

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
 Data File : BM038782.D
 Acq On : 17 Feb 2023 19:53
 Operator : CG/JU
 Sample : 01552-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-01-4.0-6.0-DUP

Manual Integrations
 APPROVED

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

Quant Time: Feb 17 23:24:07 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	57686	20.000	ng	-0.03
21) Naphthalene-d8	10.698	136	228524	20.000	ng	-0.02
39) Acenaphthene-d10	14.539	164	160831	20.000	ng	-0.02
64) Phenanthrene-d10	17.286	188	331798	20.000	ng	#-0.02
76) Chrysene-d12	21.474	240	279602	20.000	ng	-0.02
86) Perylene-d12	23.868	264	262629	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	310754	105.526	ng	-0.02
7) Phenol-d6	7.063	99	391908	116.687	ng	-0.02
23) Nitrobenzene-d5	9.063	82	233685	58.083	ng	-0.03
42) 2,4,6-Tribromophenol	16.033	330	242084	110.740	ng	-0.02
45) 2-Fluorobiphenyl	13.157	172	700319	55.436	ng	-0.03
79) Terphenyl-d14	19.909	244	1274103	80.413	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.745	128	27138	2.314	ng	# 81
49) Acenaphthylene	14.263	152	166333	10.534	ng	98
52) Acenaphthene	14.598	154	20652	2.190	ng	98
58) Fluorene	15.586	166	49028	3.816	ng	98
71) Phenanthrene	17.333	178	820988	41.672	ng	100
72) Anthracene	17.421	178	167966	8.334	ng	99
73) Carbazole	17.698	167	44500	2.367	ng	# 91
75) Fluoranthene	19.351	202	1085614	52.483	ng	99
78) Pyrene	19.709	202	1141951	53.048	ng	99
81) Benzo(a)anthracene	21.456	228	502968	25.430	ng	96
83) Chrysene	21.509	228	463217	24.308	ng	97
84) Bis(2-ethylhexyl)phtha...	21.368	149	36025	3.734	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.344	276	240680	11.635	ng	97
88) Benzo(b)fluoranthene	23.139	252	488130	31.031	ng	97
89) Benzo(k)fluoranthene	23.180	252	164768m	10.315	ng	
90) Benzo(a)pyrene	23.762	252	372407	23.940	ng	98
91) Dibenzo(a,h)anthracene	26.344	278	69970	4.020	ng	# 91
92) Benzo(g,h,i)perylene	27.115	276	253589	14.414	ng	98

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

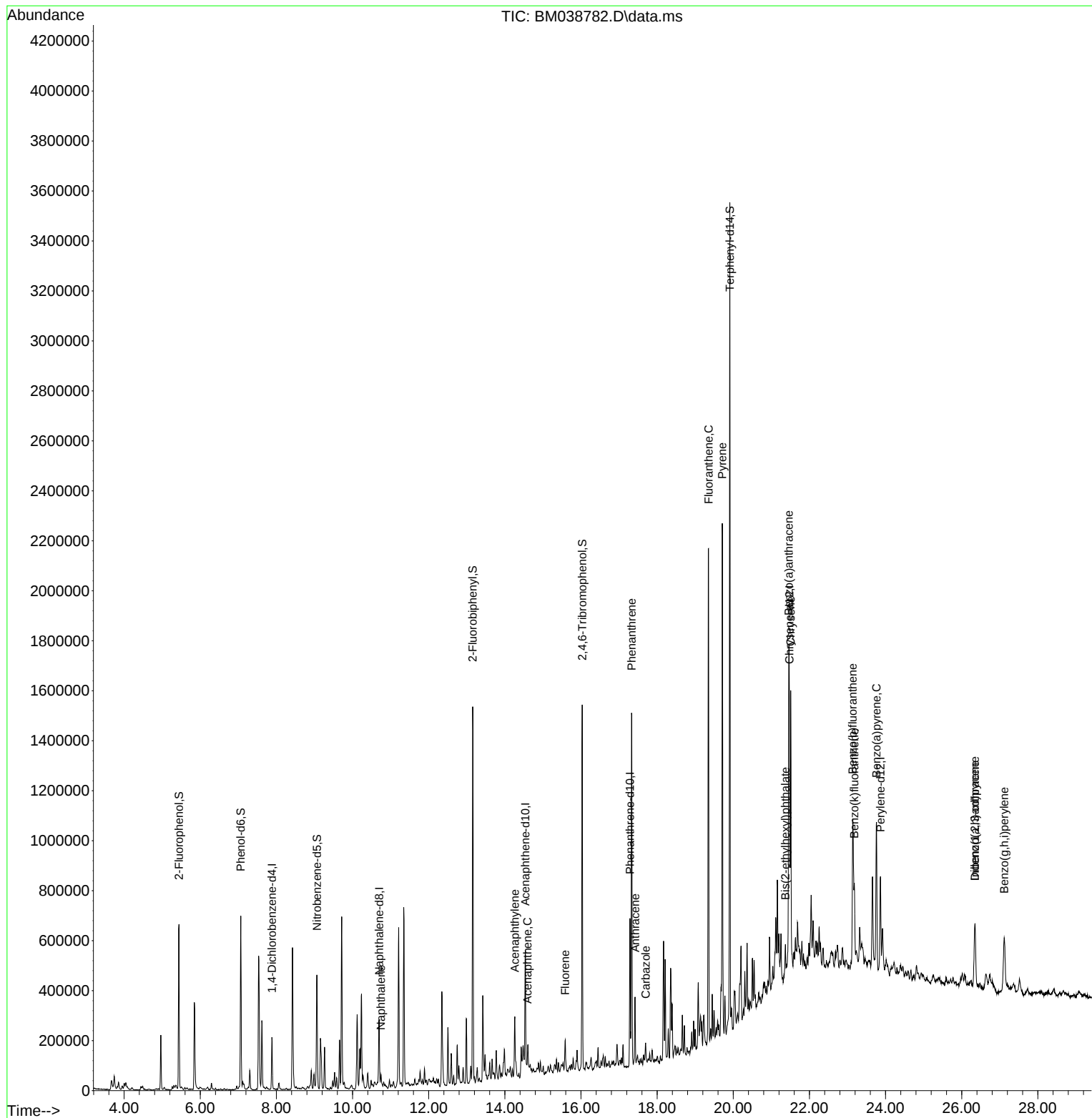
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
Data File : BM038782.D
Acq On : 17 Feb 2023 19:53
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

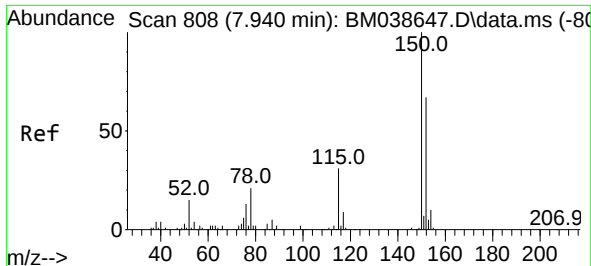
Instrument :
BNA_M
ClientSampleId :
SB-01-4.0-6.0-DUP

Quant Time: Feb 17 23:24:07 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

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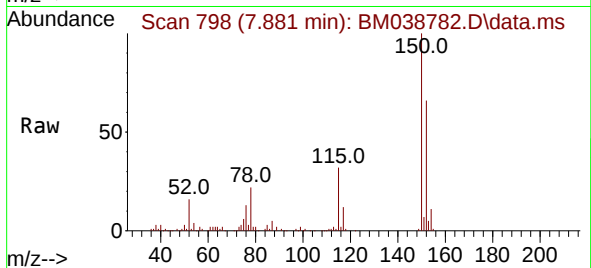
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 79
Delta R.T. -0.029 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

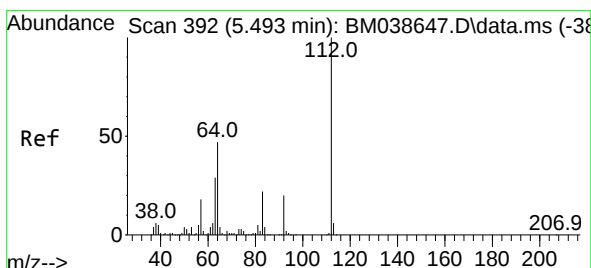
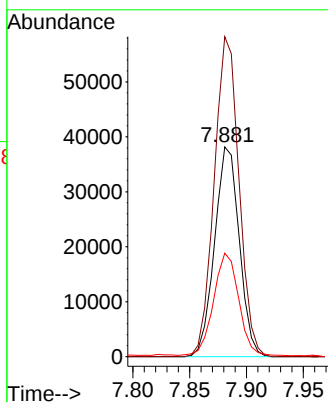
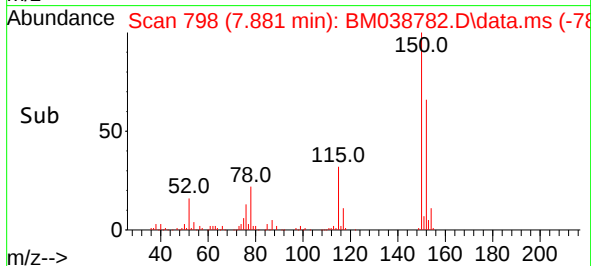
Instrument :
BNA_M
ClientSampleId :
SB-01-4.0-6.0-DUP



Tgt Ion:152 Resp: 5768
Ion Ratio Lower Upper
152 100
150 152.5 119.5 179.3
115 49.4 37.6 56.4

