

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
 Data File : BM036594.D
 Acq On : 19 Sep 2022 23:36
 Operator : CG/JU
 Sample : N4604-20
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A5780

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2022
 Supervised By :mohammad ahmed 09/21/2022

Quant Time: Sep 20 00:10:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 16 02:39:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.028	152	474477	20.000	ng/u1	0.00
20) Naphthalene-d8	10.840	136	2117622	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.651	164	1346453	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	2795694	20.000	ng/u1	0.00
79) Chrysene-d12	21.551	240	2669659	20.000	ng/u1	0.00
88) Perylene-d12	23.998	264	2286748	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	39441	3.116	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.175	99	786972	18.560	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.352	67	550953	21.396	ng/u1	0.00
11) 2-Chlorophenol-d4	7.552	132	649440	21.274	ng/u1	0.00
15) 4-Methylphenol-d8	8.728	113	557571	17.796	ng/u1	0.00
21) Nitrobenzene-d5	9.193	128	354575	24.738	ng/u1	0.00
24) 2-Nitrophenol-d4	9.916	143	315702	24.590	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	644246	21.653	ng/u1	0.00
31) 4-Chloroaniline-d4	10.969	131	228563	4.620	ng/u1	0.00
46) Dimethylphthalate-d6	14.063	166	2242093	24.690	ng/u1	0.00
49) Acenaphthylene-d8	14.345	160	2817439	26.156	ng/u1	0.00
54) 4-Nitrophenol-d4	14.822	143	220239	12.504	ng/u1	0.00
60) Fluorene-d10	15.639	176	2141560	26.315	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	230250	20.816	ng/u1	0.00
73) Anthracene-d10	17.486	188	3340520	26.133	ng/u1	0.00
81) Pyrene-d10	19.768	212	3994090	30.411	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.845	264	3099847	27.746	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.887	128	167842	1.455	ng/u1	100
36) 2-Methylnaphthalene	12.492	142	128354	1.670	ng/u1	98
37) 1-Methylnaphthalene	12.710	142	111803	1.447	ng/u1	96
50) Acenaphthylene	14.375	152	426165	3.460	ng/u1	99
72) Phenanthrene	17.427	178	1142176	7.417	ng/u1	99
74) Anthracene	17.516	178	440133	2.812	ng/u1	99
80) Fluoranthene	19.433	202	5577189	34.654	ng/u1	99
82) Pyrene	19.798	202	5218481	30.632	ng/u1	99
85) Benzo(a)anthracene	21.539	228	2928096	17.505	ng/u1	94
87) Chrysene	21.592	228	3008774	18.951	ng/u1	98
90) Benzo(b)fluoranthene	23.256	252	3683607	25.402	ng/u1	98
91) Benzo(k)fluoranthene	23.298	252	1146554m	7.913	ng/u1	
93) Benzo(a)pyrene	23.892	252	1815466	14.241	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.544	276	1178091	7.914	ng/u1	99
95) Dibenzo(a,h)anthracene	26.550	278	339744	2.516	ng/u1#	93
96) Benzo(g,h,i)perylene	27.321	276	900600	6.978	ng/u1	97

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

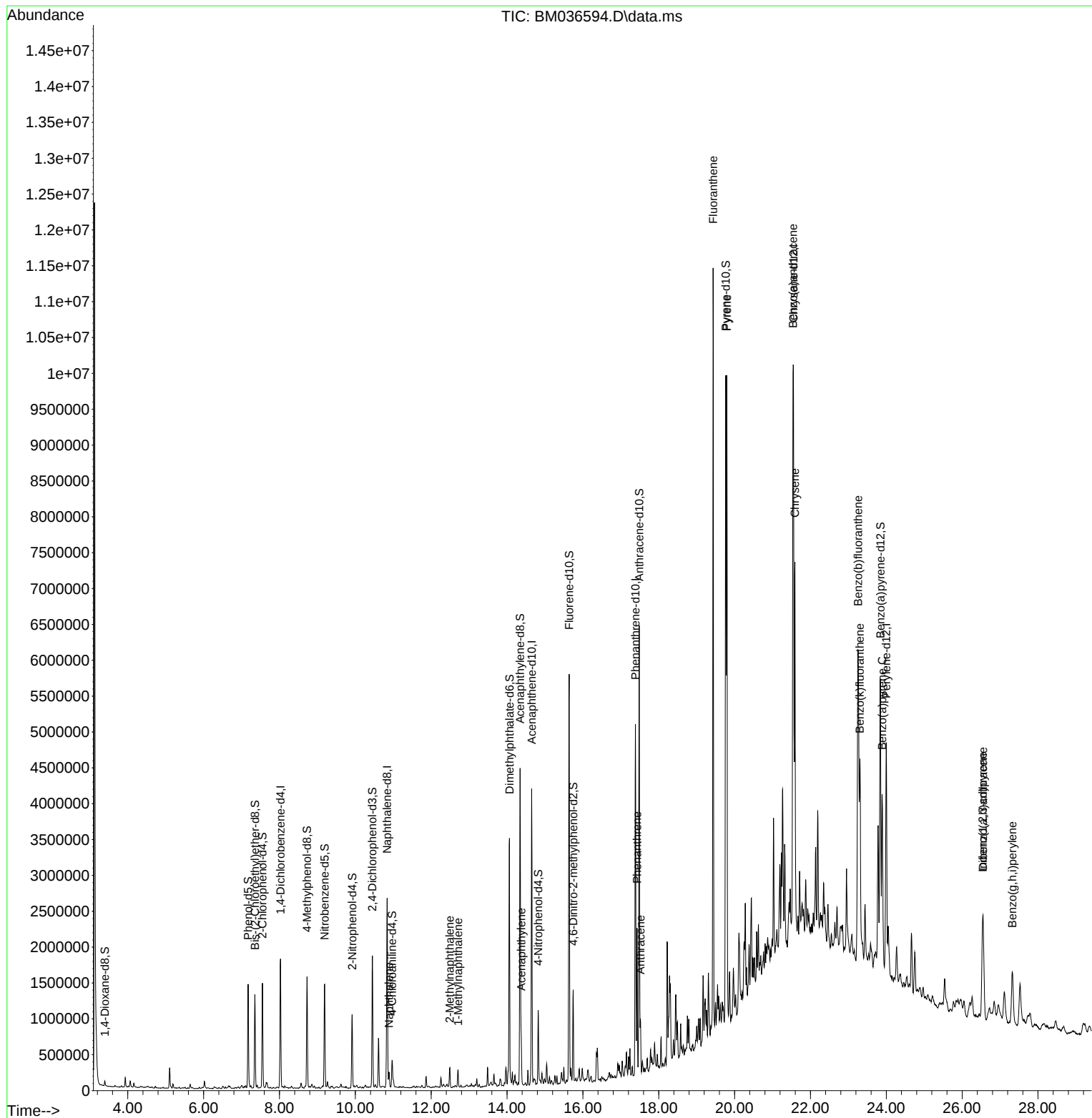
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036594.D
Acq On : 19 Sep 2022 23:36
Operator : CG/JU
Sample : N4604-20
Misc :
ALS Vial : 22 Sample Multiplier: 1

