

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046012.D
 Acq On : 13 Jun 2024 01:14
 Operator : MA/JU
 Sample : P2659-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHC40

Manual Integrations
 APPROVED

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

Quant Time: Jun 13 04:41:59 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	198636	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	830215	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.074	164	501294	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.821	188	947800	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	639154	20.000	ng/u1	0.00
88) Perylene-d12	23.739	264	743567	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	17552	3.426	ng/uL	0.00
4) Pyridine-d5	3.458	84	80136	6.075	ng/u1	0.00
7) Phenol-d5	6.687	99	408835	24.228	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.798	67	310012	25.584	ng/u1	0.00
11) 2-Chlorophenol-d4	6.993	132	331900	26.331	ng/u1	0.00
15) 4-Methylphenol-d8	8.204	113	255729	20.059	ng/u1	0.00
21) Nitrobenzene-d5	8.598	128	175172	26.986	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	191116	29.091	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	325008	26.382	ng/u1	0.00
31) 4-Chloroaniline-d4	10.392	131	135558	7.951	ng/u1	0.00
46) Dimethylphthalate-d6	13.527	166	1006320	28.997	ng/u1	0.00
49) Acenaphthylene-d8	13.769	160	1137355	28.222	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	104551	13.959	ng/u1	0.00
60) Fluorene-d10	15.080	176	842407	28.453	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.221	200	100460	20.757	ng/u1	0.00
73) Anthracene-d10	16.921	188	1188752	28.851	ng/u1	0.00
81) Pyrene-d10	19.227	212	1002164	25.213	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.556	264	695054	20.000	ng/u1	0.00
Target Compounds	Qvalue					
16) Acetophenone	8.281	105	28323	1.333	ng/u1	92
30) Naphthalene	10.251	128	56101	1.267	ng/u1	96
36) 2-Methylnaphthalene	11.875	142	31847	1.086	ng/u1	93
37) 1-Methylnaphthalene	12.098	142	35806	1.221	ng/u1#	99
50) Acenaphthylene	13.798	152	257267	5.516	ng/u1	98
52) Acenaphthene	14.145	153	45312	1.456	ng/u1	96
61) Fluorene	15.133	166	85730	2.535	ng/u1#	99
72) Phenanthrene	16.868	178	2023014	40.508	ng/u1	99
74) Anthracene	16.957	178	330212	6.620	ng/u1	99
77) Carbazole	17.245	167	127231	2.989	ng/u1	99
78) Di-n-butylphthalate	17.815	149	165924	2.964	ng/u1	98
80) Fluoranthene	18.892	202	3492566	72.480	ng/u1	99
82) Pyrene	19.256	202	2645815	53.442	ng/u1	99
83) Butylbenzylphthalate	20.180	149	81876	4.058	ng/u1	90
85) Benzo(a)anthracene	21.021	228	1377052	31.203	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	20.968	149	424534	14.162	ng/u1	98
87) Chrysene	21.080	228	1462878	35.832	ng/u1	98
90) Benzo(b)fluoranthene	22.903	252	1888107	41.319	ng/u1	99
91) Benzo(k)fluoranthene	22.950	252	585089	13.109	ng/u1	98
93) Benzo(a)pyrene	23.615	252	773487	19.263	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	26.721	276	697052	15.896	ng/u1	100
95) Dibenzo(a,h)anthracene	26.756	278	240835	6.944	ng/u1#	91
96) Benzo(g,h,i)perylene	27.644	276	101161m	2.619	ng/u1	

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

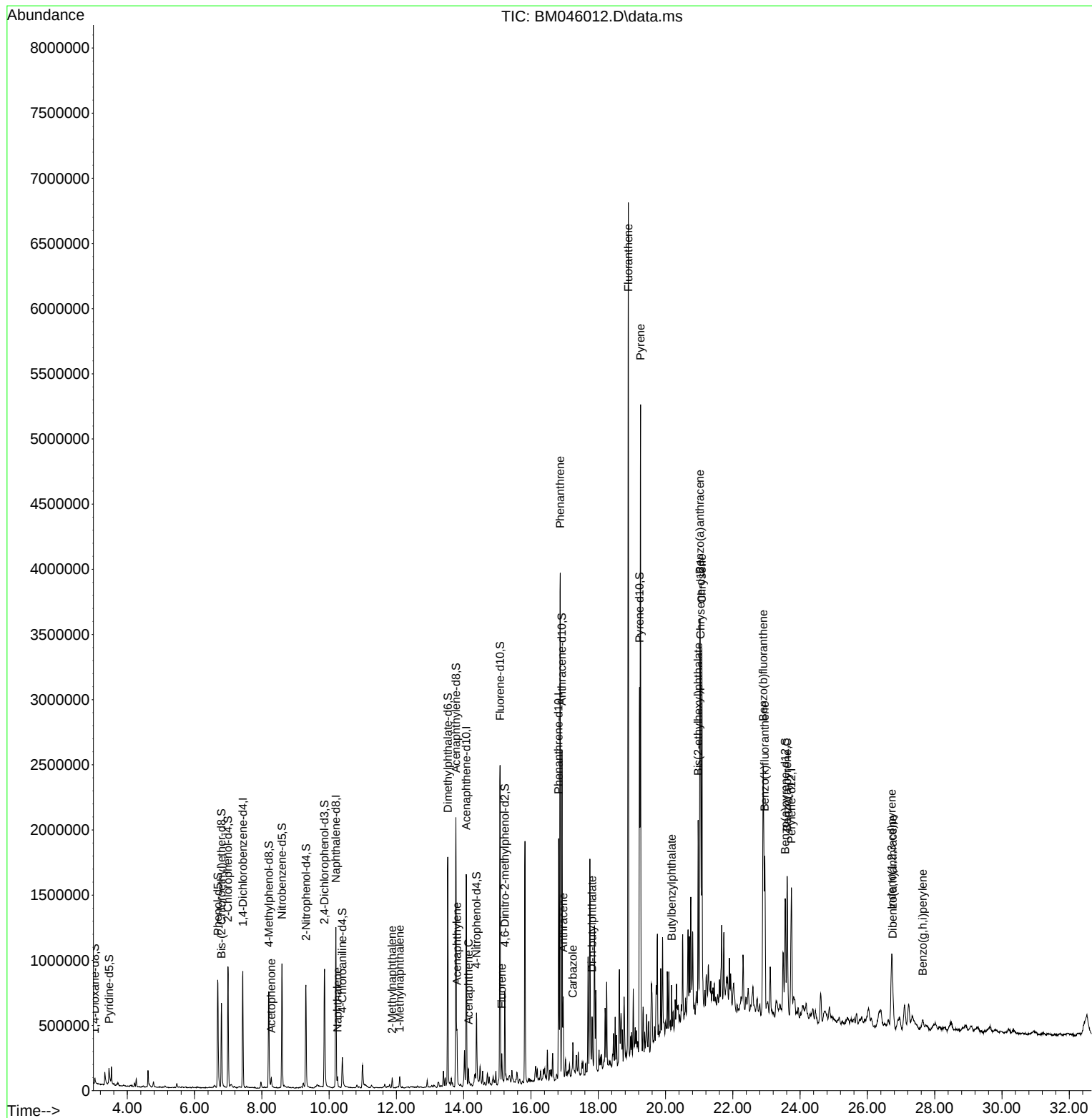
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
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ALS Vial : 12 Sample Multiplier: 1

