

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080223\
 Data File : BM041237.D
 Acq On : 02 Aug 2023 10:21
 Operator : MA/JU
 Sample : 03848-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-073123

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023

Quant Time: Aug 03 03:05:18 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	7.798	152	167106	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	740422	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	503097	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1186817	20.000	ng	0.00
76) Chrysene-d12	21.427	240	914514	20.000	ng	0.00
86) Perylene-d12	23.803	264	891528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	603834	54.007	ng	0.00
7) Phenol-d6	6.981	99	800176	55.211	ng	0.00
23) Nitrobenzene-d5	8.969	82	508495	31.938	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	414024	58.182	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	1249991	31.387	ng	0.00
79) Terphenyl-d14	19.862	244	2201110	43.517	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.268	178	974513	14.779	ng	100
72) Anthracene	17.356	178	216573	3.321	ng	99
73) Carbazole	17.639	167	187763	3.181	ng	99
75) Fluoranthene	19.292	202	1748989	23.609	ng	100
78) Pyrene	19.656	202	1394839	21.810	ng	100
81) Benzo(a)anthracene	21.409	228	825346	13.313	ng	99
83) Chrysene	21.468	228	776987	12.957	ng	97
84) Bis(2-ethylhexyl)phtha...	21.333	149	40773	3.580	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.244	276	281110	4.289	ng	# 94
88) Benzo(b)fluoranthene	23.080	252	827002	15.615	ng	98
89) Benzo(k)fluoranthene	23.127	252	223267m	4.121	ng	
90) Benzo(a)pyrene	23.697	252	498420	9.794	ng	96
92) Benzo(g,h,i)perylene	27.003	276	266401	4.980	ng	97

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

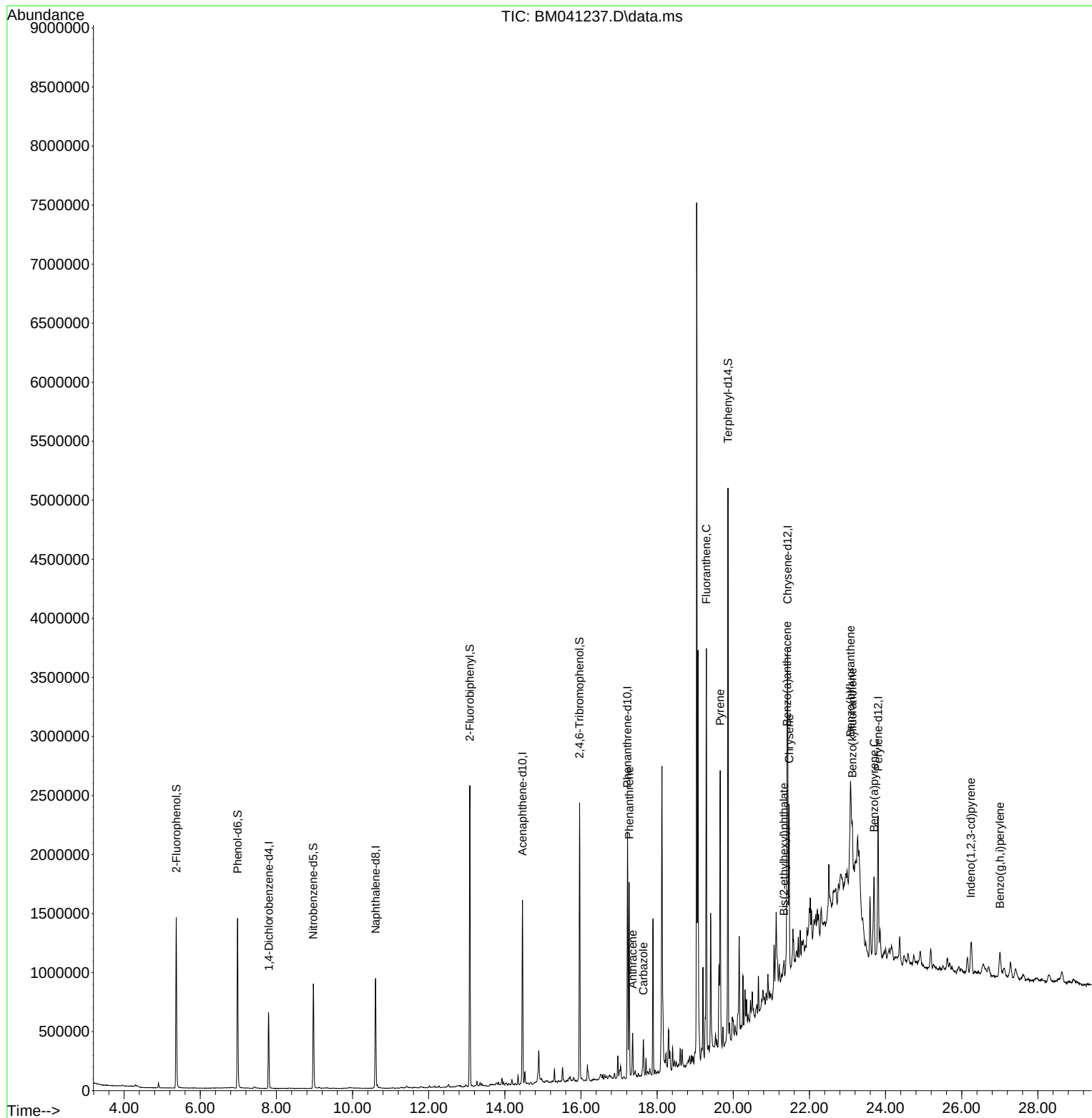
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080223\
Data File : BM041237.D
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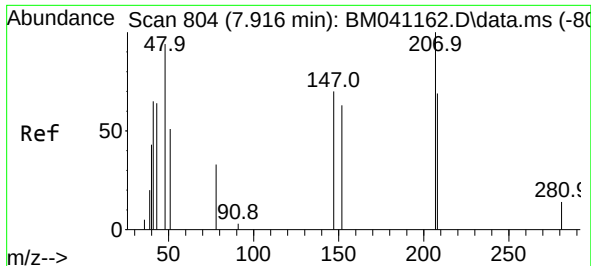
Instrument :
BNA_M
ClientSampleId :
SU-02-073123

Quant Time: Aug 03 03:05:18 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
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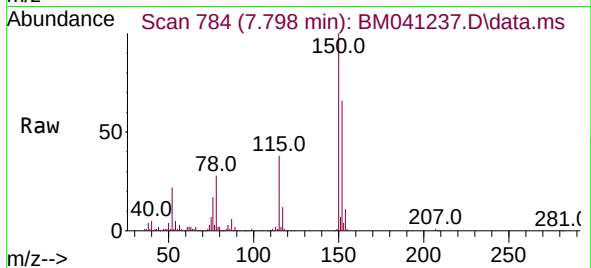
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 71
Delta R.T. 0.005 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

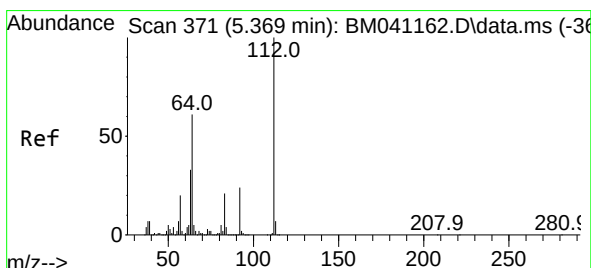
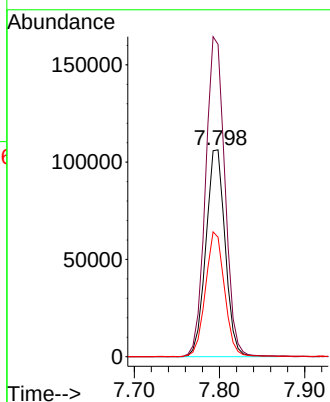
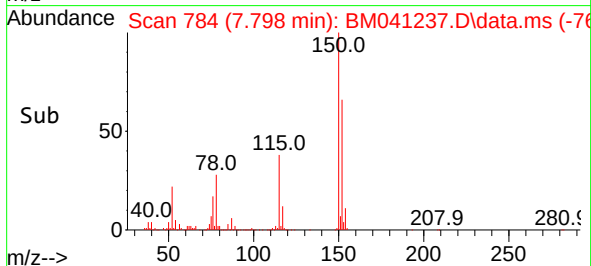
Instrument :
BNA_M
ClientSampleId :
SU-02-073123



