

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092122\
 Data File : BM036620.D
 Acq On : 21 Sep 2022 12:11
 Operator : CG/JU
 Sample : N4604-16DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A5776DL

Manual Integrations
 APPROVED

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

Quant Time: Sep 21 22:47:43 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.022	152	441284	20.000	ng/u1	0.00
20) Naphthalene-d8	10.833	136	1856292	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.645	164	1039500	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.380	188	1875759	20.000	ng/u1	0.00
79) Chrysene-d12	21.550	240	1648918	20.000	ng/u1	0.00
88) Perylene-d12	23.997	264	1729317	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	7773	0.660	ng/uL	0.00
4) Pyridine-d5	3.840	84	18980	0.553	ng/u1	0.02
7) Phenol-d5	7.169	99	140909	3.573	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.345	67	97151	4.057	ng/u1	0.00
11) 2-Chlorophenol-d4	7.551	132	109943	3.872	ng/u1	0.00
15) 4-Methylphenol-d8	8.722	113	95553	3.279	ng/u1	0.00
21) Nitrobenzene-d5	9.186	128	56299	4.481	ng/u1	0.00
24) 2-Nitrophenol-d4	9.910	143	50598	4.496	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.445	165	103453	3.967	ng/u1	0.00
31) 4-Chloroaniline-d4	10.969	131	48693	1.123	ng/u1	0.00
46) Dimethylphthalate-d6	14.057	166	345757	4.932	ng/u1	0.00
49) Acenaphthylene-d8	14.339	160	397155	4.776	ng/u1	0.00
54) 4-Nitrophenol-d4	14.821	143	31664	2.329	ng/u1	0.00
60) Fluorene-d10	15.633	176	305238	4.858	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	22952	3.093	ng/u1	0.00
73) Anthracene-d10	17.480	188	435142	5.074	ng/u1	0.00
81) Pyrene-d10	19.762	212	482913	5.953	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.838	264	440764	5.217	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.886	128	118386	1.171	ng/u1	99
36) 2-Methylnaphthalene	12.486	142	78741	1.169	ng/u1	96
50) Acenaphthylene	14.368	152	207633	2.184	ng/u1	99
72) Phenanthrene	17.427	178	934071	9.041	ng/u1	100
74) Anthracene	17.515	178	378570	3.605	ng/u1	98
80) Fluoranthene	19.433	202	2840684	28.577	ng/u1	99
82) Pyrene	19.792	202	2458021	23.360	ng/u1	98
85) Benzo(a)anthracene	21.539	228	1621028	15.690	ng/u1	95
87) Chrysene	21.591	228	1483648	15.129	ng/u1	98
90) Benzo(b)fluoranthene	23.250	252	2081029	18.977	ng/u1	98
91) Benzo(k)fluoranthene	23.297	252	677063m	6.179	ng/u1	
93) Benzo(a)pyrene	23.885	252	1314559	13.636	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.538	276	924985	8.216	ng/u1	98
95) Dibenzo(a,h)anthracene	26.556	278	250321	2.452	ng/u1#	91
96) Benzo(g,h,i)perylene	27.326	276	703289	7.206	ng/u1	96

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

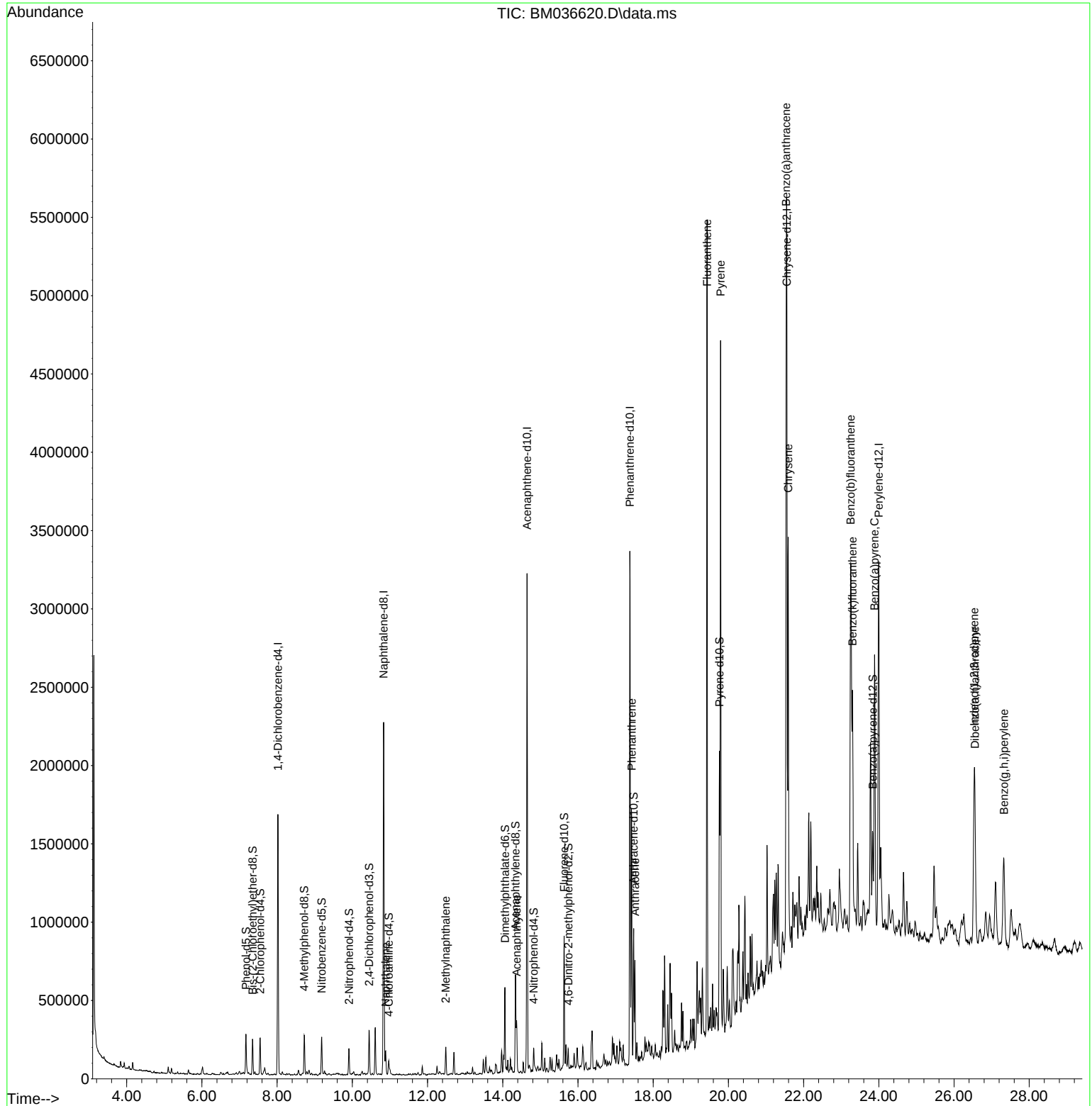
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092122\
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 ALS Vial : 5 Sample Multiplier: 1

