

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
 Data File : BM038778.D
 Acq On : 17 Feb 2023 17:18
 Operator : CG/JU
 Sample : 01552-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-06-4.0-6.0

Quant Time: Feb 17 23:22:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 23:12:31 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/18/2023
 Supervised By :mohammad ahmed 02/20/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	43311	20.000	ng	-0.03
21) Naphthalene-d8	10.692	136	174453	20.000	ng	#-0.03
39) Acenaphthene-d10	14.533	164	120116	20.000	ng	-0.03
64) Phenanthrene-d10	17.280	188	265398	20.000	ng	#-0.02
76) Chrysene-d12	21.468	240	305704	20.000	ng	-0.02
86) Perylene-d12	23.862	264	338149	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	288615	130.537	ng	-0.03
7) Phenol-d6	7.057	99	367305	145.659	ng	-0.03
23) Nitrobenzene-d5	9.057	82	207831	67.668	ng	-0.04
42) 2,4,6-Tribromophenol	16.027	330	215775	132.163	ng	-0.03
45) 2-Fluorobiphenyl	13.157	172	619668	65.678	ng	-0.03
79) Terphenyl-d14	19.909	244	1182104	68.237	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	14.257	152	30056	2.549	ng	96
52) Acenaphthene	14.598	154	27845	3.954	ng	90
55) Dibenzofuran	14.933	168	41705	3.439	ng	99
58) Fluorene	15.580	166	52039	5.424	ng	96
71) Phenanthrene	17.327	178	717223	45.513	ng	99
72) Anthracene	17.415	178	193389	11.996	ng	100
73) Carbazole	17.692	167	63080	4.196	ng	98
75) Fluoranthene	19.350	202	1110712	67.130	ng	99
78) Pyrene	19.709	202	991784	42.138	ng	99
81) Benzo(a)anthracene	21.456	228	554564	25.645	ng	98
83) Chrysene	21.509	228	439714	21.104	ng	95
84) Bis(2-ethylhexyl)phtha...	21.368	149	42515	3.912	ng	99
87) Indeno(1,2,3-cd)pyrene	26.338	276	277456	10.417	ng	97
88) Benzo(b)fluoranthene	23.133	252	626608	30.938	ng	98
89) Benzo(k)fluoranthene	23.174	252	222158m	10.802	ng	
90) Benzo(a)pyrene	23.756	252	465656	23.249	ng	97
91) Dibenzo(a,h)anthracene	26.338	278	78325m	3.495	ng	
92) Benzo(g,h,i)perylene	27.103	276	253435	11.188	ng	99

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

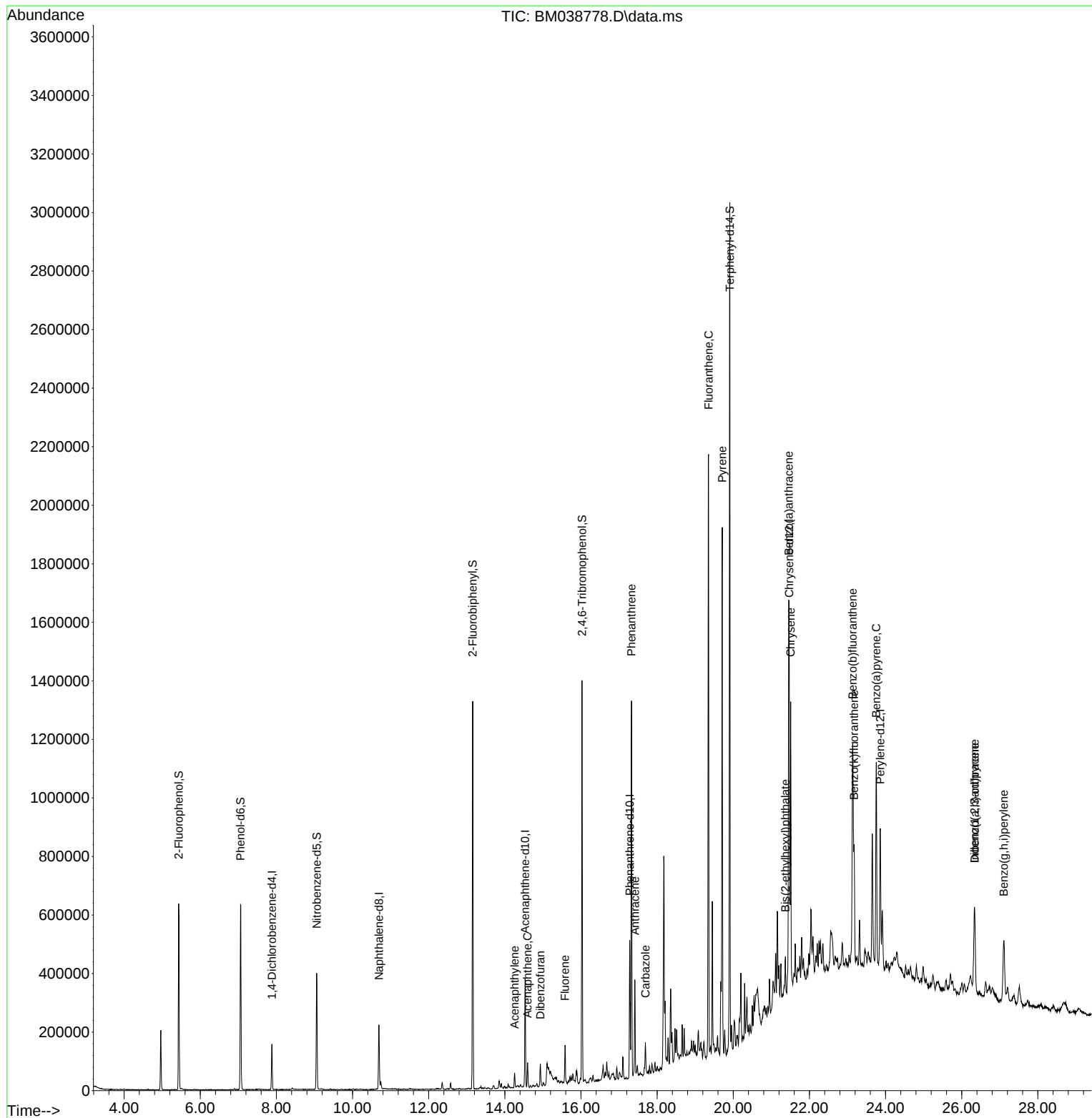
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
Data File : BM038778.D
Acq On : 17 Feb 2023 17:18
Operator : CG/JU
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ALS Vial : 7 Sample Multiplier: 1

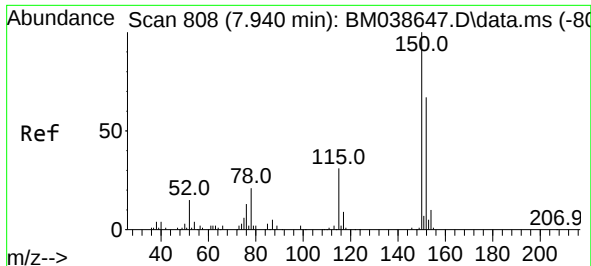
Instrument :
BNA_M
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SB-06-4.0-6.0

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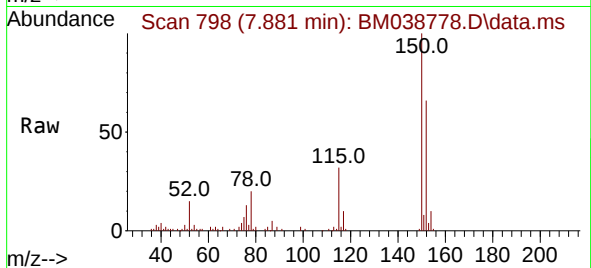
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 70
Delta R.T. -0.029 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

Instrument :

BNA_M

ClientSampleId :

SB-06-4.0-6.0



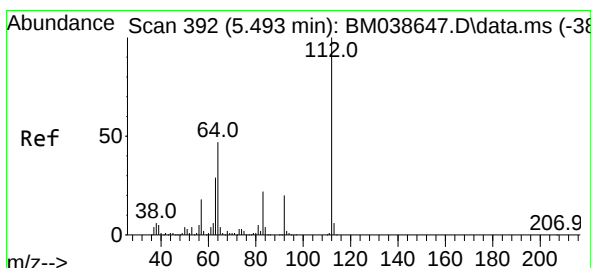
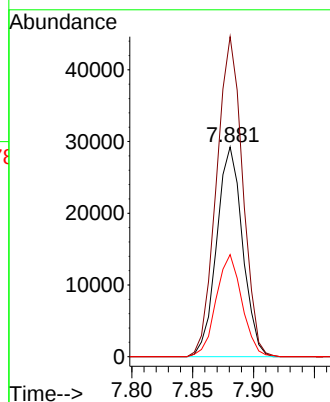
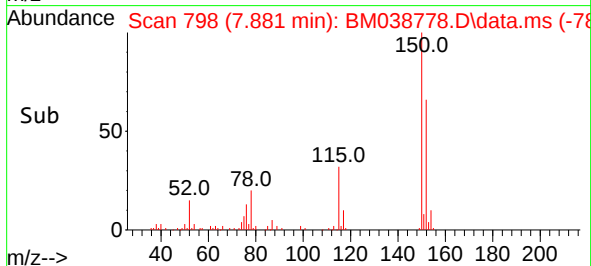
Tgt Ion:152 Resp: 4331
Ion Ratio Lower Upper
152 100
150 152.6 119.5 179.3
115 48.6 37.6 56.4