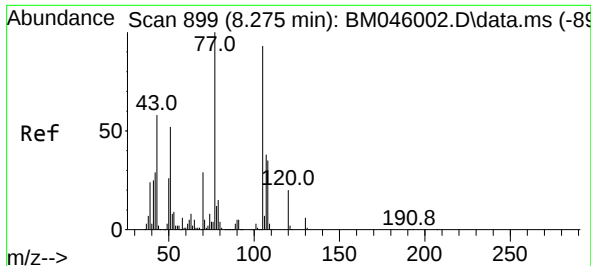
Instrument :
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Quant Time: Jun 13 04:41:59 2024
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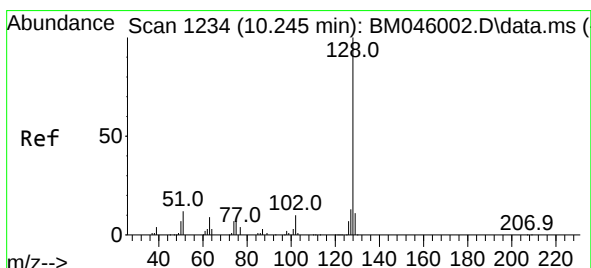
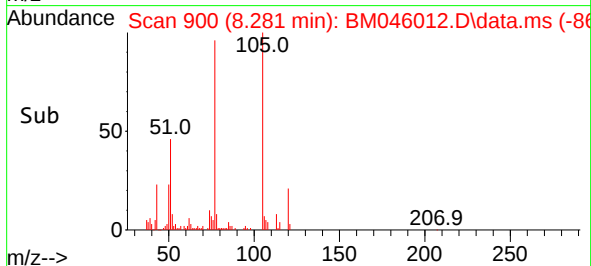
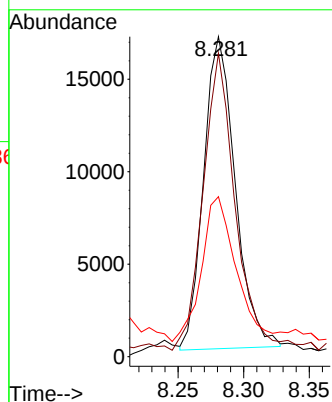
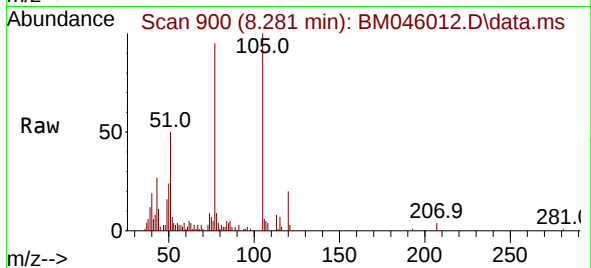
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Acetophenone
Concen: 1.333 ng/ul
RT: 8.281 min Scan# 900
Delta R.T. 0.006 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14

Instrument :
BNA_M
ClientSampleId :
BHC40

Tgt Ion:105 Resp: 2832
Ion Ratio Lower Upper
105 100
77 94.8 84.7 127.1
51 50.0 39.4 59.0

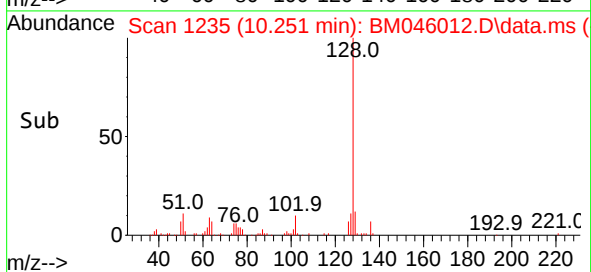
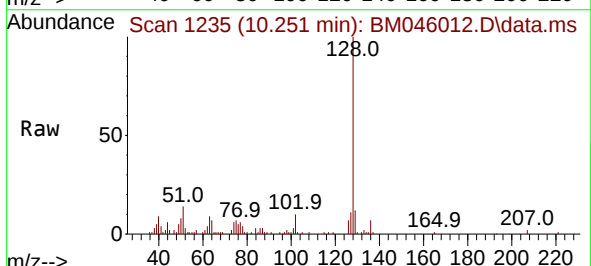
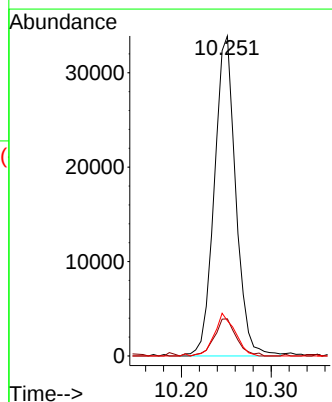
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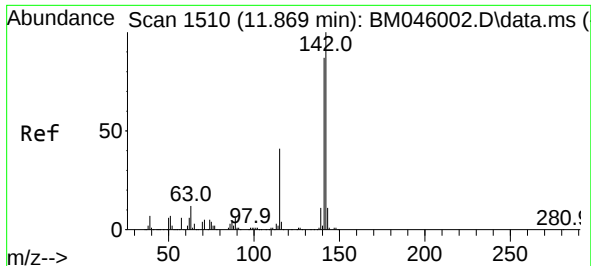
Reviewed By :Jagrut Upadhyay 06/13/2024
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#30
Naphthalene
Concen: 1.267 ng/ul
RT: 10.251 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14