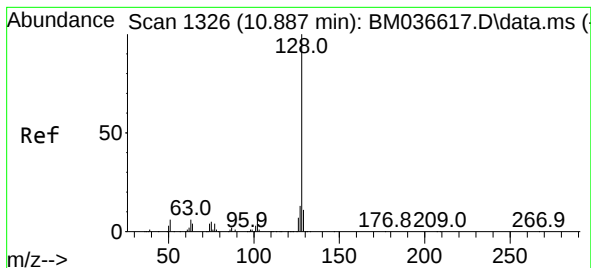
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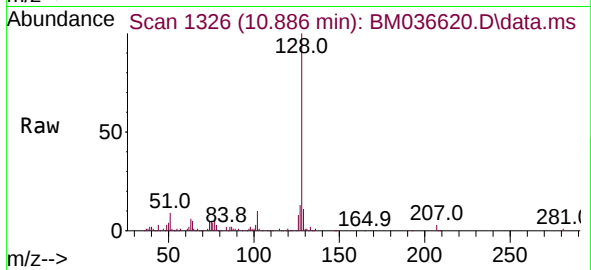
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#30
Naphthalene
Concen: 1.171 ng/ul
RT: 10.886 min Scan# 1326
Delta R.T. -0.000 min
Lab File: BM036620.D
Acq: 21 Sep 2022 12:11

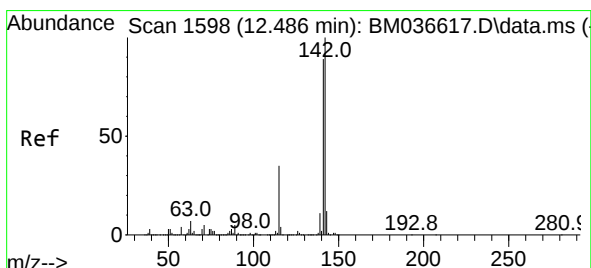
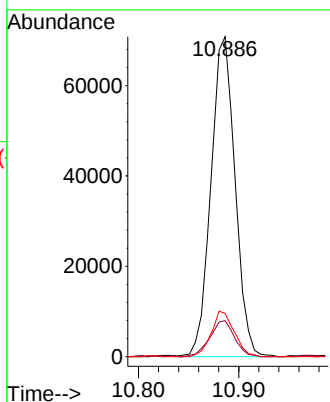
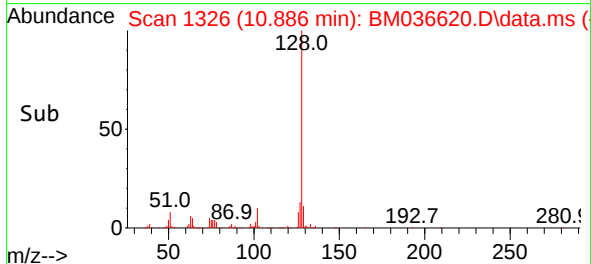
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BNA_M
ClientSampleId :
A5776DL



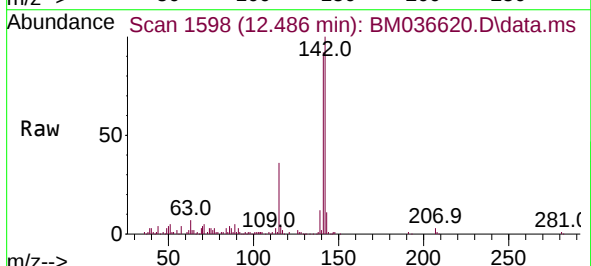
Tgt Ion:128 Resp: 118386
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.5 10.3 15.5

