

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046026.D
 Acq On : 13 Jun 2024 16:37
 Operator : MA/JU
 Sample : P2648-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHBT8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/14/2024
 Supervised By :mohammad ahmed 06/15/2024

Quant Time: Jun 14 01:23:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 16:01:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.434	152	117507	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	484682	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.080	164	295415	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.827	188	590858	20.000	ng/u1	0.00
79) Chrysene-d12	21.045	240	557341	20.000	ng/u1	0.00
88) Perylene-d12	23.750	264	640879	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	9852	3.251	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	0.00
7) Phenol-d5	6.693	99	227298	22.770	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.804	67	168986	23.574	ng/u1	0.00
11) 2-Chlorophenol-d4	6.998	132	185369	24.860	ng/u1	0.00
15) 4-Methylphenol-d8	8.210	113	173724	23.035	ng/u1	0.00
21) Nitrobenzene-d5	8.604	128	95762	25.270	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	101651	26.504	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	173092	24.067	ng/u1	0.00
31) 4-Chloroaniline-d4	10.392	131	120677	12.124	ng/u1	0.00
46) Dimethylphthalate-d6	13.527	166	539199	26.365	ng/u1	0.00
49) Acenaphthylene-d8	13.769	160	616353	25.953	ng/u1	0.00
54) 4-Nitrophenol-d4	14.392	143	61120	13.848	ng/u1	0.01
60) Fluorene-d10	15.080	176	455067	26.082	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.233	200	45916	15.218	ng/u1	0.01
73) Anthracene-d10	16.927	188	696592	27.119	ng/u1	0.00
81) Pyrene-d10	19.227	212	741076	21.381	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.568	264	585059	19.533	ng/u1	0.00
Target Compounds					Qvalue	
16) Acetophenone	8.287	105	19956	1.588	ng/u1	84
50) Acenaphthylene	13.804	152	66154	2.407	ng/u1	96
52) Acenaphthene	14.145	153	19051	1.039	ng/u1	97
61) Fluorene	15.139	166	22622	1.135	ng/u1	99
72) Phenanthrene	16.868	178	570332	18.319	ng/u1	99
74) Anthracene	16.962	178	118790	3.820	ng/u1	97
77) Carbazole	17.251	167	50646	1.909	ng/u1	96
80) Fluoranthene	18.892	202	1238516	29.475	ng/u1	99
82) Pyrene	19.256	202	980633	22.715	ng/u1	97
83) Butylbenzylphthalate	20.180	149	27448	1.560	ng/u1#	84
85) Benzo(a)anthracene	21.027	228	567020	14.734	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	20.974	149	140830	5.387	ng/u1	100
87) Chrysene	21.080	228	640145	17.981	ng/u1	97
90) Benzo(b)fluoranthene	22.909	252	784360	19.915	ng/u1	98
91) Benzo(k)fluoranthene	22.956	252	300153m	7.803	ng/u1	
93) Benzo(a)pyrene	23.621	252	330356	9.545	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.732	276	302314	7.999	ng/u1	99
95) Dibenzo(a,h)anthracene	26.768	278	101022	3.379	ng/u1	93
96) Benzo(g,h,i)perylene	27.674	276	48411m	1.454	ng/u1	

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

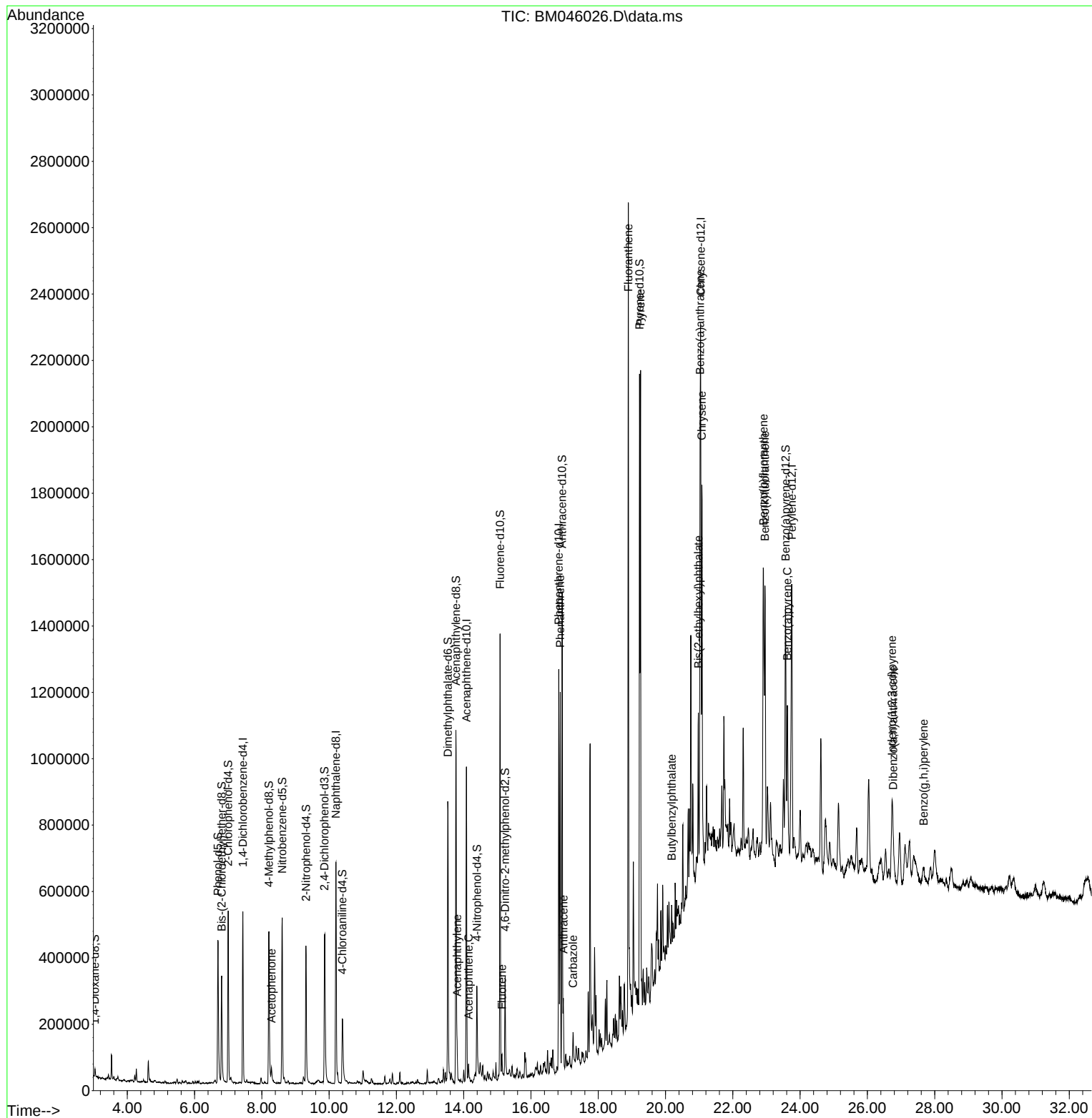
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
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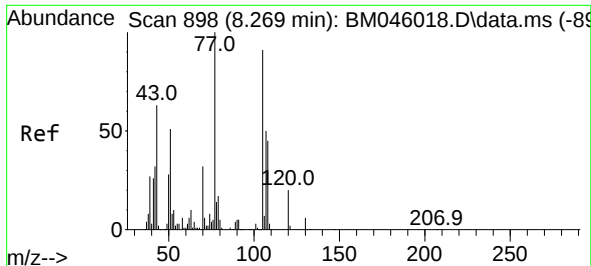
Instrument :
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 Supervised By :mohammad ahmed 06/15/2024