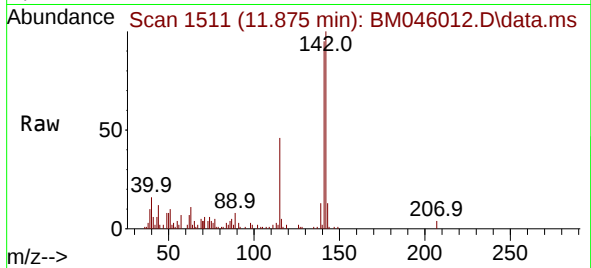
Tgt Ion:128 Resp: 56101
Ion Ratio Lower Upper
128 100
129 11.6 8.3 12.5
127 11.0 10.3 15.5





#36
2-Methylnaphthalene
Concen: 1.086 ng/ul
RT: 11.875 min Scan# 1511
Delta R.T. 0.000 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14

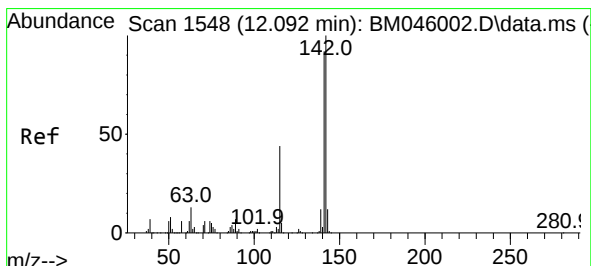
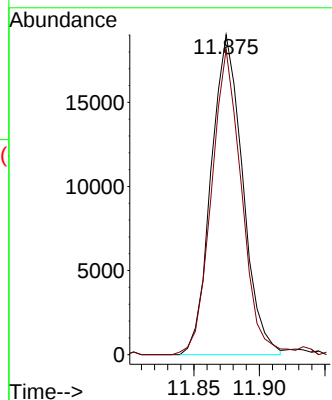
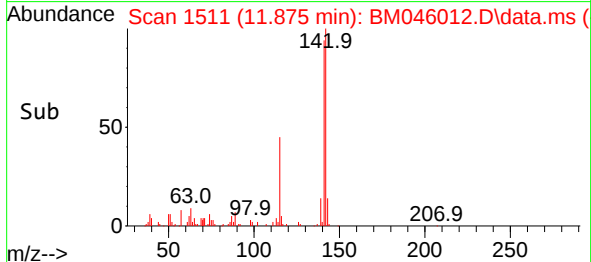
Instrument :
BNA_M
ClientSampleId :
BHC40



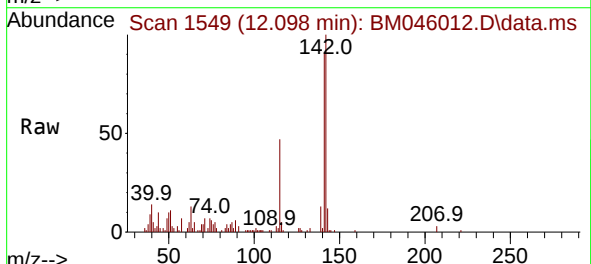
Tgt Ion:142 Resp: 3184
Ion Ratio Lower Upper
142 100
141 95.4 71.1 106.7

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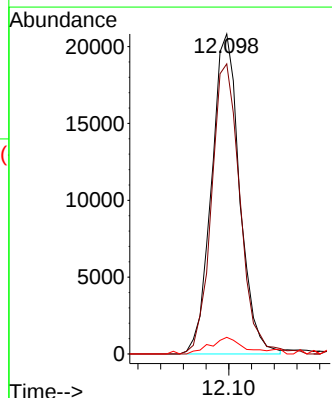
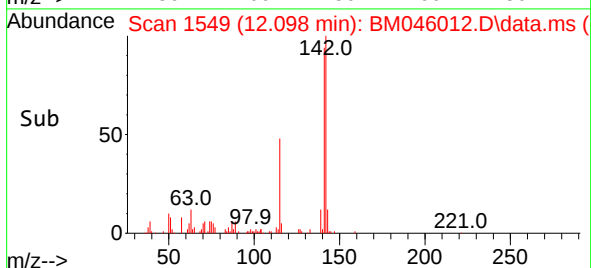
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

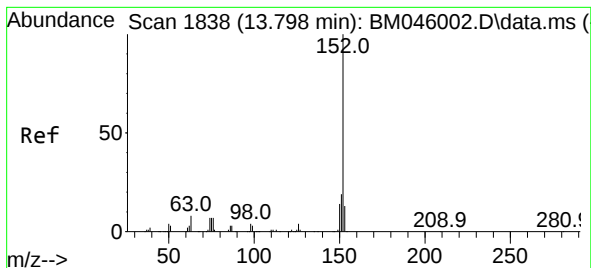


#37
1-Methylnaphthalene
Concen: 1.221 ng/ul
RT: 12.098 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14



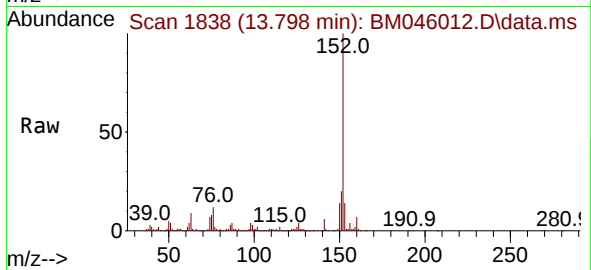
Tgt Ion:142 Resp: 35806
Ion Ratio Lower Upper
142 100
141 90.7 73.5 110.3
116 5.2 3.3 4.9#





#50
Acenaphthylene
Concen: 5.516 ng/ul
RT: 13.798 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14