Manual Integrations

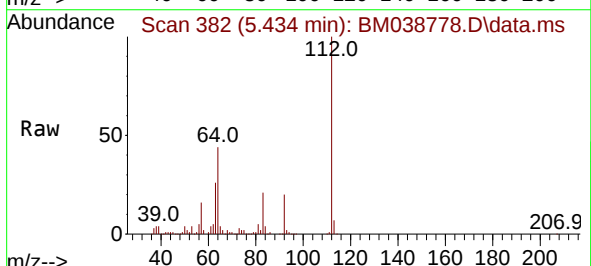
APPROVED

Reviewed By :Yogesh Patel 02/18/2023

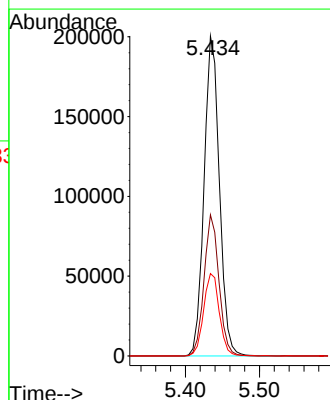
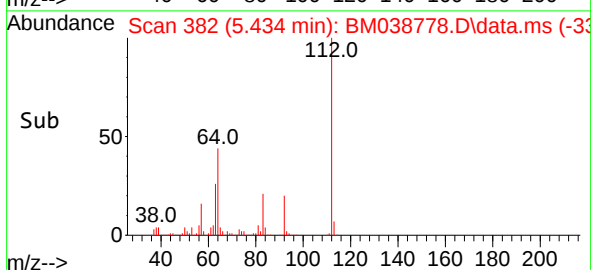
Supervised By :mohammad ahmed 02/20/2023

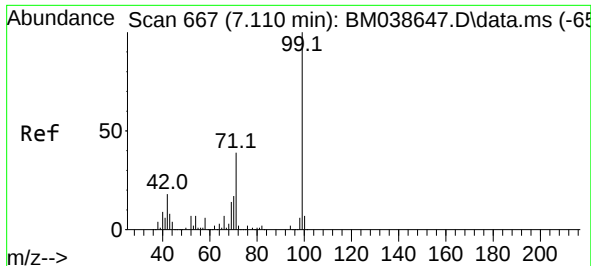


#5
2-Fluorophenol
Concen: 130.537 ng
RT: 5.434 min Scan# 382
Delta R.T. -0.029 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18



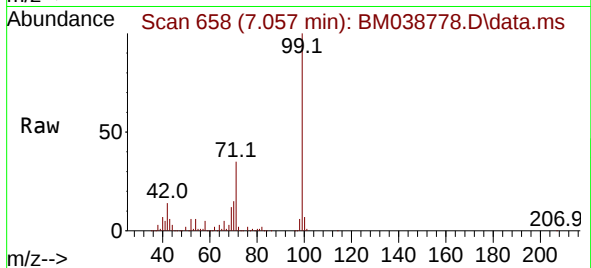
Tgt Ion:112 Resp: 288615
Ion Ratio Lower Upper
112 100
64 44.1 37.9 56.9
63 25.8 23.3 34.9





#7
Phenol-d6
Concen: 145.659 ng
RT: 7.057 min Scan# 61
Delta R.T. -0.029 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

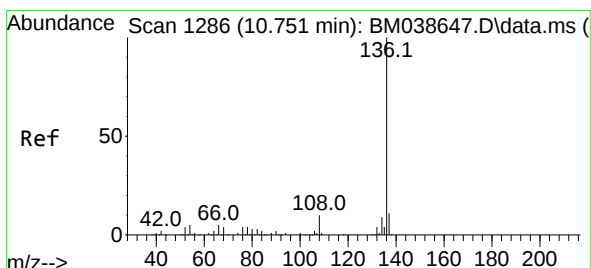
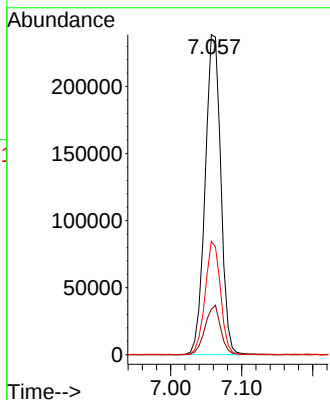
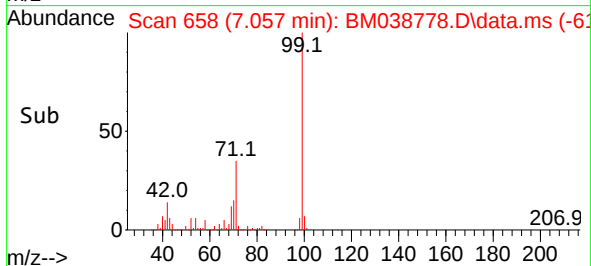
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BNA_M
ClientSampleId :
SB-06-4.0-6.0



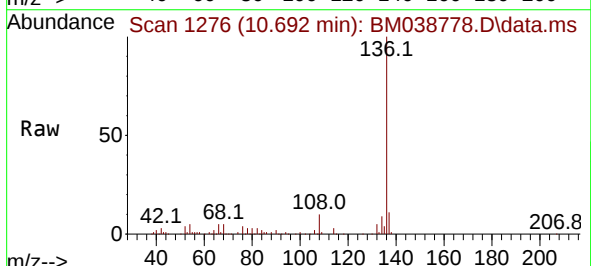
Tgt Ion: 99 Resp: 367305
Ion Ratio Lower Upper
99 100
42 14.2 14.6 22.0
71 35.4 31.0 46.4

Manual Integrations
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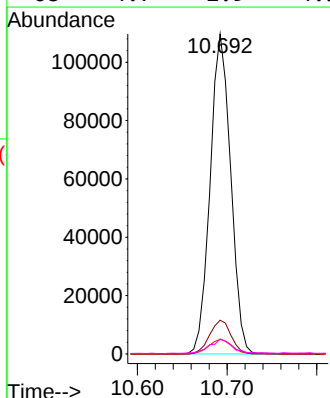
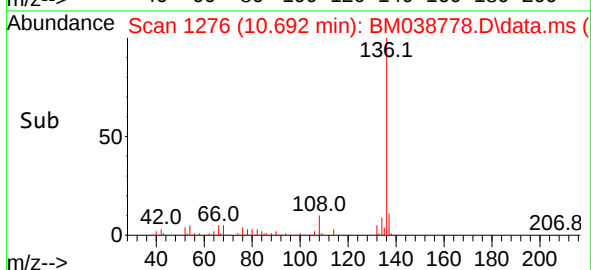
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

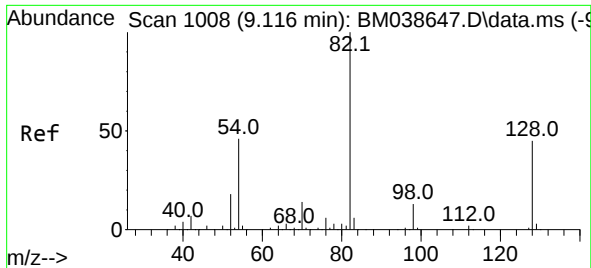


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.692 min Scan# 1276
Delta R.T. -0.029 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18



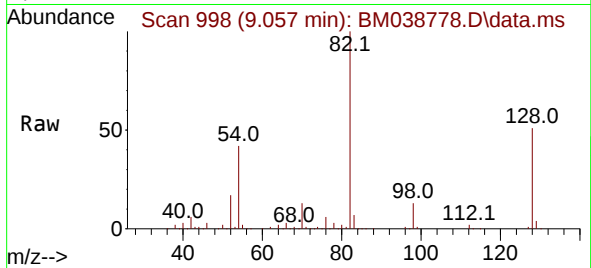
Tgt Ion:136 Resp: 174453
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 4.5 4.2 6.4
68 4.7 2.9 4.3





#23
Nitrobenzene-d5
Concen: 67.668 ng
RT: 9.057 min Scan# 91
Delta R.T. -0.035 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

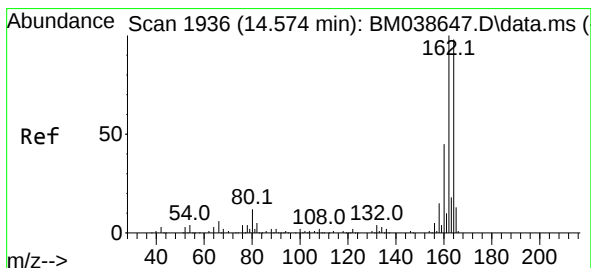
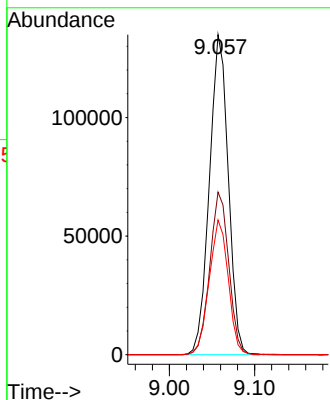
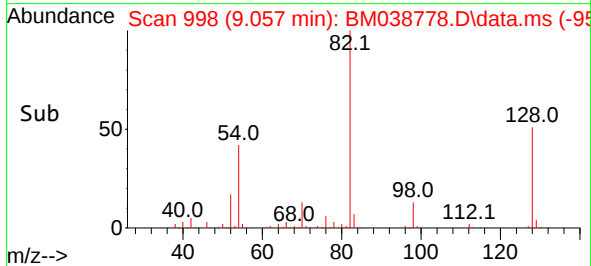
Instrument :
BNA_M
ClientSampleId :
SB-06-4.0-6.0



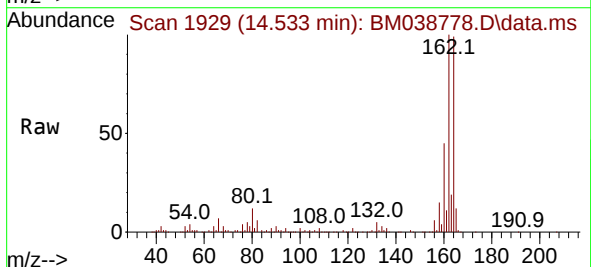
Tgt Ion: 82 Resp: 20783
Ion Ratio Lower Upper
82 100
128 50.8 36.0 54.0
54 42.1 36.8 55.2

