

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
 Data File : BM041374.D
 Acq On : 10 Aug 2023 22:08
 Operator : MA/JU
 Sample : 03956-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-PP22

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023

Quant Time: Aug 11 03:36:56 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 09 12:20:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	124760	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	449072	20.000	ng	-0.01
39) Acenaphthene-d10	14.439	164	262175	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	596586	20.000	ng	-0.01
76) Chrysene-d12	21.409	240	678866	20.000	ng	0.00
86) Perylene-d12	23.768	264	829820	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	302567	36.247	ng	-0.01
7) Phenol-d6	6.957	99	334469	30.911	ng	-0.01
23) Nitrobenzene-d5	8.951	82	220131	22.796	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	149170	40.226	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	469576	22.626	ng	0.00
79) Terphenyl-d14	19.839	244	870329	23.180	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.163	152	144626	5.646	ng	99
71) Phenanthrene	17.245	178	177592	5.358	ng	100
72) Anthracene	17.339	178	84156	2.567	ng	98
75) Fluoranthene	19.268	202	1090222	29.276	ng	99
78) Pyrene	19.633	202	1601250	33.729	ng	99
81) Benzo(a)anthracene	21.392	228	1020956	22.184	ng	98
83) Chrysene	21.445	228	1027363	23.080	ng	99
87) Indeno(1,2,3-cd)pyrene	26.203	276	688059	11.278	ng	# 93
88) Benzo(b)fluoranthene	23.056	252	1241485	25.184	ng	98
89) Benzo(k)fluoranthene	23.097	252	378181m	7.500	ng	
90) Benzo(a)pyrene	23.668	252	1040551m	21.968	ng	
91) Dibenzo(a,h)anthracene	26.209	278	187201	3.679	ng	# 93
92) Benzo(g,h,i)perylene	26.956	276	760868	15.281	ng	95

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

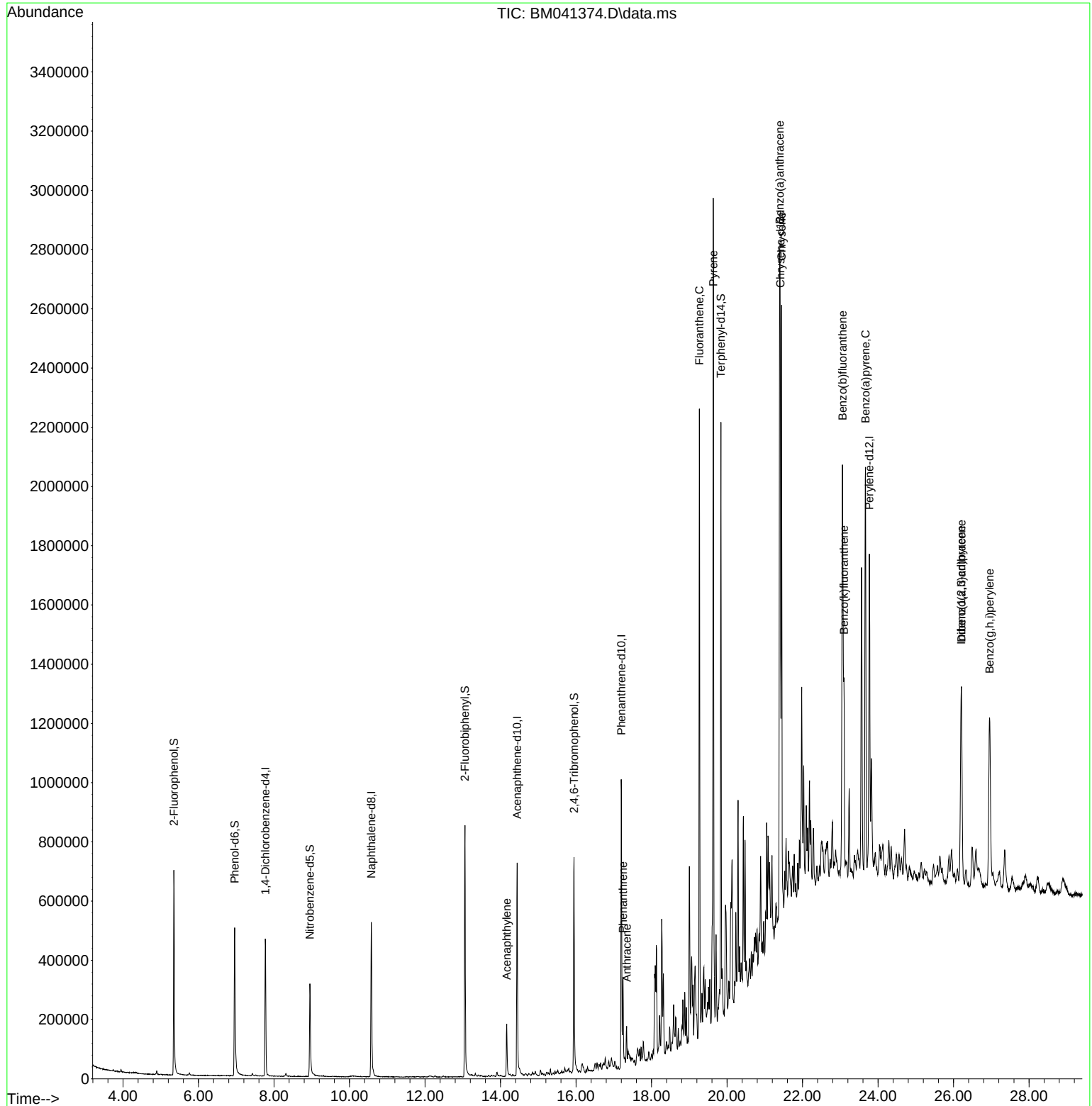
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041374.D
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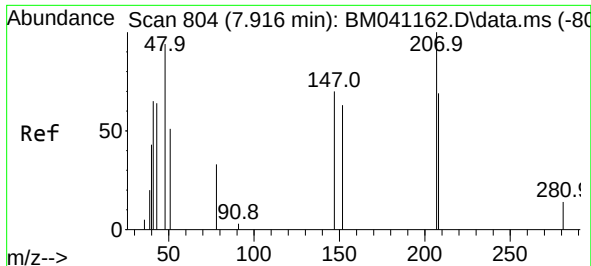
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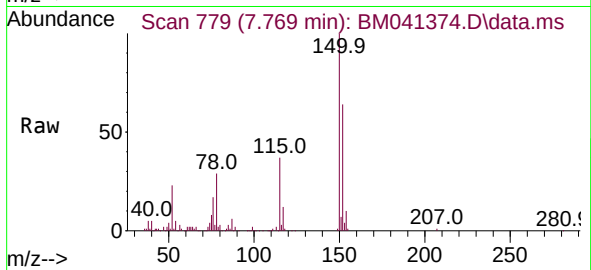
Quant Time: Aug 11 03:36:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 12:20:12 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

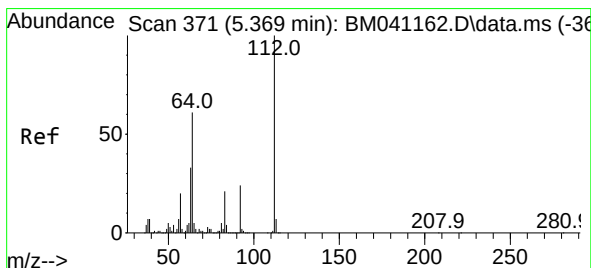
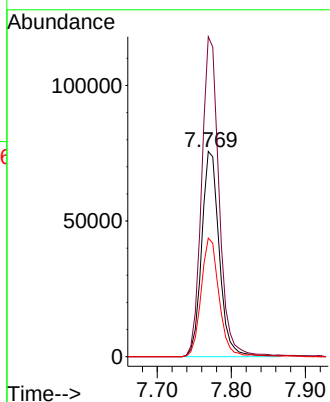
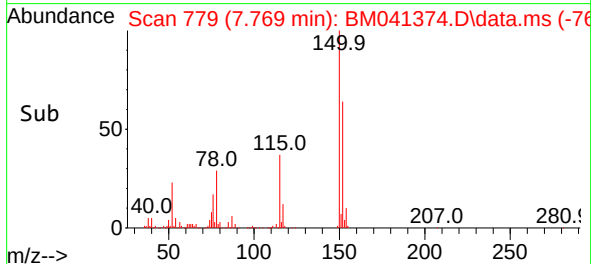
Instrument :
BNA_M
ClientSampleId :
B-PP22