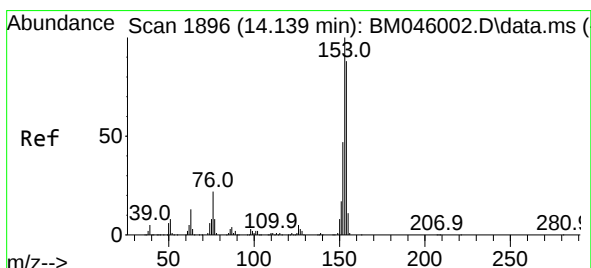
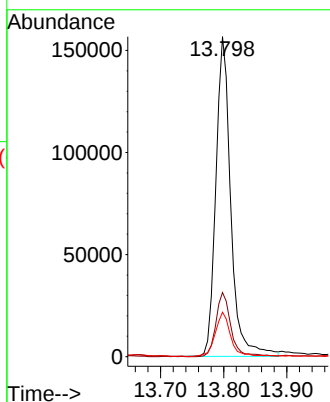
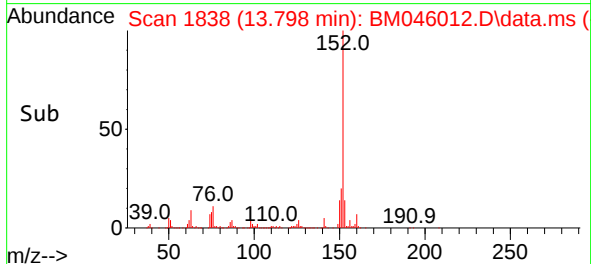
Instrument :
BNA_M
ClientSampleId :
BHC40



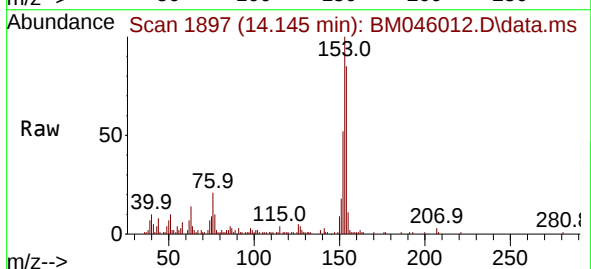
Tgt Ion:152 Resp: 25726
Ion Ratio Lower Upper
152 100
151 20.0 15.6 23.4
153 13.9 10.4 15.6

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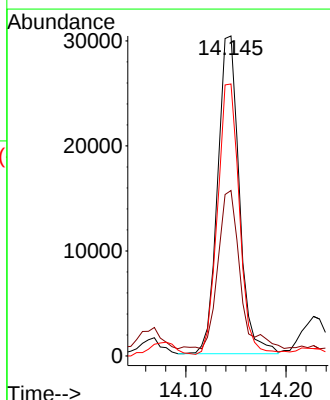
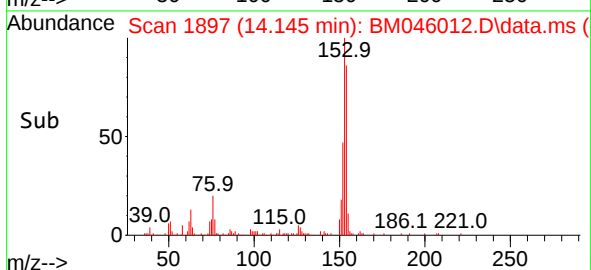
Reviewed By :Jagrut Upadhyay 06/13/2024
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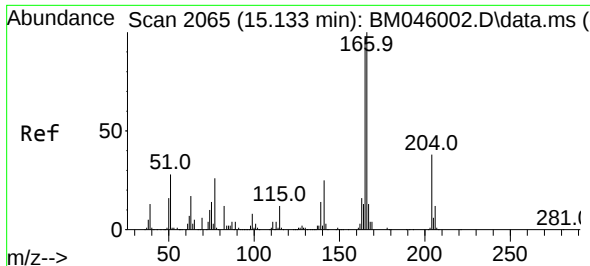


#52
Acenaphthene
Concen: 1.456 ng/ul
RT: 14.145 min Scan# 1897
Delta R.T. 0.000 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14



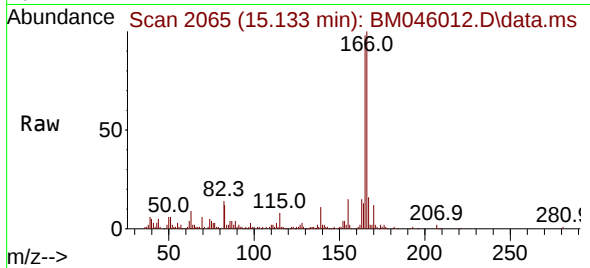
Tgt Ion:153 Resp: 45312
Ion Ratio Lower Upper
153 100
152 51.7 38.6 58.0
154 85.0 70.7 106.1





#61
Fluorene
Concen: 2.535 ng/ul
RT: 15.133 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14

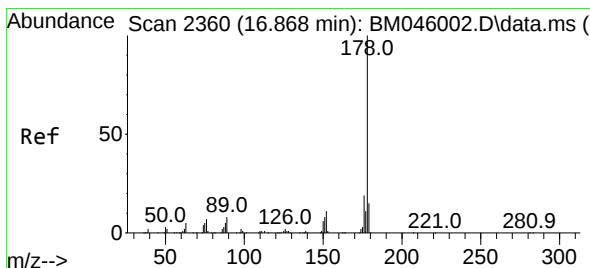
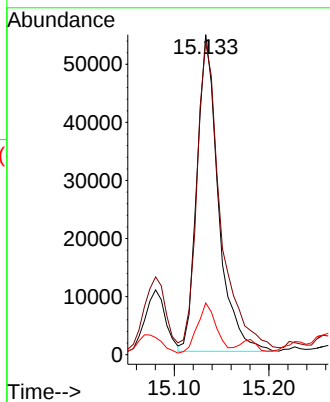
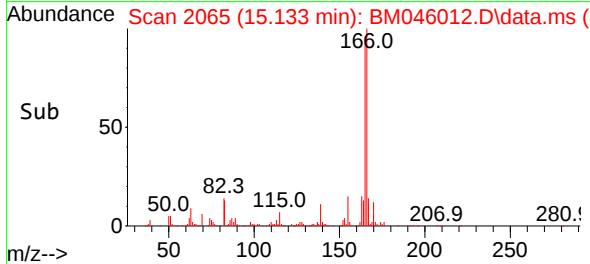
Instrument :
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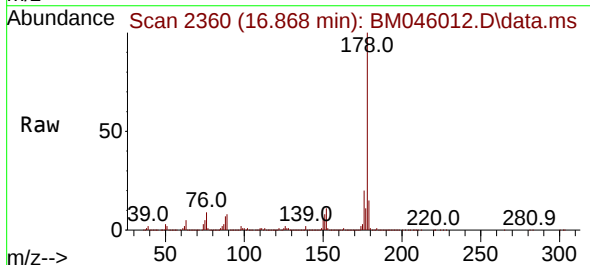
Tgt Ion:166 Resp: 85730
Ion Ratio Lower Upper
166 100
165 97.6 78.1 117.1
167 16.1 10.6 16.0

