

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072922\
 Data File : BM035997.D
 Acq On : 29 Jul 2022 17:53
 Operator : CG/JU
 Sample : N3790-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBUL8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2022
 Supervised By :mohammad ahmed 08/01/2022

Quant Time: Jul 30 00:24:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM072522.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 30 00:20:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	304901	20.000	ng/u1	0.00
20) Naphthalene-d8	10.681	136	1260646	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	694450	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.251	188	1307423	20.000	ng/u1	0.00
79) Chrysene-d12	21.433	240	1231289	20.000	ng/u1	0.00
88) Perylene-d12	23.797	264	1260989	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	24373	3.008	ng/uL	0.00
4) Pyridine-d5	3.699	84	106873	4.815	ng/u1	0.00
7) Phenol-d5	7.040	99	383973	15.017	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.210	67	248134	14.557	ng/u1	0.00
11) 2-Chlorophenol-d4	7.404	132	329196	15.511	ng/u1	0.00
15) 4-Methylphenol-d8	8.587	113	252920	12.210	ng/u1	0.00
21) Nitrobenzene-d5	9.045	128	157027	15.719	ng/u1	0.00
24) 2-Nitrophenol-d4	9.763	143	152180	15.636	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.304	165	271917	15.448	ng/u1	0.00
31) 4-Chloroaniline-d4	10.822	131	394811	13.249	ng/u1	0.00
46) Dimethylphthalate-d6	13.927	166	848415	17.935	ng/u1	0.00
49) Acenaphthylene-d8	14.210	160	1009699	16.729	ng/u1	0.00
54) 4-Nitrophenol-d4	14.710	143	107436	11.060	ng/u1	0.00
60) Fluorene-d10	15.504	176	754166	17.643	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.621	200	74526	10.604	ng/u1	0.00
73) Anthracene-d10	17.351	188	1117774	18.910	ng/u1	0.00
81) Pyrene-d10	19.645	212	1379712	20.218	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.644	264	1320811	20.632	ng/u1	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.298	178	408863	5.835	ng/u1	100
74) Anthracene	17.386	178	110401	1.570	ng/u1	100
77) Carbazole	17.657	167	67095	1.033	ng/u1	98
80) Fluoranthene	19.309	202	656336	8.050	ng/u1	98
82) Pyrene	19.668	202	500285	5.953	ng/u1	98
85) Benzo(a)anthracene	21.415	228	320050	4.130	ng/u1	99
87) Chrysene	21.468	228	291628	3.857	ng/u1	98
90) Benzo(b)fluoranthene	23.074	252	386351	4.591	ng/u1	97
91) Benzo(k)fluoranthene	23.121	252	118886m	1.489	ng/u1	
93) Benzo(a)pyrene	23.692	252	244823	3.054	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.250	276	167688	1.963	ng/u1#	89
96) Benzo(g,h,i)perylene	27.009	276	121994	1.723	ng/u1	94

