

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
 Data File : BM038784.D
 Acq On : 17 Feb 2023 21:09
 Operator : CG/JU
 Sample : 01552-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-02-4.0-6.0

Quant Time: Feb 17 23:24:46 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	54677	20.000	ng	-0.03
21) Naphthalene-d8	10.698	136	216309	20.000	ng	-0.02
39) Acenaphthene-d10	14.539	164	151230	20.000	ng	-0.02
64) Phenanthrene-d10	17.286	188	332312	20.000	ng	#-0.02
76) Chrysene-d12	21.474	240	278491	20.000	ng	-0.02
86) Perylene-d12	23.868	264	268778	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	290417	104.048	ng	-0.02
7) Phenol-d6	7.063	99	373452	117.311	ng	-0.02
23) Nitrobenzene-d5	9.063	82	220791	57.977	ng	-0.03
42) 2,4,6-Tribromophenol	16.033	330	240725	117.110	ng	-0.02
45) 2-Fluorobiphenyl	13.157	172	658554	55.439	ng	-0.03
79) Terphenyl-d14	19.909	244	1224520	77.592	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.327	178	161486	8.184	ng	97
72) Anthracene	17.421	178	44879	2.223	ng	99
75) Fluoranthene	19.345	202	323672	15.623	ng	98
78) Pyrene	19.709	202	307937	14.362	ng	98
81) Benzo(a)anthracene	21.456	228	173478	8.806	ng	95
83) Chrysene	21.509	228	159985m	8.429	ng	
84) Bis(2-ethylhexyl)phtha...	21.368	149	10938	2.178	ng	# 79
87) Indeno(1,2,3-cd)pyrene	26.350	276	104671	4.944	ng	97
88) Benzo(b)fluoranthene	23.139	252	198633	12.338	ng	# 91
89) Benzo(k)fluoranthene	23.180	252	73523m	4.497	ng	
90) Benzo(a)pyrene	23.762	252	157401	9.887	ng	# 91
92) Benzo(g,h,i)perylene	27.127	276	106871	5.936	ng	99

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

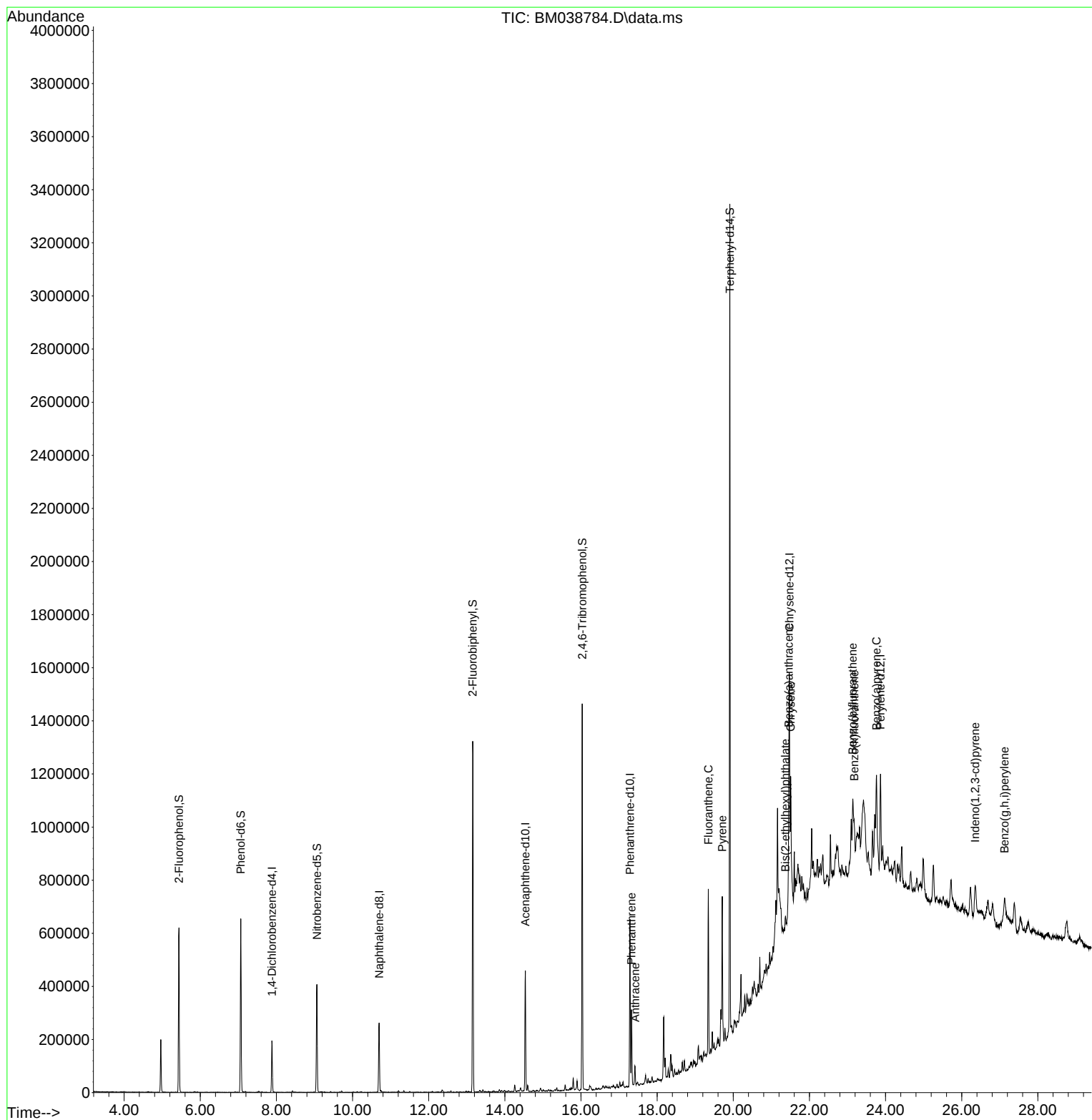
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
Data File : BM038784.D
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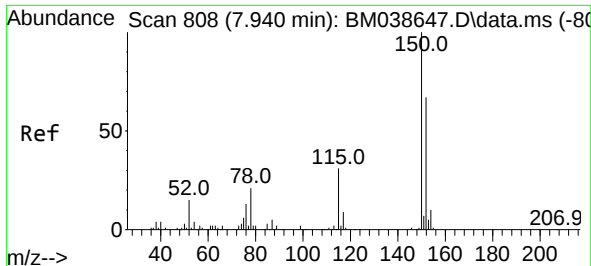
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Quant Time: Feb 17 23:24:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
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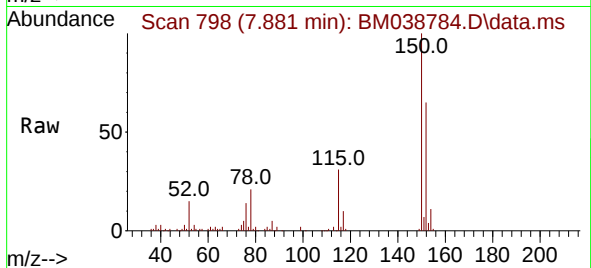
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 798
Delta R.T. -0.029 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