Manual Integrations
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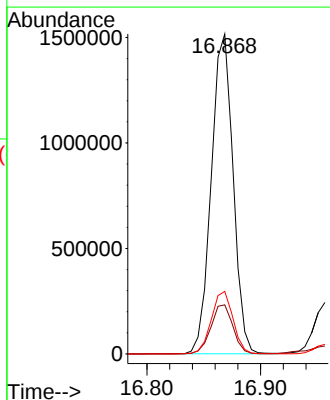
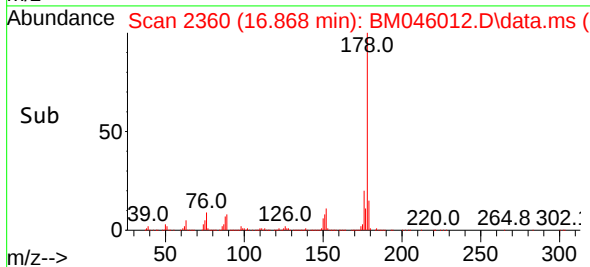
Reviewed By :Jagrut Upadhyay 06/13/2024
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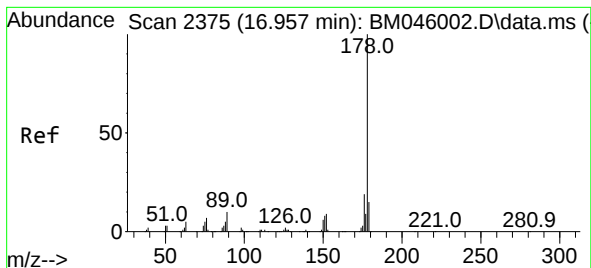


#72
Phenanthrene
Concen: 40.508 ng/ul
RT: 16.868 min Scan# 2360
Delta R.T. 0.000 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14



Tgt Ion:178 Resp: 2023014
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 19.5 15.3 22.9





#74

Anthracene

Concen: 6.620 ng/ul

RT: 16.957 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM046012.D

Acq: 13 Jun 2024 01:14

Instrument :

BNA_M

ClientSampleId :

BHC40

Tgt Ion:178 Resp: 33021

Ion Ratio Lower Upper

178 100

179 15.7 12.0 18.0

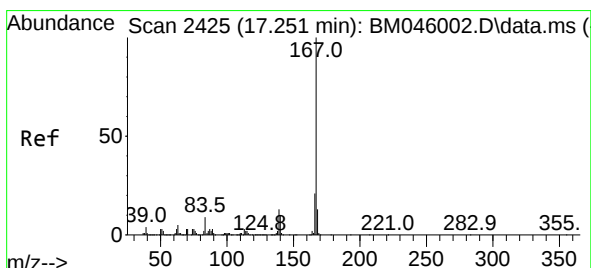
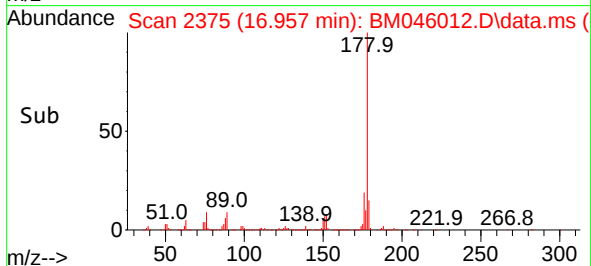
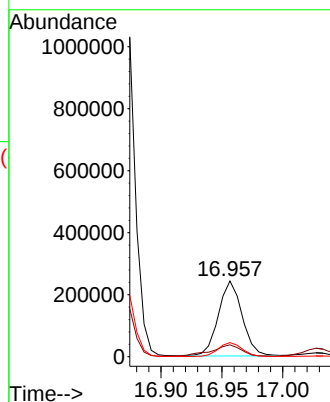
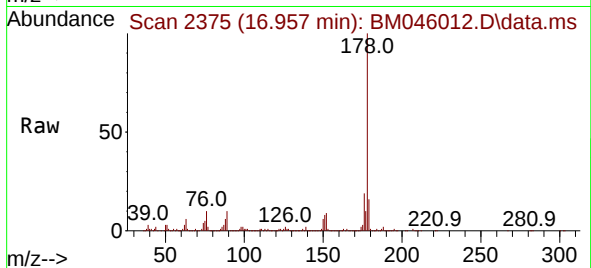
176 18.7 15.0 22.6

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#77

Carbazole

Concen: 2.989 ng/ul

RT: 17.245 min Scan# 2424

Delta R.T. -0.012 min

Lab File: BM046012.D

Acq: 13 Jun 2024 01:14

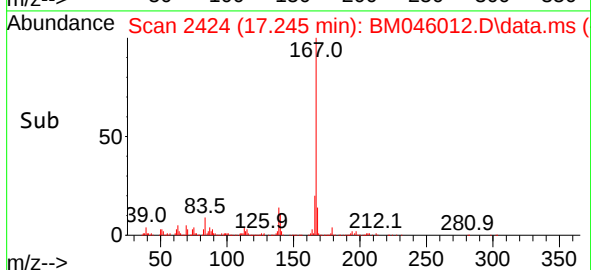
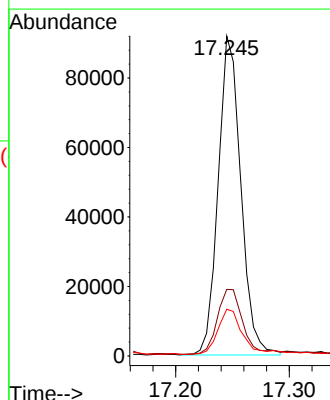
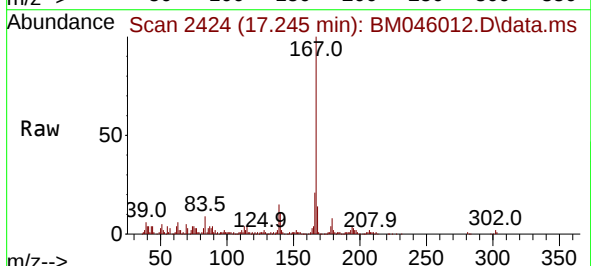
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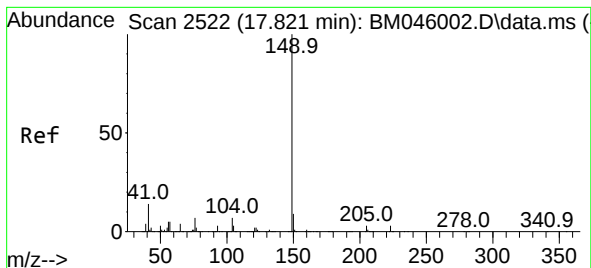
Ion Ratio Lower Upper