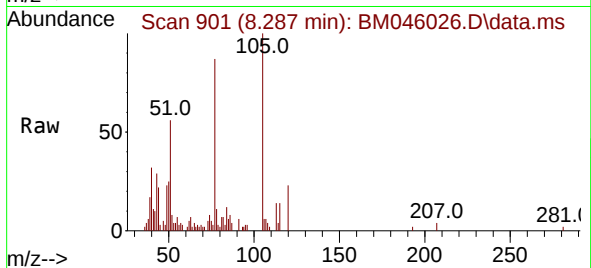
Quant Time: Jun 14 01:23:24 2024
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 Quant Title : SVOA CALIBRATION
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#16
Acetophenone
Concen: 1.588 ng/ul
RT: 8.287 min Scan# 901
Delta R.T. 0.012 min
Lab File: BM046026.D
Acq: 13 Jun 2024 16:37

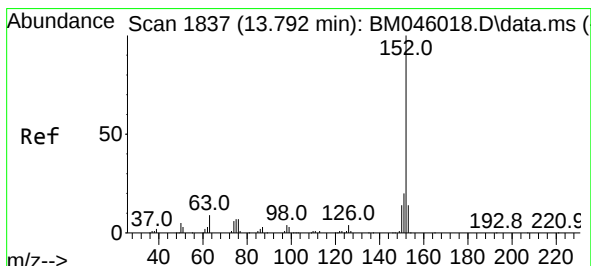
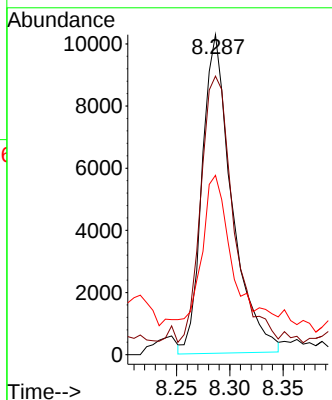
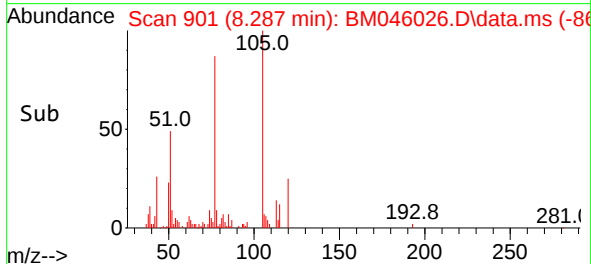
Instrument :
BNA_M
ClientSampleId :
BHBT8



Tgt Ion:105 Resp: 19950
Ion Ratio Lower Upper
105 100
77 87.1 84.7 127.1
51 56.0 39.4 59.0

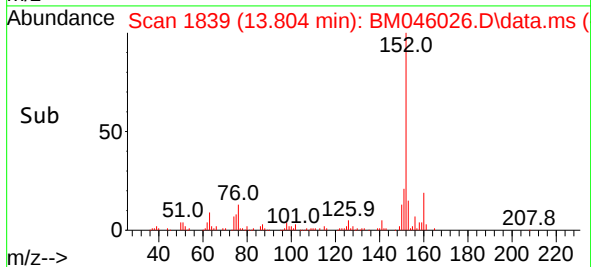
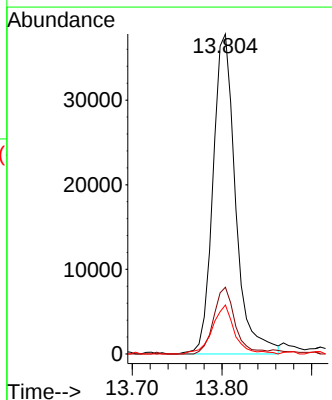
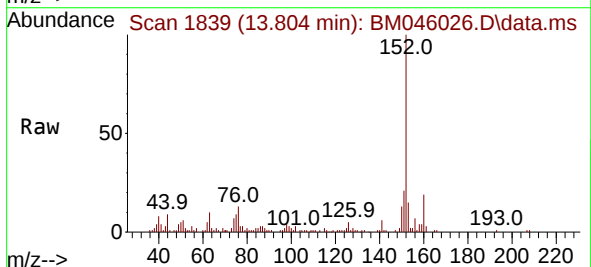
Manual Integrations
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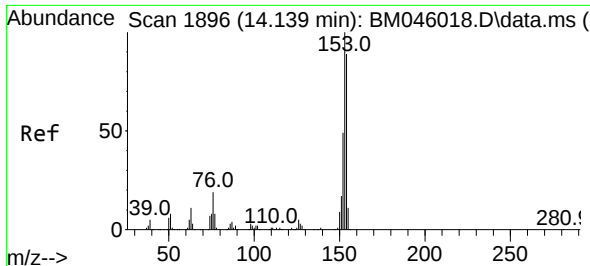
Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024



#50
Acenaphthylene
Concen: 2.407 ng/ul
RT: 13.804 min Scan# 1839
Delta R.T. 0.006 min
Lab File: BM046026.D
Acq: 13 Jun 2024 16:37

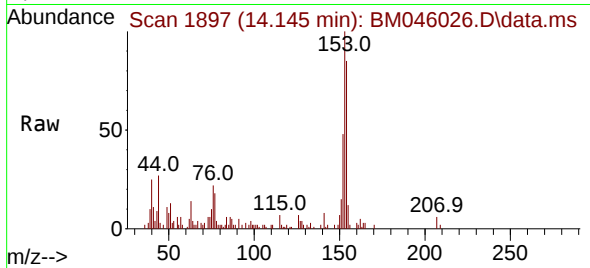
Tgt Ion:152 Resp: 66154
Ion Ratio Lower Upper
152 100
151 20.9 15.6 23.4
153 15.3 10.4 15.6