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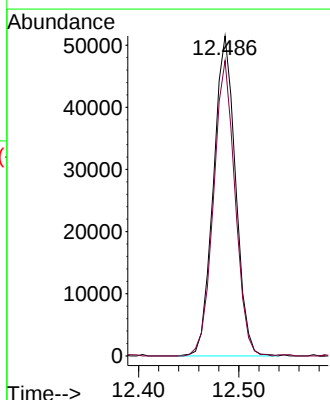
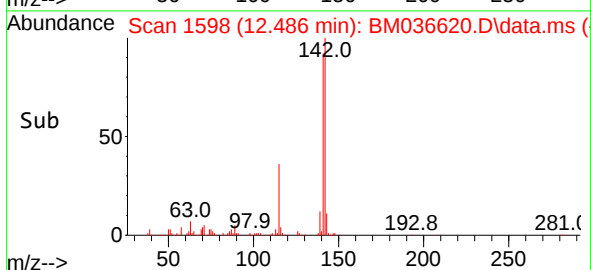
Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022

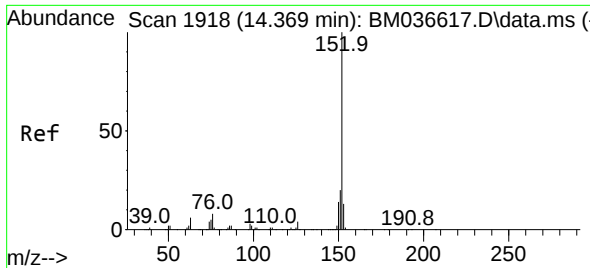


#36
2-Methylnaphthalene
Concen: 1.169 ng/ul
RT: 12.486 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BM036620.D
Acq: 21 Sep 2022 12:11



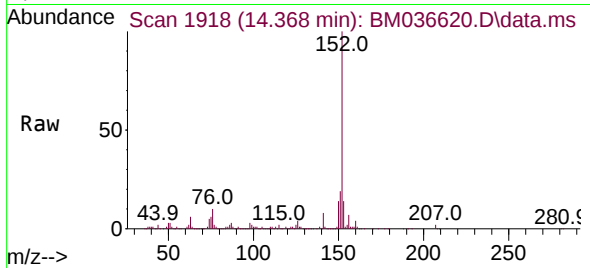
Tgt Ion:142 Resp: 78741
Ion Ratio Lower Upper
142 100
141 92.3 70.7 106.1





#50
Acenaphthylene
Concen: 2.184 ng/ul
RT: 14.368 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BM036620.D
Acq: 21 Sep 2022 12:11

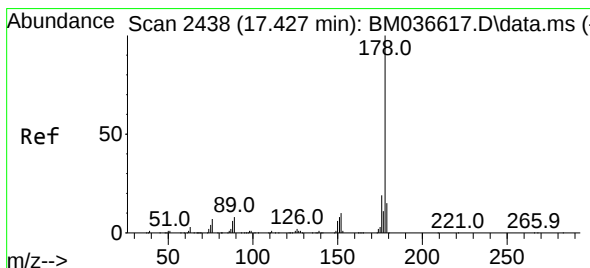
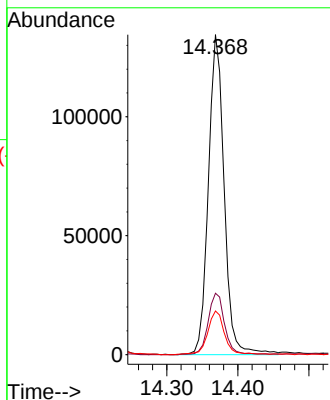
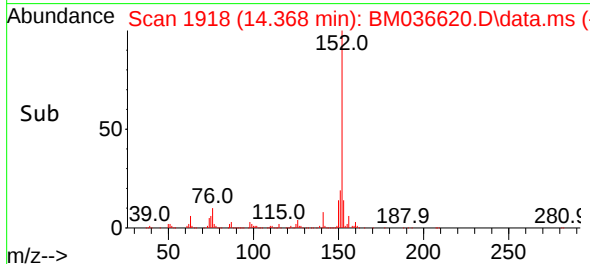
Instrument :
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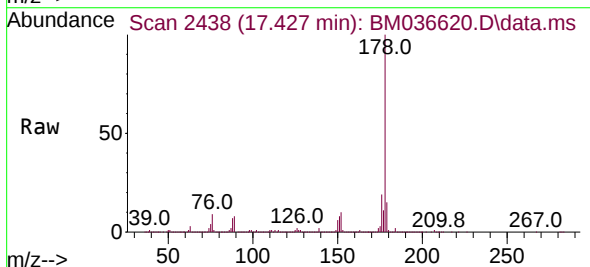
Tgt Ion:152 Resp: 207633
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.6 10.5 15.7

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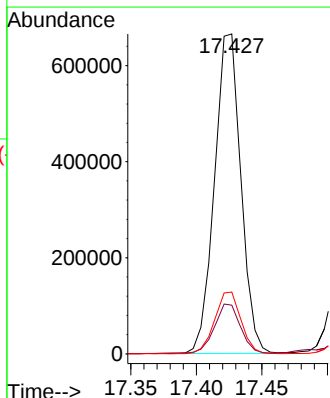
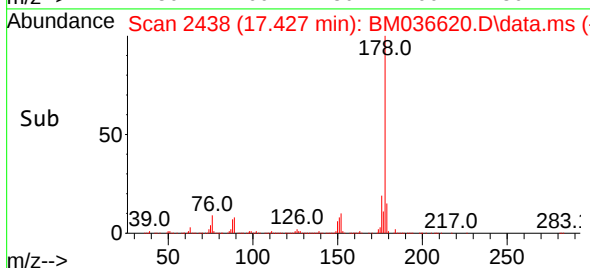
Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022

