

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
 Data File : BM047608.D
 Acq On : 23 Sep 2024 17:42
 Operator : RC/JU
 Sample : P4142-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 OR-02-09202024

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024

Quant Time: Sep 23 18:26:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 21 02:22:39 2024
 Response via : Initial Calibration

Supervised By :mohammad
 ahmed
 09/25/2024

Compound	R.T.	QI	on	Response	Conc	Units	Dev(Min)	
Internal Standards								
1) 1,4-Dichlorobenzene-d4	7.839	152		393375	20.000	ng	0.00	
21) Naphthalene-d8	10.633	136		1573874	20.000	ng	0.00	
39) Acenaphthene-d10	14.468	164		826891	20.000	ng	0.00	
64) Phenanthrene-d10	17.203	188		1505315	20.000	ng	0.00	
76) Chrysene-d12	21.427	240		1253488	20.000	ng	-0.01	
86) Perylene-d12	24.450	264		1345250	20.000	ng	-0.01	
System Monitoring Compounds								
5) 2-Fluorophenol	5.416	112		383268	14.931	ng	0.00	
7) Phenol-d6	6.998	99		491105	14.520	ng	0.00	
23) Nitrobenzene-d5	8.986	82		287606	9.097	ng	-0.01	
42) 2,4,6-Tribromophenol	15.951	330		95071	12.417	ng	0.00	
45) 2-Fluorobiphenyl	13.092	172		553448	9.471	ng	-0.01	
79) Terphenyl-d14	19.815	244		665829	9.531	ng	-0.01	
Target Compounds								
								Qvalue
49) Acenaphthylene	14.192	152		413473	5.750	ng		99
52) Acenaphthene	14.527	154		103678	2.183	ng		96
58) Fluorene	15.515	166		203969	3.320	ng		99
71) Phenanthrene	17.245	178		2358215	28.861	ng		100
72) Anthracene	17.333	178		710566	9.178	ng		99
73) Carbazole	17.598	167		257466	3.192	ng		99
75) Fluoranthene	19.256	202		2203734	24.501	ng		100
78) Pyrene	19.615	202		2195126	25.021	ng		99
81) Benzo(a)anthracene	21.409	228		844617	10.248	ng		94
83) Chrysene	21.474	228		804986	10.270	ng		98
87) Indeno(1,2,3-cd)pyrene	27.856	276		356195	3.851	ng	#	94
88) Benzo(b)fluoranthene	23.497	252		746546	8.830	ng		97
89) Benzo(k)fluoranthene	23.556	252		241769m	2.913	ng		
90) Benzo(a)pyrene	24.309	252		633030	8.831	ng		98
92) Benzo(g,h,i)perylene	28.920	276		386909	4.996	ng		97

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

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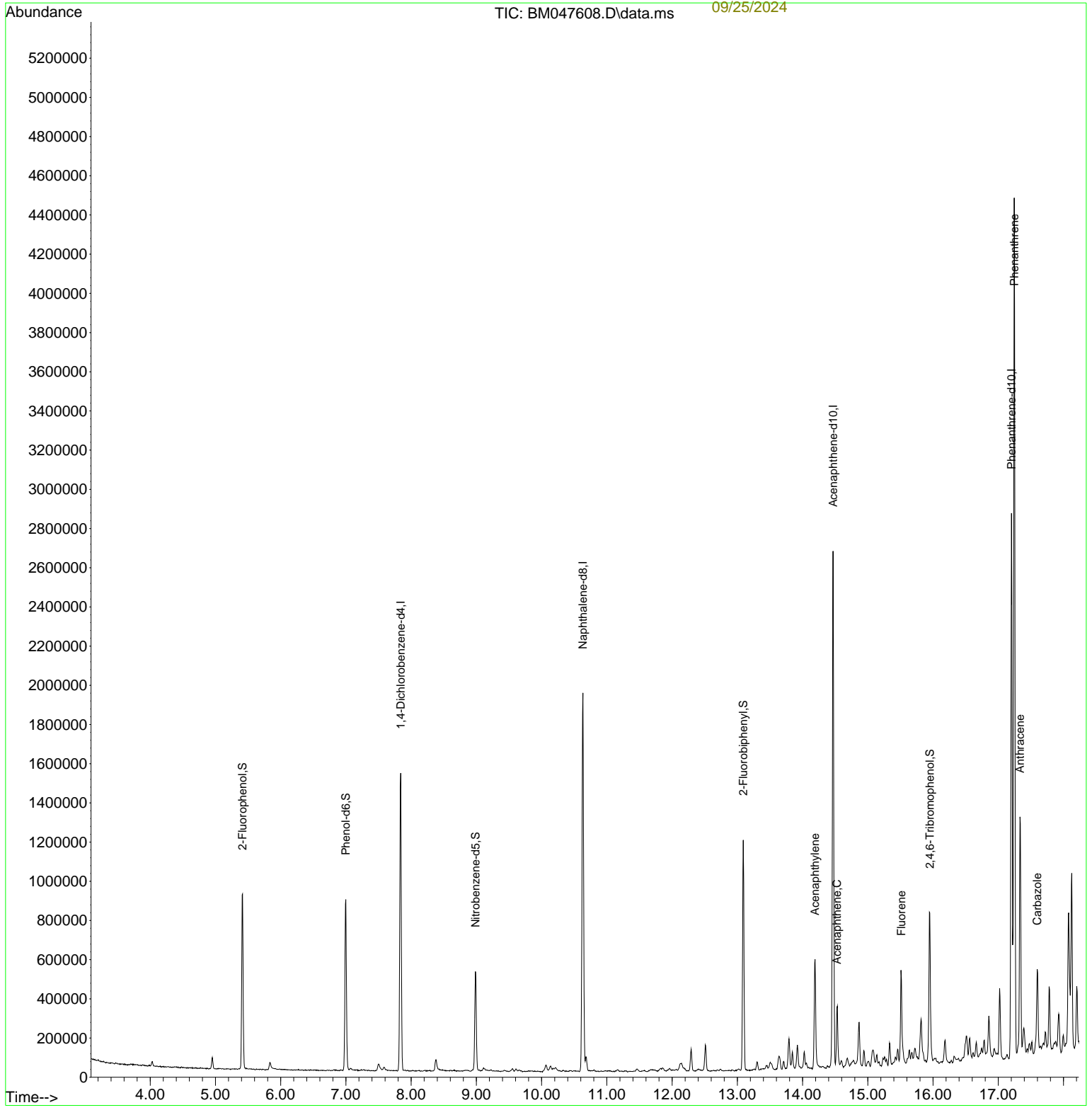
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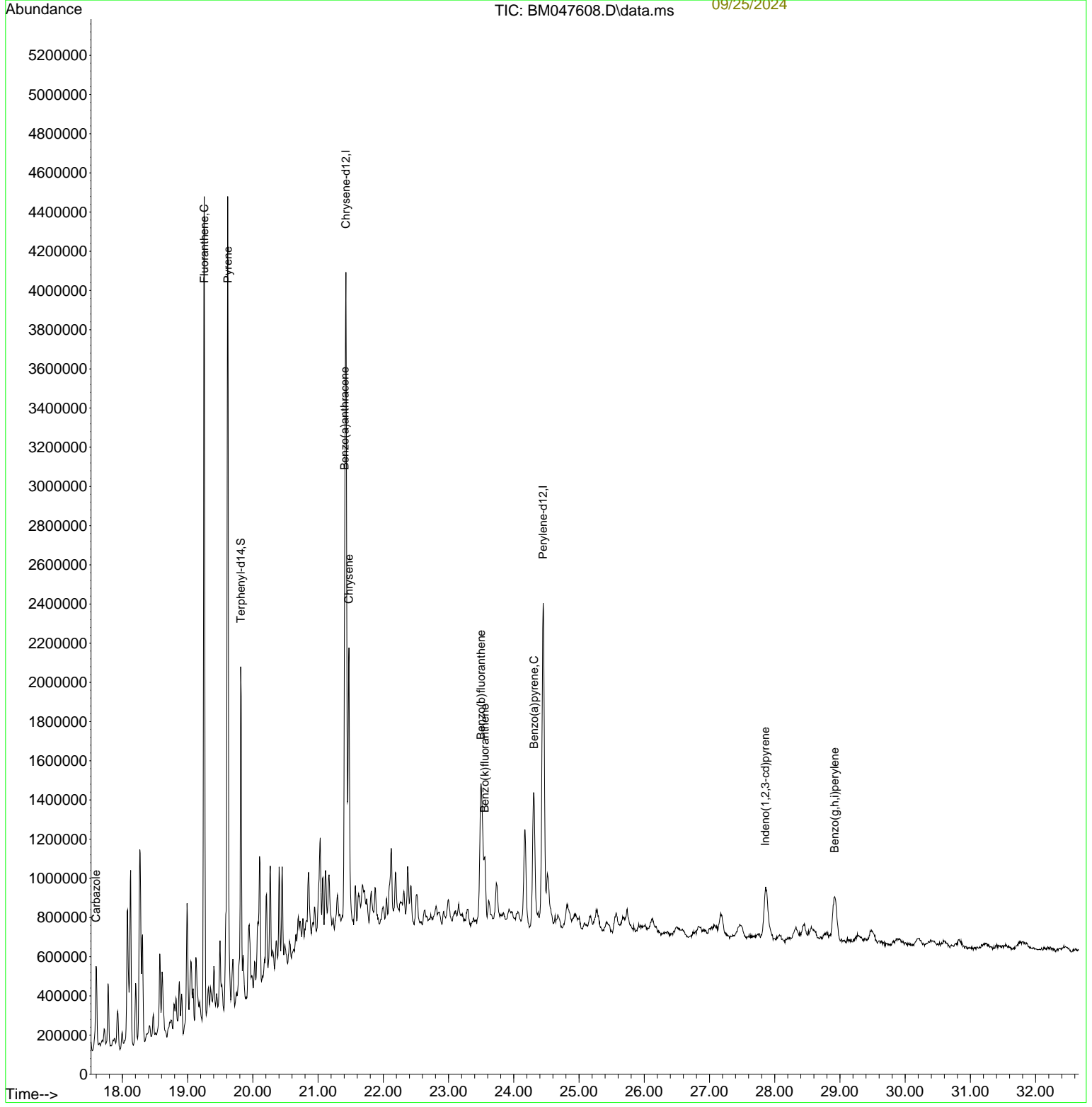