#52
Acenaphthene
Concen: 1.039 ng/u1
RT: 14.145 min Scan# 1896
Delta R.T. -0.000 min
Lab File: BM046026.D
Acq: 13 Jun 2024 16:37

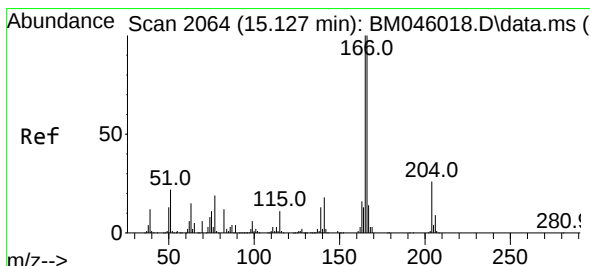
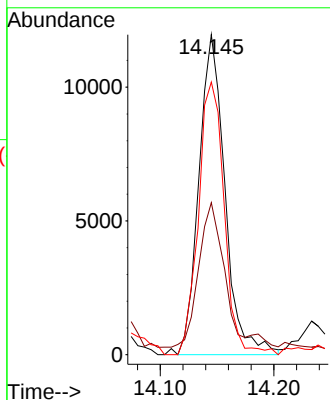
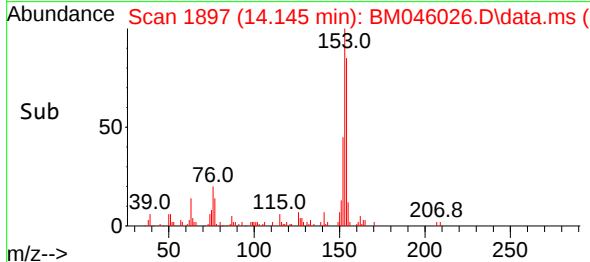
Instrument :
BNA_M
ClientSampleId :
BHBT8



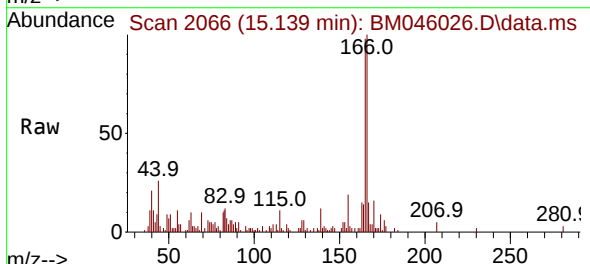
Tgt Ion:153 Resp: 1905
Ion Ratio Lower Upper
153 100
152 47.5 38.6 58.0
154 85.2 70.7 106.1

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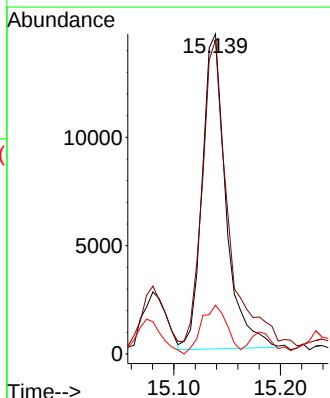
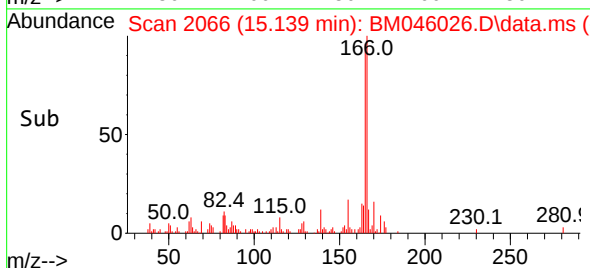
Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024

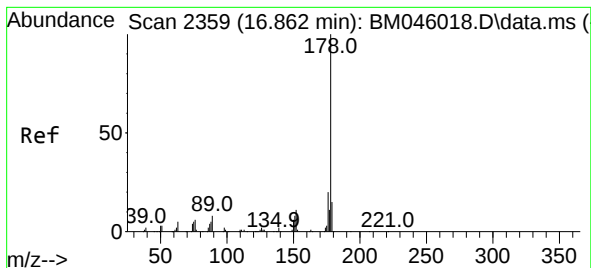


#61
Fluorene
Concen: 1.135 ng/u1
RT: 15.139 min Scan# 2066
Delta R.T. 0.006 min
Lab File: BM046026.D
Acq: 13 Jun 2024 16:37



Tgt Ion:166 Resp: 22622
Ion Ratio Lower Upper
166 100
165 98.1 78.1 117.1
167 15.2 10.6 16.0





#72

Phenanthrene

Concen: 18.319 ng/ul

RT: 16.868 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046026.D

Acq: 13 Jun 2024 16:37

Instrument :

BNA_M

ClientSampleId :

BHBT8

Tgt Ion:178 Resp: 57033

Ion Ratio Lower Upper

178 100

179 14.9 12.4 18.6

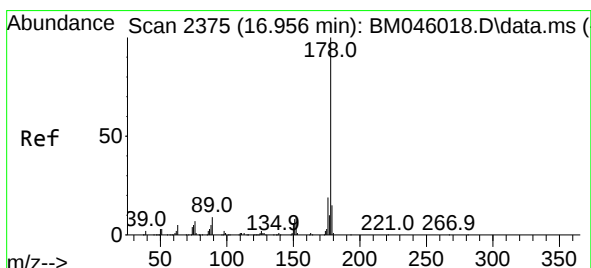
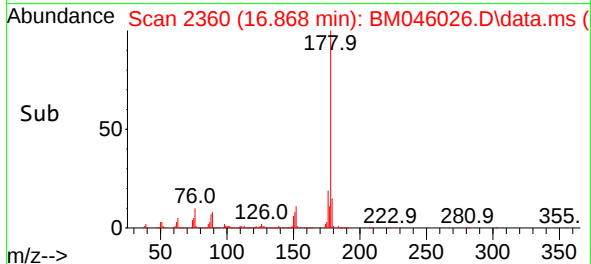
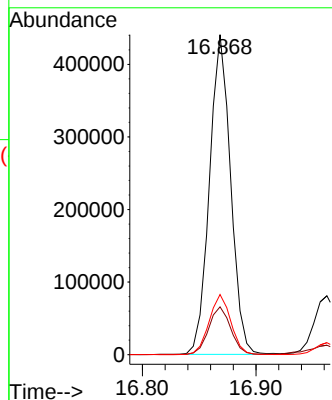
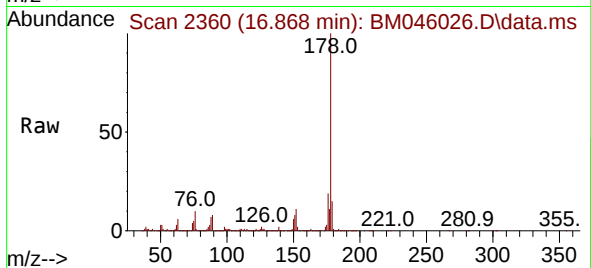
176 18.8 15.3 22.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/14/2024