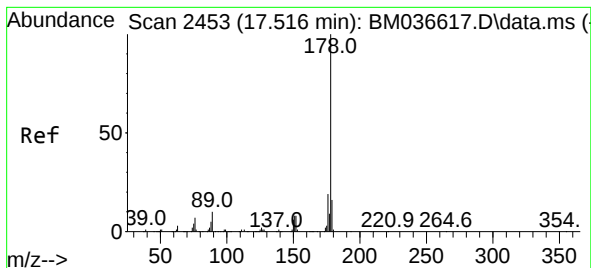


#72
Phenanthrene
Concen: 9.041 ng/ul
RT: 17.427 min Scan# 2438
Delta R.T. -0.000 min
Lab File: BM036620.D
Acq: 21 Sep 2022 12:11



Tgt Ion:178 Resp: 934071
Ion Ratio Lower Upper
178 100
179 15.2 12.2 18.2
176 19.4 15.7 23.5





#74

Anthracene

Concen: 3.605 ng/ul

RT: 17.515 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM036620.D

Acq: 21 Sep 2022 12:11

Instrument :

BNA_M

ClientSampleId :

A5776DL

Tgt Ion:178 Resp: 378576

Ion Ratio Lower Upper

178 100

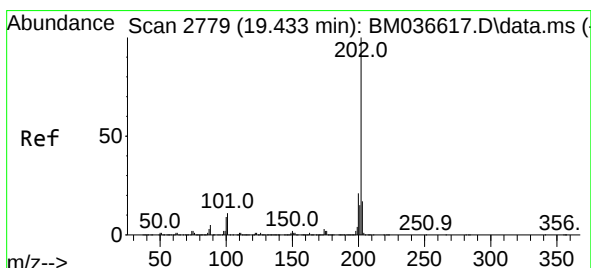
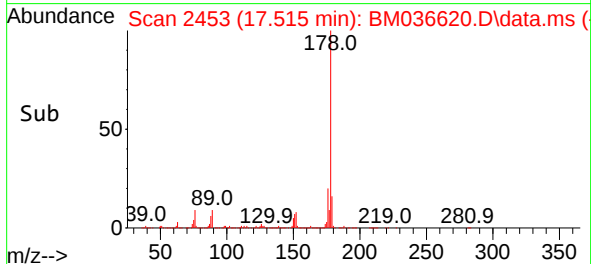
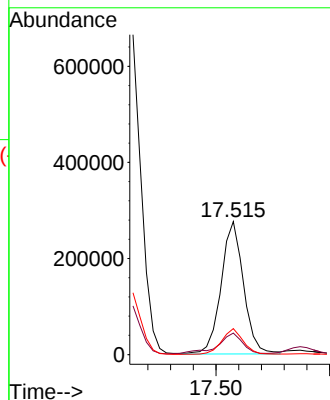
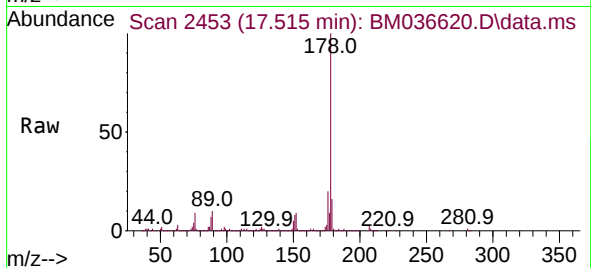
179 16.1 12.3 18.5

176 19.6 15.0 22.6

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#80

Fluoranthene

Concen: 28.577 ng/ul

RT: 19.433 min Scan# 2779

Delta R.T. -0.000 min

Lab File: BM036620.D

Acq: 21 Sep 2022 12:11

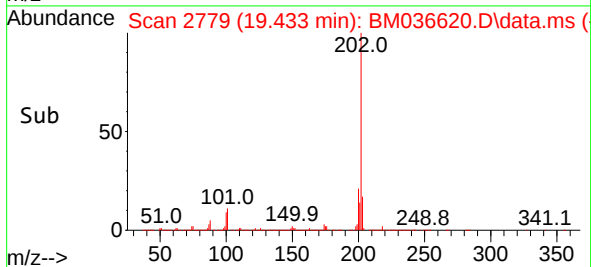
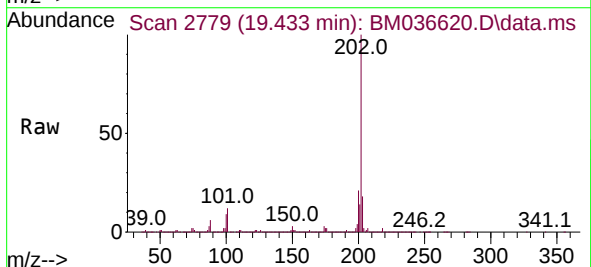
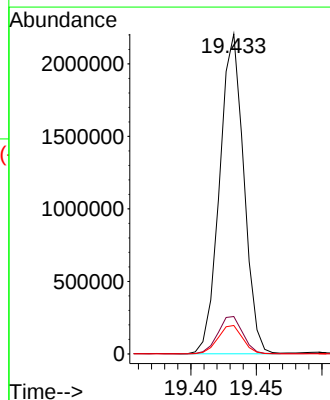
Tgt Ion:202 Resp: 2840684

