

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092122\
 Data File : BM036621.D
 Acq On : 21 Sep 2022 12:47
 Operator : CG/JU
 Sample : N4604-18DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A5778DL

Quant Time: Sep 21 22:48:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 21 22:42:41 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/22/2022
 Supervised By :mohammad ahmed 09/23/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.022	152	454299	20.000	ng/u1	0.00
20) Naphthalene-d8	10.833	136	2093255	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.645	164	1349779	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	2673331	20.000	ng/u1	0.00
79) Chrysene-d12	21.550	240	2065862	20.000	ng/u1	0.00
88) Perylene-d12	23.997	264	1703495	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	8965	0.740	ng/uL	0.00
4) Pyridine-d5	3.834	84	27540m	0.779	ng/u1	0.02
7) Phenol-d5	7.175	99	186065	4.583	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.345	67	113483	4.603	ng/u1	0.00
11) 2-Chlorophenol-d4	7.545	132	143605	4.913	ng/u1	0.00
15) 4-Methylphenol-d8	8.728	113	139684	4.656	ng/u1	0.00
21) Nitrobenzene-d5	9.187	128	72397	5.110	ng/u1	0.00
24) 2-Nitrophenol-d4	9.910	143	67813	5.343	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	143387	4.875	ng/u1	0.00
31) 4-Chloroaniline-d4	10.969	131	129049m	2.639	ng/u1	0.00
46) Dimethylphthalate-d6	14.057	166	485324	5.331	ng/u1	0.00
49) Acenaphthylene-d8	14.339	160	562529	5.209	ng/u1	0.00
54) 4-Nitrophenol-d4	14.827	143	60022	3.399	ng/u1	0.00
60) Fluorene-d10	15.633	176	432380	5.300	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	38435	3.634	ng/u1	0.00
73) Anthracene-d10	17.480	188	642504	5.256	ng/u1	0.00
81) Pyrene-d10	19.762	212	706184	6.948	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.839	264	456379	5.484	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.886	128	248431	2.179	ng/u1	99
36) 2-Methylnaphthalene	12.486	142	394202	5.188	ng/u1	97
37) 1-Methylnaphthalene	12.704	142	405899	5.314	ng/u1	100
50) Acenaphthylene	14.369	152	769876	6.236	ng/u1	98
52) Acenaphthene	14.710	153	189645	2.195	ng/u1	97
61) Fluorene	15.692	166	865726	8.762	ng/u1	100
72) Phenanthrene	17.427	178	5888388	39.989	ng/u1	98
74) Anthracene	17.515	178	1689874	11.291	ng/u1	100
80) Fluoranthene	19.433	202	4848767	38.933	ng/u1	99
82) Pyrene	19.798	202	3957138	30.017	ng/u1	100
85) Benzo(a)anthracene	21.539	228	2156835	16.663	ng/u1	96
87) Chrysene	21.592	228	1724867	14.039	ng/u1	97
90) Benzo(b)fluoranthene	23.256	252	1435782	13.291	ng/u1	97
91) Benzo(k)fluoranthene	23.297	252	495023m	4.586	ng/u1	
93) Benzo(a)pyrene	23.886	252	1000417	10.535	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.538	276	456089	4.113	ng/u1	98
95) Dibenzo(a,h)anthracene	26.550	278	148995	1.481	ng/u1#	87
96) Benzo(g,h,i)perylene	27.315	276	330118	3.434	ng/u1	98

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

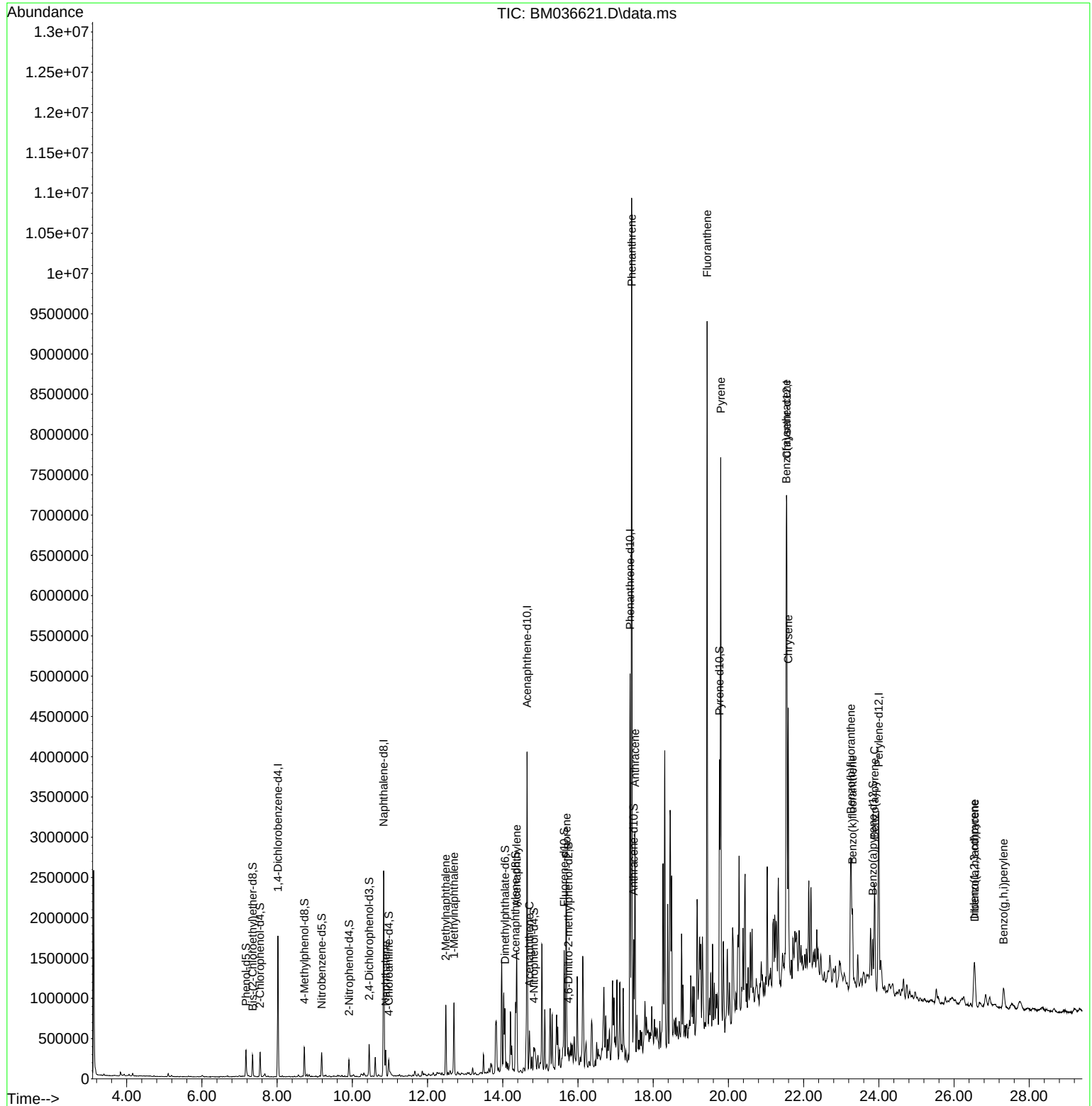
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092122\
 Data File : BM036621.D
 Acq On : 21 Sep 2022 12:47
 Operator : CG/JU
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 ALS Vial : 6 Sample Multiplier: 1