Tgt Ion:152 Resp: 167100
Ion Ratio Lower Upper
152 100
150 151.0 125.5 188.3
115 57.8 48.0 72.0

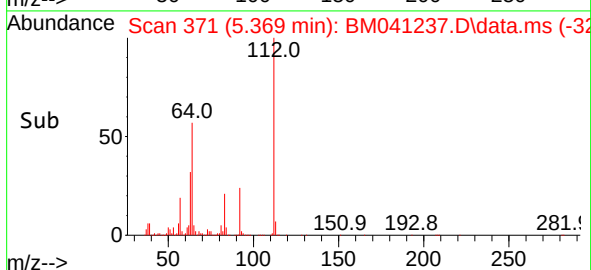
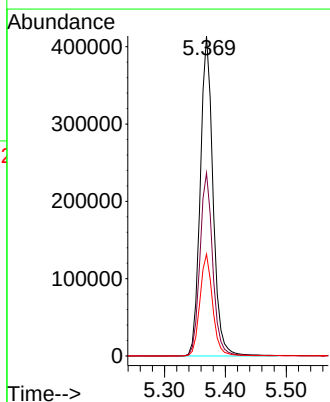
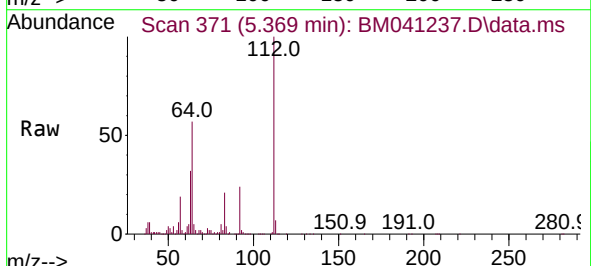
Manual Integrations
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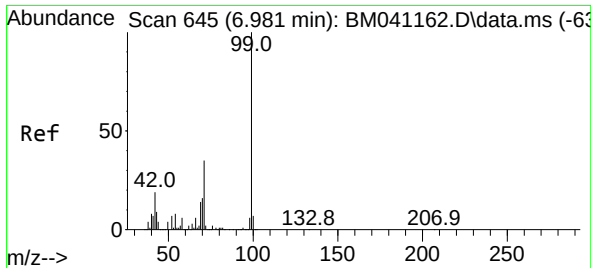
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#5
2-Fluorophenol
Concen: 54.007 ng
RT: 5.369 min Scan# 371
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion:112 Resp: 603834
Ion Ratio Lower Upper
112 100
64 57.2 48.5 72.7
63 31.8 26.5 39.7





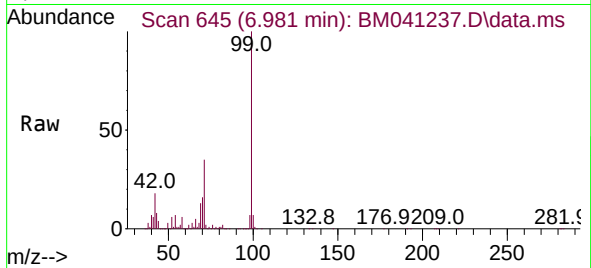
#7
Phenol-d6
Concen: 55.211 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123



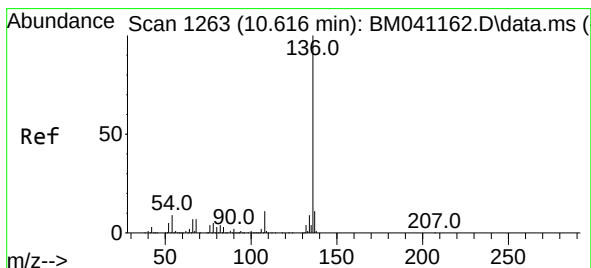
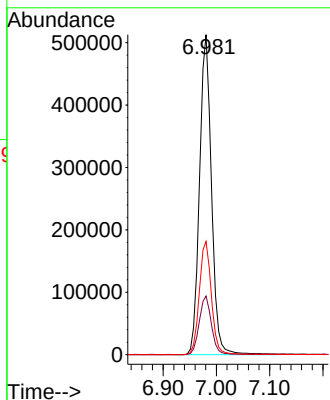
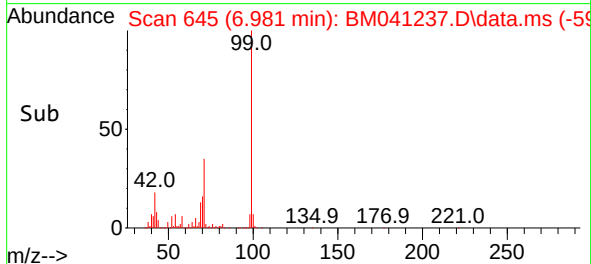
Tgt Ion: 99 Resp: 800170
Ion Ratio Lower Upper
99 100
42 18.4 15.4 23.0
71 35.4 28.2 42.4

Manual Integrations

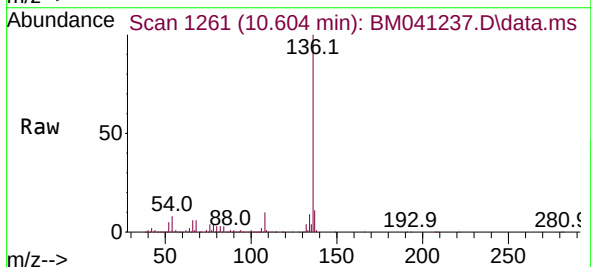
APPROVED

Reviewed By :Yogesh Patel 08/03/2023

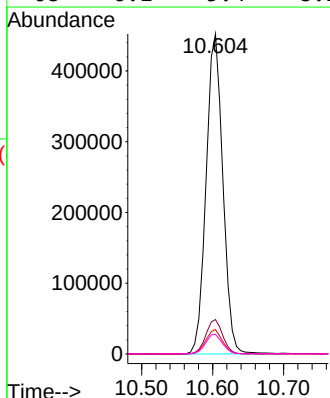
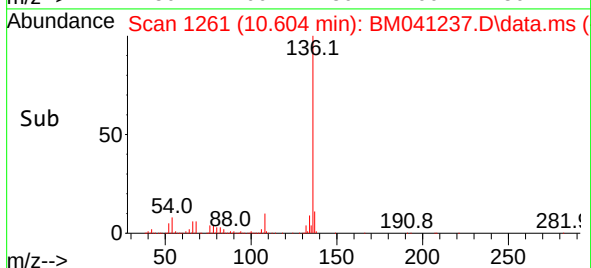
Supervised By :mohammad ahmed 08/03/2023

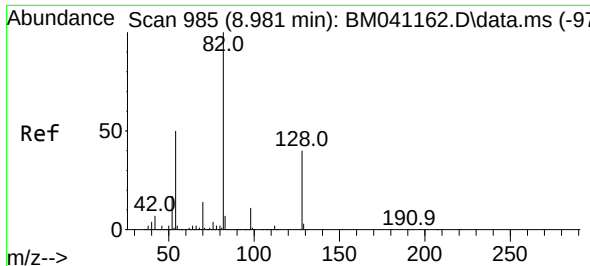


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21



Tgt Ion:136 Resp: 740422
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 6.9 10.3
68 6.1 5.4 8.2