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

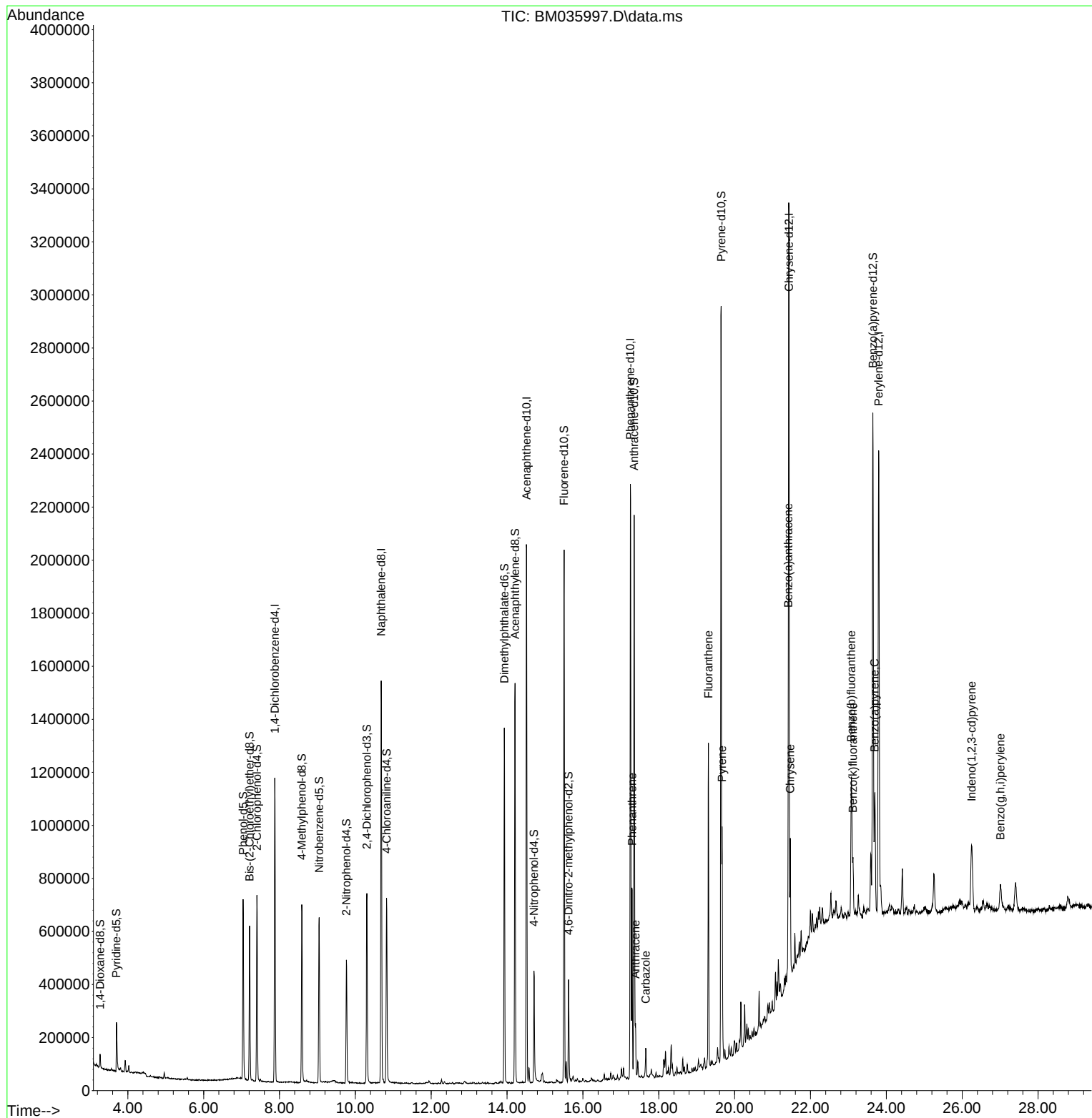
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072922\
 Data File : BM035997.D
 Acq On : 29 Jul 2022 17:53
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 ALS Vial : 10 Sample Multiplier: 1

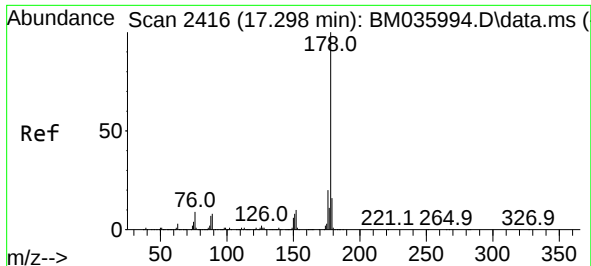
Instrument :
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Quant Time: Jul 30 00:24:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM072522.M
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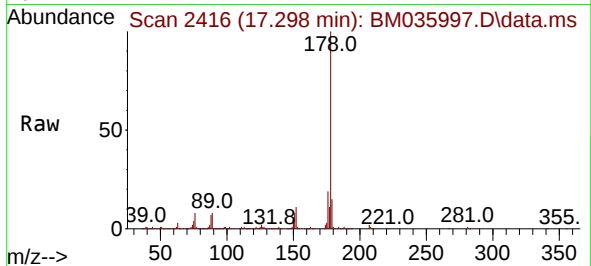
Reviewed By :Jagrut Upadhyay 08/01/2022
 Supervised By :mohammad ahmed 08/01/2022





#72
Phenanthrene
Concen: 5.835 ng/ul
RT: 17.298 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BM035997.D
Acq: 29 Jul 2022 17:53