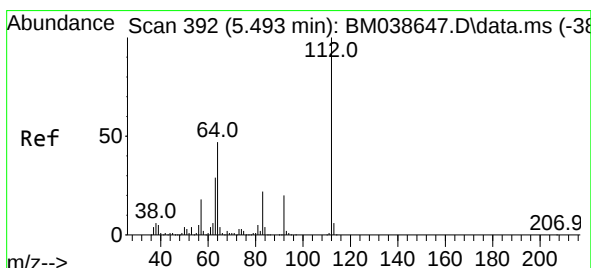
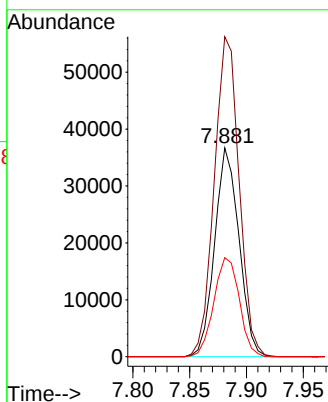
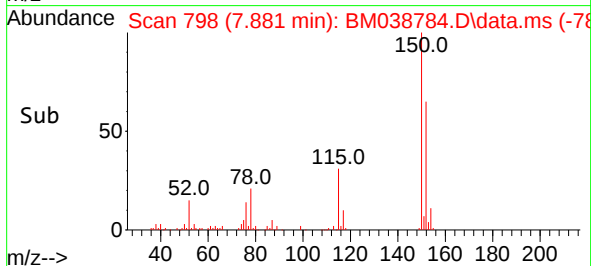
Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0



Tgt Ion:152 Resp: 5467
Ion Ratio Lower Upper
152 100
150 153.2 119.5 179.3
115 47.4 37.6 56.4

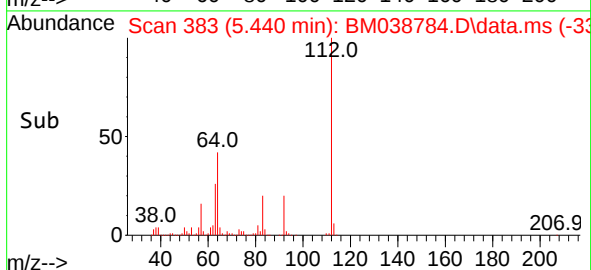
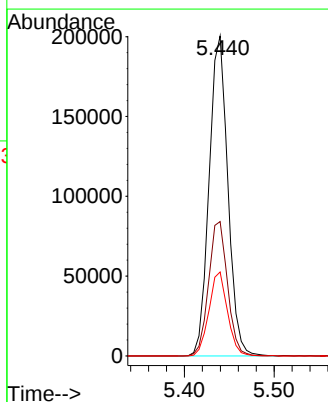
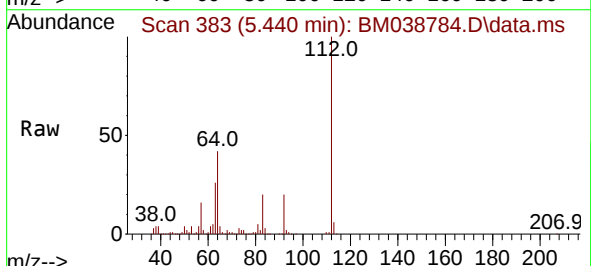
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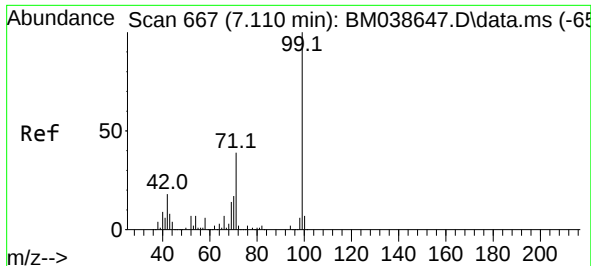
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#5
2-Fluorophenol
Concen: 104.048 ng
RT: 5.440 min Scan# 383
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

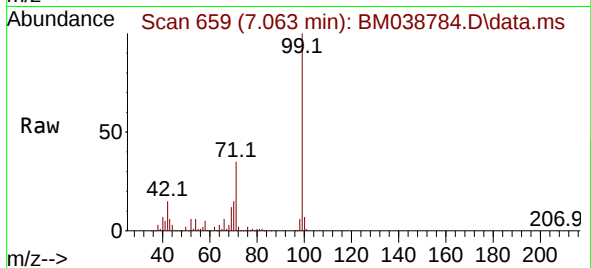
Tgt Ion:112 Resp: 290417
Ion Ratio Lower Upper
112 100
64 42.0 37.9 56.9
63 26.3 23.3 34.9





#7
Phenol-d6
Concen: 117.311 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

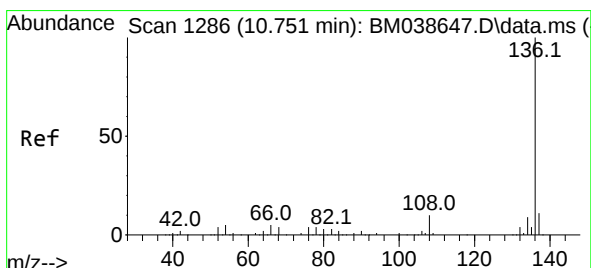
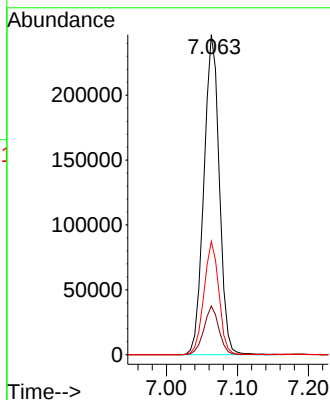
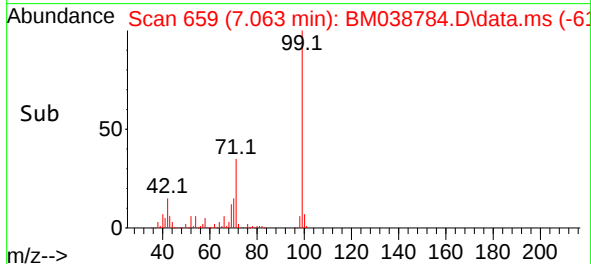
Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0



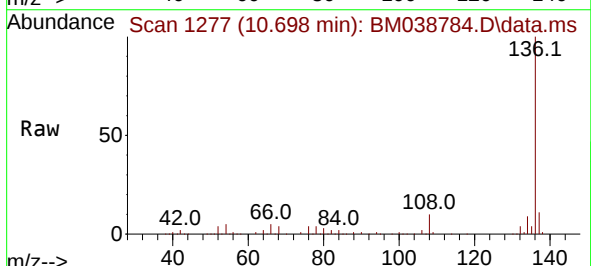
Tgt Ion: 99 Resp: 373452
Ion Ratio Lower Upper
99 100
42 15.2 14.6 22.0
71 35.4 31.0 46.4

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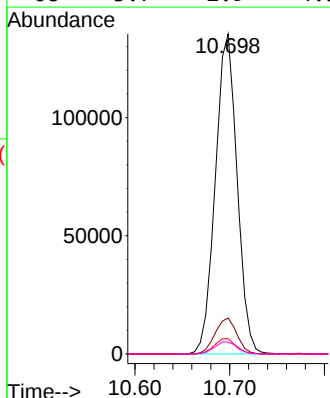
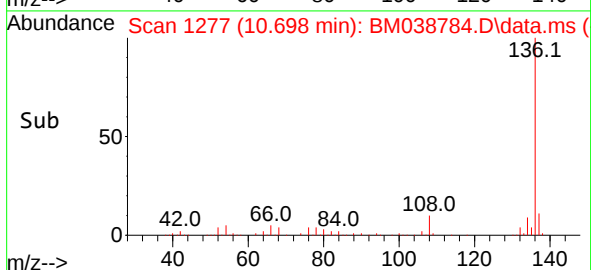
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

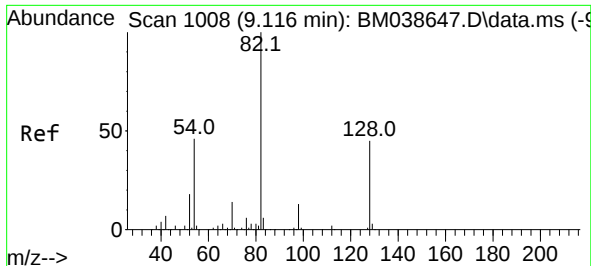


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1277
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09