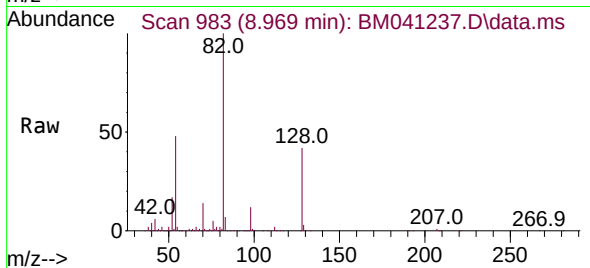
#23
Nitrobenzene-d5
Concen: 31.938 ng
RT: 8.969 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123



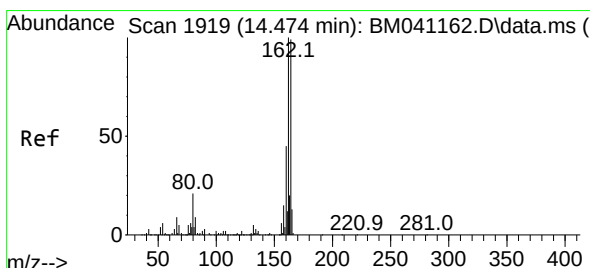
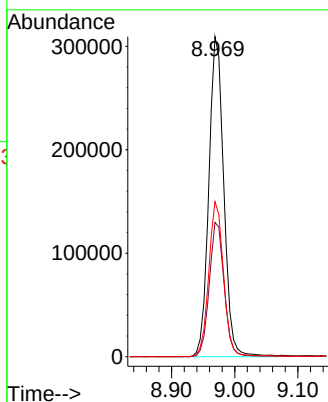
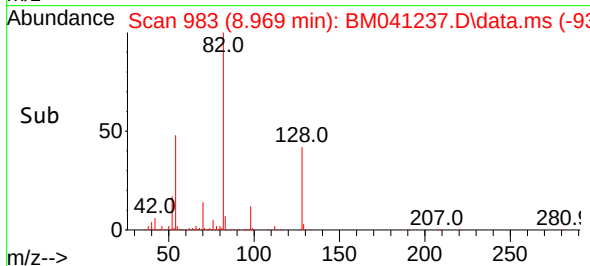
Tgt Ion: 82 Resp: 50849
Ion Ratio Lower Upper
82 100
128 42.0 31.8 47.6
54 48.4 40.1 60.1

Manual Integrations

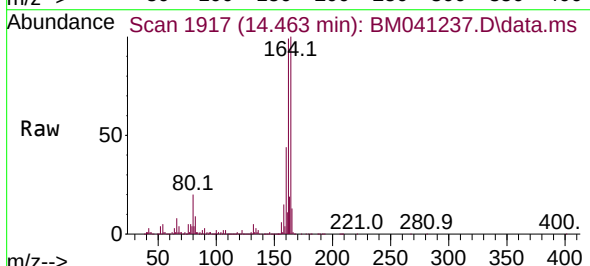
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Reviewed By :Yogesh Patel 08/03/2023

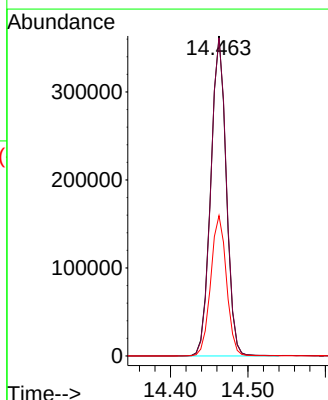
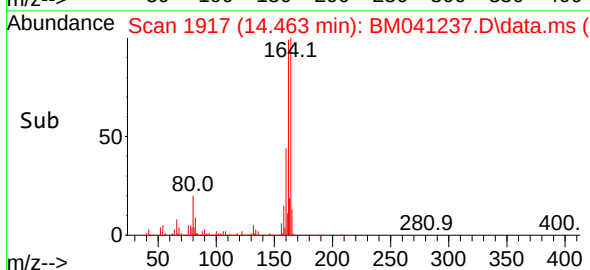
Supervised By :mohammad ahmed 08/03/2023

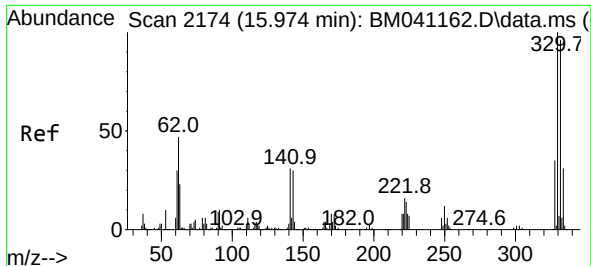


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21



Tgt Ion:164 Resp: 503097
Ion Ratio Lower Upper
164 100
162 99.4 80.4 120.6
160 43.9 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 58.182 ng
RT: 15.962 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

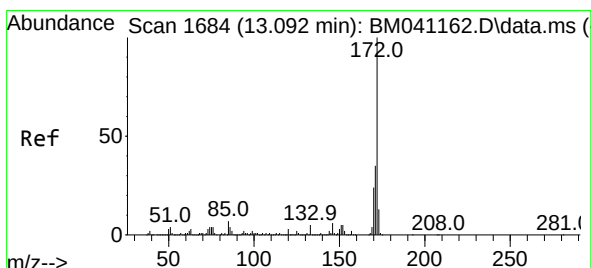
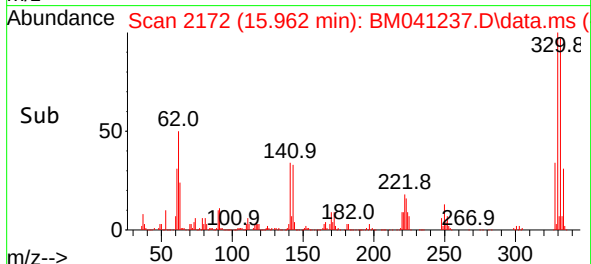
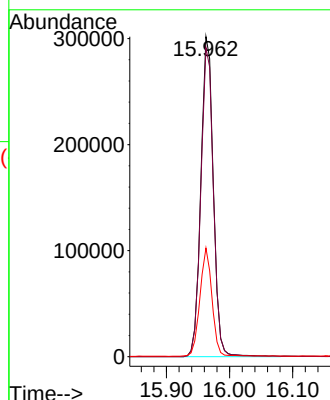
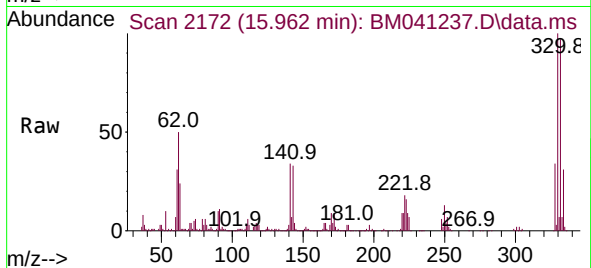
SU-02-073123

Tgt Ion:330 Resp: 414024
Ion Ratio Lower Upper
330 100
332 97.2 77.7 116.5
141 32.7 28.3 42.5

