

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046021.D
 Acq On : 13 Jun 2024 13:19
 Operator : MA/JU
 Sample : P2648-18
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHC50

Manual Integrations
 APPROVED

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

Quant Time: Jun 13 13:52:55 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	106080	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	438969	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.075	164	285319	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.821	188	617955	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	621319	20.000	ng/u1	0.00
88) Perylene-d12	23.744	264	707210	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	8122m	2.968	ng/uL	0.00
4) Pyridine-d5	3.469	84	34415	4.885	ng/u1	0.02
7) Phenol-d5	6.687	99	183106	20.318	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.798	67	132491	20.474	ng/u1	0.00
11) 2-Chlorophenol-d4	6.993	132	143144	21.265	ng/u1	0.00
15) 4-Methylphenol-d8	8.204	113	135546	19.909	ng/u1	0.00
21) Nitrobenzene-d5	8.604	128	69559	20.267	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	76587	22.048	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.869	165	140060	21.502	ng/u1	0.00
31) 4-Chloroaniline-d4	10.398	131	90915	10.085	ng/u1	0.01
46) Dimethylphthalate-d6	13.527	166	473601	23.977	ng/u1	0.00
49) Acenaphthylene-d8	13.769	160	536394	23.385	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	57161	13.409	ng/u1	0.00
60) Fluorene-d10	15.074	176	412335	24.469	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.221	200	60846	19.282	ng/u1	0.00
73) Anthracene-d10	16.921	188	660007	24.568	ng/u1	0.00
81) Pyrene-d10	19.221	212	735078	19.024	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.562	264	602095	18.216	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.245	128	41759	1.784	ng/u1	98
36) 2-Methylnaphthalene	11.875	142	23168	1.494	ng/u1	90
37) 1-Methylnaphthalene	12.098	142	28186	1.819	ng/u1	92
50) Acenaphthylene	13.798	152	481697	18.145	ng/u1	100
52) Acenaphthene	14.139	153	53997	3.048	ng/u1	97
56) Dibenzofuran	14.480	168	45746	1.915	ng/u1	94
61) Fluorene	15.133	166	114179	5.932	ng/u1	98
72) Phenanthrene	16.868	178	2944545	90.432	ng/u1	99
74) Anthracene	16.957	178	600926	18.477	ng/u1	98
77) Carbazole	17.245	167	231176	8.330	ng/u1	97
80) Fluoranthene	18.892	202	6674518	142.490	ng/u1	99
82) Pyrene	19.257	202	5154269	107.097	ng/u1	99
83) Butylbenzylphthalate	20.180	149	66634	3.397	ng/u1	90
85) Benzo(a)anthracene	21.027	228	2970340	69.238	ng/u1	94
86) Bis(2-ethylhexyl)phtha...	20.968	149	247183	8.482	ng/u1	99
87) Chrysene	21.080	228	3090388	77.869	ng/u1	97
90) Benzo(b)fluoranthene	22.909	252	4259010	97.995	ng/u1	99
91) Benzo(k)fluoranthene	22.956	252	1261094	29.708	ng/u1	96
93) Benzo(a)pyrene	23.621	252	1855993	48.598	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.738	276	1673243	40.119	ng/u1	97
95) Dibenzo(a,h)anthracene	26.762	278	531168	16.102	ng/u1#	93
96) Benzo(g,h,i)perylene	27.656	276	443004	12.060	ng/u1	98

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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						

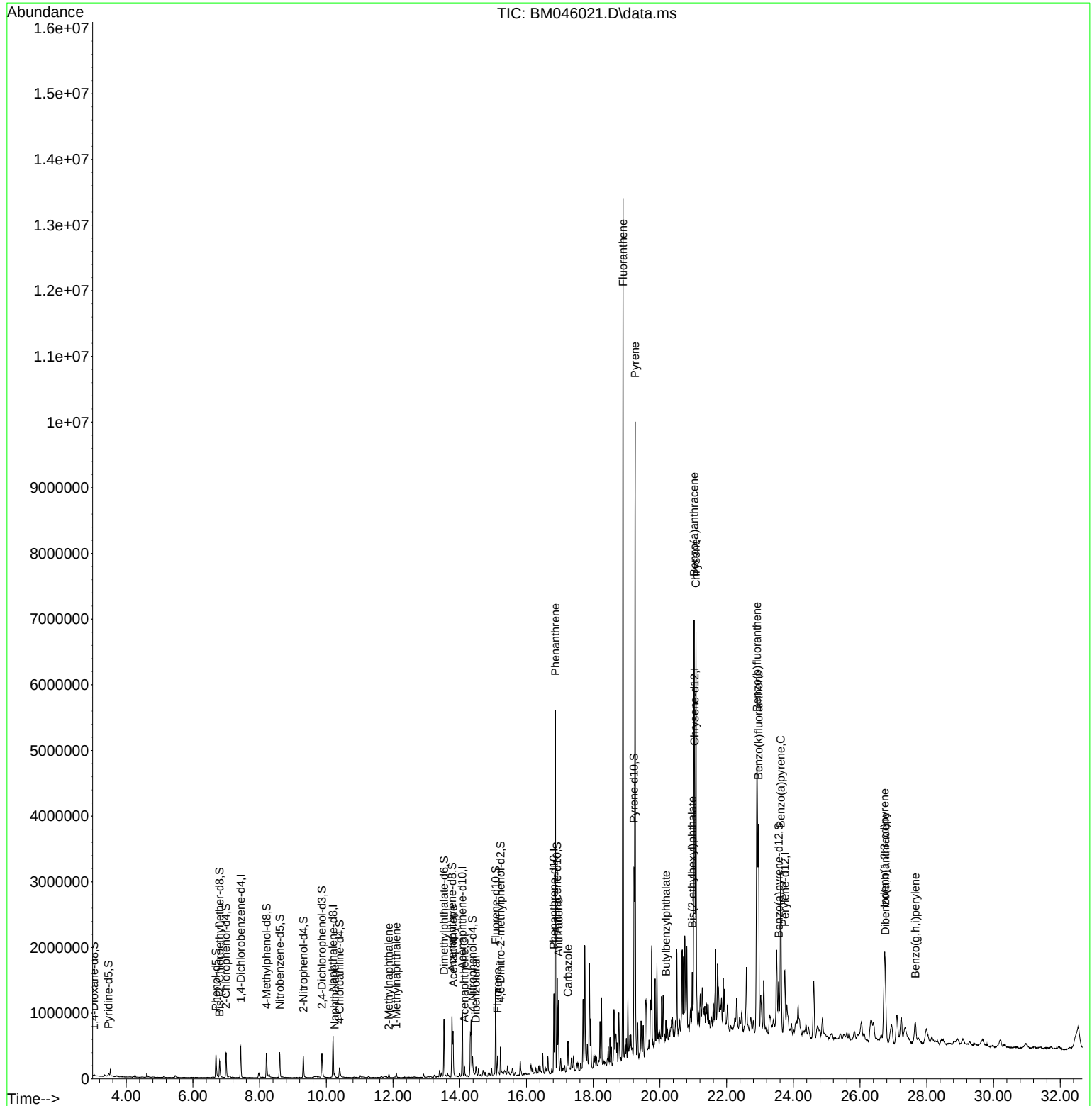
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
Data File : BM046021.D
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Operator : MA/JU
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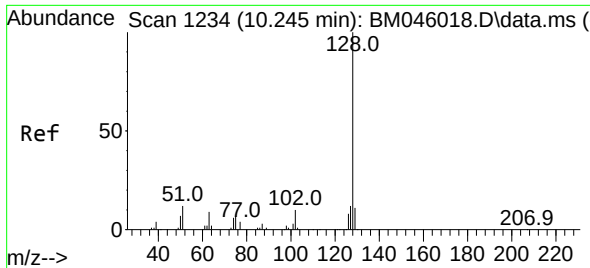
Instrument :
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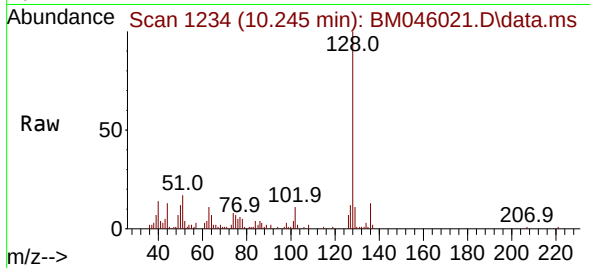
Quant Time: Jun 13 13:52:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
Quant Title : SVOA CALIBRATION
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#30
Naphthalene
Concen: 1.784 ng/ul
RT: 10.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM046021.D
Acq: 13 Jun 2024 13:19