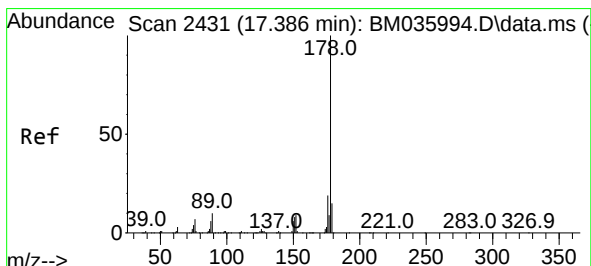
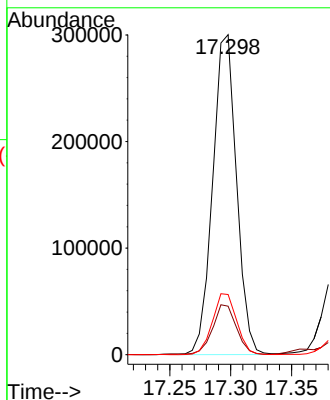
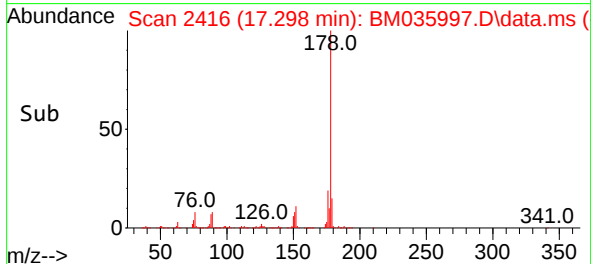
Instrument :
BNA_M
ClientSampleId :
DBUL8



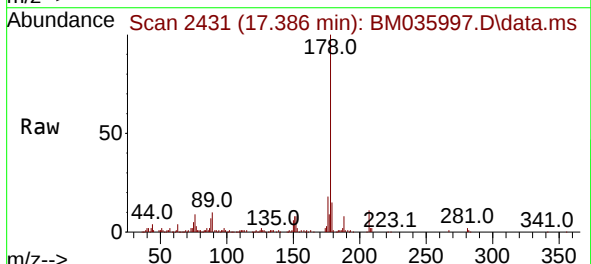
Tgt Ion:178 Resp: 408861
Ion Ratio Lower Upper
178 100
179 15.2 12.2 18.2
176 18.8 14.9 22.3

Manual Integrations
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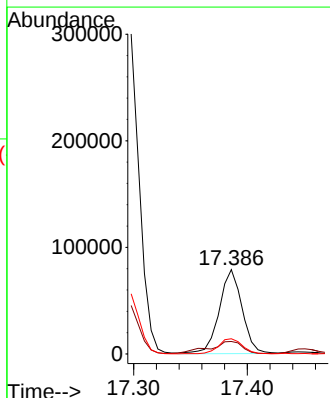
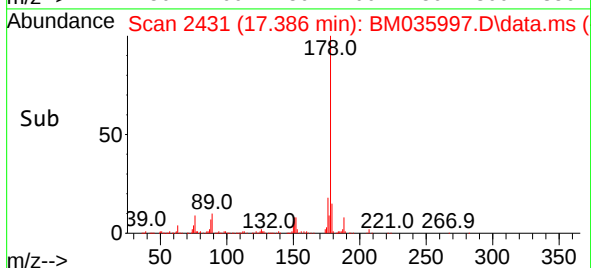
Reviewed By :Jagrut Upadhyay 08/01/2022
Supervised By :mohammad ahmed 08/01/2022

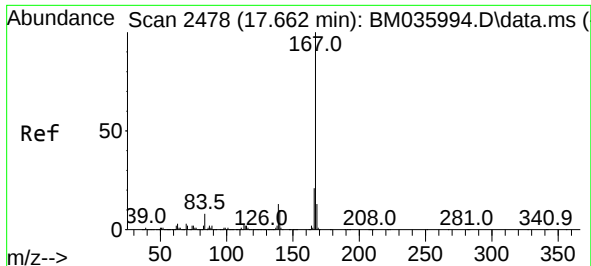


#74
Anthracene
Concen: 1.570 ng/ul
RT: 17.386 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BM035997.D
Acq: 29 Jul 2022 17:53



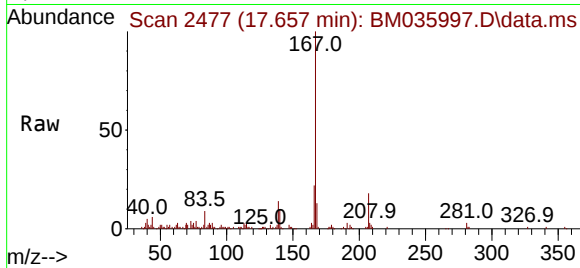
Tgt Ion:178 Resp: 110401
Ion Ratio Lower Upper
178 100
179 14.8 12.2 18.2
176 18.0 14.4 21.6





#77
 Carbazole
 Concen: 1.033 ng/ul
 RT: 17.657 min Scan# 2478
 Delta R.T. -0.006 min
 Lab File: BM035997.D
 Acq: 29 Jul 2022 17:53