Manual Integrations

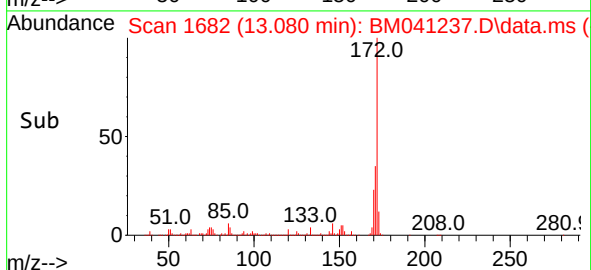
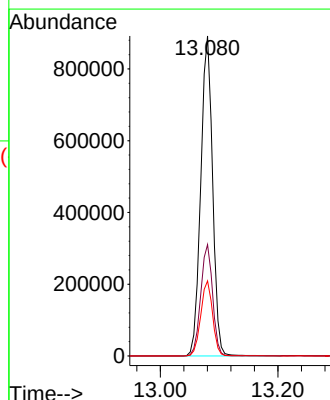
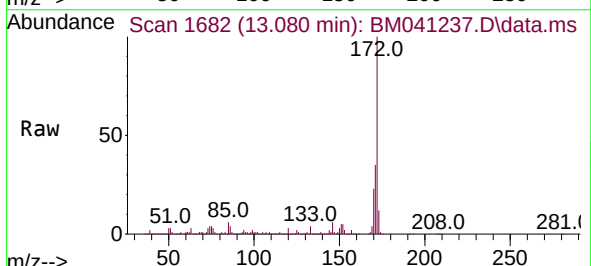
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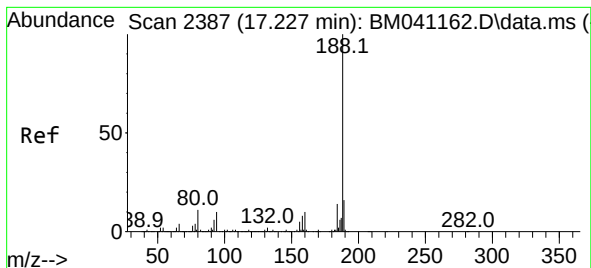
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#45
2-Fluorobiphenyl
Concen: 31.387 ng
RT: 13.080 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion:172 Resp: 1249991
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.5 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123

Tgt Ion:188 Resp: 118681

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.2

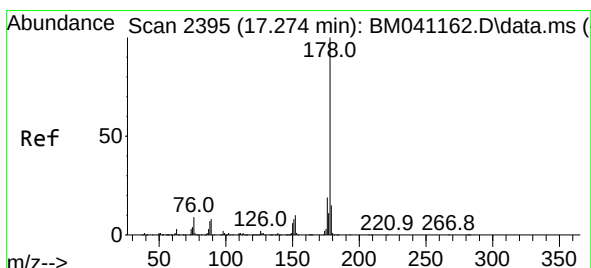
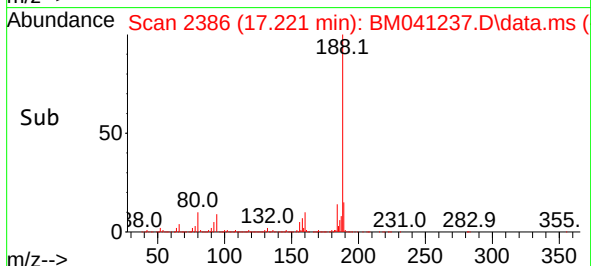
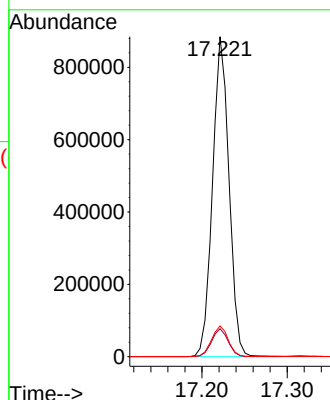
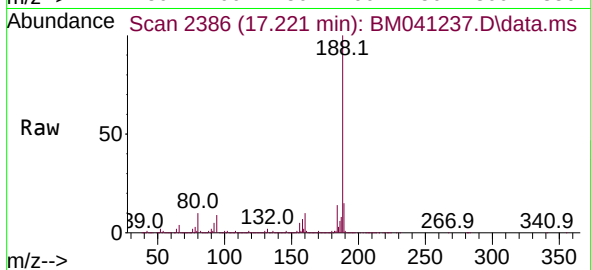
80 9.6 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#71

Phenanthrene

Concen: 14.779 ng

RT: 17.268 min Scan# 2394

Delta R.T. -0.000 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

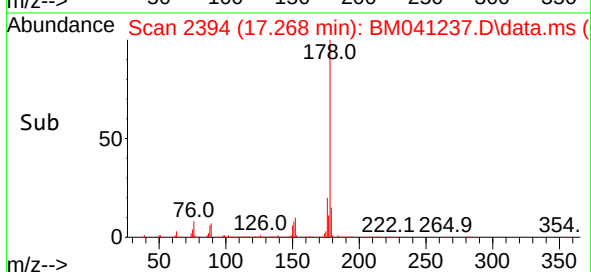
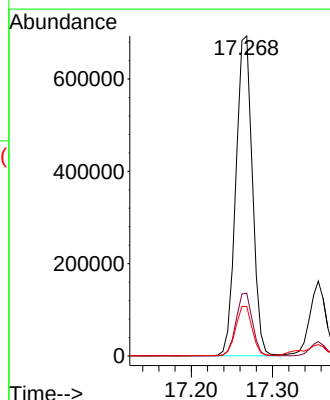
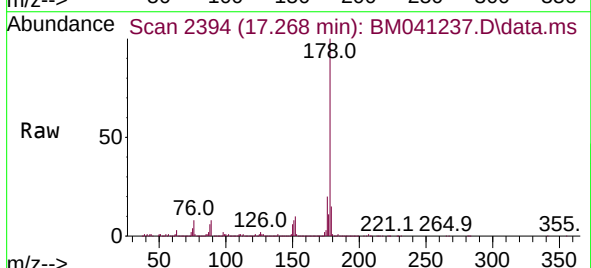
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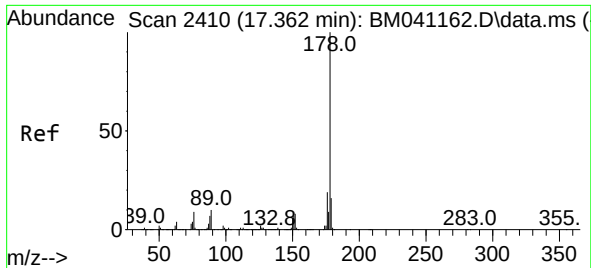
Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.5 12.1 18.1





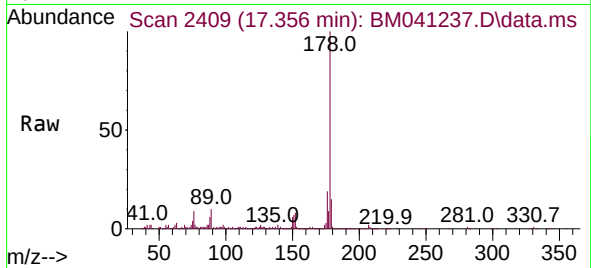
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 Anthracene
 Concen: 3.321 ng
 RT: 17.356 min Scan# 2410
 Delta R.T. -0.000 min
 Lab File: BM041237.D
 Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123



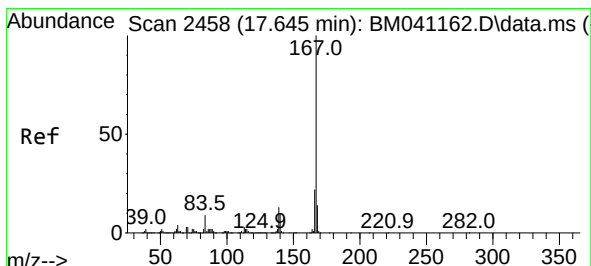
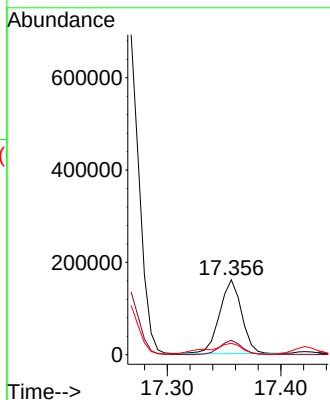
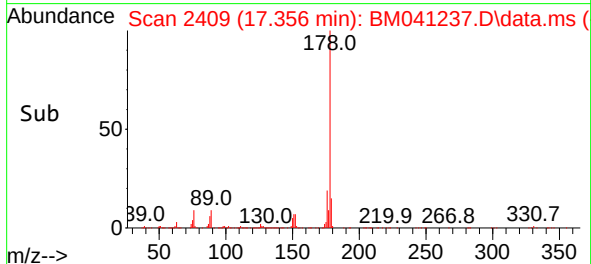
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 Ion Ratio Lower Upper
 178 100
 176 19.2 15.2 22.8
 179 15.2 12.4 18.6