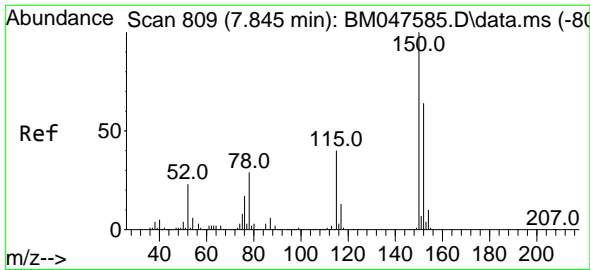
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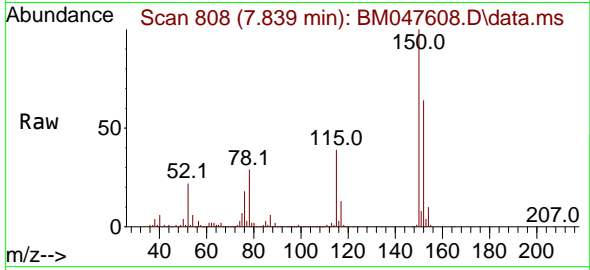
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.839 min Scan# 809
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Instrument :

BNA_M

Client Sample Id :

OR-02-09202024



Tgt Ion:152 Resp: 393379
 Ion Ratio Lower Upper
 152 100
 150 156.4 124.5 186.7
 115 61.5 49.9 74.9

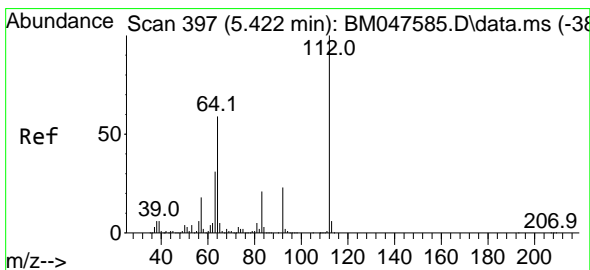
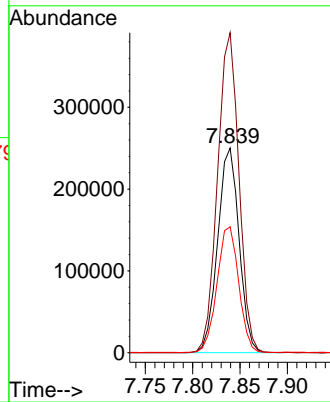
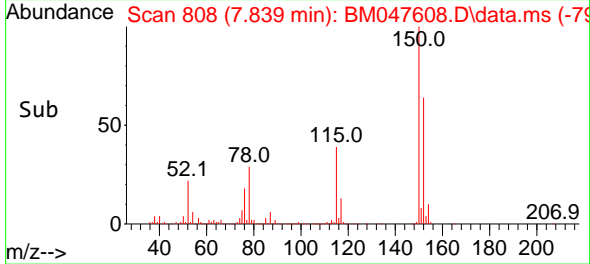
Manual Integrations

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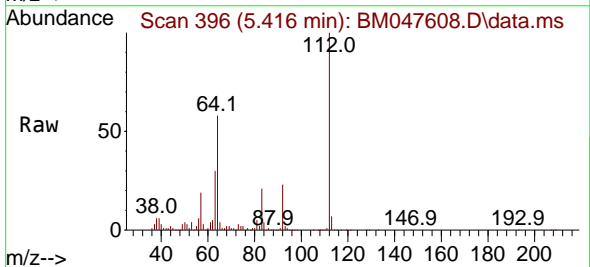
Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024

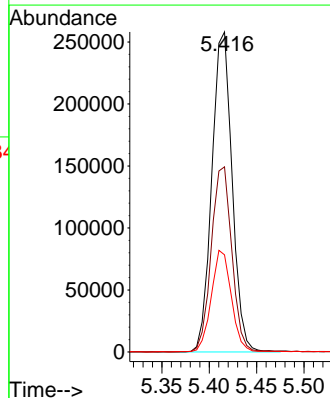
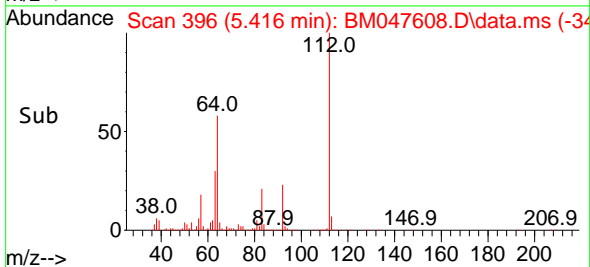
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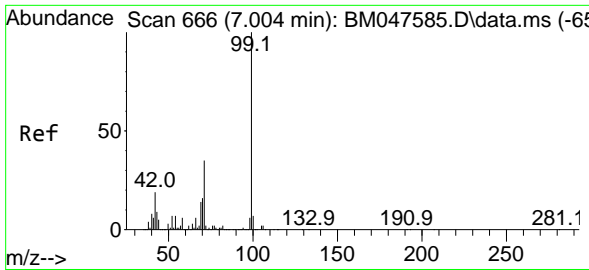


#5
 2-Fluorophenol
 Concen: 14.931 ng
 RT: 5.416 min Scan# 396
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



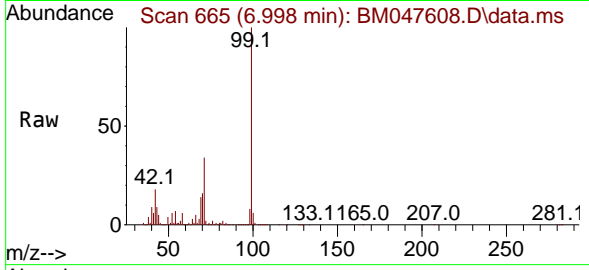
Tgt Ion:112 Resp: 383268
 Ion Ratio Lower Upper
 112 100
 64 57.9 46.8 70.2
 63 30.3 25.2 37.8





#7
 Phenol-d6
 Concen: 14.520 ng
 RT: 6.998 min Scan# 60
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

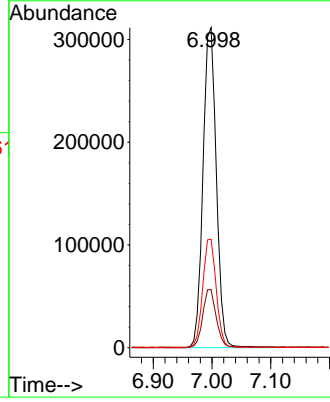
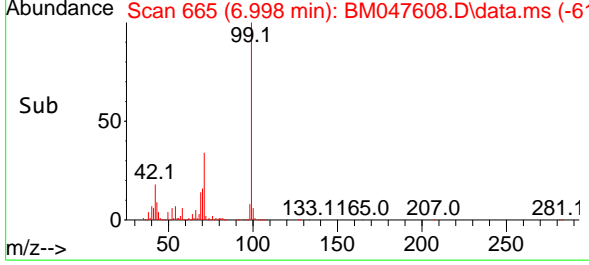
Instrument :
 BNA_M
 ClientSampleId :
 OR-02-092024



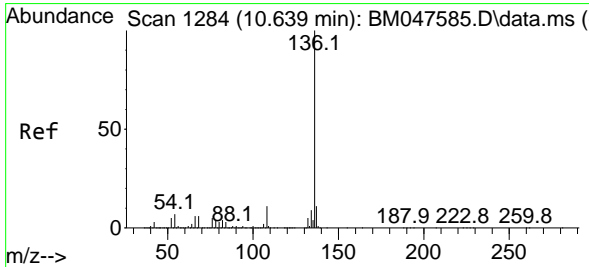
Tgt Ion: 99 Resp: 49110
 Ion Ratio Lower Upper
 99 100
 42 18.1 15.3 22.9
 71 33.9 27.8 41.6

Manual Integrations
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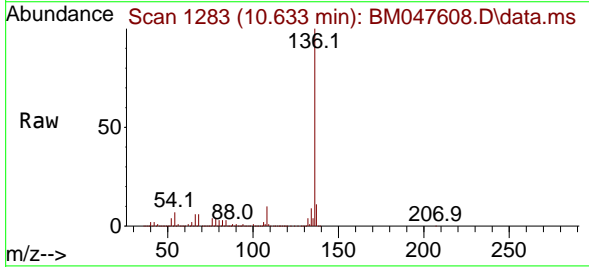
Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024



