

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046006.D
 Acq On : 12 Jun 2024 21:18
 Operator : MA/JU
 Sample : P2659-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHC26

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024

Quant Time: Jun 13 04:19:09 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	162947	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	689487	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.080	164	434633	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.821	188	905311	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	715283	20.000	ng/u1	0.00
88) Perylene-d12	23.744	264	688425	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	12490	2.972	ng/uL	0.00
4) Pyridine-d5	3.463	84	66384	6.134	ng/u1	0.01
7) Phenol-d5	6.692	99	300827	21.732	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.798	67	209157	21.042	ng/u1	0.00
11) 2-Chlorophenol-d4	6.998	132	235185	22.745	ng/u1	0.00
15) 4-Methylphenol-d8	8.204	113	214079	20.470	ng/u1	0.00
21) Nitrobenzene-d5	8.598	128	118679	22.015	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	127828	23.429	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	223477	21.843	ng/u1	0.00
31) 4-Chloroaniline-d4	10.398	131	112240	7.927	ng/u1	0.01
46) Dimethylphthalate-d6	13.527	166	684429	22.746	ng/u1	0.00
49) Acenaphthylene-d8	13.768	160	792820	22.690	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	88341	13.604	ng/u1	0.00
60) Fluorene-d10	15.080	176	594241	23.150	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.221	200	57999	12.546	ng/u1	0.00
73) Anthracene-d10	16.921	188	912287	23.180	ng/u1	0.00
81) Pyrene-d10	19.227	212	956782	21.509	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.556	264	536350	16.670	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.286	105	24866	1.427	ng/u1	91
30) Naphthalene	10.251	128	42356	1.152	ng/u1	95
37) 1-Methylnaphthalene	12.098	142	28726	1.180	ng/u1#	98
50) Acenaphthylene	13.798	152	419554	10.375	ng/u1	99
52) Acenaphthene	14.145	153	48955	1.814	ng/u1	95
56) Dibenzofuran	14.486	168	47838	1.315	ng/u1	99
61) Fluorene	15.133	166	115859	3.951	ng/u1#	97
72) Phenanthrene	16.868	178	3148482	66.003	ng/u1	99
74) Anthracene	16.956	178	544315	11.424	ng/u1	99
77) Carbazole	17.245	167	235991	5.805	ng/u1	98
80) Fluoranthene	18.898	202	7014147	130.070	ng/u1	99
82) Pyrene	19.256	202	5137945	92.734	ng/u1	100
83) Butylbenzylphthalate	20.180	149	33815	1.498	ng/u1	95
85) Benzo(a)anthracene	21.027	228	2630842	53.268	ng/u1	94
86) Bis(2-ethylhexyl)phtha...	20.974	149	112194	3.344	ng/u1	97
87) Chrysene	21.080	228	2710460	59.324	ng/u1	97
90) Benzo(b)fluoranthene	22.909	252	3098590	73.241	ng/u1	99
91) Benzo(k)fluoranthene	22.956	252	1115883m	27.004	ng/u1	
93) Benzo(a)pyrene	23.615	252	1315691	35.390	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.732	276	1139406	28.065	ng/u1	98
95) Dibenzo(a,h)anthracene	26.756	278	367429	11.443	ng/u1#	93
96) Benzo(g,h,i)perylene	27.650	276	157614m	4.408	ng/u1	

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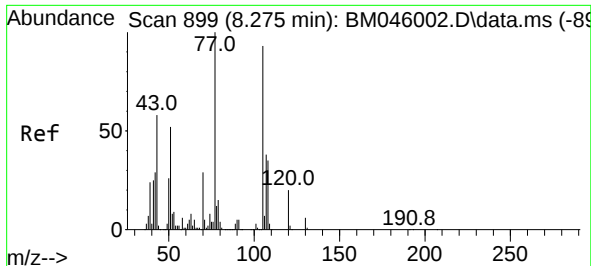
Manual Integrations
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Supervised By :mohammad ahmed 06/15/2024

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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

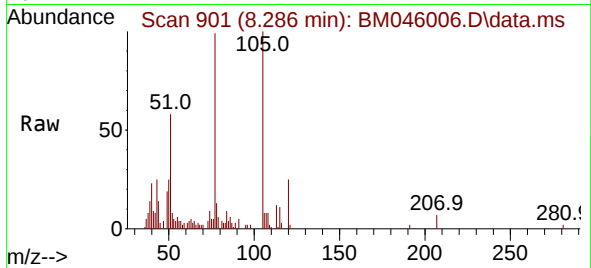
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#16
Acetophenone
Concen: 1.427 ng/ul
RT: 8.286 min Scan# 901
Delta R.T. 0.012 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

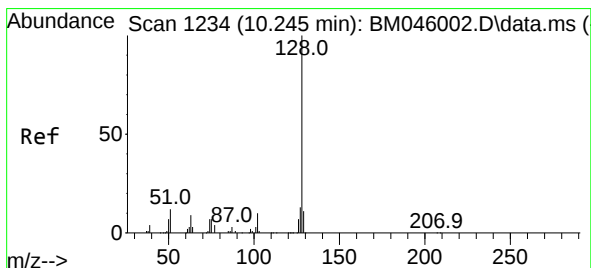
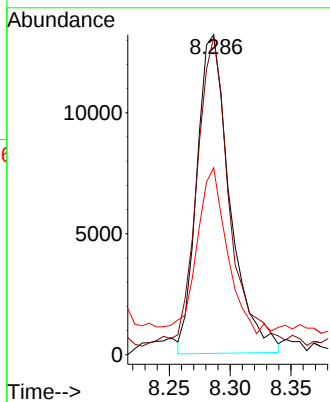
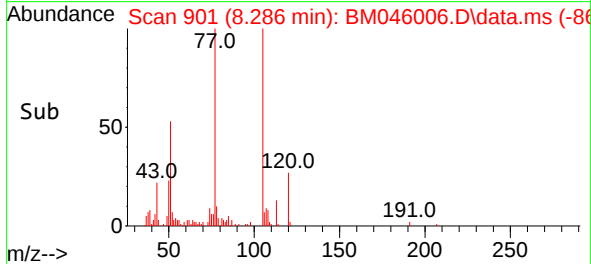
Instrument :
BNA_M
ClientSampleId :
BHC26



Tgt Ion:105 Resp: 2486
Ion Ratio Lower Upper
105 100
77 99.3 84.7 127.1
51 58.4 39.4 59.0

