

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
 Data File : BM036601.D
 Acq On : 20 Sep 2022 04:24
 Operator : CG/JU
 Sample : N4604-16
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A5776

Manual Integrations
 APPROVED

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

Quant Time: Sep 20 05:16:15 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	432637	20.000	ng/u1	0.00
20) Naphthalene-d8	10.839	136	1944488	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.651	164	1224905	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	2510409	20.000	ng/u1	0.00
79) Chrysene-d12	21.556	240	2050086	20.000	ng/u1	0.00
88) Perylene-d12	24.003	264	1817858	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	33699	2.920	ng/uL	0.00
4) Pyridine-d5	3.828	84	85855	2.551	ng/u1	0.01
7) Phenol-d5	7.175	99	730405	18.892	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.351	67	461076	19.637	ng/u1	0.00
11) 2-Chlorophenol-d4	7.551	132	567354	20.383	ng/u1	0.00
15) 4-Methylphenol-d8	8.728	113	515612	18.049	ng/u1	0.00
21) Nitrobenzene-d5	9.192	128	309095	23.485	ng/u1	0.00
24) 2-Nitrophenol-d4	9.916	143	307685	26.100	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	587742	21.513	ng/u1	0.00
31) 4-Chloroaniline-d4	10.975	131	231603	5.099	ng/u1	0.00
46) Dimethylphthalate-d6	14.063	166	2068764	25.042	ng/u1	0.00
49) Acenaphthylene-d8	14.345	160	2511363	25.628	ng/u1	0.00
54) 4-Nitrophenol-d4	14.827	143	314047	19.599	ng/u1	0.00
60) Fluorene-d10	15.639	176	1896700	25.619	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	197379	19.872	ng/u1	0.00
73) Anthracene-d10	17.486	188	2951334	25.712	ng/u1	0.00
81) Pyrene-d10	19.768	212	3300361	32.723	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.850	264	2322603	26.152	ng/u1	0.01
Target Compounds					Qvalue	
30) Naphthalene	10.886	128	585694	5.529	ng/u1	99
36) 2-Methylnaphthalene	12.486	142	414932	5.879	ng/u1	99
37) 1-Methylnaphthalene	12.704	142	344731	4.859	ng/u1	99
50) Acenaphthylene	14.374	152	1455530	12.992	ng/u1	99
52) Acenaphthene	14.710	153	85699	1.093	ng/u1	97
61) Fluorene	15.692	166	250215m	2.791	ng/u1	
72) Phenanthrene	17.433	178	6069894	43.897	ng/u1	99
74) Anthracene	17.521	178	2492190	17.732	ng/u1	100
80) Fluoranthene	19.439	202	14770985m	119.516	ng/u1	
82) Pyrene	19.804	202	13937915	106.540	ng/u1#	91
85) Benzo(a)anthracene	21.545	228	9540168m	74.272	ng/u1	
87) Chrysene	21.598	228	8984368m	73.689	ng/u1	
90) Benzo(b)fluoranthene	23.268	252	10698282	92.805	ng/u1	98
91) Benzo(k)fluoranthene	23.309	252	3661885m	31.791	ng/u1	
93) Benzo(a)pyrene	23.903	252	6708631	66.199	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.568	276	4502285	38.044	ng/u1	98
95) Dibenzo(a,h)anthracene	26.574	278	1261475	11.754	ng/u1#	91
96) Benzo(g,h,i)perylene	27.356	276	3420046	33.336	ng/u1	98

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

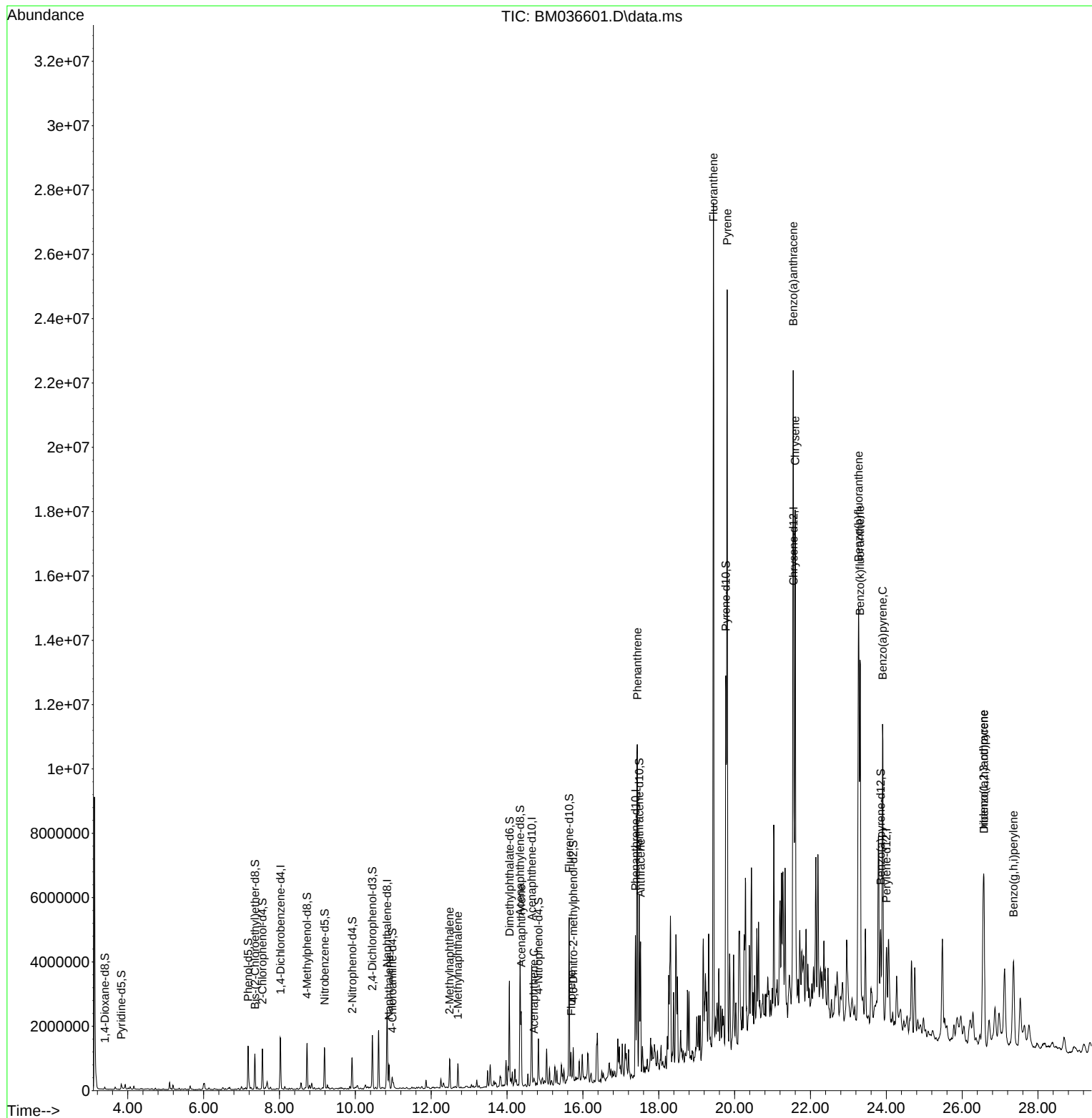
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
 Data File : BM036601.D
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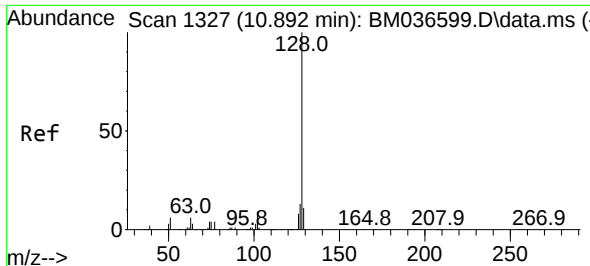
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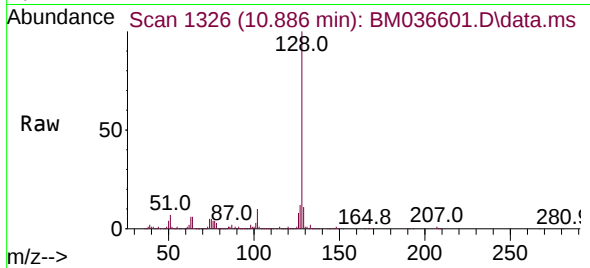
Quant Time: Sep 20 05:16:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 16 02:39:54 2022
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#30
Naphthalene
Concen: 5.529 ng/ul
RT: 10.886 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24