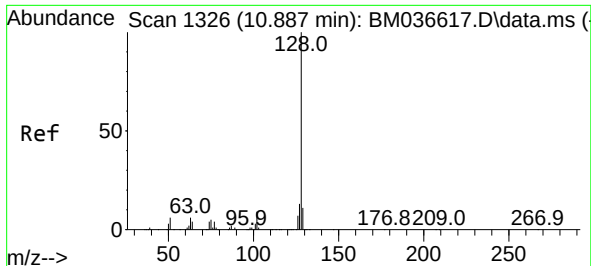
Instrument :
 BNA_M
 ClientSampleId :
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Quant Time: Sep 21 22:48:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
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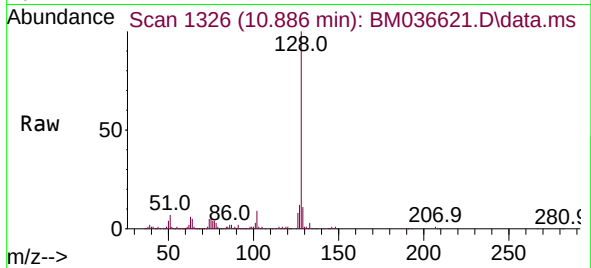
Reviewed By :Jagrut Upadhyay 09/22/2022
 Supervised By :mohammad ahmed 09/23/2022





#30
Naphthalene
Concen: 2.179 ng/ul
RT: 10.886 min Scan# 1326
Delta R.T. -0.000 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47

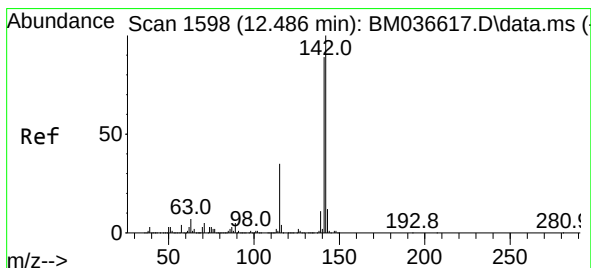
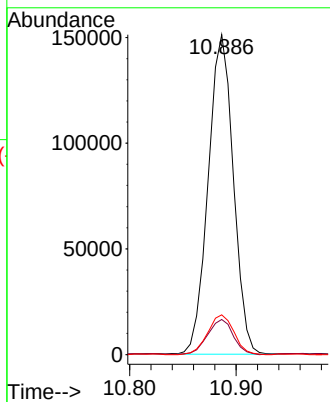
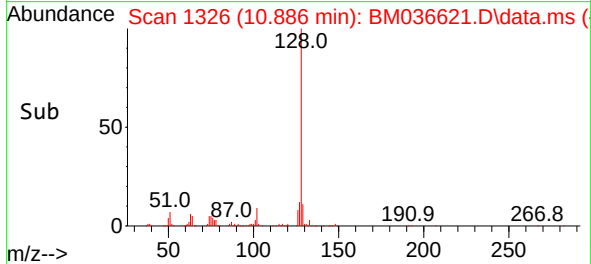
Instrument :
BNA_M
ClientSampleId :
A5778DL



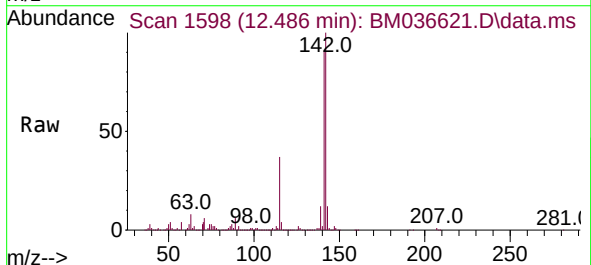
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Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.4 10.3 15.5

Manual Integrations
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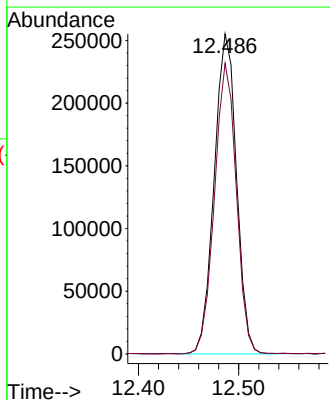
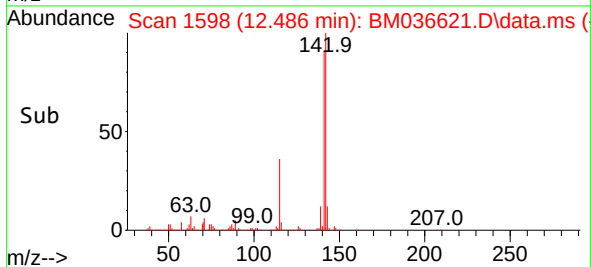
Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022