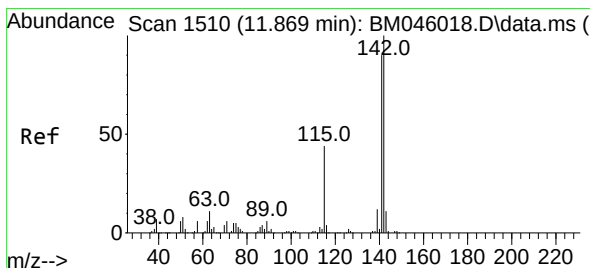
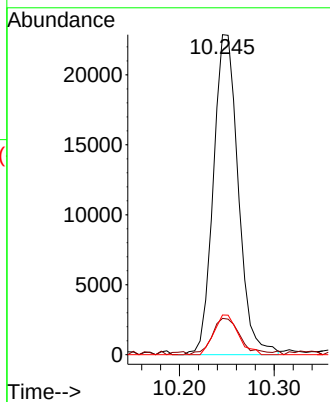
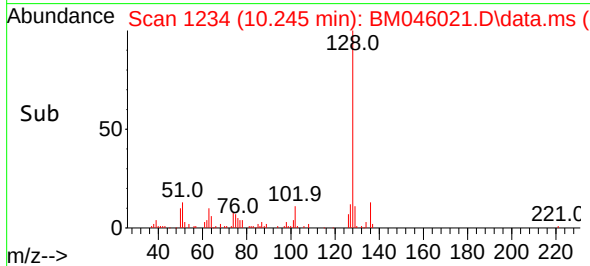
Instrument :
BNA_M
ClientSampleId :
BHC50



Tgt Ion:128 Resp: 41759
Ion Ratio Lower Upper
128 100
129 11.4 8.3 12.5
127 12.4 10.3 15.5

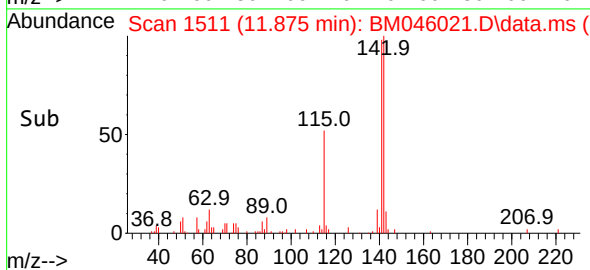
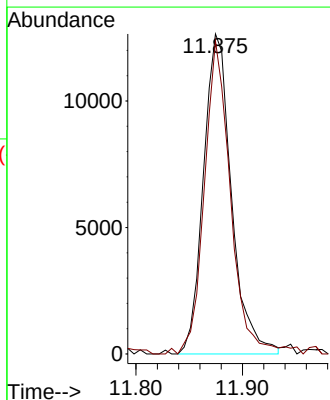
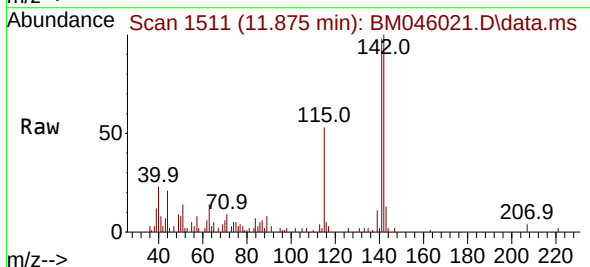
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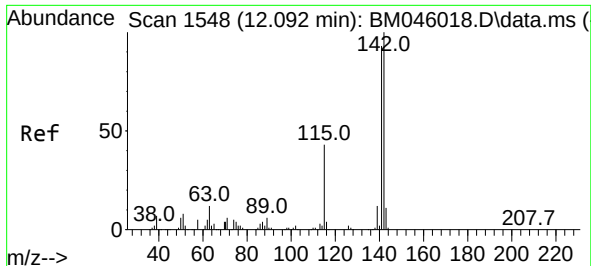
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#36
2-Methylnaphthalene
Concen: 1.494 ng/ul
RT: 11.875 min Scan# 1511
Delta R.T. 0.000 min
Lab File: BM046021.D
Acq: 13 Jun 2024 13:19

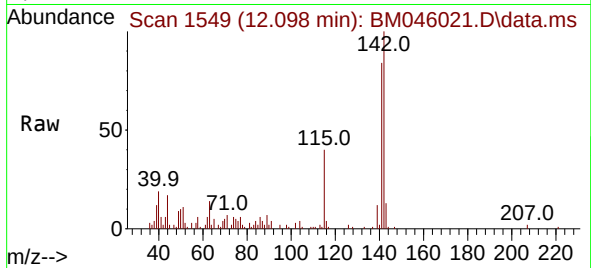
Tgt Ion:142 Resp: 23168
Ion Ratio Lower Upper
142 100
141 97.8 71.1 106.7





#37
1-Methylnaphthalene
Concen: 1.819 ng/ul
RT: 12.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM046021.D
Acq: 13 Jun 2024 13:19

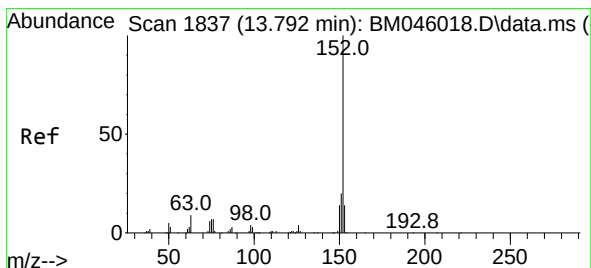
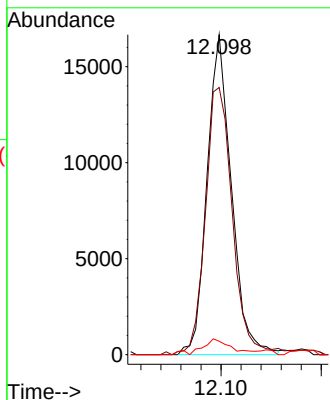
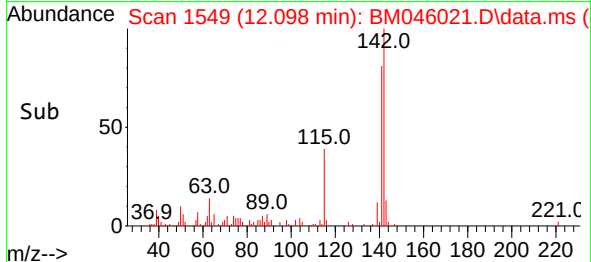
Instrument :
BNA_M
ClientSampleId :
BHC50