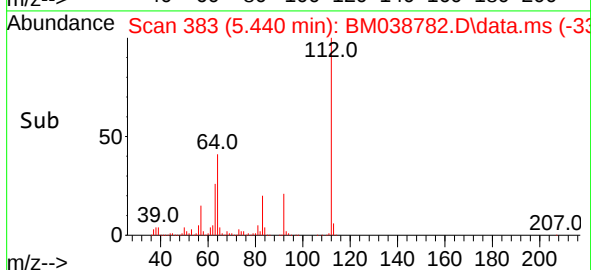
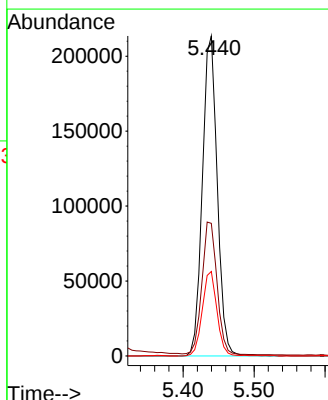
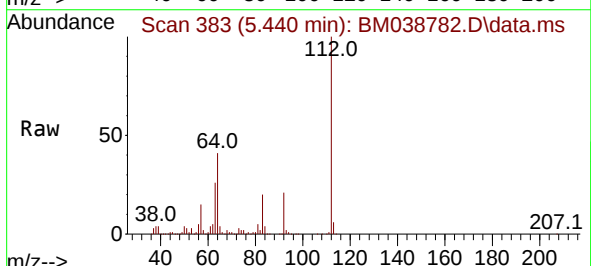
Manual Integrations
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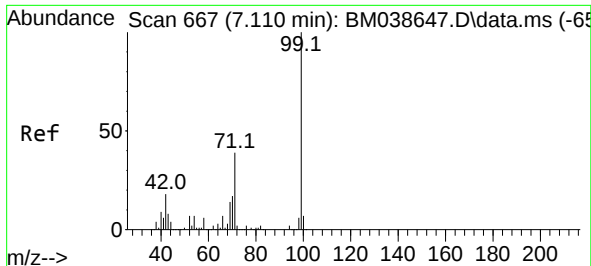
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#5
2-Fluorophenol
Concen: 105.526 ng
RT: 5.440 min Scan# 383
Delta R.T. -0.023 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

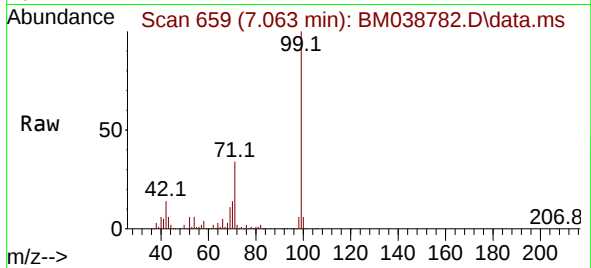
Tgt Ion:112 Resp: 310754
Ion Ratio Lower Upper
112 100
64 41.5 37.9 56.9
63 26.4 23.3 34.9





#7
Phenol-d6
Concen: 116.687 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.023 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

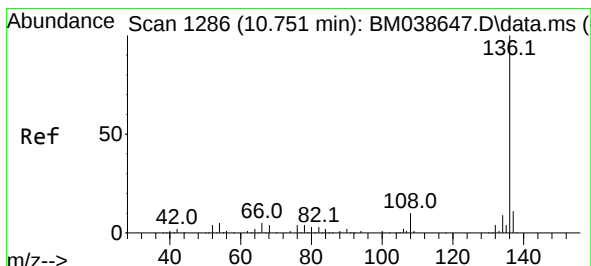
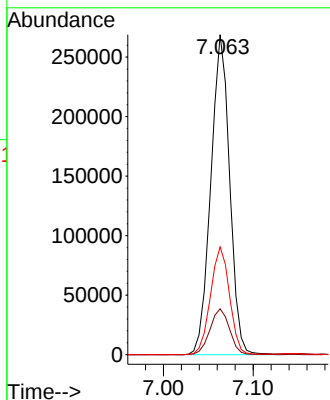
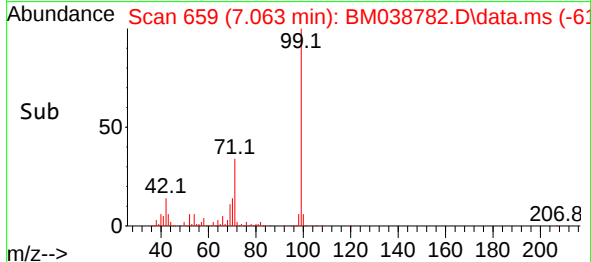
Instrument :
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ClientSampleId :
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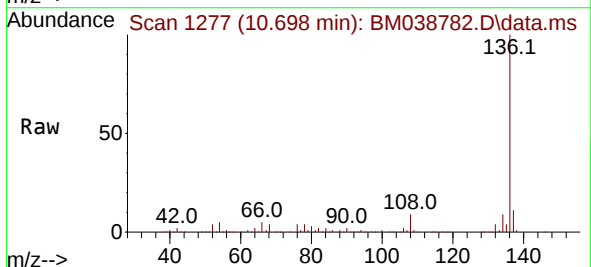
Tgt Ion: 99 Resp: 391908
Ion Ratio Lower Upper
99 100
42 14.3 14.6 22.0
71 33.7 31.0 46.4

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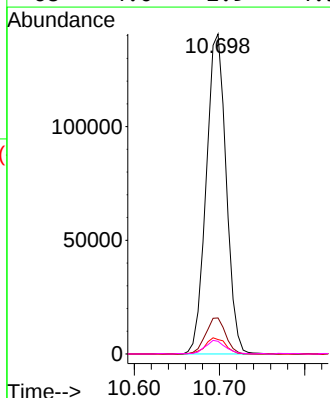
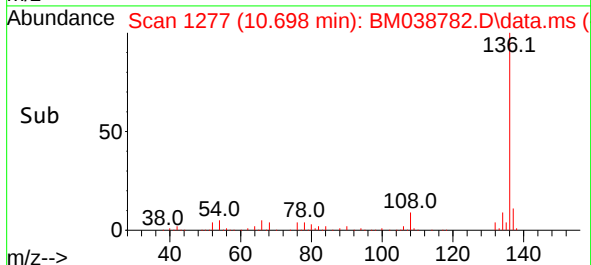
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

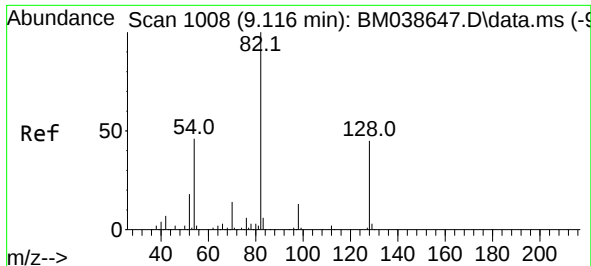


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1277
Delta R.T. -0.023 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53



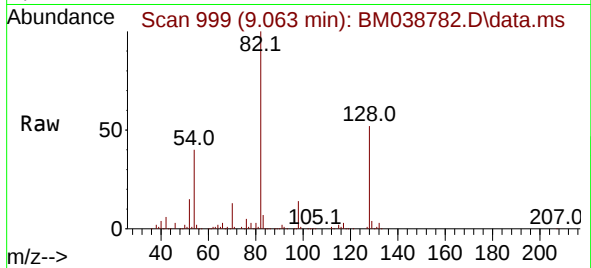
Tgt Ion:136 Resp: 228524
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 4.5 4.2 6.4
68 4.0 2.9 4.3





#23
Nitrobenzene-d5
Concen: 58.083 ng
RT: 9.063 min Scan# 91
Delta R.T. -0.029 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

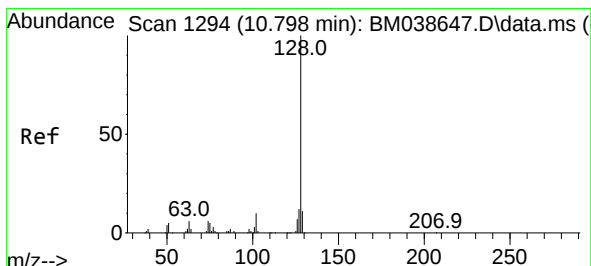
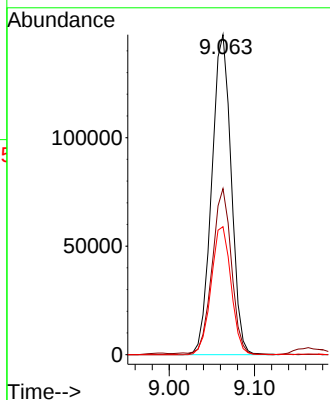
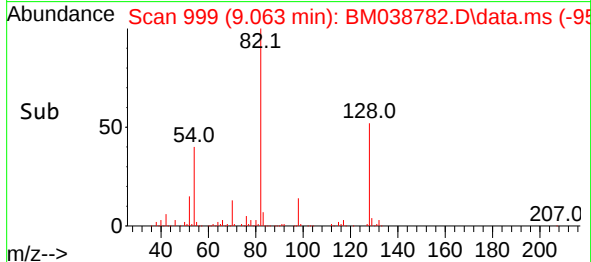
Instrument :
BNA_M
ClientSampleId :
SB-01-4.0-6.0-DUP



Tgt Ion: 82 Resp: 23368
Ion Ratio Lower Upper
82 100
128 51.9 36.0 54.0
54 40.0 36.8 55.2