Manual Integrations

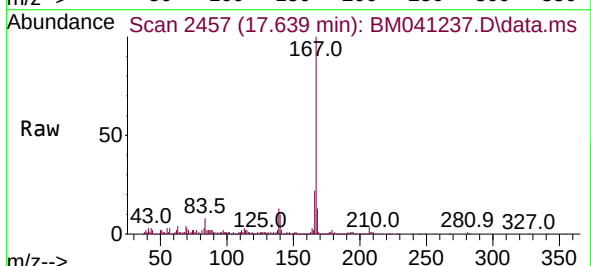
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Reviewed By :Yogesh Patel 08/03/2023

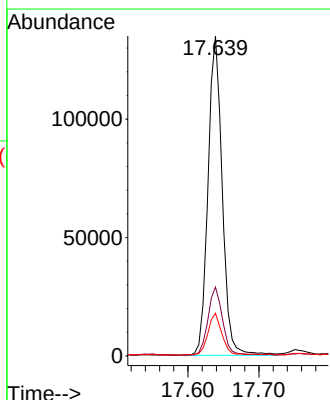
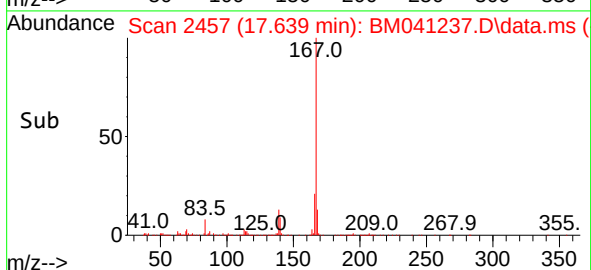
Supervised By :mohammad ahmed 08/03/2023

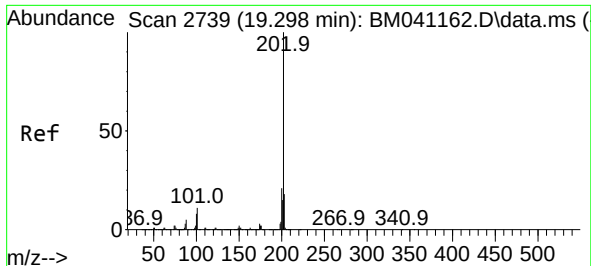


#73
 Carbazole
 Concen: 3.181 ng
 RT: 17.639 min Scan# 2457
 Delta R.T. -0.000 min
 Lab File: BM041237.D
 Acq: 02 Aug 2023 10:21



Tgt Ion:167 Resp: 187763
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.3 25.9
 139 13.4 10.3 15.5





#75
Fluoranthene
Concen: 23.609 ng
RT: 19.292 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

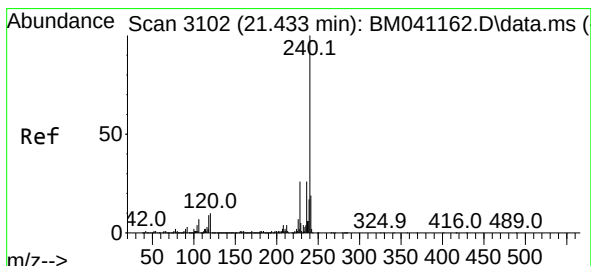
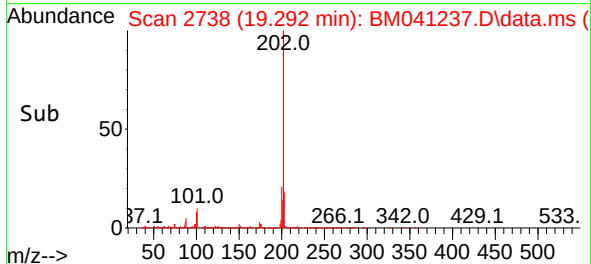
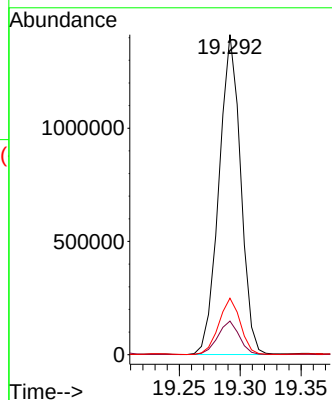
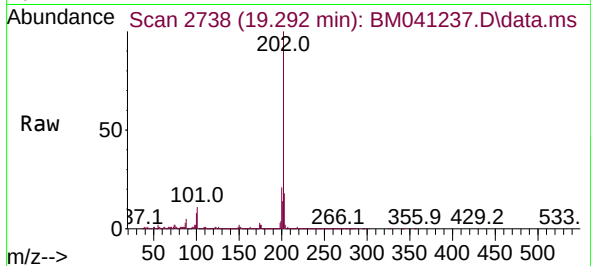
SU-02-073123

Tgt Ion:202 Resp: 1748989
Ion Ratio Lower Upper
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101 10.5 0.0 30.8
203 17.6 0.0 37.6

Manual Integrations

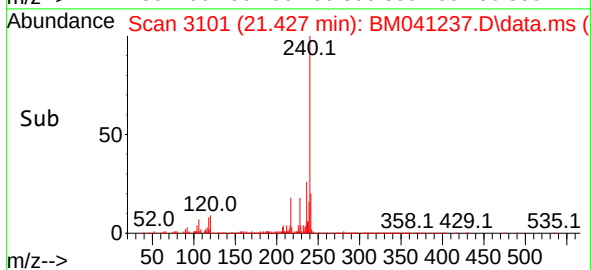
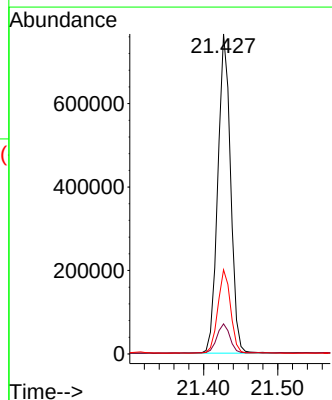
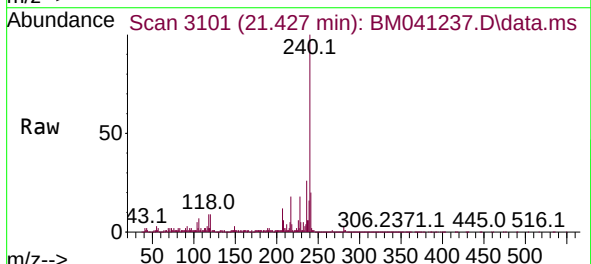
APPROVED

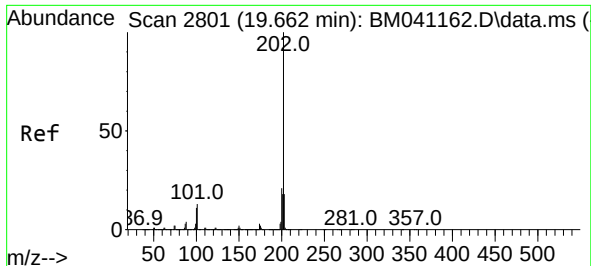
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion:240 Resp: 914514
Ion Ratio Lower Upper
240 100
120 9.4 8.3 12.5
236 26.3 20.6 30.8





#78
Pyrene
Concen: 21.810 ng
RT: 19.656 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