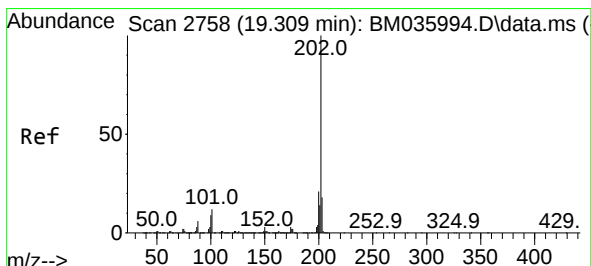
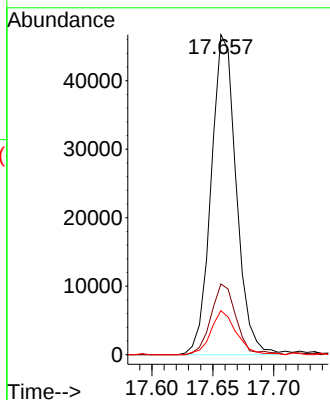
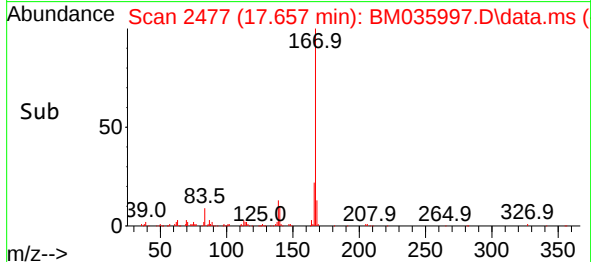
Instrument :
 BNA_M
 ClientSampleId :
 DBUL8



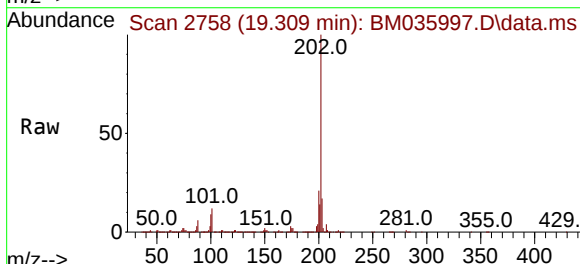
Tgt Ion:167 Resp: 67095
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 13.7 10.1 15.1

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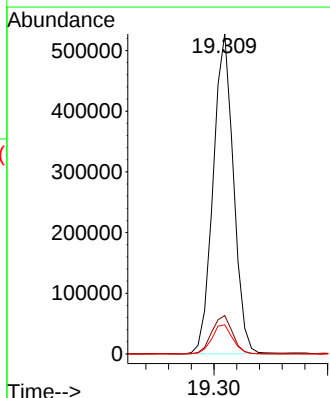
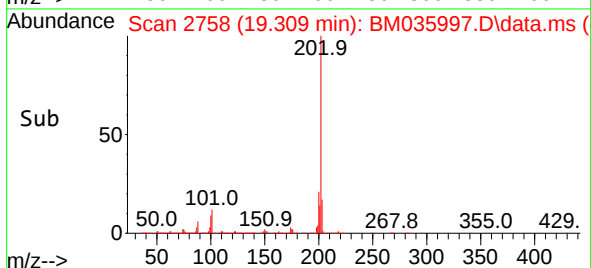
Reviewed By :Jagrut Upadhyay 08/01/2022
 Supervised By :mohammad ahmed 08/01/2022

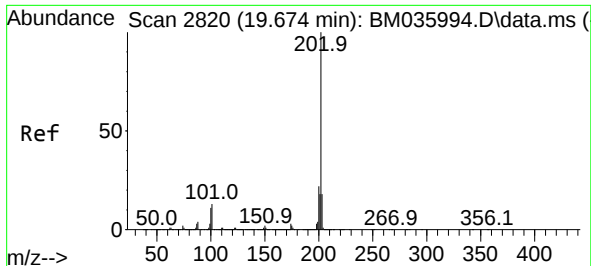


#80
 Fluoranthene
 Concen: 8.050 ng/ul
 RT: 19.309 min Scan# 2758
 Delta R.T. 0.000 min
 Lab File: BM035997.D
 Acq: 29 Jul 2022 17:53



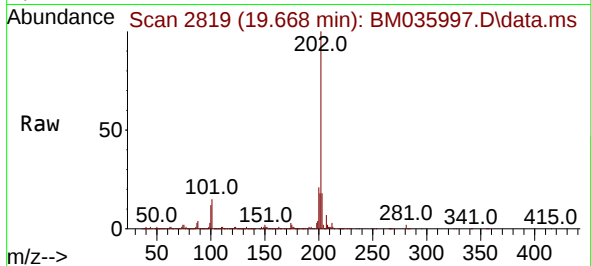
Tgt Ion:202 Resp: 656336
 Ion Ratio Lower Upper
 202 100
 101 12.0 10.1 15.1
 100 9.1 7.8 11.6