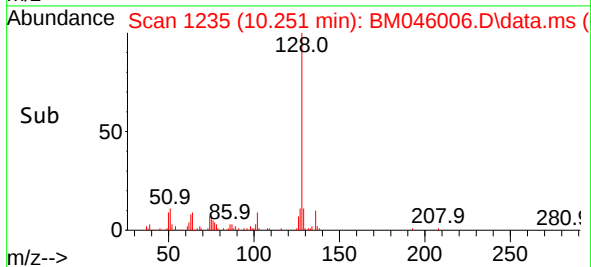
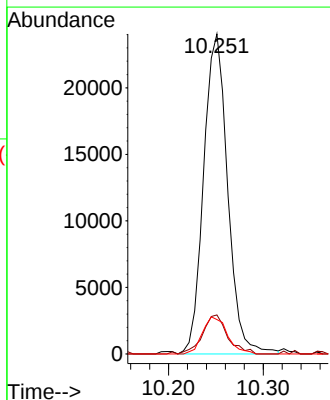
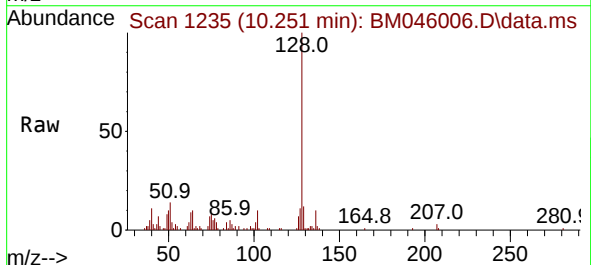
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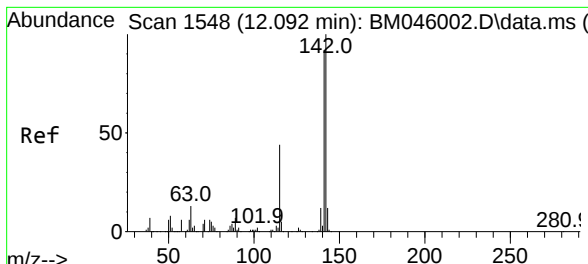
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#30
Naphthalene
Concen: 1.152 ng/ul
RT: 10.251 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

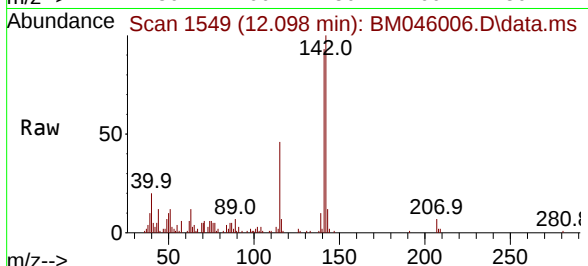
Tgt Ion:128 Resp: 42356
Ion Ratio Lower Upper
128 100
129 12.2 8.3 12.5
127 10.8 10.3 15.5





#37
1-Methylnaphthalene
Concen: 1.180 ng/ul
RT: 12.098 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

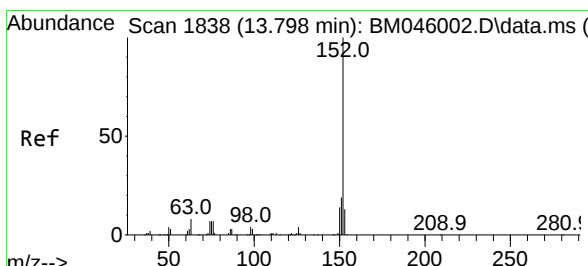
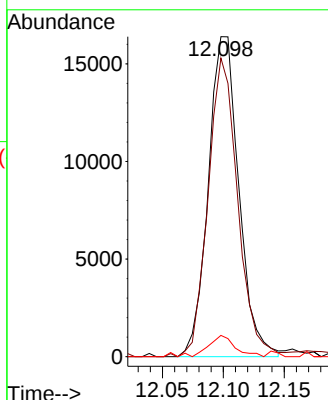
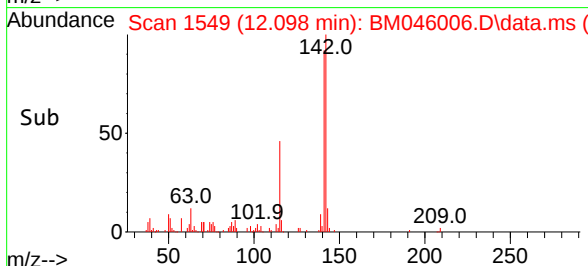
Instrument :
BNA_M
ClientSampleId :
BHC26



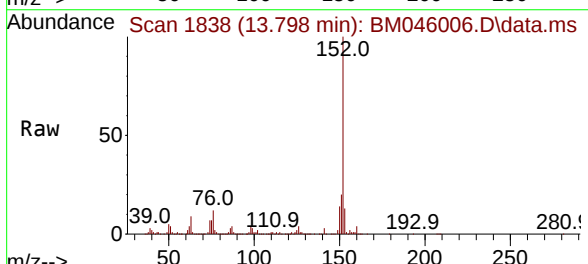
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Ion Ratio Lower Upper
142 100
141 93.3 73.5 110.3
116 6.7 3.3 4.9

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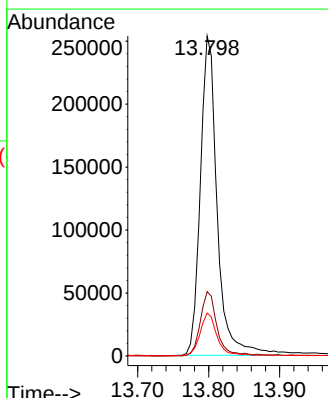
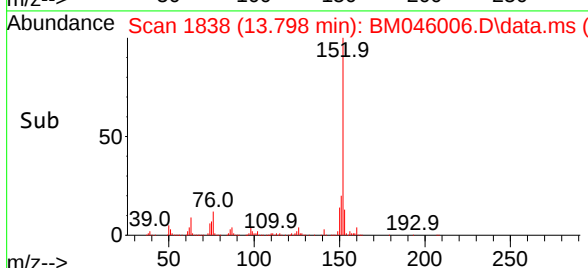
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

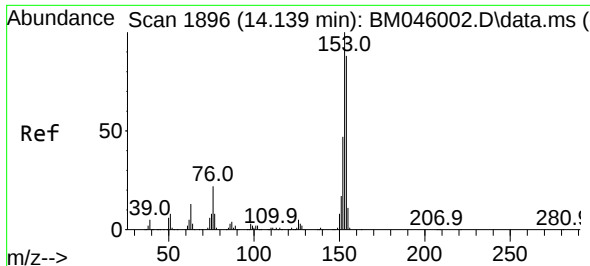


#50
Acenaphthylene
Concen: 10.375 ng/ul
RT: 13.798 min Scan# 1838
Delta R.T. -0.000 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18



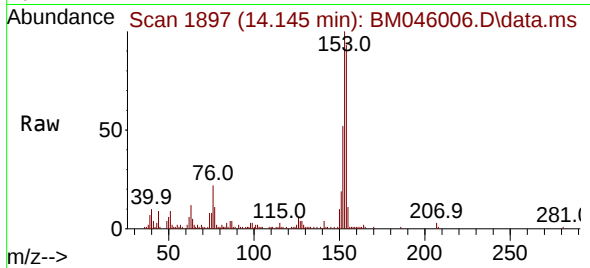
Tgt Ion:152 Resp: 419554
Ion Ratio Lower Upper
152 100
151 20.1 15.6 23.4
153 13.4 10.4 15.6