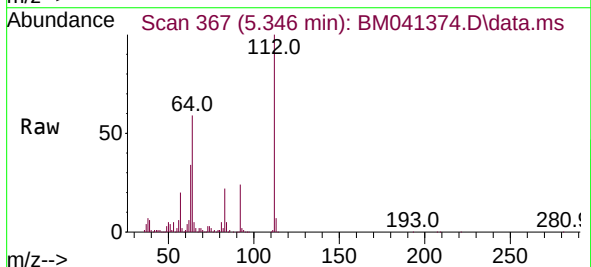
Tgt Ion:152 Resp: 124760
Ion Ratio Lower Upper
152 100
150 156.0 125.5 188.3
115 57.8 48.0 72.0

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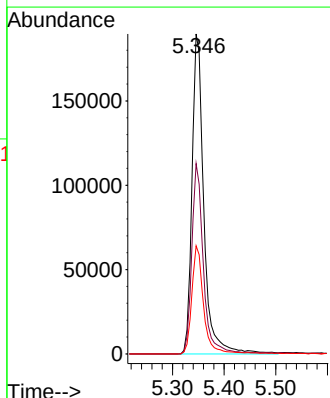
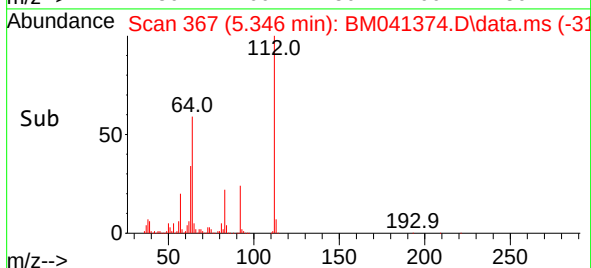
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

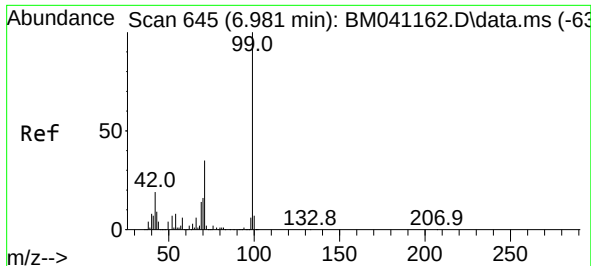


#5
2-Fluorophenol
Concen: 36.247 ng
RT: 5.346 min Scan# 367
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08



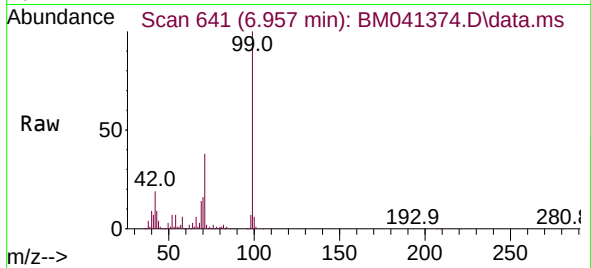
Tgt Ion:112 Resp: 302567
Ion Ratio Lower Upper
112 100
64 59.5 48.5 72.7
63 33.8 26.5 39.7





#7
Phenol-d6
Concen: 30.911 ng
RT: 6.957 min Scan# 645
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

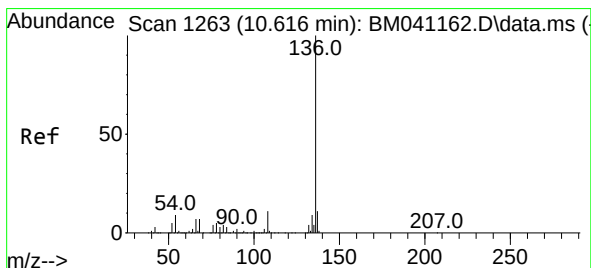
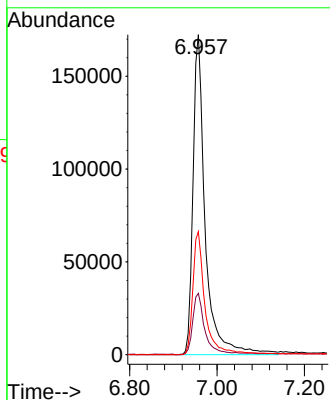
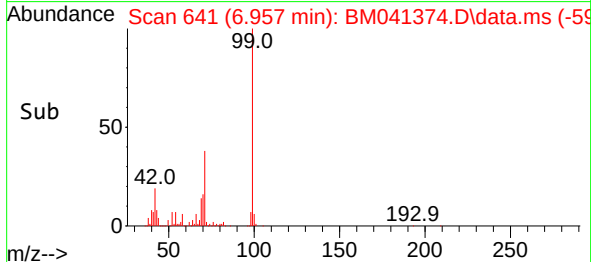
Instrument :
BNA_M
ClientSampleId :
B-PP22



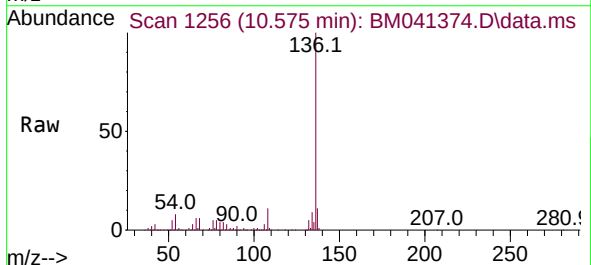
Tgt Ion: 99 Resp: 334469
Ion Ratio Lower Upper
99 100
42 19.1 15.4 23.0
71 38.4 28.2 42.4

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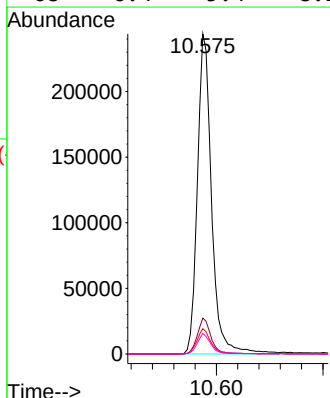
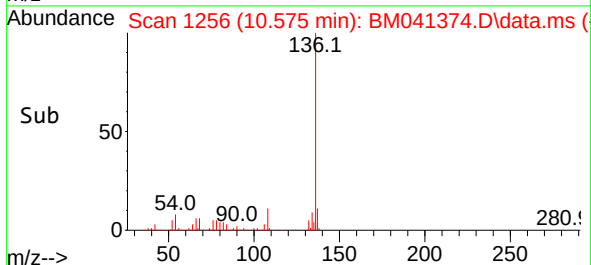
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

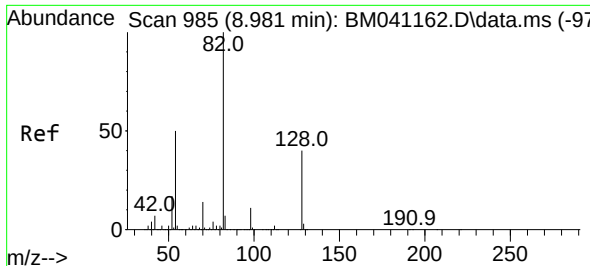


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1256
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08



