

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046007.D
 Acq On : 12 Jun 2024 21:57
 Operator : MA/JU
 Sample : P2659-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHC31

Manual Integrations
 APPROVED

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

Quant Time: Jun 13 04:34:30 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	151115	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	644302	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.080	164	400560	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.821	188	846132	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	723082	20.000	ng/u1	0.00
88) Perylene-d12	23.739	264	696142	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	12881	3.305	ng/uL	0.00
4) Pyridine-d5	3.463	84	51899	5.171	ng/u1	0.01
7) Phenol-d5	6.693	99	288130	22.444	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.799	67	216231	23.457	ng/u1	0.00
11) 2-Chlorophenol-d4	6.998	132	236197	24.631	ng/u1	0.00
15) 4-Methylphenol-d8	8.204	113	191138	19.707	ng/u1	0.00
21) Nitrobenzene-d5	8.598	128	120398	23.900	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	128934	25.289	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	226927	23.735	ng/u1	0.00
31) 4-Chloroaniline-d4	10.392	131	139883	10.571	ng/u1	0.00
46) Dimethylphthalate-d6	13.527	166	690808	24.911	ng/u1	0.00
49) Acenaphthylene-d8	13.769	160	795038	24.689	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	90801	15.172	ng/u1	0.00
60) Fluorene-d10	15.080	176	600300	25.375	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.222	200	66799	15.460	ng/u1	0.00
73) Anthracene-d10	16.921	188	916810	24.925	ng/u1	0.00
81) Pyrene-d10	19.221	212	990533	22.028	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.556	264	600521	18.457	ng/u1	0.00
Target Compounds					Qvalue	
50) Acenaphthylene	13.798	152	193655	5.196	ng/u1	98
61) Fluorene	15.133	166	46509	1.721	ng/u1#	97
72) Phenanthrene	16.868	178	1239315	27.797	ng/u1	99
74) Anthracene	16.957	178	218376	4.904	ng/u1	99
77) Carbazole	17.245	167	83416	2.195	ng/u1	98
80) Fluoranthene	18.892	202	2715748	49.817	ng/u1	99
82) Pyrene	19.251	202	2103041	37.548	ng/u1	99
85) Benzo(a)anthracene	21.021	228	1118544	22.403	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	20.968	149	39029	1.151	ng/u1#	96
87) Chrysene	21.080	228	1158534	25.084	ng/u1	98
90) Benzo(b)fluoranthene	22.897	252	1295753	30.288	ng/u1	99
91) Benzo(k)fluoranthene	22.950	252	472388m	11.305	ng/u1	
93) Benzo(a)pyrene	23.615	252	553504	14.724	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.715	276	457438	11.142	ng/u1	100
95) Dibenzo(a,h)anthracene	26.756	278	150785m	4.644	ng/u1	
96) Benzo(g,h,i)perylene	27.650	276	65887m	1.822	ng/u1	

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

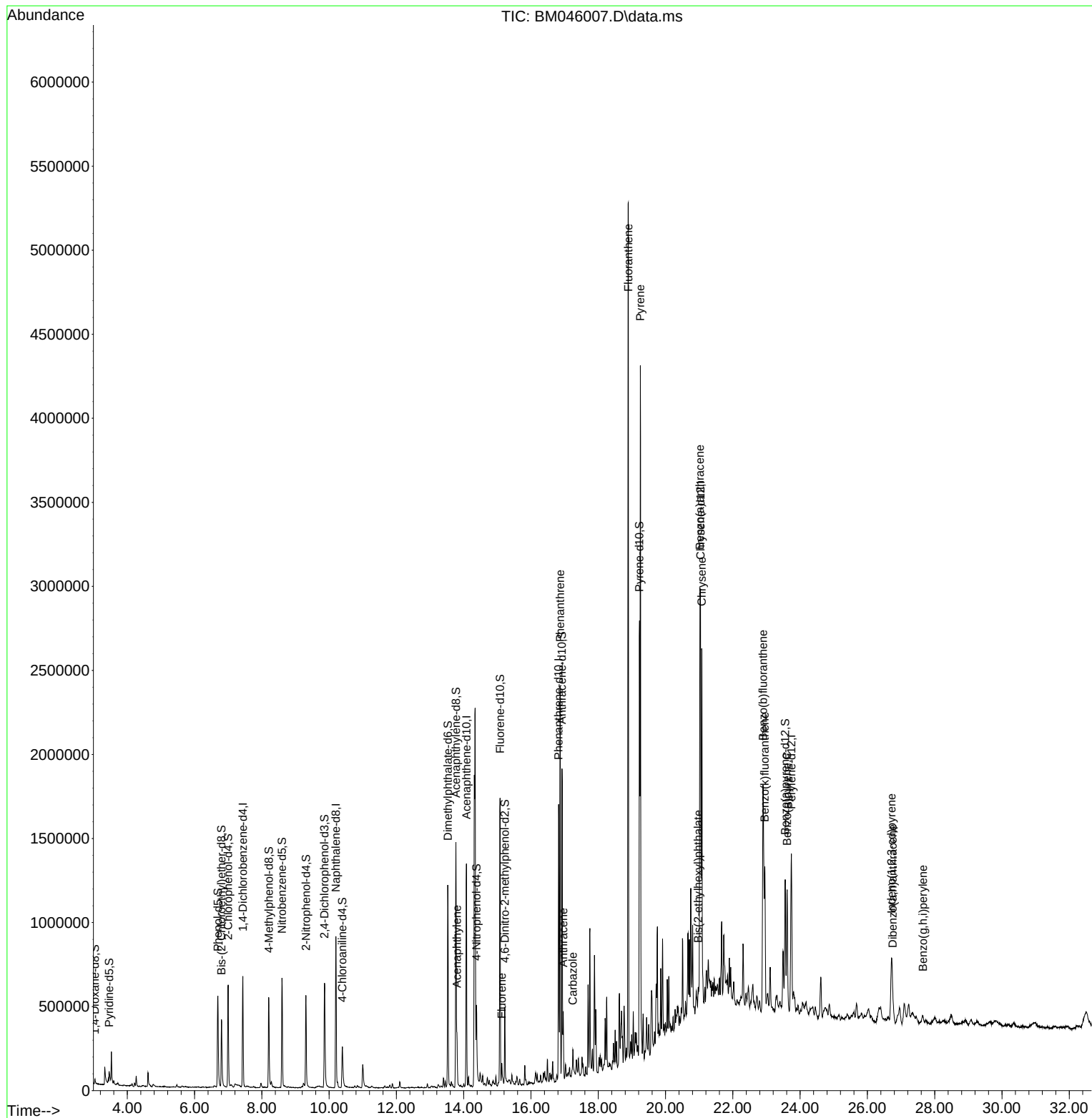
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
Data File : BM046007.D
Acq On : 12 Jun 2024 21:57
Operator : MA/JU
Sample : P2659-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