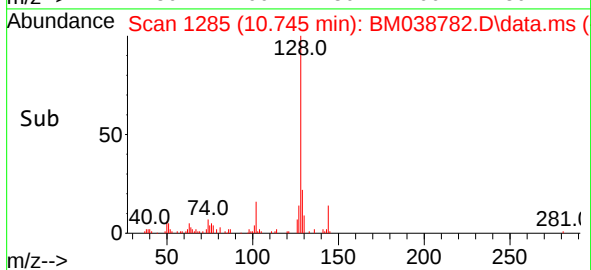
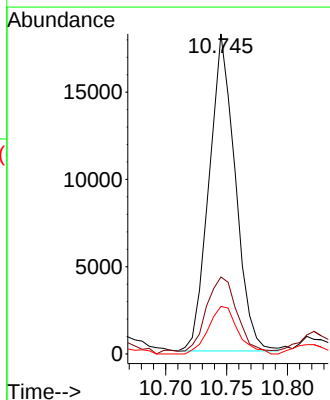
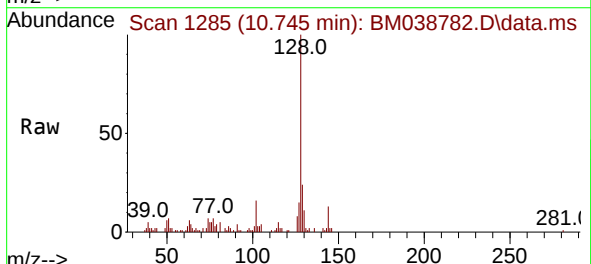
Manual Integrations
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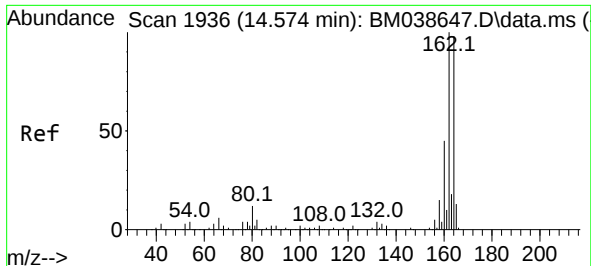
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#31
Naphthalene
Concen: 2.314 ng
RT: 10.745 min Scan# 1285
Delta R.T. -0.029 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

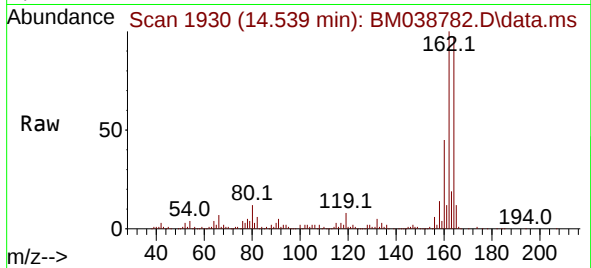
Tgt Ion:128 Resp: 27138
Ion Ratio Lower Upper
128 100
129 24.1 9.1 13.7#
127 14.9 9.9 14.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1936
Delta R.T. -0.023 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

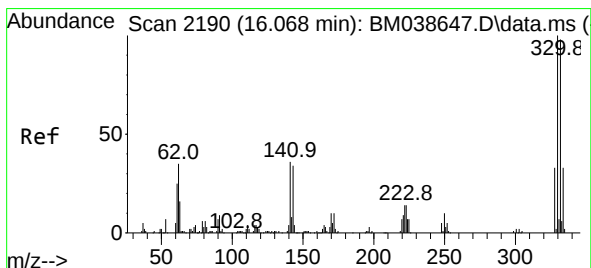
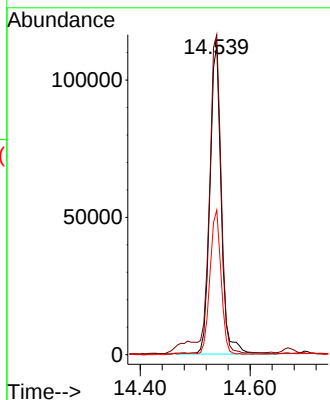
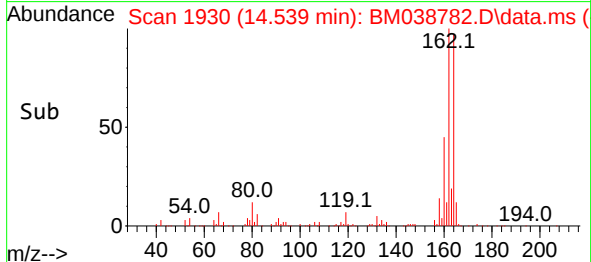
Instrument :
BNA_M
ClientSampleId :
SB-01-4.0-6.0-DUP



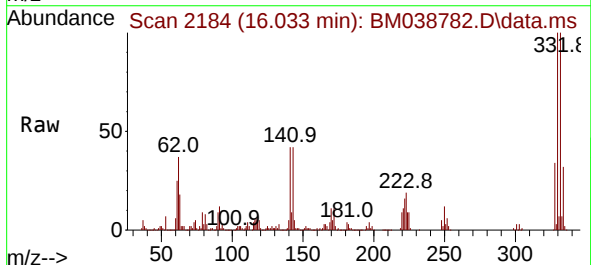
Tgt Ion:164 Resp: 16083
Ion Ratio Lower Upper
164 100
162 103.4 81.4 122.0
160 46.7 36.5 54.7

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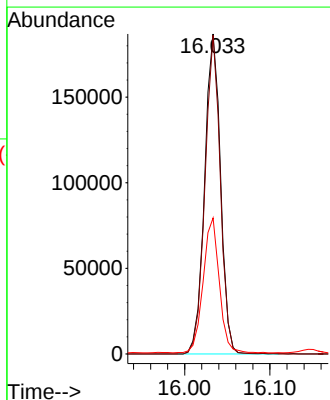
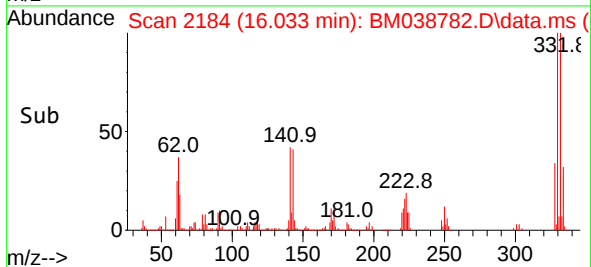
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

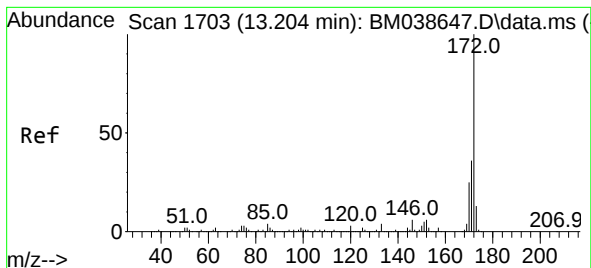


#42
2,4,6-Tribromophenol
Concen: 110.740 ng
RT: 16.033 min Scan# 2184
Delta R.T. -0.023 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53



Tgt Ion:330 Resp: 242084
Ion Ratio Lower Upper
330 100
332 95.6 77.8 116.6
141 42.7 31.0 46.6





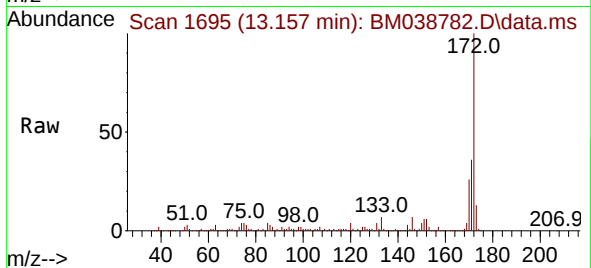
#45
2-Fluorobiphenyl
Concen: 55.436 ng
RT: 13.157 min Scan# 1
Delta R.T. -0.029 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

Instrument :

BNA_M

ClientSampleId :

SB-01-4.0-6.0-DUP



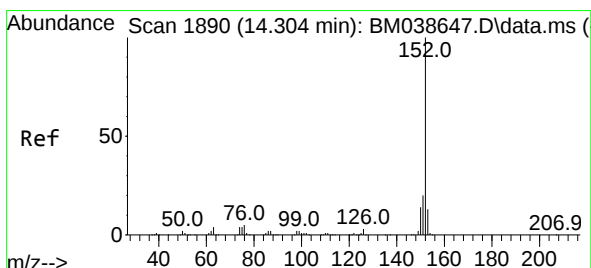
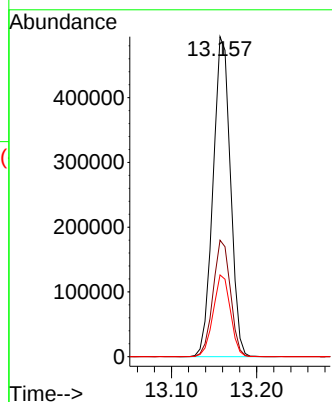
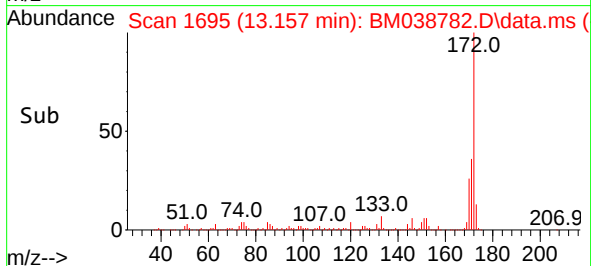
Tgt Ion:172 Resp: 700319
Ion Ratio Lower Upper
172 100
171 36.4 28.7 43.1
170 25.5 20.0 30.0