Manual Integrations
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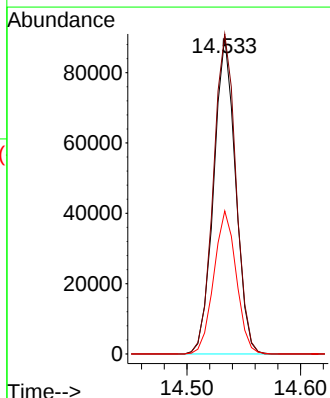
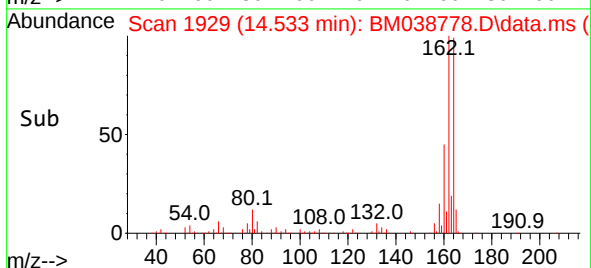
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

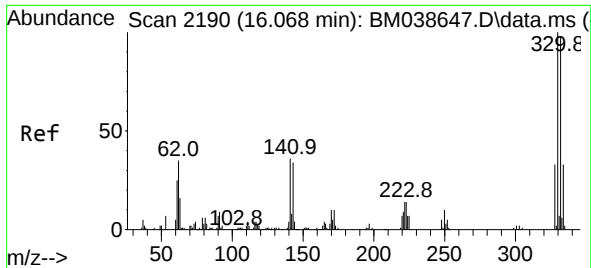


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1929
Delta R.T. -0.029 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18



Tgt Ion:164 Resp: 120116
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 45.0 36.5 54.7





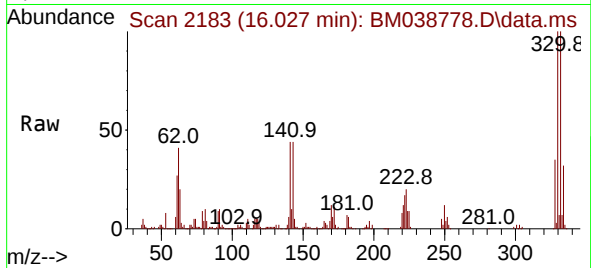
#42
2,4,6-Tribromophenol
Concen: 132.163 ng
RT: 16.027 min Scan# 2190
Delta R.T. -0.029 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

Instrument :

BNA_M

ClientSampleId :

SB-06-4.0-6.0



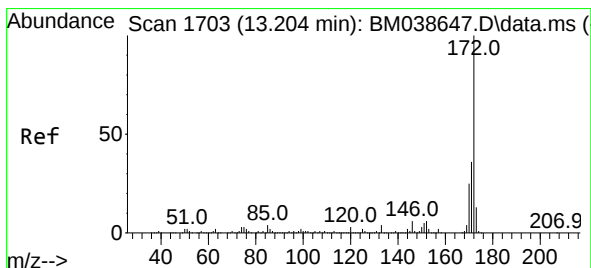
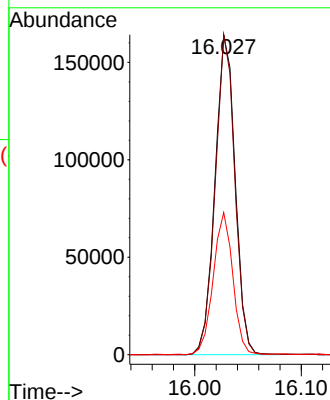
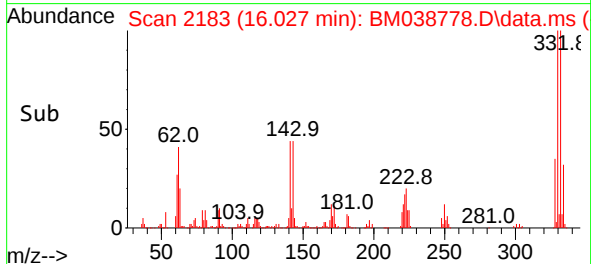
Tgt Ion:330 Resp: 215778
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.6
141 43.4 31.0 46.6

Manual Integrations

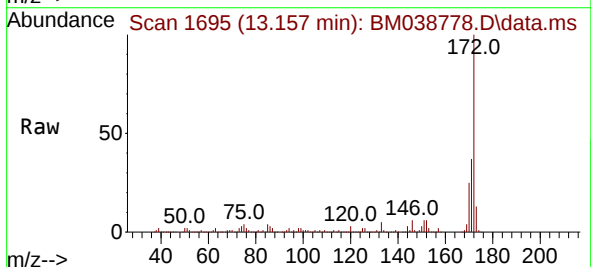
APPROVED

Reviewed By :Yogesh Patel 02/18/2023

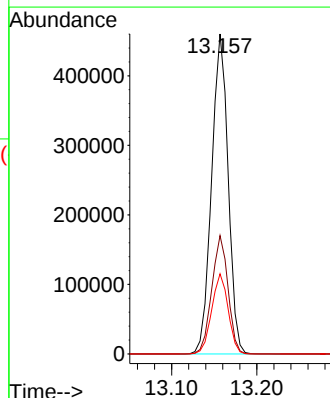
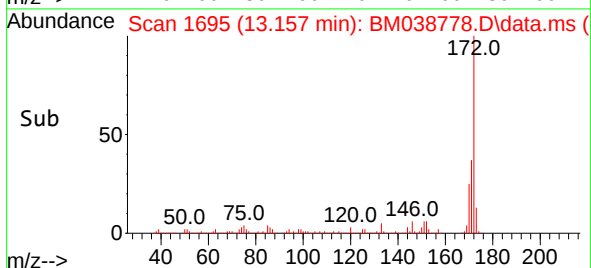
Supervised By :mohammad ahmed 02/20/2023

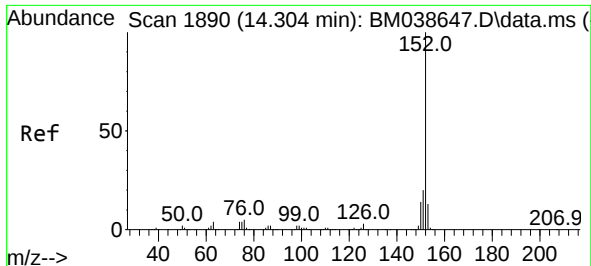


#45
2-Fluorobiphenyl
Concen: 65.678 ng
RT: 13.157 min Scan# 1695
Delta R.T. -0.029 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18



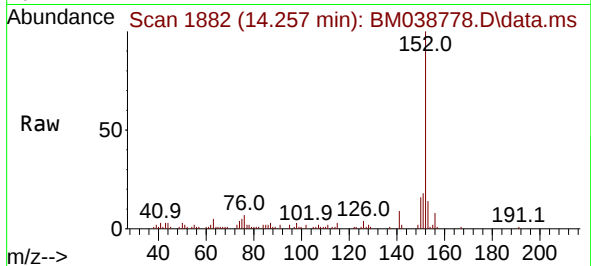
Tgt Ion:172 Resp: 619668
Ion Ratio Lower Upper
172 100
171 37.0 28.7 43.1
170 25.0 20.0 30.0





#49
Acenaphthylene
Concen: 2.549 ng
RT: 14.257 min Scan# 1890
Delta R.T. -0.029 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

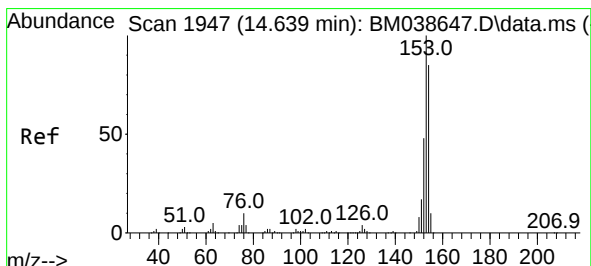
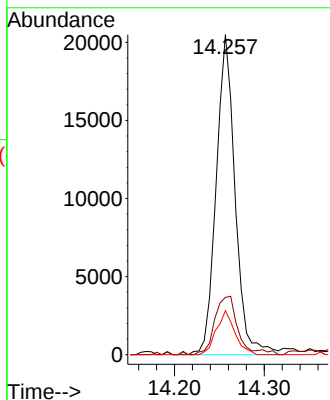
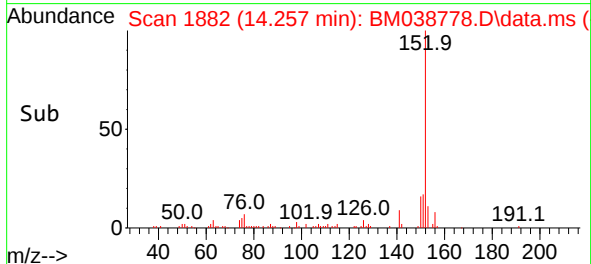
Instrument :
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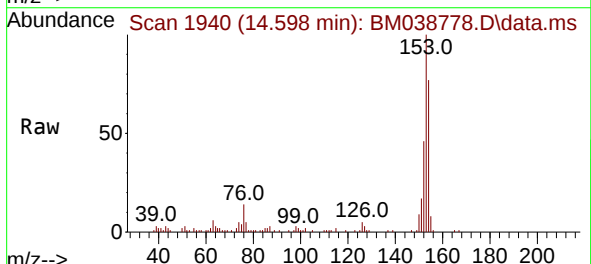
Tgt Ion:152 Resp: 30050
Ion Ratio Lower Upper
152 100
151 17.9 16.1 24.1
153 13.7 10.0 15.0