Supervised By :mohammad ahmed 06/15/2024



#74

Anthracene

Concen: 3.820 ng/ul

RT: 16.962 min Scan# 2376

Delta R.T. -0.000 min

Lab File: BM046026.D

Acq: 13 Jun 2024 16:37

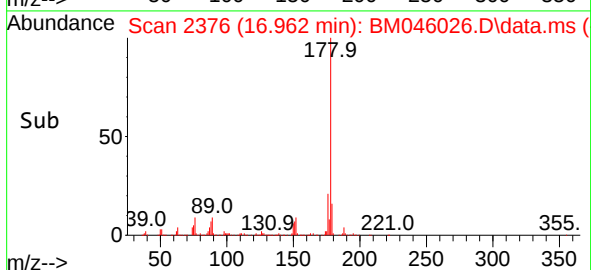
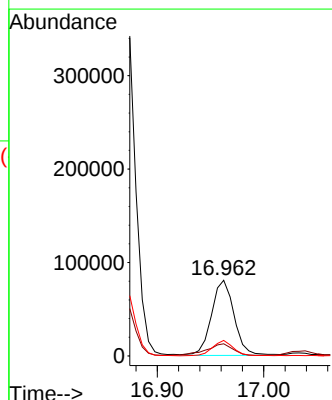
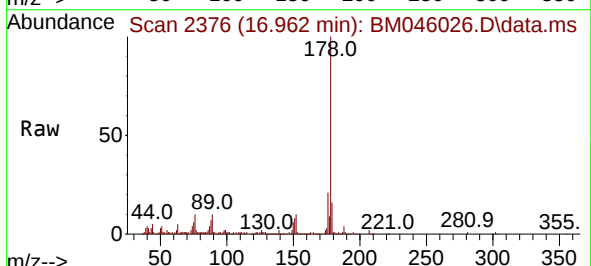
Tgt Ion:178 Resp: 118790

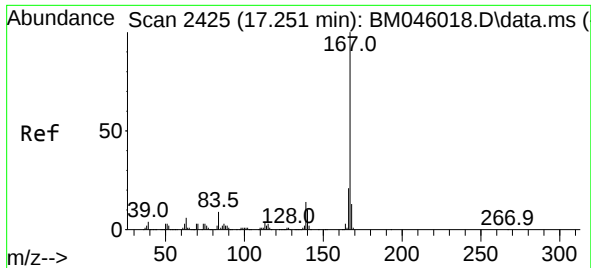
Ion Ratio Lower Upper

178 100

179 16.0 12.0 18.0

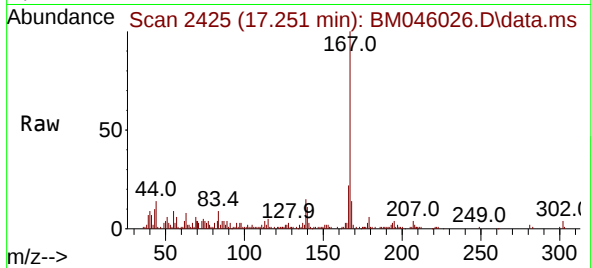
176 20.5 15.0 22.6





#77
 Carbazole
 Concen: 1.909 ng/ul
 RT: 17.251 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BM046026.D
 Acq: 13 Jun 2024 16:37

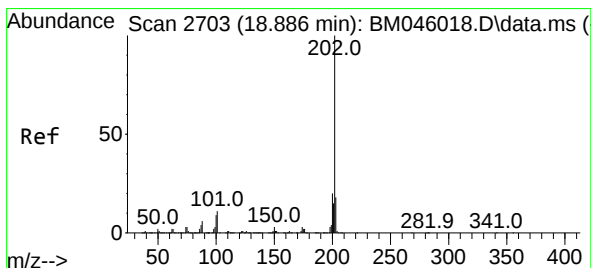
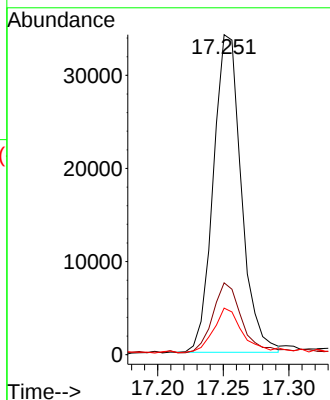
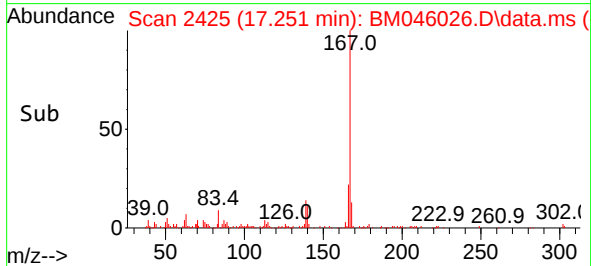
Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion:167 Resp: 50640
 Ion Ratio Lower Upper
 167 100
 166 22.5 16.6 24.8
 139 14.6 10.6 16.0

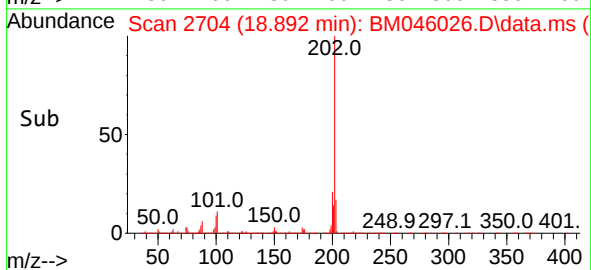
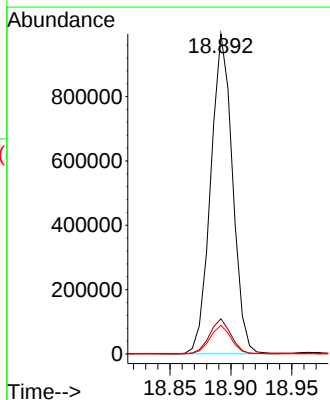
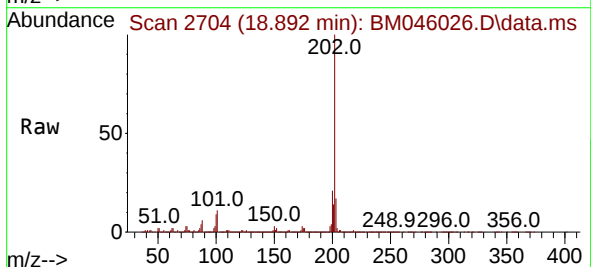
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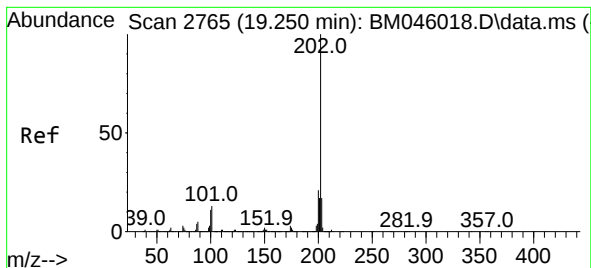
Reviewed By :Jagrut Upadhyay 06/14/2024
 Supervised By :mohammad ahmed 06/15/2024