#52
Acenaphthene
Concen: 1.814 ng/ul
RT: 14.145 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

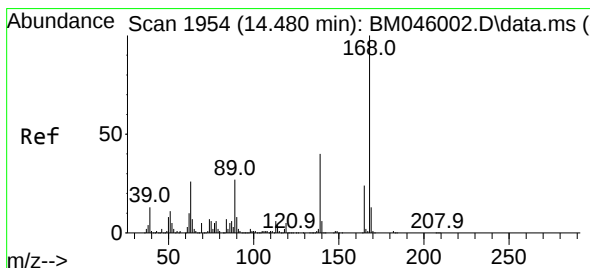
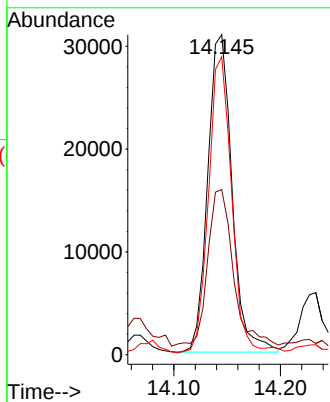
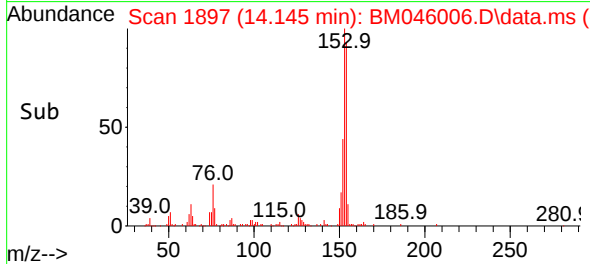
Instrument :
BNA_M
ClientSampleId :
BHC26



Tgt Ion:153 Resp: 4895
Ion Ratio Lower Upper
153 100
152 51.6 38.6 58.0
154 93.1 70.7 106.1

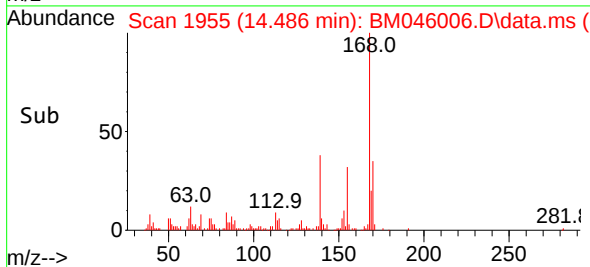
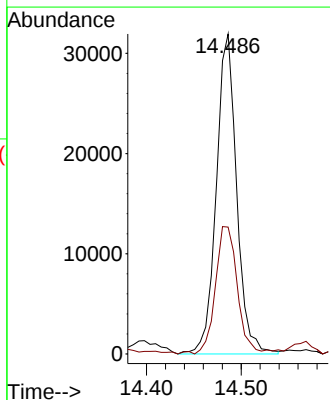
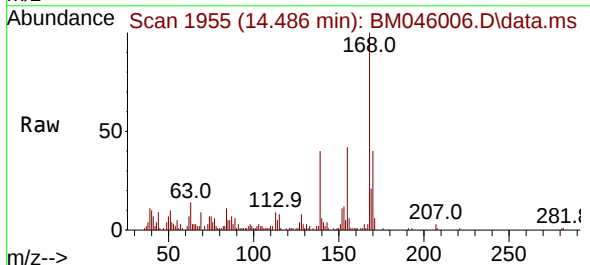
Manual Integrations
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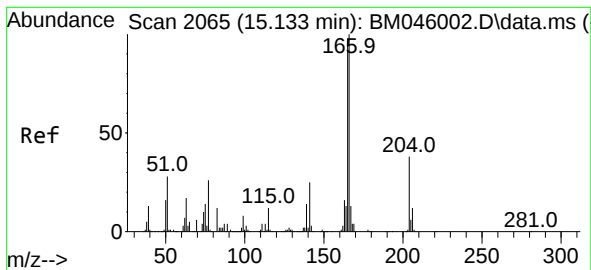
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#56
Dibenzofuran
Concen: 1.315 ng/ul
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

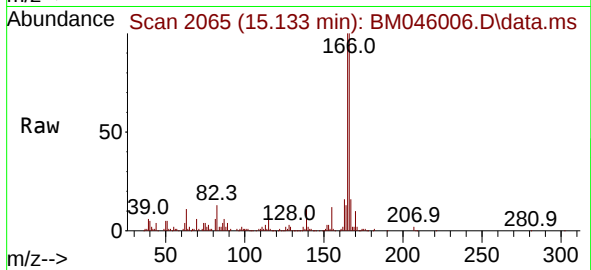
Tgt Ion:168 Resp: 47838
Ion Ratio Lower Upper
168 100
139 39.6 32.2 48.2





#61
Fluorene
Concen: 3.951 ng/ul
RT: 15.133 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

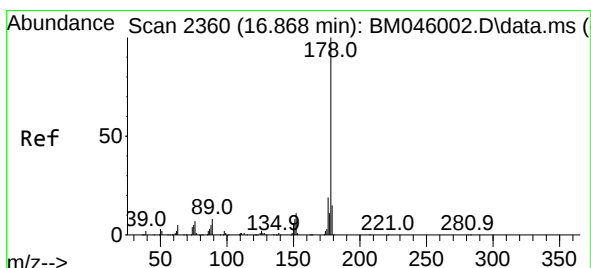
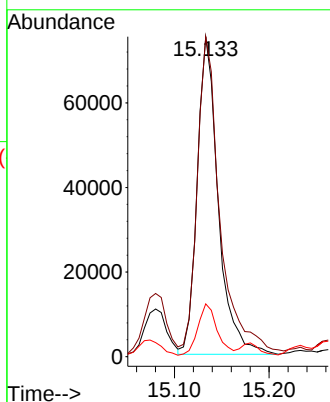
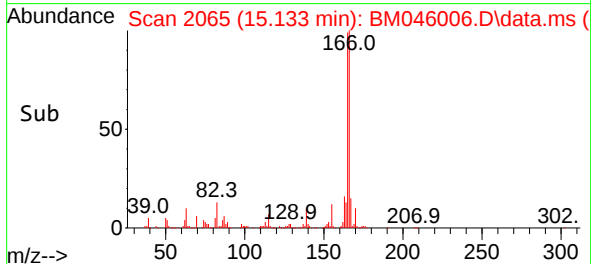
Instrument :
BNA_M
ClientSampleId :
BHC26