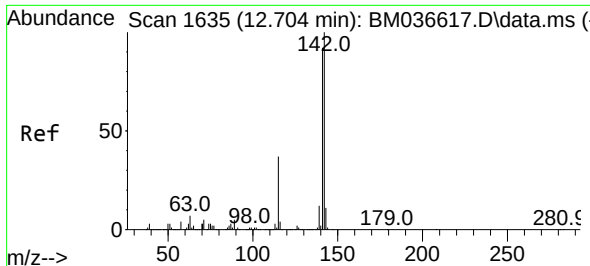


#36
2-Methylnaphthalene
Concen: 5.188 ng/ul
RT: 12.486 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47



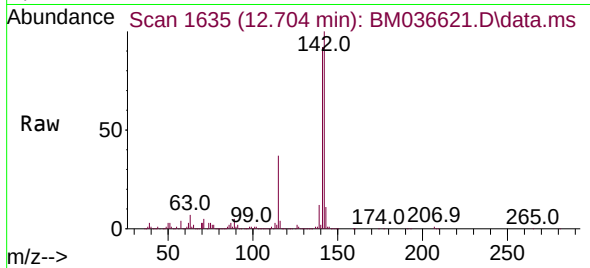
Tgt Ion:142 Resp: 394202
Ion Ratio Lower Upper
142 100
141 90.8 70.7 106.1





#37
1-Methylnaphthalene
Concen: 5.314 ng/ul
RT: 12.704 min Scan# 1635
Delta R.T. -0.000 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47

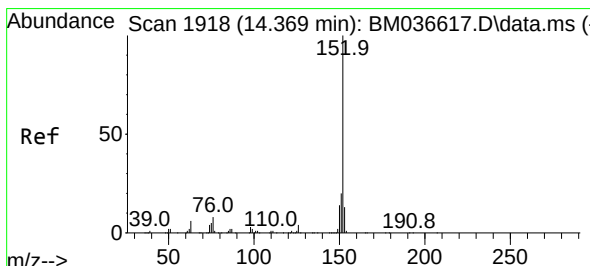
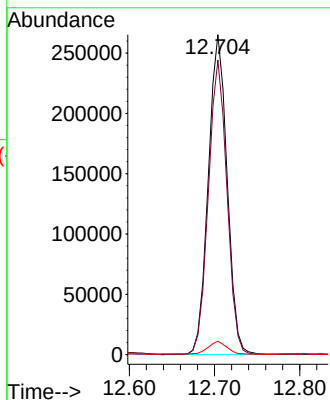
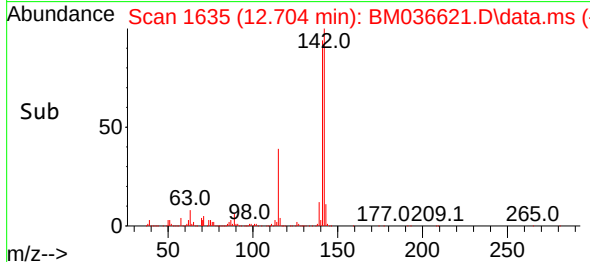
Instrument :
BNA_M
ClientSampleId :
A5778DL



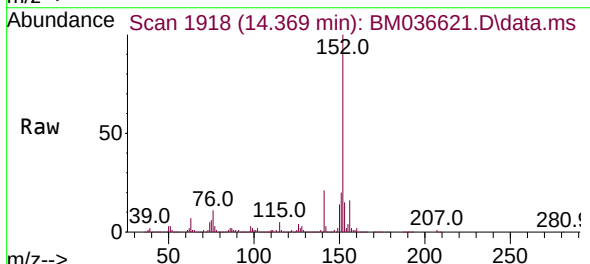
Tgt Ion:142 Resp: 405899
Ion Ratio Lower Upper
142 100
141 92.0 73.4 110.2
116 4.2 3.1 4.7

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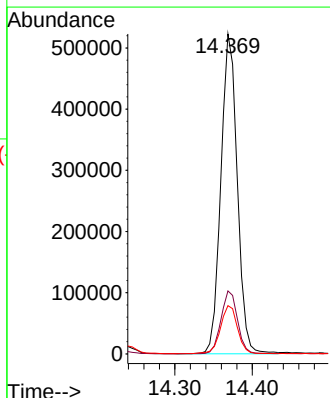
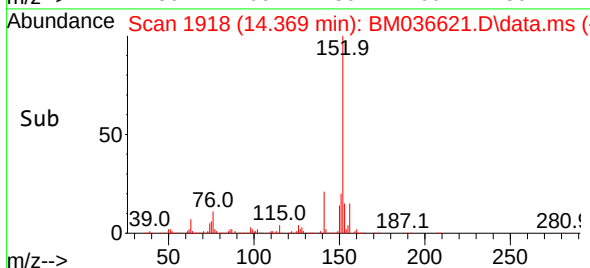
Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022

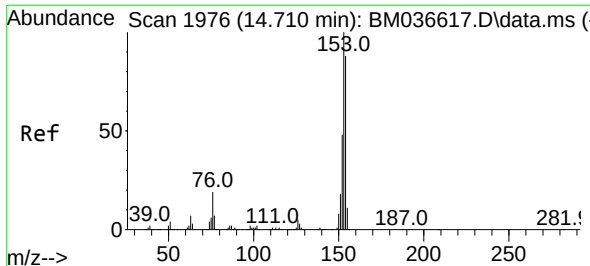


#50
Acenaphthylene
Concen: 6.236 ng/ul
RT: 14.369 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47



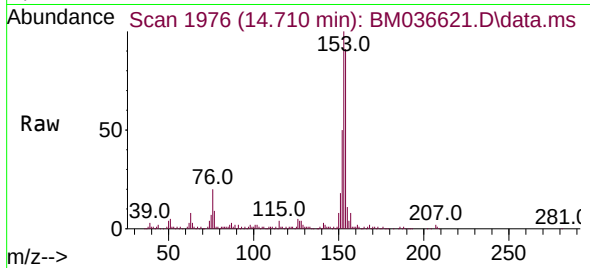
Tgt Ion:152 Resp: 769876
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 15.1 10.5 15.7





#52
Acenaphthene
Concen: 2.195 ng/ul
RT: 14.710 min Scan# 1976
Delta R.T. -0.000 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47