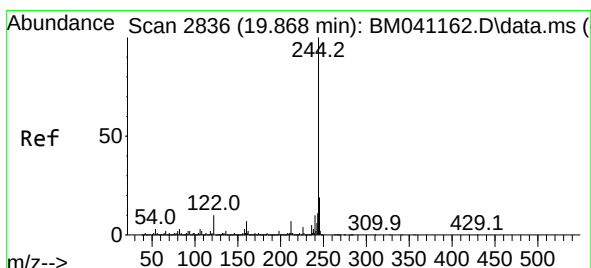
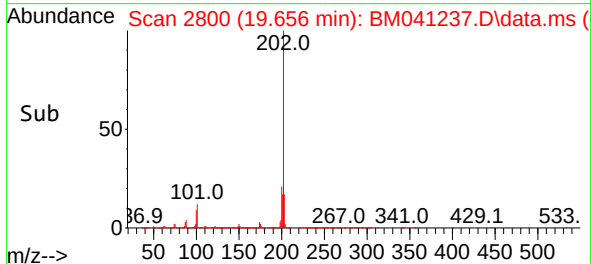
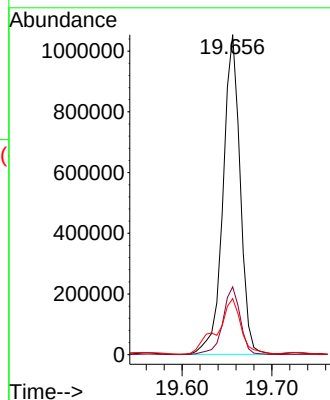
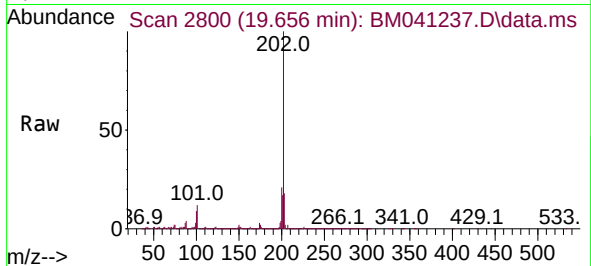
SU-02-073123

Tgt Ion:202 Resp: 1394839
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.5 14.1 21.1

Manual Integrations

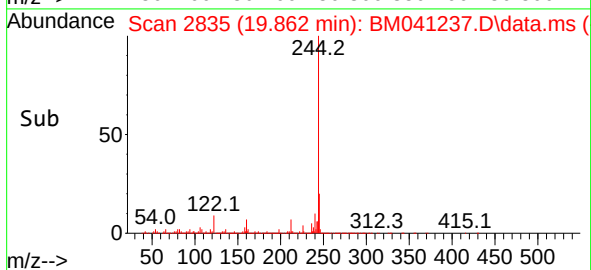
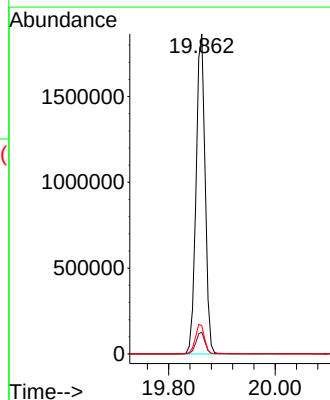
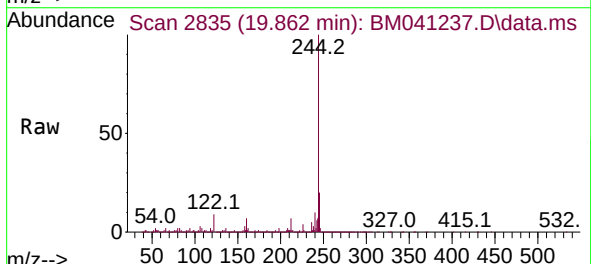
APPROVED

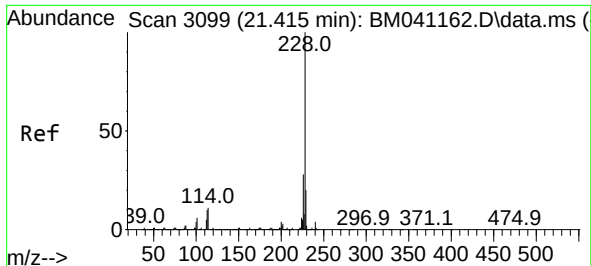
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#79
Terphenyl-d14
Concen: 43.517 ng
RT: 19.862 min Scan# 2835
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion:244 Resp: 2201110
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 8.9 7.8 11.6





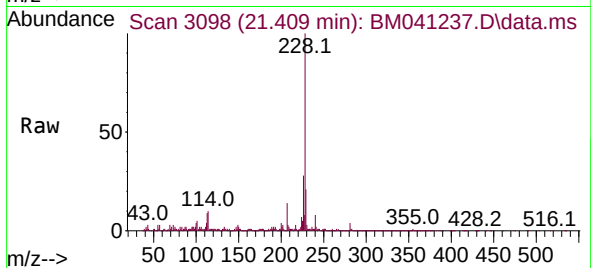
#81
Benzo(a)anthracene
Concen: 13.313 ng
RT: 21.409 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123

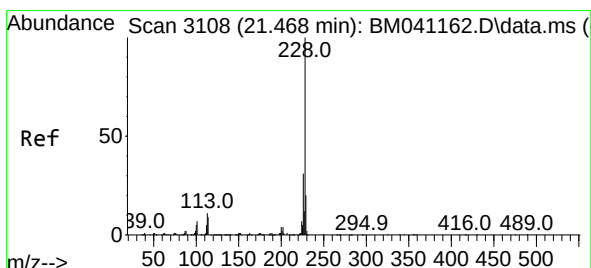
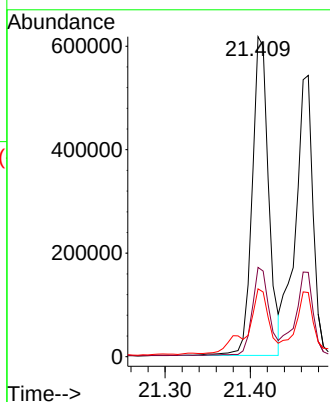
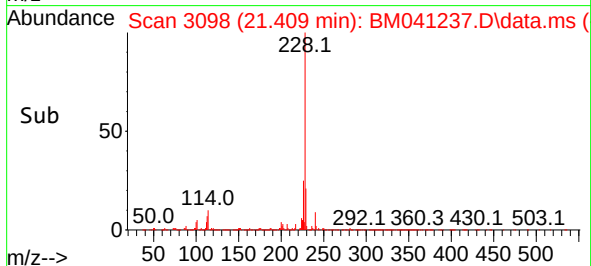


Tgt Ion:228 Resp: 825340
Ion Ratio Lower Upper
228 100
226 27.9 22.4 33.6
229 21.2 15.8 23.8

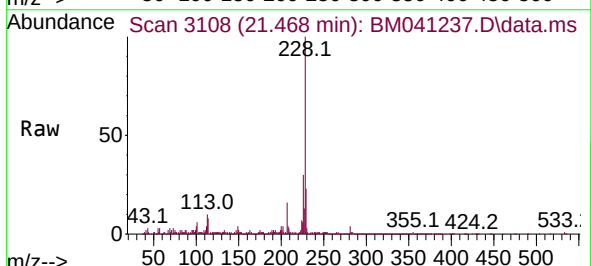
Manual Integrations

APPROVED

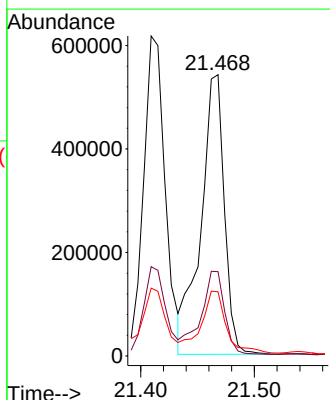
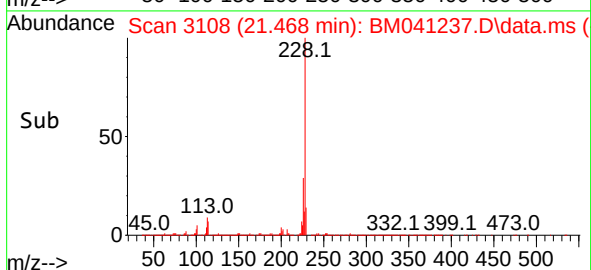
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