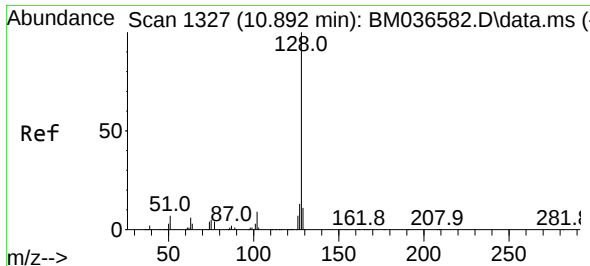
Instrument :
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Quant Time: Sep 20 00:10:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION
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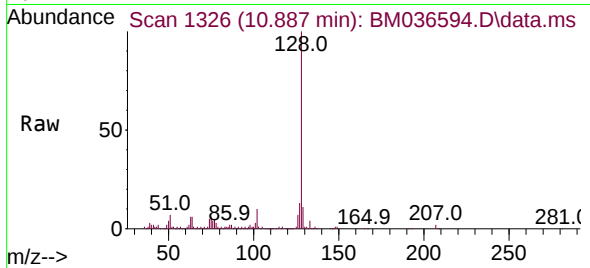
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022





#30
Naphthalene
Concen: 1.455 ng/ul
RT: 10.887 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36

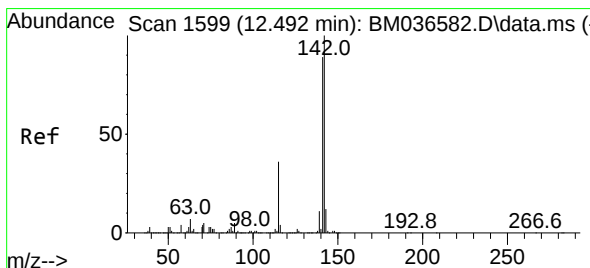
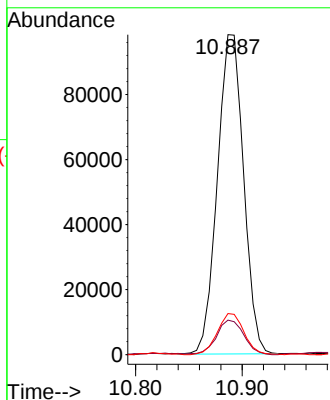
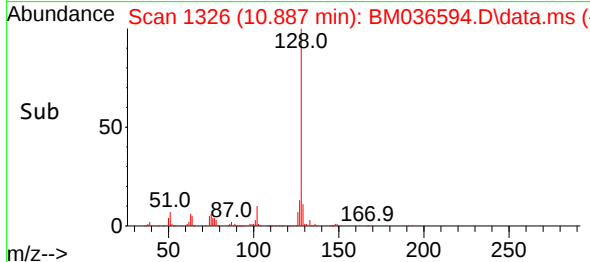
Instrument :
BNA_M
ClientSampleId :
A5780



Tgt Ion:128 Resp: 167842
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 12.8 10.3 15.5