#80
 Fluoranthene
 Concen: 29.475 ng/ul
 RT: 18.892 min Scan# 2704
 Delta R.T. -0.000 min
 Lab File: BM046026.D
 Acq: 13 Jun 2024 16:37

Tgt Ion:202 Resp: 1238516
 Ion Ratio Lower Upper
 202 100
 101 11.0 8.9 13.3
 100 9.0 6.6 10.0





#82

Pyrene

Concen: 22.715 ng/ul

RT: 19.256 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046026.D

Acq: 13 Jun 2024 16:37

Instrument :

BNA_M

ClientSampleId :

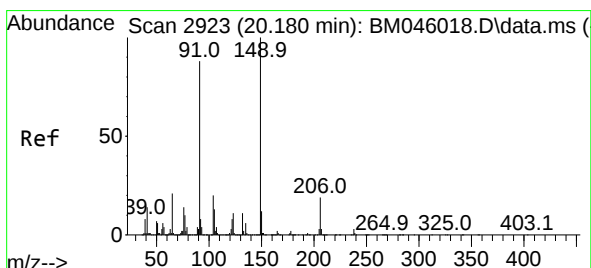
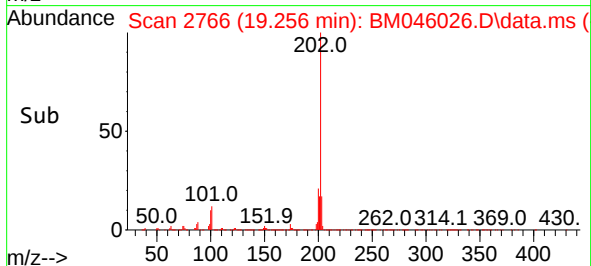
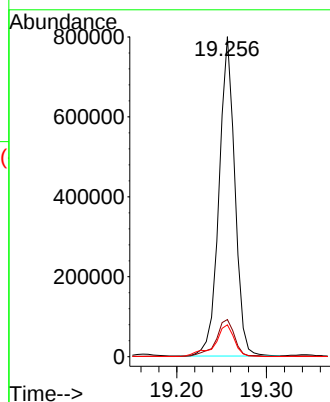
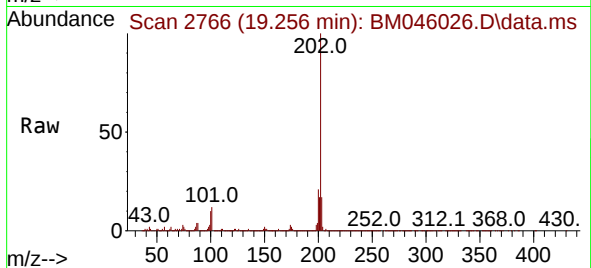
BHBT8

Tgt Ion:	202	Resp:	98063
Ion Ratio	Lower	Upper	
202	100		
101	11.6	10.5	15.7
100	9.9	8.6	12.8

Manual Integrations

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Supervised By :mohammad ahmed 06/15/2024



#83

Butylbenzylphthalate

Concen: 1.560 ng/ul

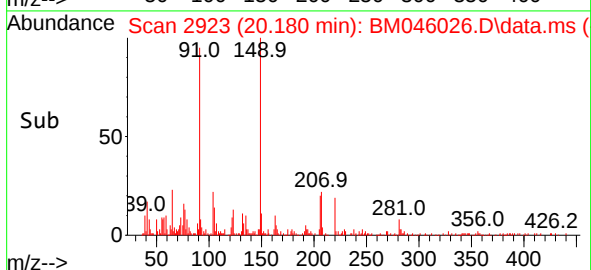
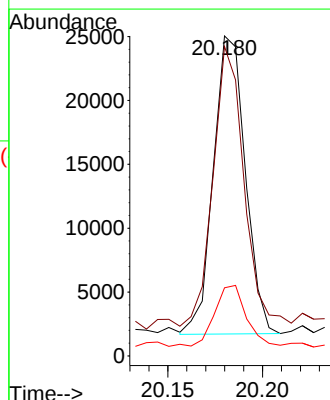
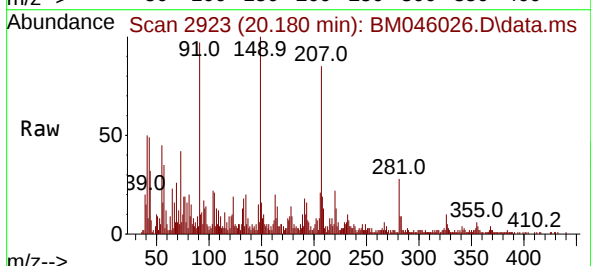
RT: 20.180 min Scan# 2923

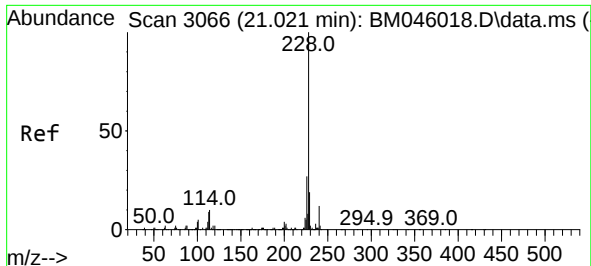
Delta R.T. -0.006 min

Lab File: BM046026.D

Acq: 13 Jun 2024 16:37

Tgt Ion:	149	Resp:	27448
Ion Ratio	Lower	Upper	
149	100		
91	96.7	63.7	95.5
206	21.3	15.9	23.9