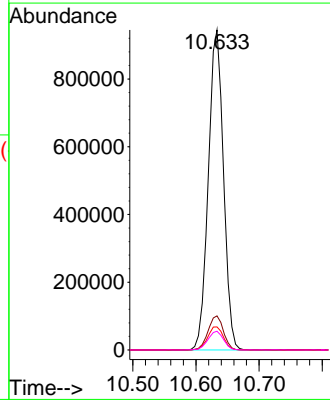
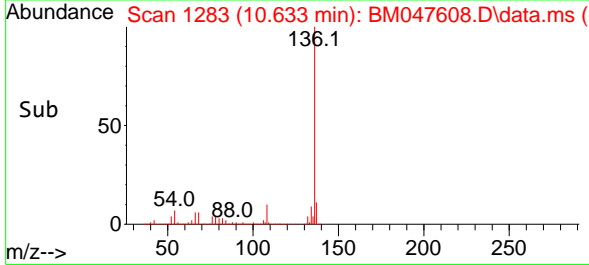
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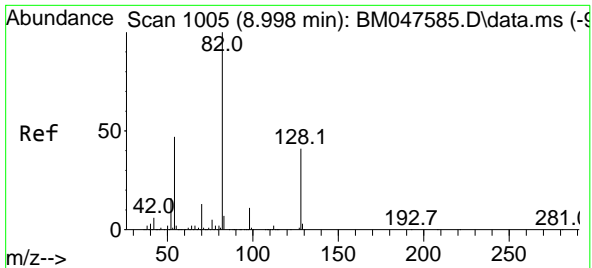


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.633 min Scan# 1283
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



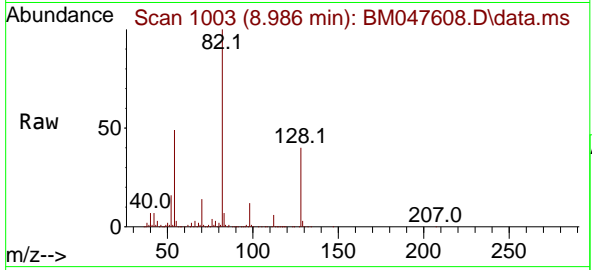
Tgt Ion:136 Resp: 1573874
 Ion Ratio Lower Upper
 136 100
 137 10.6 9.0 13.4
 54 7.2 6.0 9.0
 68 5.9 4.6 7.0





#23
 Nitrobenzene-d5
 Concen: 9.097 ng
 RT: 8.986 min Scan# 1003
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

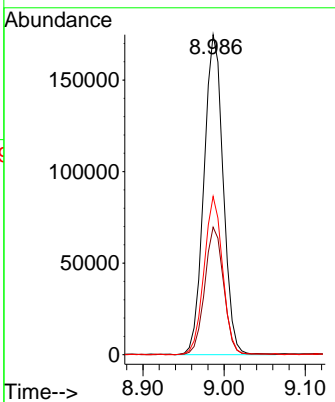
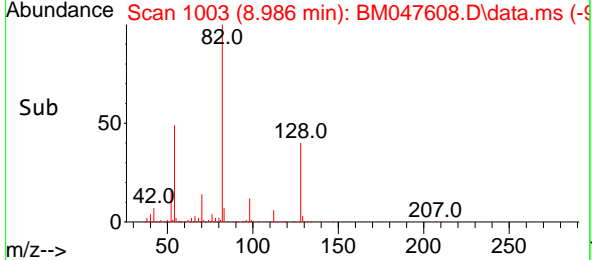
Instrument : BNA_M
 ClientSampleId : OR-02-092024



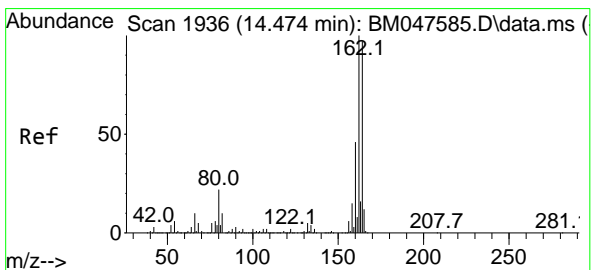
Tgt Ion: 82 Resp: 287600

Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.5	48.7
54	49.4	37.5	56.3

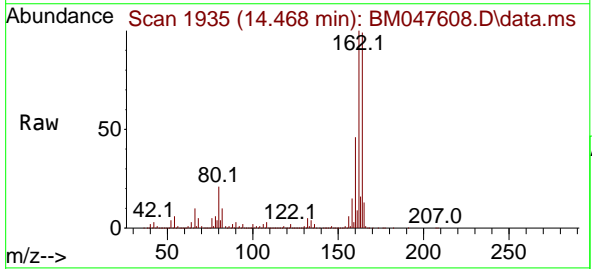
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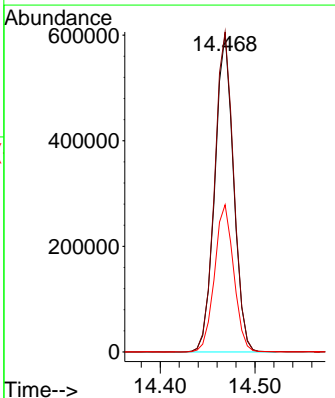
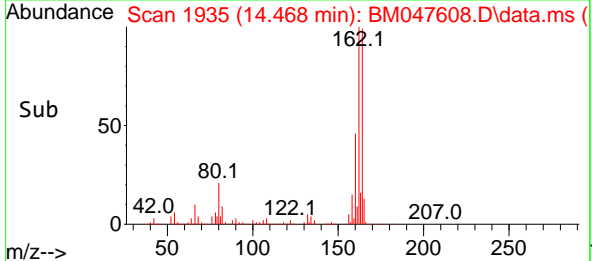


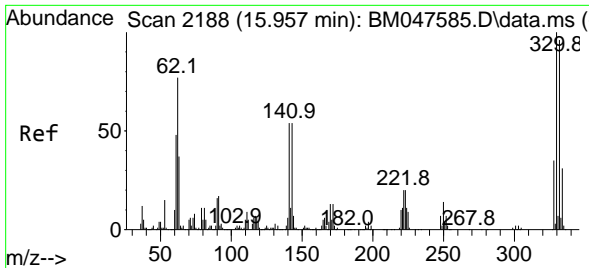
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.468 min Scan# 1935
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



Tgt Ion:164 Resp: 826891

Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.6	123.8
160	46.2	37.8	56.6





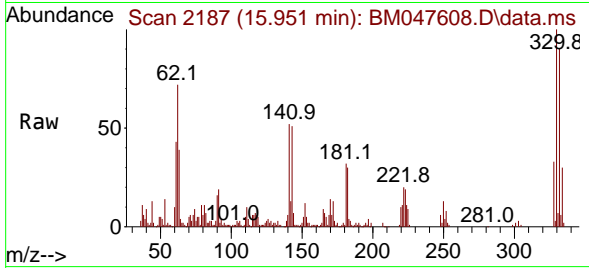
#42
 2,4,6-Tribromophenol
 Concen: 12.417 ng
 RT: 15.951 min Scan# 2187
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Instrument :

BNA_M

Client Sample Id :

OR-02-09202024



Tgt Ion: 330 Resp: 9507

Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.4
141	58.8	45.9	68.9

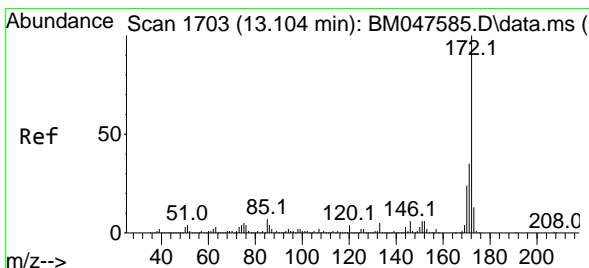
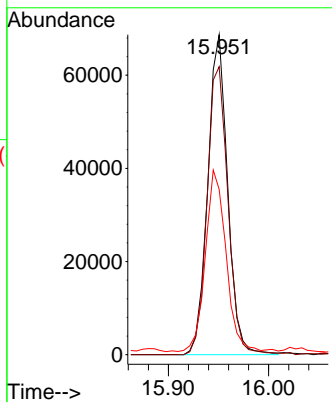
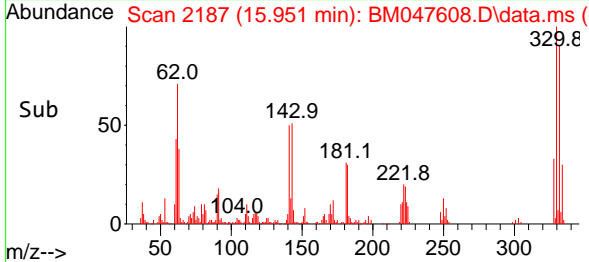
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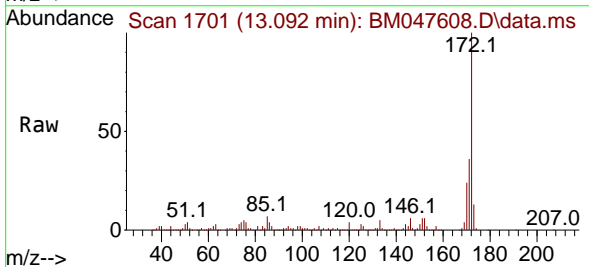
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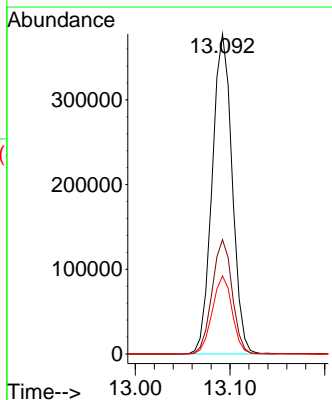
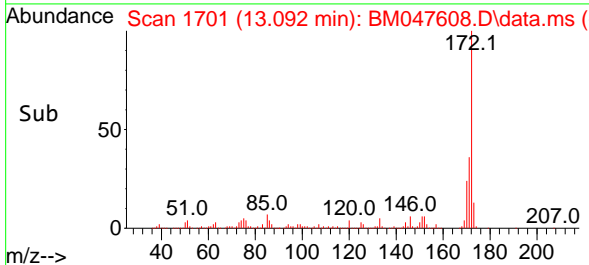