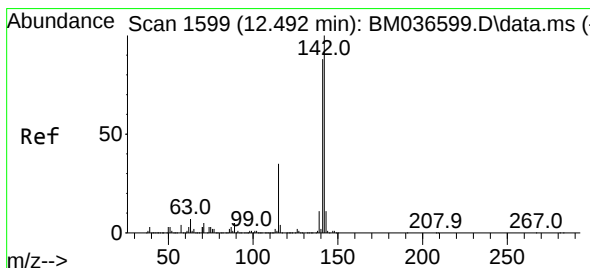
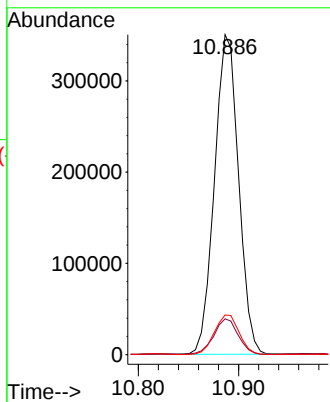
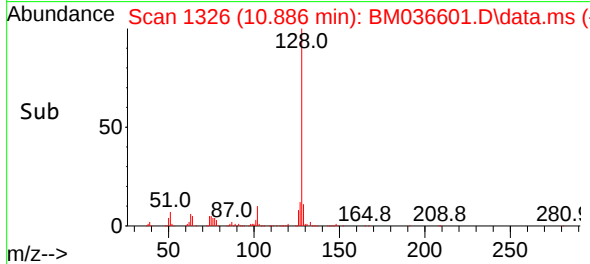
Instrument :
BNA_M
ClientSampleId :
A5776



Tgt Ion:128 Resp: 585694
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 12.4 10.3 15.5

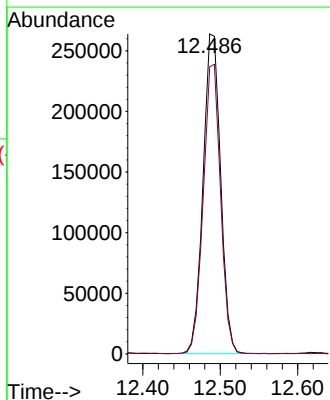
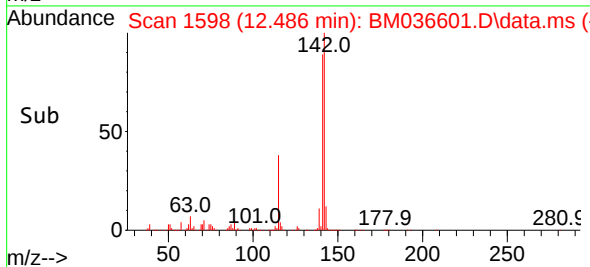
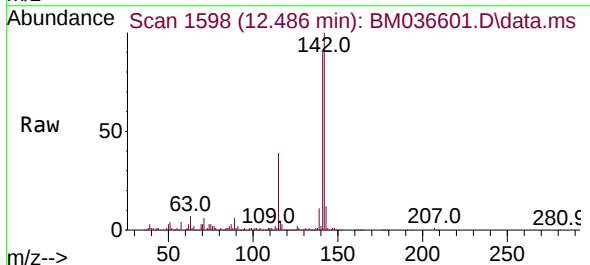
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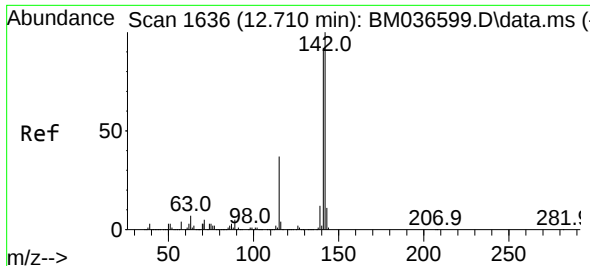
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022