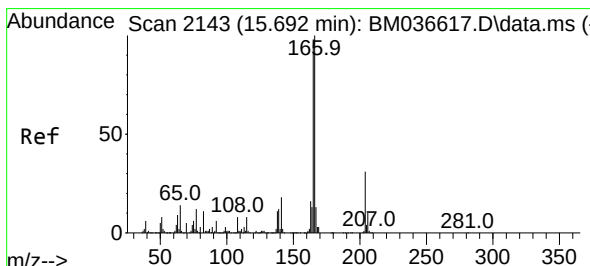
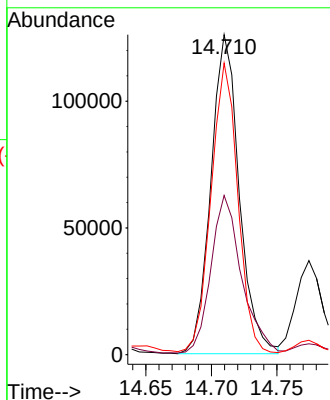
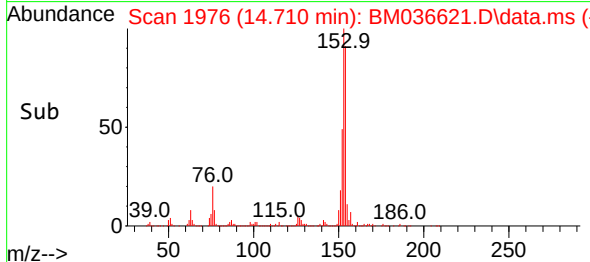
Instrument :
BNA_M
ClientSampleId :
A5778DL



Tgt Ion:153 Resp: 189645
Ion Ratio Lower Upper
153 100
152 49.7 38.2 57.2
154 91.1 71.0 106.6

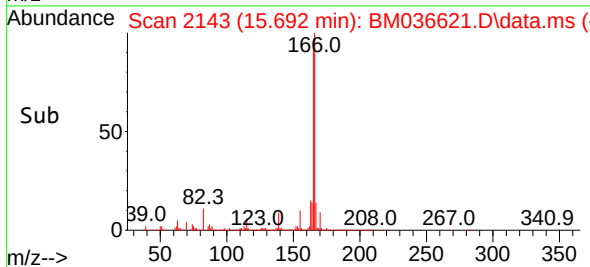
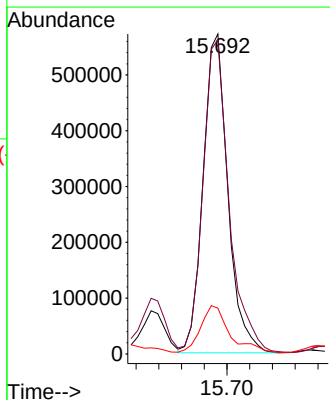
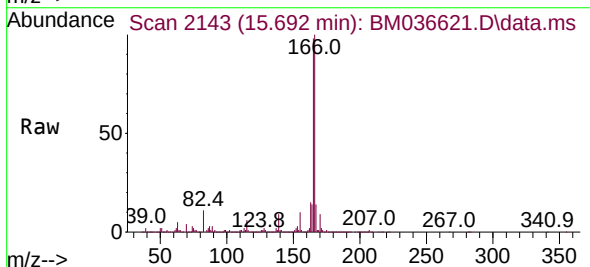
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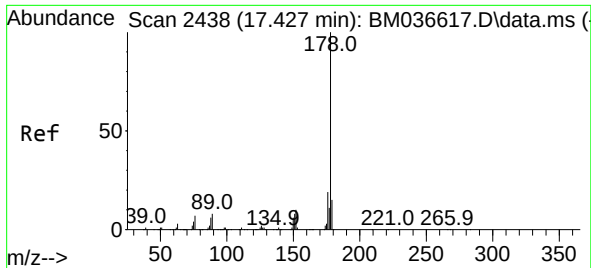
Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022



#61
Fluorene
Concen: 8.762 ng/ul
RT: 15.692 min Scan# 2143
Delta R.T. -0.000 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47

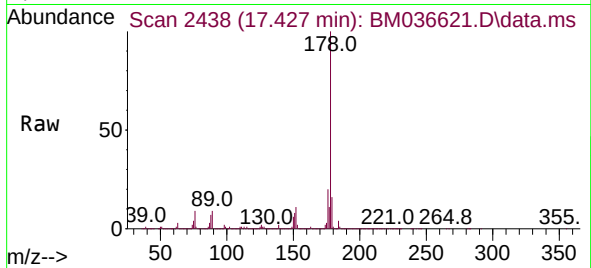
Tgt Ion:166 Resp: 865726
Ion Ratio Lower Upper
166 100
165 98.2 78.5 117.7
167 14.3 10.4 15.6





#72
Phenanthrene
Concen: 39.989 ng/ul
RT: 17.427 min Scan# 2438
Delta R.T. -0.000 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47

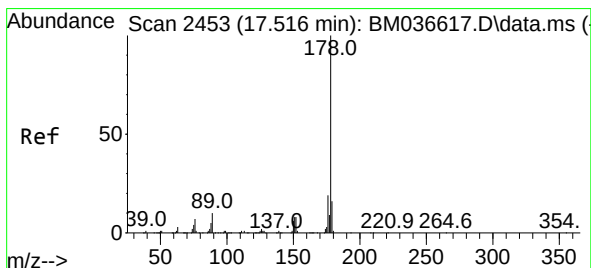
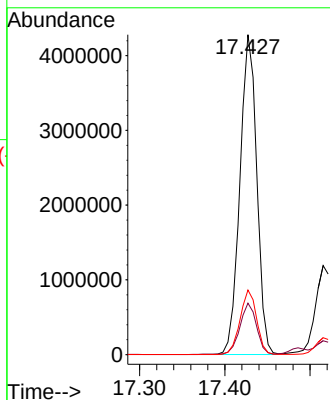
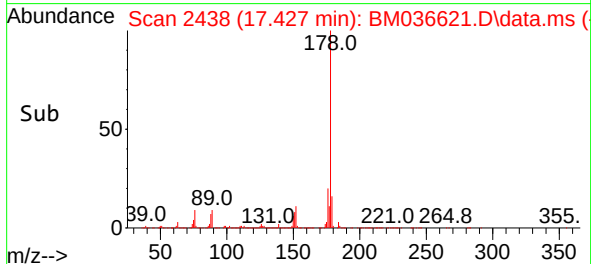
Instrument :
BNA_M
ClientSampleId :
A5778DL