Tgt Ion:136 Resp: 216309
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 4.7 4.2 6.4
68 3.7 2.9 4.3





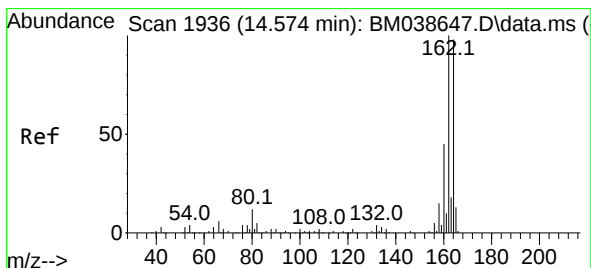
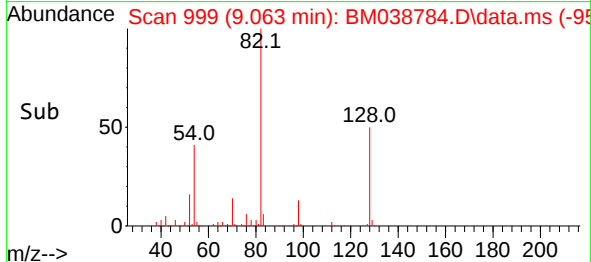
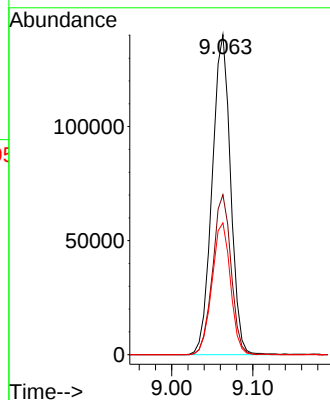
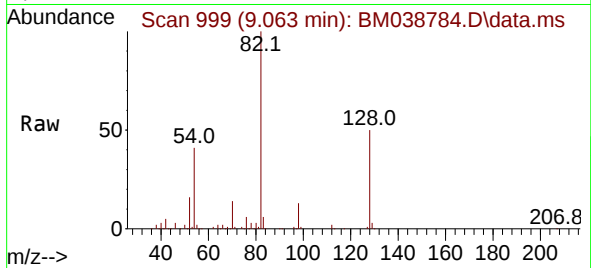
#23
Nitrobenzene-d5
Concen: 57.977 ng
RT: 9.063 min Scan# 91
Delta R.T. -0.029 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

Tgt Ion: 82 Resp: 22079
Ion Ratio Lower Upper
82 100
128 50.0 36.0 54.0
54 41.2 36.8 55.2

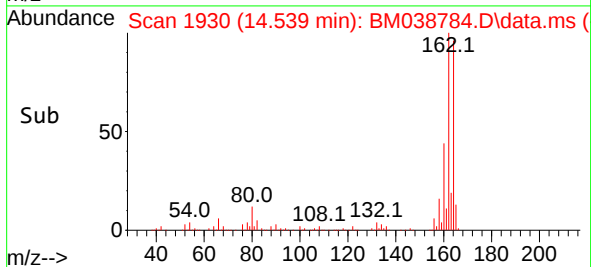
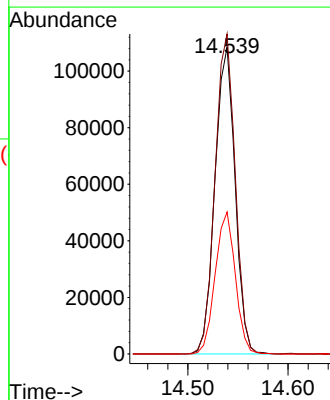
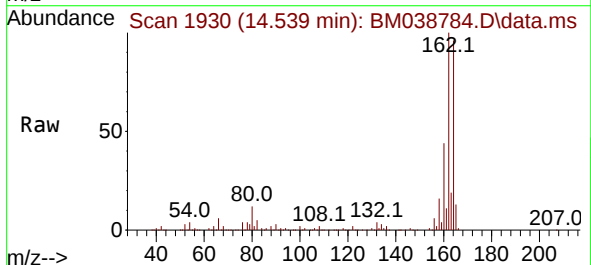
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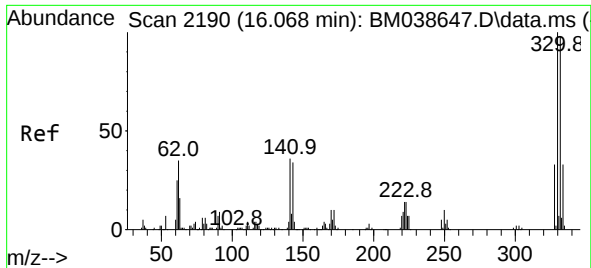
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1930
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Tgt Ion:164 Resp: 151230
Ion Ratio Lower Upper
164 100
162 104.3 81.4 122.0
160 46.3 36.5 54.7





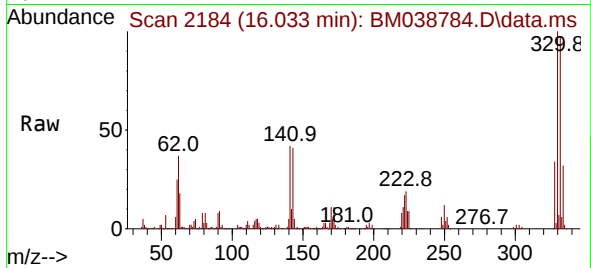
#42
2,4,6-Tribromophenol
Concen: 117.110 ng
RT: 16.033 min Scan# 2190
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Instrument :

BNA_M

ClientSampleId :

SB-02-4.0-6.0



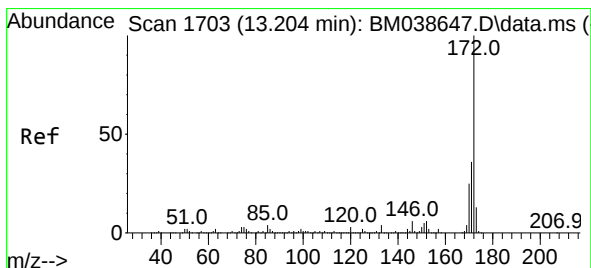
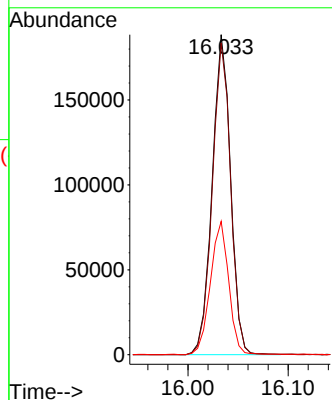
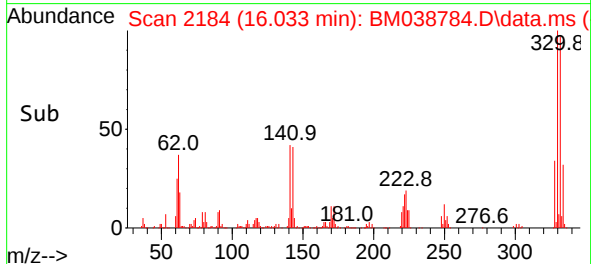
Tgt Ion:330 Resp: 240725
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.6
141 41.6 31.0 46.6

Manual Integrations

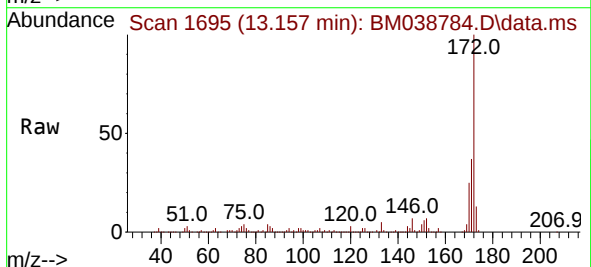
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Reviewed By :Yogesh Patel 02/18/2023