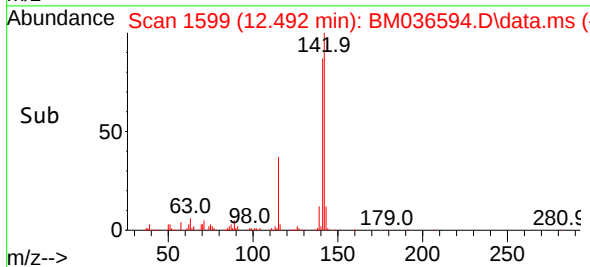
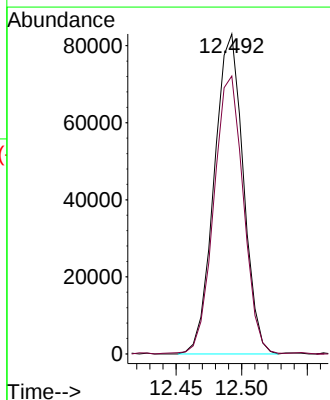
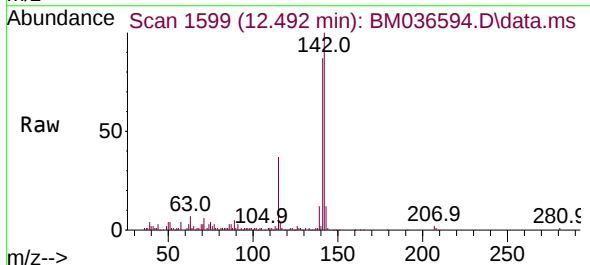
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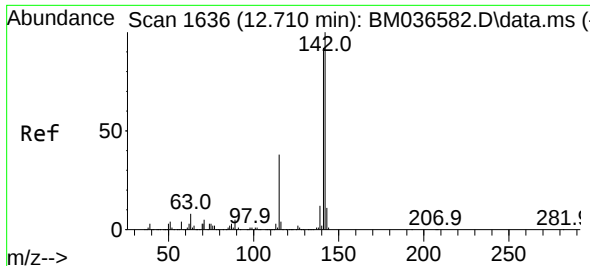
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022



#36
2-Methylnaphthalene
Concen: 1.670 ng/ul
RT: 12.492 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36

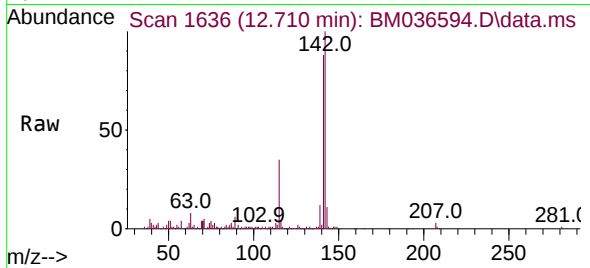
Tgt Ion:142 Resp: 128354
Ion Ratio Lower Upper
142 100
141 86.8 70.7 106.1





#37
1-Methylnaphthalene
Concen: 1.447 ng/ul
RT: 12.710 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36

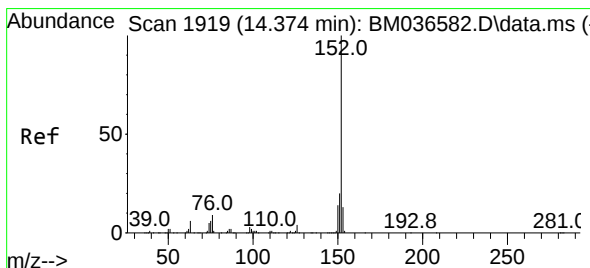
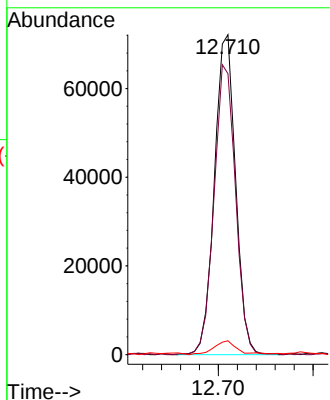
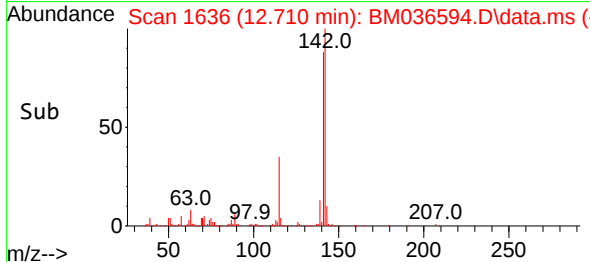
Instrument :
BNA_M
ClientSampleId :
A5780



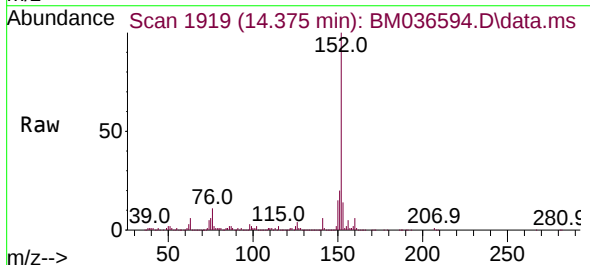
Tgt Ion:142 Resp: 111803
Ion Ratio Lower Upper
142 100
141 87.8 73.4 110.2
116 4.3 3.1 4.7

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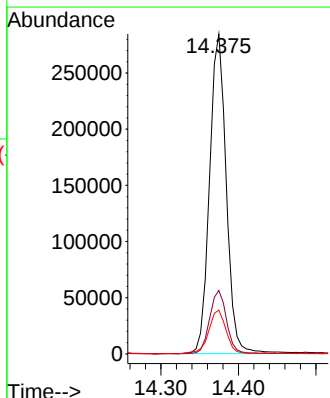
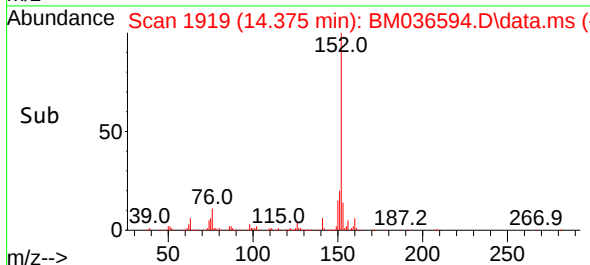
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022