Tgt Ion:178 Resp: 5888388
Ion Ratio Lower Upper
178 100
179 16.1 12.2 18.2
176 20.2 15.7 23.5

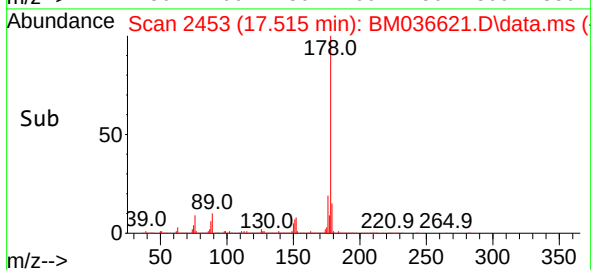
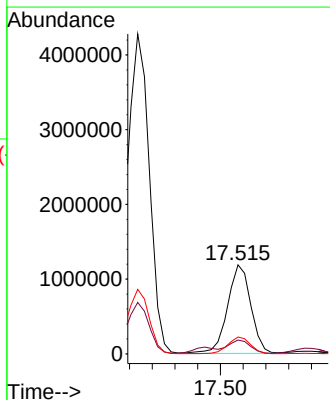
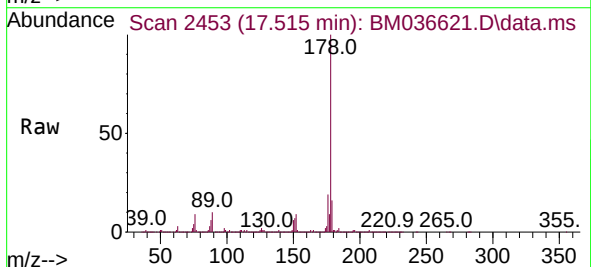
Manual Integrations
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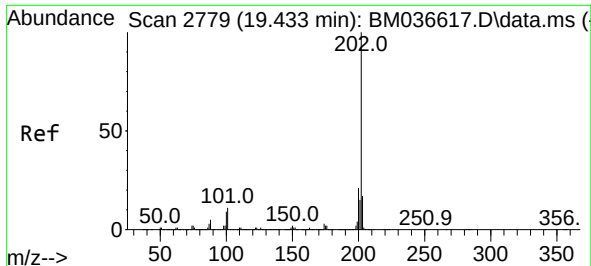
Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022



#74
Anthracene
Concen: 11.291 ng/ul
RT: 17.515 min Scan# 2453
Delta R.T. -0.000 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47

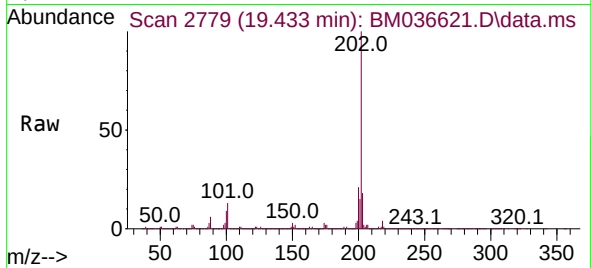
Tgt Ion:178 Resp: 1689874
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 19.0 15.0 22.6





#80
Fluoranthene
Concen: 38.933 ng/ul
RT: 19.433 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47

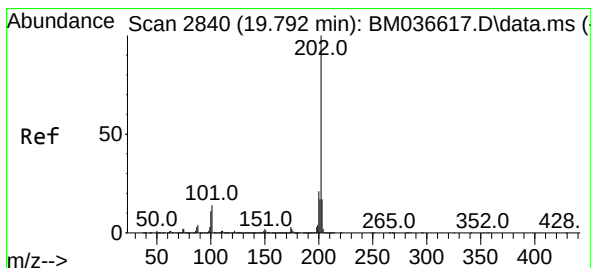
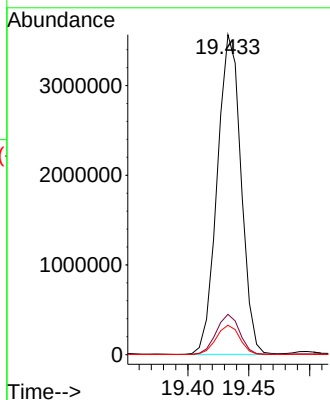
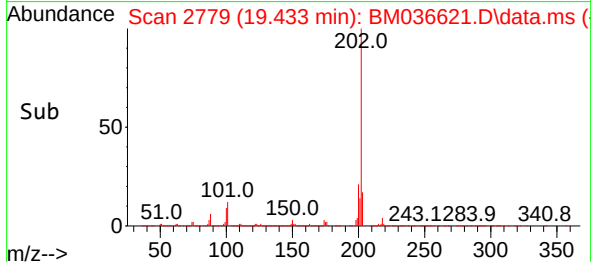
Instrument :
BNA_M
ClientSampleId :
A5778DL



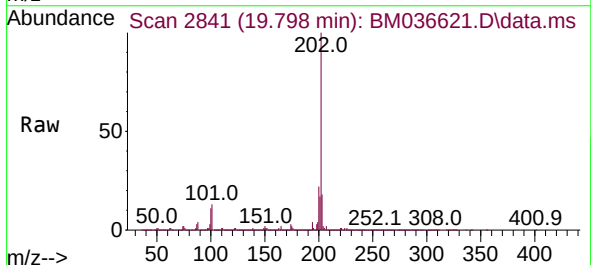
Tgt Ion:202 Resp: 484876
Ion Ratio Lower Upper
202 100
101 12.6 9.8 14.6
100 9.2 7.4 11.2

Manual Integrations
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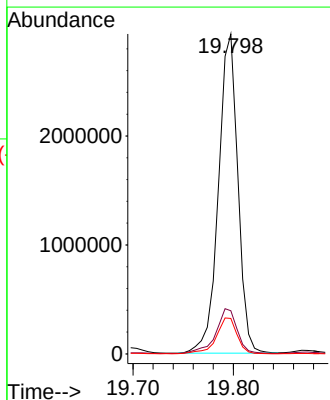
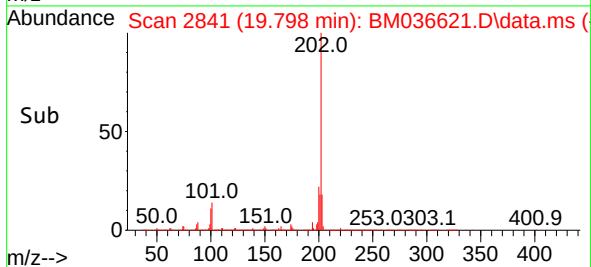
Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022