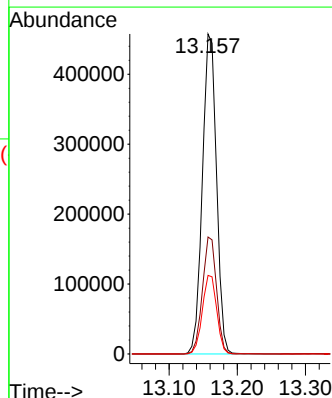
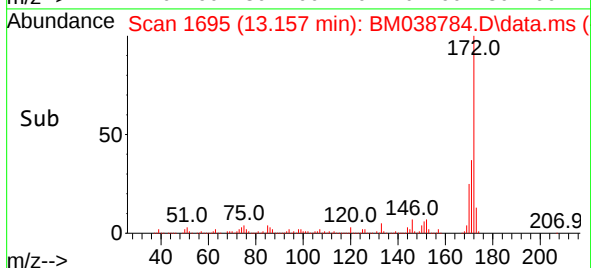
Supervised By :mohammad ahmed 02/20/2023

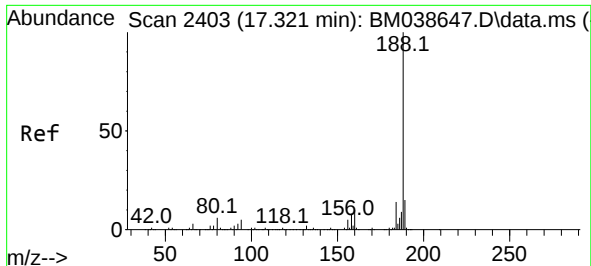


#45
2-Fluorobiphenyl
Concen: 55.439 ng
RT: 13.157 min Scan# 1695
Delta R.T. -0.029 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09



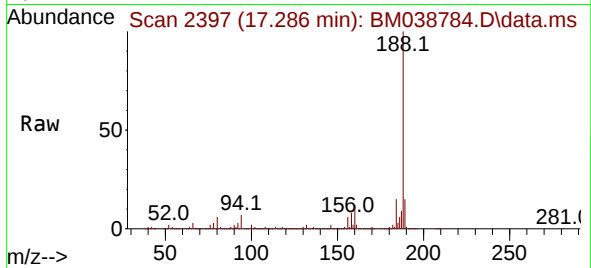
Tgt Ion:172 Resp: 658554
Ion Ratio Lower Upper
172 100
171 36.6 28.7 43.1
170 24.6 20.0 30.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

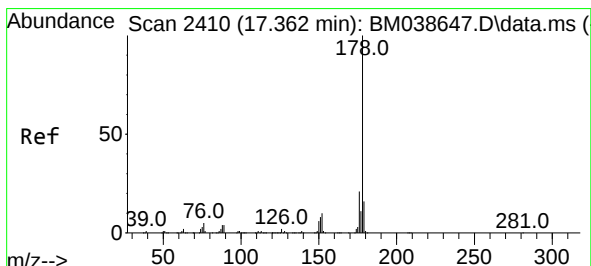
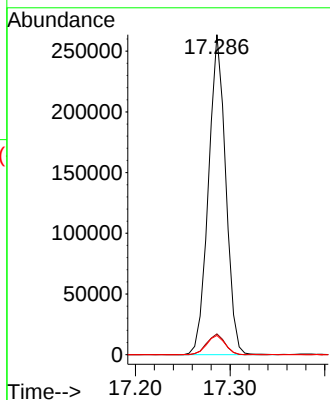
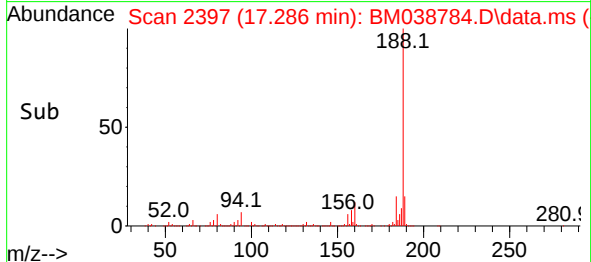
Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0



Tgt Ion:188 Resp: 332312
Ion Ratio Lower Upper
188 100
94 6.5 4.2 6.4
80 6.0 4.6 7.0

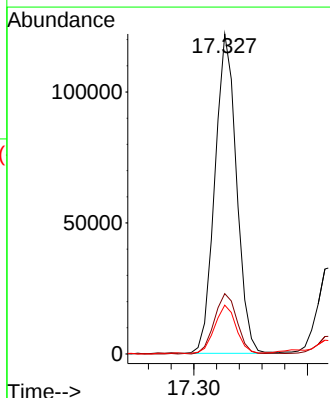
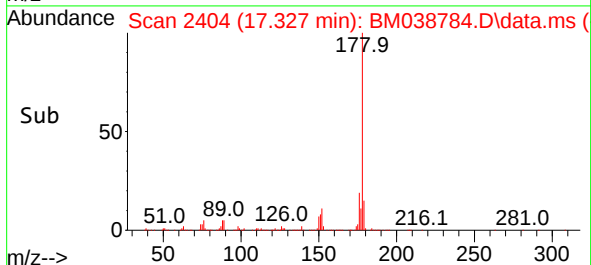
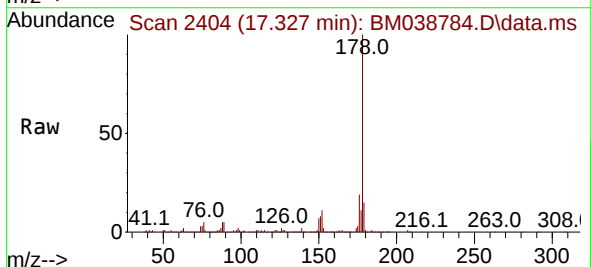
Manual Integrations
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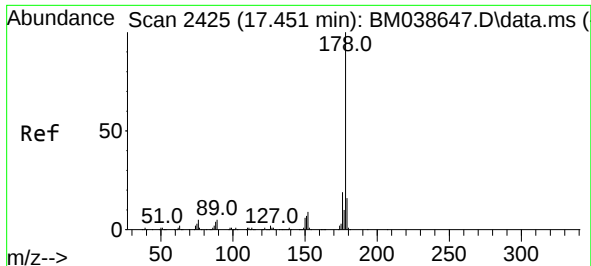
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#71
Phenanthrene
Concen: 8.184 ng
RT: 17.327 min Scan# 2404
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

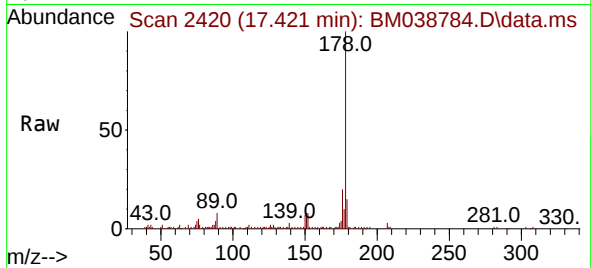
Tgt Ion:178 Resp: 161486
Ion Ratio Lower Upper
178 100
176 18.9 16.7 25.1
179 15.3 12.5 18.7





#72
 Anthracene
 Concen: 2.223 ng
 RT: 17.421 min Scan# 2425
 Delta R.T. -0.018 min
 Lab File: BM038784.D
 Acq: 17 Feb 2023 21:09