#82
 Pyrene
 Concen: 5.953 ng/ul
 RT: 19.668 min Scan# 2819
 Delta R.T. -0.006 min
 Lab File: BM035997.D
 Acq: 29 Jul 2022 17:53

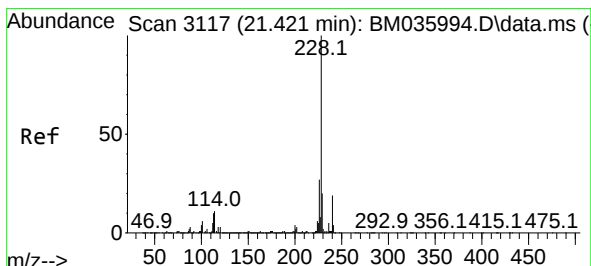
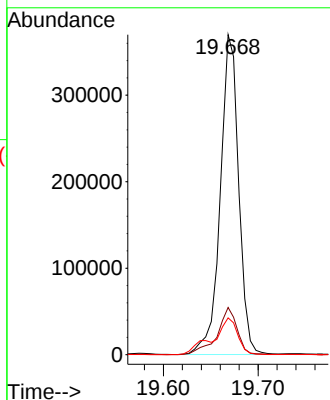
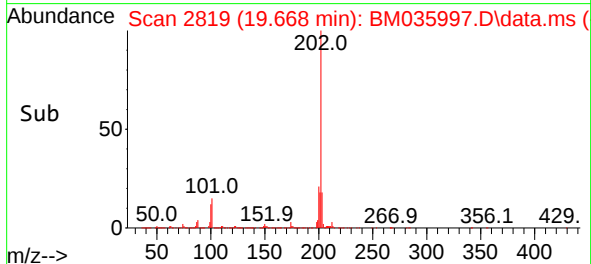
Instrument :
 BNA_M
 ClientSampleId :
 DBUL8



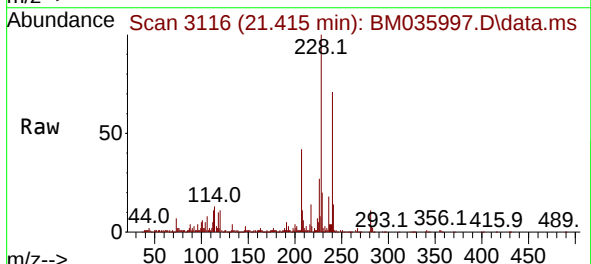
Tgt Ion:202 Resp: 500285
 Ion Ratio Lower Upper
 202 100
 101 14.8 11.9 17.9
 100 11.5 10.2 15.4

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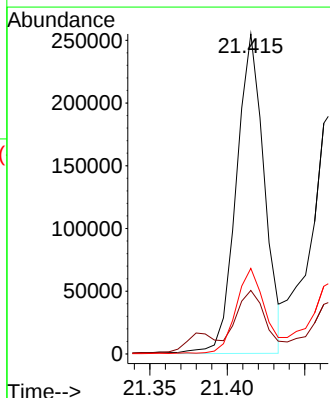
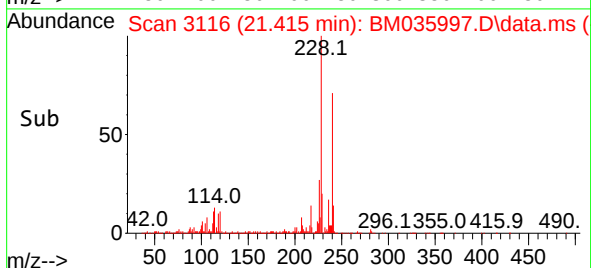
Reviewed By :Jagrut Upadhyay 08/01/2022
 Supervised By :mohammad ahmed 08/01/2022

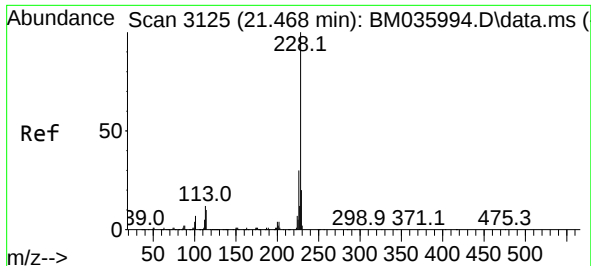


#85
 Benzo(a)anthracene
 Concen: 4.130 ng/ul
 RT: 21.415 min Scan# 3116
 Delta R.T. -0.006 min
 Lab File: BM035997.D
 Acq: 29 Jul 2022 17:53