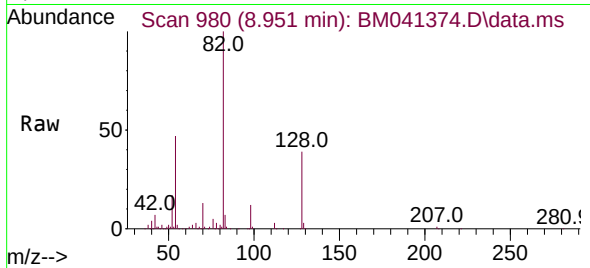
Tgt Ion:136 Resp: 449072
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.9 6.9 10.3
68 6.4 5.4 8.2





#23
Nitrobenzene-d5
Concen: 22.796 ng
RT: 8.951 min Scan# 985
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

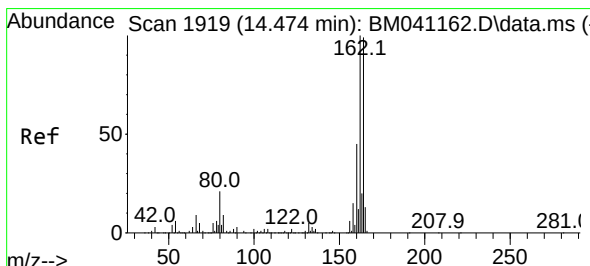
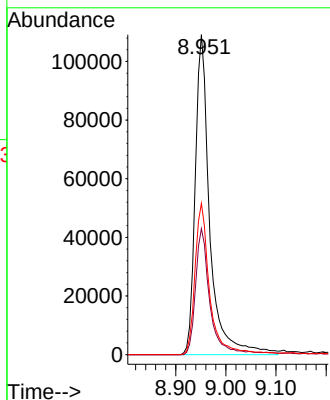
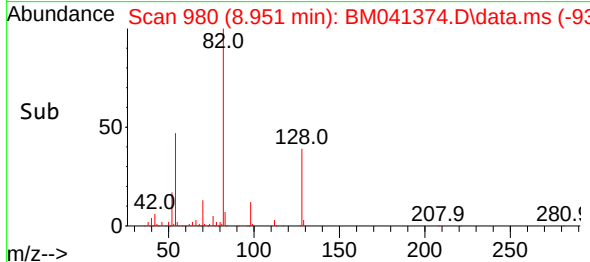
Instrument :
BNA_M
ClientSampleId :
B-PP22



Tgt Ion: 82 Resp: 220131
Ion Ratio Lower Upper
82 100
128 39.4 31.8 47.6
54 47.3 40.1 60.1

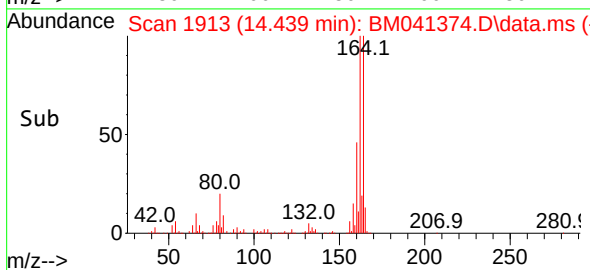
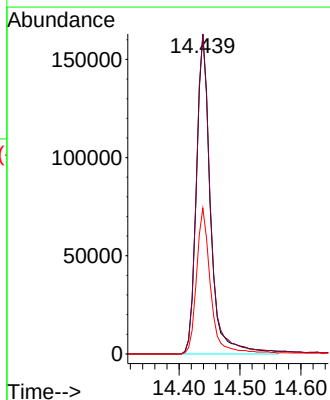
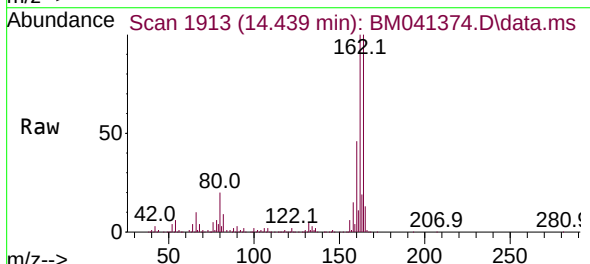
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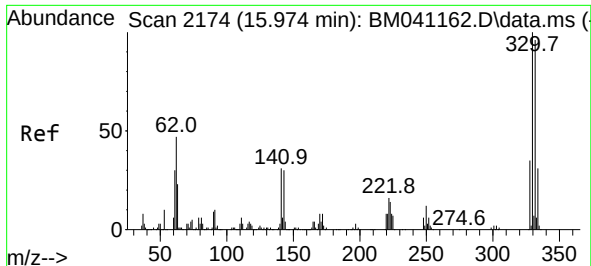
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Tgt Ion:164 Resp: 262175
Ion Ratio Lower Upper
164 100
162 99.9 80.4 120.6
160 45.5 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 40.226 ng

RT: 15.945 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Instrument :

BNA_M

ClientSampleId :

B-PP22

Tgt Ion:330 Resp: 149170

Ion Ratio Lower Upper

330 100

332 95.0 77.7 116.5

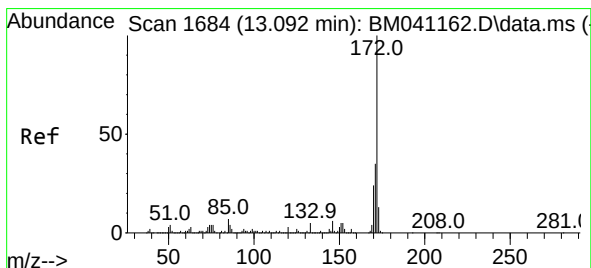
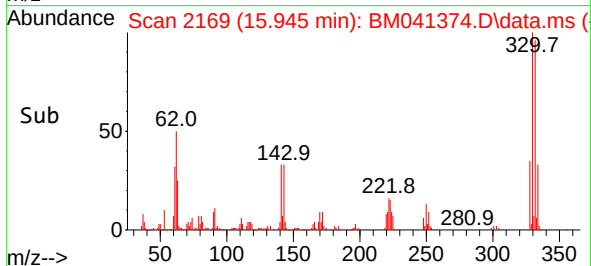
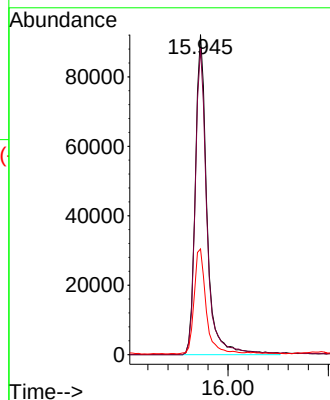
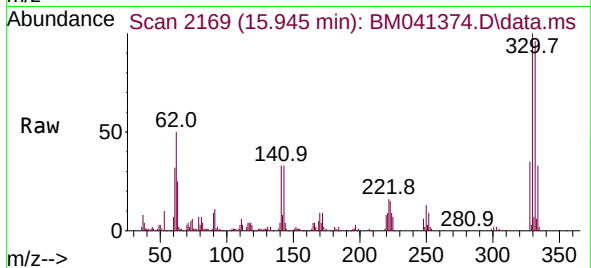
141 33.4 28.3 42.5

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#45

2-Fluorobiphenyl

Concen: 22.626 ng

RT: 13.057 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

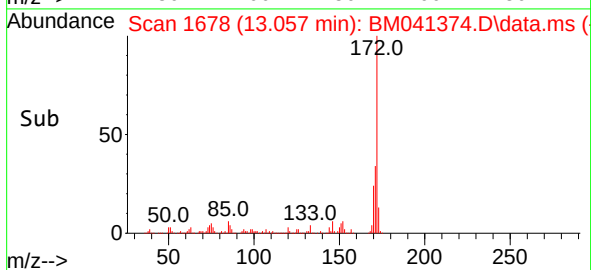
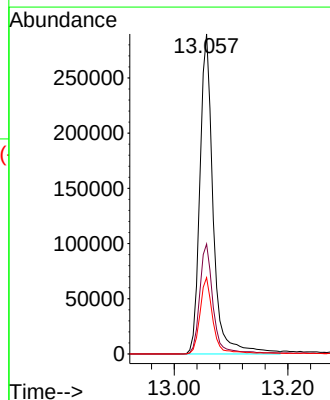
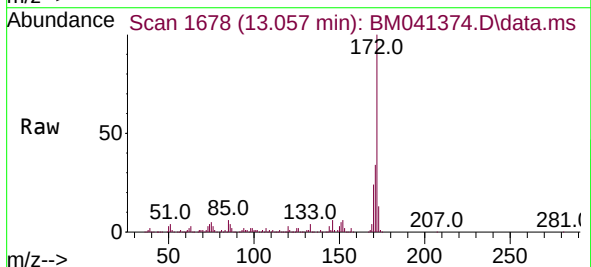
Tgt Ion:172 Resp: 469576