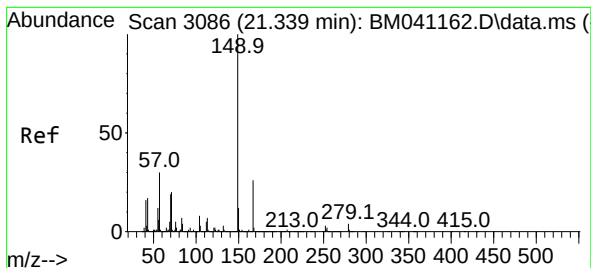


#83
Chrysene
Concen: 12.957 ng
RT: 21.468 min Scan# 3108
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21



Tgt Ion:228 Resp: 776987
Ion Ratio Lower Upper
228 100
226 30.0 24.5 36.7
229 22.8 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.580 ng

RT: 21.333 min Scan# 3085

Delta R.T. -0.000 min

Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

Instrument :

BNA_M

ClientSampleId :

SU-02-073123

Tgt Ion:149 Resp: 4077

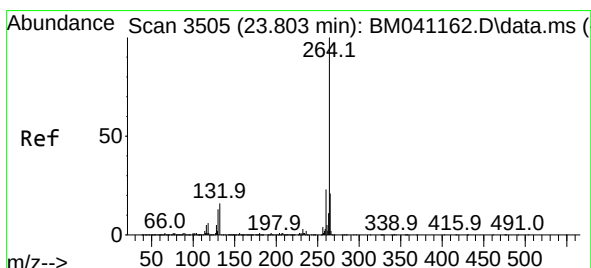
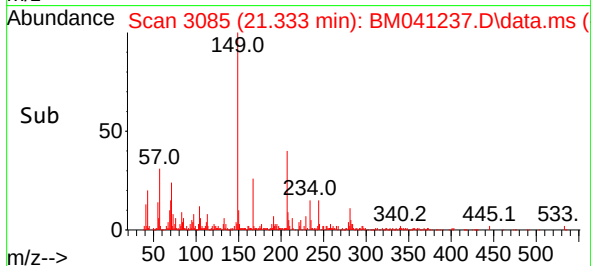
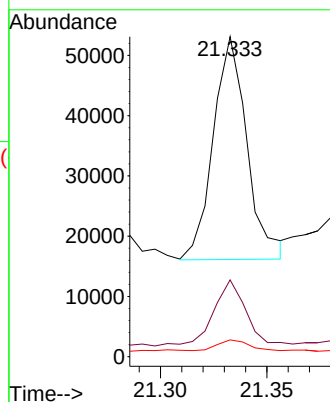
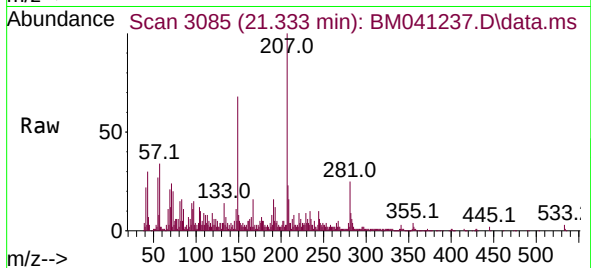
Ion	Ratio	Lower	Upper
149	100		
167	24.0	21.0	31.6
279	5.2	3.1	4.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.803 min Scan# 3505

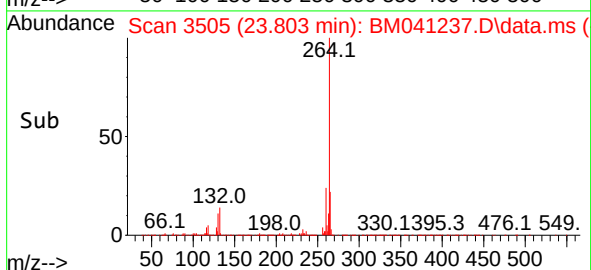
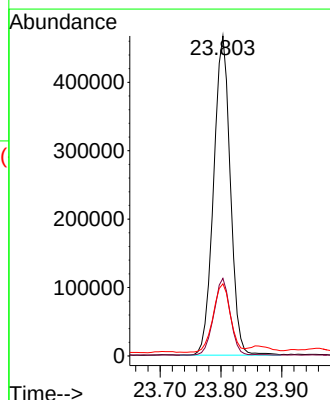
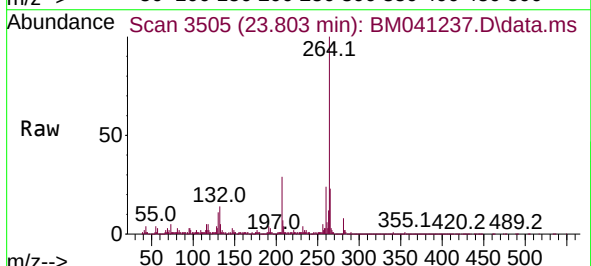
Delta R.T. -0.000 min

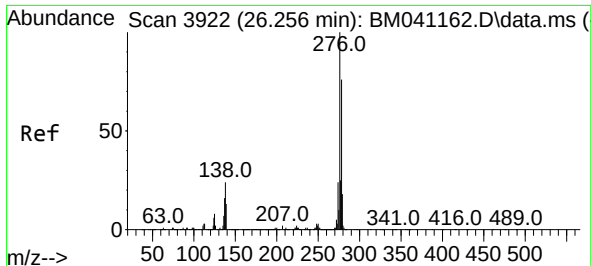
Lab File: BM041237.D

Acq: 02 Aug 2023 10:21

Tgt Ion:264 Resp: 891528

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.5	27.7
265	22.6	17.4	26.0





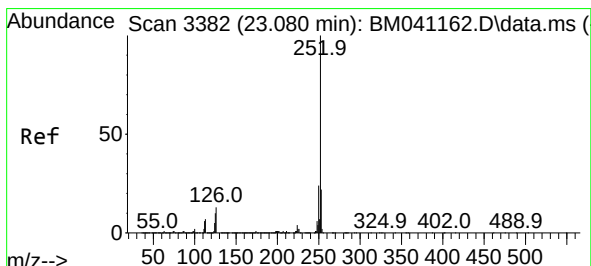
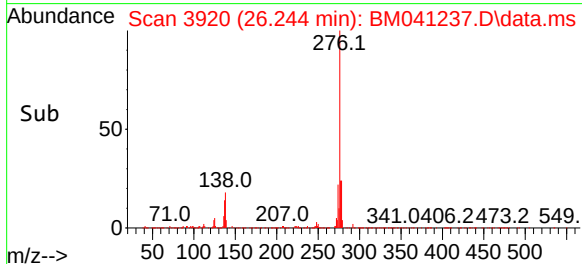
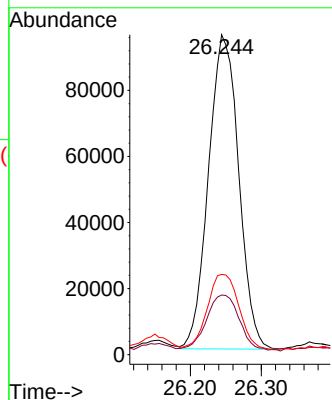
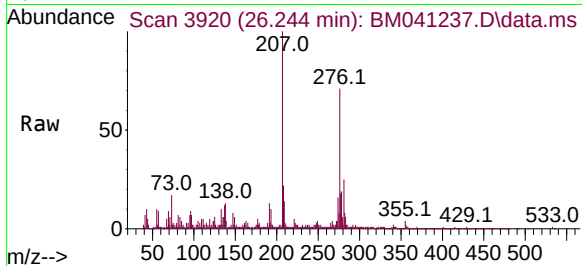
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.289 ng
RT: 26.244 min Scan# 3922
Delta R.T. -0.018 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Instrument :
BNA_M
ClientSampleId :
SU-02-073123

Tgt Ion: 276 Resp: 281110
Ion Ratio Lower Upper
276 100
138 19.7 20.0 30.0
277 25.4 20.1 30.1