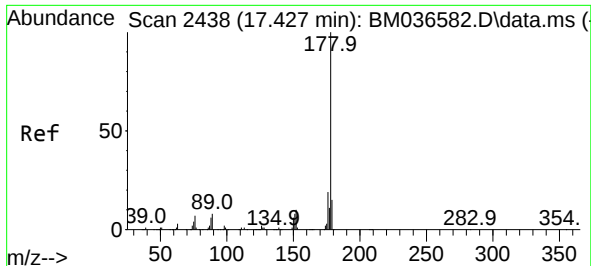


#50
Acenaphthylene
Concen: 3.460 ng/ul
RT: 14.375 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36



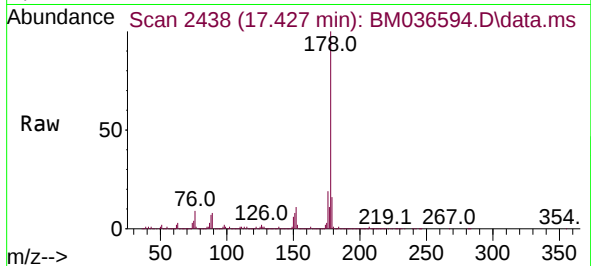
Tgt Ion:152 Resp: 426165
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.7 10.5 15.7





#72
Phenanthrene
Concen: 7.417 ng/ul
RT: 17.427 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36

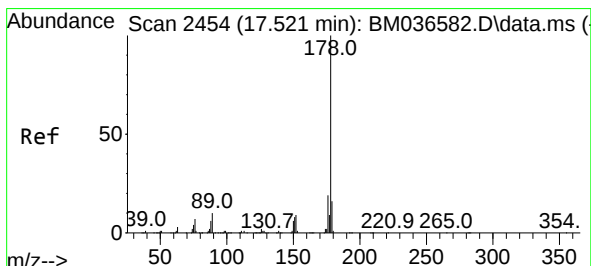
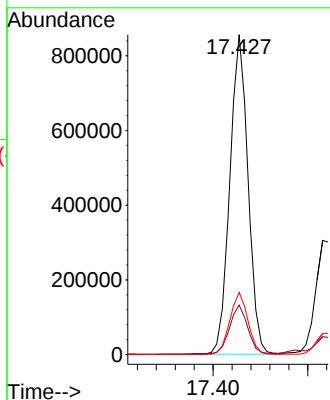
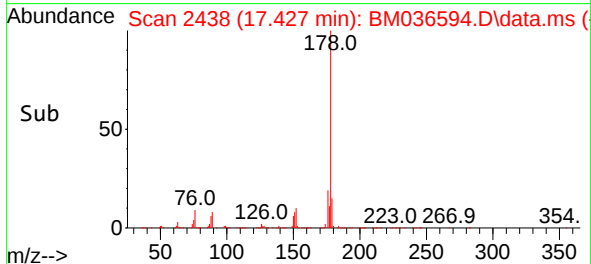
Instrument :
BNA_M
ClientSampleId :
A5780



Tgt Ion:178 Resp: 1142176
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.2
176 19.4 15.7 23.5

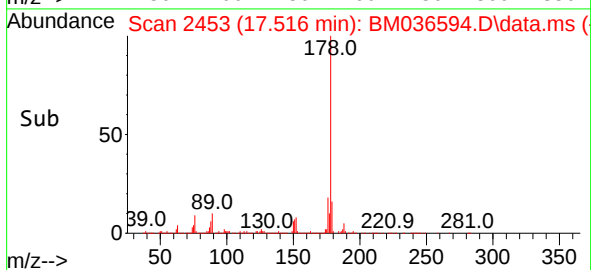
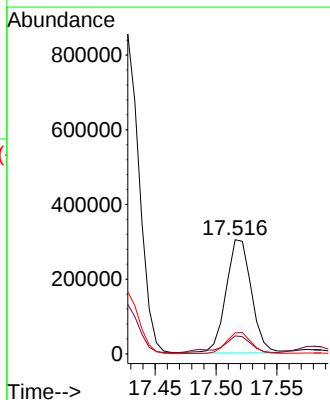
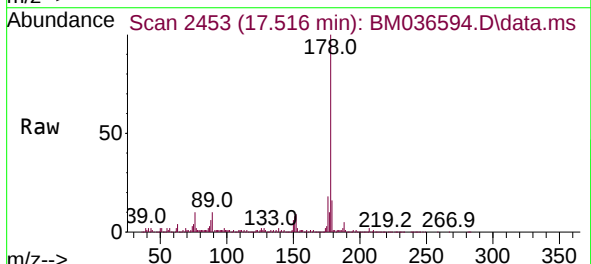
Manual Integrations
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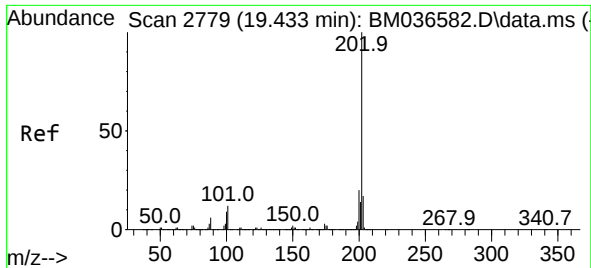
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022



#74
Anthracene
Concen: 2.812 ng/ul
RT: 17.516 min Scan# 2453
Delta R.T. -0.006 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36