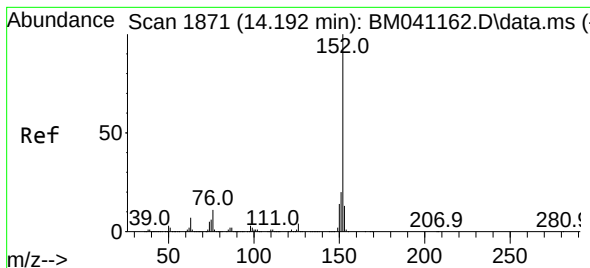
Ion Ratio Lower Upper

172 100

171 34.3 28.1 42.1

170 23.8 18.9 28.3





#49

Acenaphthylene

Concen: 5.646 ng

RT: 14.163 min Scan# 1866

Delta R.T. -0.006 min

Lab File: BM041374.D

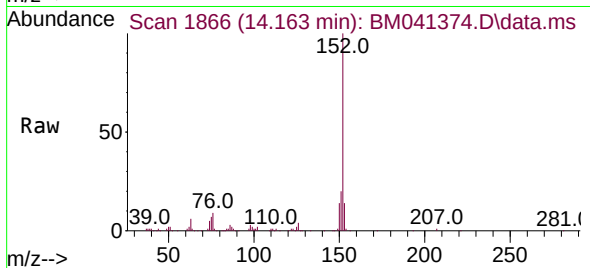
Acq: 10 Aug 2023 22:08

Instrument :

BNA_M

ClientSampleId :

B-PP22



Tgt Ion:152 Resp: 144626

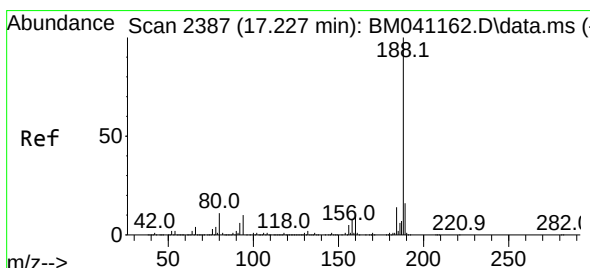
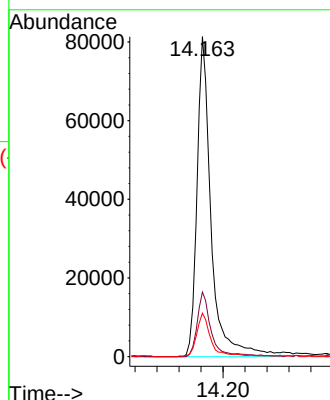
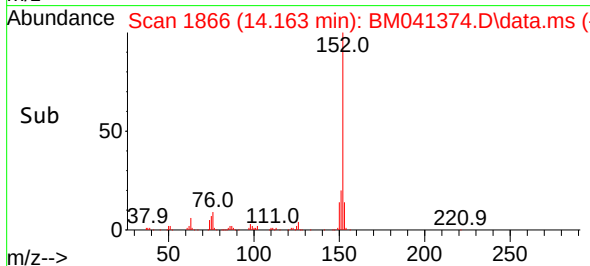
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	13.6	10.5	15.7

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.198 min Scan# 2382

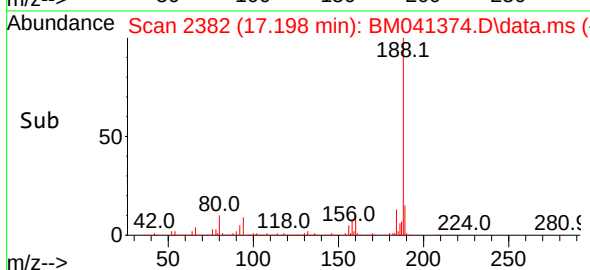
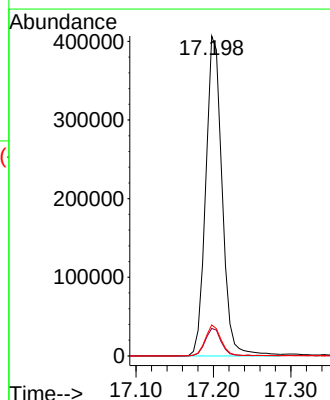
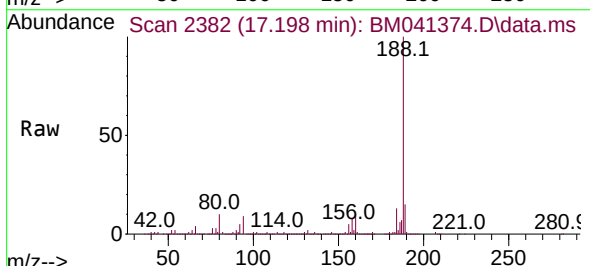
Delta R.T. -0.012 min

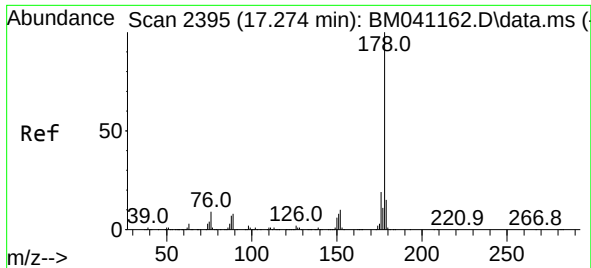
Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Tgt Ion:188 Resp: 596586

Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	9.7	8.6	13.0





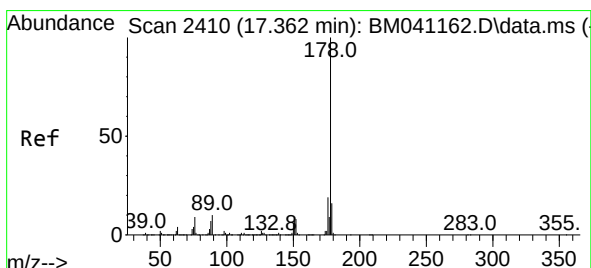
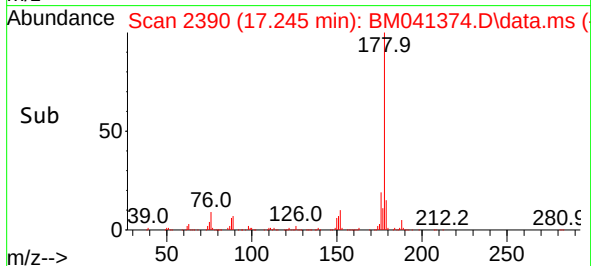
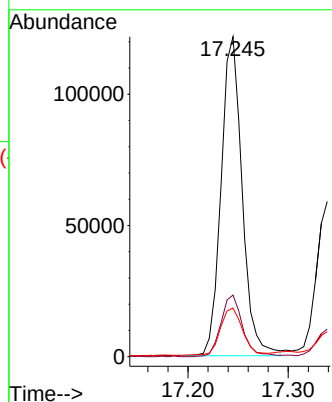
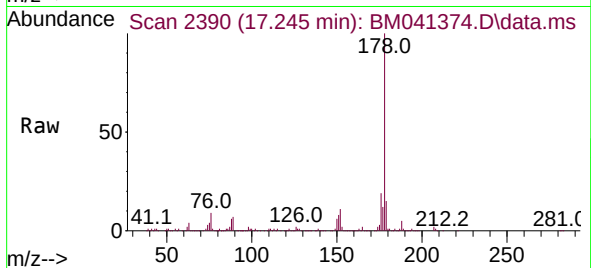
#71
Phenanthrene
Concen: 5.358 ng
RT: 17.245 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Instrument :
BNA_M
ClientSampleId :
B-PP22

