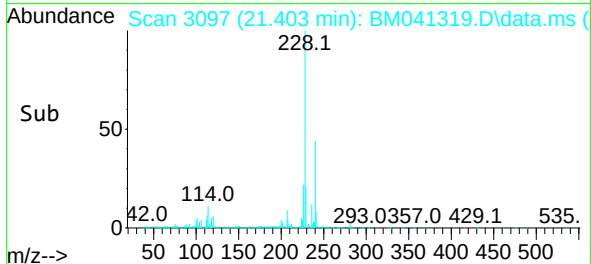
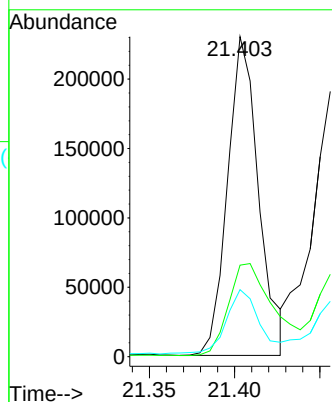
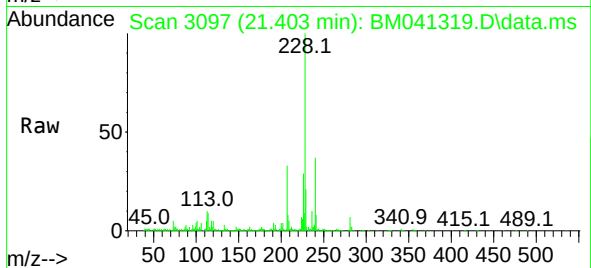
Tgt Ion:228 Resp: 291611
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.4 33.6
 229 20.9 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#83

Chrysene

Concen: 3.942 ng

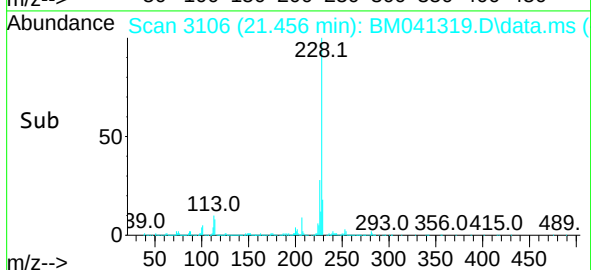
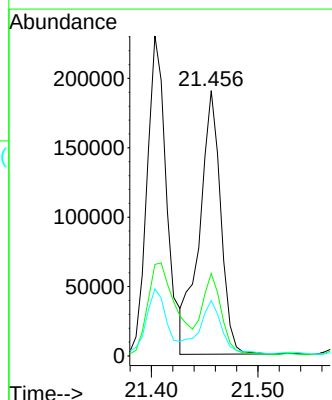
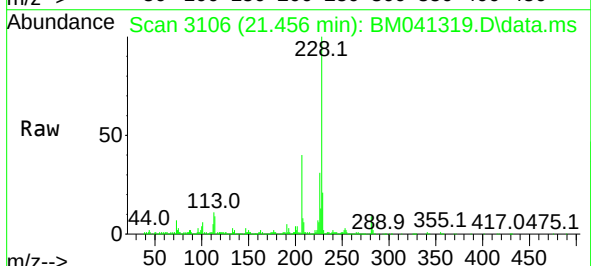
RT: 21.456 min Scan# 3106

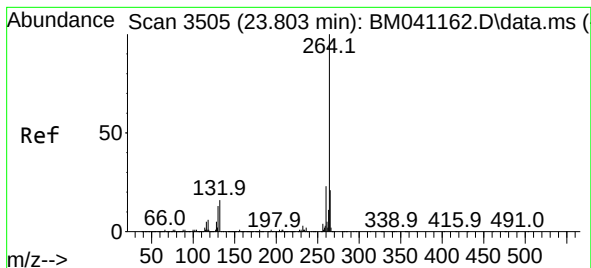
Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Tgt Ion:228 Resp: 263891
 Ion Ratio Lower Upper
 228 100
 226 31.1 24.5 36.7
 229 20.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.791 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :

BUILDING-A-2-(0-5)DL

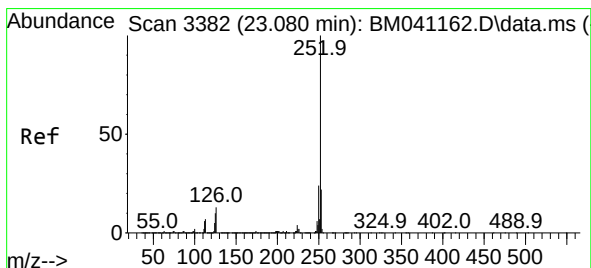
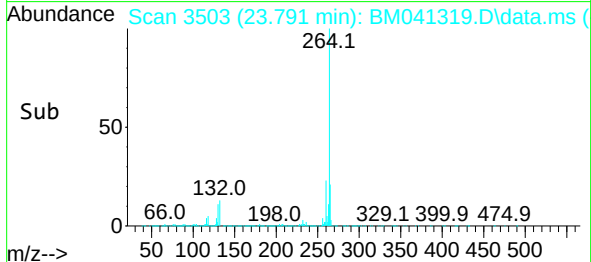
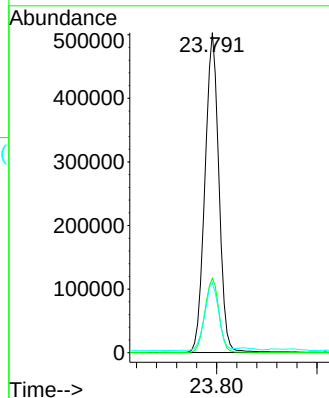
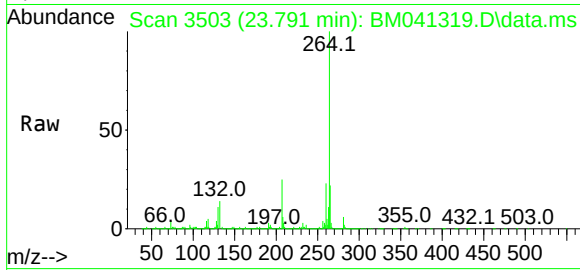
Tgt Ion:264	Resp: 96964
Ion Ratio	Lower Upper
264 100	
260 23.2	18.5 27.7
265 21.8	17.4 26.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#88

Benzo(b)fluoranthene

Concen: 2.997 ng m

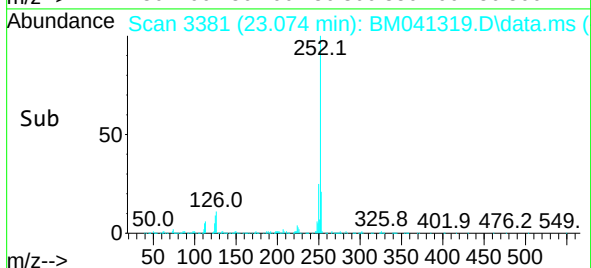
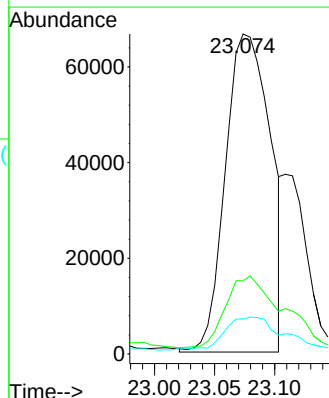
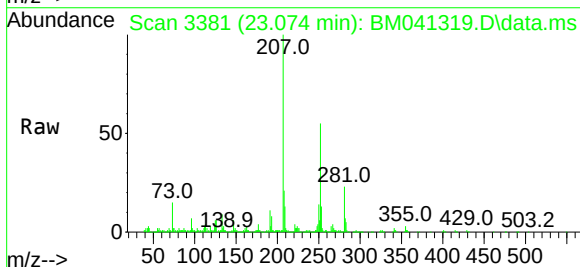
RT: 23.074 min Scan# 3381

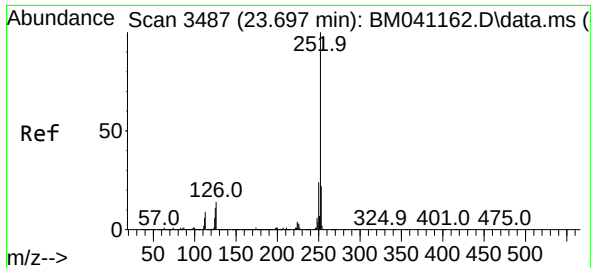
Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

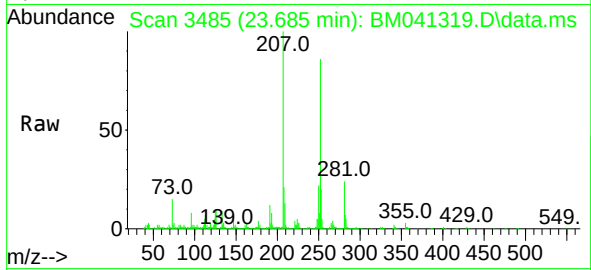
Tgt Ion:252	Resp: 172620
Ion Ratio	Lower Upper
252 100	
253 22.8	17.7 26.5
125 10.9	8.2 12.4





#90
 Benzo(a)pyrene
 Concen: 3.564 ng
 RT: 23.685 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: BM041319.D
 Acq: 07 Aug 2023 19:21

Instrument :
 BNA_M
 ClientSampleId :
 BUILDING-A-2-(0-5)DL



Tgt Ion:252 Resp: 197280
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.3 25.9
 125 10.1 9.0 13.4

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