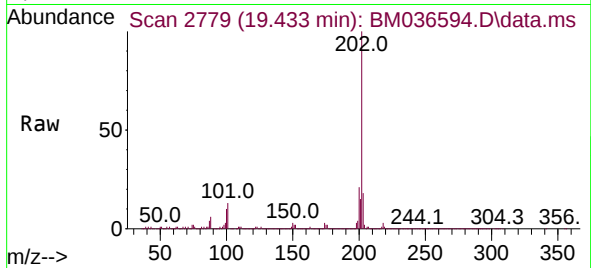
Tgt Ion:178 Resp: 440133
Ion Ratio Lower Upper
178 100
179 15.8 12.3 18.5
176 18.5 15.0 22.6





#80
Fluoranthene
Concen: 34.654 ng/u1
RT: 19.433 min Scan# 2779
Delta R.T. 0.000 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36

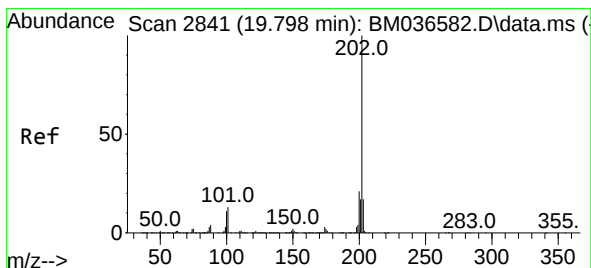
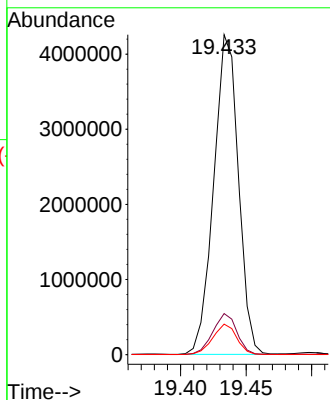
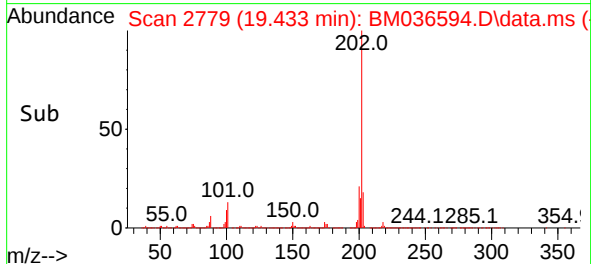
Instrument :
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ClientSampleId :
A5780



Tgt Ion:202 Resp: 5577189
Ion Ratio Lower Upper
202 100
101 12.8 9.8 14.6
100 9.5 7.4 11.2

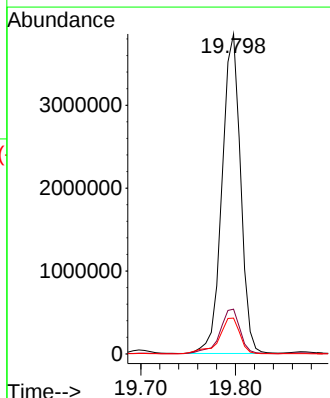
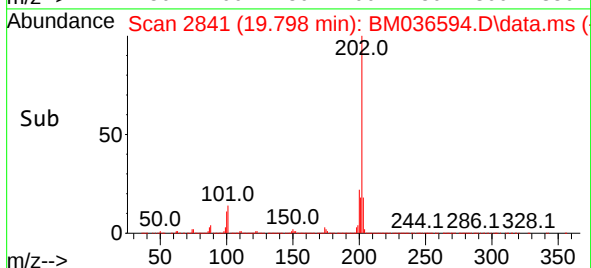
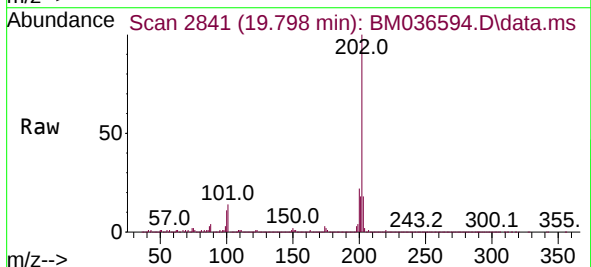
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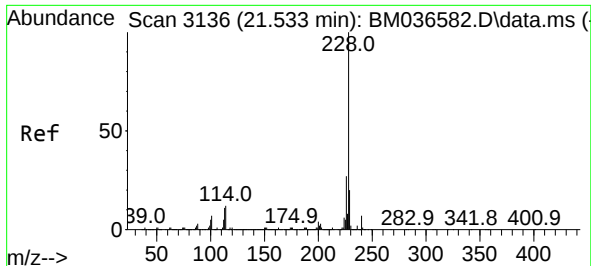
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022



#82
Pyrene
Concen: 30.632 ng/u1
RT: 19.798 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36

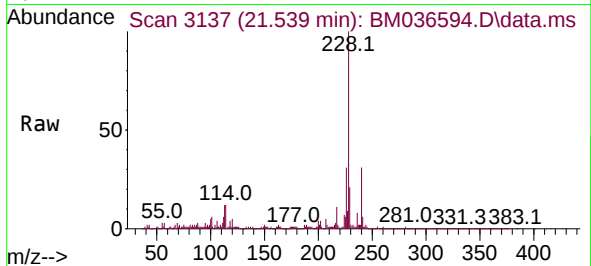
Tgt Ion:202 Resp: 5218481
Ion Ratio Lower Upper
202 100
101 14.0 10.9 16.3
100 11.2 8.7 13.1





#85
Benzo(a)anthracene
Concen: 17.505 ng/u1
RT: 21.539 min Scan# 3136
Delta R.T. 0.000 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36