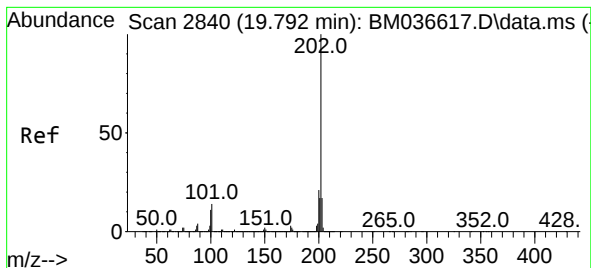
Ion Ratio Lower Upper

202 100

101 11.7 9.8 14.6

100 8.9 7.4 11.2





#82

Pyrene

Concen: 23.360 ng/ul

RT: 19.792 min Scan# 2840

Delta R.T. -0.000 min

Lab File: BM036620.D

Acq: 21 Sep 2022 12:11

Instrument :

BNA_M

ClientSampleId :

A5776DL

Tgt Ion:202 Resp: 245802

Ion Ratio Lower Upper

202 100

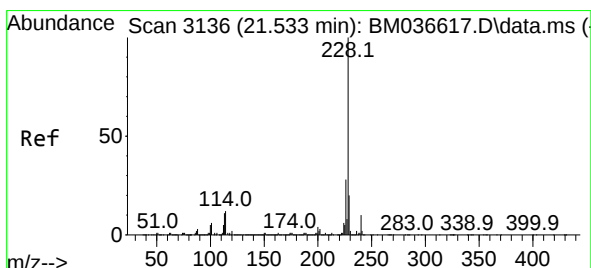
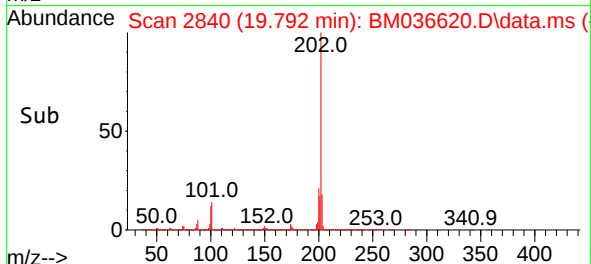
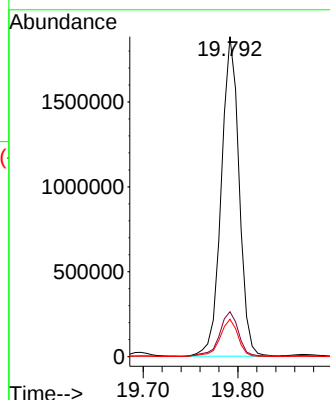
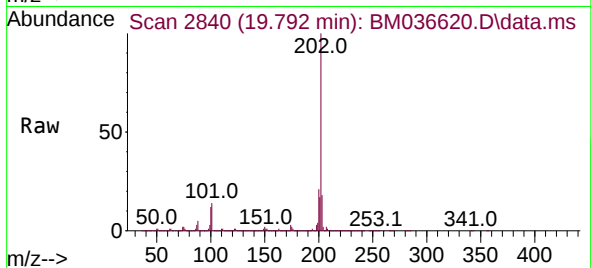
101 14.0 10.9 16.3

100 11.7 8.7 13.1

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#85

Benzo(a)anthracene

Concen: 15.690 ng/ul

RT: 21.539 min Scan# 3137

Delta R.T. 0.006 min

Lab File: BM036620.D

Acq: 21 Sep 2022 12:11

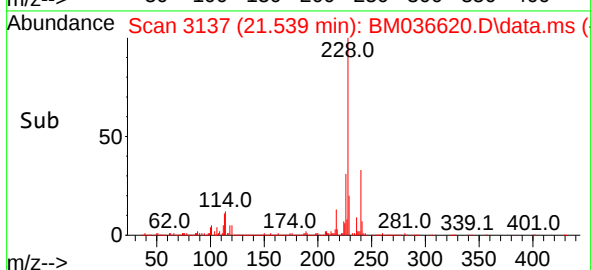
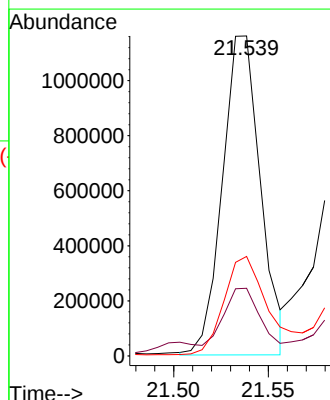
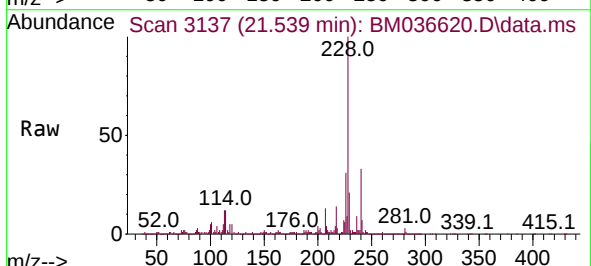
Tgt Ion:228 Resp: 1621028