Manual Integrations
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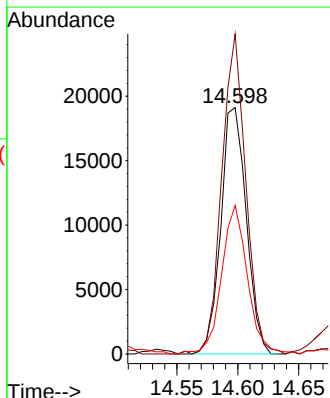
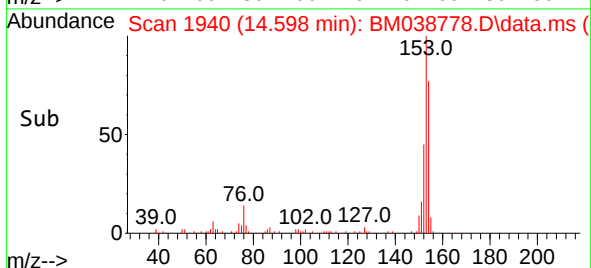
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

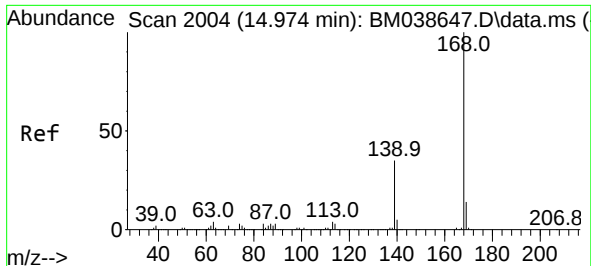


#52
Acenaphthene
Concen: 3.954 ng
RT: 14.598 min Scan# 1940
Delta R.T. -0.029 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18



Tgt Ion:154 Resp: 27845
Ion Ratio Lower Upper
154 100
153 129.9 93.7 140.5
152 60.3 44.6 67.0





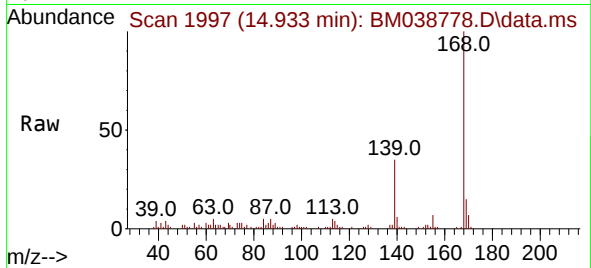
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Dibenzenofuran
Concen: 3.439 ng
RT: 14.933 min Scan# 1997
Delta R.T. -0.029 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

Instrument :

BNA_M

ClientSampleId :

SB-06-4.0-6.0

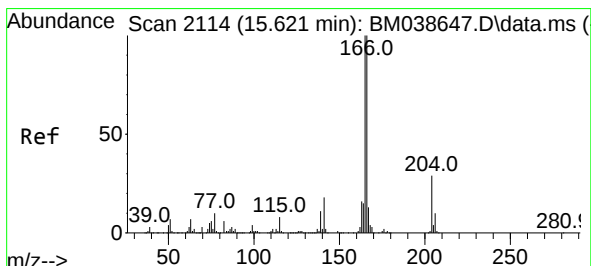
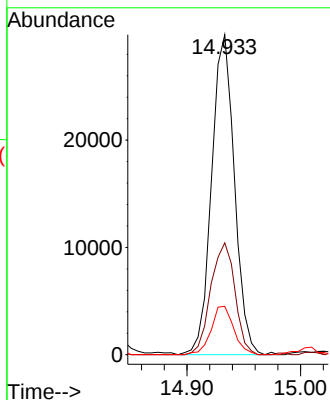
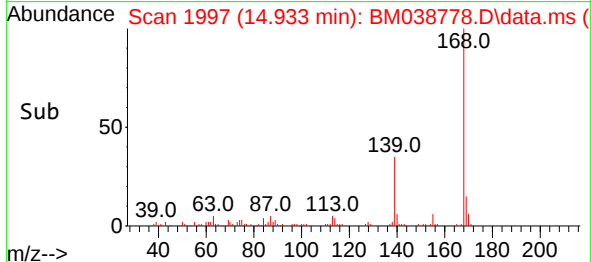


Tgt Ion:168 Resp: 41709
Ion Ratio Lower Upper
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139 35.0 27.8 41.6
169 15.1 10.9 16.3

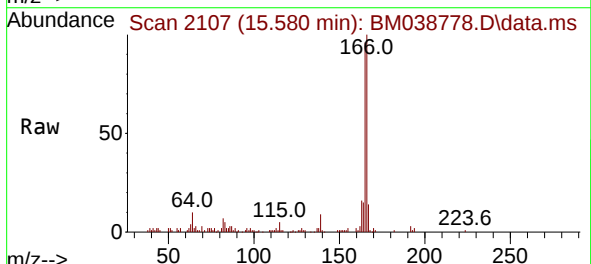
Manual Integrations

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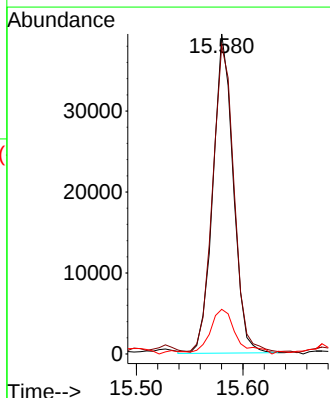
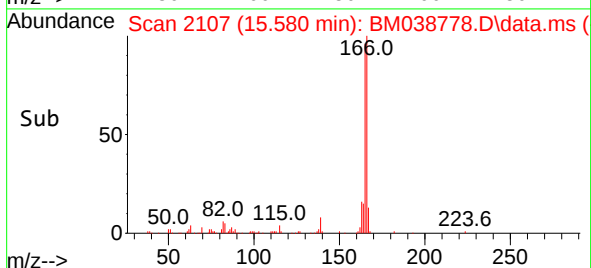
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

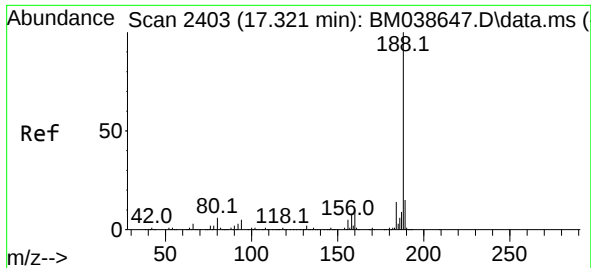


#58
Fluorene
Concen: 5.424 ng
RT: 15.580 min Scan# 2107
Delta R.T. -0.029 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18



Tgt Ion:166 Resp: 52039
Ion Ratio Lower Upper
166 100
165 96.5 80.2 120.4
167 14.0 10.7 16.1





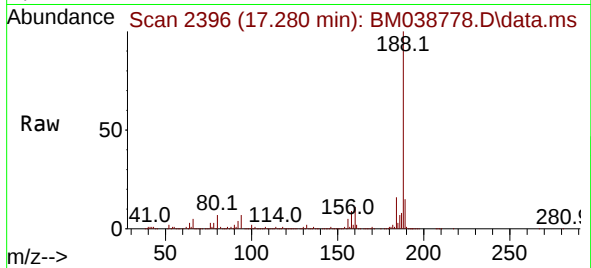
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Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 21
Delta R.T. -0.024 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

Instrument :

BNA_M

ClientSampleId :

SB-06-4.0-6.0

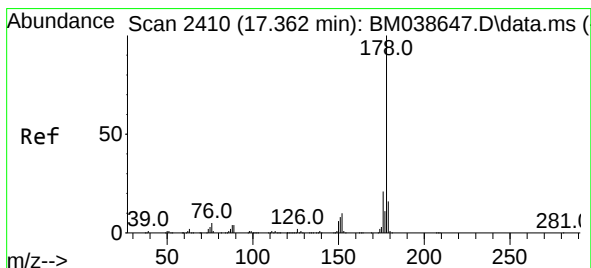
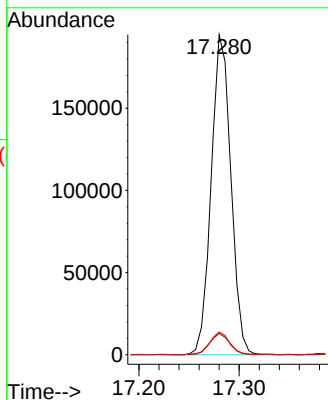
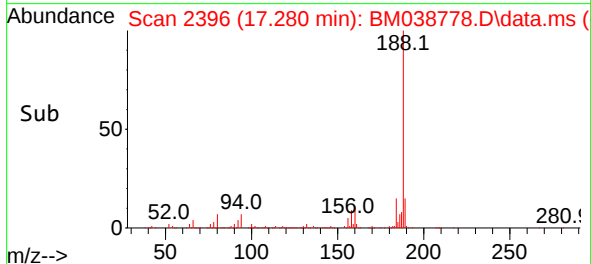


Tgt Ion:188 Resp: 265398
Ion Ratio Lower Upper
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80 7.1 4.6 7.0