167 100

166 20.8 16.6 24.8

139 14.6 10.6 16.0





#78

Di-n-butylphthalate

Concen: 2.964 ng/ul

RT: 17.815 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM046012.D

Acq: 13 Jun 2024 01:14

Instrument :

BNA_M

ClientSampleId :

BHC40

Tgt Ion:149 Resp: 165924

Ion Ratio Lower Upper

149 100

150 9.7 7.1 10.7

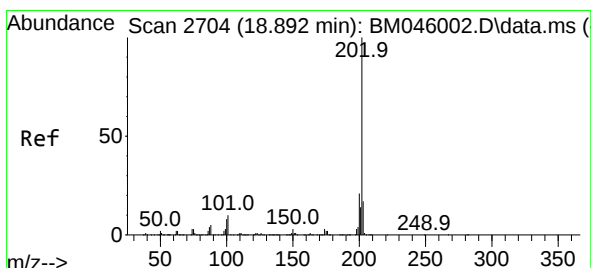
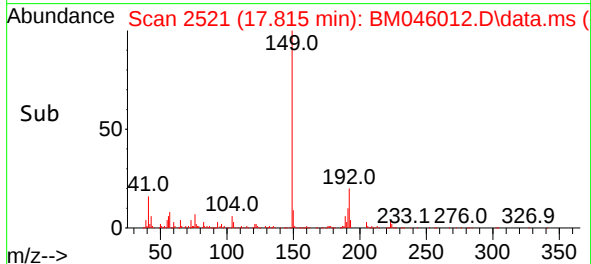
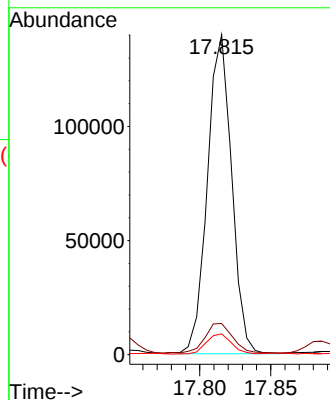
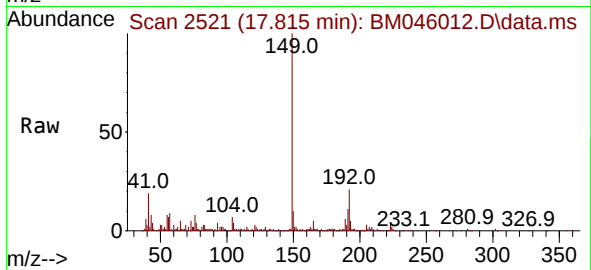
104 6.5 4.9 7.3

Manual Integrations

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Supervised By :mohammad ahmed 06/15/2024



#80

Fluoranthene

Concen: 72.480 ng/ul

RT: 18.892 min Scan# 2704

Delta R.T. 0.000 min

Lab File: BM046012.D

Acq: 13 Jun 2024 01:14

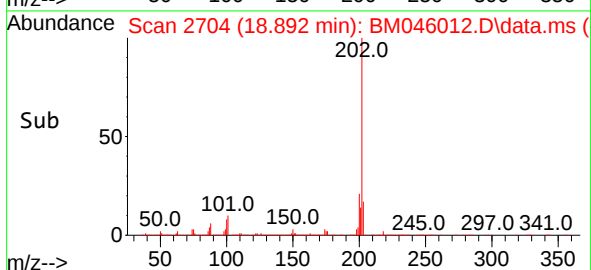
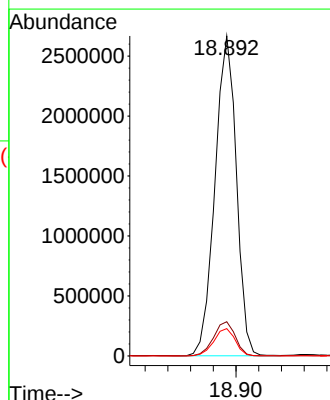
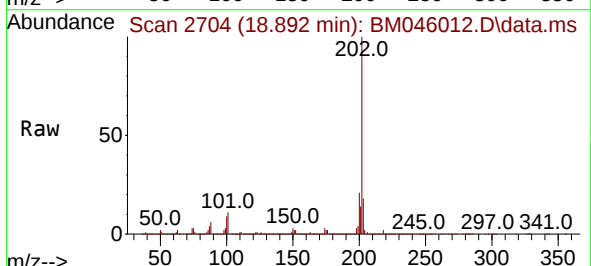
Tgt Ion:202 Resp: 3492566

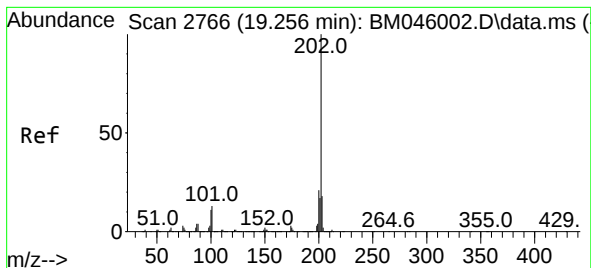
Ion Ratio Lower Upper

202 100

101 10.7 8.9 13.3

100 8.6 6.6 10.0





#82

Pyrene

Concen: 53.442 ng/ul

RT: 19.256 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM046012.D

Acq: 13 Jun 2024 01:14

Instrument :

BNA_M

ClientSampleId :