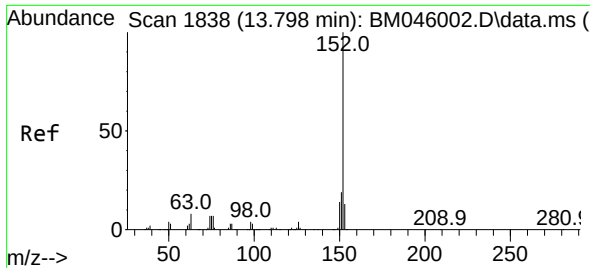
Instrument :
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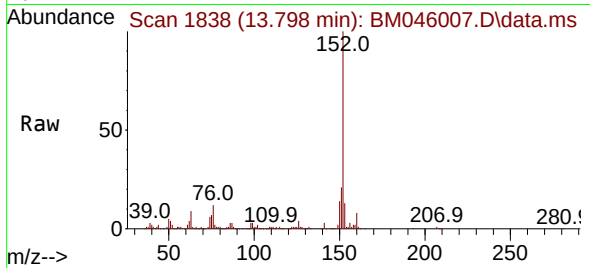
Quant Time: Jun 13 04:34:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 16:01:34 2024
Response via : Initial Calibration





#50
Acenaphthylene
Concen: 5.196 ng/ul
RT: 13.798 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BM046007.D
Acq: 12 Jun 2024 21:57

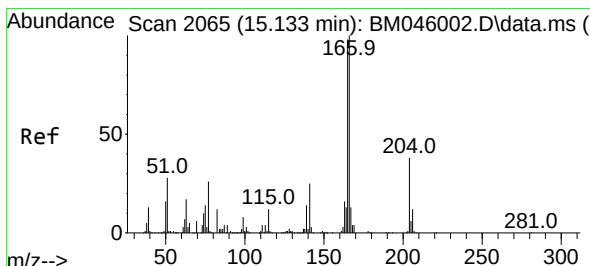
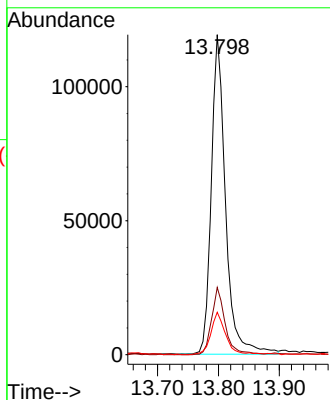
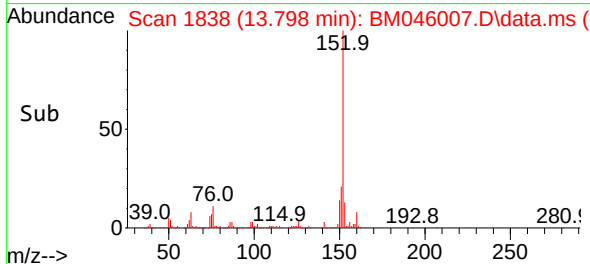
Instrument :
BNA_M
ClientSampleId :
BHC31



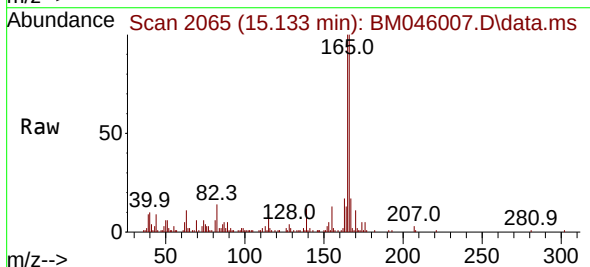
Tgt Ion:152 Resp: 19365
Ion Ratio Lower Upper
152 100
151 21.0 15.6 23.4
153 13.2 10.4 15.6

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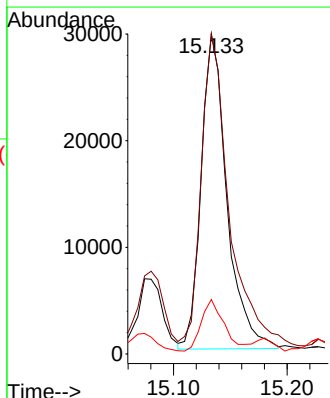
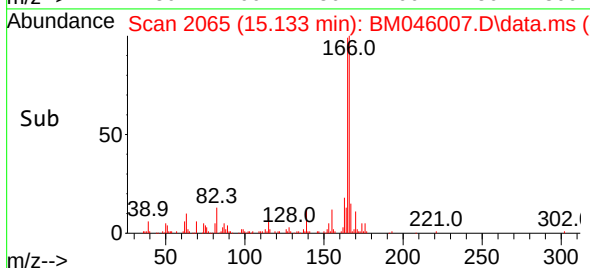
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