Manual Integrations

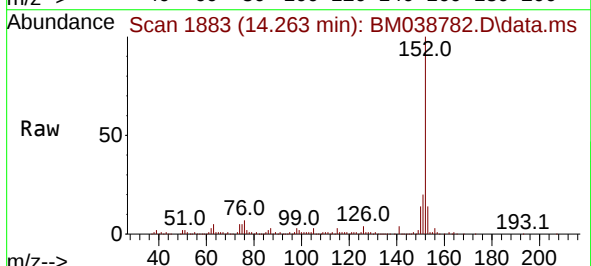
APPROVED

Reviewed By :Yogesh Patel 02/18/2023

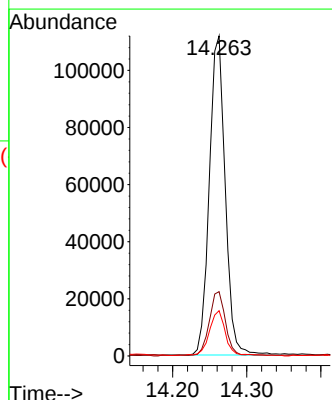
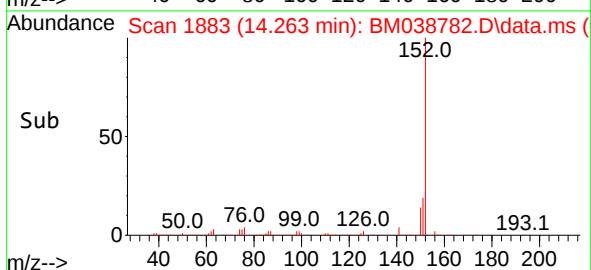
Supervised By :mohammad ahmed 02/20/2023

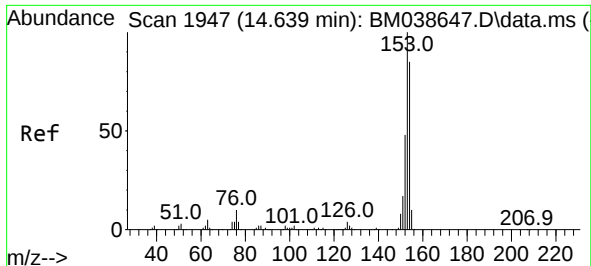


#49
Acenaphthylene
Concen: 10.534 ng
RT: 14.263 min Scan# 1883
Delta R.T. -0.023 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53



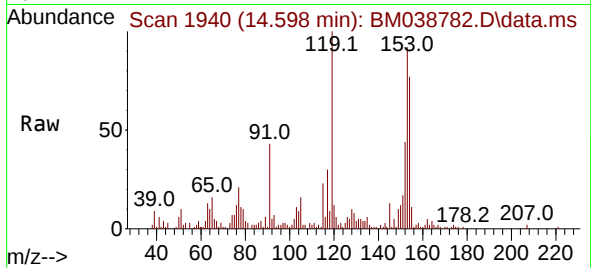
Tgt Ion:152 Resp: 166333
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 14.2 10.0 15.0





#52
Acenaphthene
Concen: 2.190 ng
RT: 14.598 min Scan# 1947
Delta R.T. -0.029 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

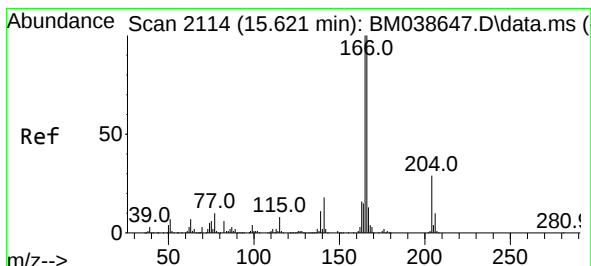
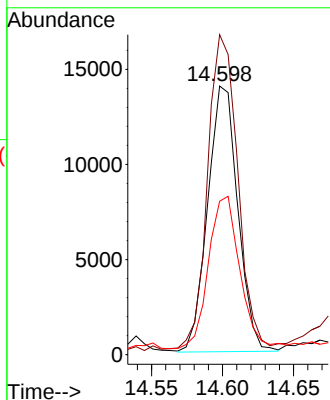
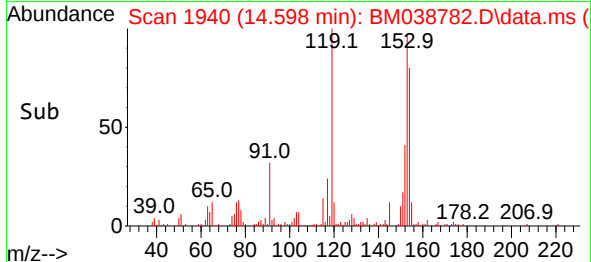
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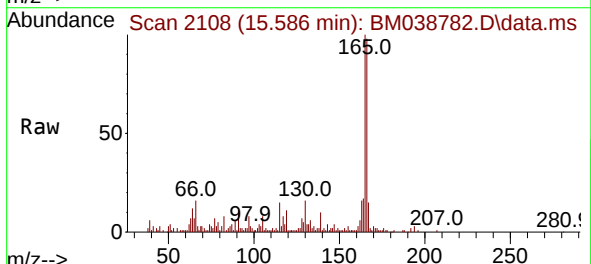
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Ion Ratio Lower Upper
154 100
153 119.1 93.7 140.5
152 57.1 44.6 67.0

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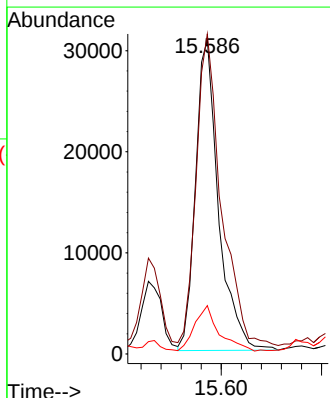
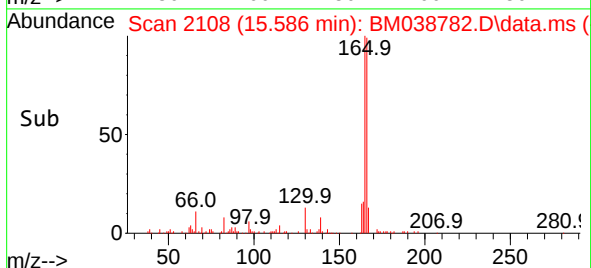
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

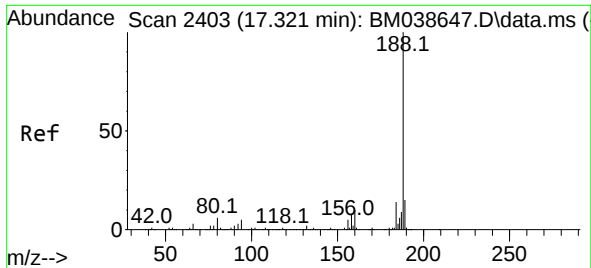


#58
Fluorene
Concen: 3.816 ng
RT: 15.586 min Scan# 2108
Delta R.T. -0.023 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53



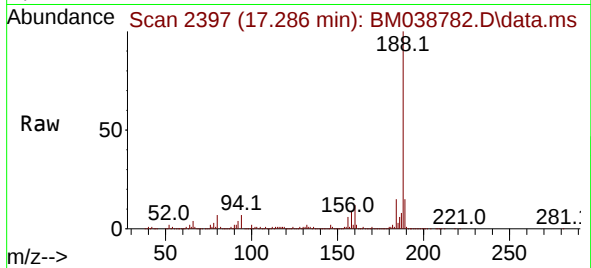
Tgt Ion:166 Resp: 49028
Ion Ratio Lower Upper
166 100
165 101.7 80.2 120.4
167 15.4 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2403
Delta R.T. -0.018 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

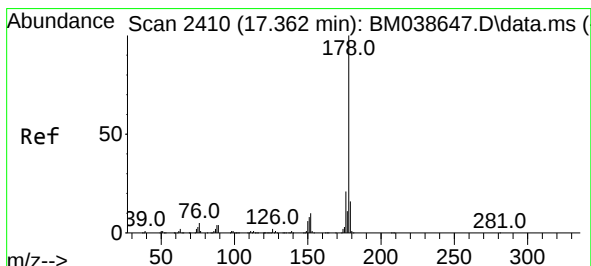
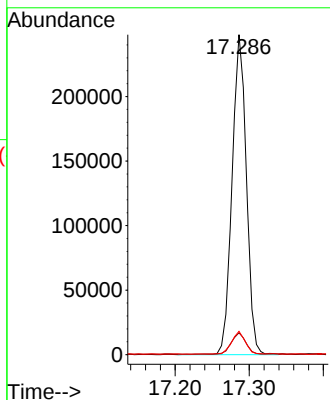
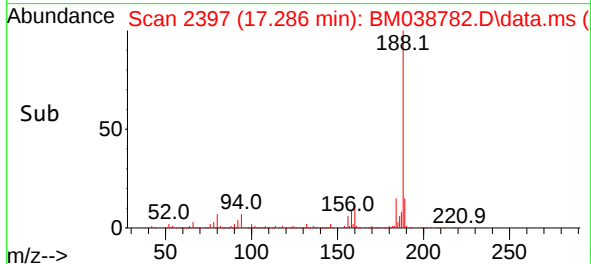
Instrument :
BNA_M
ClientSampleId :
SB-01-4.0-6.0-DUP



Tgt Ion:188 Resp: 331798
Ion Ratio Lower Upper
188 100
94 6.8 4.2 6.4
80 7.3 4.6 7.0