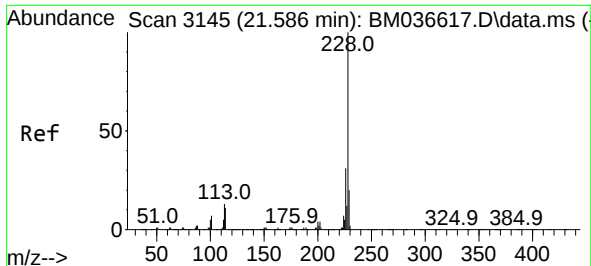
Ion Ratio Lower Upper

228 100

229 21.1 15.8 23.8

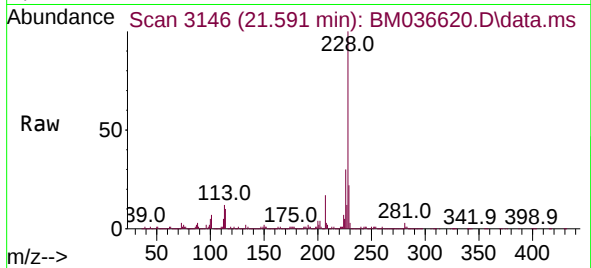
226 31.1 21.9 32.9





#87
Chrysene
Concen: 15.129 ng/ul
RT: 21.591 min Scan# 3145
Delta R.T. 0.006 min
Lab File: BM036620.D
Acq: 21 Sep 2022 12:11

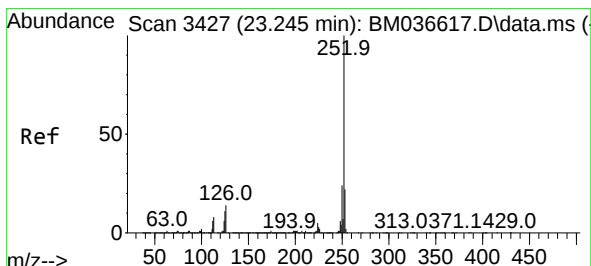
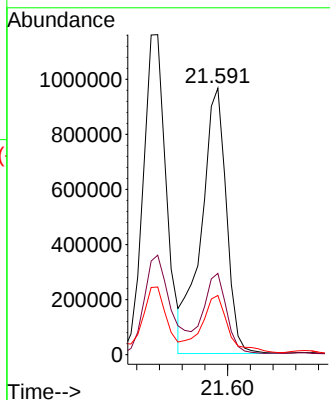
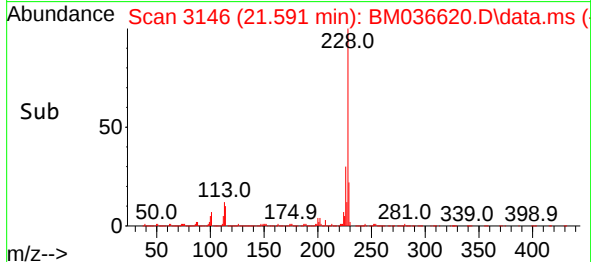
Instrument :
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Tgt Ion:228 Resp: 1483648
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 22.2 15.6 23.4

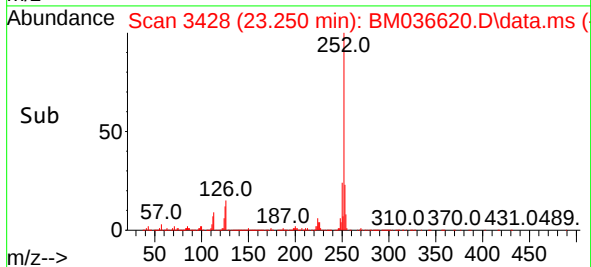
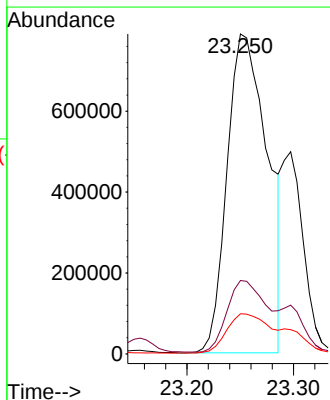
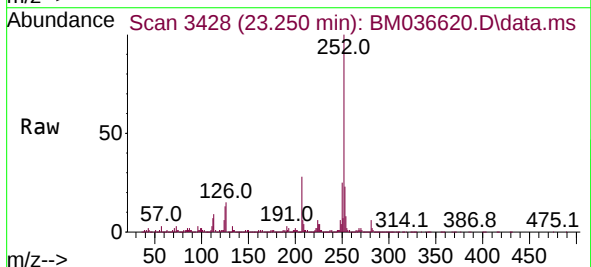
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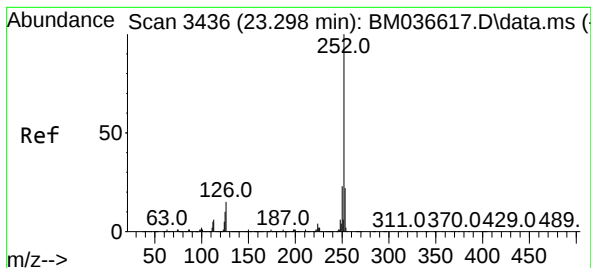
Reviewed By :Jagrut Upadhyay 09/22/2022
Supervised By :mohammad ahmed 09/23/2022



#90
Benzo(b)fluoranthene
Concen: 18.977 ng/ul
RT: 23.250 min Scan# 3428
Delta R.T. 0.006 min
Lab File: BM036620.D
Acq: 21 Sep 2022 12:11

Tgt Ion:252 Resp: 2081029
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 12.5 9.1 13.7





#91

Benzo(k)fluoranthene

Concen: 6.179 ng/ul m

RT: 23.297 min Scan# 3436

Delta R.T. -0.000 min

Lab File: BM036620.D

Acq: 21 Sep 2022 12:11

Instrument :