#36
2-Methylnaphthalene
Concen: 5.879 ng/ul
RT: 12.486 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24

Tgt Ion:142 Resp: 414932
Ion Ratio Lower Upper
142 100
141 89.7 70.7 106.1





#37

1-Methylnaphthalene

Concen: 4.859 ng/ul

RT: 12.704 min Scan# 1636

Delta R.T. -0.006 min

Lab File: BM036601.D

Acq: 20 Sep 2022 04:24

Instrument :

BNA_M

ClientSampleId :

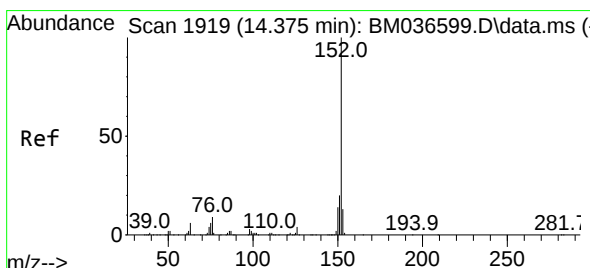
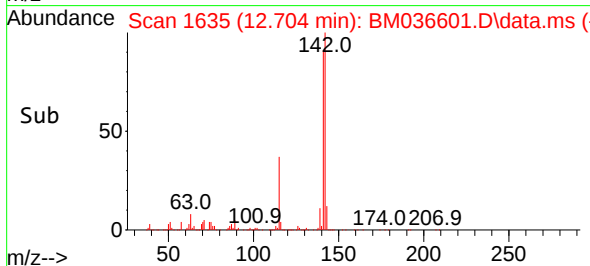
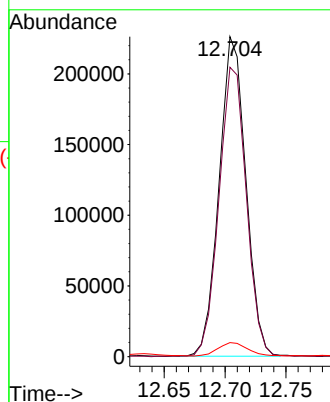
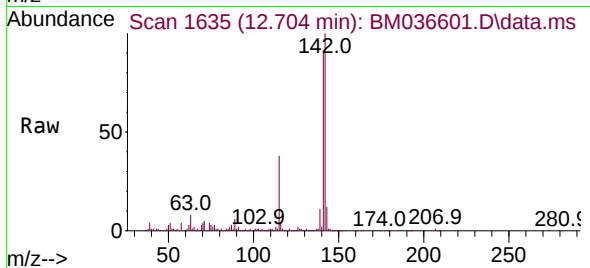
A5776

Tgt Ion:	142	Resp:	344731
Ion Ratio	Lower	Upper	
142	100		
141	90.4	73.4	110.2
116	4.4	3.1	4.7

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#50

Acenaphthylene

Concen: 12.992 ng/ul

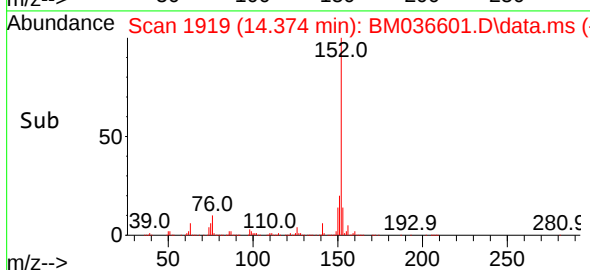
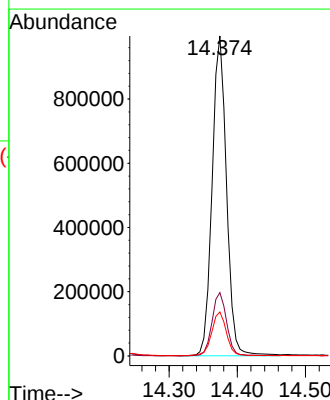
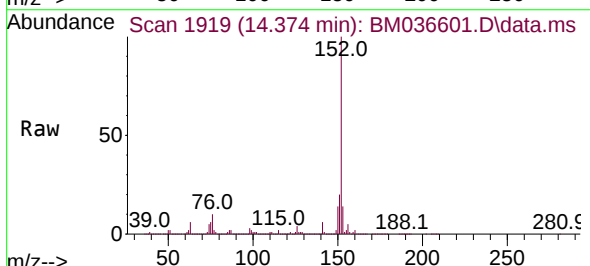
RT: 14.374 min Scan# 1919

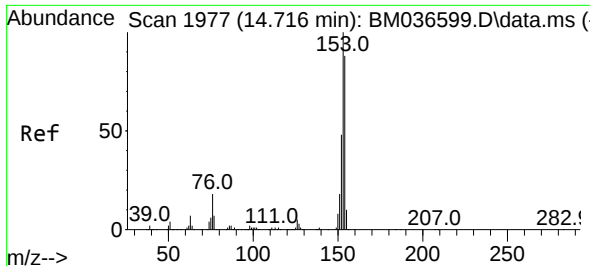
Delta R.T. 0.000 min

Lab File: BM036601.D

Acq: 20 Sep 2022 04:24

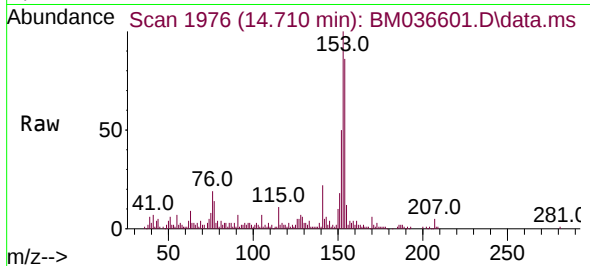
Tgt Ion:	152	Resp:	1455530
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.7	23.5
153	13.7	10.5	15.7





#52
Acenaphthene
Concen: 1.093 ng/ul
RT: 14.710 min Scan# 1976
Delta R.T. -0.006 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24