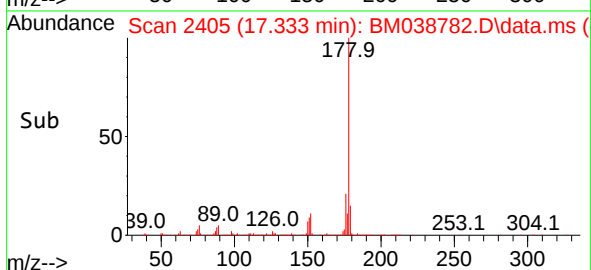
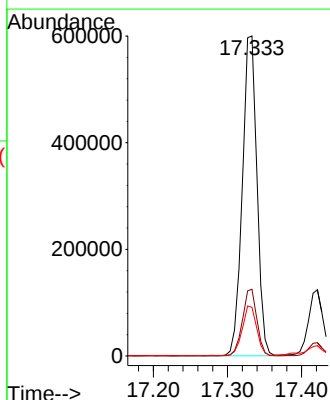
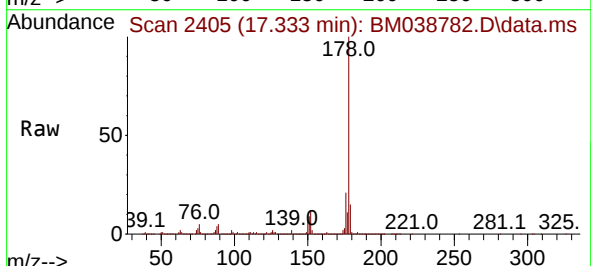
Manual Integrations
APPROVED

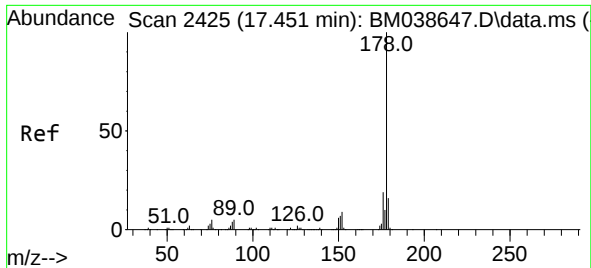
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#71
Phenanthrene
Concen: 41.672 ng
RT: 17.333 min Scan# 2405
Delta R.T. -0.018 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

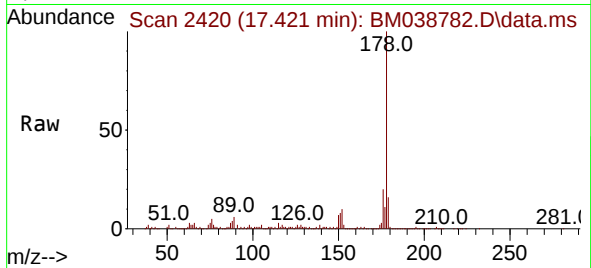
Tgt Ion:178 Resp: 820988
Ion Ratio Lower Upper
178 100
176 20.9 16.7 25.1
179 15.2 12.5 18.7





#72
 Anthracene
 Concen: 8.334 ng
 RT: 17.421 min Scan# 2420
 Delta R.T. -0.018 min
 Lab File: BM038782.D
 Acq: 17 Feb 2023 19:53

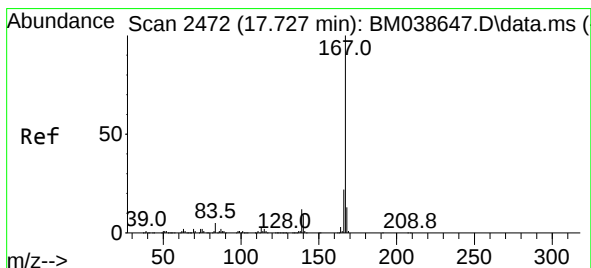
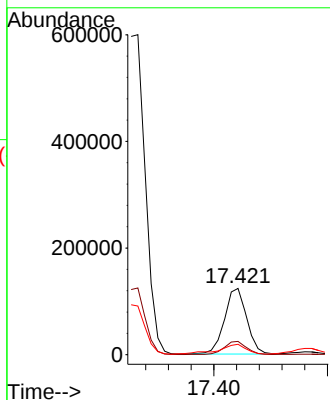
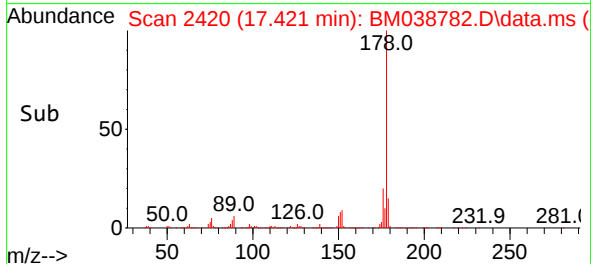
Instrument :
 BNA_M
 ClientSampleId :
 SB-01-4.0-6.0-DUP



Tgt Ion:178 Resp: 167960
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.6 23.4
 179 15.8 12.4 18.6

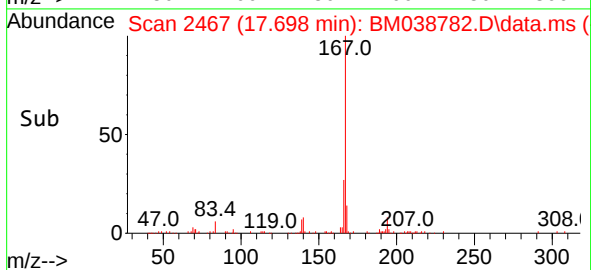
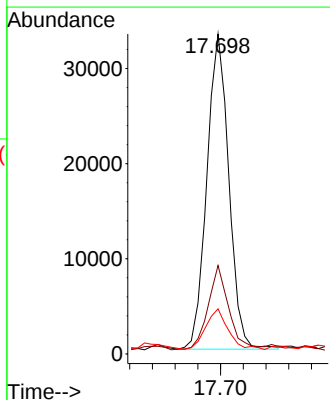
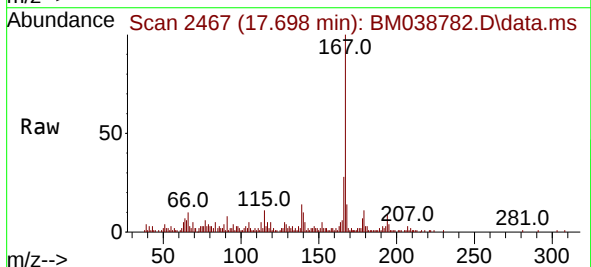
Manual Integrations
 APPROVED

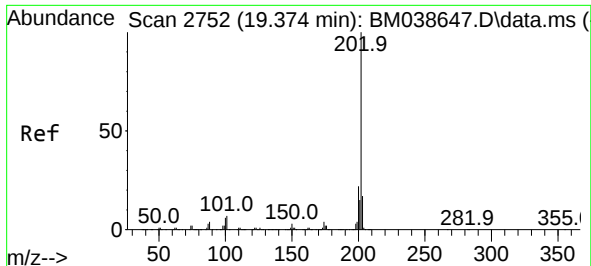
Reviewed By :Yogesh Patel 02/18/2023
 Supervised By :mohammad ahmed 02/20/2023



#73
 Carbazole
 Concen: 2.367 ng
 RT: 17.698 min Scan# 2467
 Delta R.T. -0.023 min
 Lab File: BM038782.D
 Acq: 17 Feb 2023 19:53

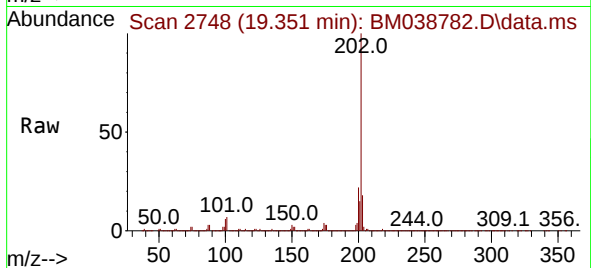
Tgt Ion:167 Resp: 44500
 Ion Ratio Lower Upper
 167 100
 166 27.6 17.8 26.6#
 139 14.1 9.4 14.2





#75
Fluoranthene
Concen: 52.483 ng
RT: 19.351 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

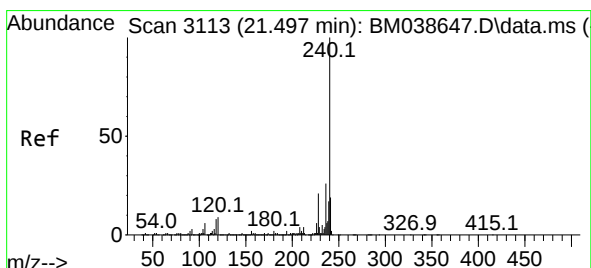
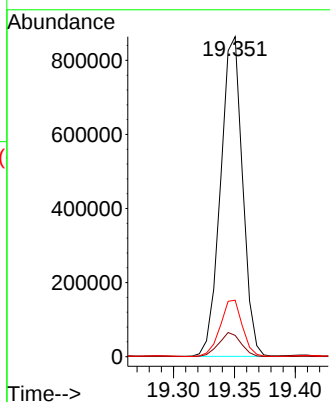
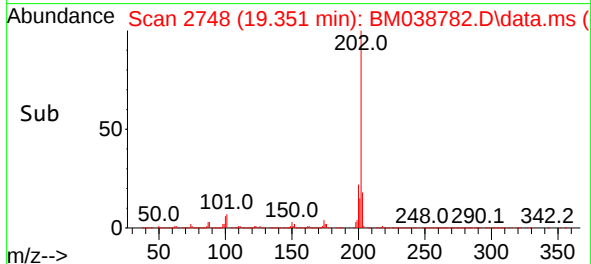
Instrument :
BNA_M
ClientSampleId :
SB-01-4.0-6.0-DUP



Tgt Ion:202 Resp: 1085614
Ion Ratio Lower Upper
202 100
101 6.7 0.0 27.4
203 17.7 0.0 37.3