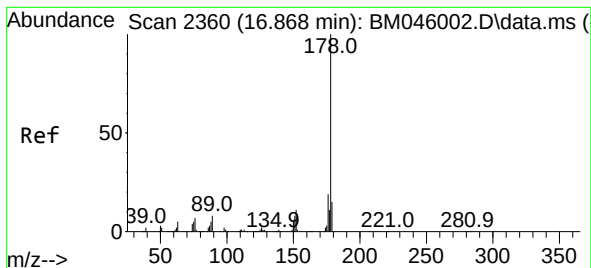


#61
Fluorene
Concen: 1.721 ng/ul
RT: 15.133 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BM046007.D
Acq: 12 Jun 2024 21:57



Tgt Ion:166 Resp: 46509
Ion Ratio Lower Upper
166 100
165 100.0 78.1 117.1
167 17.0 10.6 16.0#





#72

Phenanthrene

Concen: 27.797 ng/u1

RT: 16.868 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM046007.D

Acq: 12 Jun 2024 21:57

Instrument :

BNA_M

ClientSampleId :

BHC31

Tgt Ion:178 Resp: 123931

Ion Ratio Lower Upper

178 100

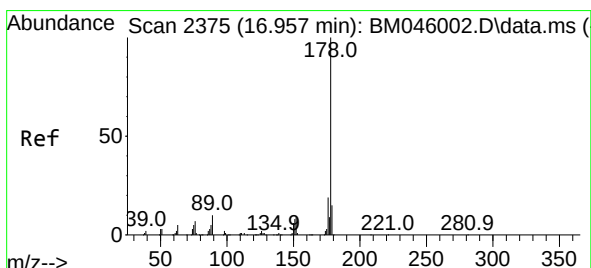
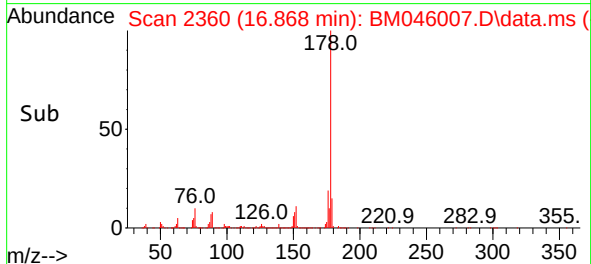
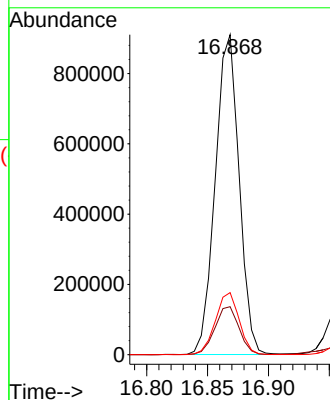
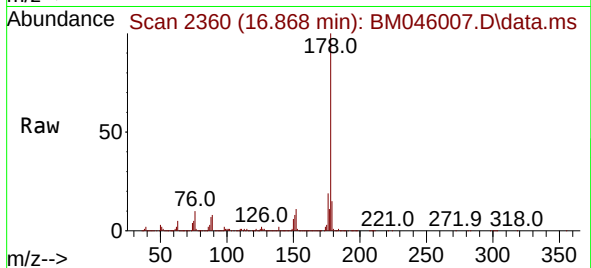
179 15.0 12.4 18.6

176 19.4 15.3 22.9

Manual Integrations

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#74

Anthracene

Concen: 4.904 ng/u1

RT: 16.957 min Scan# 2375

Delta R.T. -0.006 min

Lab File: BM046007.D

Acq: 12 Jun 2024 21:57

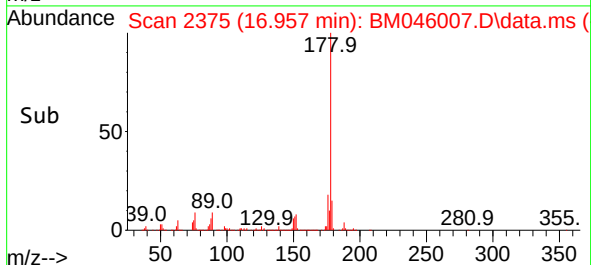
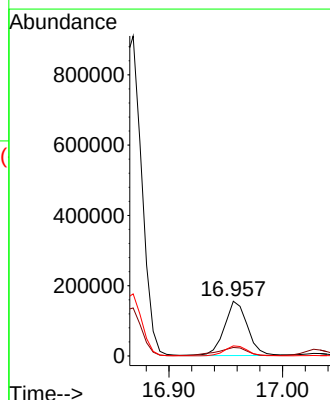
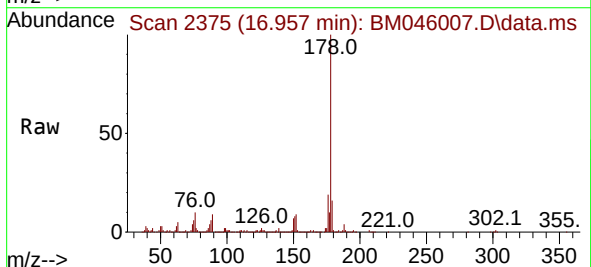
Tgt Ion:178 Resp: 218376