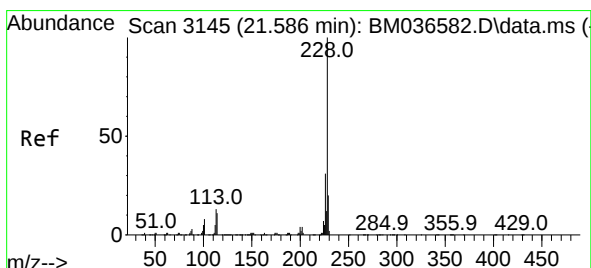
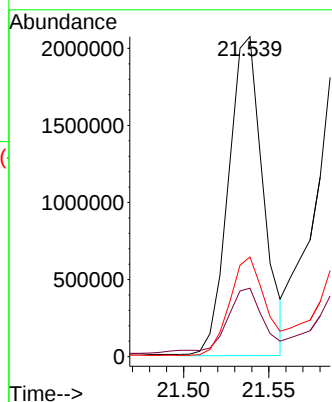
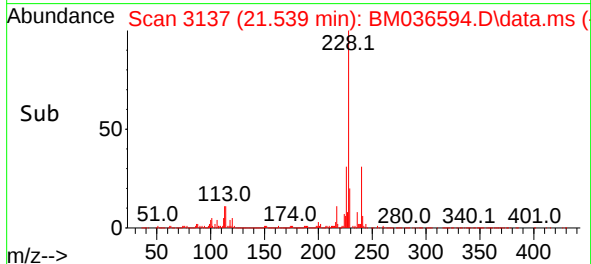
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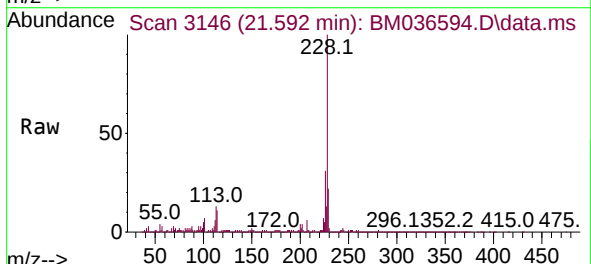
Tgt Ion:228 Resp: 2928096
Ion Ratio Lower Upper
228 100
229 21.4 15.8 23.8
226 31.1 21.9 32.9

Manual Integrations
APPROVED

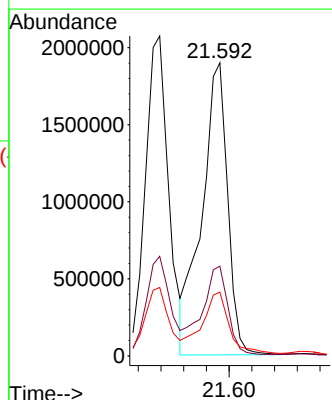
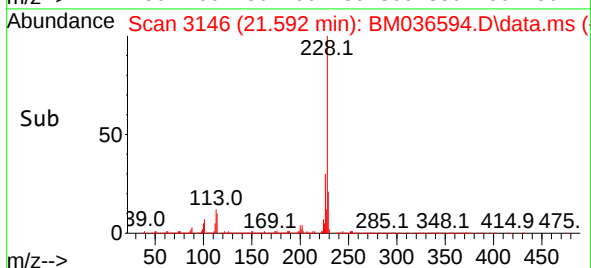
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022

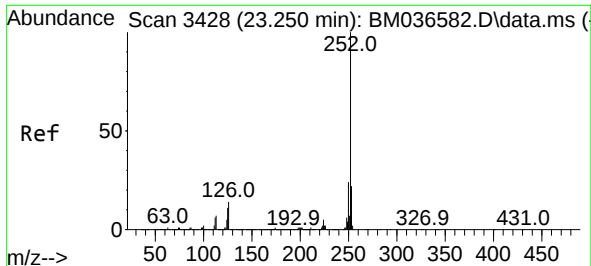


#87
Chrysene
Concen: 18.951 ng/u1
RT: 21.592 min Scan# 3146
Delta R.T. 0.000 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36



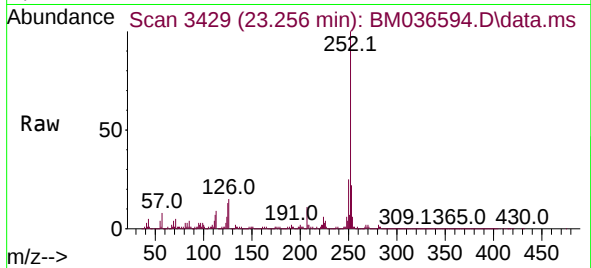
Tgt Ion:228 Resp: 3008774
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 21.8 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 25.402 ng/ul
RT: 23.256 min Scan# 3428
Delta R.T. 0.006 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36

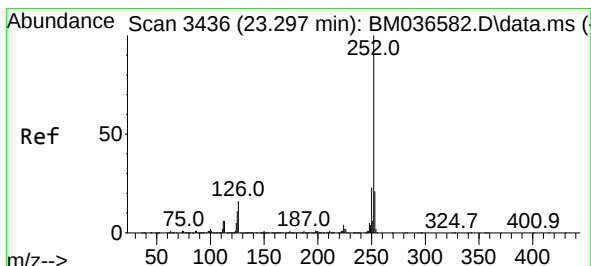
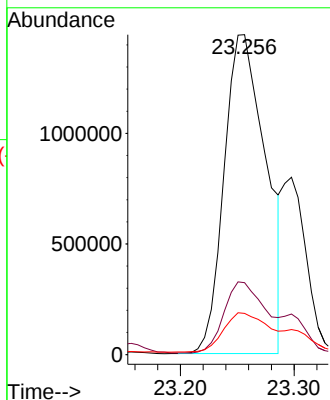
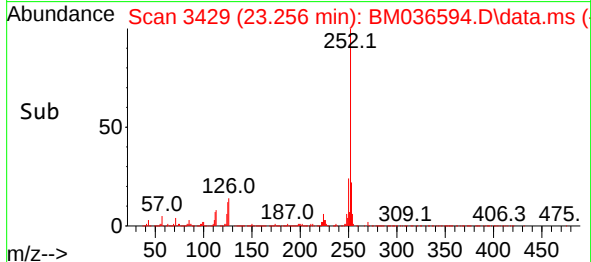
Instrument :
BNA_M
ClientSampleId :
A5780