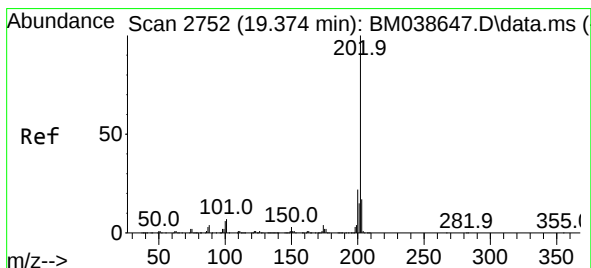
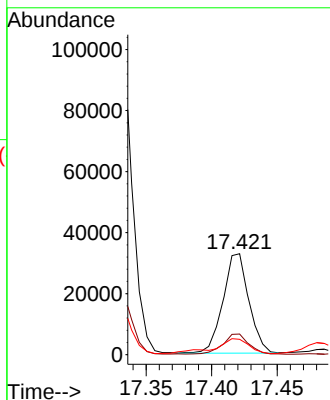
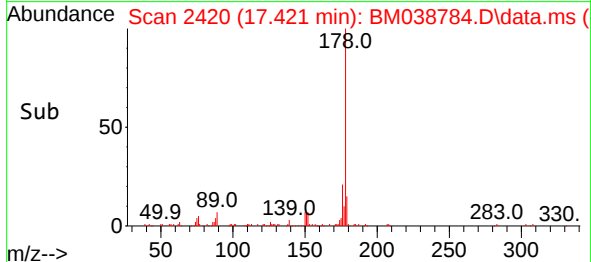
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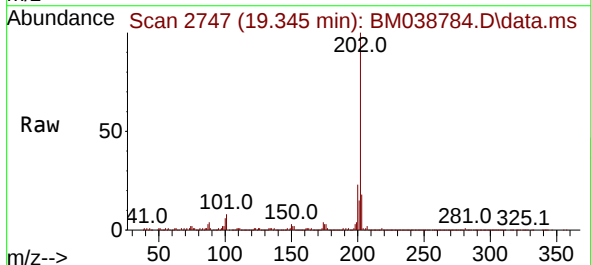
Tgt Ion:178 Resp: 44879
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.6 23.4
 179 15.3 12.4 18.6

Manual Integrations
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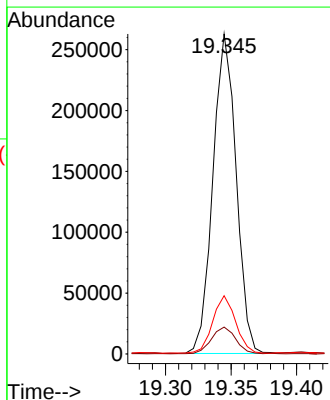
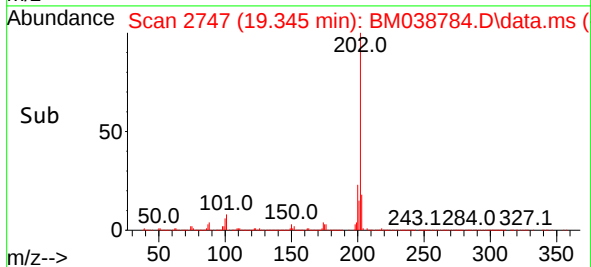
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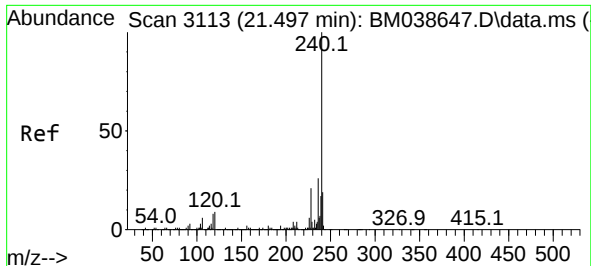


#75
 Fluoranthene
 Concen: 15.623 ng
 RT: 19.345 min Scan# 2747
 Delta R.T. -0.018 min
 Lab File: BM038784.D
 Acq: 17 Feb 2023 21:09



Tgt Ion:202 Resp: 323672
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 27.4
 203 18.2 0.0 37.3





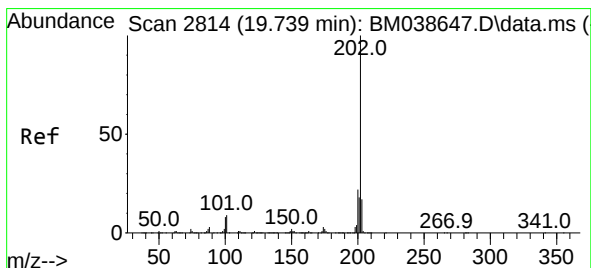
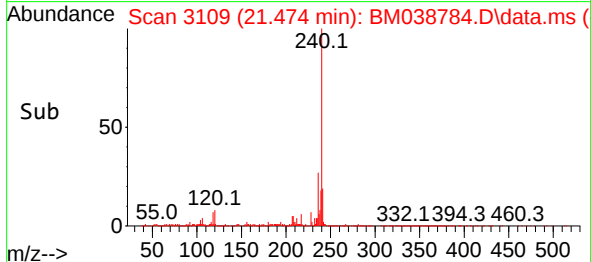
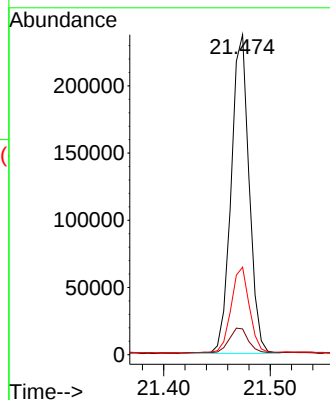
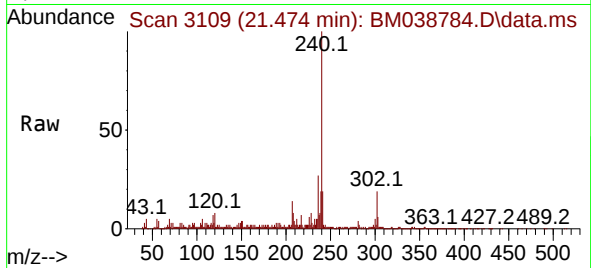
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.474 min Scan# 3113
Delta R.T. -0.018 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

Tgt Ion:240 Resp: 27849
Ion Ratio Lower Upper
240 100
120 8.0 7.0 10.4
236 27.3 20.9 31.3

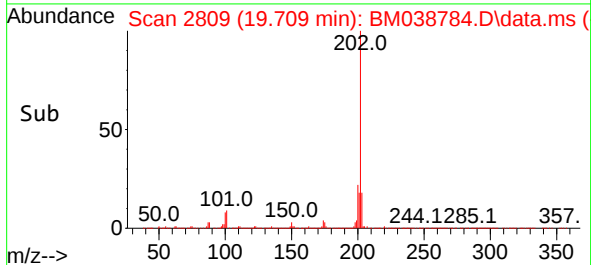
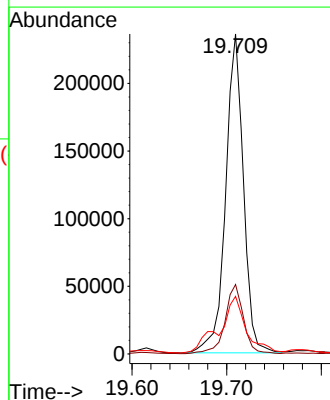
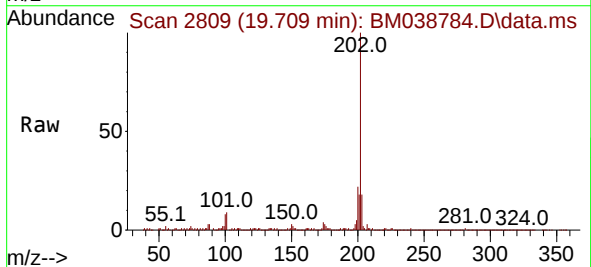
Manual Integrations
APPROVED