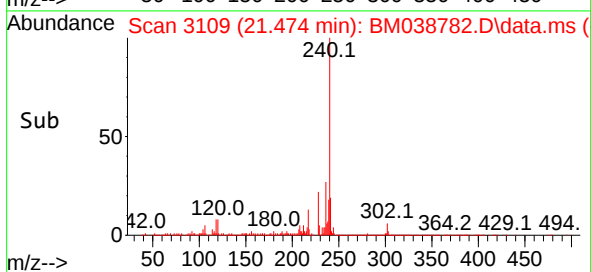
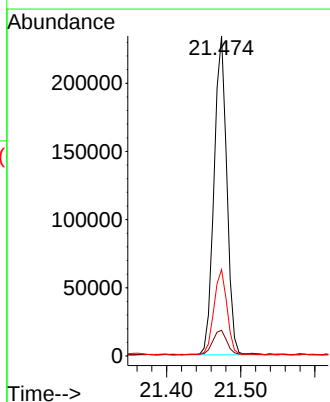
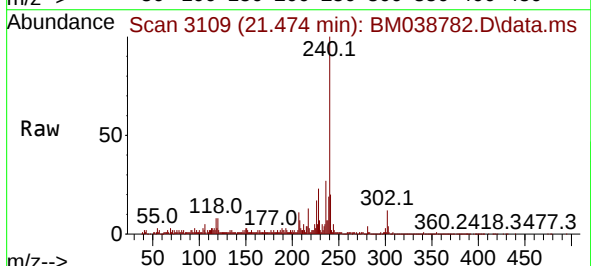
Manual Integrations
APPROVED

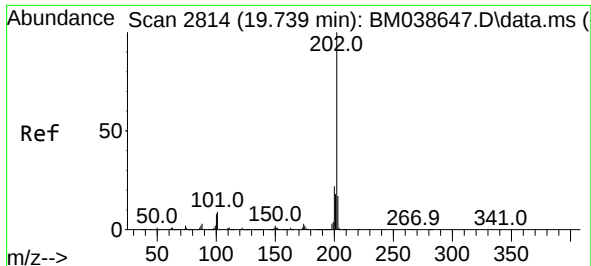
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.474 min Scan# 3109
Delta R.T. -0.018 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

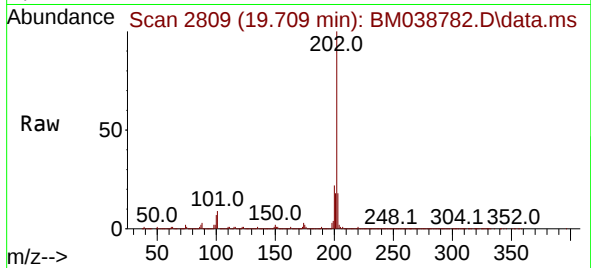
Tgt Ion:240 Resp: 279602
Ion Ratio Lower Upper
240 100
120 8.0 7.0 10.4
236 27.0 20.9 31.3





#78
Pyrene
Concen: 53.048 ng
RT: 19.709 min Scan# 2814
Delta R.T. -0.018 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

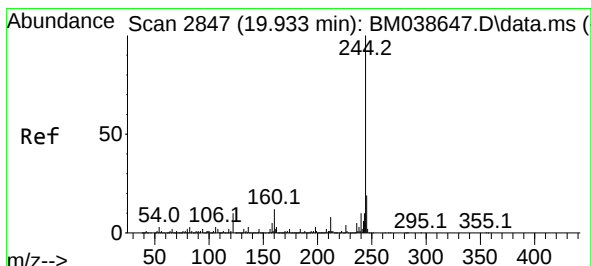
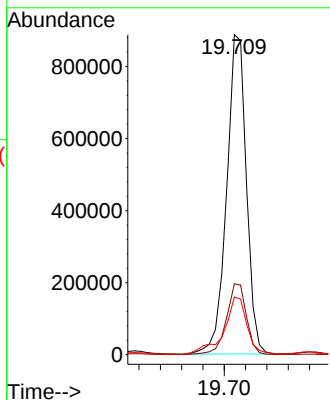
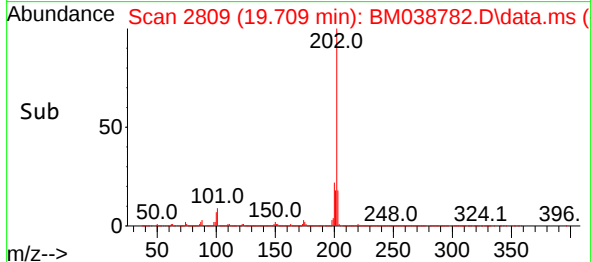
Instrument :
BNA_M
ClientSampleId :
SB-01-4.0-6.0-DUP



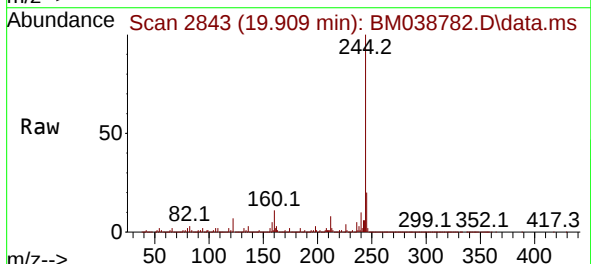
Tgt Ion:202 Resp: 114195
Ion Ratio Lower Upper
202 100
200 22.2 17.8 26.6
203 18.0 13.5 20.3

Manual Integrations
APPROVED

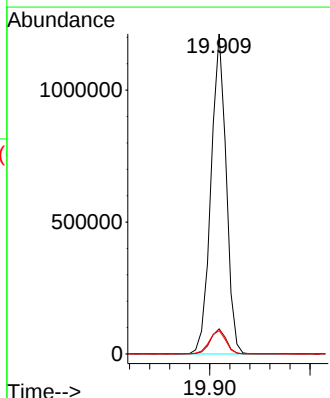
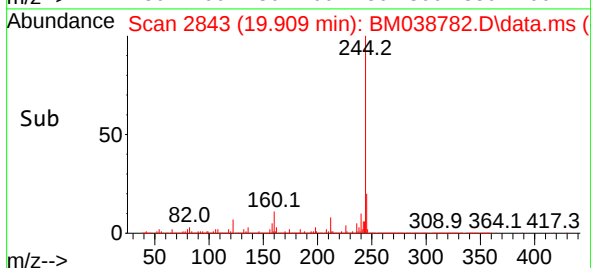
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

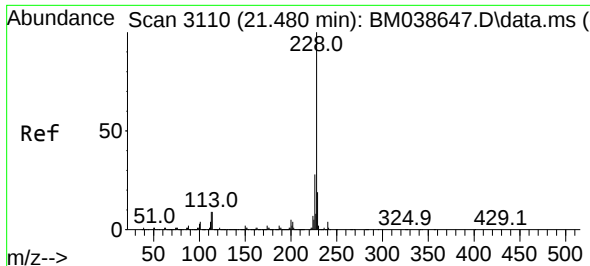


#79
Terphenyl-d14
Concen: 80.413 ng
RT: 19.909 min Scan# 2843
Delta R.T. -0.018 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53



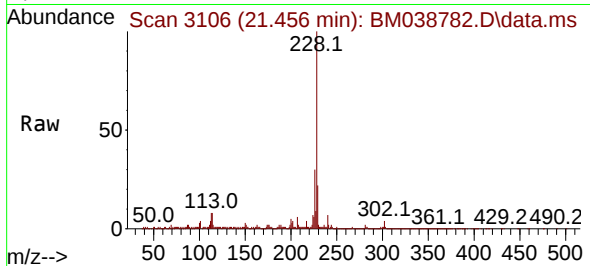
Tgt Ion:244 Resp: 1274103
Ion Ratio Lower Upper
244 100
212 7.9 6.6 9.8
122 7.3 7.8 11.8#





#81
Benzo(a)anthracene
Concen: 25.430 ng
RT: 21.456 min Scan# 3110
Delta R.T. -0.018 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

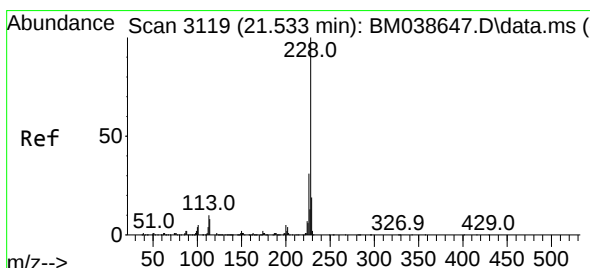
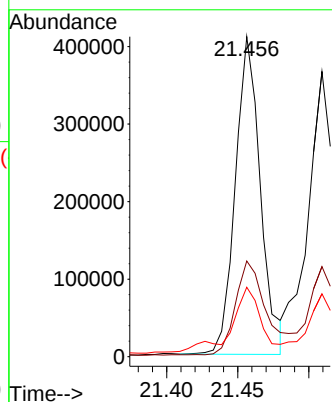
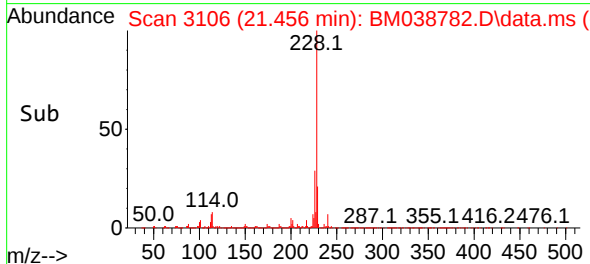
Instrument :
BNA_M
ClientSampleId :
SB-01-4.0-6.0-DUP



Tgt Ion:228 Resp: 502968
Ion Ratio Lower Upper
228 100
226 29.9 22.2 33.4
229 21.7 15.5 23.3