Tgt Ion:142 Resp: 28180
Ion Ratio Lower Upper
142 100
141 83.5 73.5 110.3
116 4.2 3.3 4.9

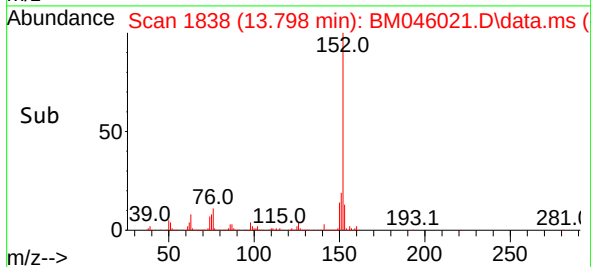
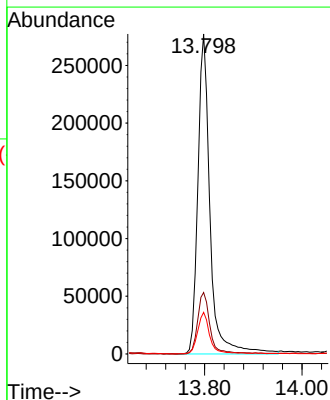
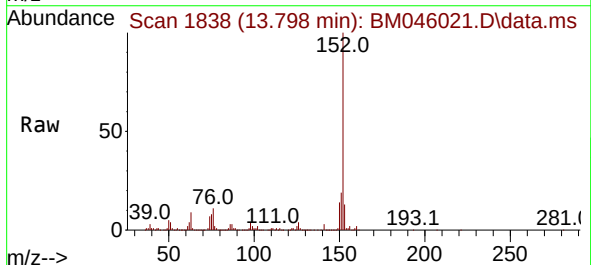
Manual Integrations
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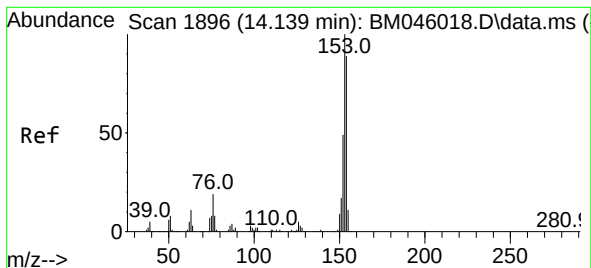
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#50
Acenaphthylene
Concen: 18.145 ng/ul
RT: 13.798 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BM046021.D
Acq: 13 Jun 2024 13:19

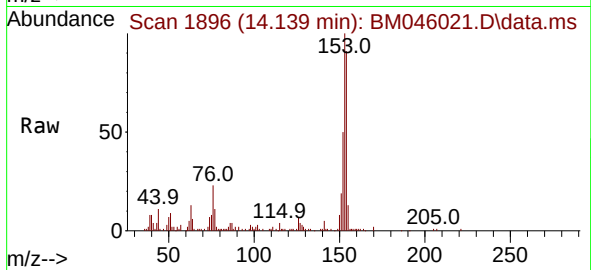
Tgt Ion:152 Resp: 481697
Ion Ratio Lower Upper
152 100
151 19.2 15.6 23.4
153 13.0 10.4 15.6





#52
Acenaphthene
Concen: 3.048 ng/ul
RT: 14.139 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BM046021.D
Acq: 13 Jun 2024 13:19

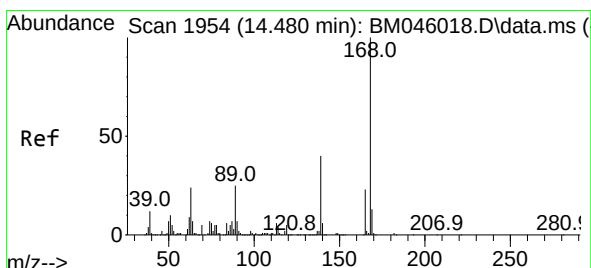
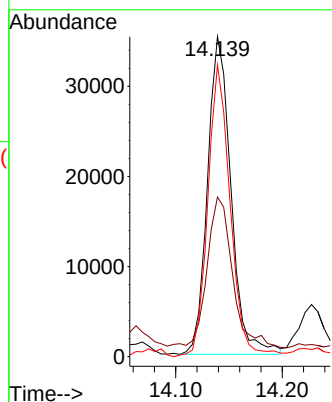
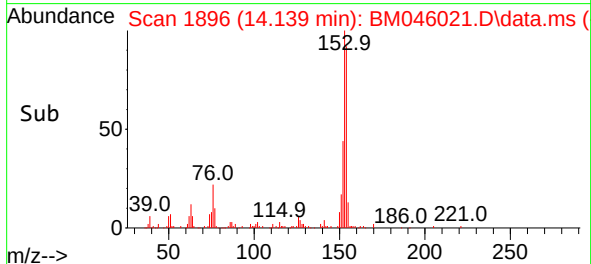
Instrument :
BNA_M
ClientSampleId :
BHC50



Tgt Ion:153 Resp: 53997
Ion Ratio Lower Upper
153 100
152 49.9 38.6 58.0
154 91.2 70.7 106.1

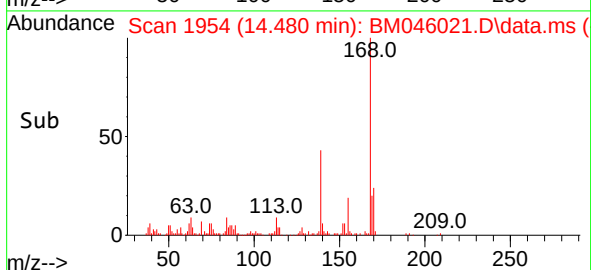
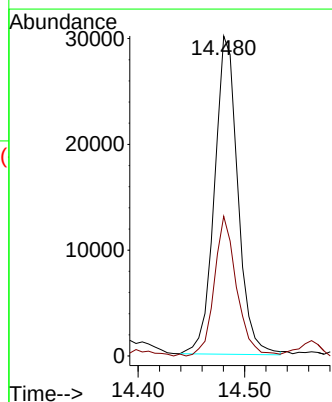
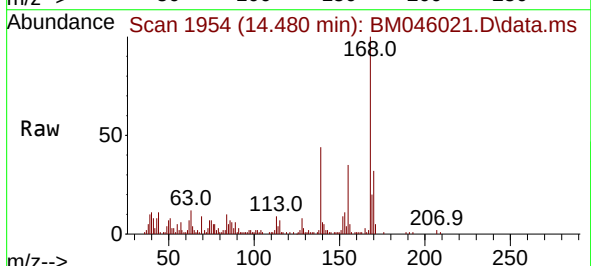
Manual Integrations
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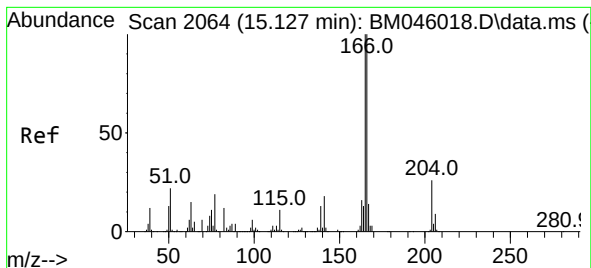
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#56
Dibenzofuran
Concen: 1.915 ng/ul
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM046021.D
Acq: 13 Jun 2024 13:19