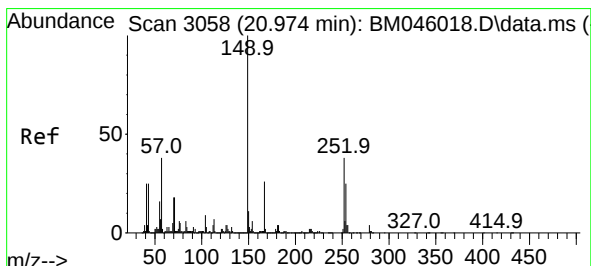
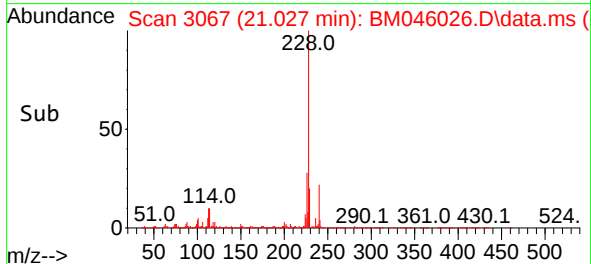
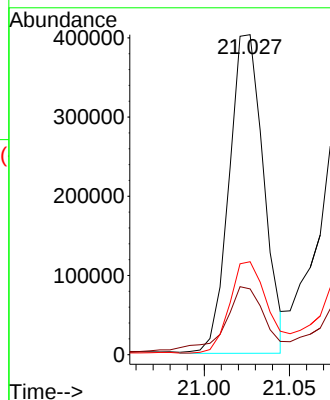
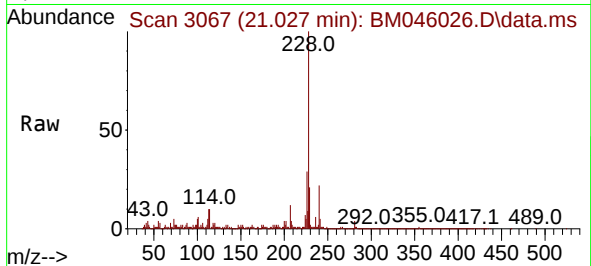
#85
Benzo(a)anthracene
Concen: 14.734 ng/ul
RT: 21.027 min Scan# 3066
Delta R.T. -0.000 min
Lab File: BM046026.D
Acq: 13 Jun 2024 16:37

Instrument :
BNA_M
ClientSampleId :
BHBT8

Tgt Ion:228 Resp: 567020
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.8
226 29.1 21.4 32.0

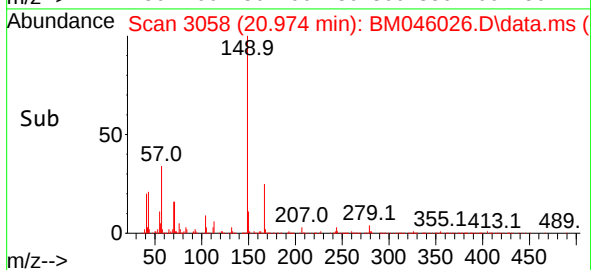
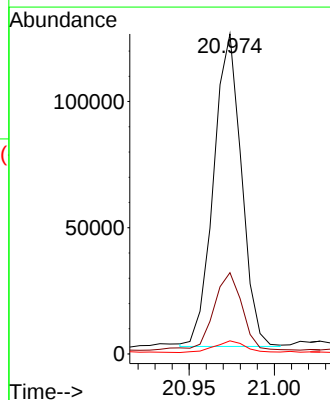
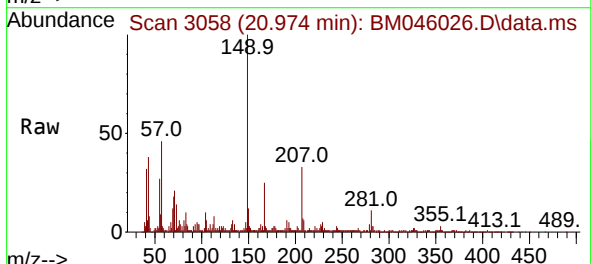
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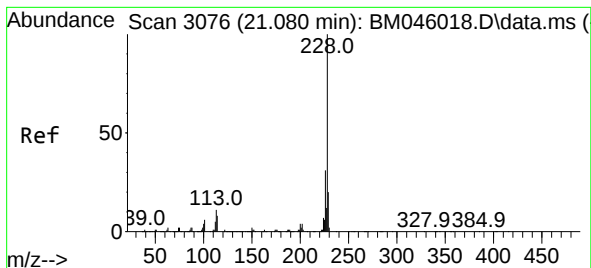
Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 5.387 ng/ul
RT: 20.974 min Scan# 3058
Delta R.T. -0.006 min
Lab File: BM046026.D
Acq: 13 Jun 2024 16:37

Tgt Ion:149 Resp: 140830
Ion Ratio Lower Upper
149 100
167 25.4 20.4 30.6
279 4.1 3.1 4.7





#87

Chrysene

Concen: 17.981 ng/ul

RT: 21.080 min Scan# 3076

Delta R.T. -0.006 min

Lab File: BM046026.D

Acq: 13 Jun 2024 16:37

Instrument :

BNA_M

ClientSampleId :

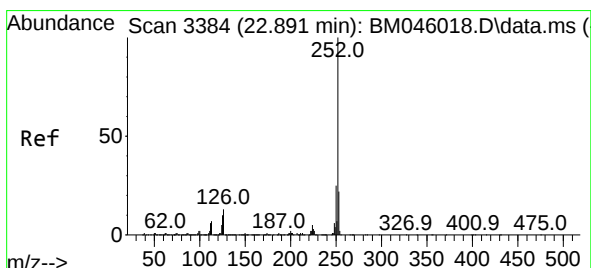
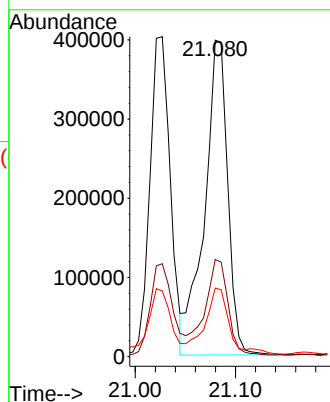
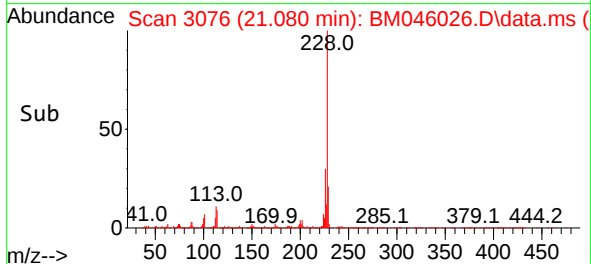
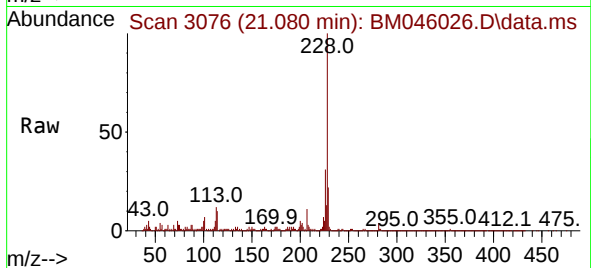
BHBT8