Tgt Ion:166 Resp: 115859
Ion Ratio Lower Upper
166 100
165 100.2 78.1 117.1
167 16.5 10.6 16.0

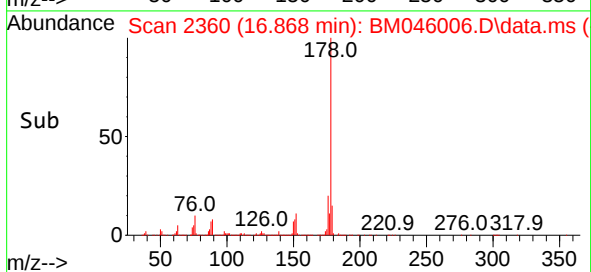
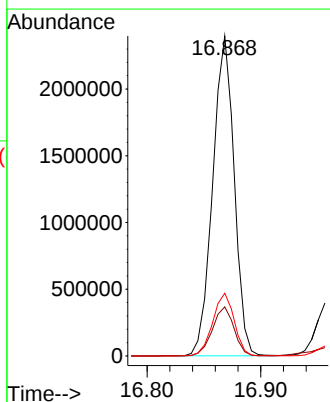
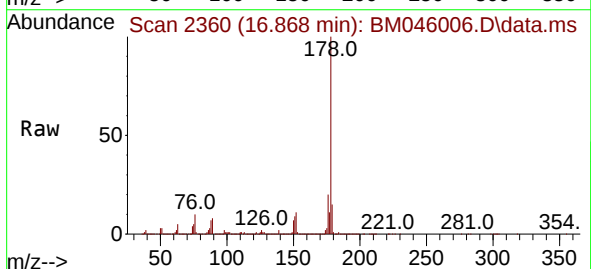
Manual Integrations
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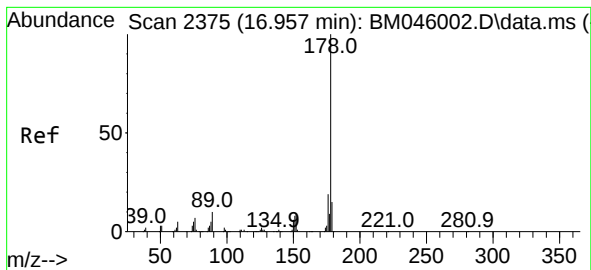
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#72
Phenanthrene
Concen: 66.003 ng/ul
RT: 16.868 min Scan# 2360
Delta R.T. -0.000 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

Tgt Ion:178 Resp: 3148482
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 19.6 15.3 22.9





#74

Anthracene

Concen: 11.424 ng/ul

RT: 16.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_M

ClientSampleId :

BHC26

Tgt Ion:178 Resp: 54431

Ion Ratio Lower Upper

178 100

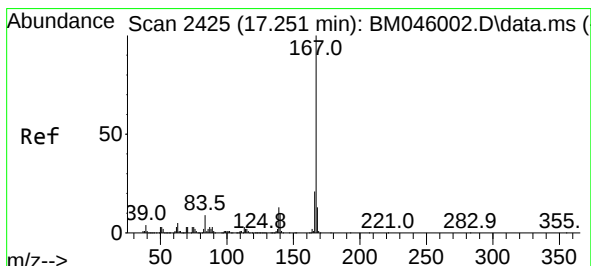
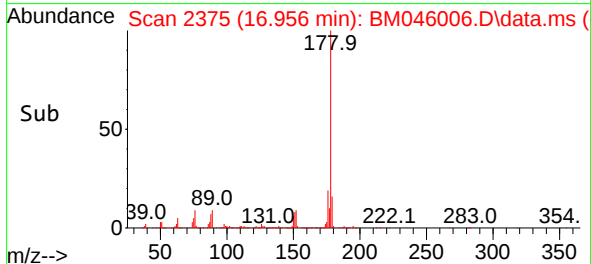
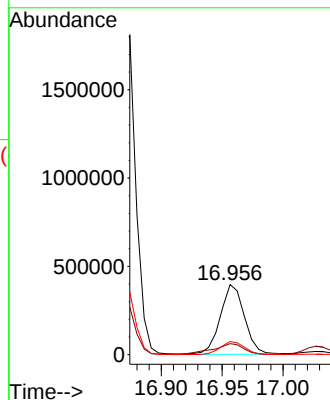
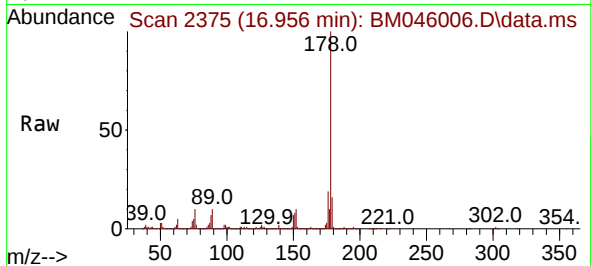
179 15.8 12.0 18.0

176 18.7 15.0 22.6

Manual Integrations

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Supervised By :mohammad ahmed 06/15/2024



#77

Carbazole

Concen: 5.805 ng/ul

RT: 17.245 min Scan# 2424

Delta R.T. -0.012 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

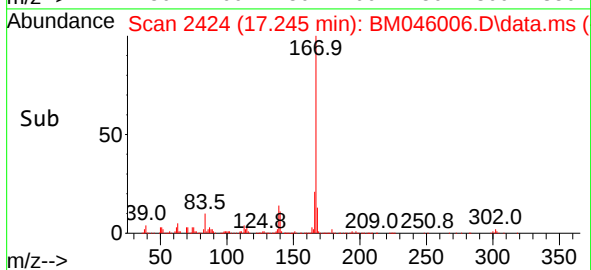
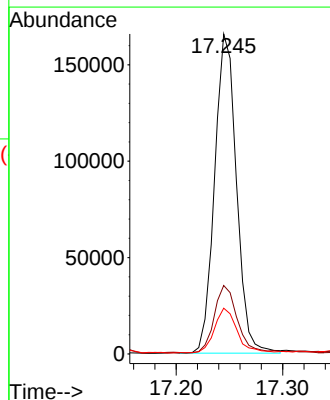
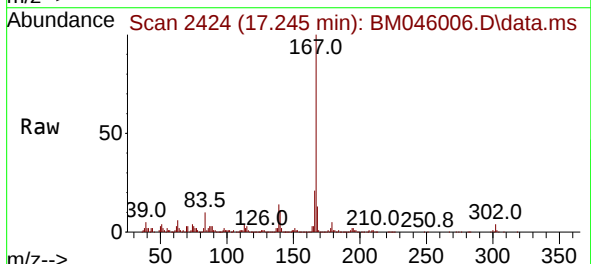
Tgt Ion:167 Resp: 235991