Tgt Ion:228 Resp: 320050
 Ion Ratio Lower Upper
 228 100
 229 19.9 15.6 23.4
 226 26.8 21.7 32.5





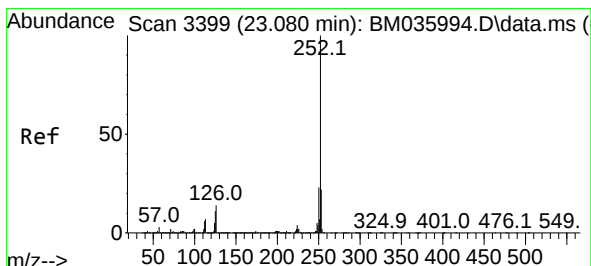
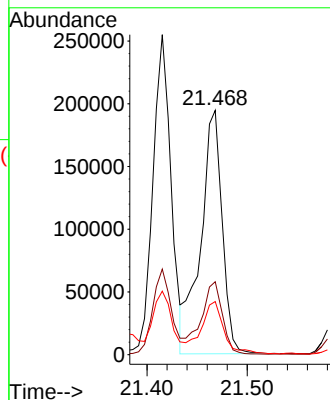
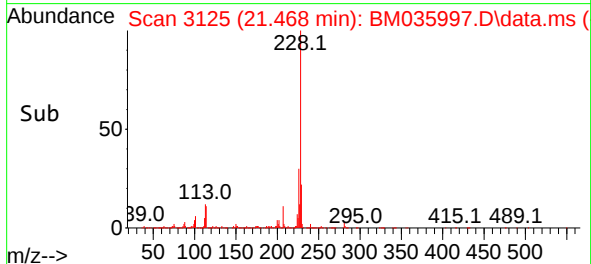
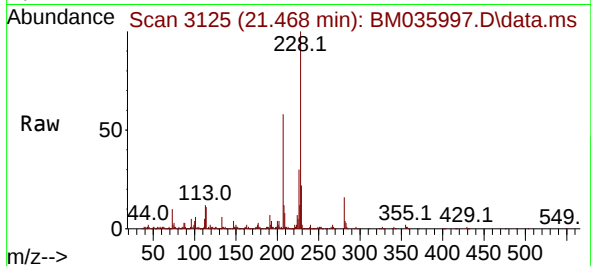
#87
Chrysene
Concen: 3.857 ng/ul
RT: 21.468 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM035997.D
Acq: 29 Jul 2022 17:53

Instrument :
BNA_M
ClientSampleId :
DBUL8

Tgt Ion:228 Resp: 291628
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 21.8 15.5 23.3

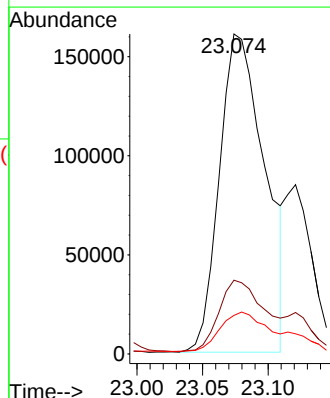
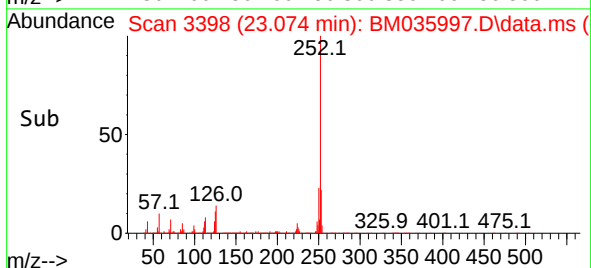
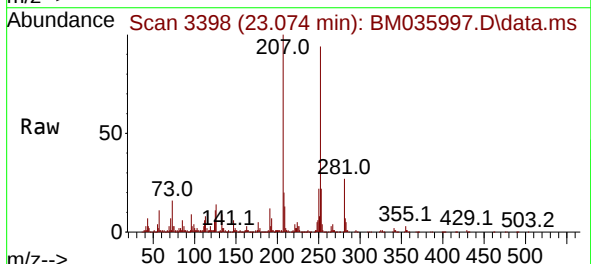
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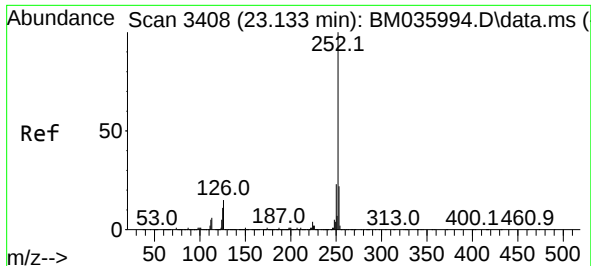
Reviewed By :Jagrut Upadhyay 08/01/2022
Supervised By :mohammad ahmed 08/01/2022