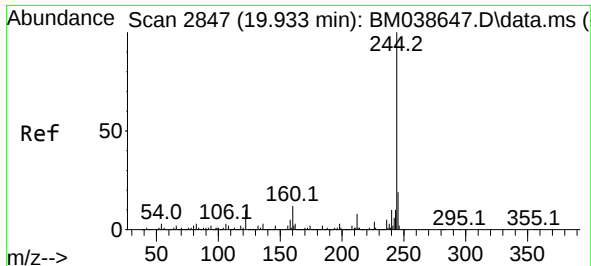
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#78
Pyrene
Concen: 14.362 ng
RT: 19.709 min Scan# 2809
Delta R.T. -0.018 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Tgt Ion:202 Resp: 307937
Ion Ratio Lower Upper
202 100
200 21.7 17.8 26.6
203 18.0 13.5 20.3





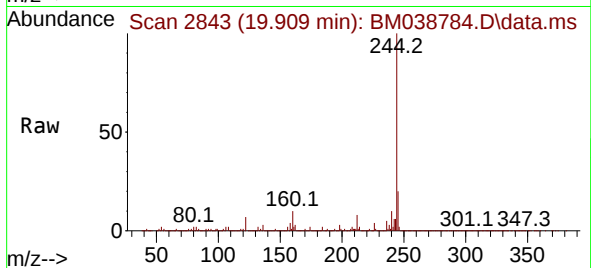
#79
 Terphenyl-d14
 Concen: 77.592 ng
 RT: 19.909 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM038784.D
 Acq: 17 Feb 2023 21:09

Instrument :

BNA_M

ClientSampleId :

SB-02-4.0-6.0

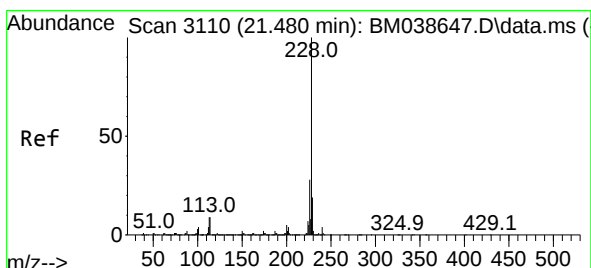
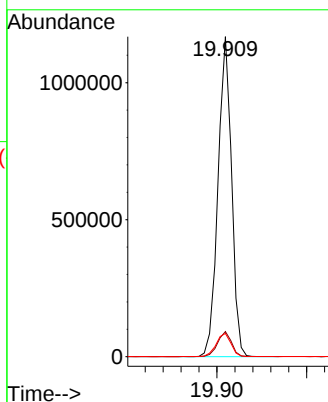
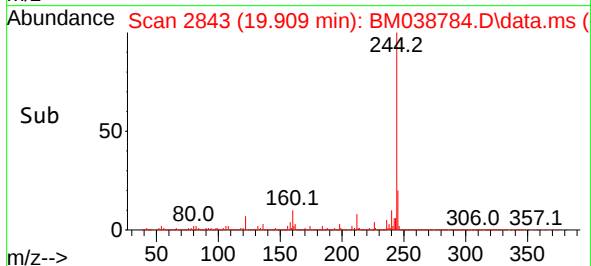


Tgt Ion:244 Resp: 1224520
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.6 9.8
 122 7.3 7.8 11.8

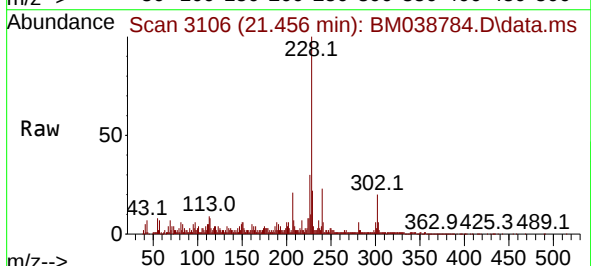
Manual Integrations

APPROVED

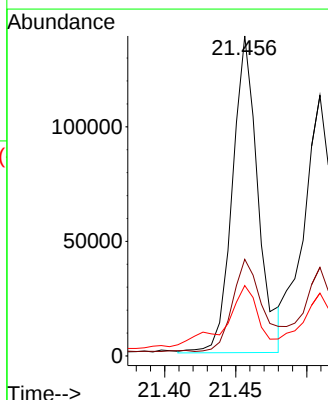
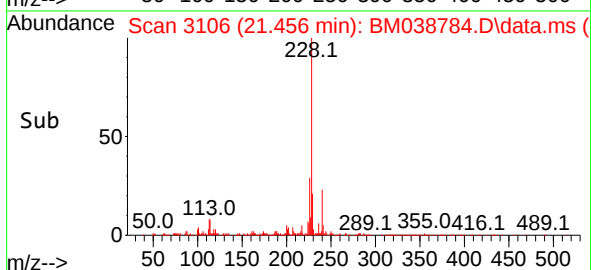
Reviewed By :Yogesh Patel 02/18/2023
 Supervised By :mohammad ahmed 02/20/2023

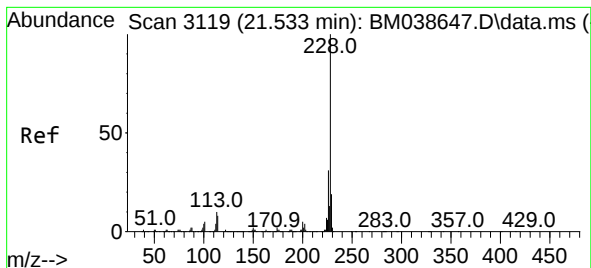


#81
 Benzo(a)anthracene
 Concen: 8.806 ng
 RT: 21.456 min Scan# 3106
 Delta R.T. -0.018 min
 Lab File: BM038784.D
 Acq: 17 Feb 2023 21:09



Tgt Ion:228 Resp: 173478
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.2 33.4
 229 22.0 15.5 23.3





#83

Chrysene

Concen: 8.429 ng m

RT: 21.509 min Scan# 3119

Delta R.T. -0.018 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

Instrument :

BNA_M

ClientSampleId :

SB-02-4.0-6.0

Tgt Ion:228 Resp: 15998

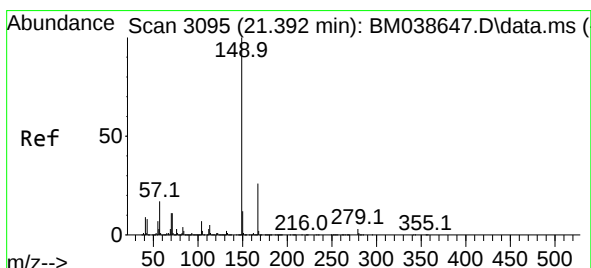
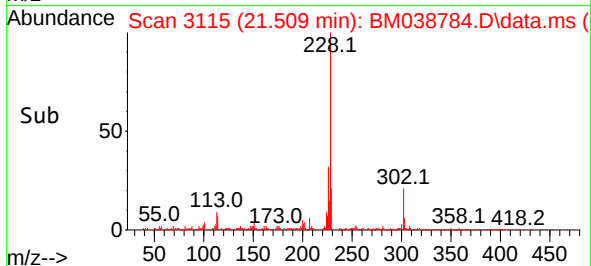
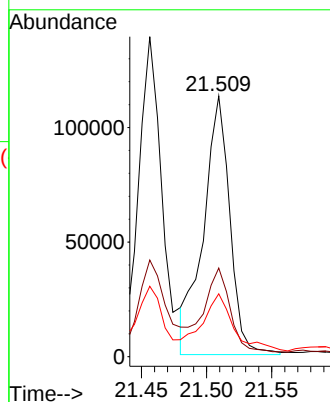
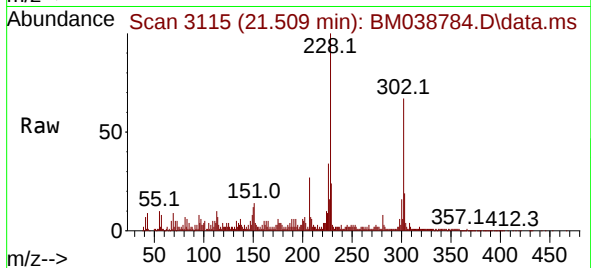
Ion	Ratio	Lower	Upper
228	100		
226	34.0	24.7	37.1
229	24.1	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.178 ng