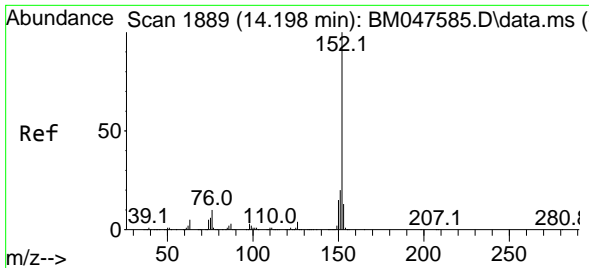
#45
 2-Fluorobiphenyl
 Concen: 9.471 ng
 RT: 13.092 min Scan# 1701
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



Tgt Ion: 172 Resp: 553448

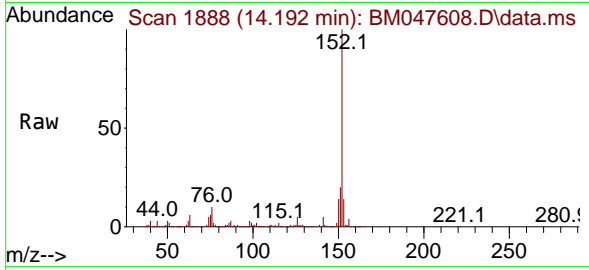
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.1	42.1
170	24.4	19.0	28.6





#49
 Acenaphthylene
 Concen: 5.750 ng
 RT: 14.192 min Scan# 1888
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Instrument : BNA_M
 ClientSampleId : OR-02-092024

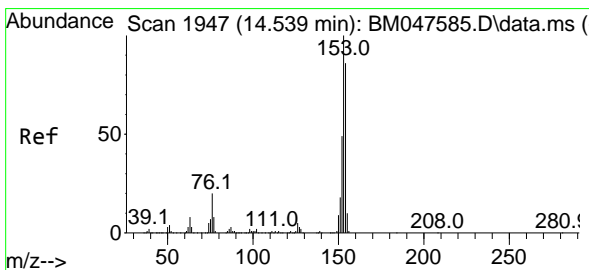
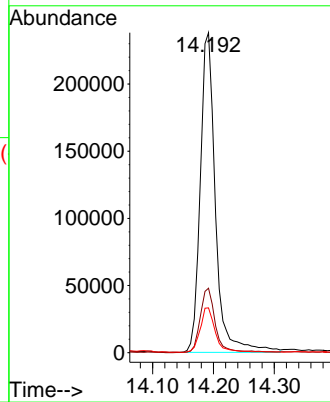
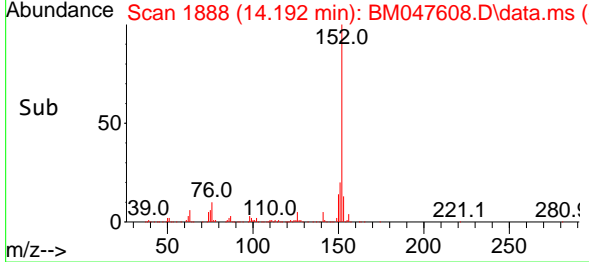


Tgt Ion:152 Resp: 41347
 Ion Ratio Lower Upper
 152 100
 151 20.2 16.2 24.2
 153 14.0 10.4 15.6

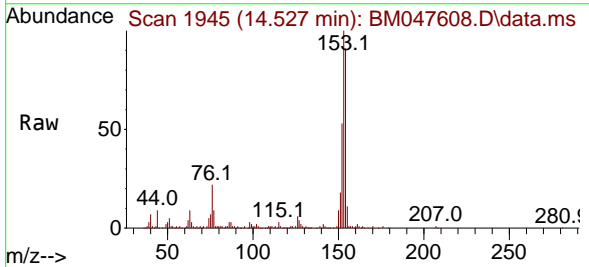
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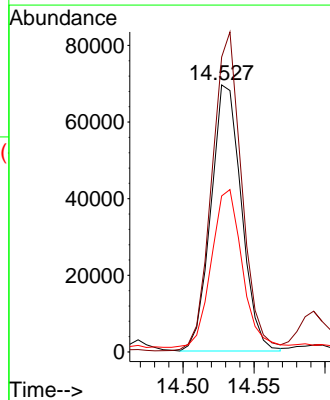
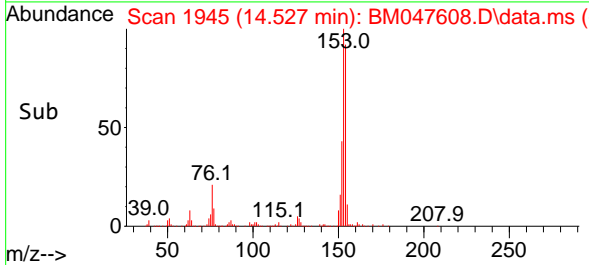
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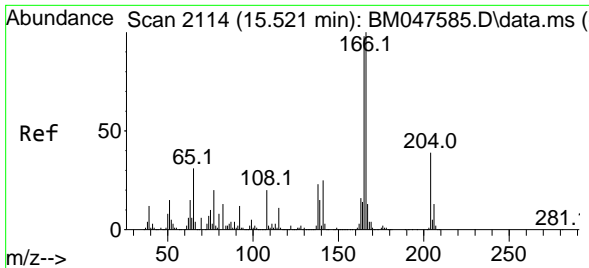


#52
 Acenaphthene
 Concen: 2.183 ng
 RT: 14.527 min Scan# 1945
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



Tgt Ion:154 Resp: 103678
 Ion Ratio Lower Upper
 154 100
 153 110.4 92.8 139.2
 152 58.4 45.7 68.5





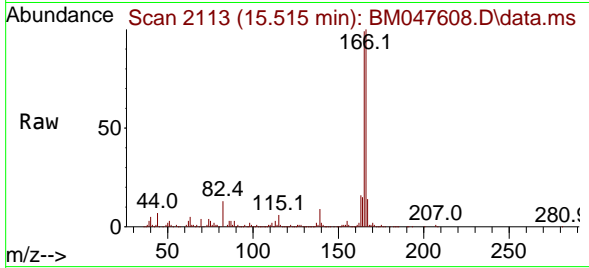
#58
 Fluorene
 Concen: 3.320 ng
 RT: 15.515 min Scan# 2113
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Instrument :

BNA_M

ClientSampleId :

OR-02-092024



Tgt Ion:166 Resp: 203969
 Ion Ratio Lower Upper
 166 100
 165 98.7 78.4 117.6
 167 13.7 10.5 15.7

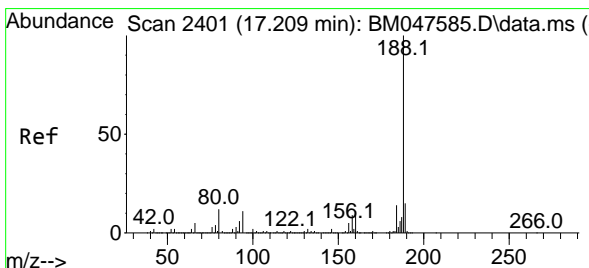
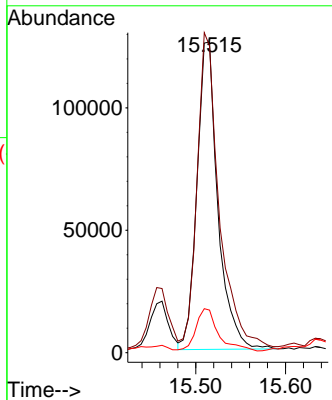
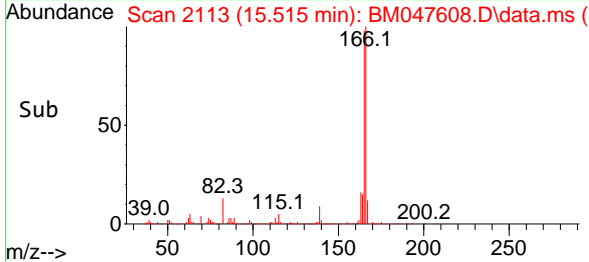
Manual Integrations