Tgt Ion:	228	Resp:	64014
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.2	36.2
229	21.7	15.2	22.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024



#90

Benzo(b)fluoranthene

Concen: 19.915 ng/ul

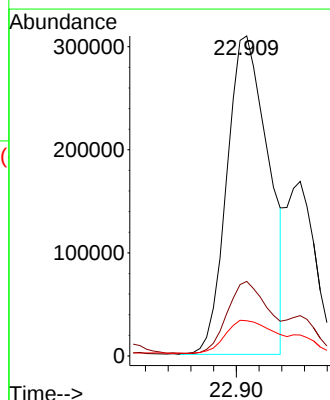
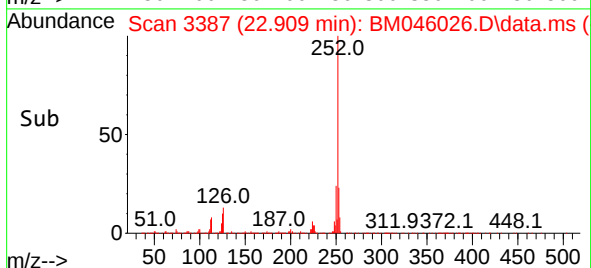
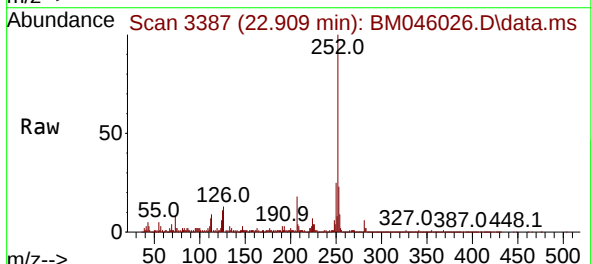
RT: 22.909 min Scan# 3387

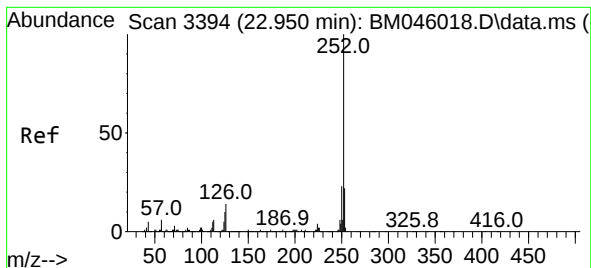
Delta R.T. 0.006 min

Lab File: BM046026.D

Acq: 13 Jun 2024 16:37

Tgt Ion:	252	Resp:	784360
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.6
125	11.0	8.4	12.6





#91

Benzo(k)fluoranthene

Concen: 7.803 ng/ul m

RT: 22.956 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM046026.D

Acq: 13 Jun 2024 16:37

Instrument :

BNA_M

ClientSampleId :

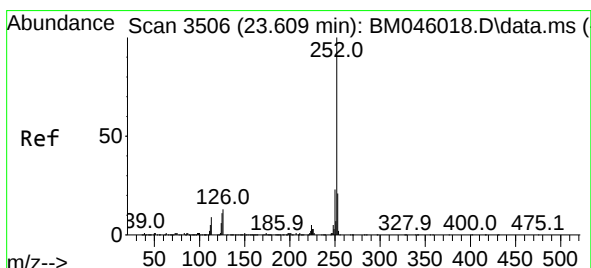
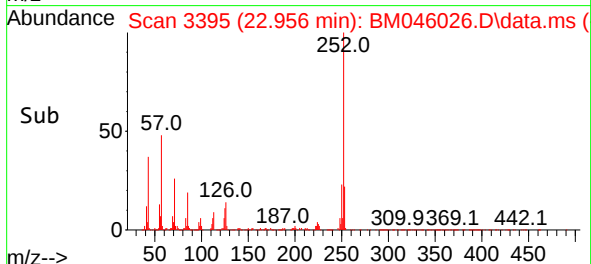
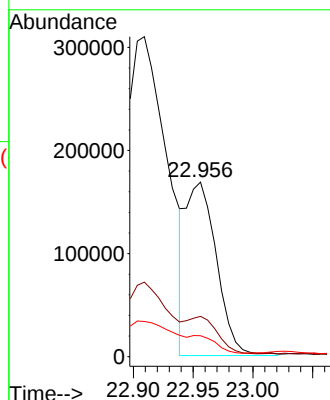
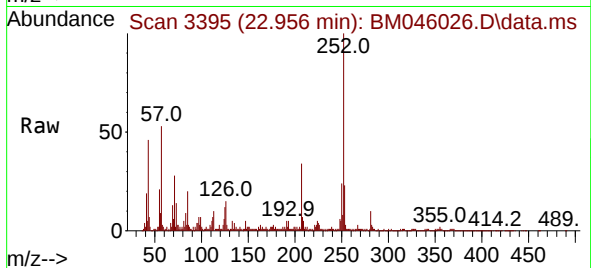
BHBT8

Tgt Ion:	252	Resp:	30015
Ion Ratio	Lower	Upper	
252	100		
253	23.1	16.8	25.2
125	12.0	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024



#93

Benzo(a)pyrene

Concen: 9.545 ng/ul

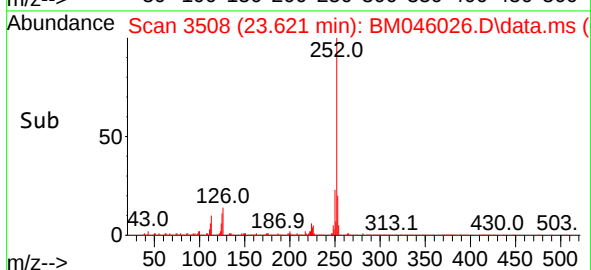
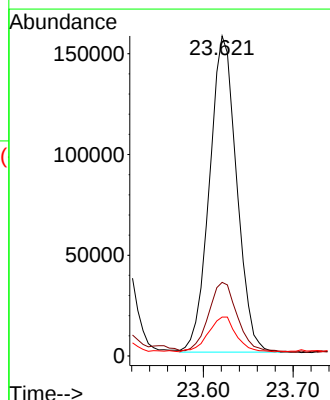
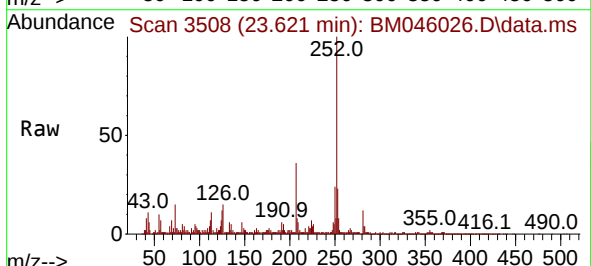
RT: 23.621 min Scan# 3508