BHC40

Tgt Ion:202 Resp: 264581

Ion Ratio Lower Upper

202 100

101 12.7 10.5 15.7

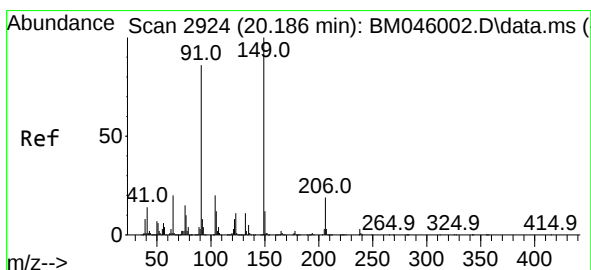
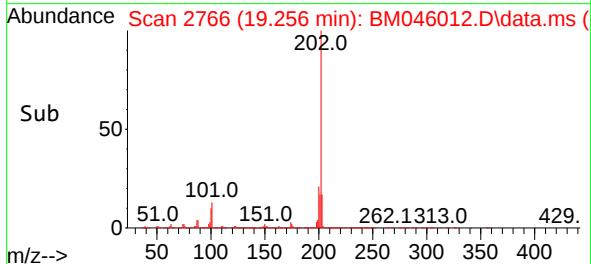
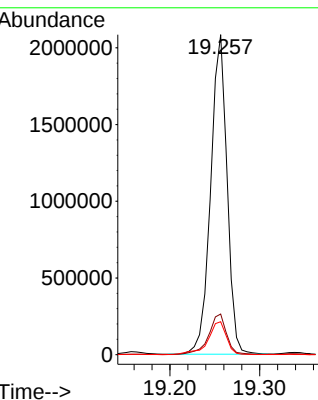
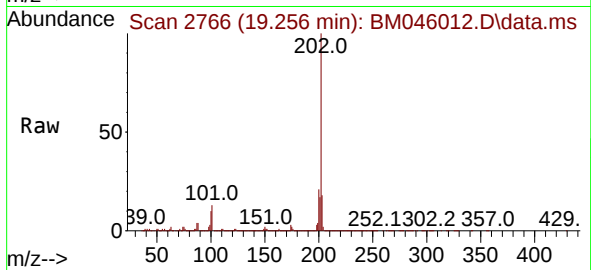
100 10.3 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024

Supervised By :mohammad ahmed 06/15/2024



#83

Butylbenzylphthalate

Concen: 4.058 ng/ul

RT: 20.180 min Scan# 2923

Delta R.T. -0.006 min

Lab File: BM046012.D

Acq: 13 Jun 2024 01:14

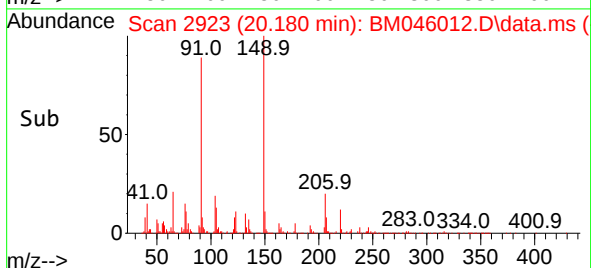
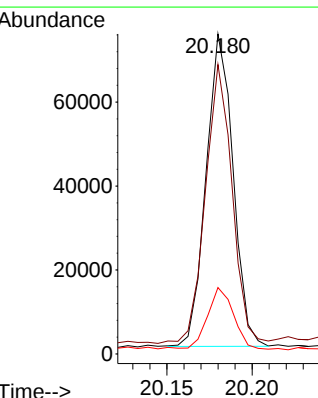
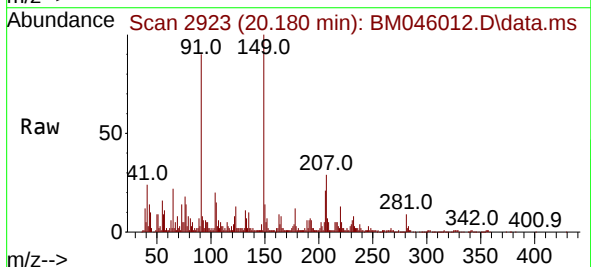
Tgt Ion:149 Resp: 81876

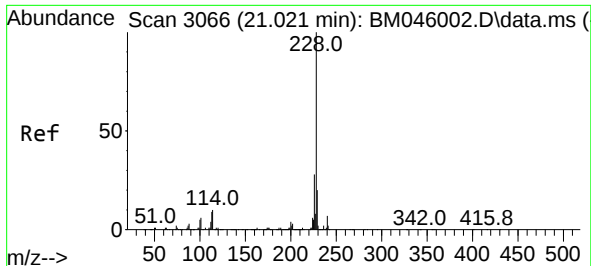
Ion Ratio Lower Upper

149 100

91 90.5 63.7 95.5

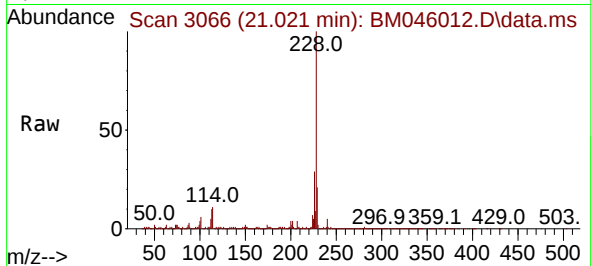
206 20.7 15.9 23.9





#85
Benzo(a)anthracene
Concen: 31.203 ng/ul
RT: 21.021 min Scan# 3066
Delta R.T. -0.006 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14

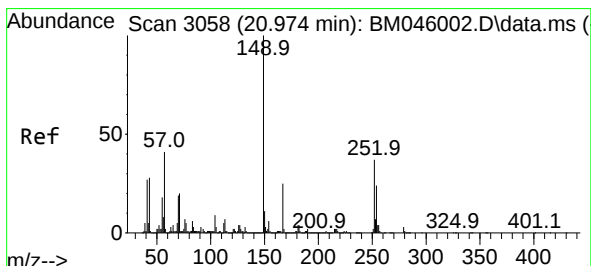
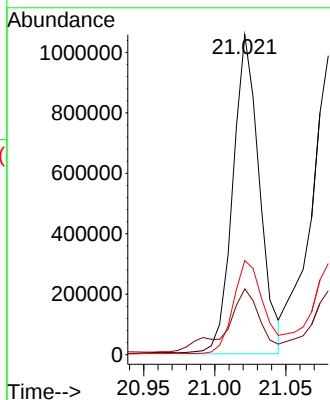
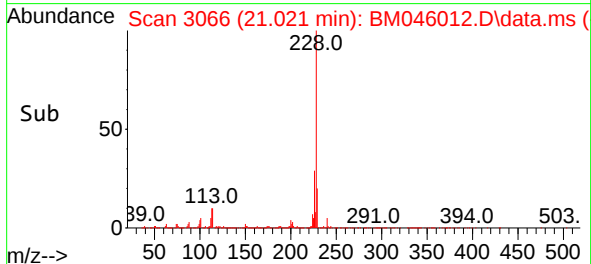
Instrument :
BNA_M
ClientSampleId :
BHC40