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ClientSampleId :

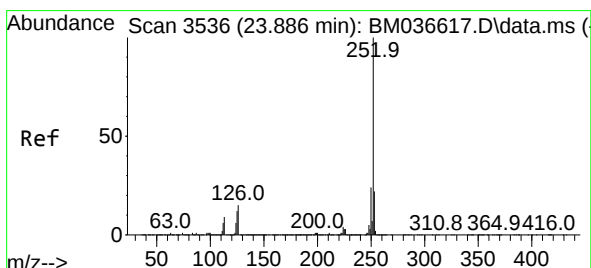
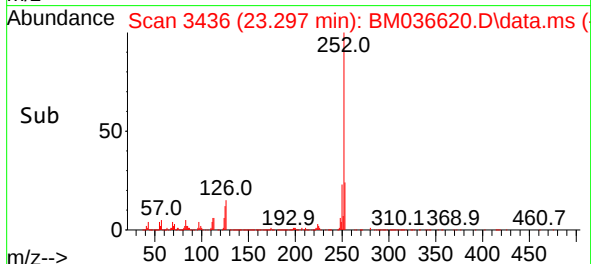
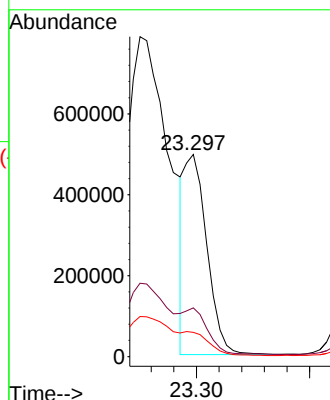
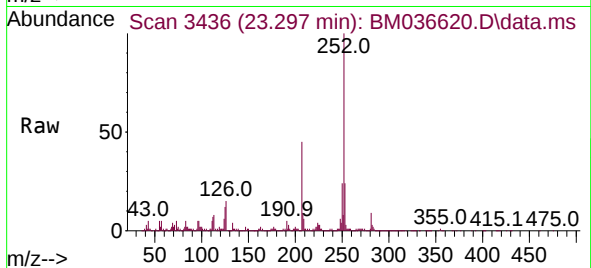
A5776DL

Tgt Ion:252 Resp: 677063
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.8 26.8
 125 12.0 8.2 12.4

Manual Integrations

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#93

Benzo(a)pyrene

Concen: 13.636 ng/ul

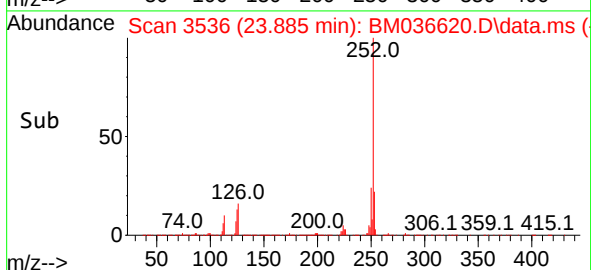
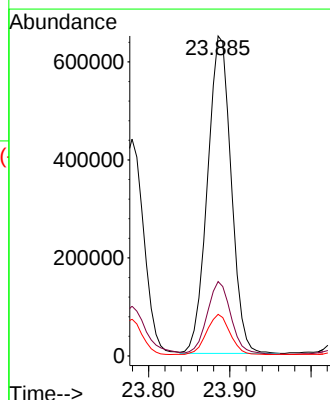
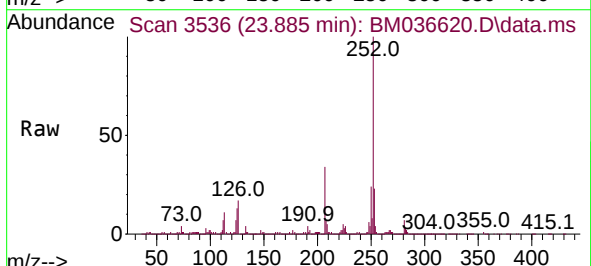
RT: 23.885 min Scan# 3536

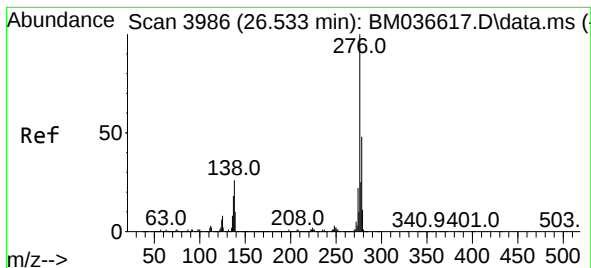
Delta R.T. -0.000 min

Lab File: BM036620.D

Acq: 21 Sep 2022 12:11

Tgt Ion:252 Resp: 1314559
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.5 26.3
 125 13.0 9.5 14.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 8.216 ng/ul

RT: 26.538 min Scan# 3986

Delta R.T. 0.006 min

Lab File: BM036620.D

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Instrument :