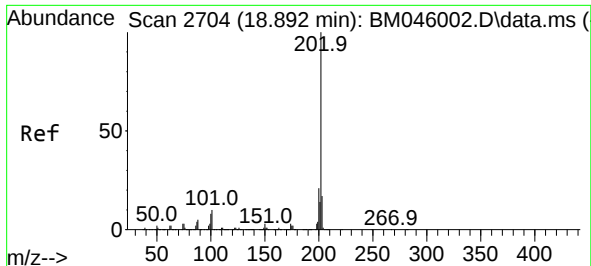
Ion Ratio Lower Upper

167 100

166 21.4 16.6 24.8

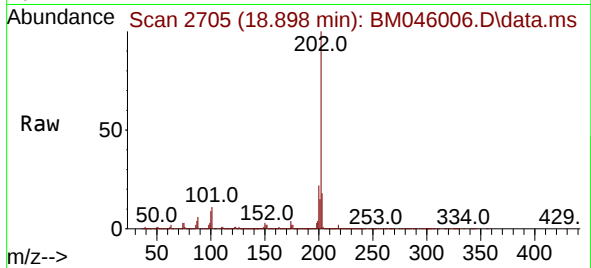
139 14.3 10.6 16.0





#80
Fluoranthene
Concen: 130.070 ng/u1
RT: 18.898 min Scan# 2704
Delta R.T. 0.006 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

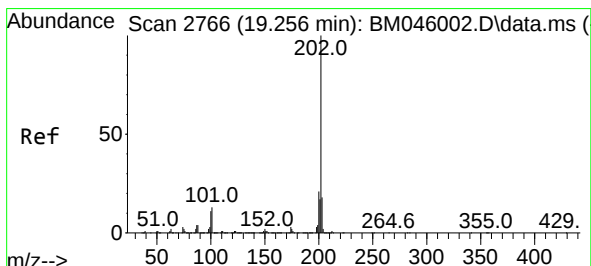
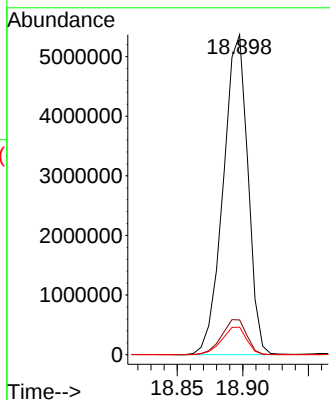
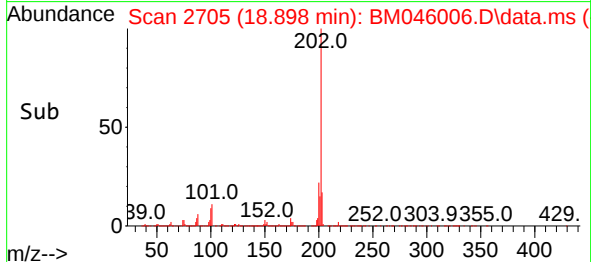
Instrument :
BNA_M
ClientSampleId :
BHC26



Tgt Ion:202 Resp: 701414
Ion Ratio Lower Upper
202 100
101 10.9 8.9 13.3
100 8.6 6.6 10.0

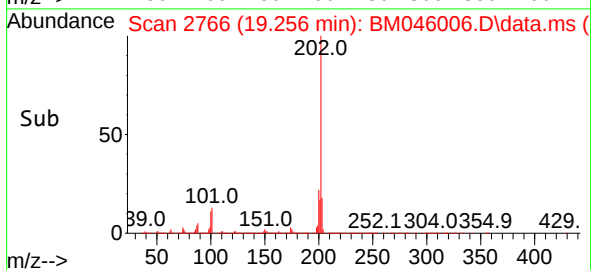
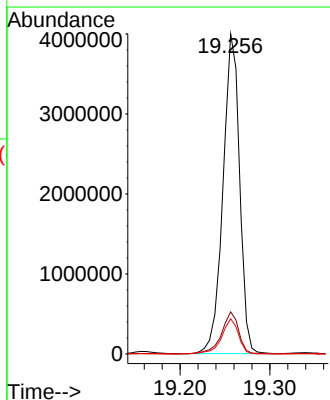
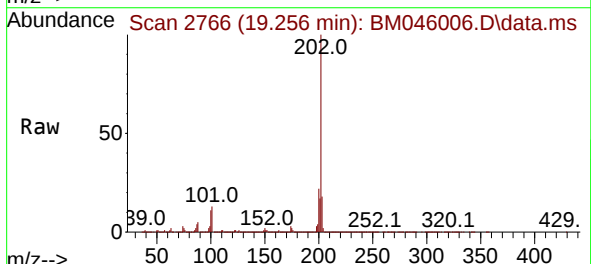
Manual Integrations
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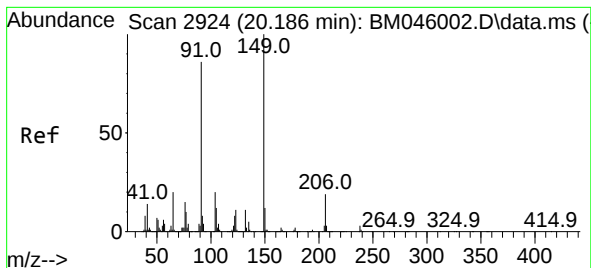
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#82
Pyrene
Concen: 92.734 ng/u1
RT: 19.256 min Scan# 2766
Delta R.T. -0.000 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

Tgt Ion:202 Resp: 5137945
Ion Ratio Lower Upper
202 100
101 13.1 10.5 15.7
100 11.0 8.6 12.8





#83

Butylbenzylphthalate

Concen: 1.498 ng/ul

RT: 20.180 min Scan# 2924

Delta R.T. -0.006 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_M

ClientSampleId :

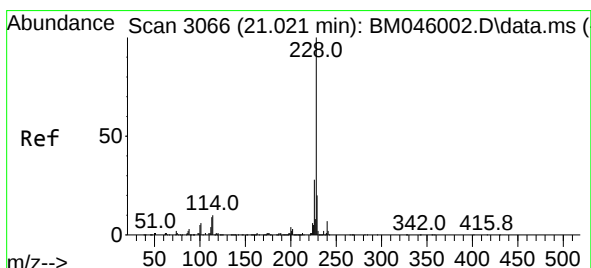
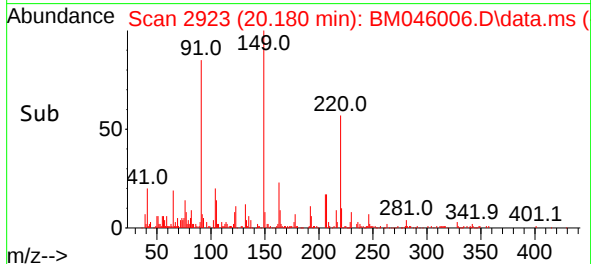
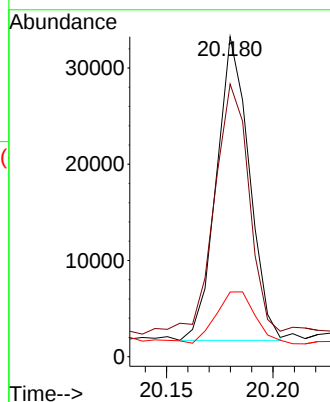
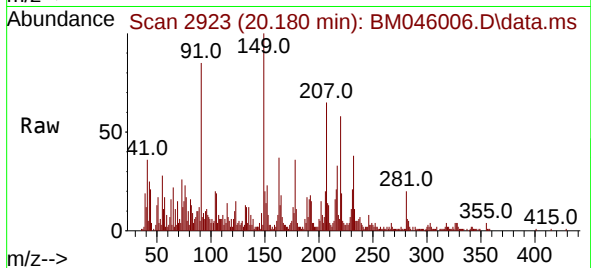
BHC26