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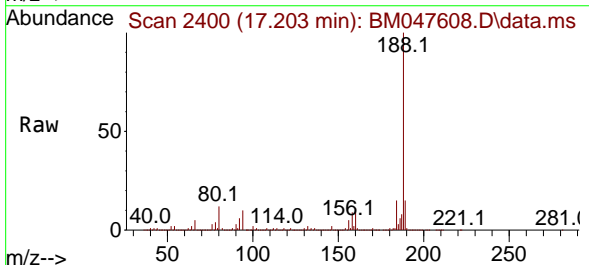
Reviewed By :Yogesh Patel 09/25/2024

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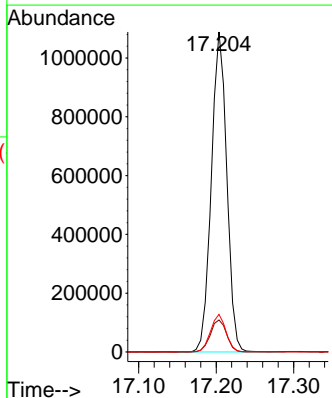
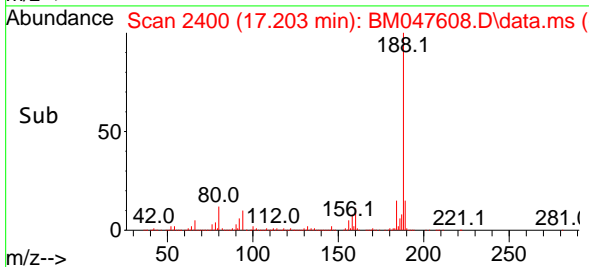
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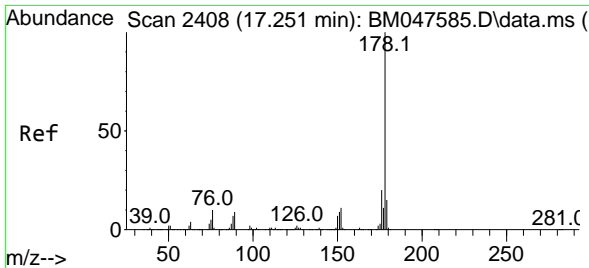


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.203 min Scan# 2400
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



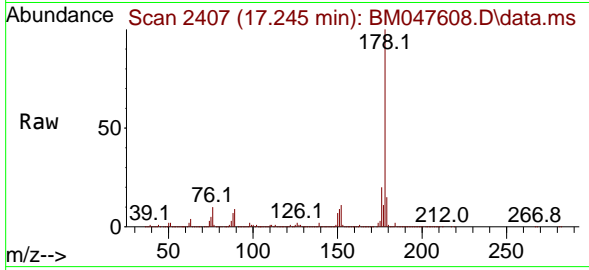
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 Ion Ratio Lower Upper
 188 100
 94 10.0 8.6 13.0
 80 11.8 9.9 14.9





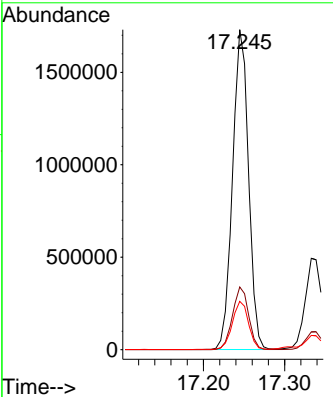
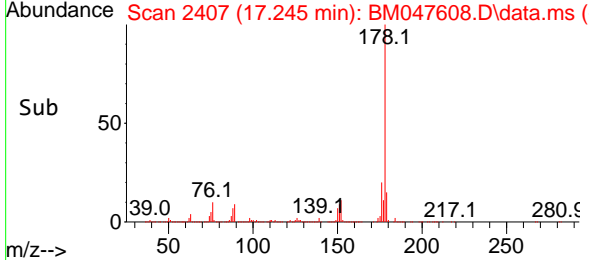
#71
 Phenanthrene
 Concen: 28.861 ng
 RT: 17.245 min Scan# 2407
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Instrument : BNA_M
 ClientSampleId : OR-02-09202024

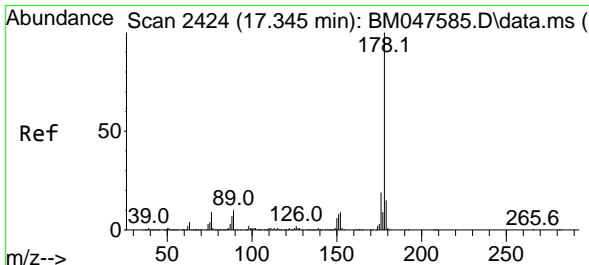


Tgt Ion:178 Resp: 235821
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.1 12.2 18.2

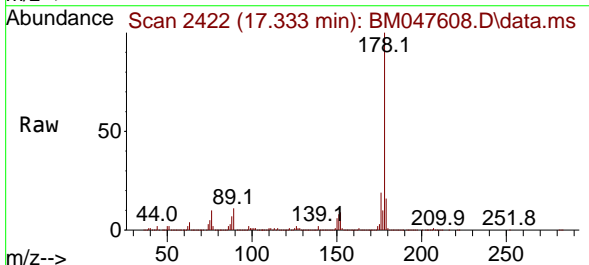
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 Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024



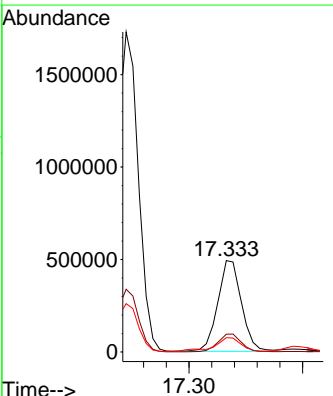
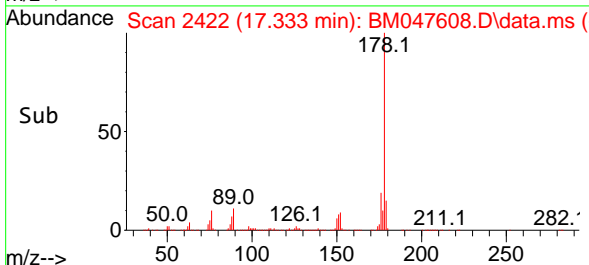
Supervised By :mohammad ahmed
 09/25/2024

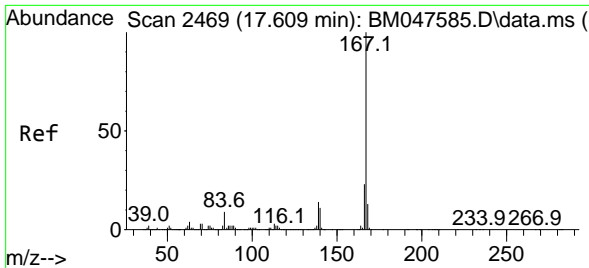


#72
 Anthracene
 Concen: 9.178 ng
 RT: 17.333 min Scan# 2422
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



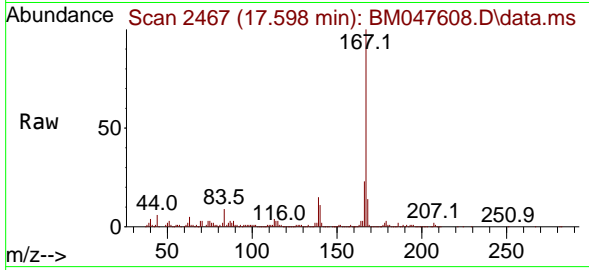
Tgt Ion:178 Resp: 710566
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.6 12.2 18.2





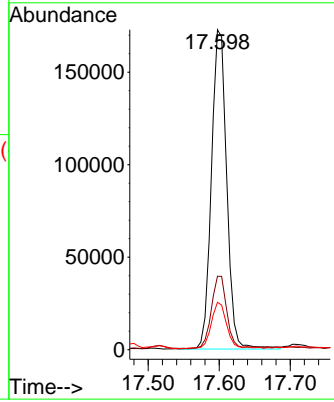
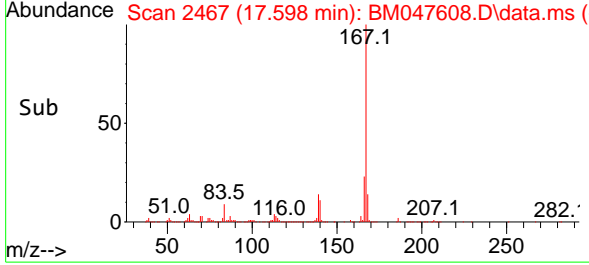
#73
 Carbazole
 Concen: 3.192 ng
 RT: 17.598 min Scan# 2467
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Instrument : BNA_M
 Client Sample Id : OR-02-092024