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Tgt Ion:276 Resp: 924985

Ion Ratio Lower Upper

276 100

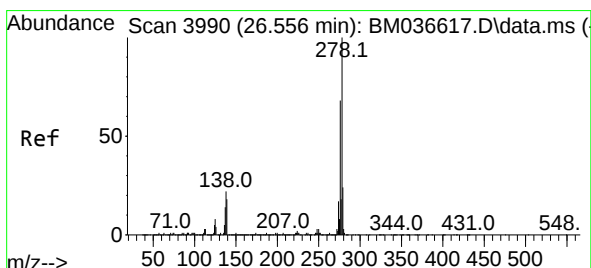
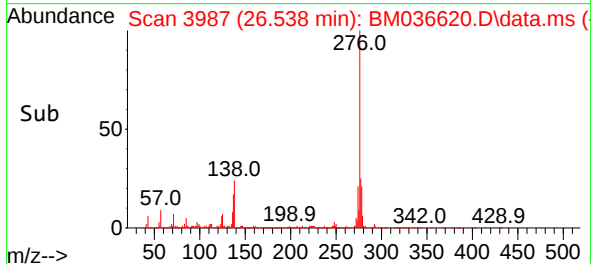
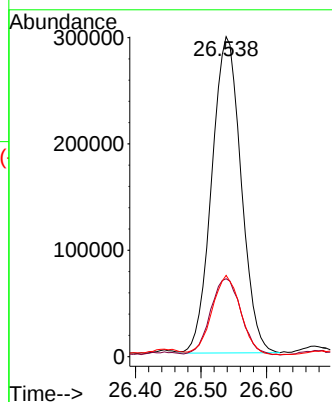
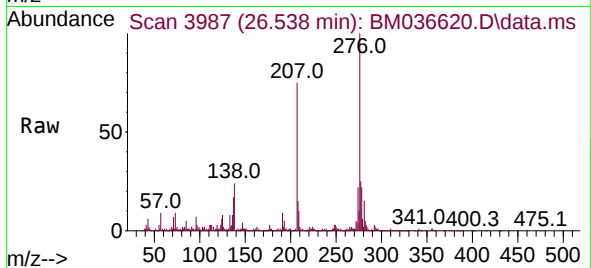
138 24.3 20.2 30.4

277 25.4 19.7 29.5

Manual Integrations

APPROVED

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



#95

Dibenzo(a,h)anthracene

Concen: 2.452 ng/ul

RT: 26.556 min Scan# 3990

Delta R.T. -0.000 min

Lab File: BM036620.D

Acq: 21 Sep 2022 12:11

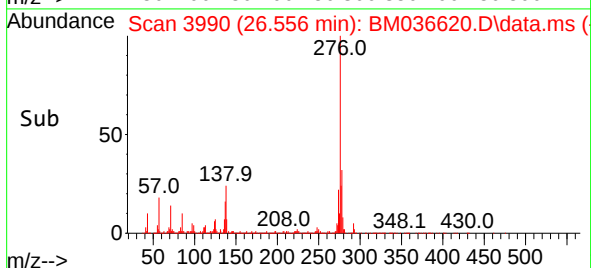
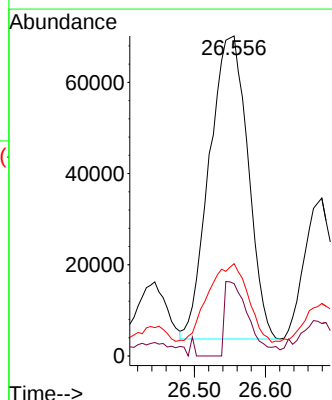
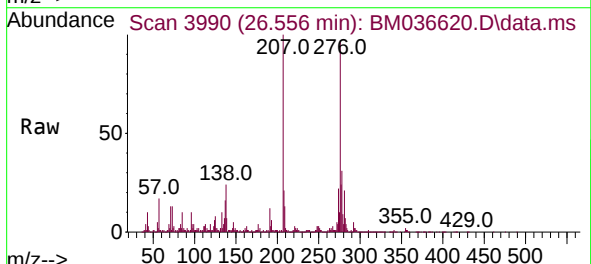
Tgt Ion:278 Resp: 250321

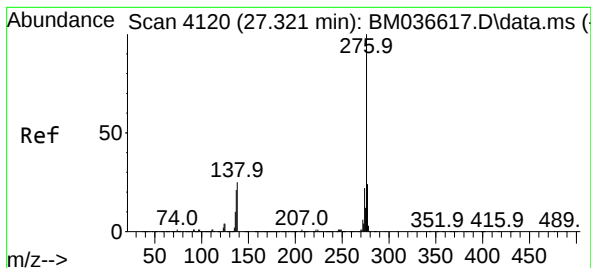
Ion Ratio Lower Upper

278 100

139 22.6 14.5 21.7#

279 28.8 19.7 29.5





#96

Benzo(g,h,i)perylene

Concen: 7.206 ng/ul

RT: 27.326 min Scan# 41

Delta R.T. 0.006 min

Lab File: BM036620.D

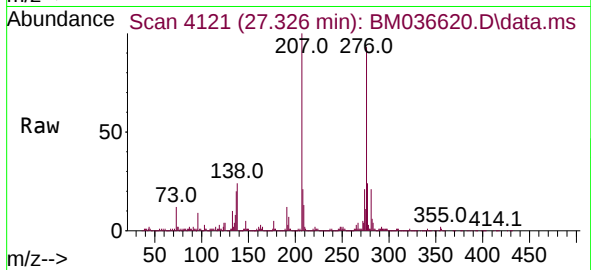
Acq: 21 Sep 2022 12:11

Instrument :

BNA_M

ClientSampleId :

A5776DL



Tgt Ion:276 Resp: 703289

Ion Ratio Lower Upper

276 100

138 25.6 18.7 28.1

277 25.4 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/22/2022

Supervised By :mohammad ahmed 09/23/2022