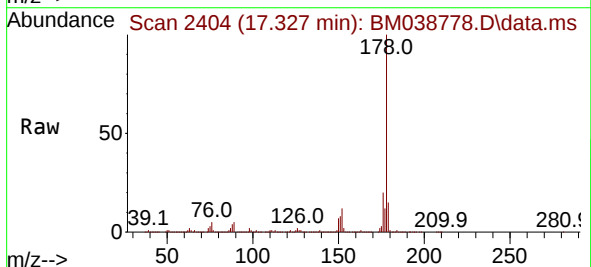
Manual Integrations

APPROVED

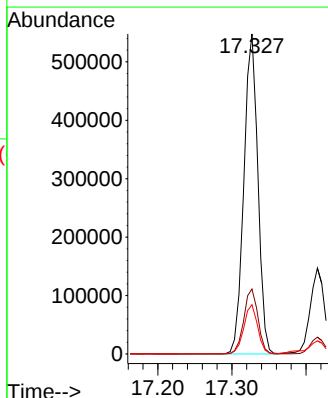
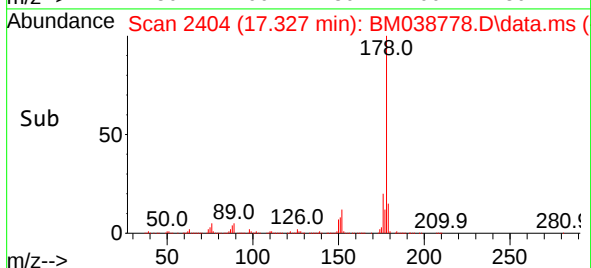
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

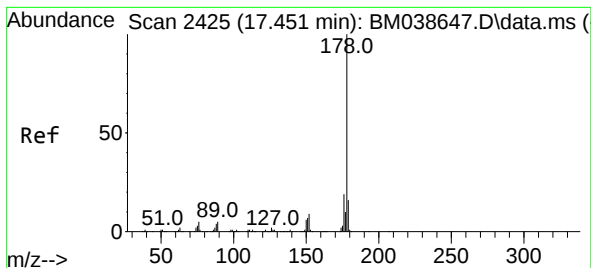


#71
Phenanthrene
Concen: 45.513 ng
RT: 17.327 min Scan# 2404
Delta R.T. -0.024 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18



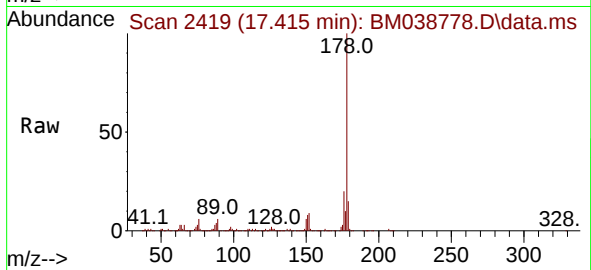
Tgt Ion:178 Resp: 717223
Ion Ratio Lower Upper
178 100
176 20.3 16.7 25.1
179 15.4 12.5 18.7





#72
 Anthracene
 Concen: 11.996 ng
 RT: 17.415 min Scan# 2419
 Delta R.T. -0.024 min
 Lab File: BM038778.D
 Acq: 17 Feb 2023 17:18

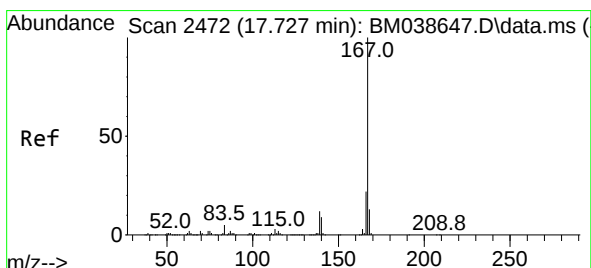
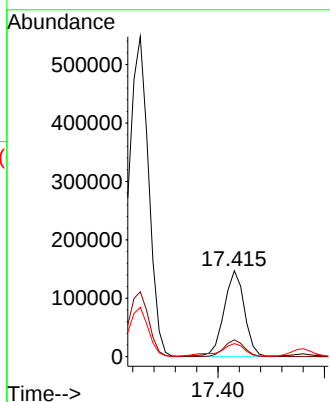
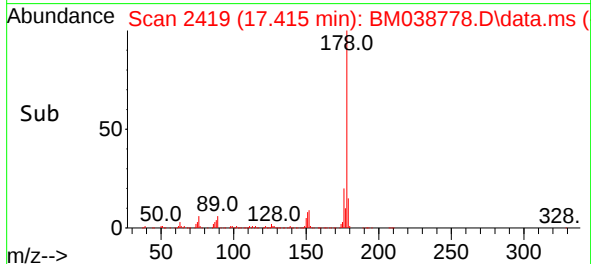
Instrument :
 BNA_M
 ClientSampleId :
 SB-06-4.0-6.0



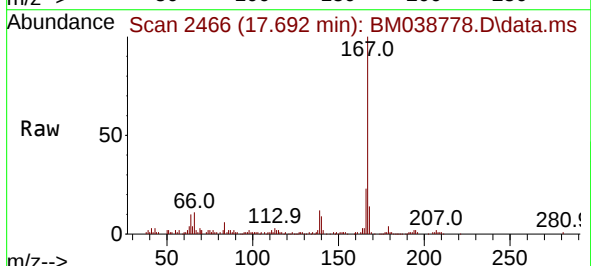
Tgt Ion:178 Resp: 193389
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.6 23.4
 179 15.2 12.4 18.6

Manual Integrations
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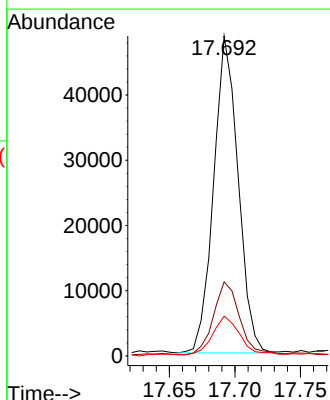
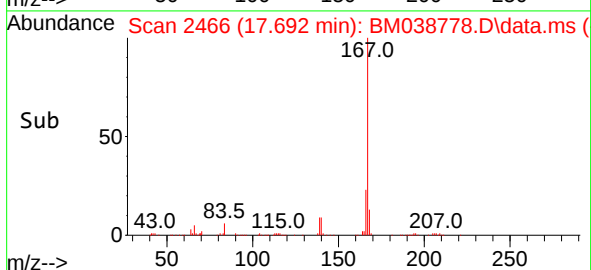
Reviewed By :Yogesh Patel 02/18/2023
 Supervised By :mohammad ahmed 02/20/2023

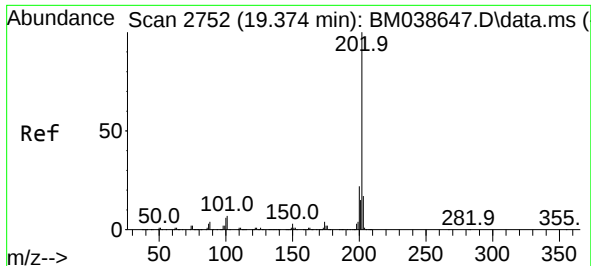


#73
 Carbazole
 Concen: 4.196 ng
 RT: 17.692 min Scan# 2466
 Delta R.T. -0.029 min
 Lab File: BM038778.D
 Acq: 17 Feb 2023 17:18



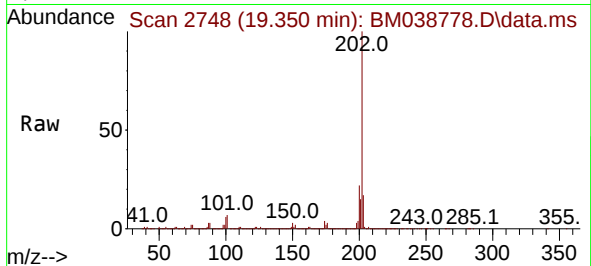
Tgt Ion:167 Resp: 63080
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.8 26.6
 139 12.5 9.4 14.2





#75
Fluoranthene
Concen: 67.130 ng
RT: 19.350 min Scan# 211071
Delta R.T. -0.012 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

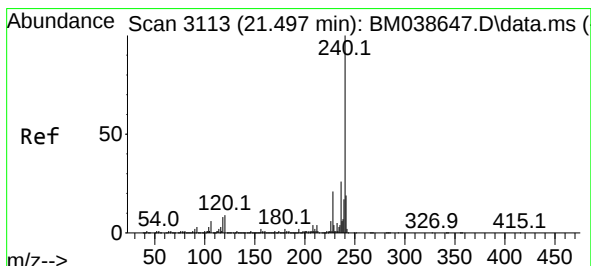
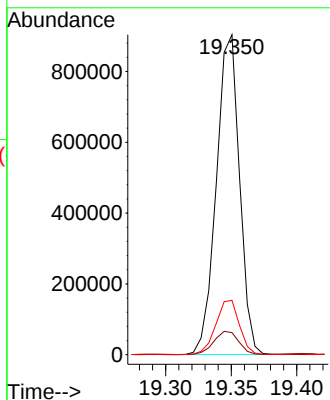
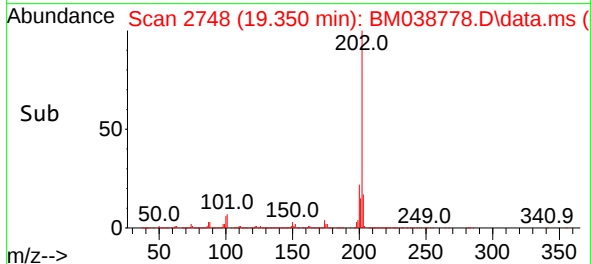
Instrument :
BNA_M
ClientSampleId :
SB-06-4.0-6.0



Tgt Ion:202 Resp: 111071
Ion Ratio Lower Upper
202 100
101 6.9 0.0 27.4
203 17.0 0.0 37.3