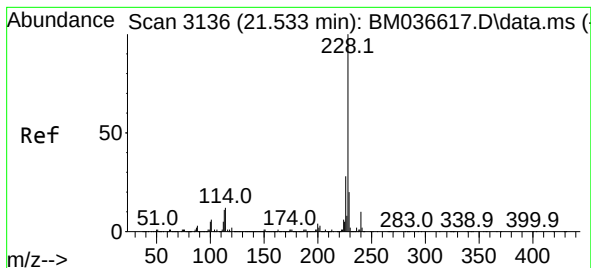


#82
Pyrene
Concen: 30.017 ng/ul
RT: 19.798 min Scan# 2841
Delta R.T. 0.006 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47



Tgt Ion:202 Resp: 3957138
Ion Ratio Lower Upper
202 100
101 13.5 10.9 16.3
100 11.1 8.7 13.1





#85

Benzo(a)anthracene

Concen: 16.663 ng/ul

RT: 21.539 min Scan# 3136

Delta R.T. 0.006 min

Lab File: BM036621.D

Acq: 21 Sep 2022 12:47

Instrument :

BNA_M

ClientSampleId :

A5778DL

Tgt Ion:228 Resp: 2156835

Ion Ratio Lower Upper

228 100

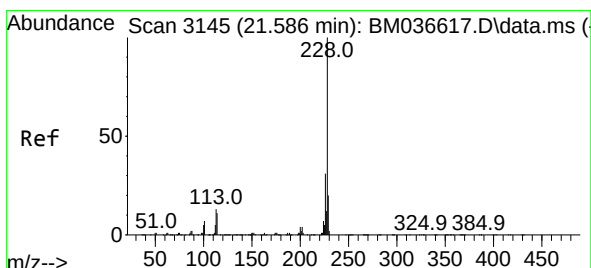
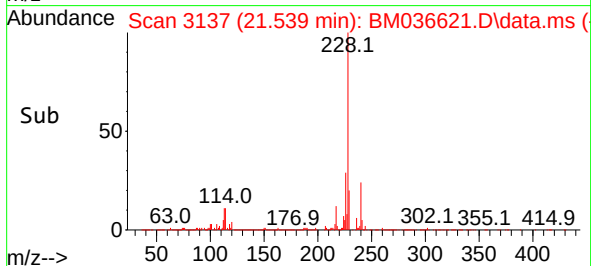
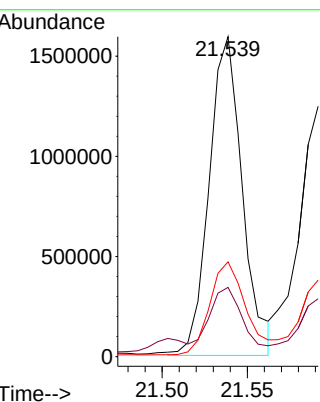
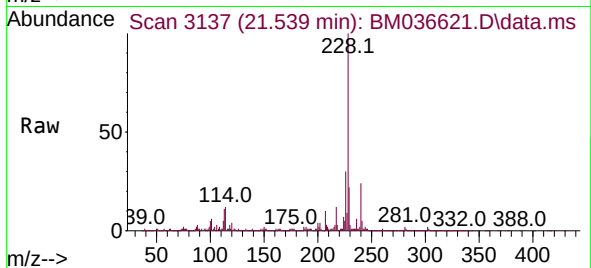
229 21.6 15.8 23.8

226 29.6 21.9 32.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022



#87

Chrysene

Concen: 14.039 ng/ul

RT: 21.592 min Scan# 3146

Delta R.T. 0.006 min

Lab File: BM036621.D

Acq: 21 Sep 2022 12:47

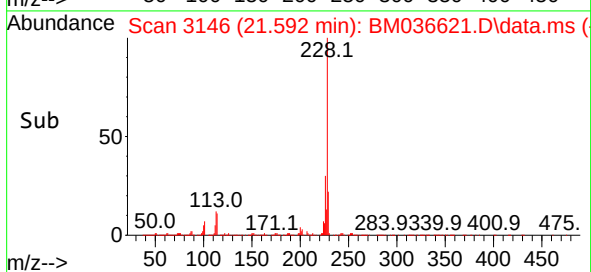
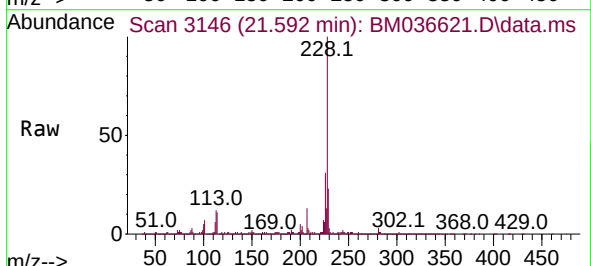
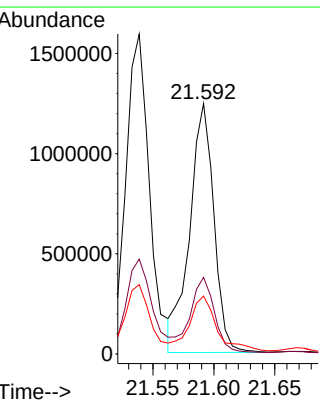
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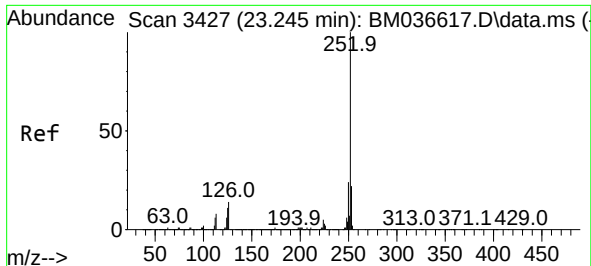
Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