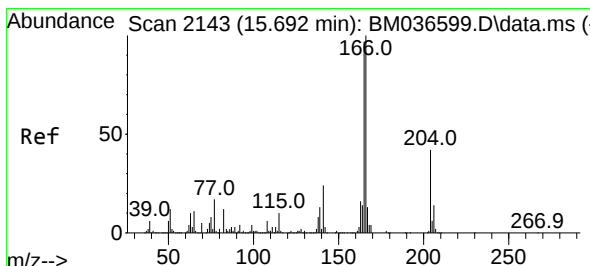
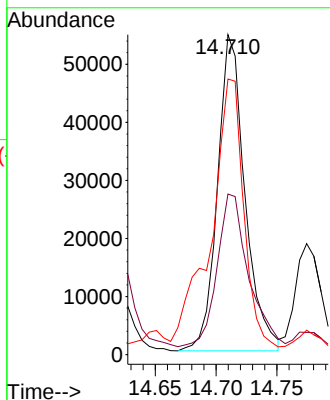
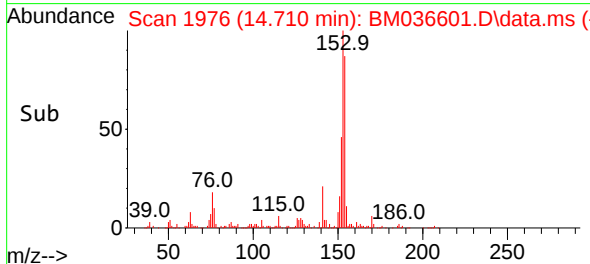
Instrument :
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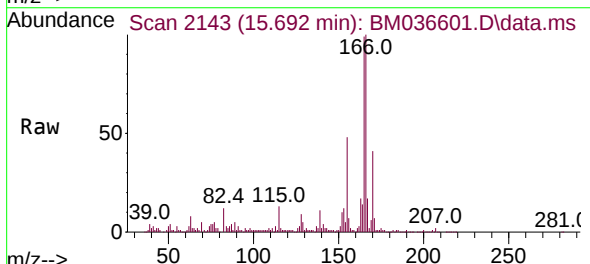
Tgt Ion:153 Resp: 85699
Ion Ratio Lower Upper
153 100
152 50.2 38.2 57.2
154 86.1 71.0 106.6

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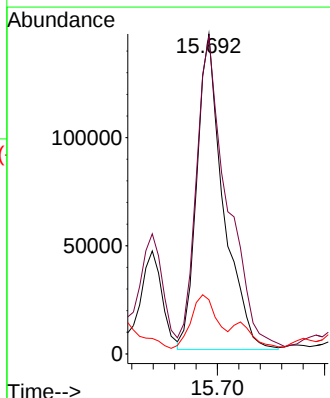
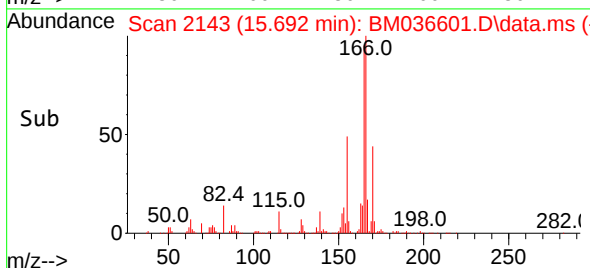
Reviewed By :Jagrut Upadhyay 09/20/2022
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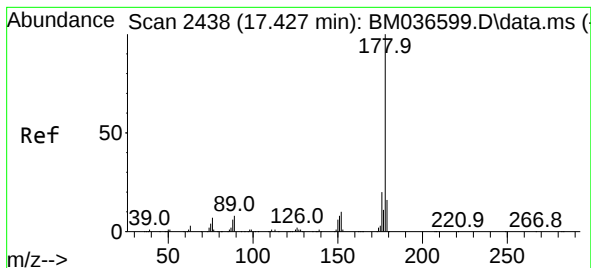


#61
Fluorene
Concen: 2.791 ng/ul m
RT: 15.692 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24



Tgt Ion:166 Resp: 250215
Ion Ratio Lower Upper
166 100
165 99.0 78.5 117.7
167 16.9 10.4 15.6#





#72

Phenanthrene

Concen: 43.897 ng/ul

RT: 17.433 min Scan# 2439

Delta R.T. 0.000 min

Lab File: BM036601.D

Acq: 20 Sep 2022 04:24

Instrument :

BNA_M

ClientSampleId :

A5776

Tgt Ion:178 Resp: 6069894

Ion Ratio Lower Upper

178 100

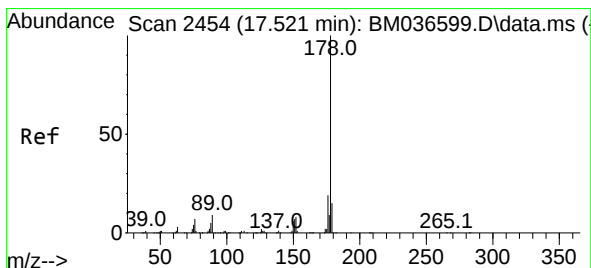
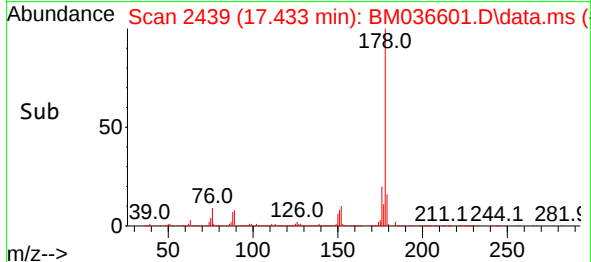
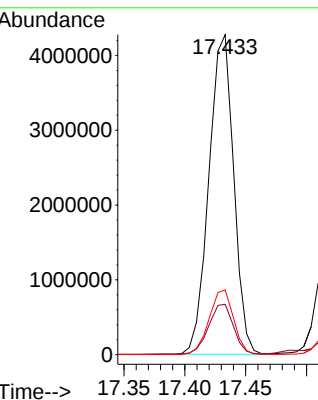
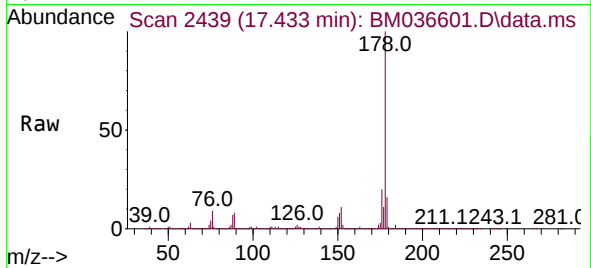
179 15.7 12.2 18.2