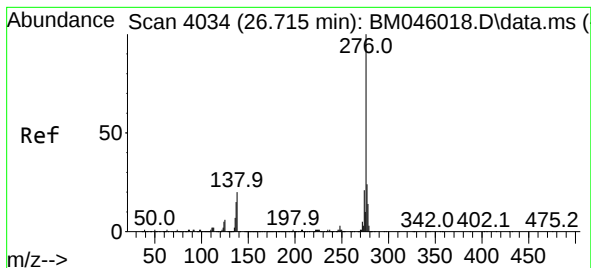
Delta R.T. -0.000 min

Lab File: BM046026.D

Acq: 13 Jun 2024 16:37

Tgt Ion:	252	Resp:	330356
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	12.2	9.3	13.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.999 ng/ul

RT: 26.732 min Scan# 4037

Delta R.T. 0.006 min

Lab File: BM046026.D

Acq: 13 Jun 2024 16:37

Instrument :

BNA_M

ClientSampleId :

BHBT8

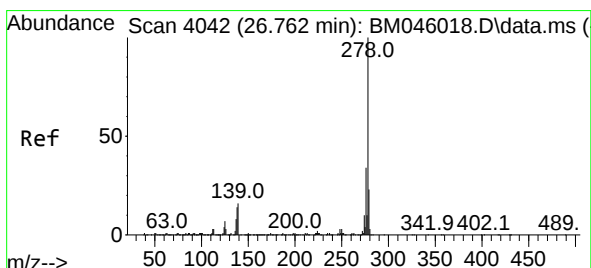
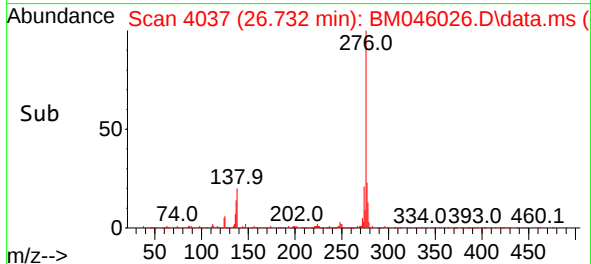
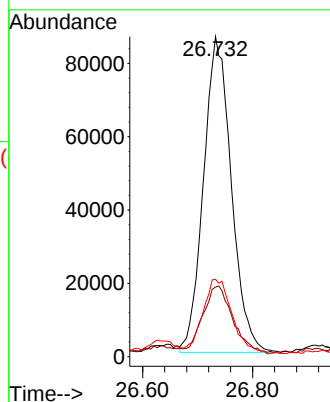
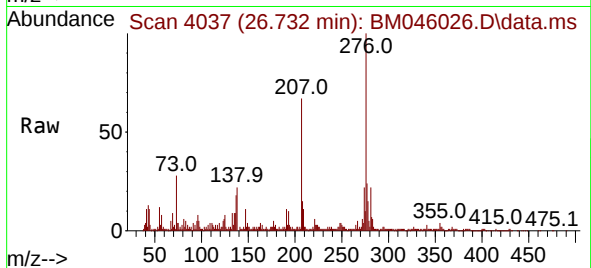
Tgt Ion:276 Resp: 302314

Ion	Ratio	Lower	Upper
276	100		
138	21.8	17.9	26.9
277	24.1	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024



#95

Dibenzo(a,h)anthracene

Concen: 3.379 ng/ul

RT: 26.768 min Scan# 4043

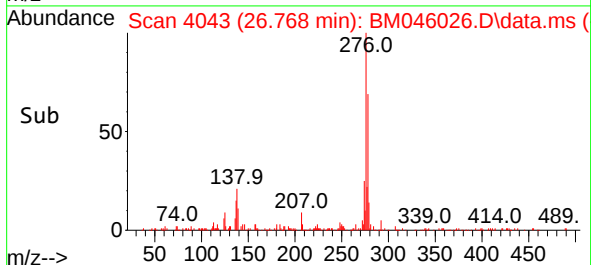
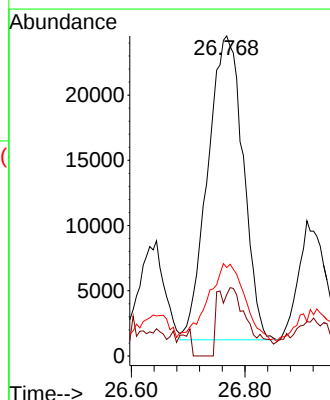
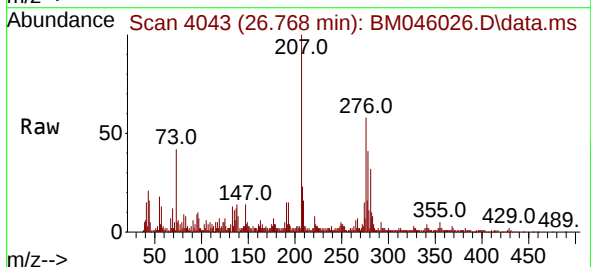
Delta R.T. -0.006 min

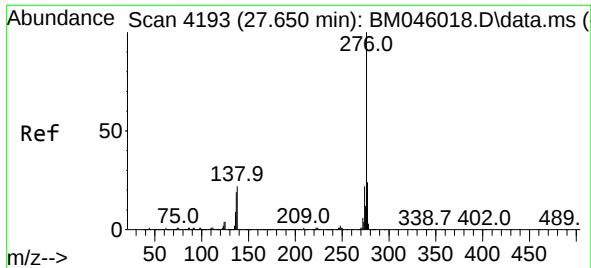
Lab File: BM046026.D

Acq: 13 Jun 2024 16:37

Tgt Ion:278 Resp: 101022

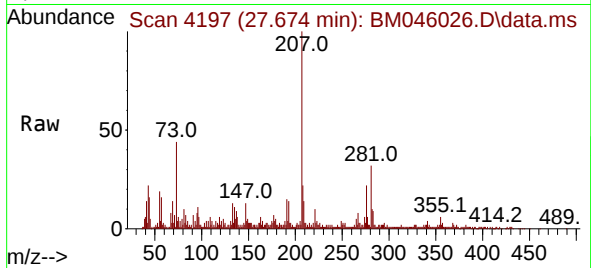
Ion	Ratio	Lower	Upper
278	100		
139	19.2	13.2	19.8
279	27.6	19.1	28.7





#96
Benzo(g,h,i)perylene
Concen: 1.454 ng/ul m
RT: 27.674 min Scan# 4197
Delta R.T. 0.018 min
Lab File: BM046026.D
Acq: 13 Jun 2024 16:37

Instrument :
BNA_M
ClientSampleId :
BHBT8



Tgt Ion:276 Resp: 4841
Ion Ratio Lower Upper
276 100
138 28.6 18.6 27.8
277 25.5 18.7 28.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024