Tgt Ion:168 Resp: 45746
Ion Ratio Lower Upper
168 100
139 43.7 32.2 48.2





#61

Fluorene

Concen: 5.932 ng/ul

RT: 15.133 min Scan# 2064

Delta R.T. 0.000 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

Instrument :

BNA_M

ClientSampleId :

BHC50

Tgt Ion:166 Resp: 114179

Ion Ratio Lower Upper

166 100

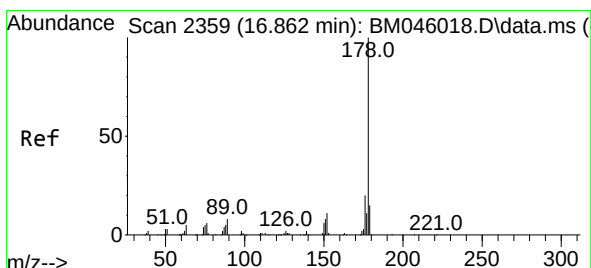
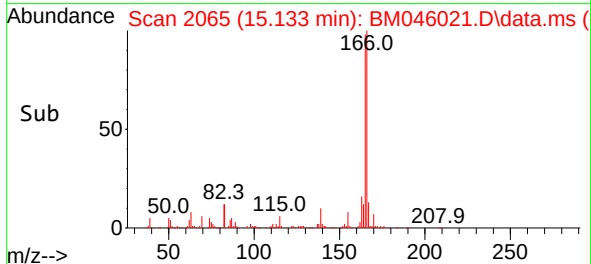
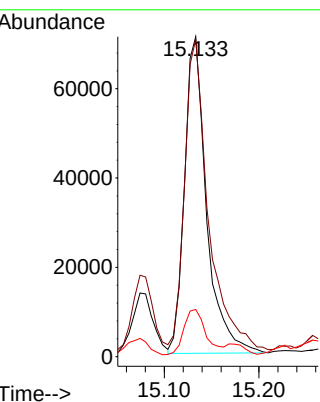
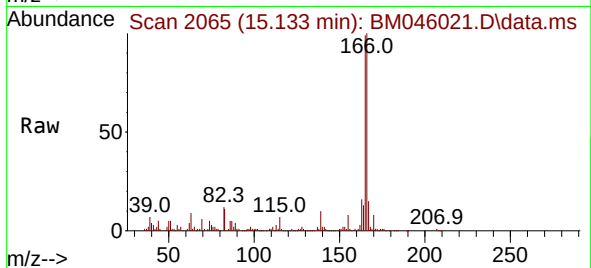
165 99.1 78.1 117.1

167 14.8 10.6 16.0

Manual Integrations

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Supervised By :mohammad ahmed 06/15/2024



#72

Phenanthrene

Concen: 90.432 ng/ul

RT: 16.868 min Scan# 2360

Delta R.T. 0.000 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

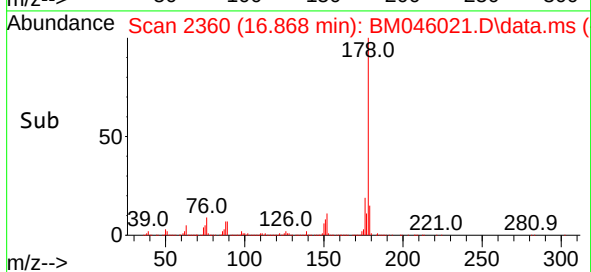
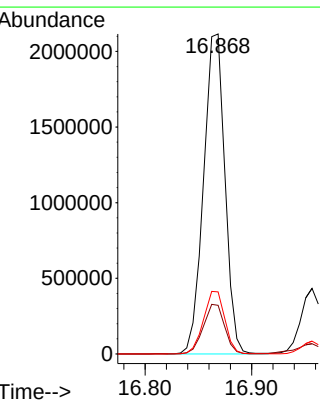
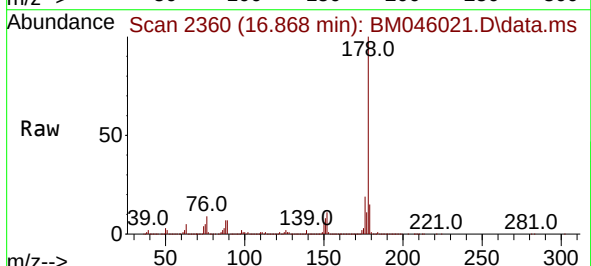
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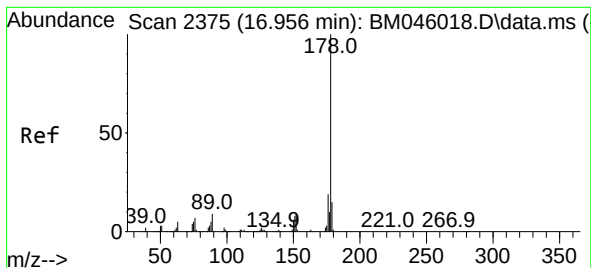
Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

176 19.4 15.3 22.9





#74

Anthracene

Concen: 18.477 ng/ul

RT: 16.957 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

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BHC50

Tgt Ion:178 Resp: 600920

Ion Ratio Lower Upper

178 100

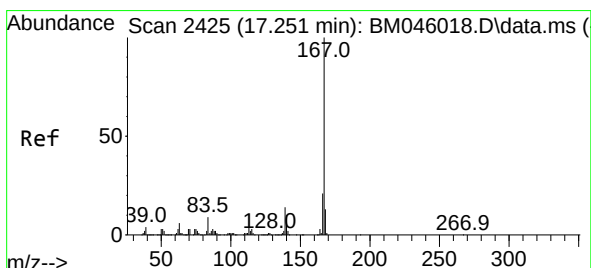
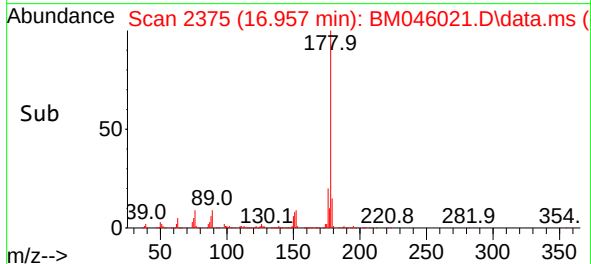
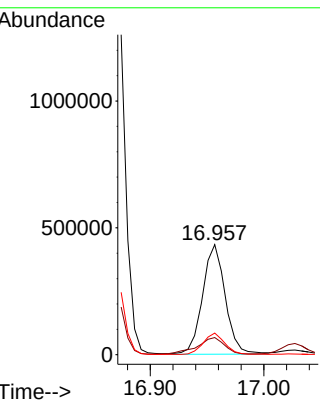
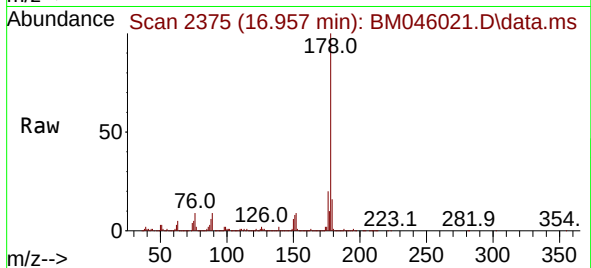
179 15.6 12.0 18.0