176 20.2 15.7 23.5

Manual Integrations

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Supervised By :mohammad ahmed 09/21/2022



#74

Anthracene

Concen: 17.732 ng/ul

RT: 17.521 min Scan# 2454

Delta R.T. 0.000 min

Lab File: BM036601.D

Acq: 20 Sep 2022 04:24

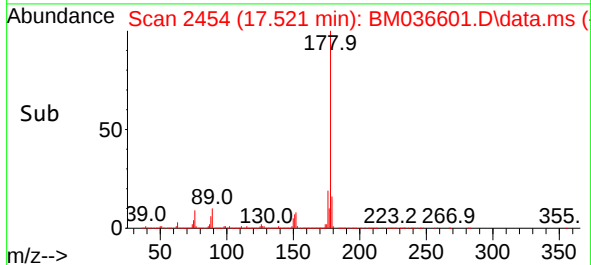
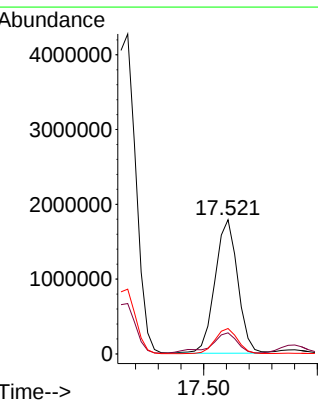
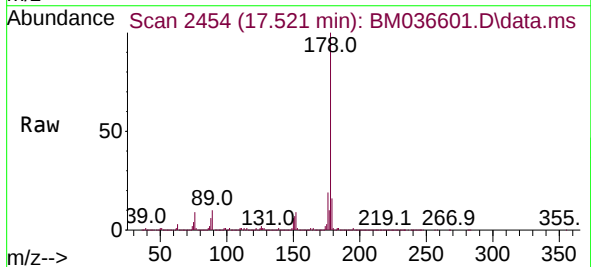
Tgt Ion:178 Resp: 2492190

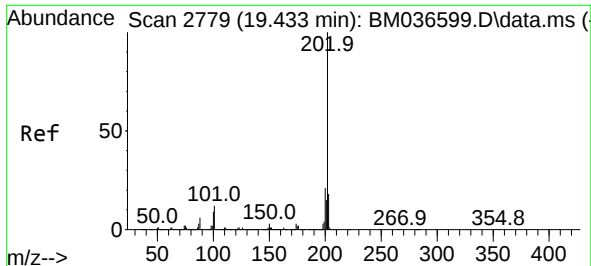
Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

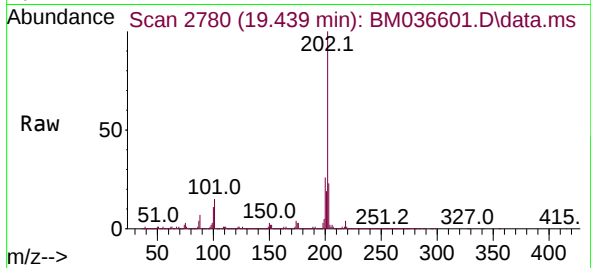
176 18.9 15.0 22.6





#80
Fluoranthene
Concen: 119.516 ng/ul m
RT: 19.439 min Scan# 2779
Delta R.T. 0.006 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24

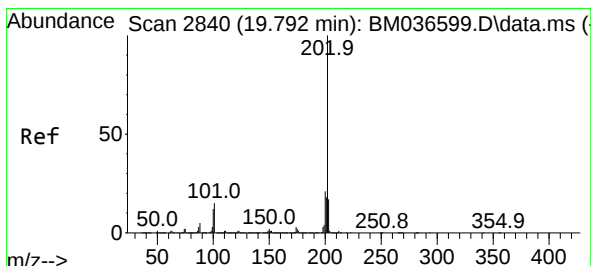
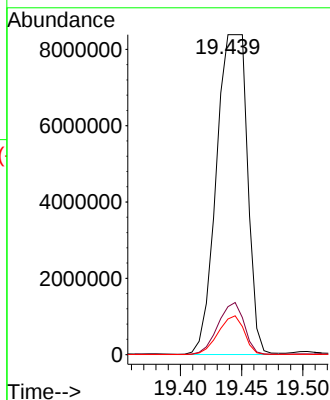
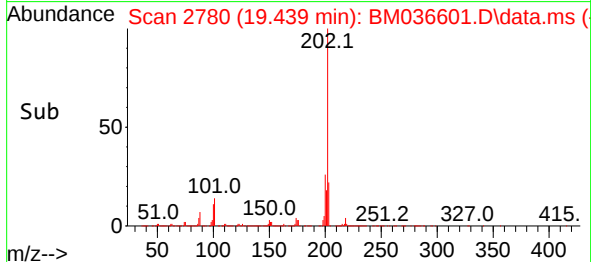
Instrument :
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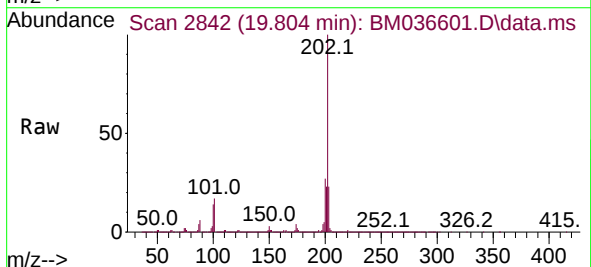
Tgt Ion:202 Resp:14770985
Ion Ratio Lower Upper
202 100
101 15.0 9.8 14.6
100 11.1 7.4 11.2

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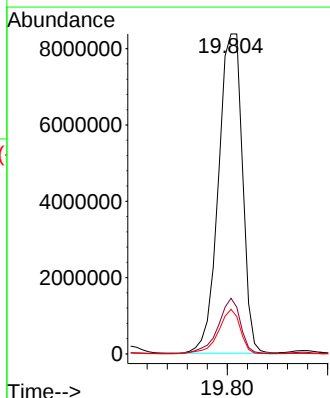
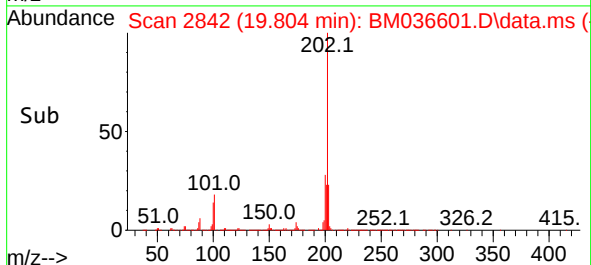
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022