RT: 21.368 min Scan# 3091

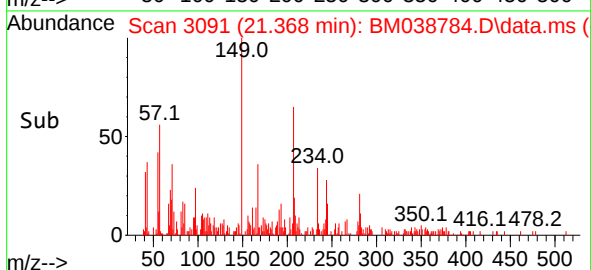
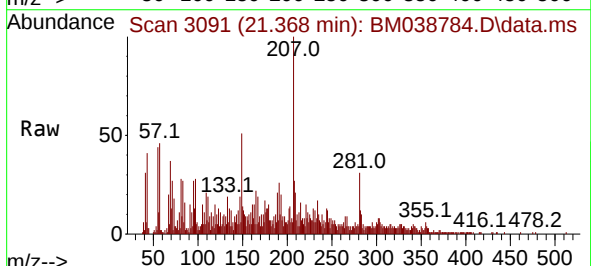
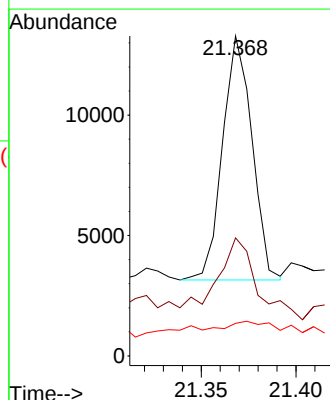
Delta R.T. -0.018 min

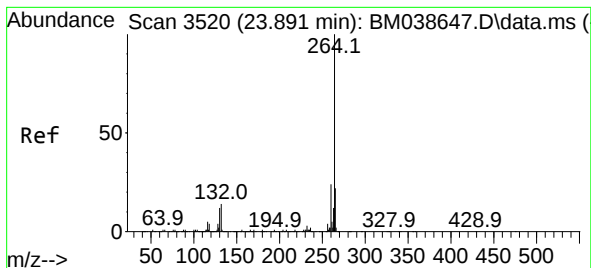
Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

Tgt Ion:149 Resp: 10938

Ion	Ratio	Lower	Upper
149	100		
167	36.9	20.8	31.2#
279	10.2	2.5	3.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.868 min Scan# 3516

Delta R.T. -0.006 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

Instrument :

BNA_M

ClientSampleId :

SB-02-4.0-6.0

Tgt Ion:264 Resp: 268778

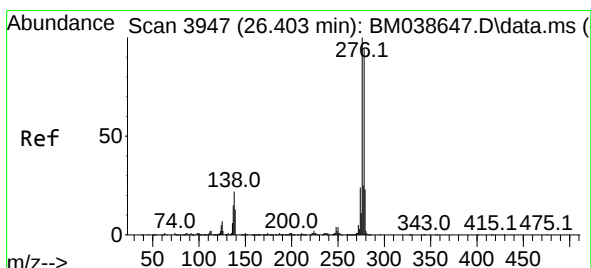
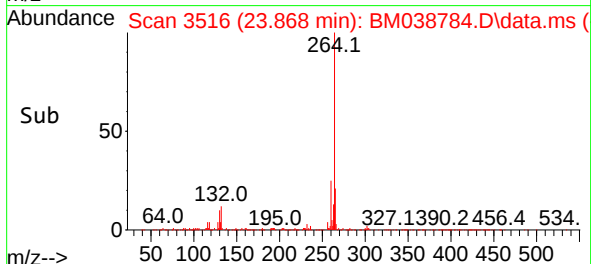
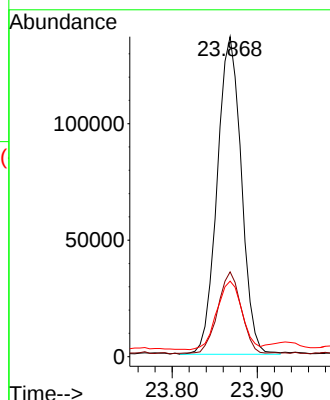
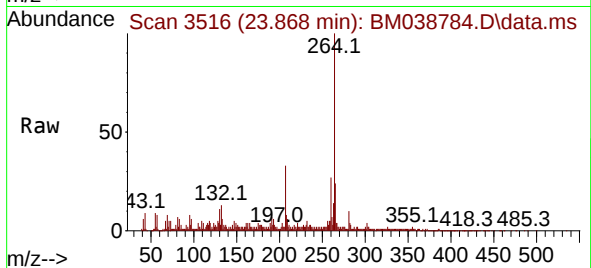
Ion	Ratio	Lower	Upper
264	100		
260	26.5	19.6	29.4
265	23.6	17.9	26.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.944 ng

RT: 26.350 min Scan# 3938

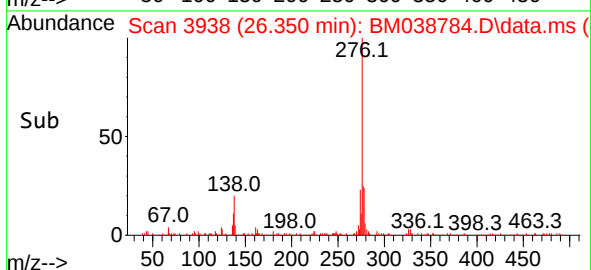
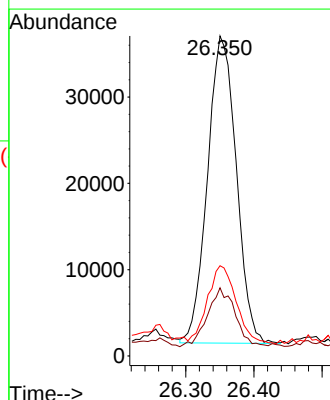
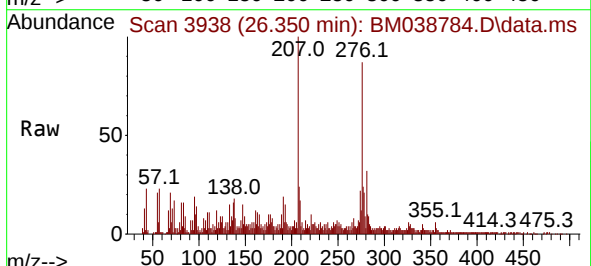
Delta R.T. -0.029 min

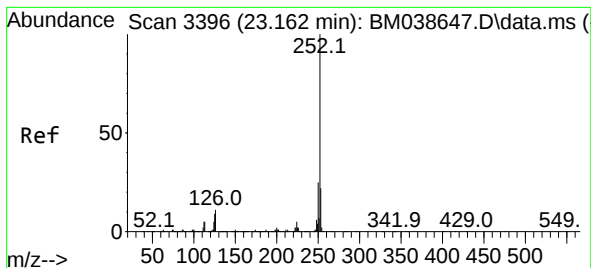
Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

Tgt Ion:276 Resp: 104671

Ion	Ratio	Lower	Upper
276	100		
138	18.3	17.2	25.8
277	25.4	20.2	30.4





#88

Benzo(b)fluoranthene

Concen: 12.338 ng

RT: 23.139 min Scan# 3396

Delta R.T. -0.012 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

Instrument :