Tgt Ion:178 Resp: 177592
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.2 12.1 18.1

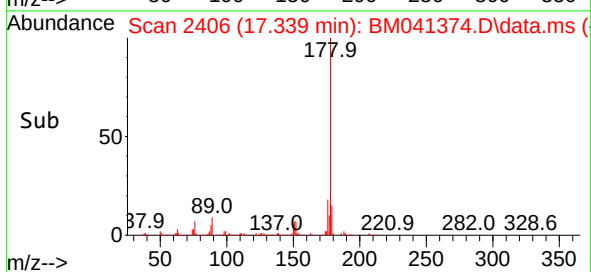
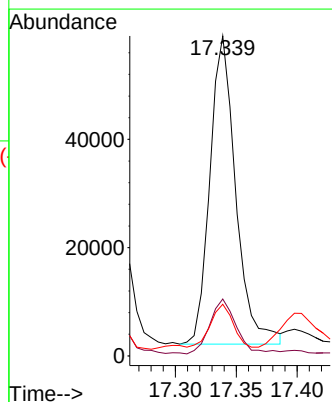
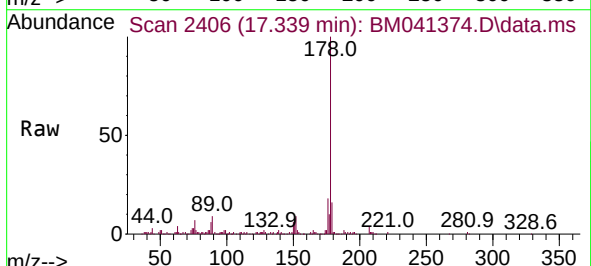
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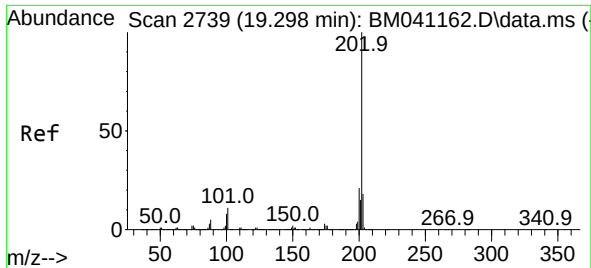
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#72
Anthracene
Concen: 2.567 ng
RT: 17.339 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

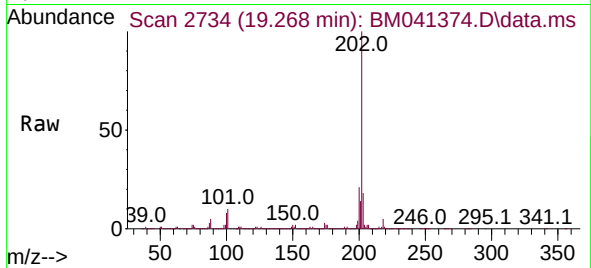
Tgt Ion:178 Resp: 84156
Ion Ratio Lower Upper
178 100
176 17.8 15.2 22.8
179 16.1 12.4 18.6





#75
Fluoranthene
Concen: 29.276 ng
RT: 19.268 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

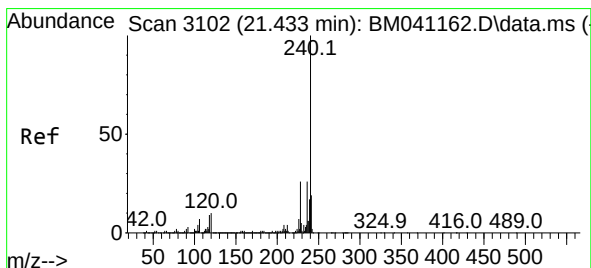
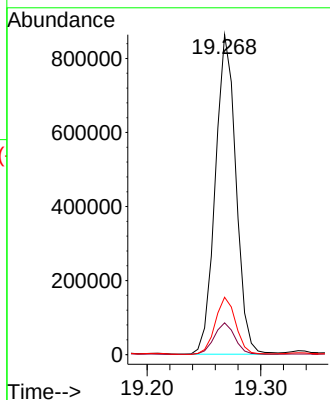
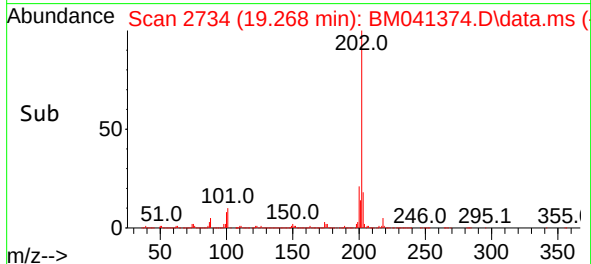
Instrument :
BNA_M
ClientSampleId :
B-PP22



Tgt Ion:202 Resp: 109022
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.8
203 17.9 0.0 37.6

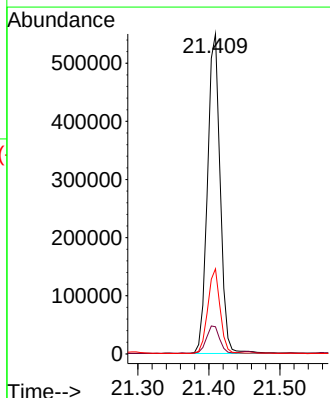
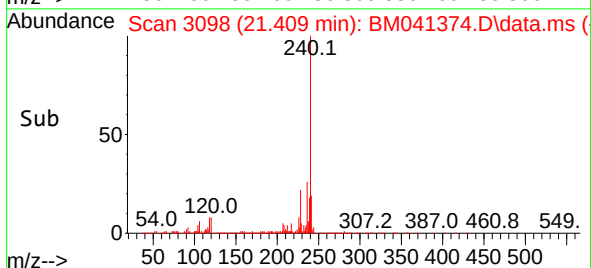
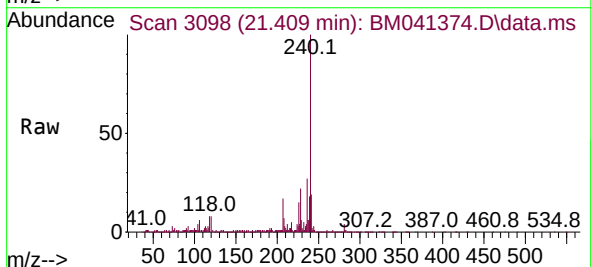
Manual Integrations
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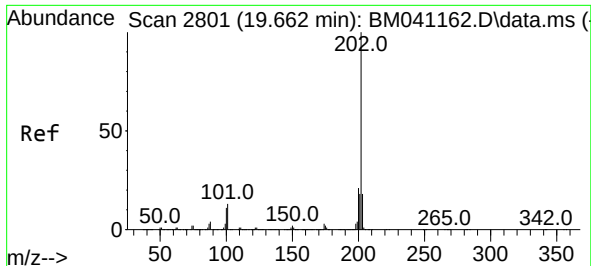
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

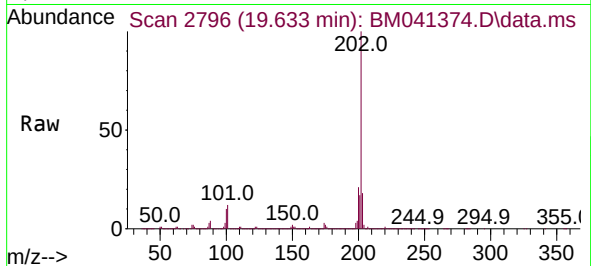
Tgt Ion:240 Resp: 678866
Ion Ratio Lower Upper
240 100
120 8.5 8.3 12.5
236 26.6 20.6 30.8





#78
Pyrene
Concen: 33.729 ng
RT: 19.633 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