Tgt Ion:	149	Resp:	3381
Ion Ratio	Lower	Upper	
149	100		
91	85.2	63.7	95.5
206	20.2	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#85

Benzo(a)anthracene

Concen: 53.268 ng/ul

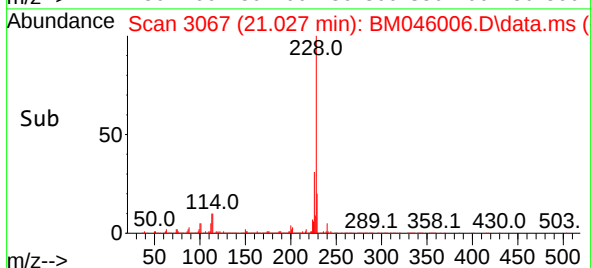
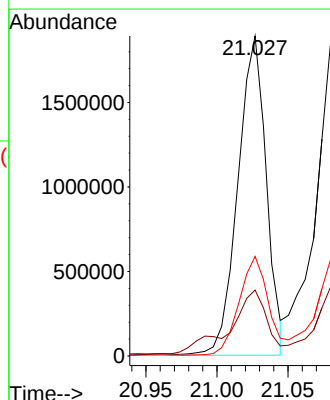
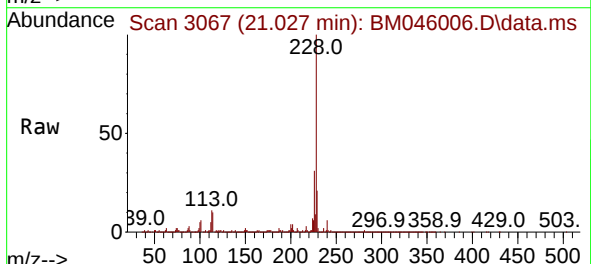
RT: 21.027 min Scan# 3067

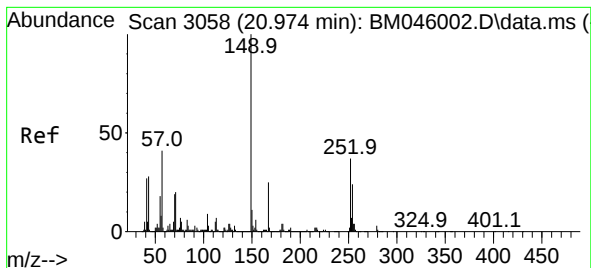
Delta R.T. -0.000 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Tgt Ion:	228	Resp:	2630842
Ion Ratio	Lower	Upper	
228	100		
229	20.6	15.8	23.8
226	31.1	21.4	32.0





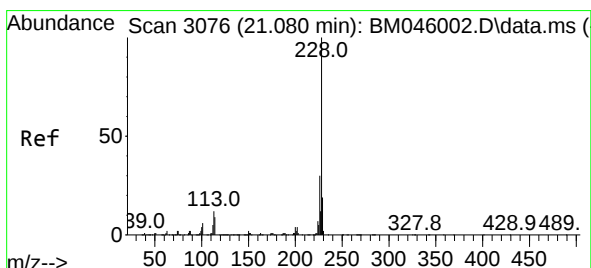
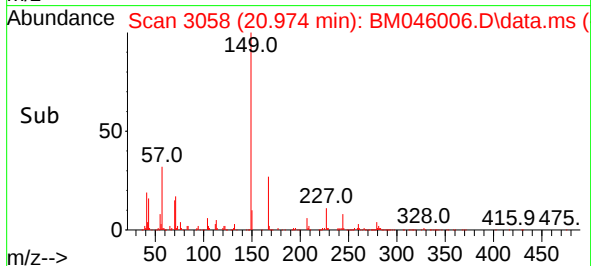
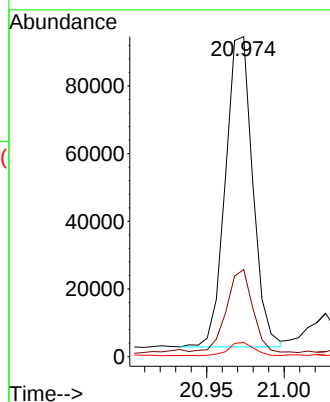
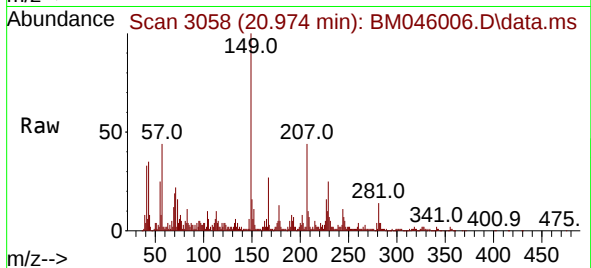
#86
Bis(2-ethylhexyl)phthalate
Concen: 3.344 ng/ul
RT: 20.974 min Scan# 3058
Delta R.T. -0.006 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

Instrument :
BNA_M
ClientSampleId :
BHC26

Tgt Ion:149 Resp: 112194
Ion Ratio Lower Upper
149 100
167 27.2 20.4 30.6
279 4.4 3.1 4.7

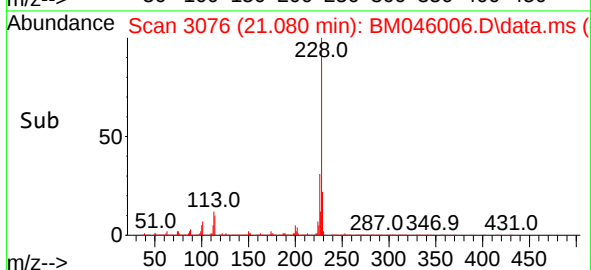
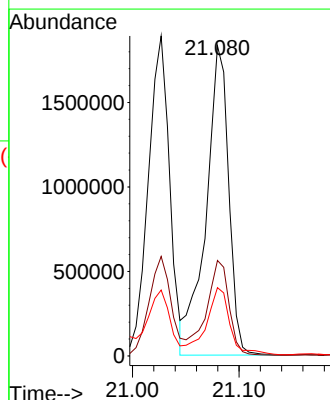
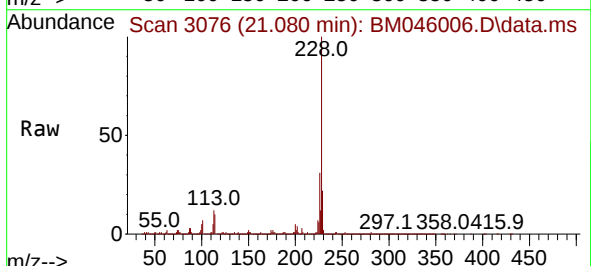
Manual Integrations
APPROVED