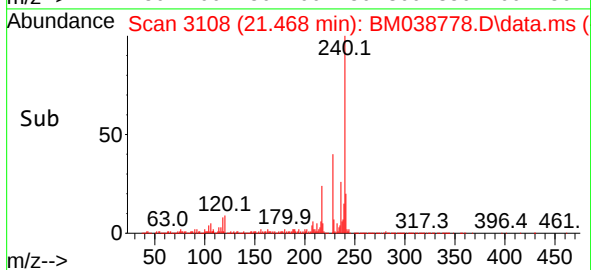
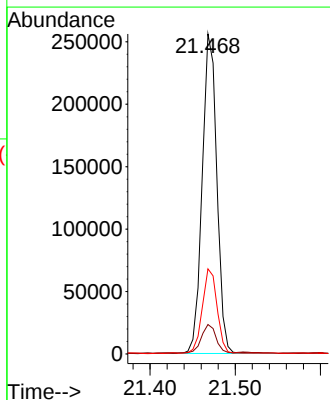
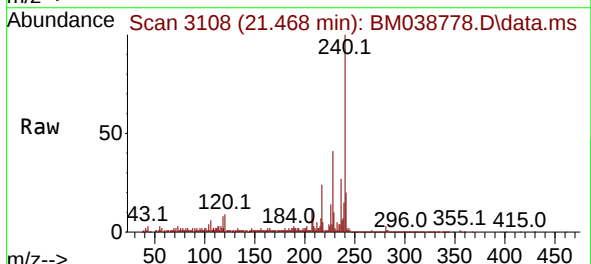
Manual Integrations
APPROVED

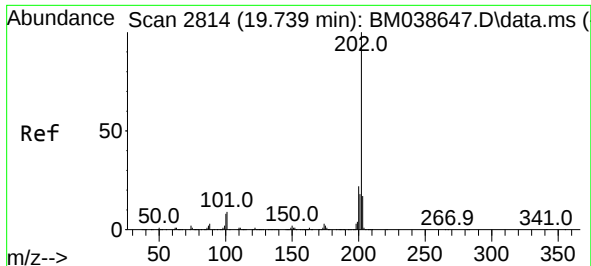
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.468 min Scan# 3108
Delta R.T. -0.024 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

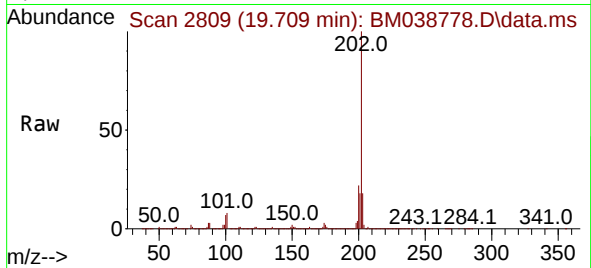
Tgt Ion:240 Resp: 305704
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.4
236 26.6 20.9 31.3





#78
 Pyrene
 Concen: 42.138 ng
 RT: 19.709 min Scan# 2814
 Delta R.T. -0.018 min
 Lab File: BM038778.D
 Acq: 17 Feb 2023 17:18

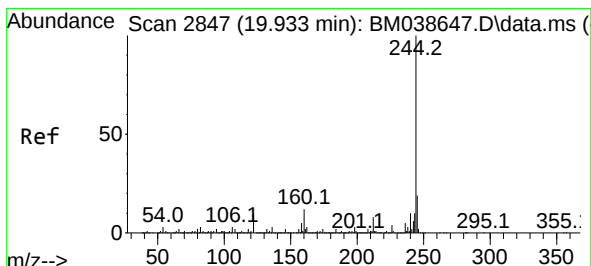
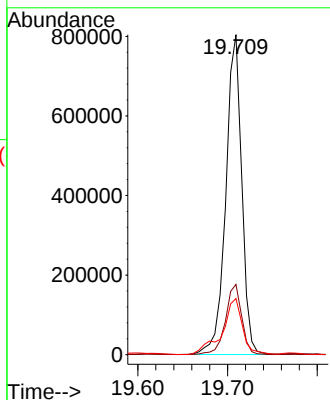
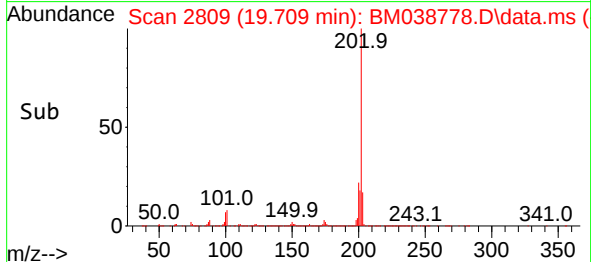
Instrument :
 BNA_M
 ClientSampleId :
 SB-06-4.0-6.0



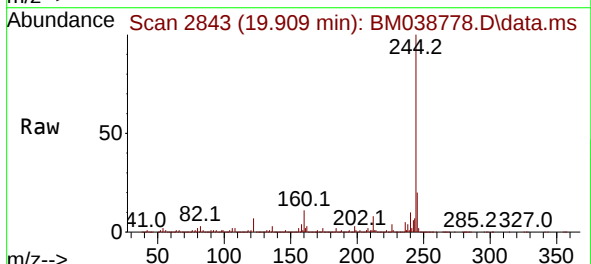
Tgt Ion:202 Resp: 991784
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.8 26.6
 203 17.6 13.5 20.3

Manual Integrations
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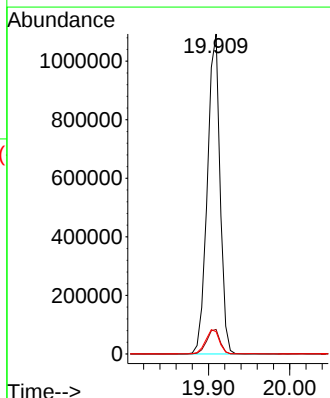
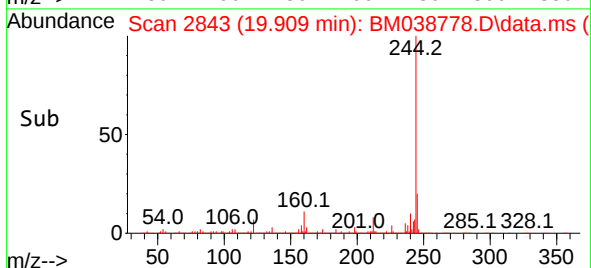
Reviewed By :Yogesh Patel 02/18/2023
 Supervised By :mohammad ahmed 02/20/2023

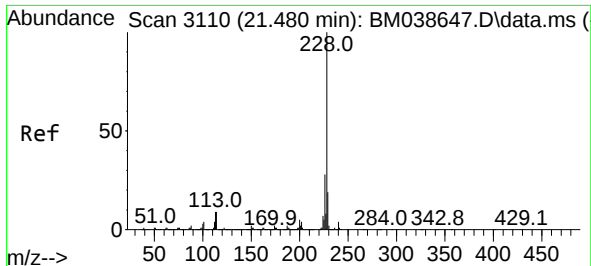


#79
 Terphenyl-d14
 Concen: 68.237 ng
 RT: 19.909 min Scan# 2843
 Delta R.T. -0.018 min
 Lab File: BM038778.D
 Acq: 17 Feb 2023 17:18



Tgt Ion:244 Resp: 1182104
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.6 9.8
 122 7.0 7.8 11.8#





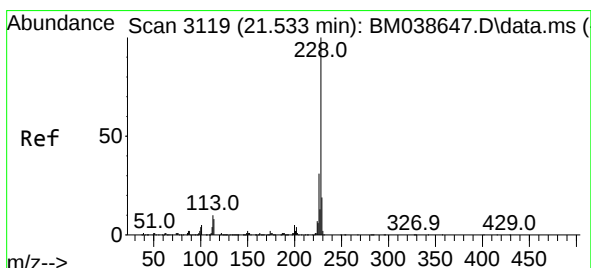
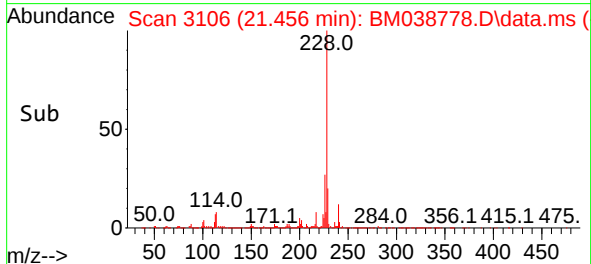
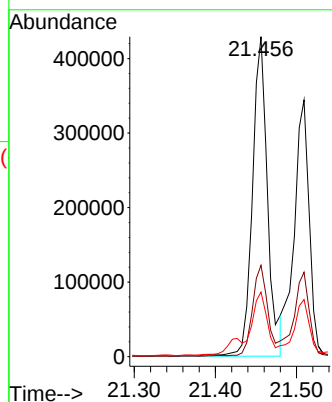
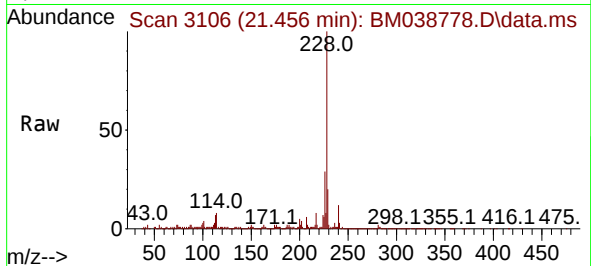
#81
Benzo(a)anthracene
Concen: 25.645 ng
RT: 21.456 min Scan# 3110
Delta R.T. -0.018 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

Instrument :
BNA_M
ClientSampleId :
SB-06-4.0-6.0

Tgt Ion:228 Resp: 554564
Ion Ratio Lower Upper
228 100
226 28.6 22.2 33.4
229 20.2 15.5 23.3