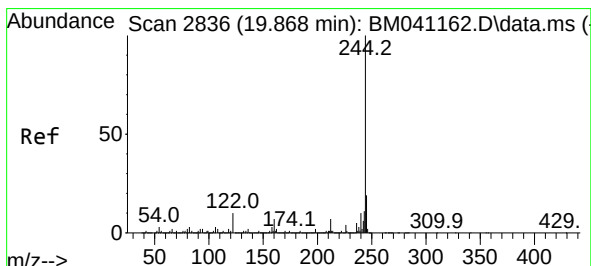
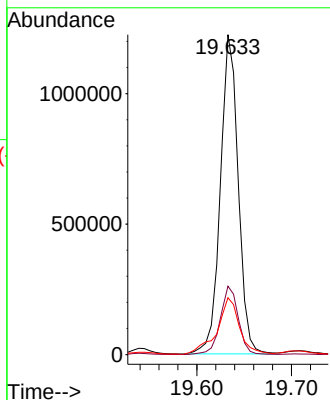
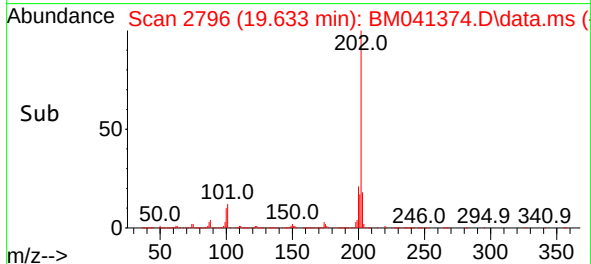
Instrument :
BNA_M
ClientSampleId :
B-PP22



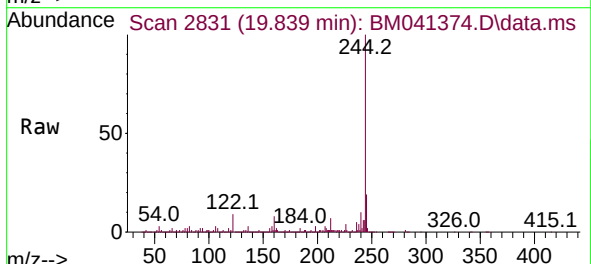
Tgt Ion:202 Resp: 1601250
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 17.8 14.1 21.1

Manual Integrations
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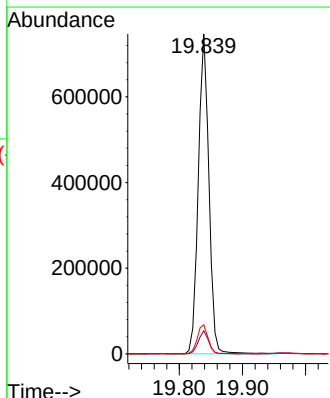
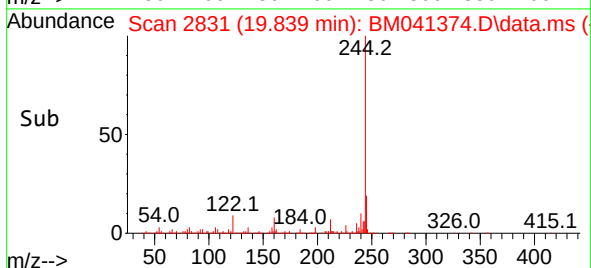
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

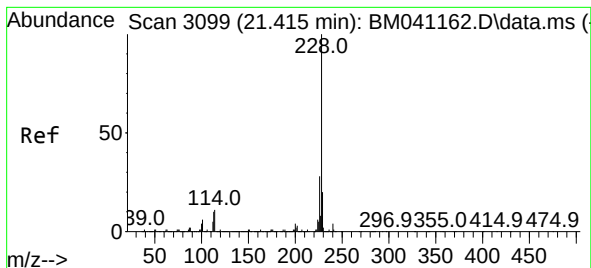


#79
Terphenyl-d14
Concen: 23.180 ng
RT: 19.839 min Scan# 2831
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08



Tgt Ion:244 Resp: 870329
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 9.1 7.8 11.6





#81

Benzo(a)anthracene

Concen: 22.184 ng

RT: 21.392 min Scan# 30

Delta R.T. -0.012 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Instrument :

BNA_M

ClientSampleId :

B-PP22

Tgt Ion:228 Resp: 1020956

Ion Ratio Lower Upper

228 100

226 29.1 22.4 33.6

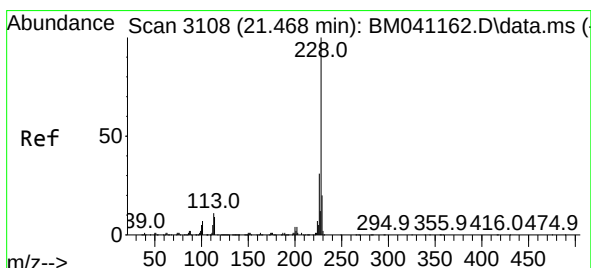
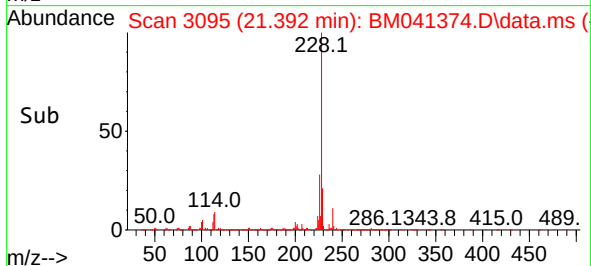
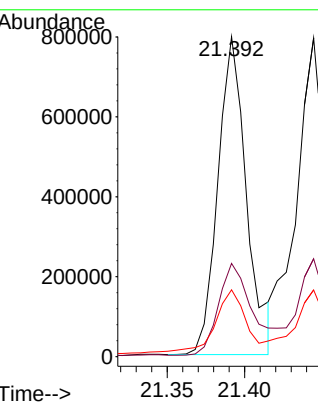
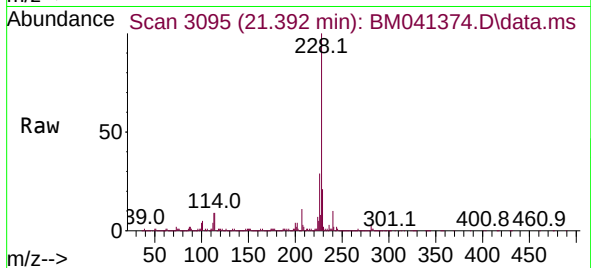
229 20.9 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#83

Chrysene

Concen: 23.080 ng

RT: 21.445 min Scan# 3104

Delta R.T. -0.012 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

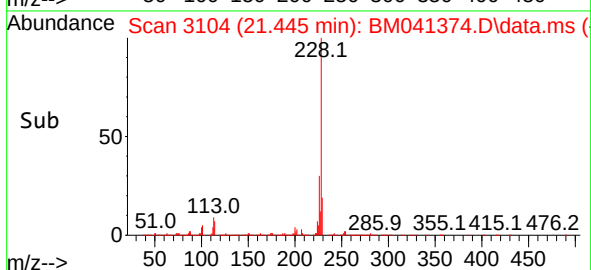
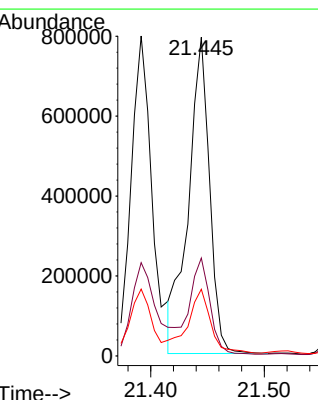
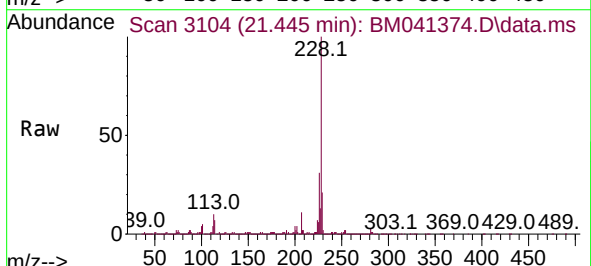
Tgt Ion:228 Resp: 1027363