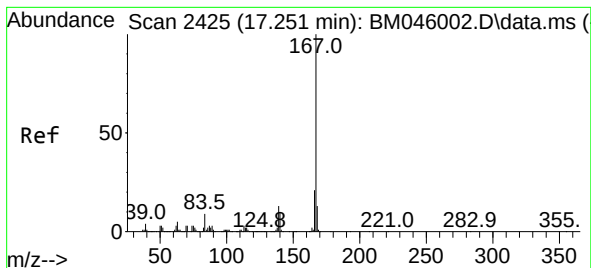
Ion Ratio Lower Upper

178 100

179 15.6 12.0 18.0

176 18.5 15.0 22.6





#77

Carbazole

Concen: 2.195 ng/ul

RT: 17.245 min Scan# 2425

Delta R.T. -0.012 min

Lab File: BM046007.D

Acq: 12 Jun 2024 21:57

Instrument :

BNA_M

ClientSampleId :

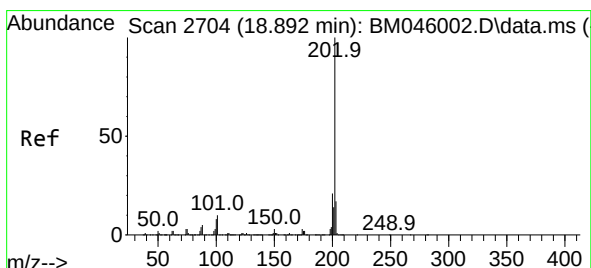
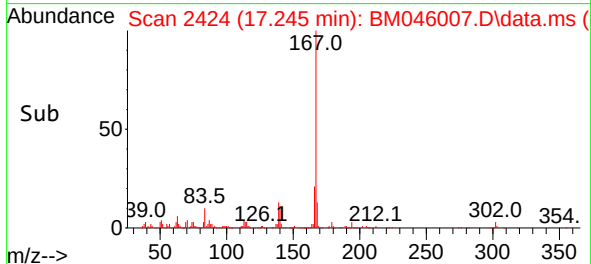
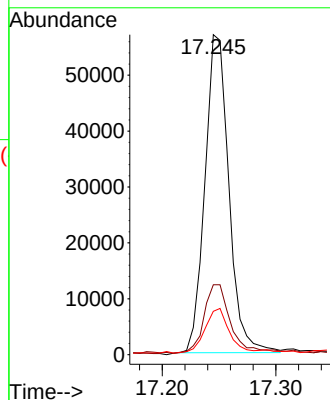
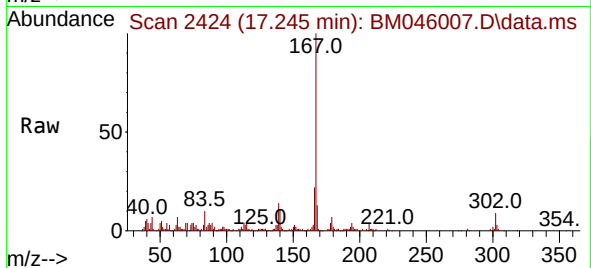
BHC31

Tgt Ion:167 Resp: 83410
 Ion Ratio Lower Upper
 167 100
 166 21.8 16.6 24.8
 139 13.5 10.6 16.0

Manual Integrations

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#80

Fluoranthene

Concen: 49.817 ng/ul

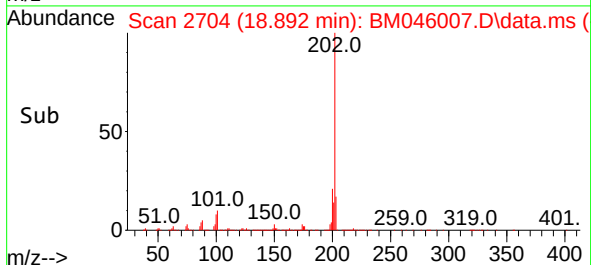
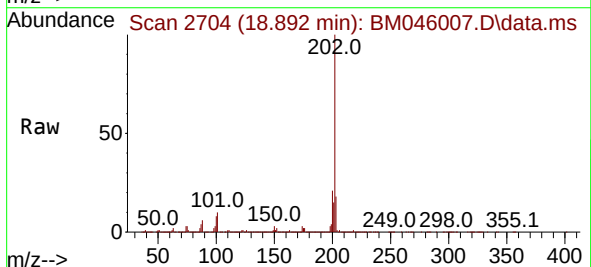
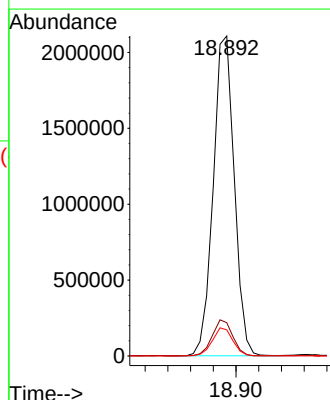
RT: 18.892 min Scan# 2704

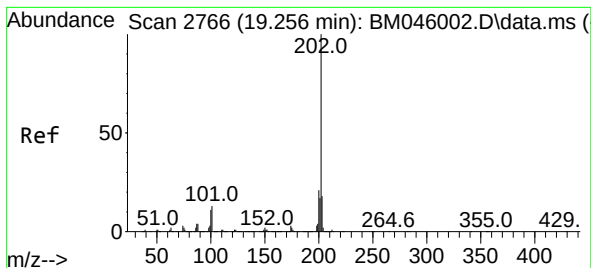
Delta R.T. 0.000 min

Lab File: BM046007.D

Acq: 12 Jun 2024 21:57

Tgt Ion:202 Resp: 2715748
 Ion Ratio Lower Upper
 202 100
 101 10.4 8.9 13.3
 100 8.1 6.6 10.0





#82

Pyrene

Concen: 37.548 ng/ul

RT: 19.251 min Scan# 210304

Delta R.T. -0.006 min

Lab File: BM046007.D

Acq: 12 Jun 2024 21:57

Instrument :