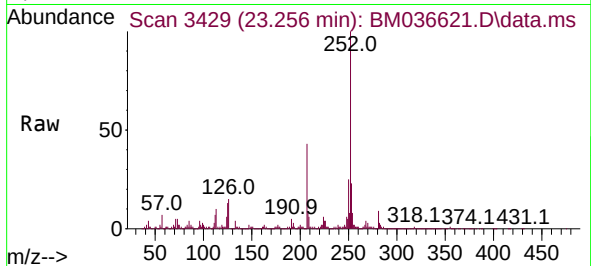
229 23.1 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 13.291 ng/ul
RT: 23.256 min Scan# 3427
Delta R.T. 0.012 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47

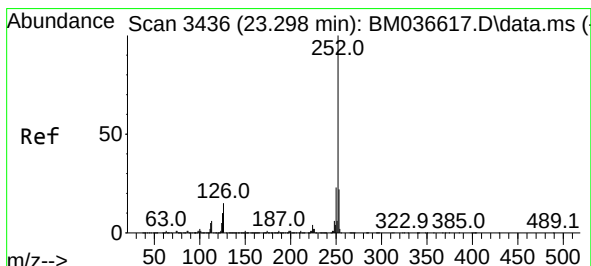
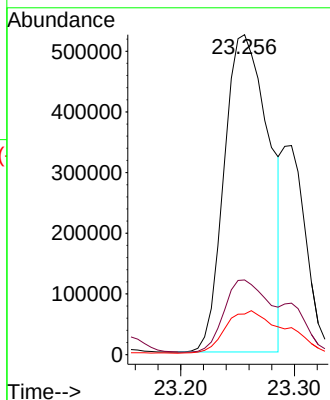
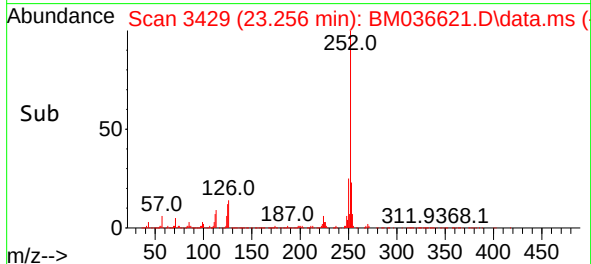
Instrument :
BNA_M
ClientSampleId :
A5778DL



Tgt Ion:252 Resp: 1435782
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 12.7 9.1 13.7

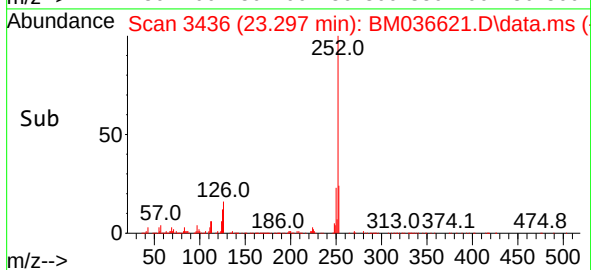
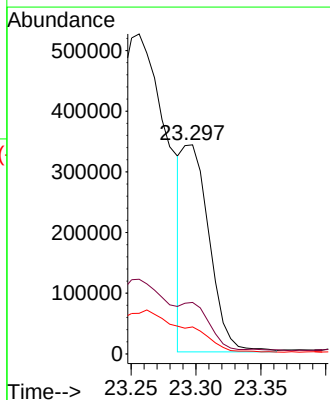
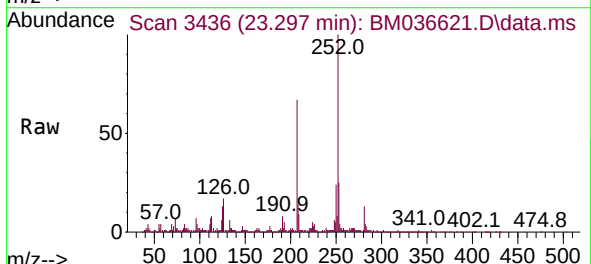
Manual Integrations
APPROVED

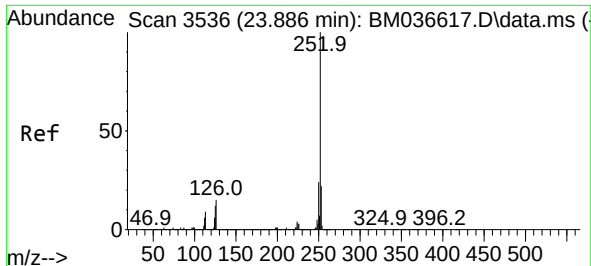
Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022



#91
Benzo(k)fluoranthene
Concen: 4.586 ng/ul m
RT: 23.297 min Scan# 3436
Delta R.T. -0.000 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47

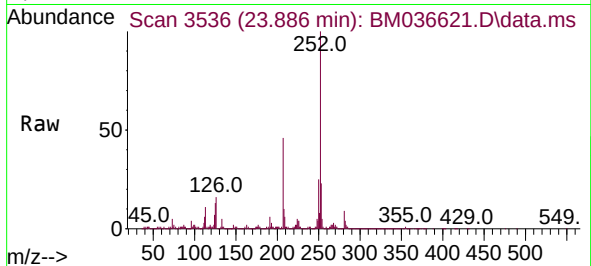
Tgt Ion:252 Resp: 495023
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 12.9 8.2 12.4#





#93
Benzo(a)pyrene
Concen: 10.535 ng/ul
RT: 23.886 min Scan# 3536
Delta R.T. -0.000 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47

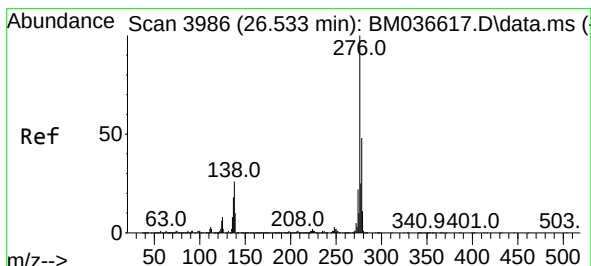
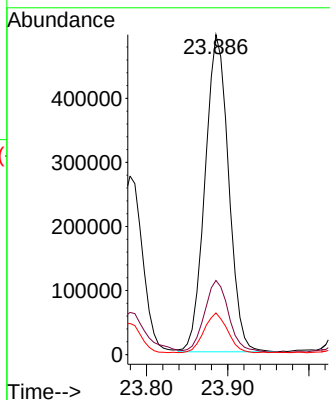
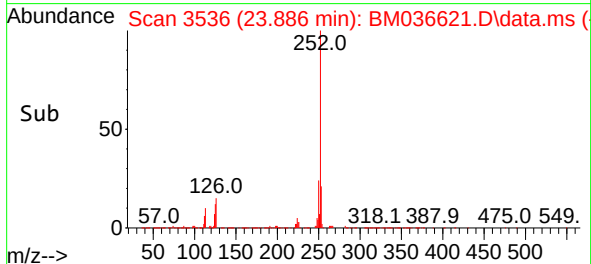
Instrument :
BNA_M
ClientSampleId :
A5778DL