#90
Benzo(b)fluoranthene
Concen: 4.591 ng/ul
RT: 23.074 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BM035997.D
Acq: 29 Jul 2022 17:53

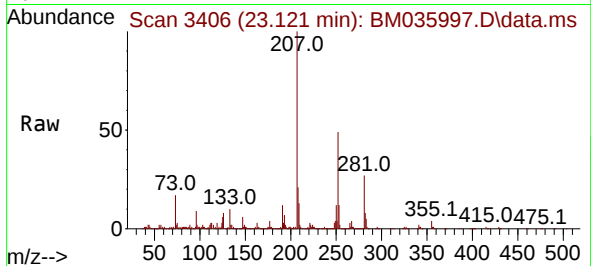
Tgt Ion:252 Resp: 386351
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 12.0 10.7 16.1





#91
Benzo(k)fluoranthene
Concen: 1.489 ng/ul m
RT: 23.121 min Scan# 3406
Delta R.T. -0.012 min
Lab File: BM035997.D
Acq: 29 Jul 2022 17:53

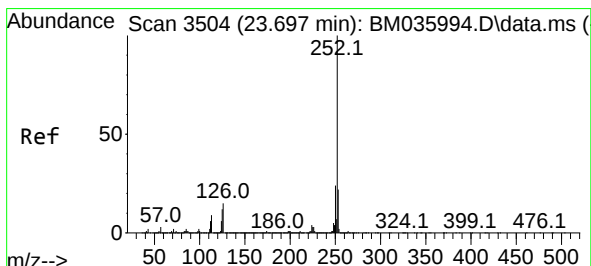
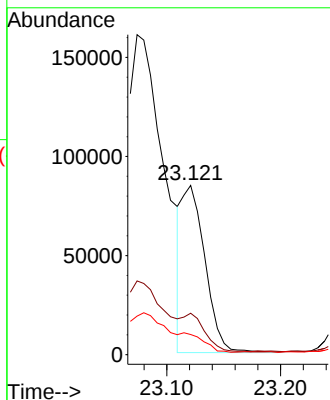
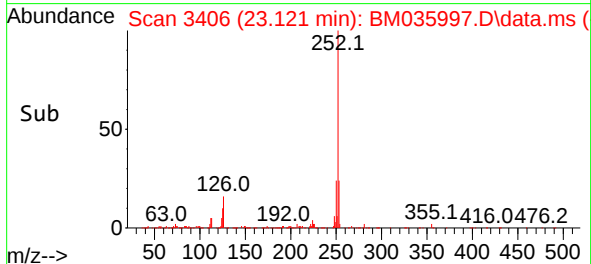
Instrument :
BNA_M
ClientSampleId :
DBUL8



Tgt Ion:252 Resp: 118880
Ion Ratio Lower Upper
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253 24.5 17.4 26.0
125 11.9 10.6 15.8