176 19.6 15.0 22.6

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#77

Carbazole

Concen: 8.330 ng/ul

RT: 17.245 min Scan# 2424

Delta R.T. -0.012 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

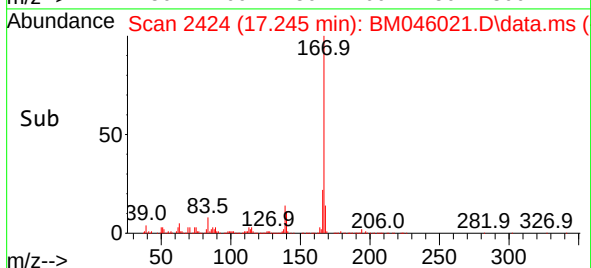
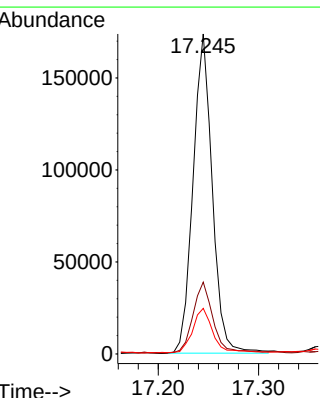
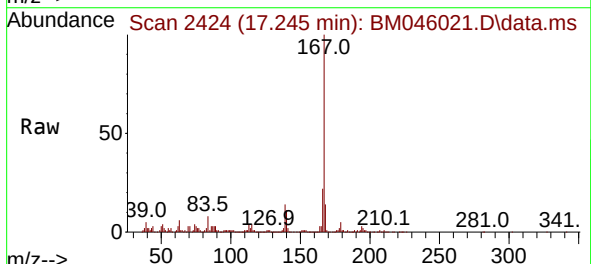
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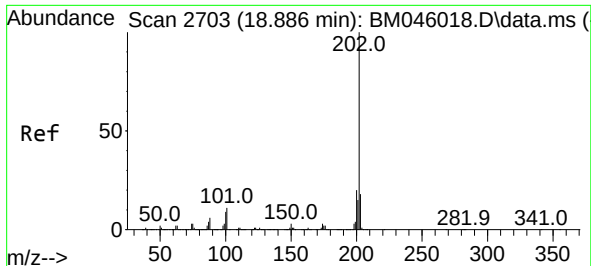
Ion Ratio Lower Upper

167 100

166 22.5 16.6 24.8

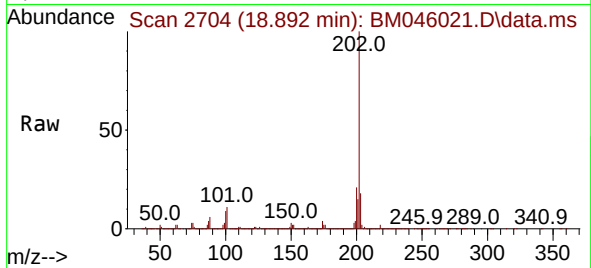
139 14.2 10.6 16.0





#80
Fluoranthene
Concen: 142.490 ng/u1
RT: 18.892 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM046021.D
Acq: 13 Jun 2024 13:19

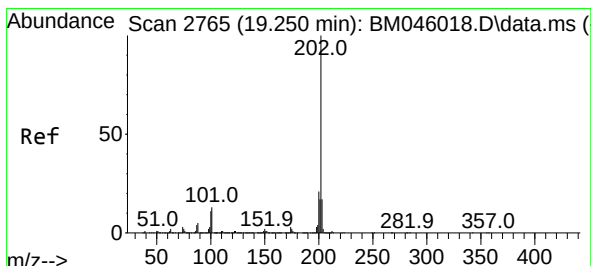
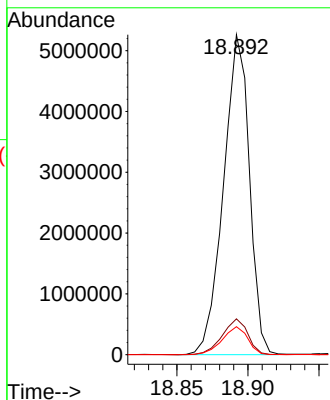
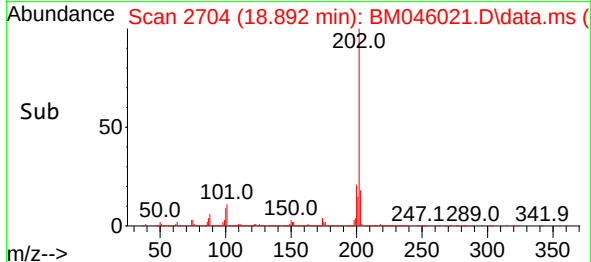
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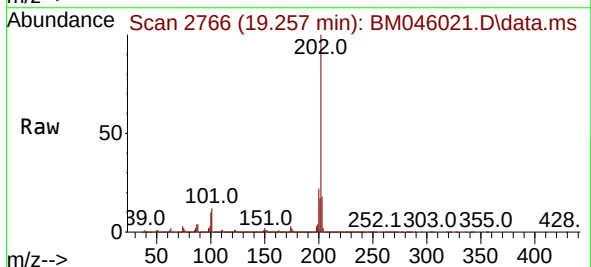
Tgt Ion:202 Resp: 6674518
Ion Ratio Lower Upper
202 100
101 11.2 8.9 13.3
100 8.8 6.6 10.0

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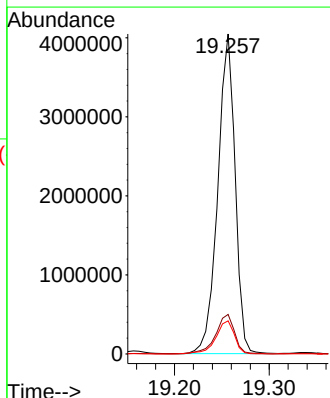
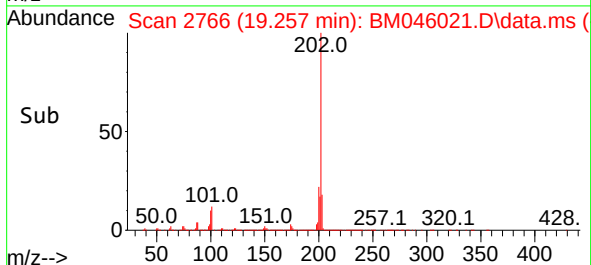
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

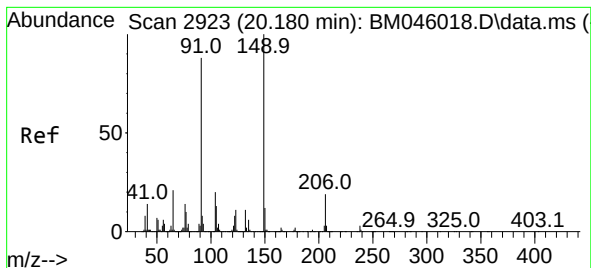


#82
Pyrene
Concen: 107.097 ng/u1
RT: 19.257 min Scan# 2766
Delta R.T. 0.000 min
Lab File: BM046021.D
Acq: 13 Jun 2024 13:19



Tgt Ion:202 Resp: 5154269
Ion Ratio Lower Upper
202 100
101 12.4 10.5 15.7
100 10.3 8.6 12.8





#83

Butylbenzylphthalate

Concen: 3.397 ng/ul

RT: 20.180 min Scan# 2923

Delta R.T. -0.006 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

Instrument :

BNA_M

ClientSampleId :