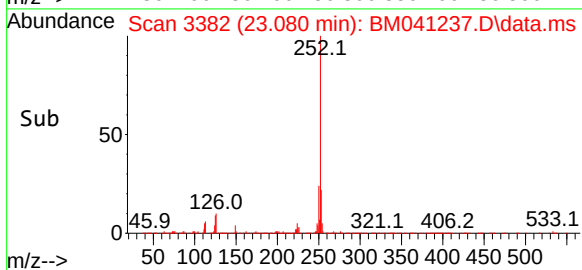
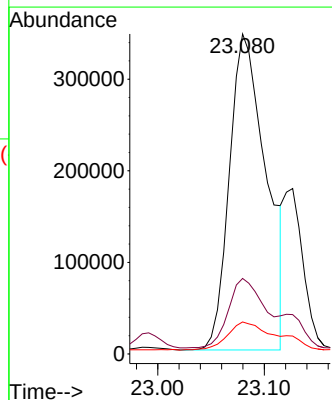
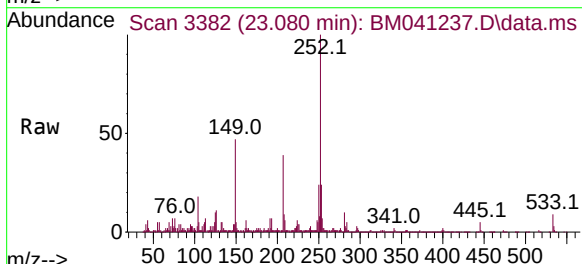
Manual Integrations
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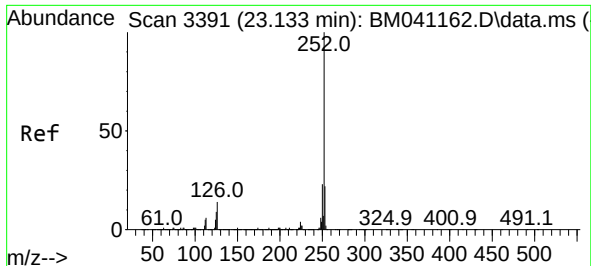
Reviewed By : Yogesh Patel 08/03/2023
Supervised By : mohammad ahmed 08/03/2023



#88
Benzo(b)fluoranthene
Concen: 15.615 ng
RT: 23.080 min Scan# 3382
Delta R.T. -0.006 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Tgt Ion: 252 Resp: 827002
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 10.0 8.2 12.4





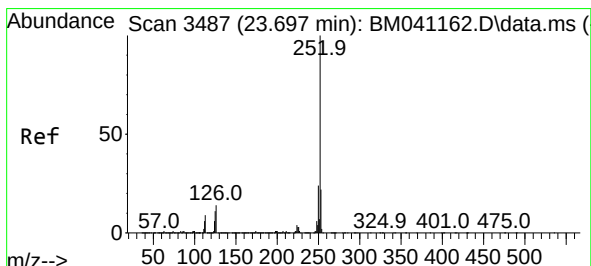
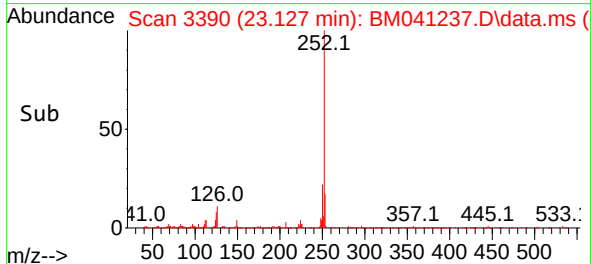
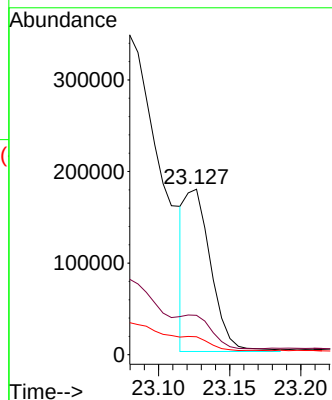
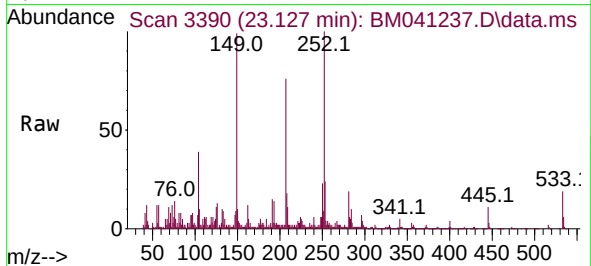
#89
Benzo(k)fluoranthene
Concen: 4.121 ng m
RT: 23.127 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Instrument :
BNA_M
ClientSampleId :
SU-02-073123

Tgt Ion:252 Resp: 22326
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 10.8 7.6 11.4

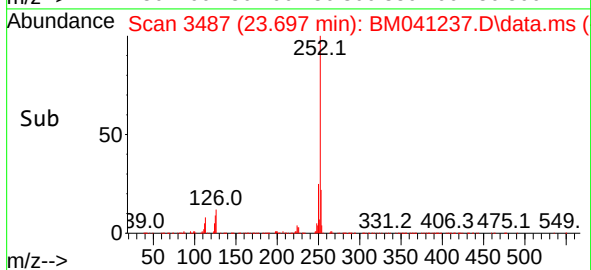
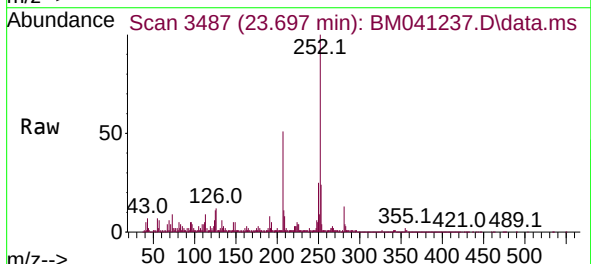
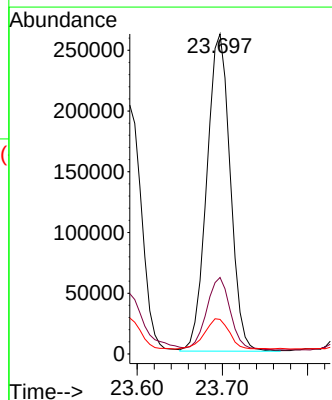
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APPROVED

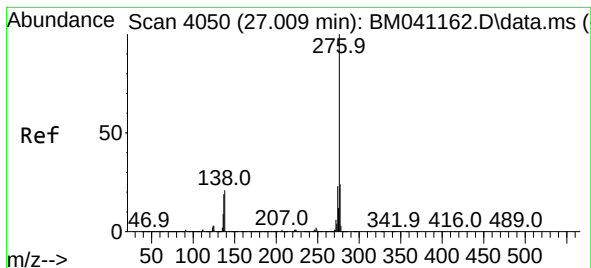
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#90
Benzo(a)pyrene
Concen: 9.794 ng
RT: 23.697 min Scan# 3487
Delta R.T. -0.000 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

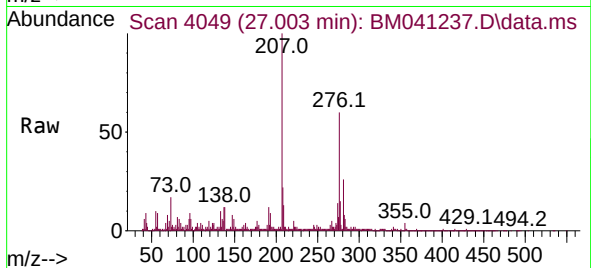
Tgt Ion:252 Resp: 498420
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 10.8 9.0 13.4





#92
Benzo(g,h,i)perylene
Concen: 4.980 ng
RT: 27.003 min Scan# 40
Delta R.T. -0.012 min
Lab File: BM041237.D
Acq: 02 Aug 2023 10:21

Instrument :
BNA_M
ClientSampleId :
SU-02-073123



Tgt Ion:276 Resp: 26640
Ion Ratio Lower Upper
276 100
277 25.0 19.1 28.7
138 19.8 17.1 25.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