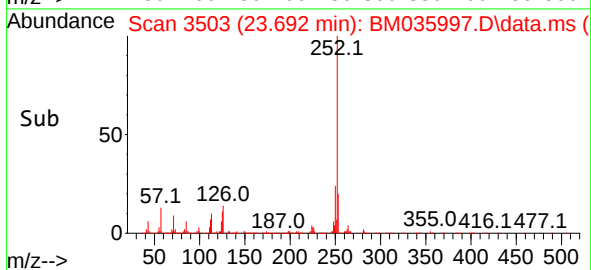
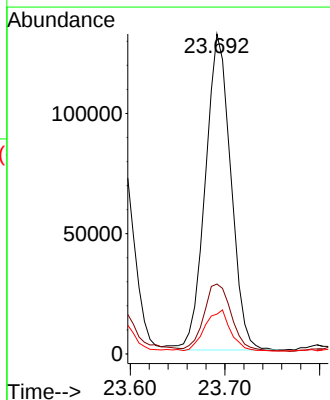
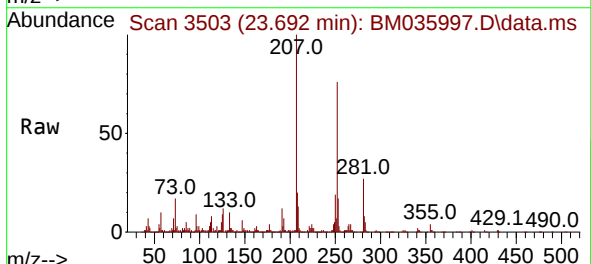
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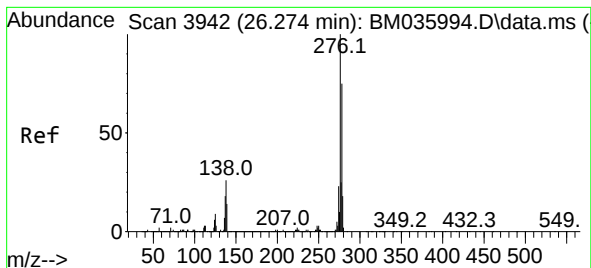
Reviewed By :Jagrut Upadhyay 08/01/2022
Supervised By :mohammad ahmed 08/01/2022



#93
Benzo(a)pyrene
Concen: 3.054 ng/ul
RT: 23.692 min Scan# 3503
Delta R.T. -0.012 min
Lab File: BM035997.D
Acq: 29 Jul 2022 17:53

Tgt Ion:252 Resp: 244823
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 12.5 11.8 17.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.963 ng/ul

RT: 26.250 min Scan# 3942

Delta R.T. -0.018 min

Lab File: BM035997.D

Acq: 29 Jul 2022 17:53

Instrument :

BNA_M

ClientSampleId :

DBUL8

Tgt Ion:276 Resp: 16768

Ion Ratio Lower Upper

276 100

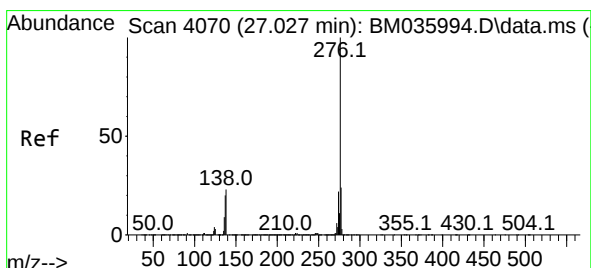
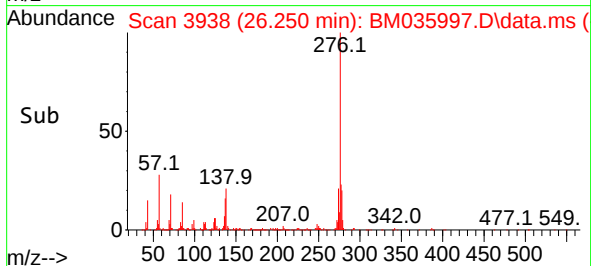
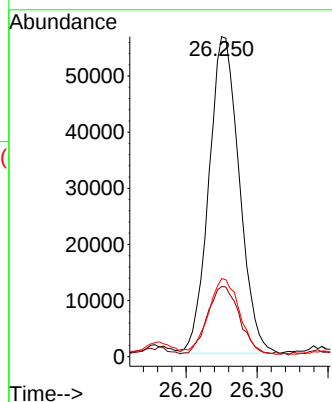
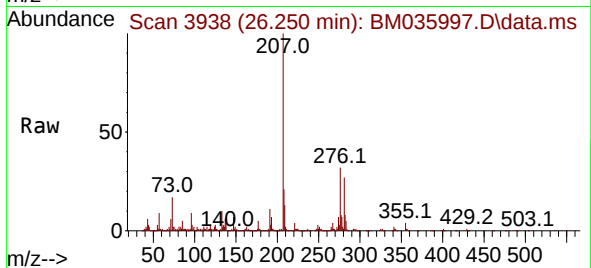
138 21.9 25.6 38.4

277 24.4 20.1 30.1

Manual Integrations

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Supervised By :mohammad ahmed 08/01/2022



#96

Benzo(g,h,i)perylene

Concen: 1.723 ng/ul

RT: 27.009 min Scan# 4067

Delta R.T. -0.023 min

Lab File: BM035997.D

Acq: 29 Jul 2022 17:53

Tgt Ion:276 Resp: 121994

Ion Ratio Lower Upper

276 100

138 22.9 21.3 31.9

277 25.1 18.6 28.0