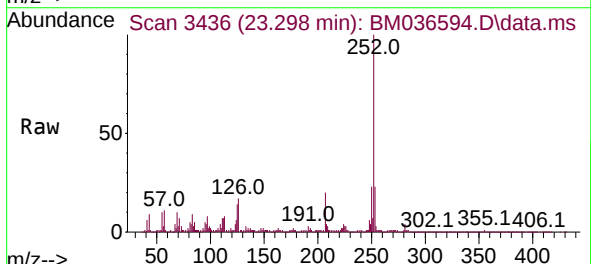
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Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 12.9 9.1 13.7

Manual Integrations
APPROVED

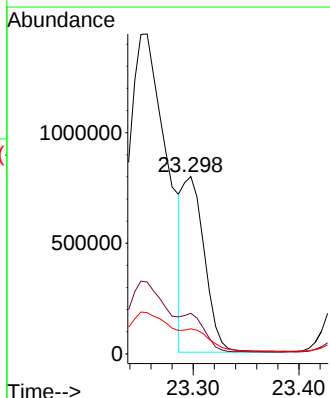
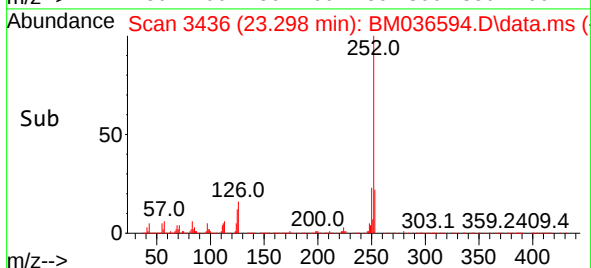
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022

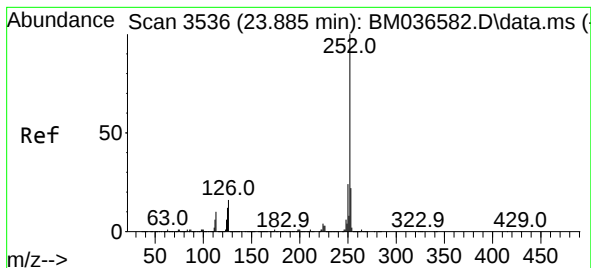


#91
Benzo(k)fluoranthene
Concen: 7.913 ng/ul m
RT: 23.298 min Scan# 3436
Delta R.T. -0.006 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36



Tgt Ion:252 Resp: 1146554
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 14.1 8.2 12.4#





#93

Benzo(a)pyrene

Concen: 14.241 ng/ul

RT: 23.892 min Scan# 3536

Delta R.T. 0.000 min

Lab File: BM036594.D

Acq: 19 Sep 2022 23:36

Instrument :

BNA_M

ClientSampleId :

A5780

Tgt Ion:252 Resp: 1815466

Ion Ratio Lower Upper

252 100

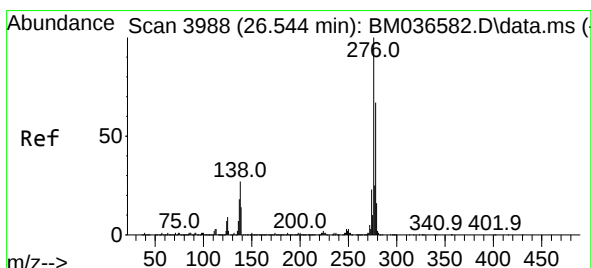
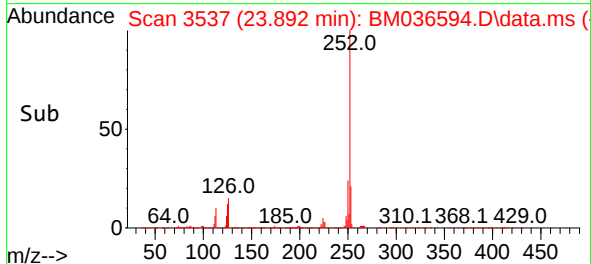
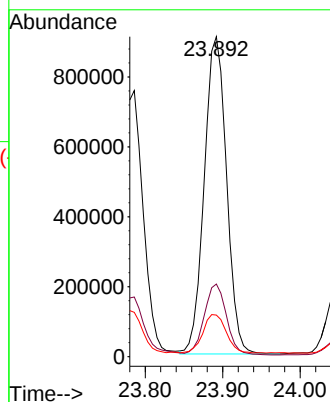
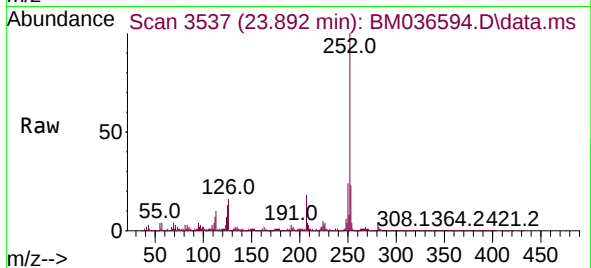
253 22.7 17.5 26.3