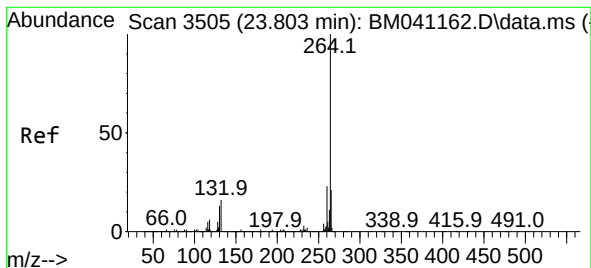
Ion Ratio Lower Upper

228 100

226 30.7 24.5 36.7

229 20.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.768 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Instrument :

BNA_M

ClientSampleId :

B-PP22

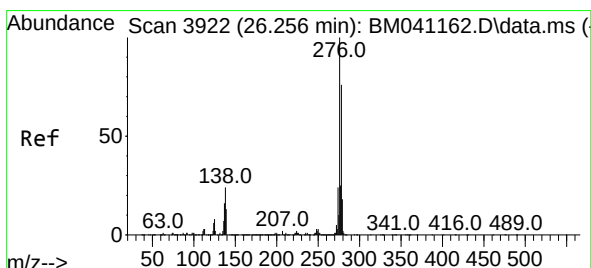
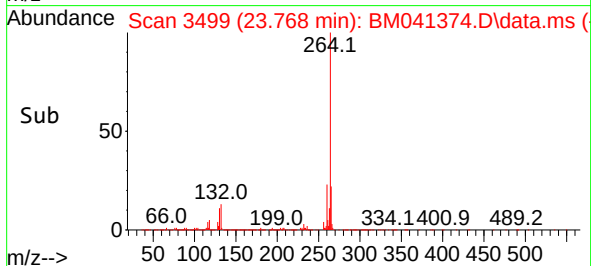
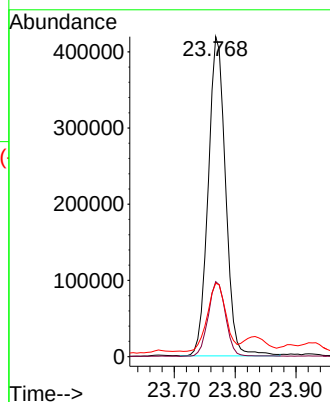
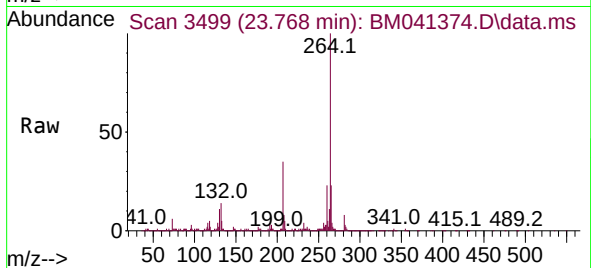
Tgt Ion:	264	Resp:	829820
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.5	27.7
265	22.9	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.278 ng

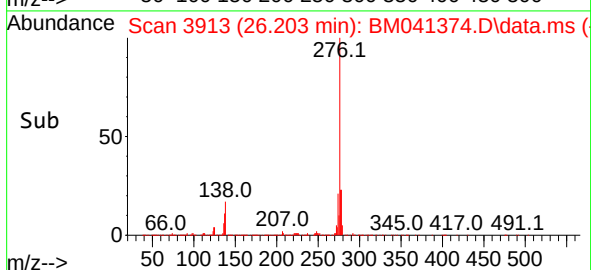
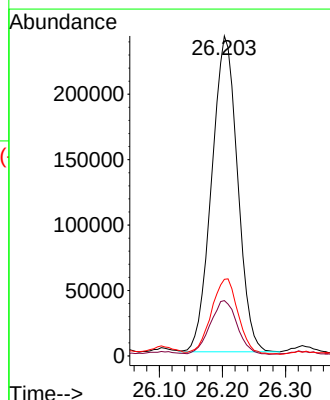
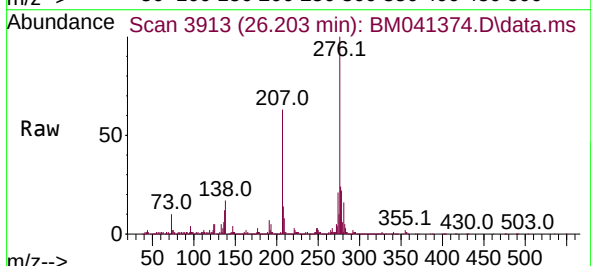
RT: 26.203 min Scan# 3913

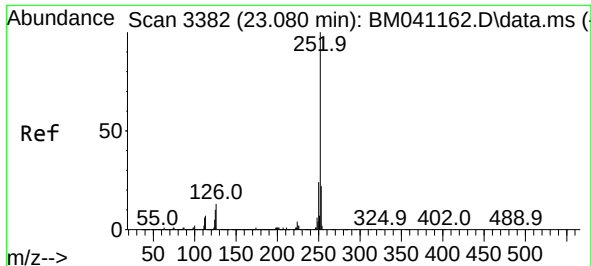
Delta R.T. -0.030 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Tgt Ion:	276	Resp:	688059
Ion Ratio	Lower	Upper	
276	100		
138	17.7	20.0	30.0#
277	24.9	20.1	30.1





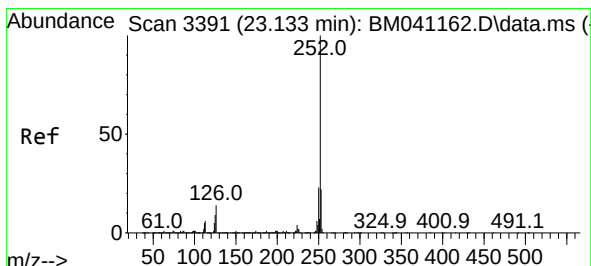
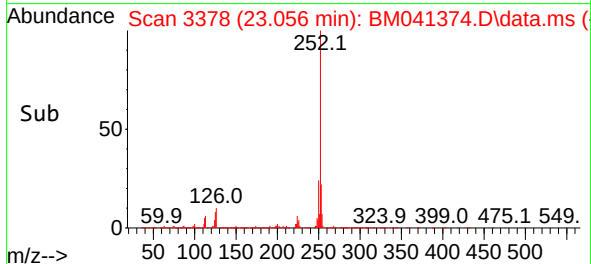
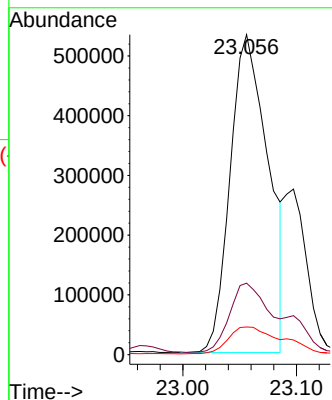
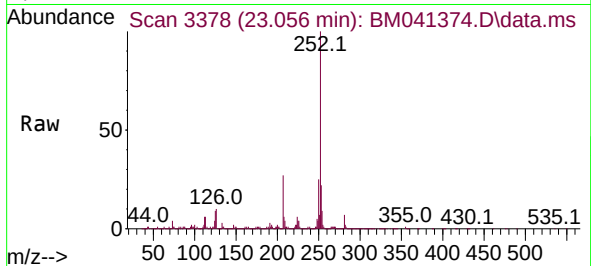
#88
Benzo(b)fluoranthene
Concen: 25.184 ng
RT: 23.056 min Scan# 3382
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Instrument :
BNA_M
ClientSampleId :
B-PP22

Tgt Ion:252 Resp: 1241485
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 8.6 8.2 12.4