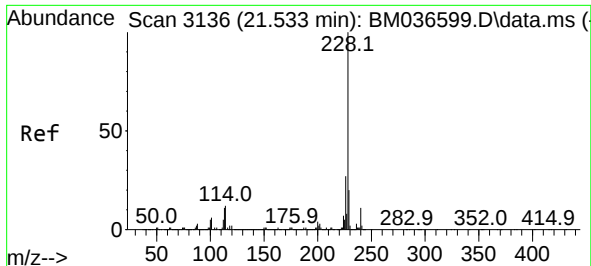


#82
Pyrene
Concen: 106.540 ng/ul
RT: 19.804 min Scan# 2842
Delta R.T. 0.006 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24



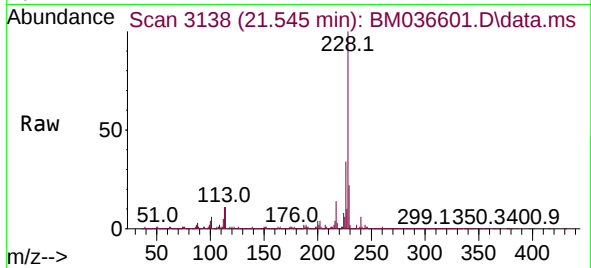
Tgt Ion:202 Resp:13937915
Ion Ratio Lower Upper
202 100
101 17.4 10.9 16.3#
100 13.9 8.7 13.1#





#85
Benzo(a)anthracene
Concen: 74.272 ng/ul m
RT: 21.545 min Scan# 3136
Delta R.T. 0.006 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24

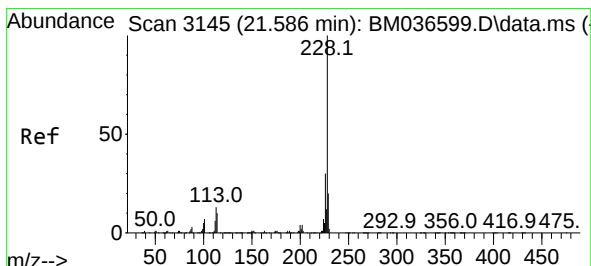
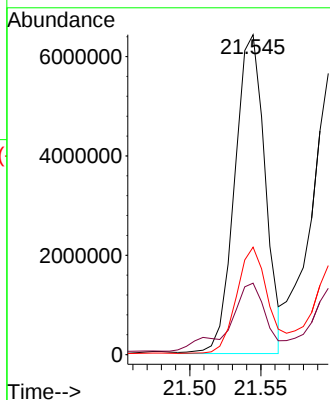
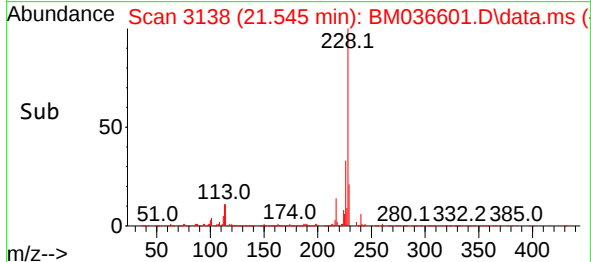
Instrument :
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ClientSampleId :
A5776



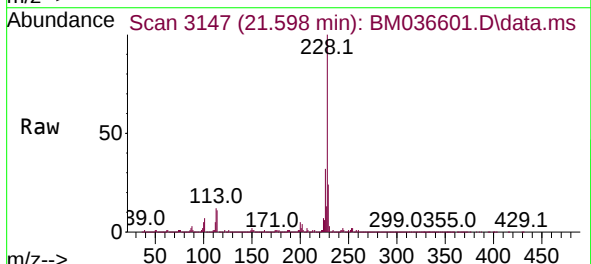
Tgt Ion:228 Resp: 9540168
Ion Ratio Lower Upper
228 100
229 22.3 15.8 23.8
226 33.6 21.9 32.9

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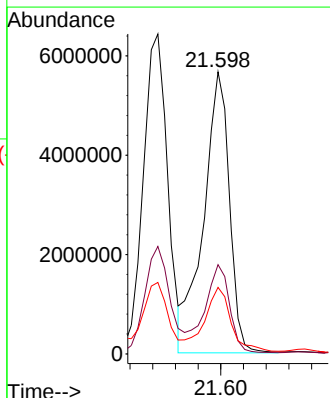
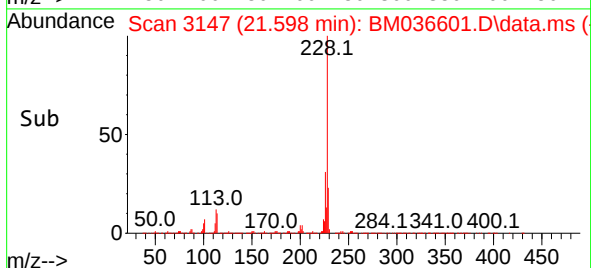
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022

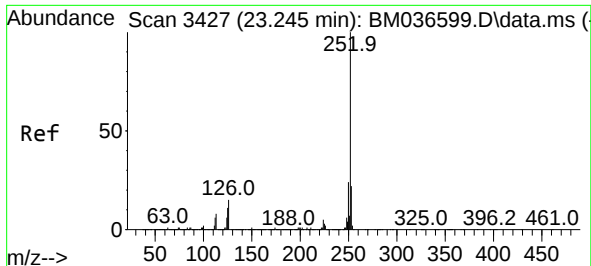


#87
Chrysene
Concen: 73.689 ng/ul m
RT: 21.598 min Scan# 3147
Delta R.T. 0.006 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24