Tgt Ion:252 Resp: 1000417
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 13.0 9.5 14.3

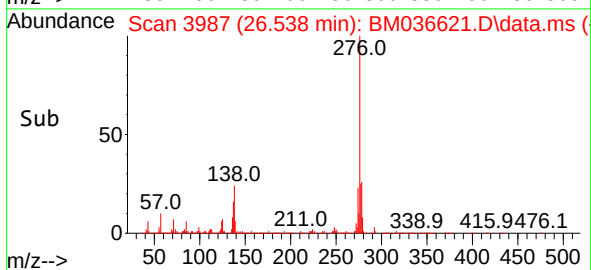
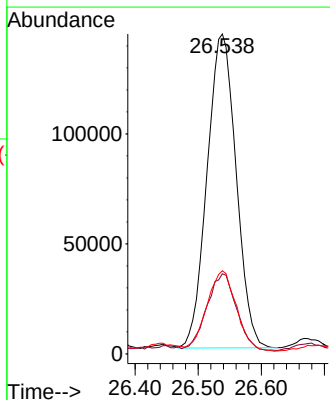
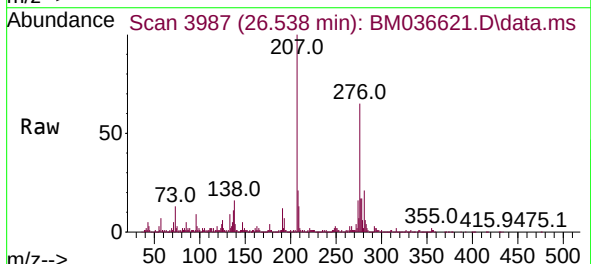
Manual Integrations
APPROVED

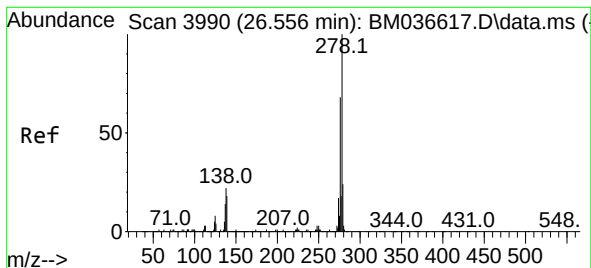
Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022



#94
Indeno(1,2,3-cd)pyrene
Concen: 4.113 ng/ul
RT: 26.538 min Scan# 3987
Delta R.T. 0.006 min
Lab File: BM036621.D
Acq: 21 Sep 2022 12:47

Tgt Ion:276 Resp: 456089
Ion Ratio Lower Upper
276 100
138 25.0 20.2 30.4
277 26.0 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 1.481 ng/ul

RT: 26.550 min Scan# 3990

Delta R.T. -0.006 min

Lab File: BM036621.D

Acq: 21 Sep 2022 12:47

Instrument :

BNA_M

ClientSampleId :

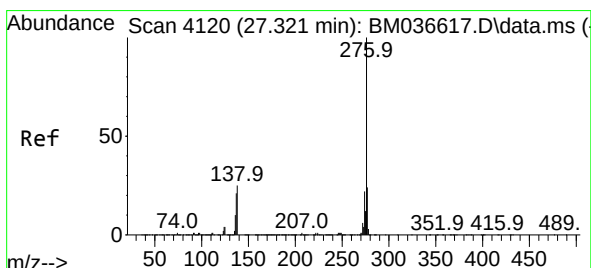
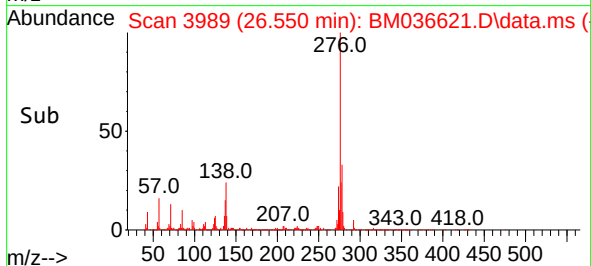
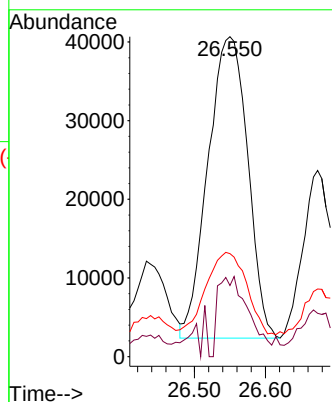
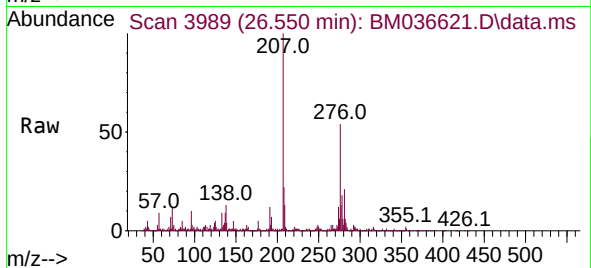
A5778DL

Tgt Ion:	278	Resp:	148995
Ion Ratio	Lower	Upper	
278	100		
139	22.2	14.5	21.7
279	32.2	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022



#96

Benzo(g,h,i)perylene

Concen: 3.434 ng/ul

RT: 27.315 min Scan# 4119

Delta R.T. -0.006 min

Lab File: BM036621.D

Acq: 21 Sep 2022 12:47

Tgt Ion:	276	Resp:	330118
Ion Ratio	Lower	Upper	
276	100		
138	24.9	18.7	28.1
277	24.0	19.2	28.8