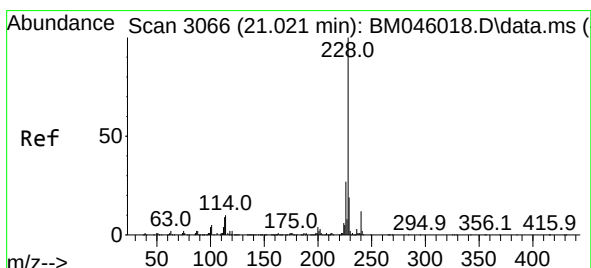
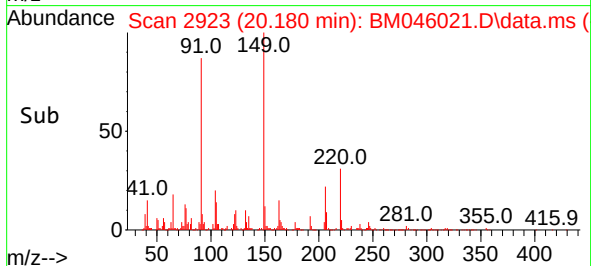
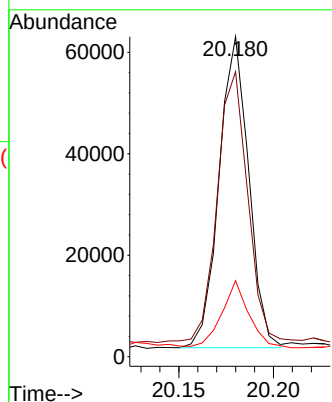
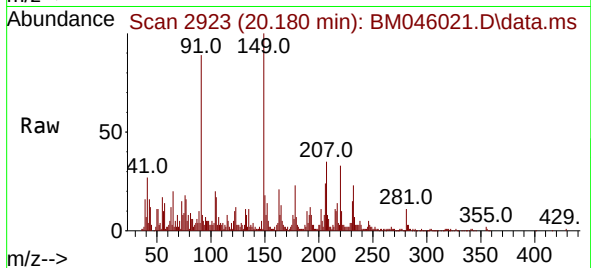
BHC50

Tgt Ion:	149	Resp:	66634
Ion Ratio	Lower	Upper	
149	100		
91	89.1	63.7	95.5
206	23.7	15.9	23.9

Manual Integrations

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



#85

Benzo(a)anthracene

Concen: 69.238 ng/ul

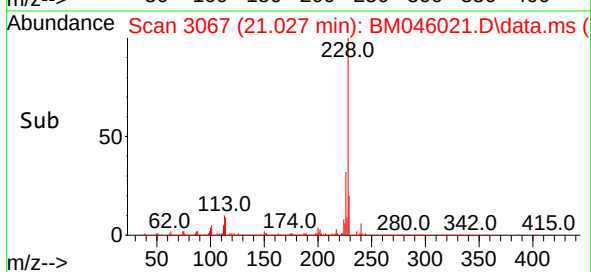
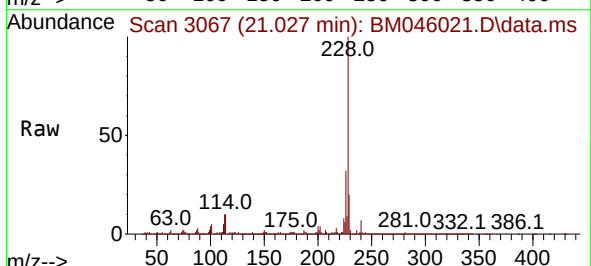
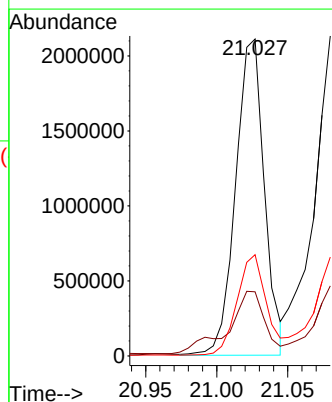
RT: 21.027 min Scan# 3067

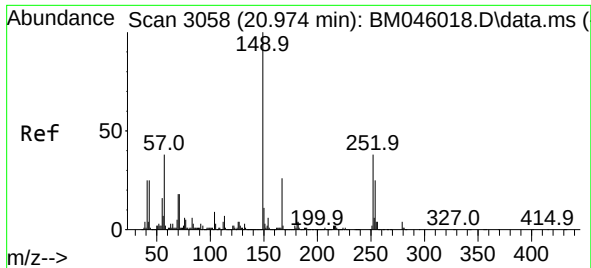
Delta R.T. 0.000 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

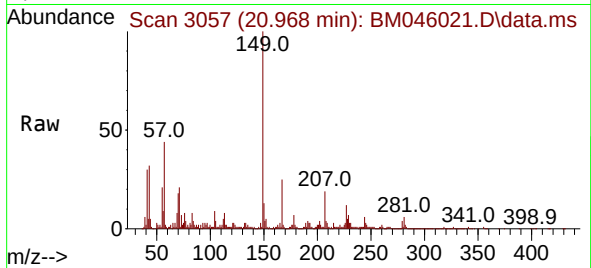
Tgt Ion:	228	Resp:	2970340
Ion Ratio	Lower	Upper	
228	100		
229	20.2	15.8	23.8
226	32.0	21.4	32.0





#86
Bis(2-ethylhexyl)phthalate
Concen: 8.482 ng/ul
RT: 20.968 min Scan# 3057
Delta R.T. -0.012 min
Lab File: BM046021.D
Acq: 13 Jun 2024 13:19

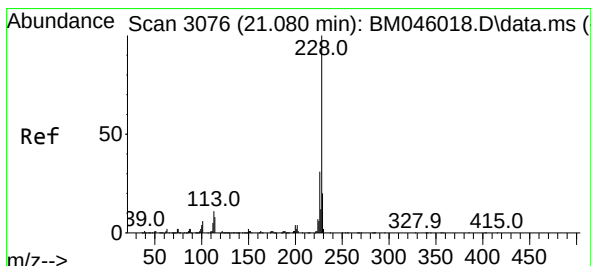
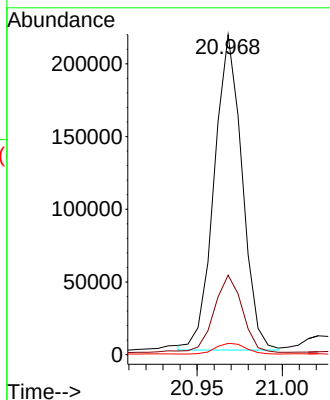
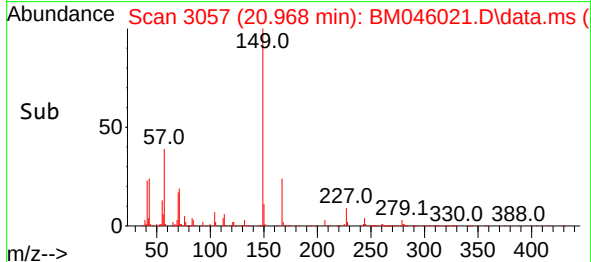
Instrument :
BNA_M
ClientSampleId :
BHC50



Tgt Ion:149 Resp: 24718
Ion Ratio Lower Upper
149 100
167 24.9 20.4 30.6
279 3.6 3.1 4.7