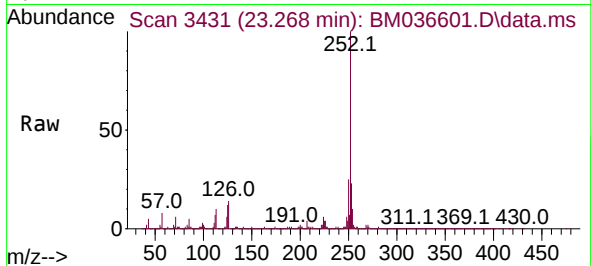
Tgt Ion:228 Resp: 8984368
Ion Ratio Lower Upper
228 100
226 31.7 24.4 36.6
229 23.6 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 92.805 ng/ul
RT: 23.268 min Scan# 3427
Delta R.T. 0.018 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24

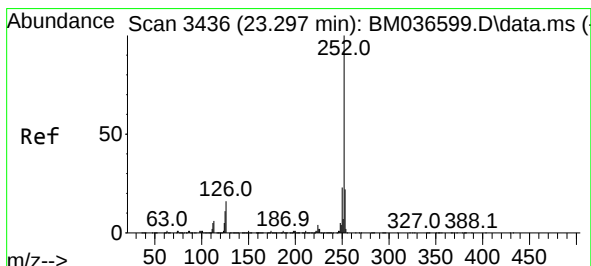
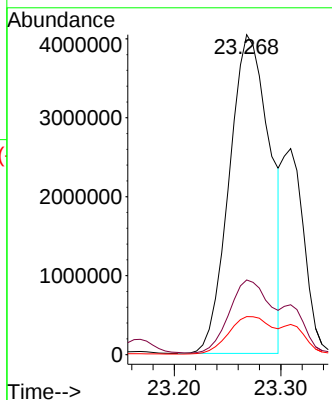
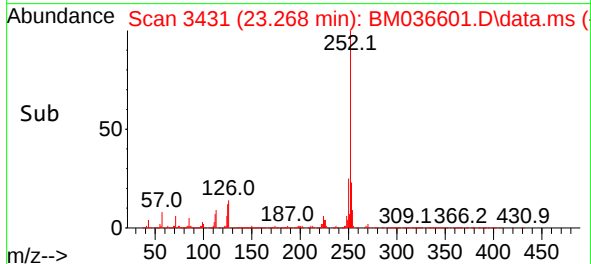
Instrument :
BNA_M
ClientSampleId :
A5776



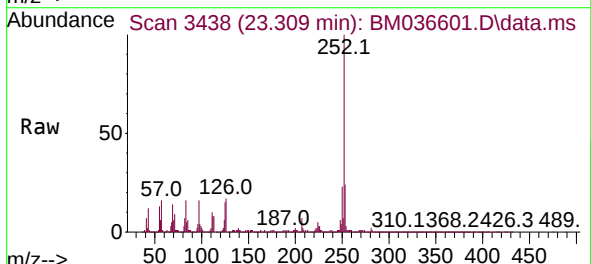
Tgt Ion:252 Resp:1069828
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 11.9 9.1 13.7

Manual Integrations
APPROVED

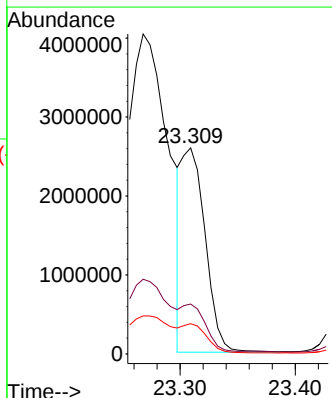
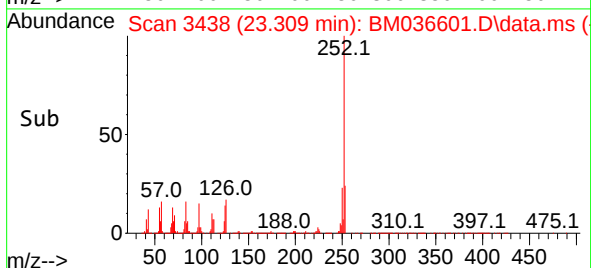
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022

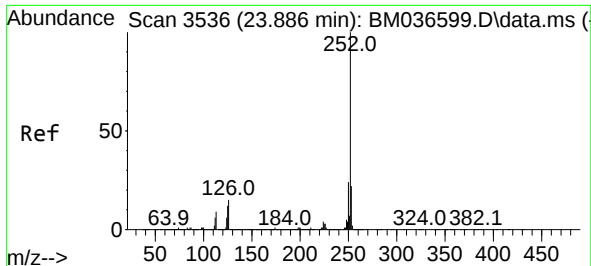


#91
Benzo(k)fluoranthene
Concen: 31.791 ng/ul m
RT: 23.309 min Scan# 3438
Delta R.T. 0.006 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24



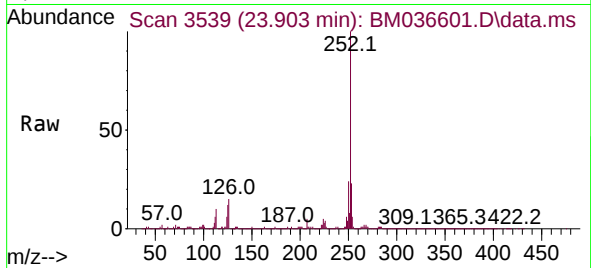
Tgt Ion:252 Resp: 3661885
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 14.6 8.2 12.4#





#93
Benzo(a)pyrene
Concen: 66.199 ng/ul
RT: 23.903 min Scan# 3539
Delta R.T. 0.012 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24

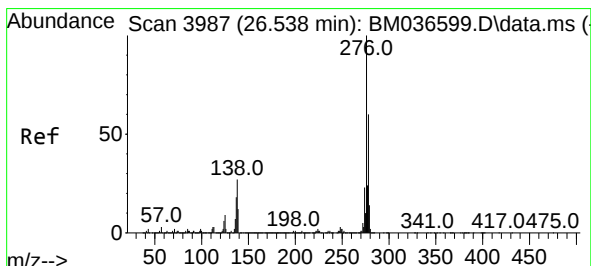
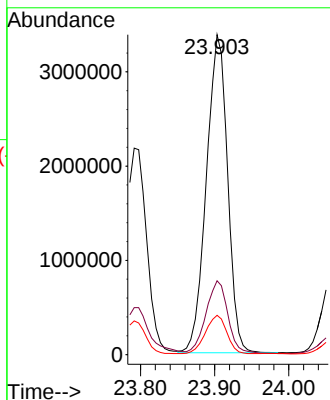
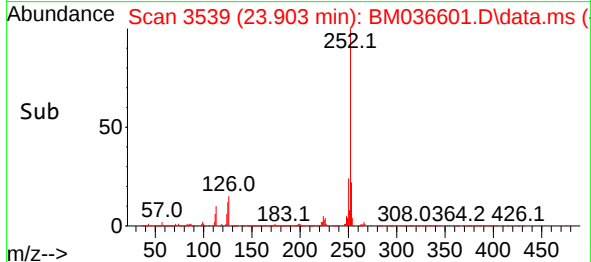
Instrument :
BNA_M
ClientSampleId :
A5776