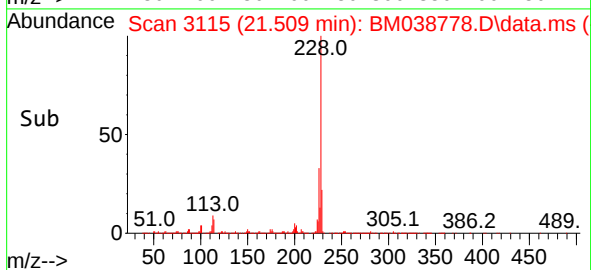
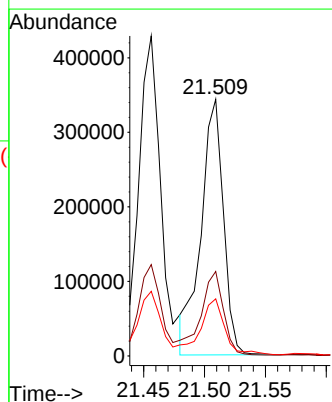
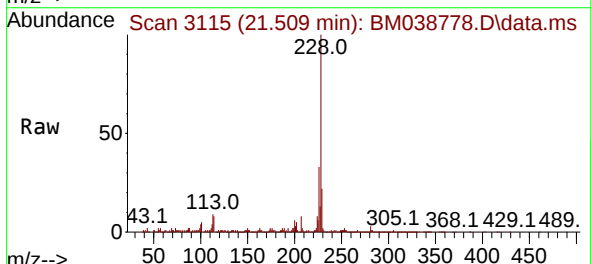
Manual Integrations
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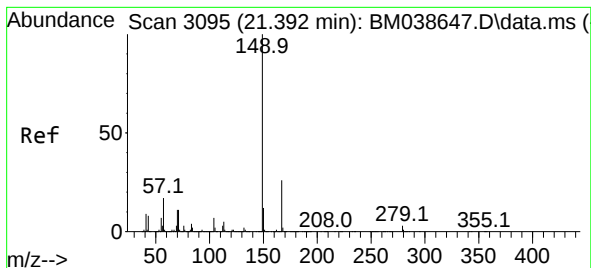
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#83
Chrysene
Concen: 21.104 ng
RT: 21.509 min Scan# 3115
Delta R.T. -0.018 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

Tgt Ion:228 Resp: 439714
Ion Ratio Lower Upper
228 100
226 32.9 24.7 37.1
229 22.3 15.5 23.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.912 ng

RT: 21.368 min Scan# 3095

Delta R.T. -0.018 min

Lab File: BM038778.D

Acq: 17 Feb 2023 17:18

Instrument :

BNA_M

ClientSampleId :

SB-06-4.0-6.0

Tgt Ion:149 Resp: 42515

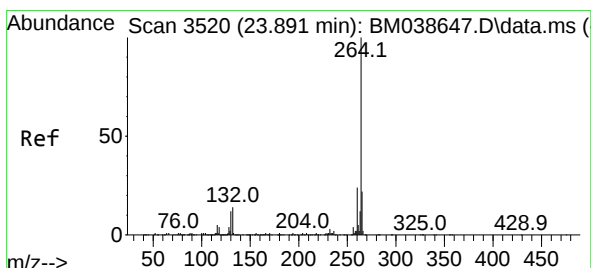
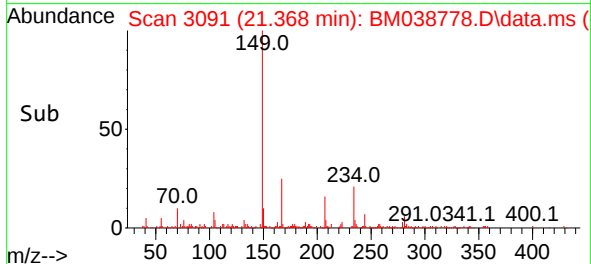
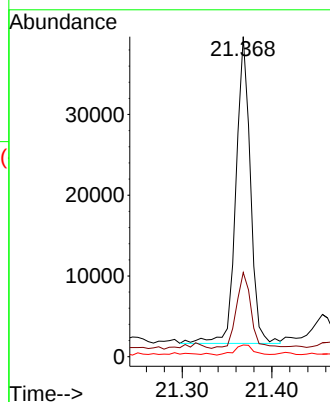
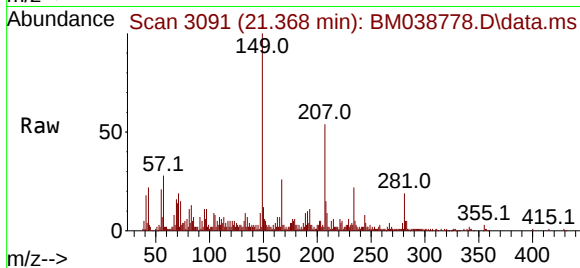
Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.8	31.2
279	3.6	2.5	3.7

Manual Integrations

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Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.862 min Scan# 3515

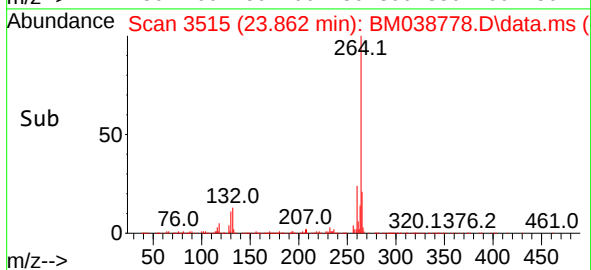
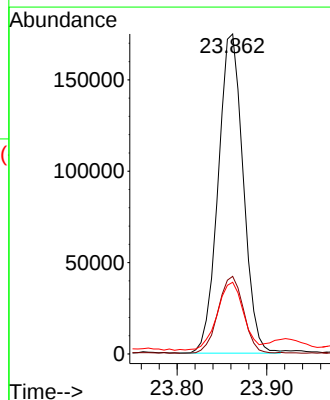
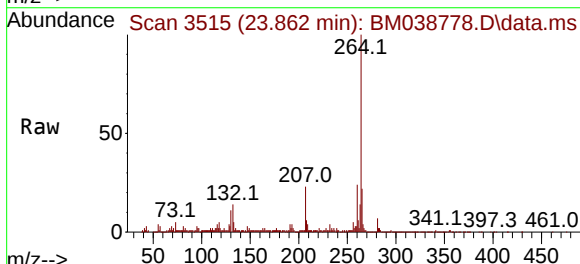
Delta R.T. -0.012 min

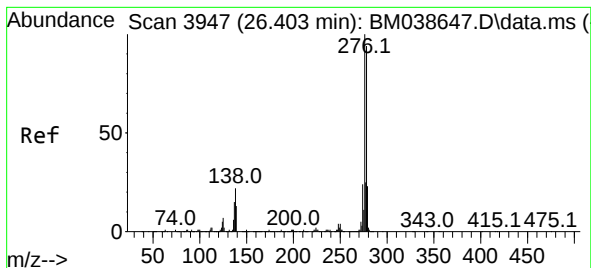
Lab File: BM038778.D

Acq: 17 Feb 2023 17:18

Tgt Ion:264 Resp: 338149

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	22.4	17.9	26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.417 ng

RT: 26.338 min Scan# 3396

Delta R.T. -0.041 min

Lab File: BM038778.D

Acq: 17 Feb 2023 17:18

Instrument :

BNA_M

ClientSampleId :

SB-06-4.0-6.0

Tgt Ion:276 Resp: 277450

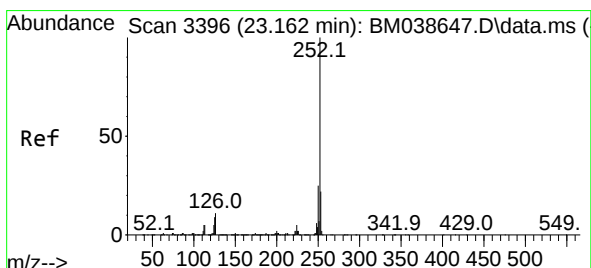
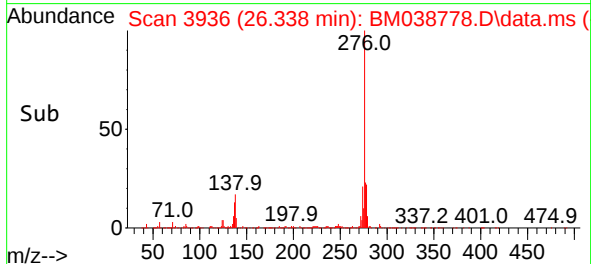
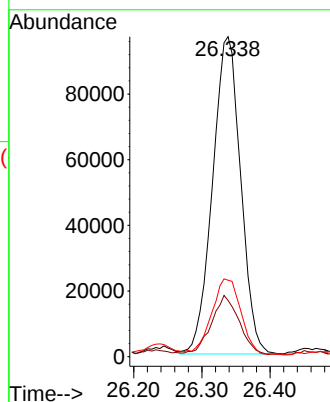
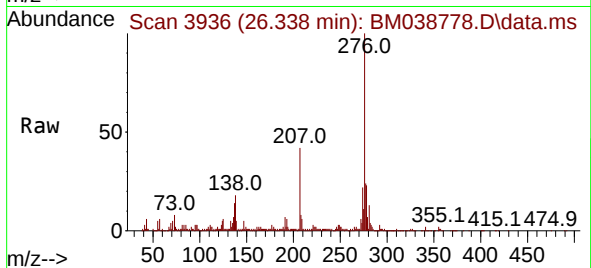
Ion	Ratio	Lower	Upper
276	100		
138	18.3	17.2	25.8
277	25.1	20.2	30.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#88