BNA_M

ClientSampleId :

BHC31

Tgt Ion:202 Resp: 210304

Ion Ratio Lower Upper

202 100

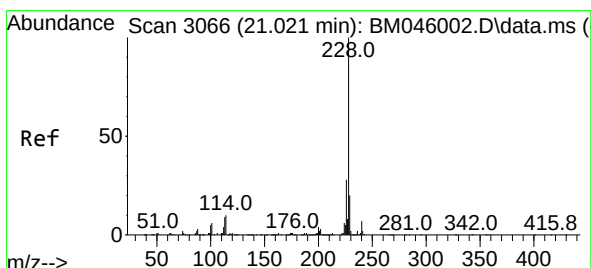
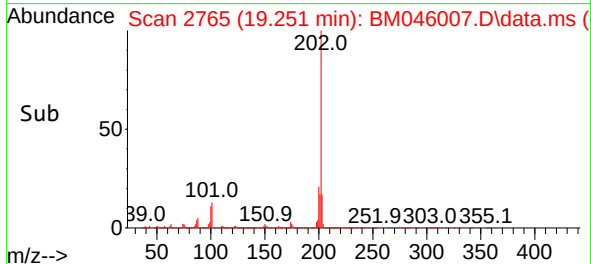
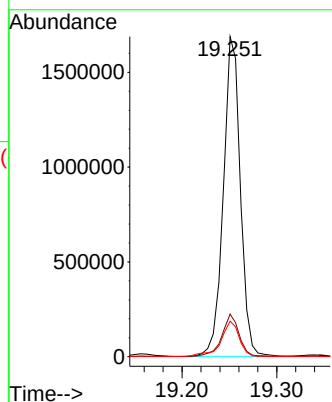
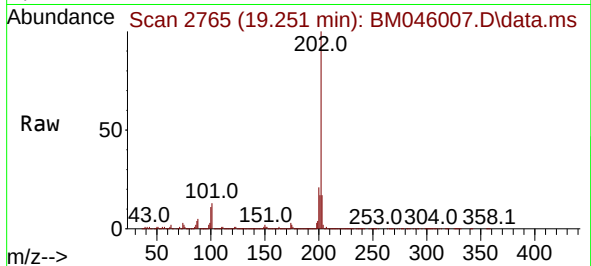
101 13.3 10.5 15.7

100 11.1 8.6 12.8

Manual Integrations

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Supervised By :mohammad ahmed 06/15/2024



#85

Benzo(a)anthracene

Concen: 22.403 ng/ul

RT: 21.021 min Scan# 3066

Delta R.T. -0.006 min

Lab File: BM046007.D

Acq: 12 Jun 2024 21:57

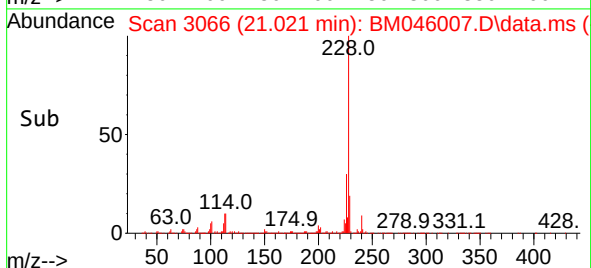
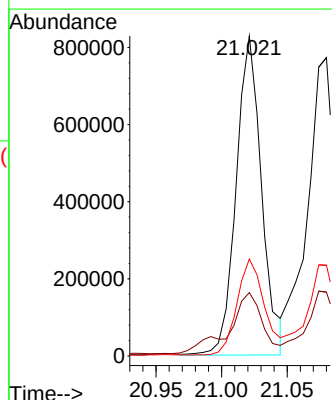
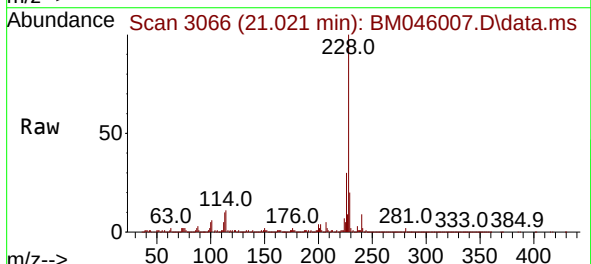
Tgt Ion:228 Resp: 1118544

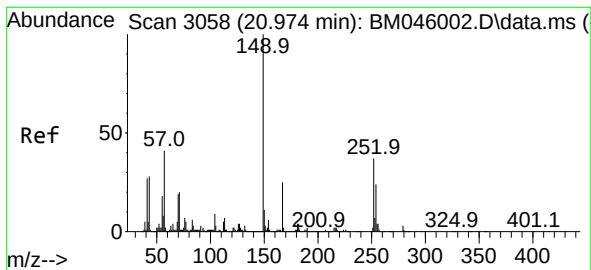
Ion Ratio Lower Upper

228 100

229 19.8 15.8 23.8

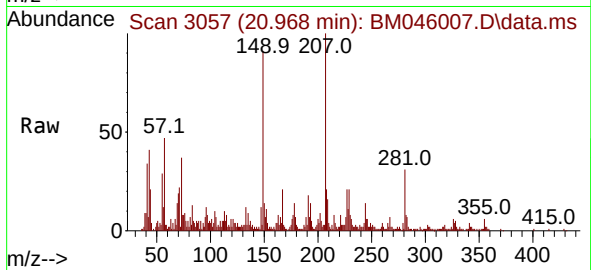
226 30.3 21.4 32.0





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.151 ng/ul
RT: 20.968 min Scan# 3057
Delta R.T. -0.012 min
Lab File: BM046007.D
Acq: 12 Jun 2024 21:57