BNA_M

ClientSampleId :

SB-02-4.0-6.0

Tgt Ion:252 Resp: 19863

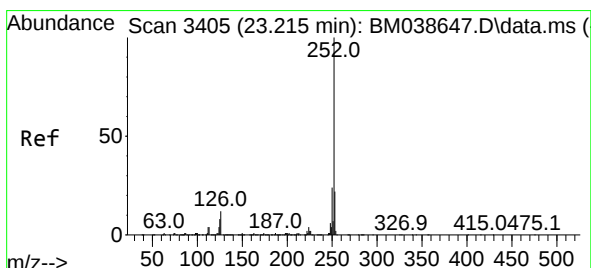
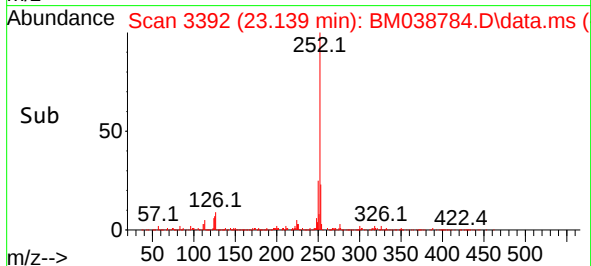
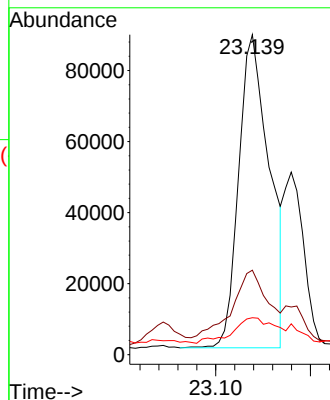
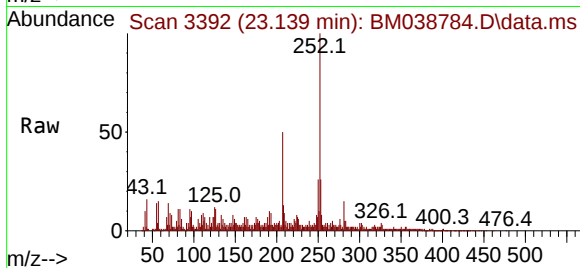
Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.4	26.2
125	11.6	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#89

Benzo(k)fluoranthene

Concen: 4.497 ng m

RT: 23.180 min Scan# 3399

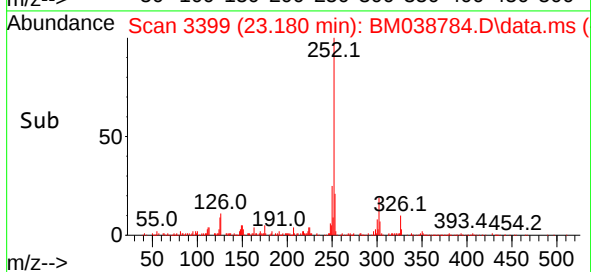
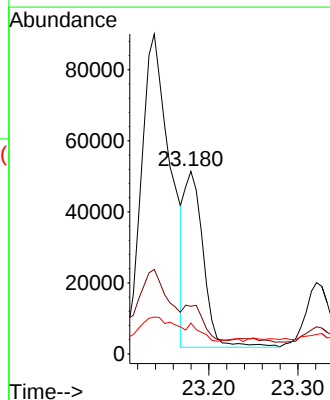
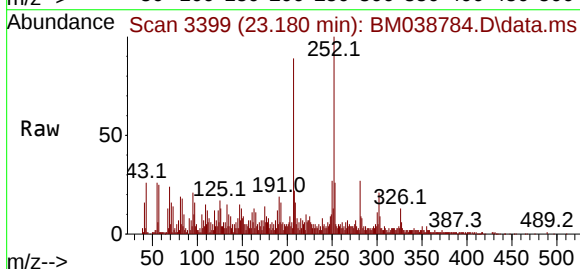
Delta R.T. -0.018 min

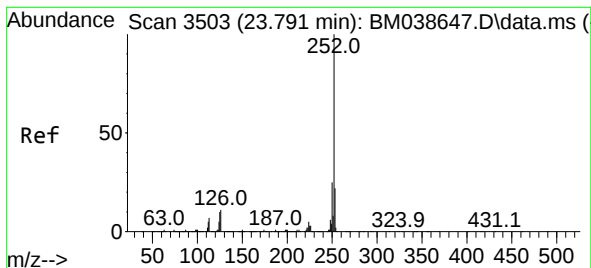
Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

Tgt Ion:252 Resp: 73523

Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.4	26.0
125	16.9	6.6	9.8





#90

Benzo(a)pyrene

Concen: 9.887 ng

RT: 23.762 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM038784.D

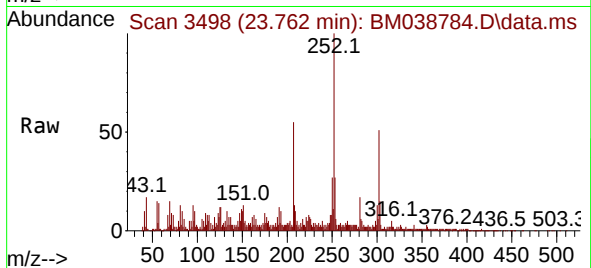
Acq: 17 Feb 2023 21:09

Instrument :

BNA_M

ClientSampleId :

SB-02-4.0-6.0



Tgt Ion:252 Resp: 15740

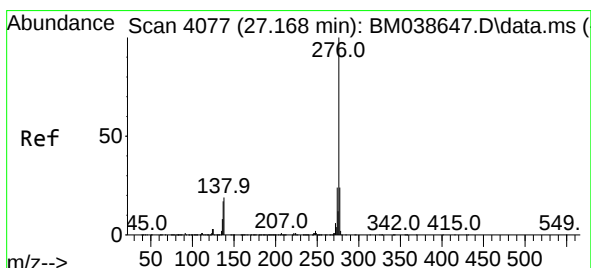
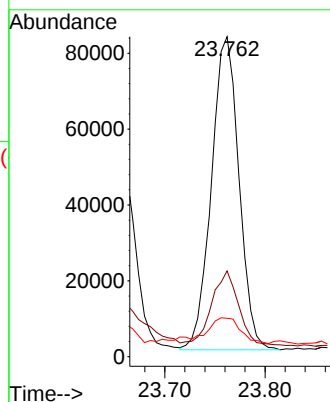
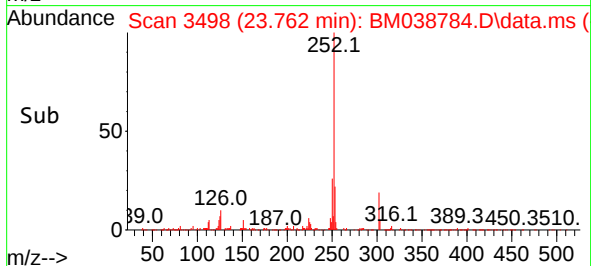
Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.7	26.5
125	12.0	7.8	11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#92

Benzo(g,h,i)perylene

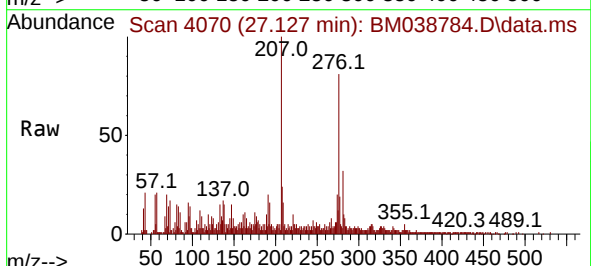
Concen: 5.936 ng

RT: 27.127 min Scan# 4070

Delta R.T. -0.018 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09



Tgt Ion:276 Resp: 106871

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.1	28.7
138	18.4	15.3	22.9