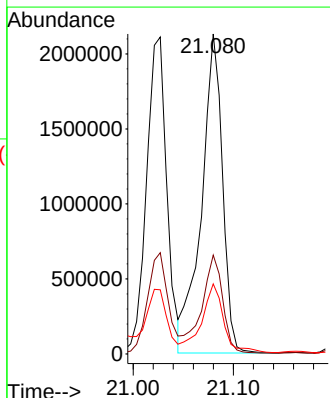
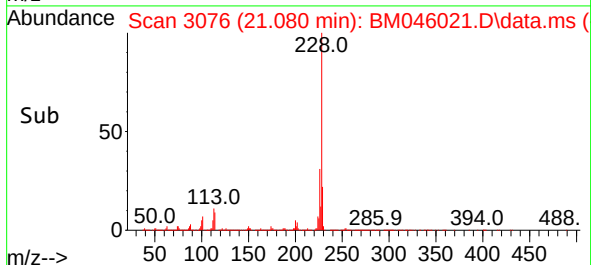
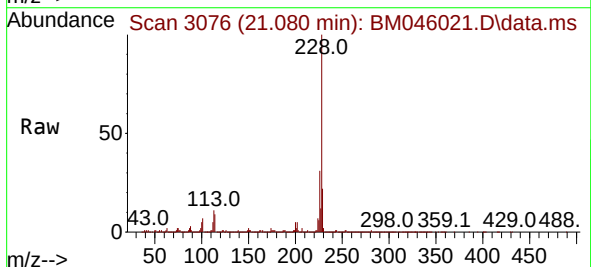
Manual Integrations
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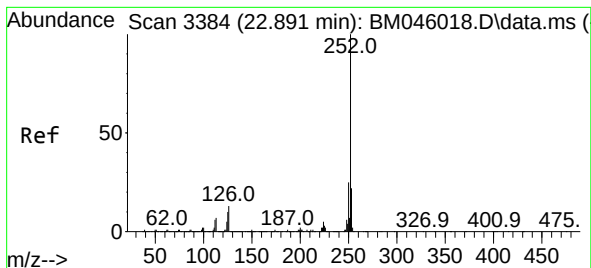
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



#87
Chrysene
Concen: 77.869 ng/ul
RT: 21.080 min Scan# 3076
Delta R.T. -0.006 min
Lab File: BM046021.D
Acq: 13 Jun 2024 13:19

Tgt Ion:228 Resp: 3090388
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.2
229 21.9 15.2 22.8





#90

Benzo(b)fluoranthene

Concen: 97.995 ng/ul

RT: 22.909 min Scan# 3387

Delta R.T. 0.006 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

Instrument :

BNA_M

ClientSampleId :

BHC50

Tgt Ion:252 Resp: 4259010

Ion Ratio Lower Upper

252 100

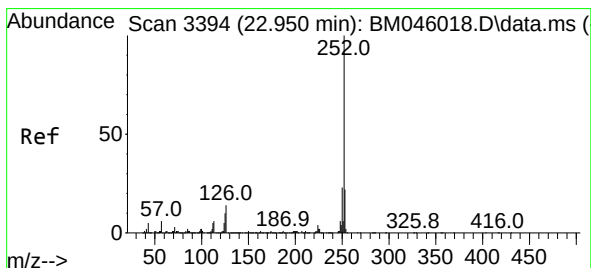
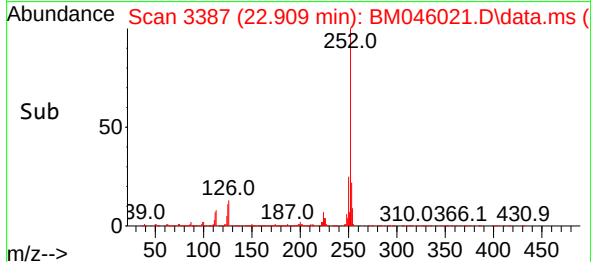
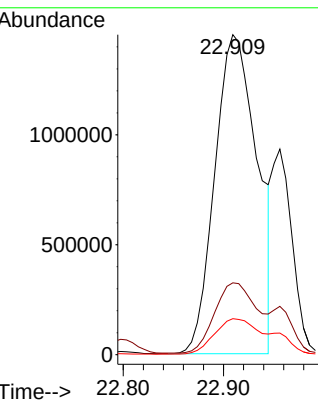
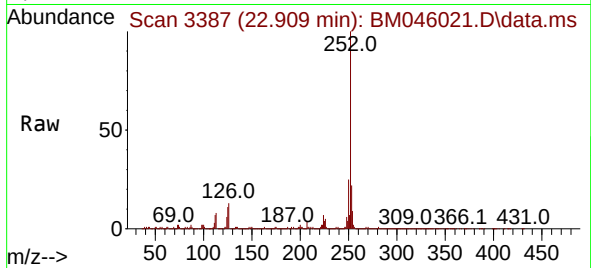
253 22.5 17.8 26.6

125 11.3 8.4 12.6

Manual Integrations

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



#91

Benzo(k)fluoranthene

Concen: 29.708 ng/ul

RT: 22.956 min Scan# 3395

Delta R.T. 0.000 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

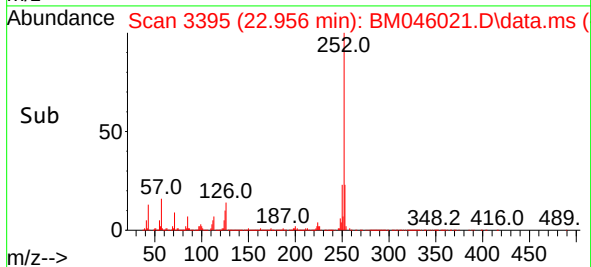
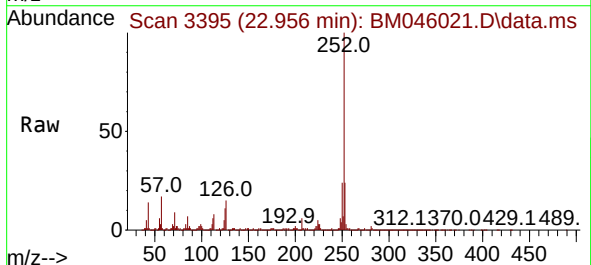
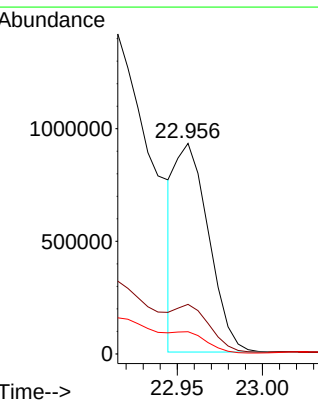
Tgt Ion:252 Resp: 1261094

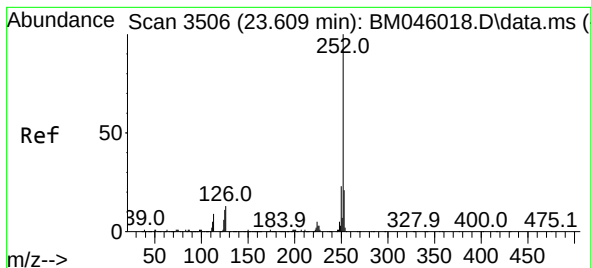
Ion Ratio Lower Upper

252 100

253 23.5 16.8 25.2

125 10.5 8.2 12.4





#93

Benzo(a)pyrene

Concen: 48.598 ng/ul

RT: 23.621 min Scan# 3508

Delta R.T. 0.000 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

Instrument :

BNA_M

ClientSampleId :