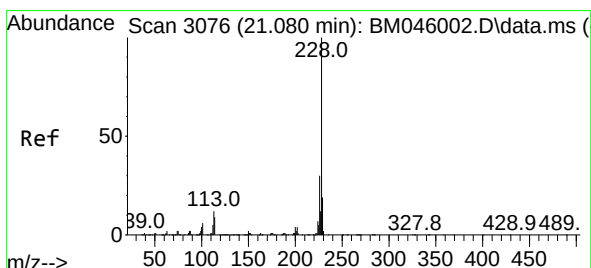
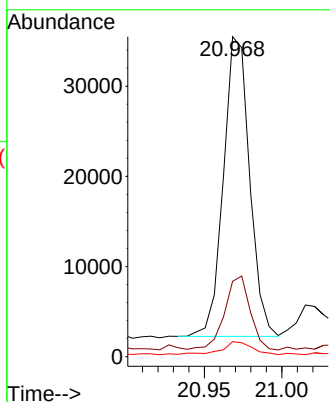
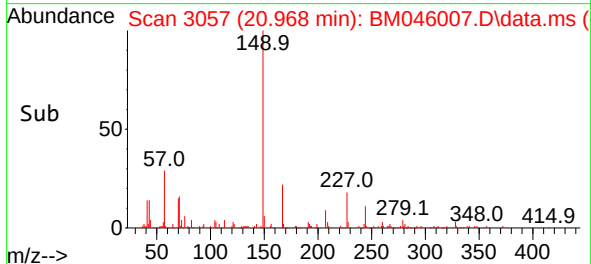
Instrument :
BNA_M
ClientSampleId :
BHC31



Tgt Ion:149 Resp: 39029
Ion Ratio Lower Upper
149 100
167 23.6 20.4 30.6
279 4.7 3.1 4.7

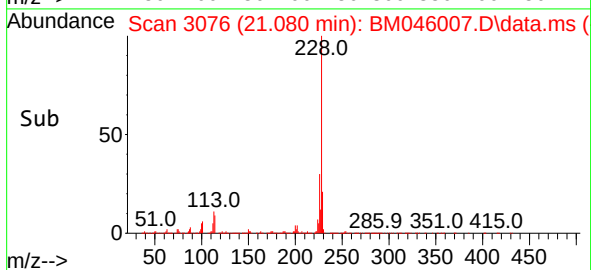
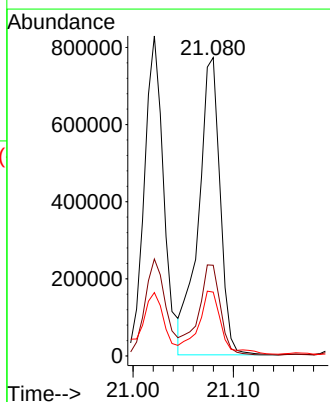
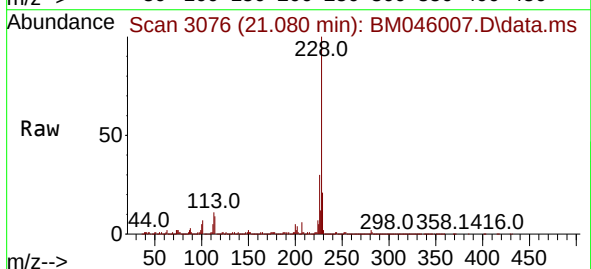
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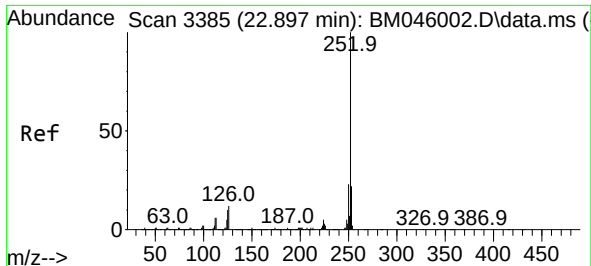
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#87
Chrysene
Concen: 25.084 ng/ul
RT: 21.080 min Scan# 3076
Delta R.T. -0.006 min
Lab File: BM046007.D
Acq: 12 Jun 2024 21:57

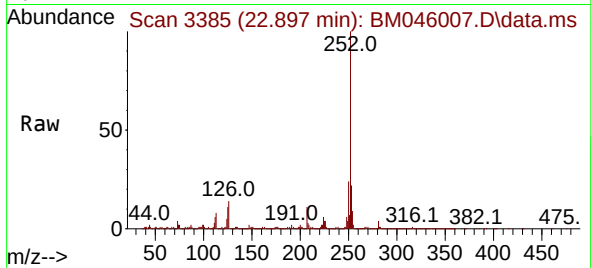
Tgt Ion:228 Resp: 1158534
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 21.4 15.2 22.8





#90
Benzo(b)fluoranthene
Concen: 30.288 ng/ul
RT: 22.897 min Scan# 3385
Delta R.T. -0.006 min
Lab File: BM046007.D
Acq: 12 Jun 2024 21:57