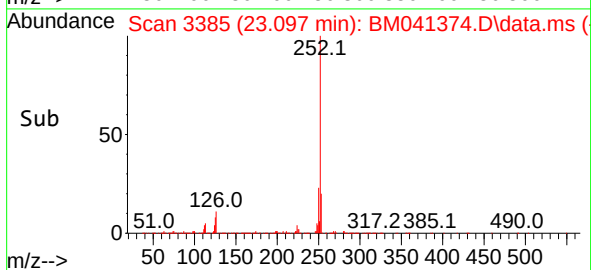
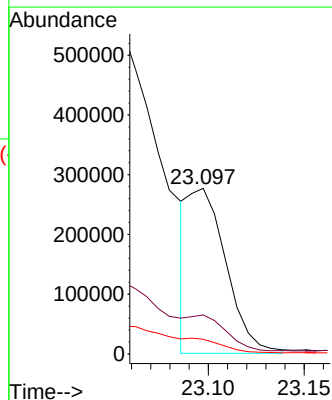
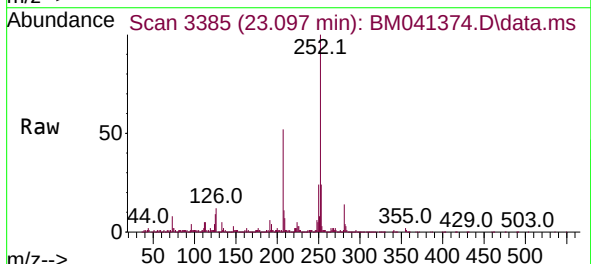
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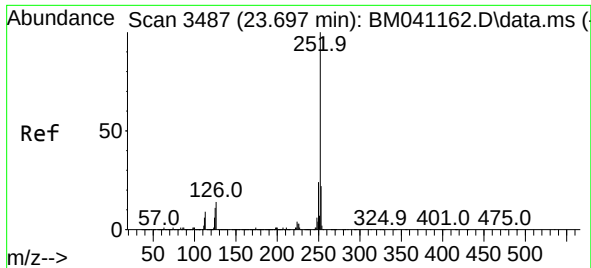
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#89
Benzo(k)fluoranthene
Concen: 7.500 ng m
RT: 23.097 min Scan# 3385
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

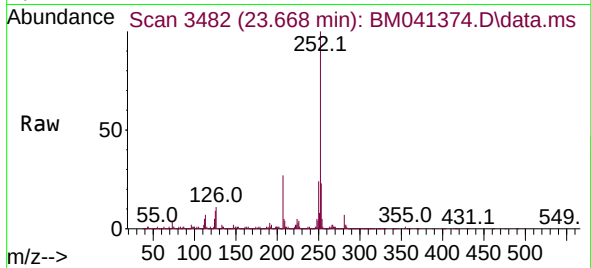
Tgt Ion:252 Resp: 378181
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 8.8 7.6 11.4





#90
Benzo(a)pyrene
Concen: 21.968 ng m
RT: 23.668 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

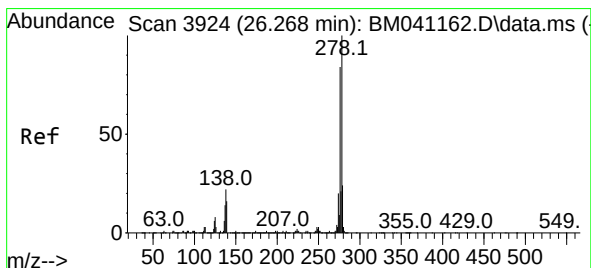
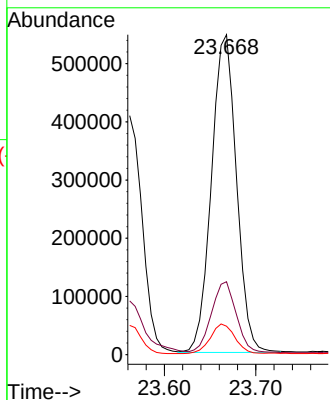
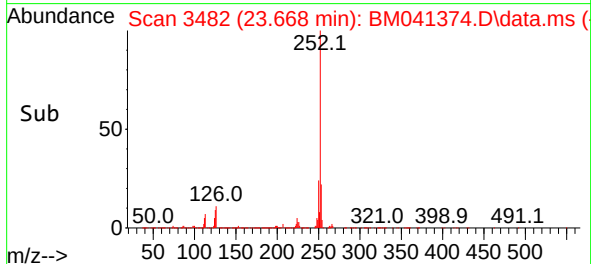
Instrument :
BNA_M
ClientSampleId :
B-PP22



Tgt Ion:252 Resp: 104055
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 8.9 9.0 13.4

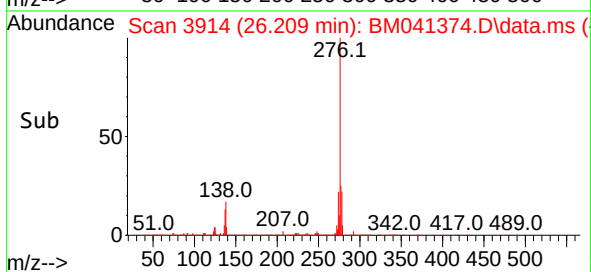
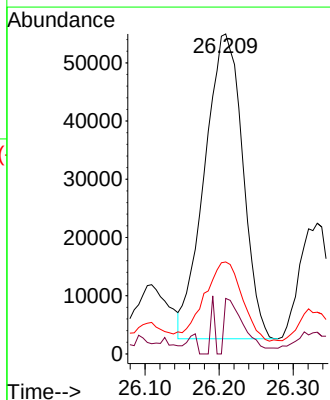
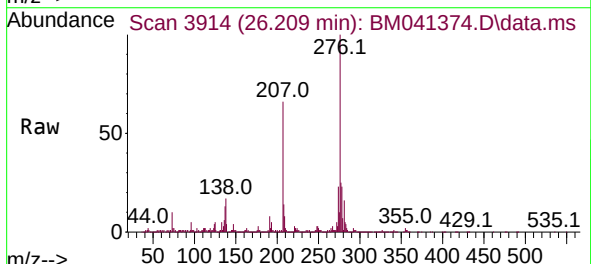
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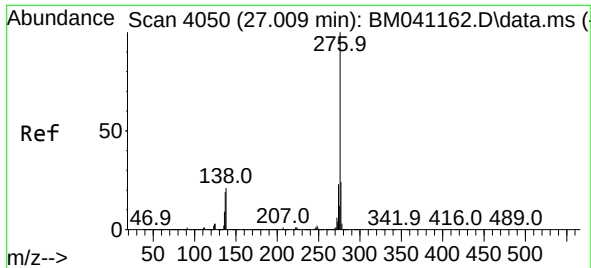
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.679 ng
RT: 26.209 min Scan# 3914
Delta R.T. -0.035 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Tgt Ion:278 Resp: 187201
Ion Ratio Lower Upper
278 100
139 17.4 12.7 19.1
279 28.7 19.1 28.7





#92

Benzo(g,h,i)perylene

Concen: 15.281 ng

RT: 26.956 min Scan# 40

Delta R.T. -0.030 min

Lab File: BM041374.D

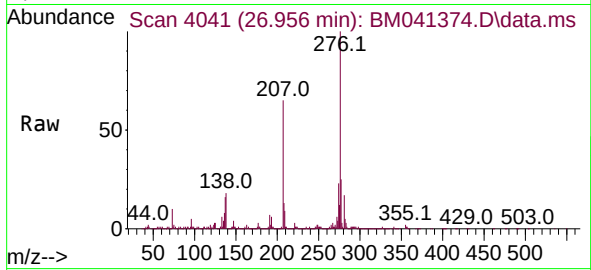
Acq: 10 Aug 2023 22:08

Instrument :

BNA_M

ClientSampleId :

B-PP22



Tgt Ion:276 Resp: 760868

Ion Ratio Lower Upper

276 100

277 25.1 19.1 28.7

138 18.2 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023