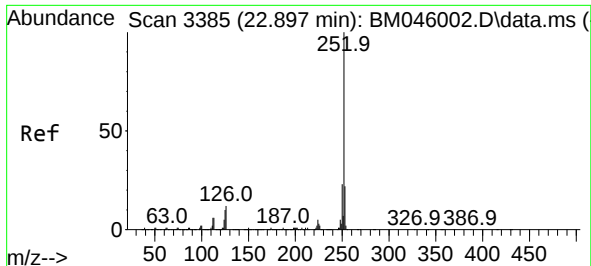
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#87
Chrysene
Concen: 59.324 ng/ul
RT: 21.080 min Scan# 3076
Delta R.T. -0.006 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

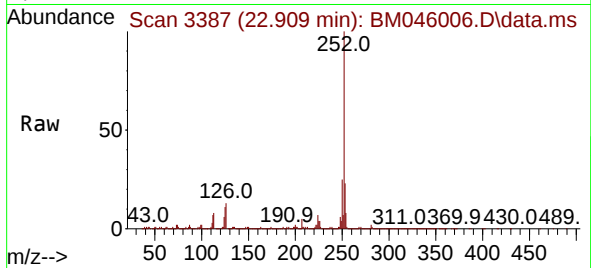
Tgt Ion:228 Resp: 2710460
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.2
229 22.1 15.2 22.8





#90
Benzo(b)fluoranthene
Concen: 73.241 ng/ul
RT: 22.909 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

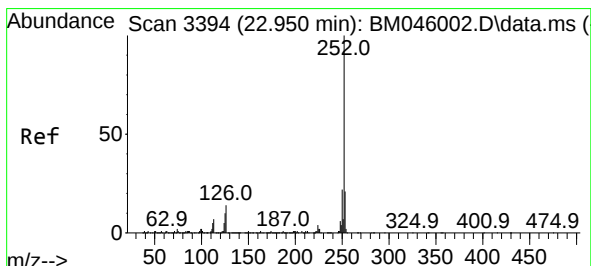
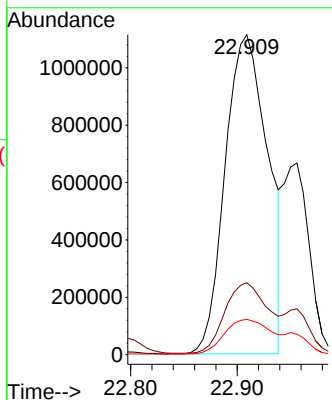
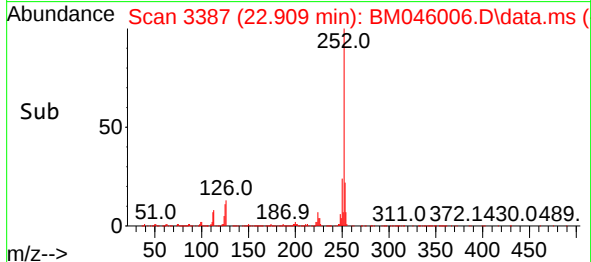
Instrument :
BNA_M
ClientSampleId :
BHC26



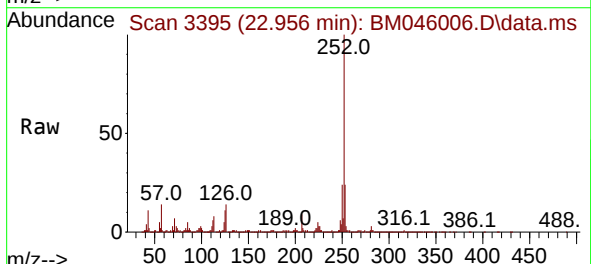
Tgt Ion:252 Resp: 3098590
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.1 8.4 12.6

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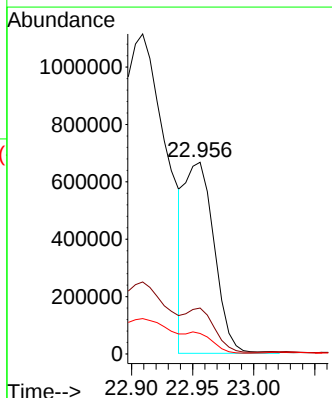
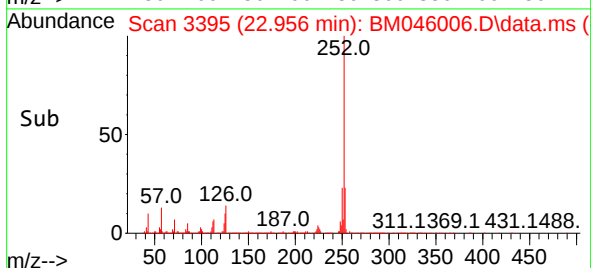
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

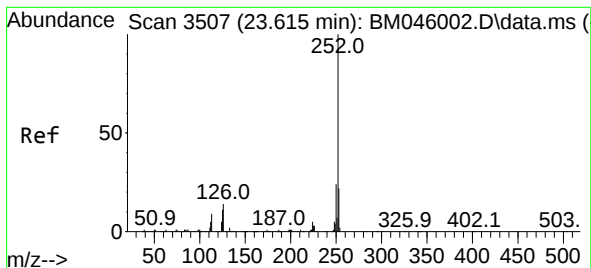


#91
Benzo(k)fluoranthene
Concen: 27.004 ng/ul m
RT: 22.956 min Scan# 3395
Delta R.T. -0.000 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18



Tgt Ion:252 Resp: 1115883
Ion Ratio Lower Upper
252 100
253 24.0 16.8 25.2
125 10.7 8.2 12.4





#93

Benzo(a)pyrene

Concen: 35.390 ng/ul

RT: 23.615 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_M

ClientSampleId :