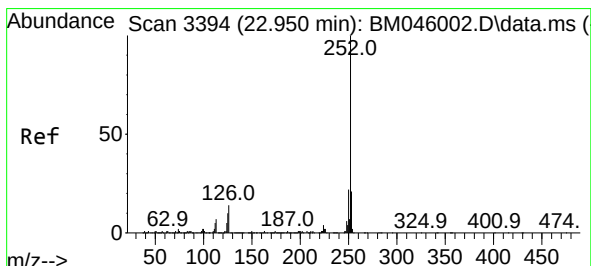
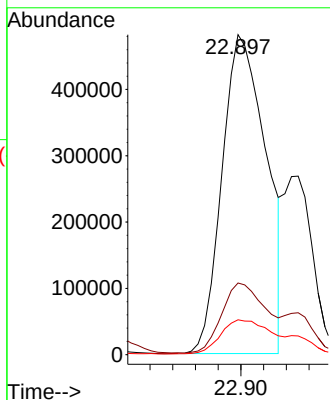
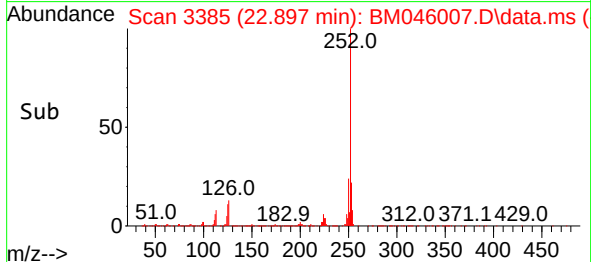
Instrument :
BNA_M
ClientSampleId :
BHC31



Tgt Ion:252 Resp: 129575
Ion Ratio Lower Upper
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253 22.4 17.8 26.6
125 10.9 8.4 12.6

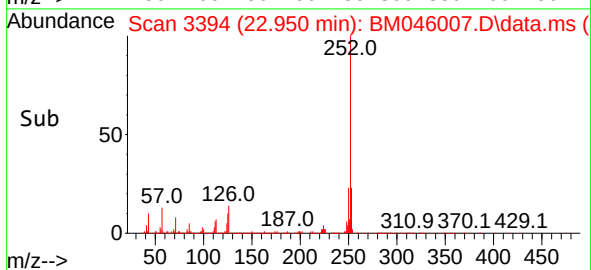
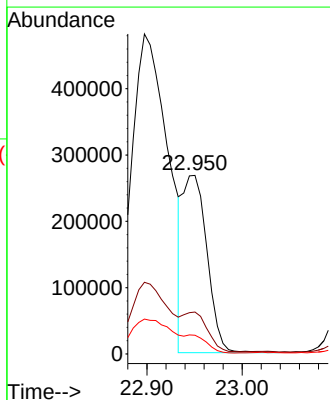
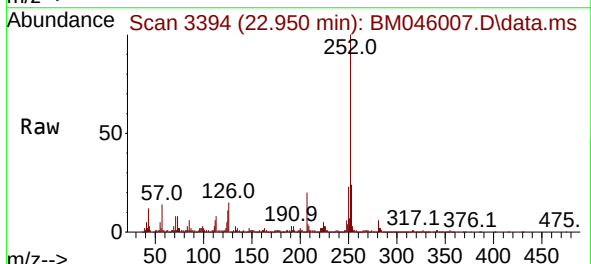
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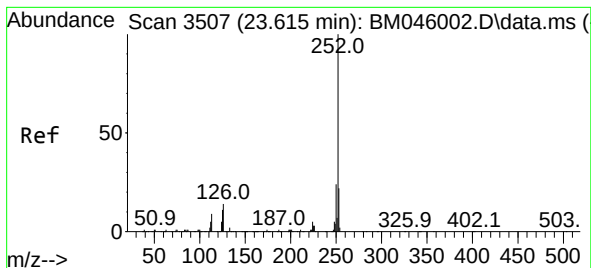
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#91
Benzo(k)fluoranthene
Concen: 11.305 ng/ul m
RT: 22.950 min Scan# 3394
Delta R.T. -0.006 min
Lab File: BM046007.D
Acq: 12 Jun 2024 21:57

Tgt Ion:252 Resp: 472388
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 10.5 8.2 12.4





#93

Benzo(a)pyrene

Concen: 14.724 ng/ul

RT: 23.615 min Scan# 3507

Delta R.T. -0.006 min

Lab File: BM046007.D

Acq: 12 Jun 2024 21:57

Instrument :

BNA_M

ClientSampleId :

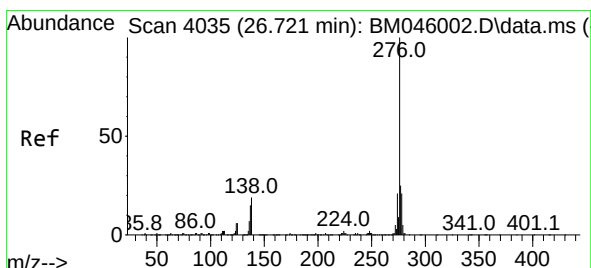
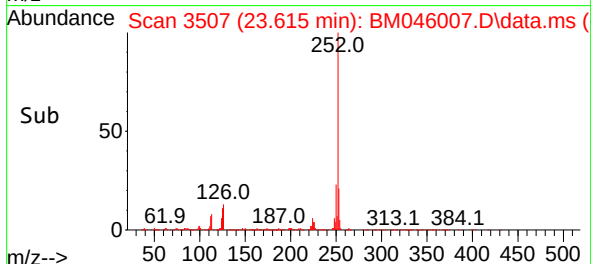
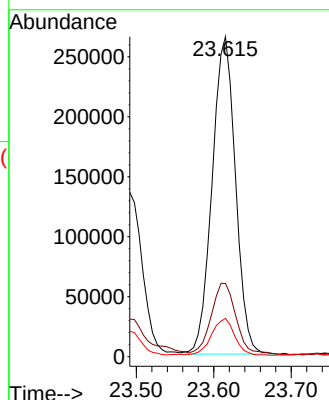
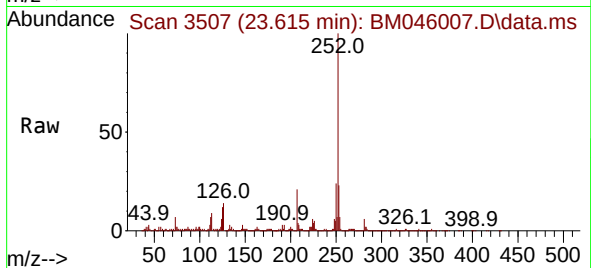
BHC31