BHC50

Tgt Ion:252 Resp: 185599

Ion Ratio Lower Upper

252 100

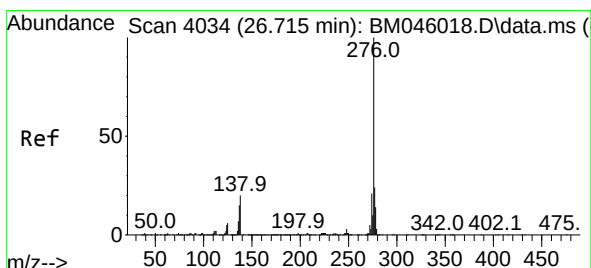
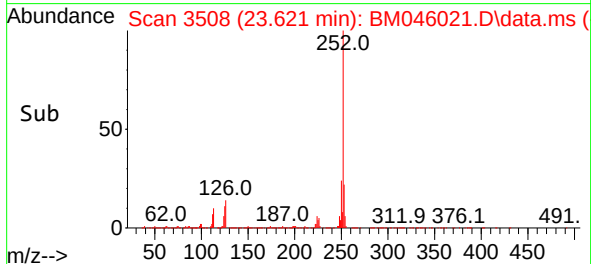
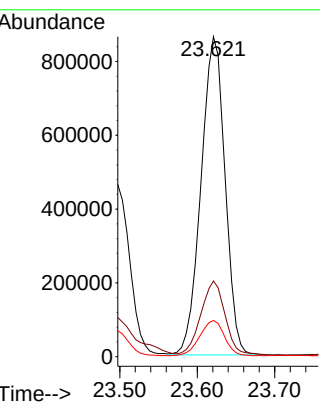
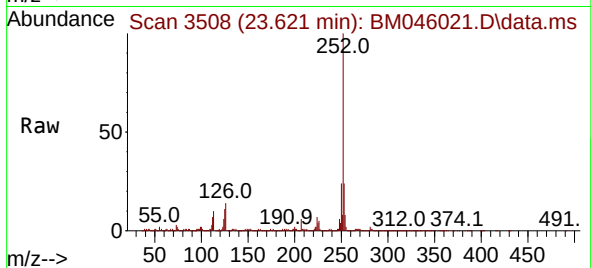
253 23.6 17.5 26.3

125 11.3 9.3 13.9

Manual Integrations

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 40.119 ng/ul

RT: 26.738 min Scan# 4038

Delta R.T. 0.012 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

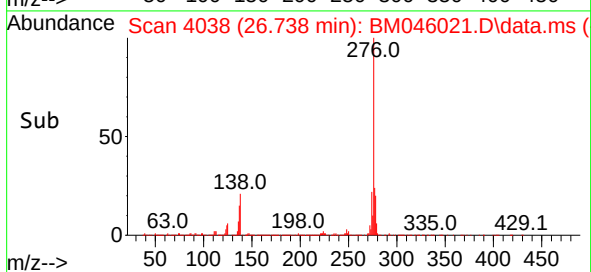
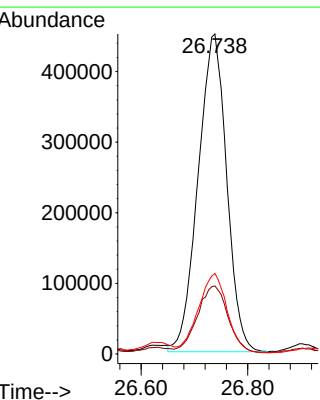
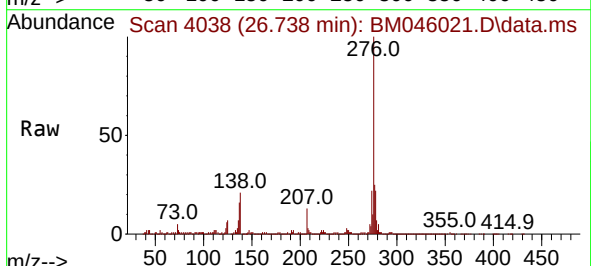
Tgt Ion:276 Resp: 1673243

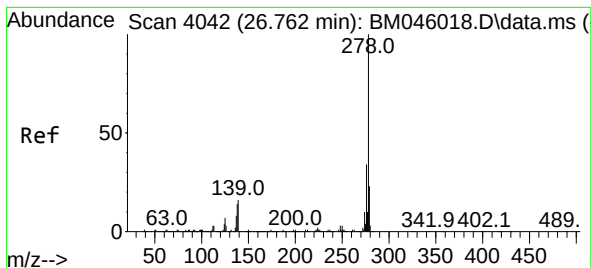
Ion Ratio Lower Upper

276 100

138 21.2 17.9 26.9

277 25.1 19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 16.102 ng/ul

RT: 26.762 min Scan# 4042

Delta R.T. -0.012 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

Instrument :

BNM

ClientSampleId :

BHC50

Tgt Ion:278 Resp: 53116

Ion Ratio Lower Upper

278 100

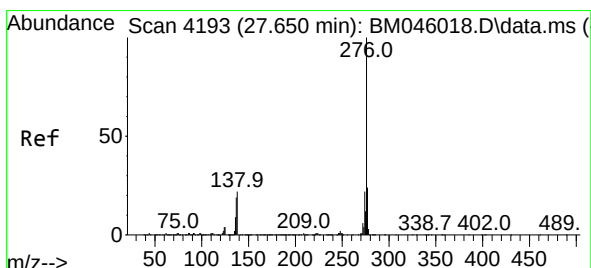
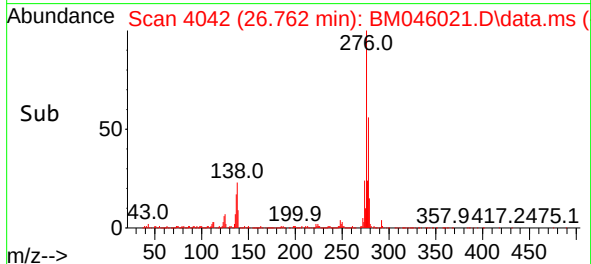
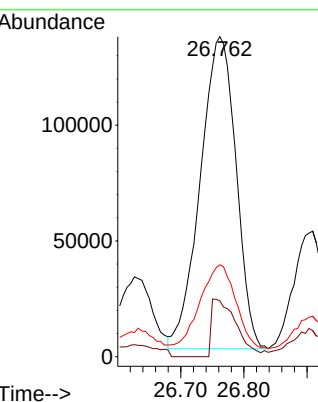
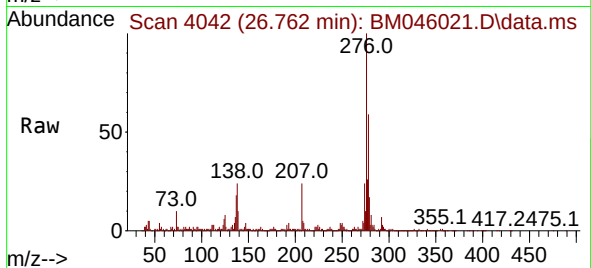
139 17.4 13.2 19.8

279 28.7 19.1 28.7

Manual Integrations

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



#96

Benzo(g,h,i)perylene

Concen: 12.060 ng/ul

RT: 27.656 min Scan# 4194

Delta R.T. 0.000 min

Lab File: BM046021.D

Acq: 13 Jun 2024 13:19

Tgt Ion:276 Resp: 443004

Ion Ratio Lower Upper

276 100

138 23.5 18.6 27.8

277 25.3 18.7 28.1