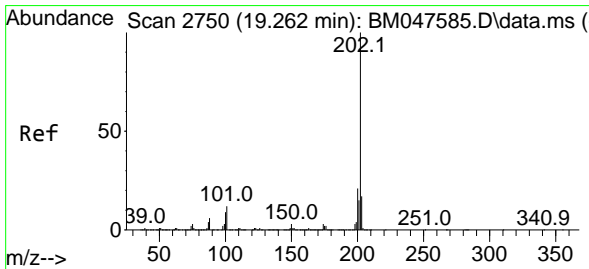


Tgt Ion:167 Resp: 25746
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.0 27.0
 139 14.8 11.3 16.9

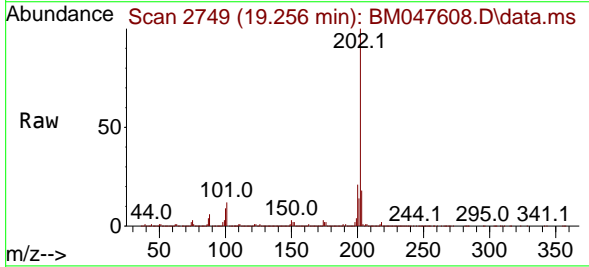
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 Supervised By :mohammad ahmed 09/25/2024



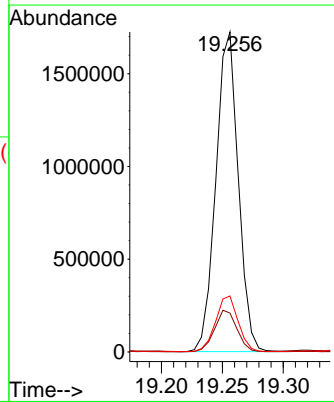
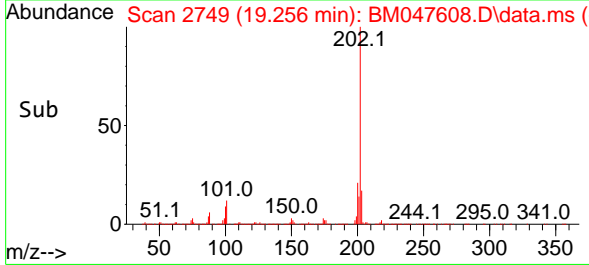
Supervised By :mohammad ahmed
 09/25/2024

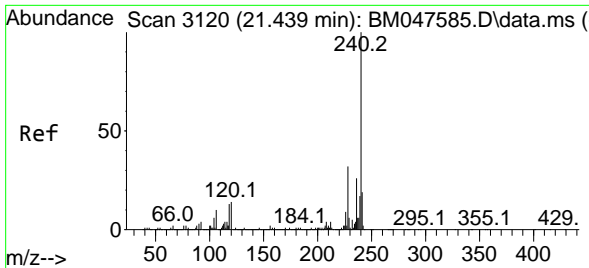


#75
 Fluoranthene
 Concen: 24.501 ng
 RT: 19.256 min Scan# 2749
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



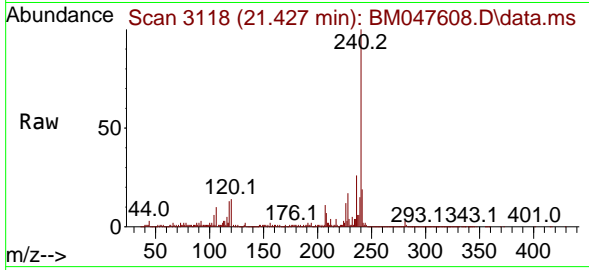
Tgt Ion:202 Resp: 2203734
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 32.2
 203 17.5 0.0 37.4





#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.427 min Scan# 3118
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

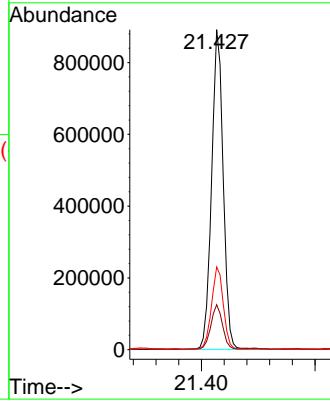
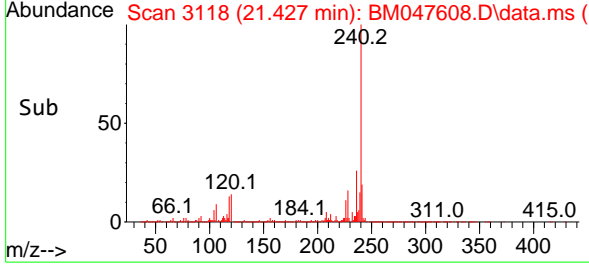
Instrument : BNA_M
 ClientSampleId : OR-02-092024



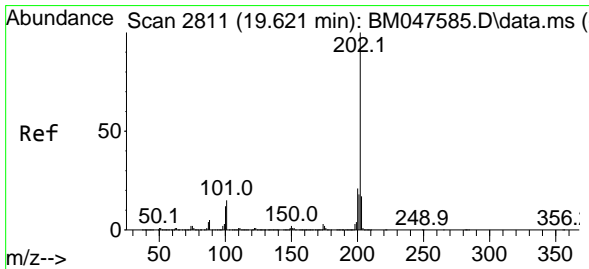
Tgt Ion:240 Resp: 125348
 Ion Ratio Lower Upper
 240 100
 120 14.0 10.8 16.2
 236 25.8 20.8 31.2

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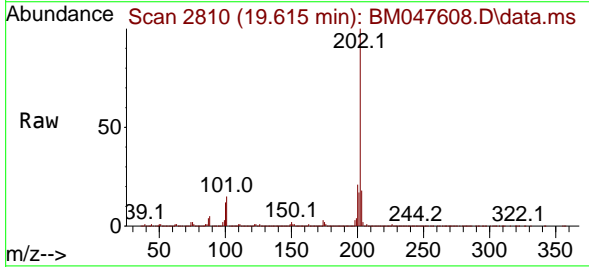
Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024



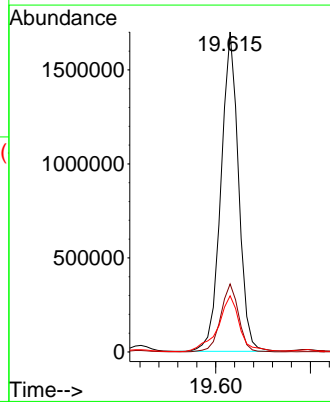
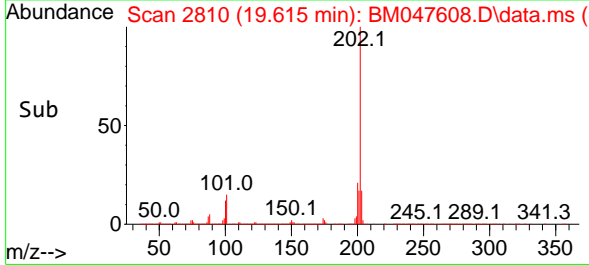
Supervised By :mohammad ahmed
 09/25/2024

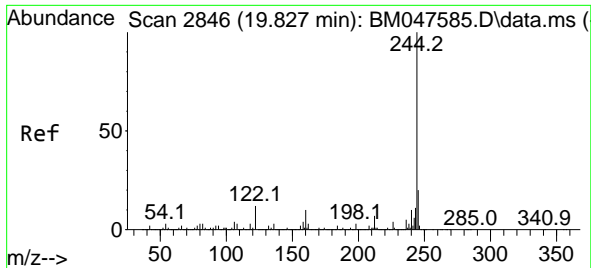


#78
 Pyrene
 Concen: 25.021 ng
 RT: 19.615 min Scan# 2810
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



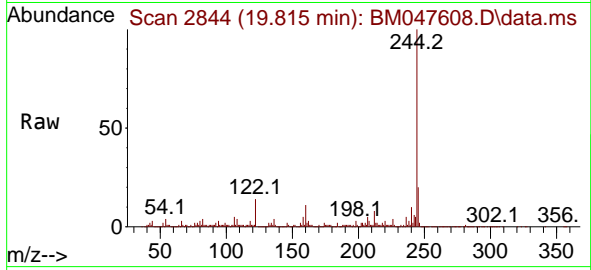
Tgt Ion:202 Resp: 2195126
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.2 25.8
 203 17.6 13.8 20.8





#79
 Terphenyl-d14
 Concen: 9.531 ng
 RT: 19.815 min Scan# 2844
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

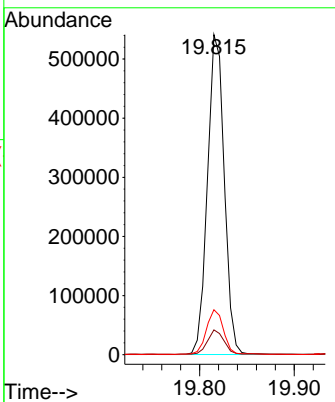
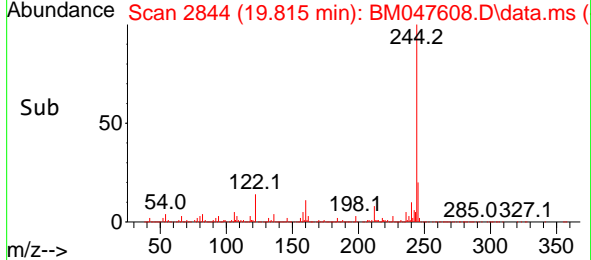
Instrument : BNA_M
 Client Sample Id : OR-02-09202024