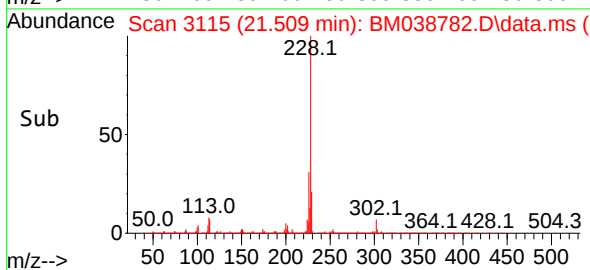
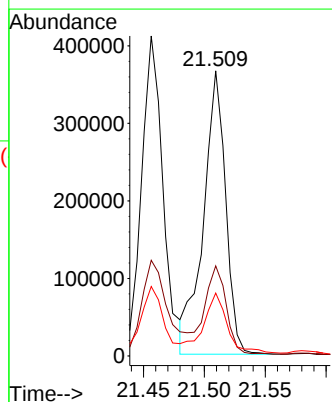
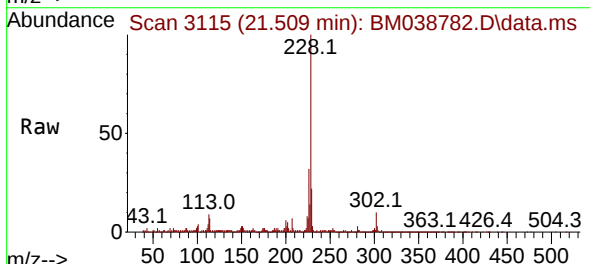
Manual Integrations
APPROVED

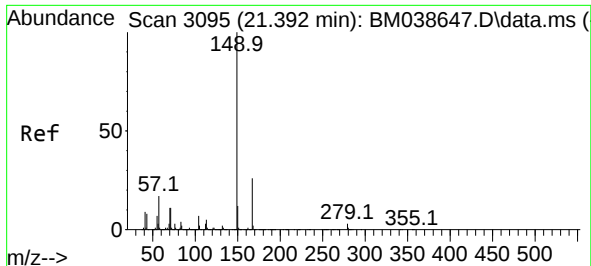
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#83
Chrysene
Concen: 24.308 ng
RT: 21.509 min Scan# 3115
Delta R.T. -0.018 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

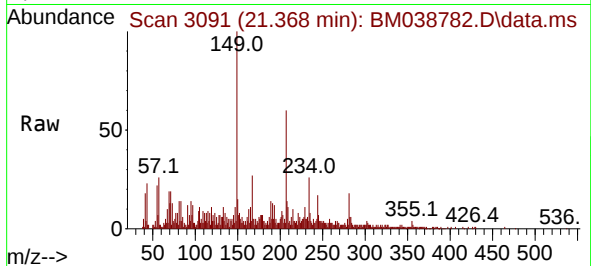
Tgt Ion:228 Resp: 463217
Ion Ratio Lower Upper
228 100
226 31.6 24.7 37.1
229 22.0 15.5 23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.734 ng
RT: 21.368 min Scan# 3091
Delta R.T. -0.018 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

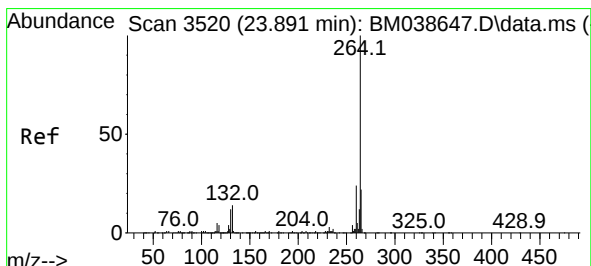
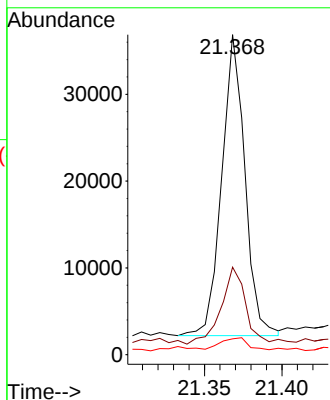
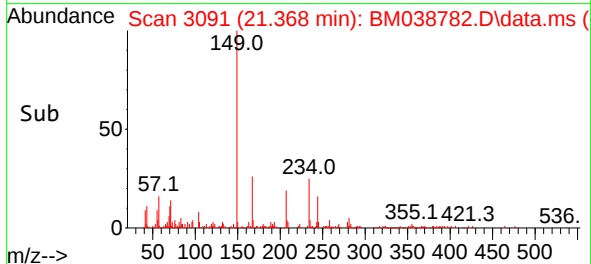
Instrument :
BNA_M
ClientSampleId :
SB-01-4.0-6.0-DUP



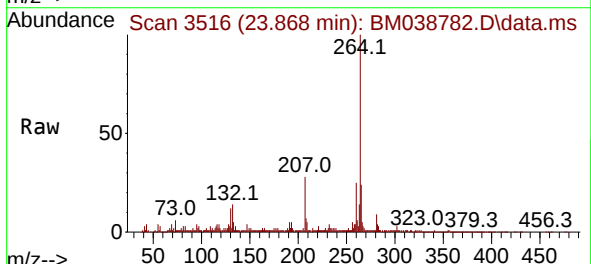
Tgt Ion:149 Resp: 3602
Ion Ratio Lower Upper
149 100
167 27.3 20.8 31.2
279 4.9 2.5 3.7

Manual Integrations
APPROVED

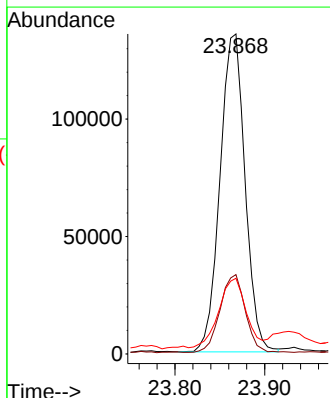
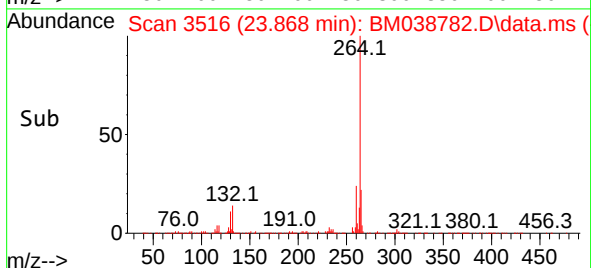
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

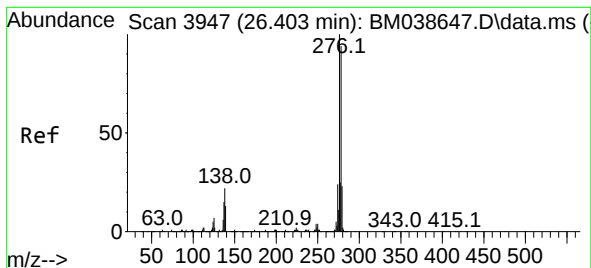


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.868 min Scan# 3516
Delta R.T. -0.006 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53



Tgt Ion:264 Resp: 262629
Ion Ratio Lower Upper
264 100
260 24.8 19.6 29.4
265 23.6 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.635 ng

RT: 26.344 min Scan# 3937

Delta R.T. -0.035 min

Lab File: BM038782.D

Acq: 17 Feb 2023 19:53

Instrument :

BNA_M

ClientSampleId :

SB-01-4.0-6.0-DUP

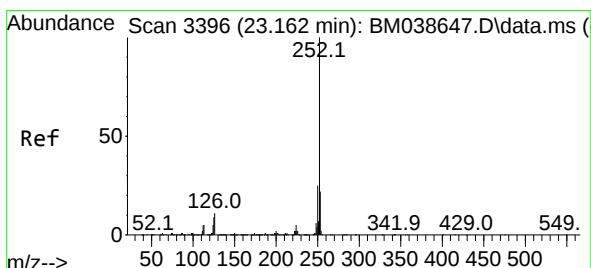
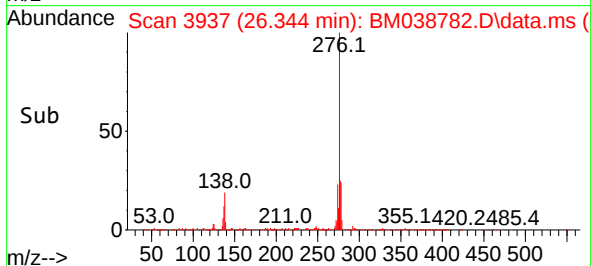
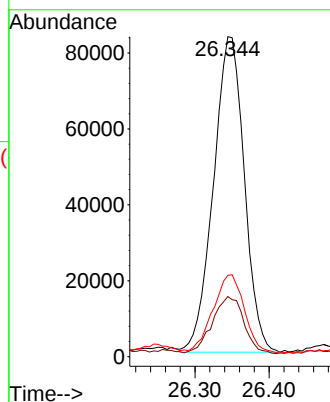
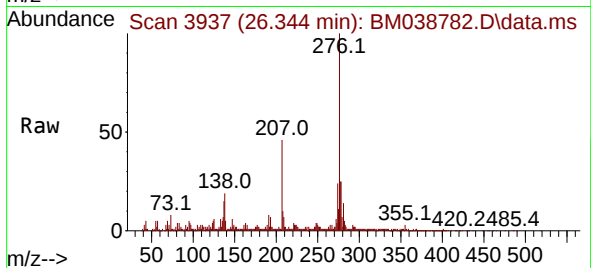
Tgt Ion:	276	Resp:	240680
Ion Ratio	Lower	Upper	
276	100		
138	18.5	17.2	25.8
277	24.9	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#88