Tgt Ion:	252	Resp:	553504
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	12.0	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: 11.142 ng/ul

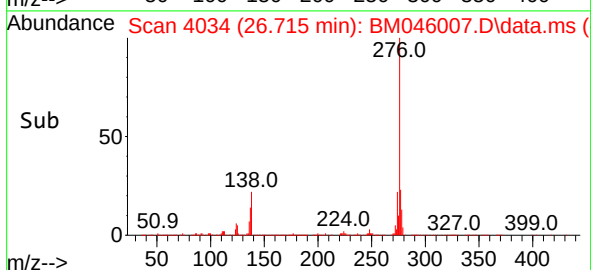
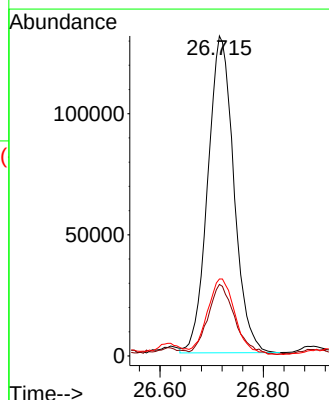
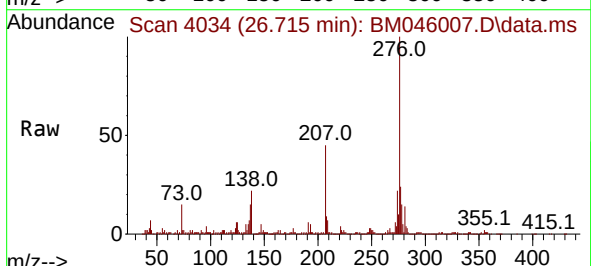
RT: 26.715 min Scan# 4034

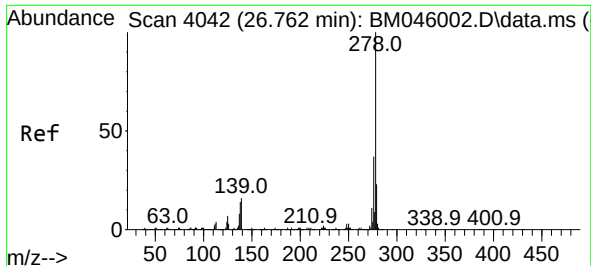
Delta R.T. -0.012 min

Lab File: BM046007.D

Acq: 12 Jun 2024 21:57

Tgt Ion:	276	Resp:	457438
Ion Ratio	Lower	Upper	
276	100		
138	22.4	17.9	26.9
277	24.1	19.0	28.6





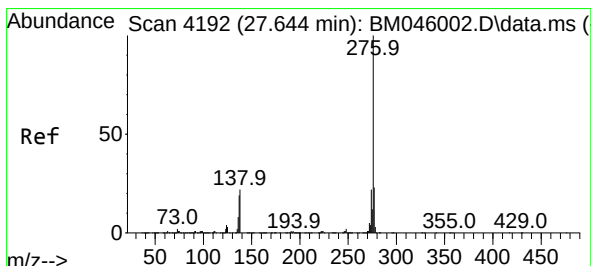
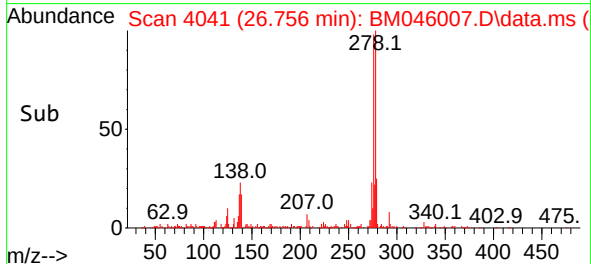
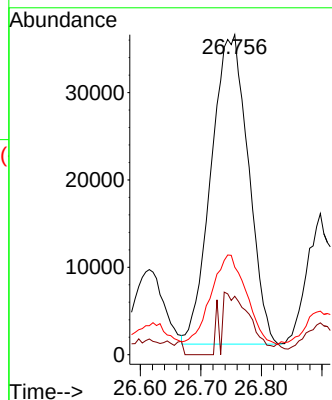
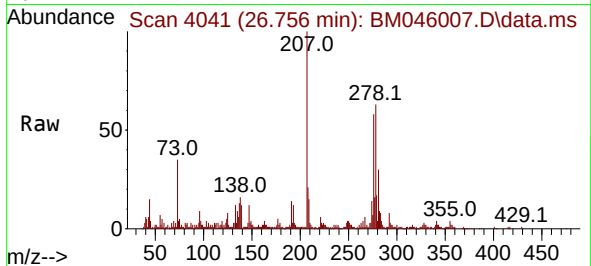
#95
Dibenzo(a,h)anthracene
Concen: 4.644 ng/ul m
RT: 26.756 min Scan# 4042
Delta R.T. -0.018 min
Lab File: BM046007.D
Acq: 12 Jun 2024 21:57

Instrument :
BNA_M
ClientSampleId :
BHC31

Tgt Ion:278 Resp: 150785
Ion Ratio Lower Upper
278 100
139 18.3 13.2 19.8
279 27.4 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: 1.822 ng/ul m
RT: 27.650 min Scan# 4193
Delta R.T. -0.006 min
Lab File: BM046007.D
Acq: 12 Jun 2024 21:57

Tgt Ion:276 Resp: 65887
Ion Ratio Lower Upper
276 100
138 22.1 18.6 27.8
277 23.6 18.7 28.1