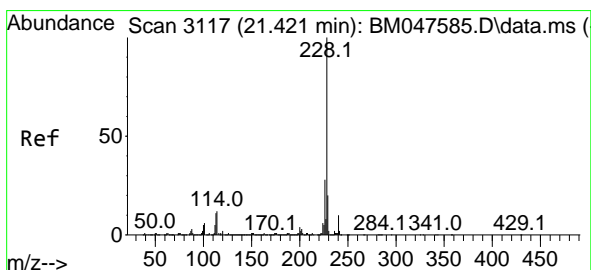
Tgt Ion: 244 Resp: 665829
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 14.0 10.0 15.0

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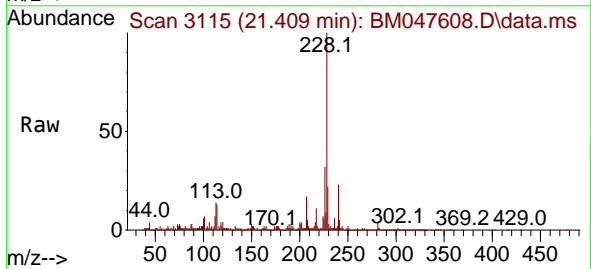
Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024



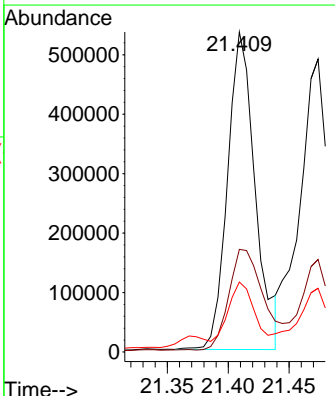
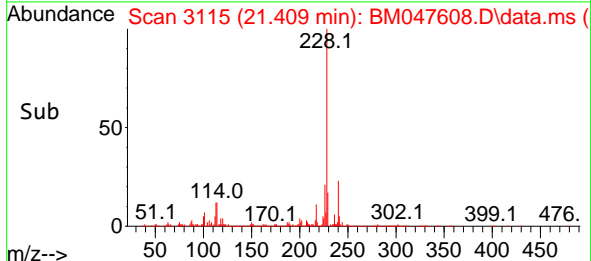
Supervised By :mohammad ahmed
 09/25/2024

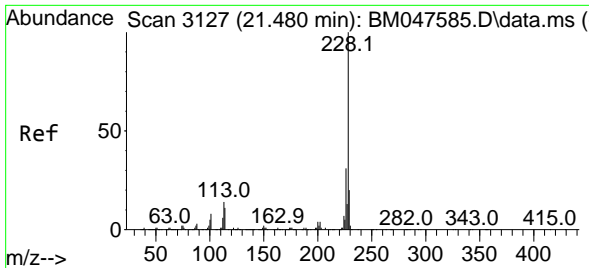


#81
 Benzo(a)anthracene
 Concen: 10.248 ng
 RT: 21.409 min Scan# 3115
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



Tgt Ion: 228 Resp: 844617
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.4 33.6
 229 21.8 16.0 24.0





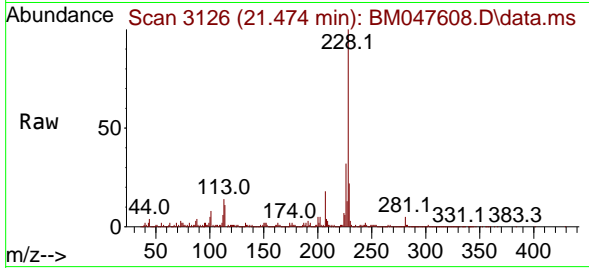
#83
 Chrysene
 Concen: 10.270 ng
 RT: 21.474 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Instrument :

BNA_M

Client Sample Id :

OR-02-092024



Tgt Ion: 228 Resp: 804980
 Ion Ratio Lower Upper
 228 100
 226 31.6 24.9 37.3
 229 21.7 15.8 23.6

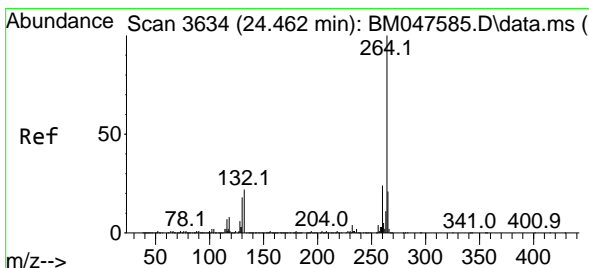
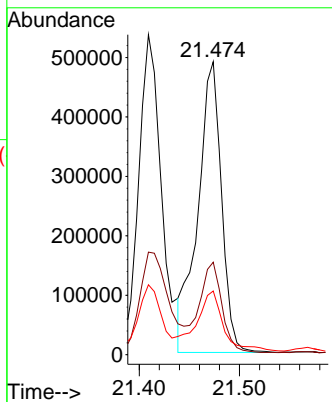
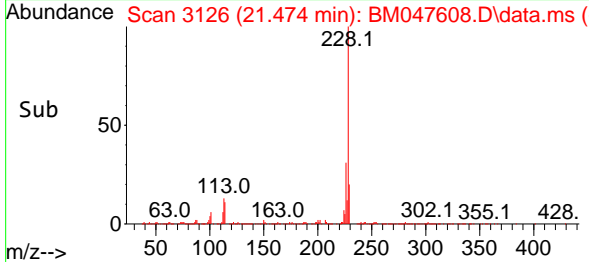
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Reviewed By :Yogesh Patel 09/25/2024

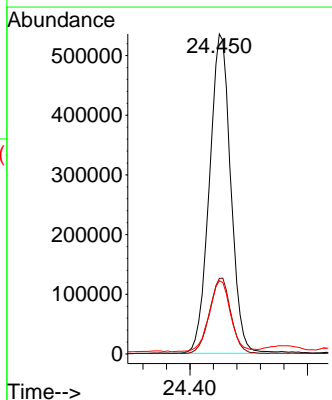
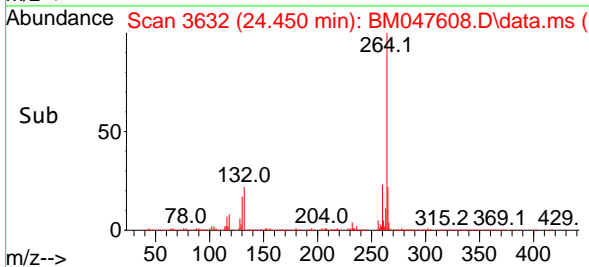
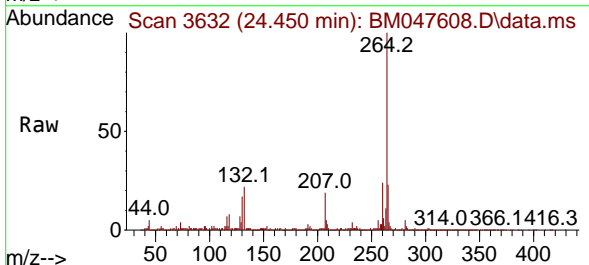
Supervised By :mohammad ahmed 09/25/2024

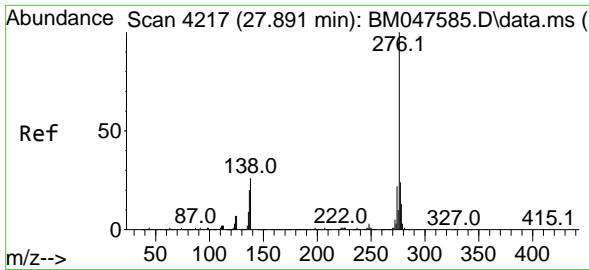
Supervised By :mohammad
 ahmed
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.450 min Scan# 3632
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Tgt Ion: 264 Resp: 1345250
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 22.9 17.0 25.6





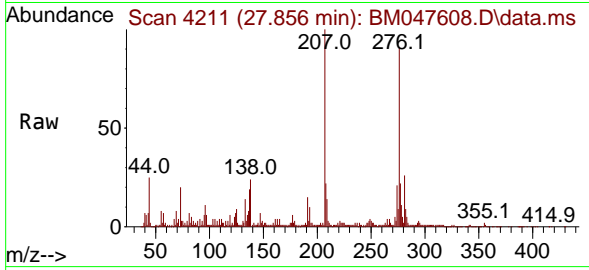
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.851 ng
 RT: 27.856 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Instrument :

BNA_M

ClientSampleId :

OR-02-092024



Tgt Ion:276 Resp: 35619
 Ion Ratio Lower Upper
 276 100
 138 28.4 18.1 27.1
 277 25.4 20.0 30.0