125 13.0 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.914 ng/ul

RT: 26.544 min Scan# 3988

Delta R.T. -0.006 min

Lab File: BM036594.D

Acq: 19 Sep 2022 23:36

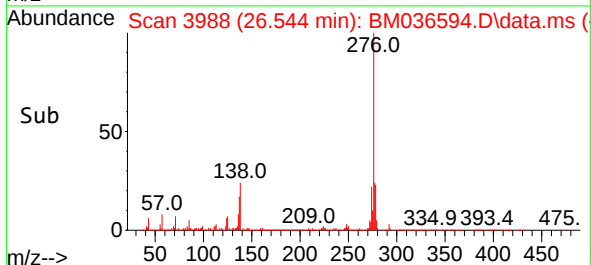
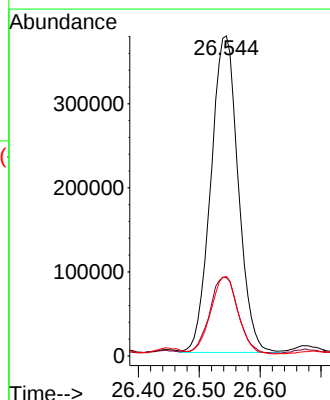
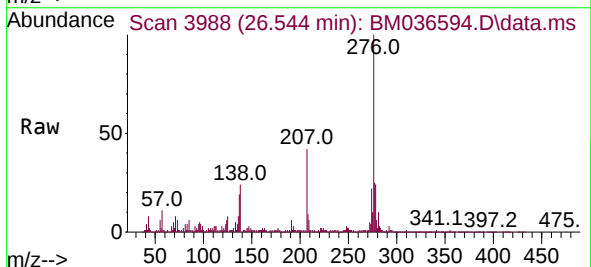
Tgt Ion:276 Resp: 1178091

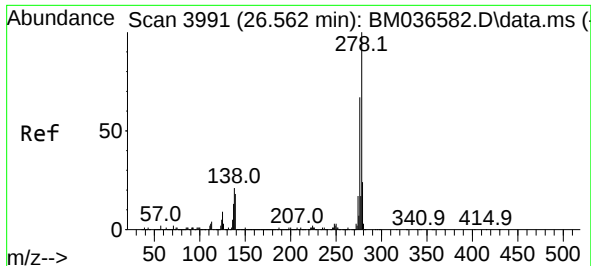
Ion Ratio Lower Upper

276 100

138 24.4 20.2 30.4

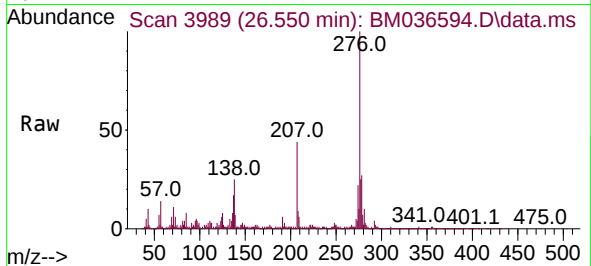
277 24.8 19.7 29.5





#95
Dibenzo(a,h)anthracene
Concen: 2.516 ng/ul
RT: 26.550 min Scan# 3991
Delta R.T. -0.023 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36

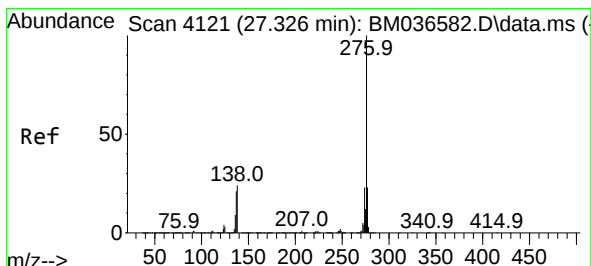
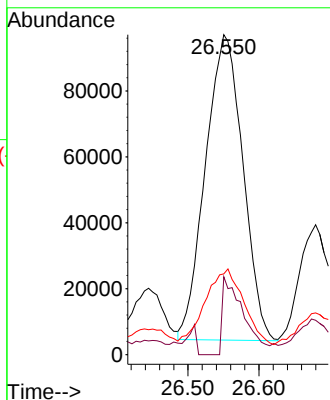
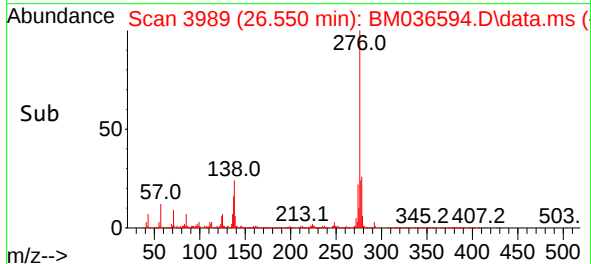
Instrument :
BNA_M
ClientSampleId :
A5780



Tgt Ion:278 Resp: 339744
Ion Ratio Lower Upper
278 100
139 24.3 14.5 21.7
279 25.2 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022



#96
Benzo(g,h,i)perylene
Concen: 6.978 ng/ul
RT: 27.321 min Scan# 4120
Delta R.T. -0.011 min
Lab File: BM036594.D
Acq: 19 Sep 2022 23:36

Tgt Ion:276 Resp: 900600
Ion Ratio Lower Upper
276 100
138 25.4 18.7 28.1
277 24.8 19.2 28.8