BHC26

Tgt Ion:252 Resp: 131569

Ion Ratio Lower Upper

252 100

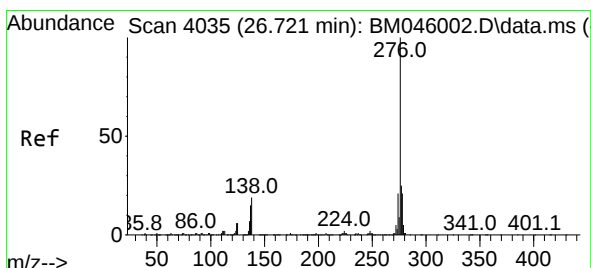
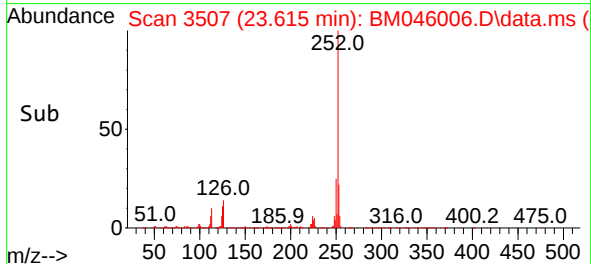
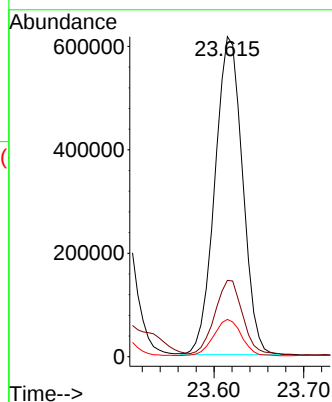
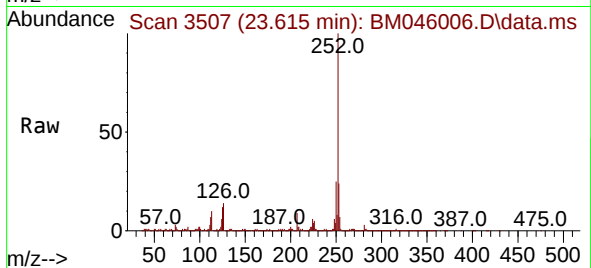
253 23.9 17.5 26.3

125 11.7 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 28.065 ng/ul

RT: 26.732 min Scan# 4037

Delta R.T. 0.006 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

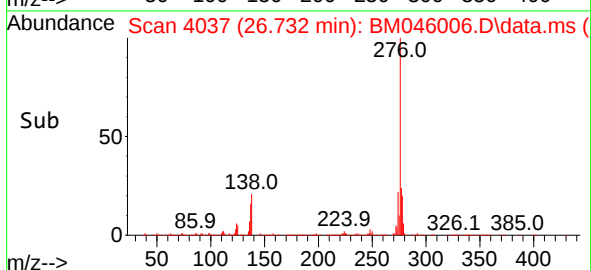
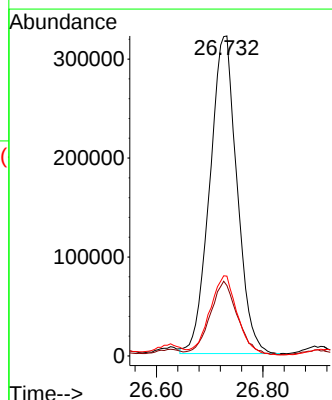
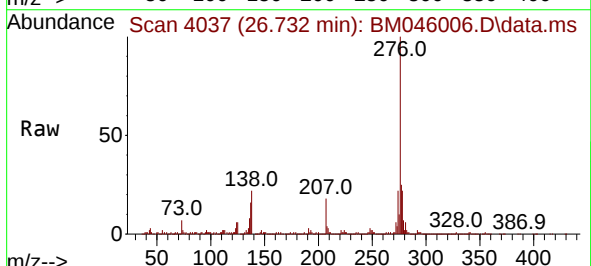
Tgt Ion:276 Resp: 1139406

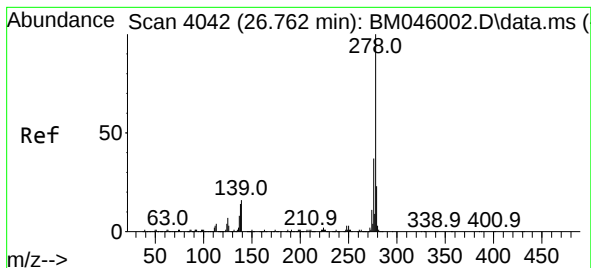
Ion Ratio Lower Upper

276 100

138 22.0 17.9 26.9

277 25.0 19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 11.443 ng/ul

RT: 26.756 min Scan# 4042

Delta R.T. -0.018 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_M

ClientSampleId :

BHC26

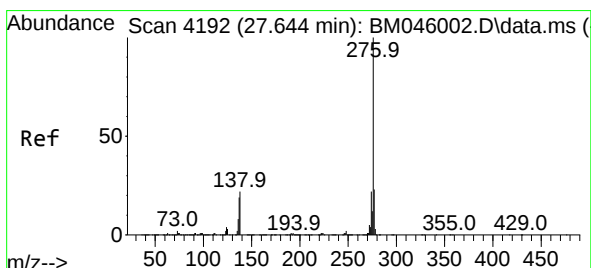
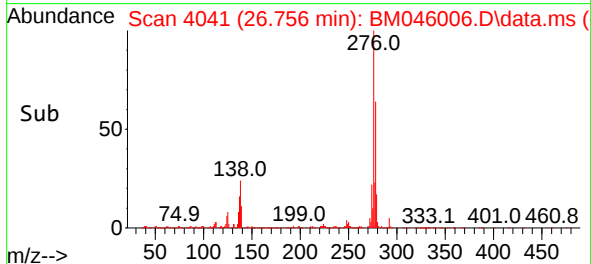
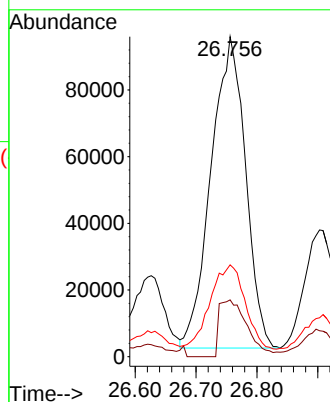
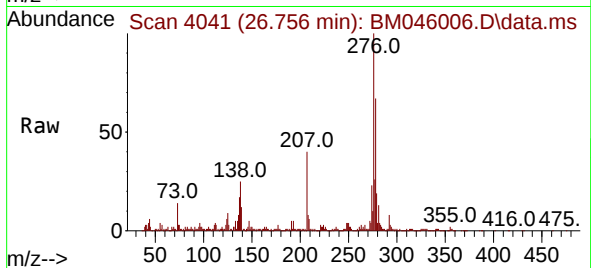
Tgt Ion:278 Resp: 367429

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.2	19.8
279	28.7	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#96

Benzo(g,h,i)perylene

Concen: 4.408 ng/ul m

RT: 27.650 min Scan# 4193

Delta R.T. -0.006 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Tgt Ion:276 Resp: 157614

Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.6	27.8
277	25.9	18.7	28.1