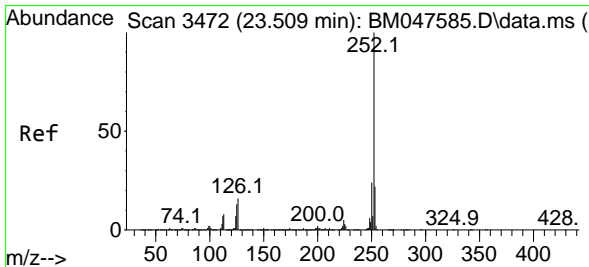
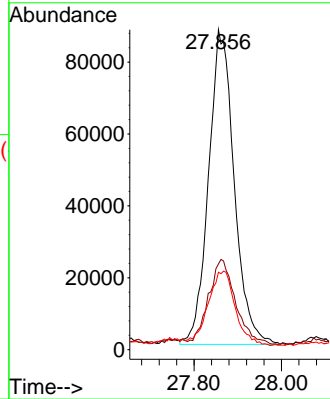
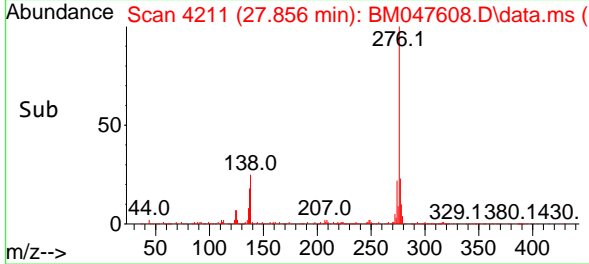
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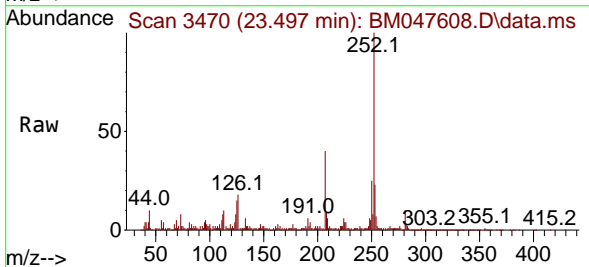
Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024

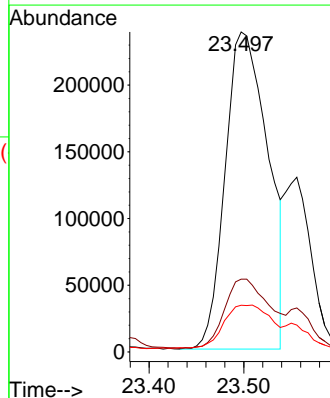
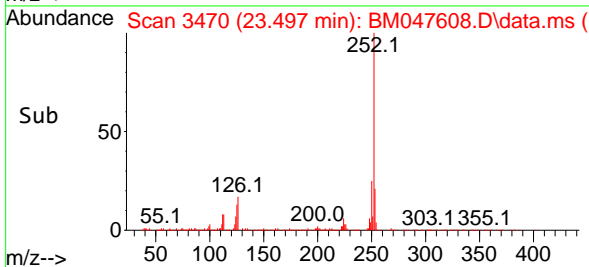
Supervised By :mohammad
 ahmed
 09/25/2024

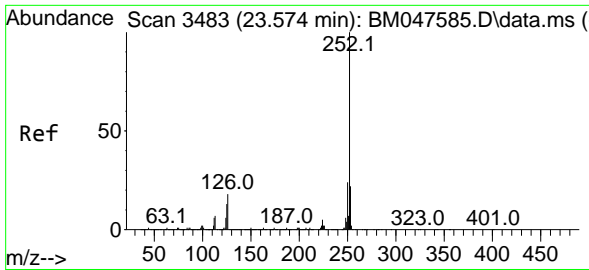


#88
 Benzo(b)fluoranthene
 Concen: 8.830 ng
 RT: 23.497 min Scan# 3470
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



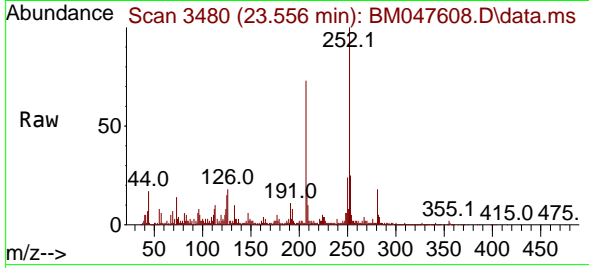
Tgt Ion:252 Resp: 746546
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.4 26.0
 125 14.6 10.2 15.2





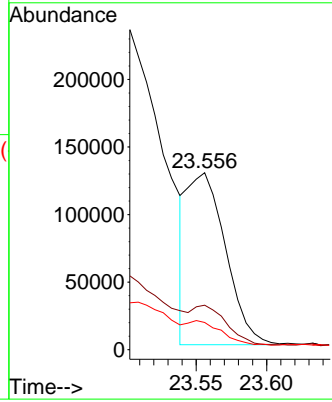
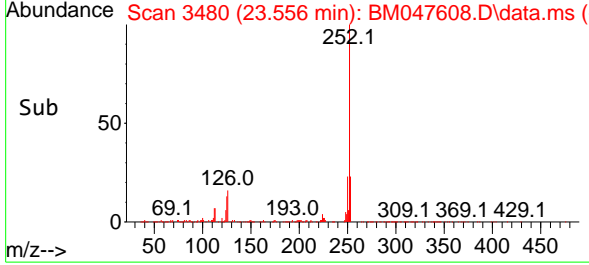
#89
 Benzo(k)fluoranthene
 Concen: 2.913 ng m
 RT: 23.556 min Scan# 3480
 Delta R.T. -0.018 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Instrument : BNA_M
 ClientSampleId : OR-02-092024

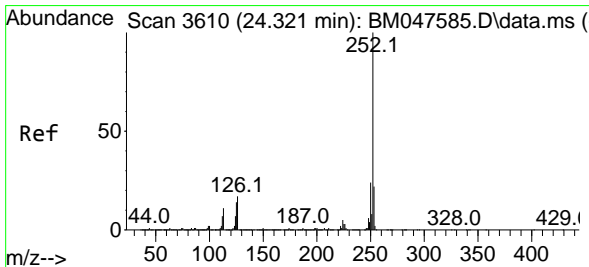


Tgt Ion:252 Resp: 241769
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.6 26.4
 125 15.4 10.2 15.4

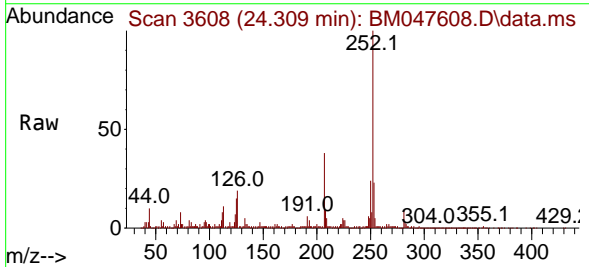
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APPROVED
 Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024



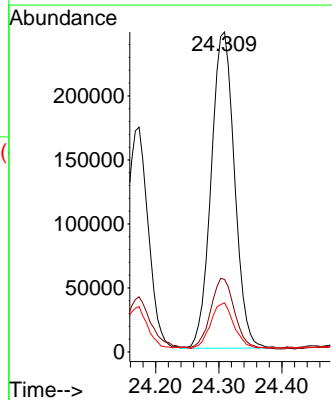
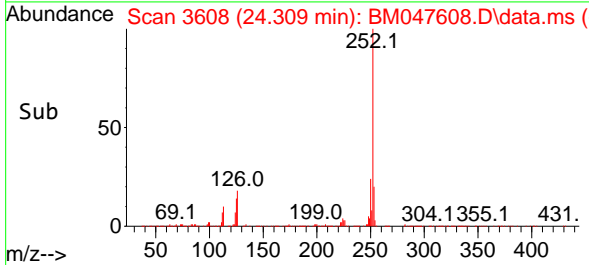
Supervised By :mohammad ahmed
 09/25/2024

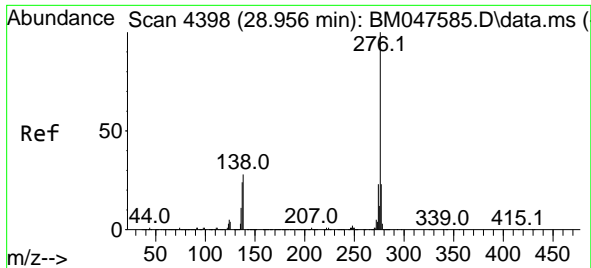


#90
 Benzo(a)pyrene
 Concen: 8.831 ng
 RT: 24.309 min Scan# 3608
 Delta R.T. -0.012 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42



Tgt Ion:252 Resp: 633030
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.4 26.0
 125 15.4 11.5 17.3





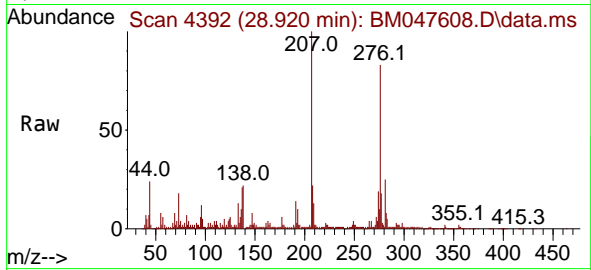
#92
 Benzo(g,h,i)perylene
 Concen: 4.996 ng
 RT: 28.920 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: BM047608.D
 Acq: 23 Sep 2024 17:42

Instrument :

BNA_M

ClientSampleId :

OR-02-09202024



Tgt Ion:276 Resp: 386908
 Ion Ratio Lower Upper
 276 100
 277 21.4 18.3 27.5
 138 26.5 22.3 33.5

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024

Supervised By :mohammad
 ahmed
 09/25/2024