Benzo(b)fluoranthene

Concen: 30.938 ng

RT: 23.133 min Scan# 3391

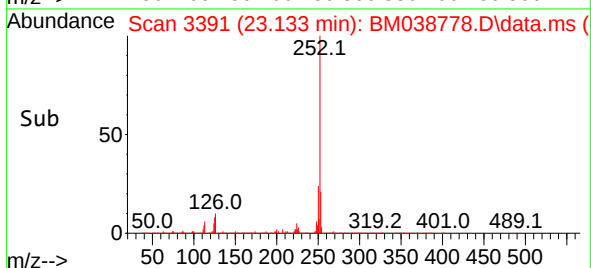
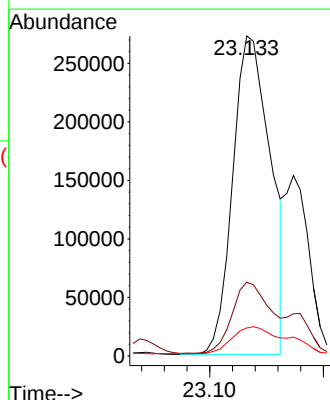
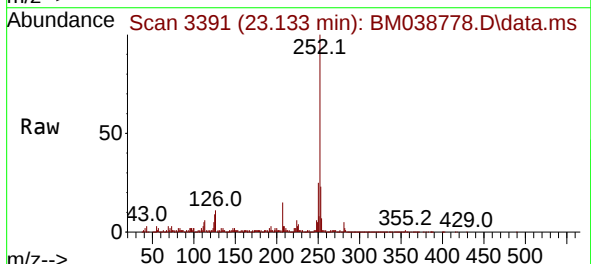
Delta R.T. -0.018 min

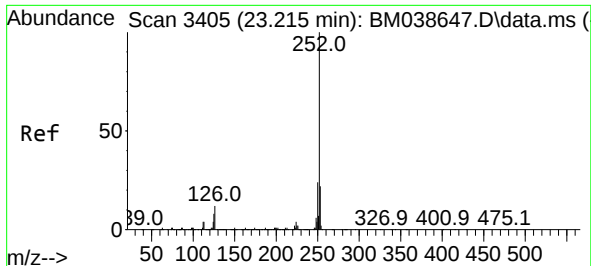
Lab File: BM038778.D

Acq: 17 Feb 2023 17:18

Tgt Ion:252 Resp: 626608

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	8.8	7.0	10.6





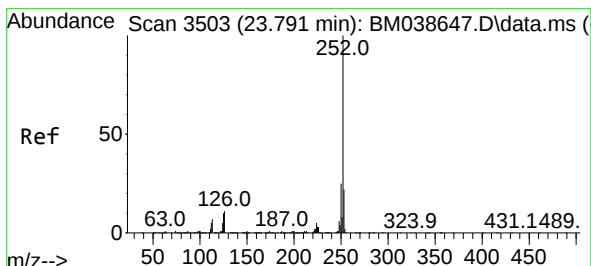
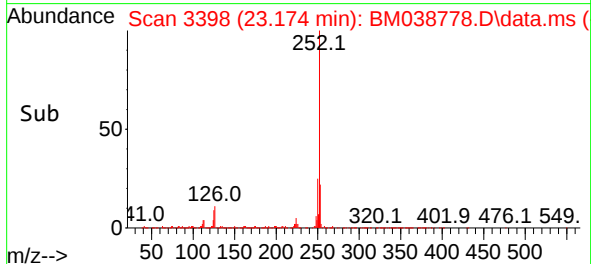
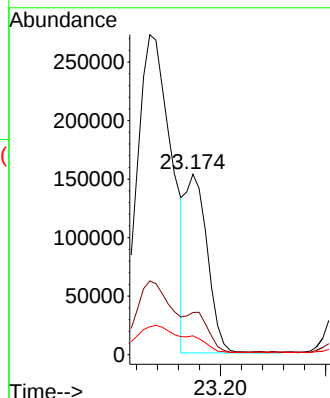
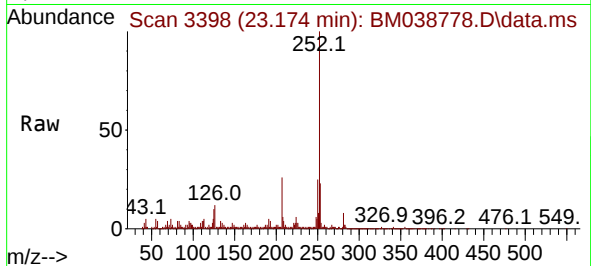
#89
Benzo(k)fluoranthene
Concen: 10.802 ng m
RT: 23.174 min Scan# 31
Delta R.T. -0.024 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

Instrument :
BNA_M
ClientSampleId :
SB-06-4.0-6.0

Tgt Ion:252 Resp: 22215
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 10.5 6.6 9.8

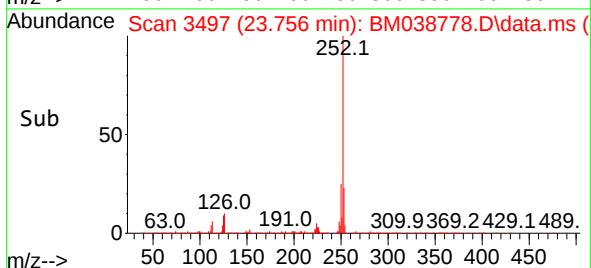
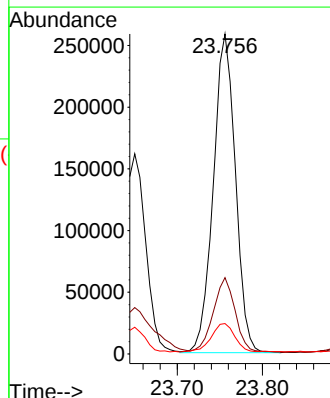
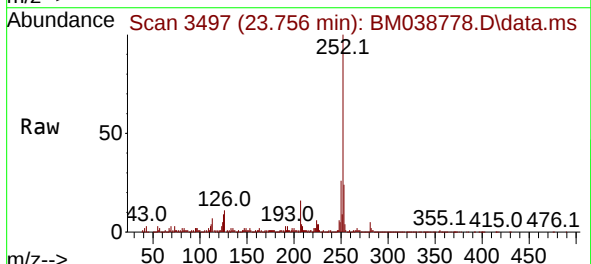
Manual Integrations
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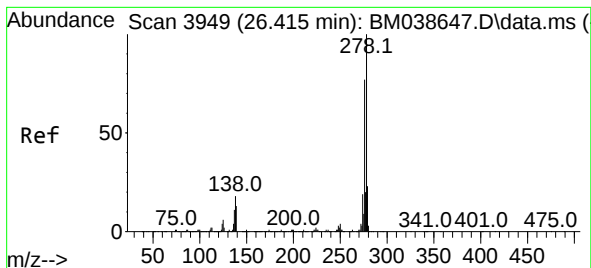
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#90
Benzo(a)pyrene
Concen: 23.249 ng
RT: 23.756 min Scan# 3497
Delta R.T. -0.018 min
Lab File: BM038778.D
Acq: 17 Feb 2023 17:18

Tgt Ion:252 Resp: 465656
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 9.5 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 3.495 ng m

RT: 26.338 min Scan# 3949

Delta R.T. -0.047 min

Lab File: BM038778.D

Acq: 17 Feb 2023 17:18

Instrument :

BNA_M

ClientSampleId :

SB-06-4.0-6.0

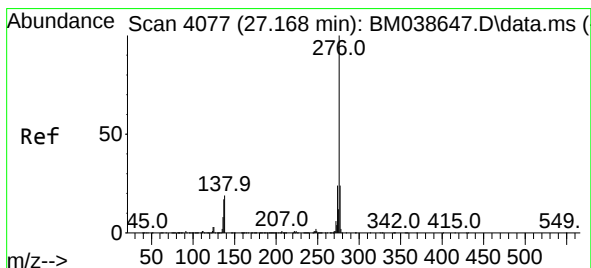
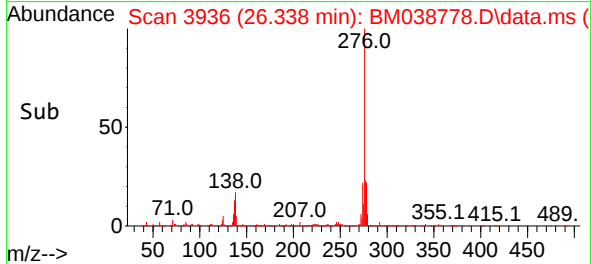
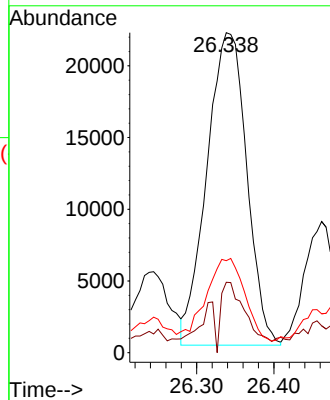
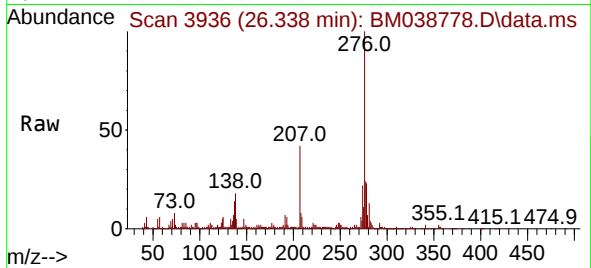
Tgt Ion:278 Resp: 78329
 Ion Ratio Lower Upper
 278 100
 139 22.0 10.5 15.7
 279 28.8 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#92

Benzo(g,h,i)perylene

Concen: 11.188 ng

RT: 27.103 min Scan# 4066

Delta R.T. -0.041 min

Lab File: BM038778.D

Acq: 17 Feb 2023 17:18

Tgt Ion:276 Resp: 253435
 Ion Ratio Lower Upper
 276 100
 277 23.0 19.1 28.7
 138 19.4 15.3 22.9