Benzo(b)fluoranthene

Concen: 31.031 ng

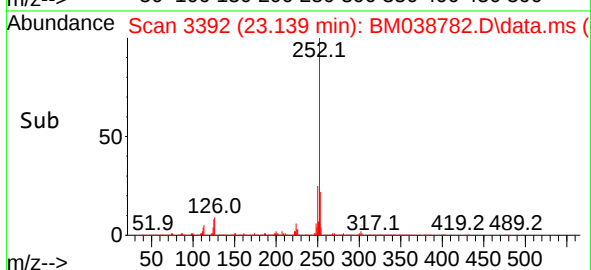
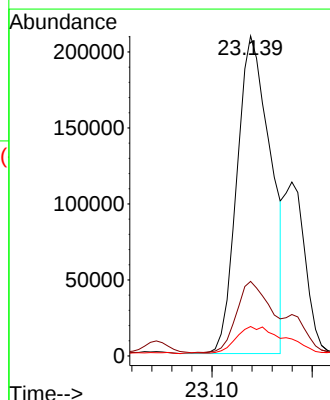
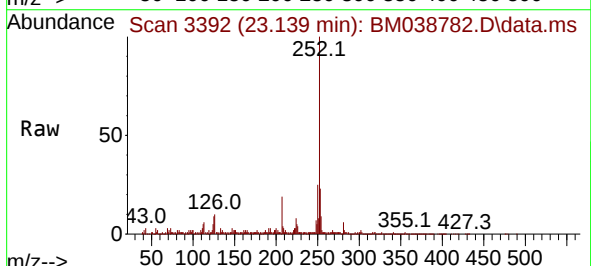
RT: 23.139 min Scan# 3392

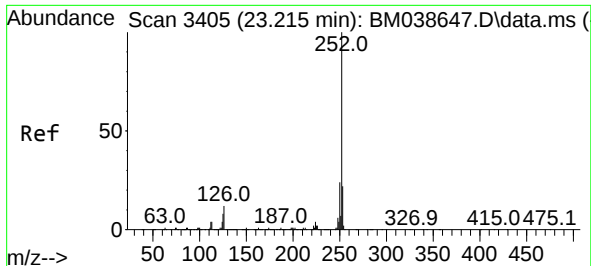
Delta R.T. -0.012 min

Lab File: BM038782.D

Acq: 17 Feb 2023 19:53

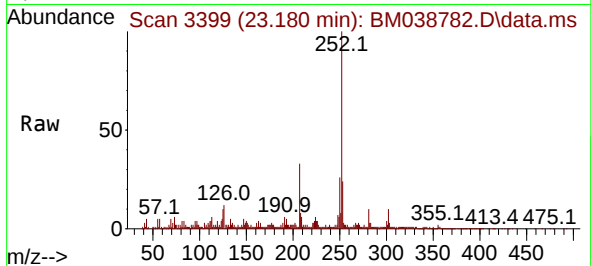
Tgt Ion:	252	Resp:	488130
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.2
125	9.2	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 10.315 ng m
RT: 23.180 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53

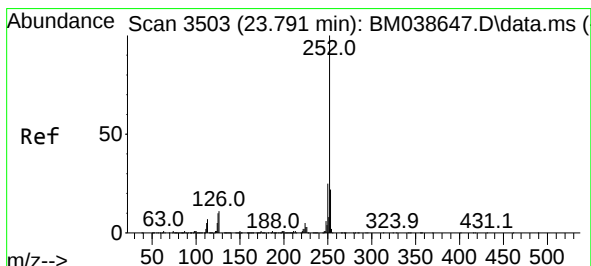
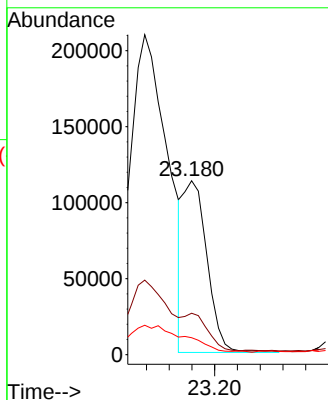
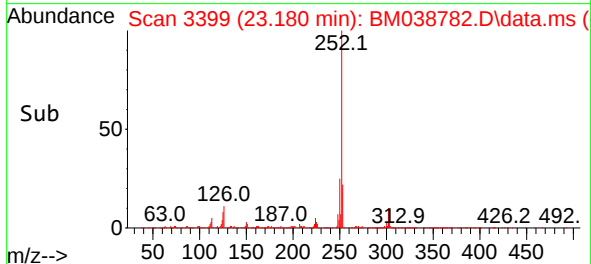
Instrument :
BNA_M
ClientSampleId :
SB-01-4.0-6.0-DUP



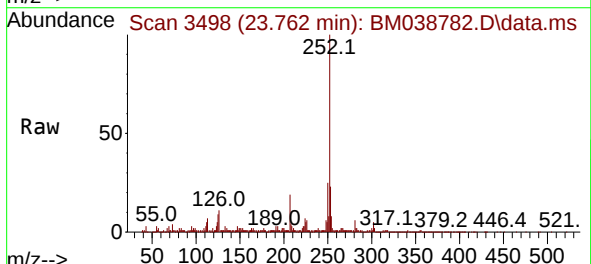
Tgt Ion:252 Resp: 164768
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 9.7 6.6 9.8

Manual Integrations
APPROVED

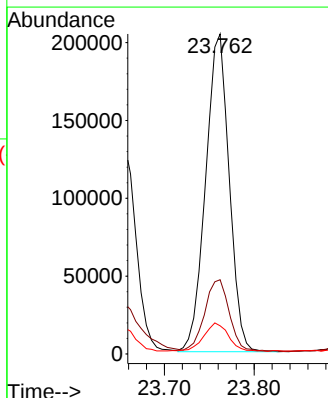
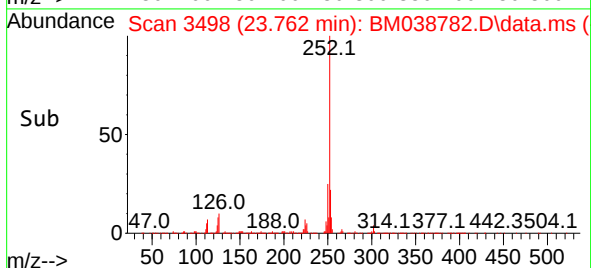
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

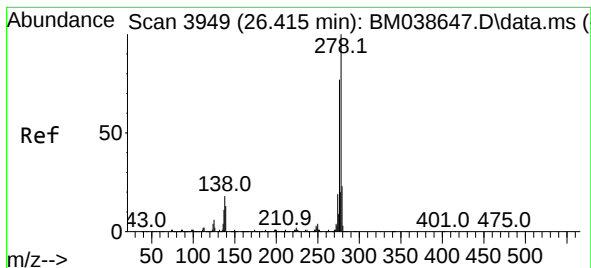


#90
Benzo(a)pyrene
Concen: 23.940 ng
RT: 23.762 min Scan# 3498
Delta R.T. -0.012 min
Lab File: BM038782.D
Acq: 17 Feb 2023 19:53



Tgt Ion:252 Resp: 372407
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 8.8 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 4.020 ng

RT: 26.344 min Scan# 3949

Delta R.T. -0.041 min

Lab File: BM038782.D

Acq: 17 Feb 2023 19:53

Instrument :

BNA_M

ClientSampleId :

SB-01-4.0-6.0-DUP

Tgt Ion: 278 Resp: 69970

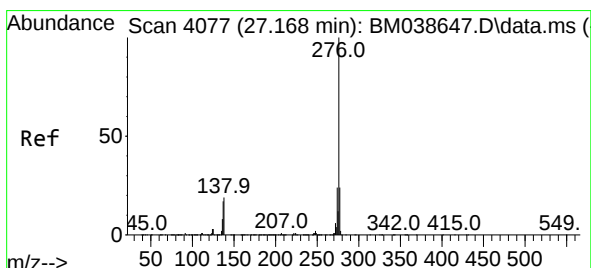
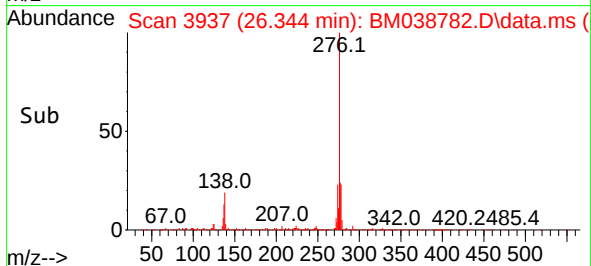
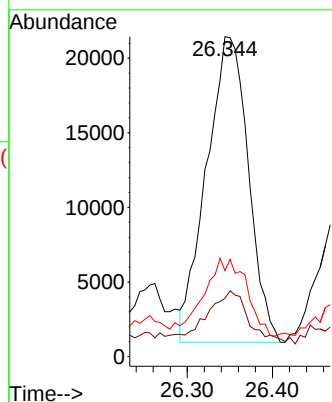
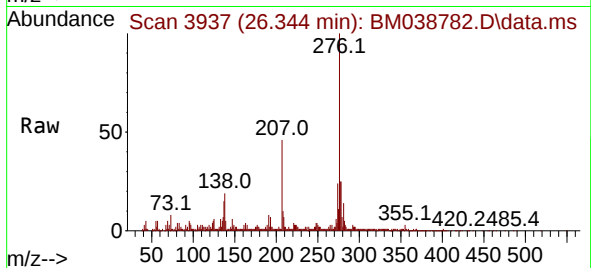
Ion	Ratio	Lower	Upper
278	100		
139	18.3	10.5	15.7
279	26.9	18.7	28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#92

Benzo(g,h,i)perylene

Concen: 14.414 ng

RT: 27.115 min Scan# 4068

Delta R.T. -0.029 min

Lab File: BM038782.D

Acq: 17 Feb 2023 19:53

Tgt Ion: 276 Resp: 253589

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.1	28.7
138	18.4	15.3	22.9