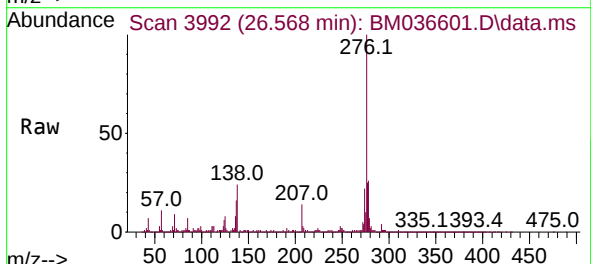
Tgt Ion:252 Resp: 670863
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 12.3 9.5 14.3

Manual Integrations
APPROVED

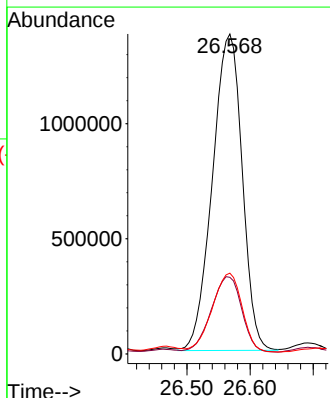
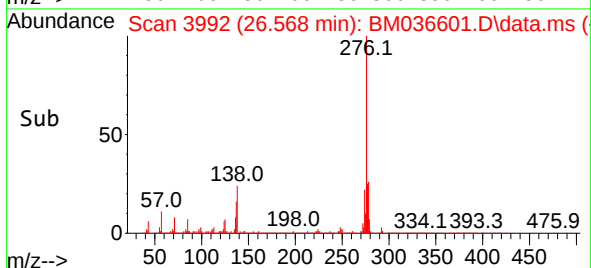
Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022

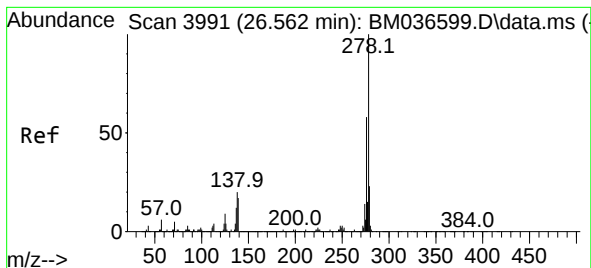


#94
Indeno(1,2,3-cd)pyrene
Concen: 38.044 ng/ul
RT: 26.568 min Scan# 3992
Delta R.T. 0.018 min
Lab File: BM036601.D
Acq: 20 Sep 2022 04:24



Tgt Ion:276 Resp: 4502285
Ion Ratio Lower Upper
276 100
138 23.9 20.2 30.4
277 25.2 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 11.754 ng/ul

RT: 26.574 min Scan# 3991

Delta R.T. 0.000 min

Lab File: BM036601.D

Acq: 20 Sep 2022 04:24

Instrument :

BNA_M

ClientSampleId :

A5776

Tgt Ion:278 Resp: 1261475

Ion Ratio Lower Upper

278 100

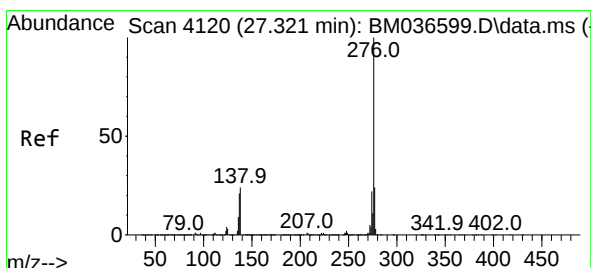
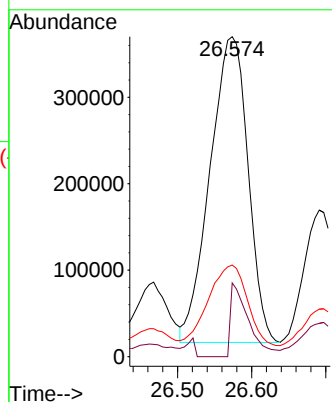
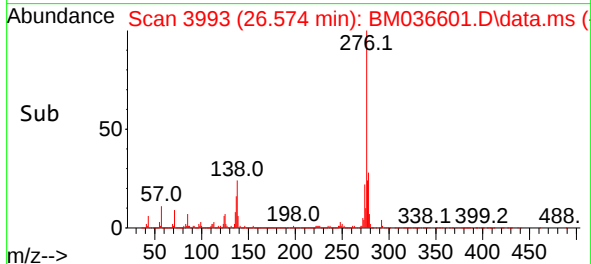
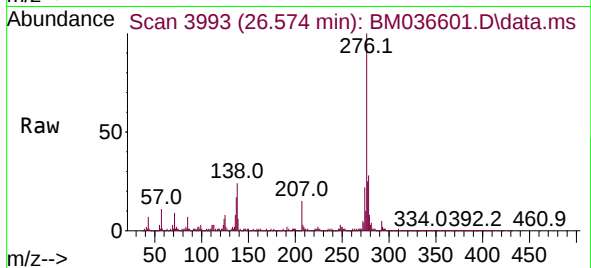
139 23.0 14.5 21.7

279 28.6 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: 33.336 ng/ul

RT: 27.356 min Scan# 4126

Delta R.T. 0.024 min

Lab File: BM036601.D

Acq: 20 Sep 2022 04:24

Tgt Ion:276 Resp: 3420046

Ion Ratio Lower Upper

276 100

138 24.7 18.7 28.1

277 24.3 19.2 28.8