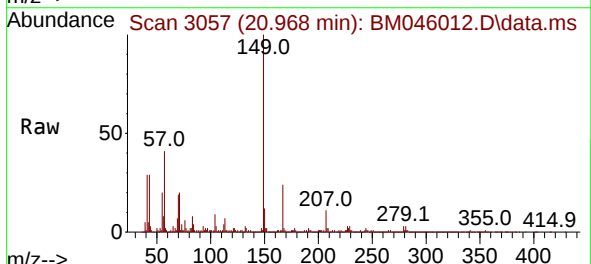
Tgt Ion:228 Resp: 1377052
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.8
226 29.4 21.4 32.0

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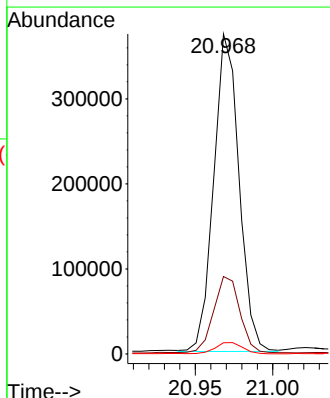
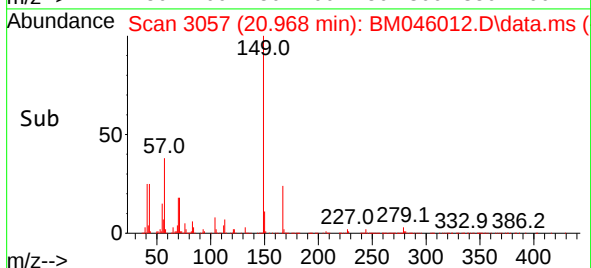
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

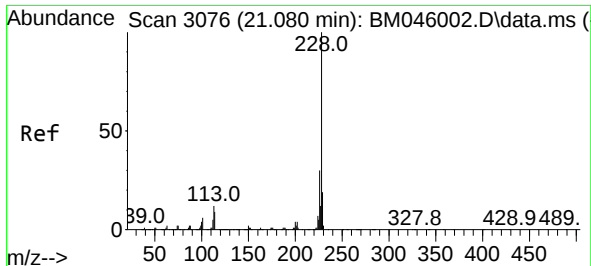


#86
Bis(2-ethylhexyl)phthalate
Concen: 14.162 ng/ul
RT: 20.968 min Scan# 3057
Delta R.T. -0.012 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14



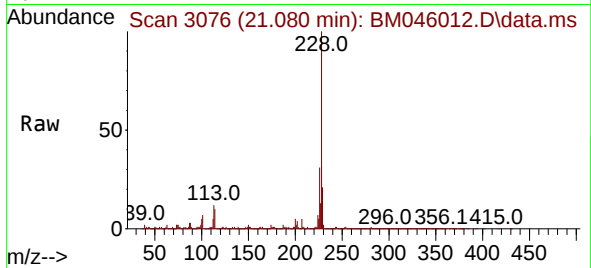
Tgt Ion:149 Resp: 424534
Ion Ratio Lower Upper
149 100
167 24.2 20.4 30.6
279 3.5 3.1 4.7





#87
Chrysene
Concen: 35.832 ng/ul
RT: 21.080 min Scan# 3076
Delta R.T. -0.006 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14

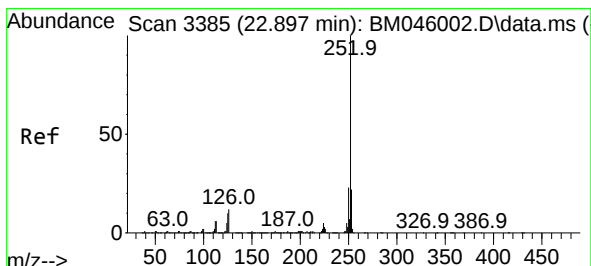
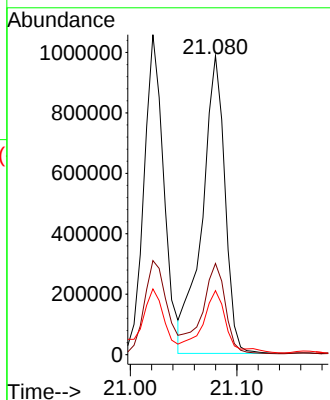
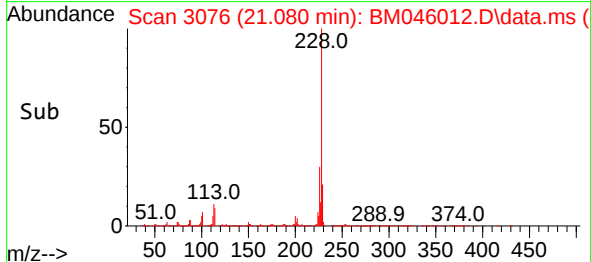
Instrument :
BNA_M
ClientSampleId :
BHC40



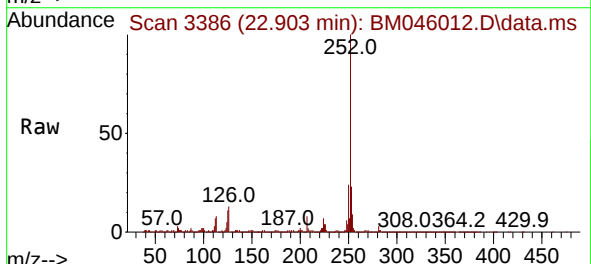
Tgt Ion:228 Resp: 1462878
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 21.4 15.2 22.8

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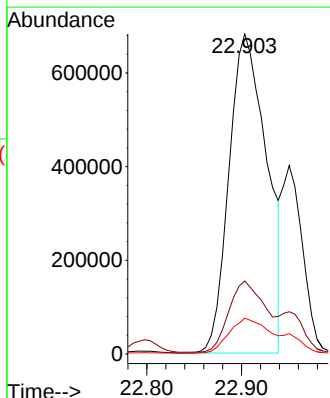
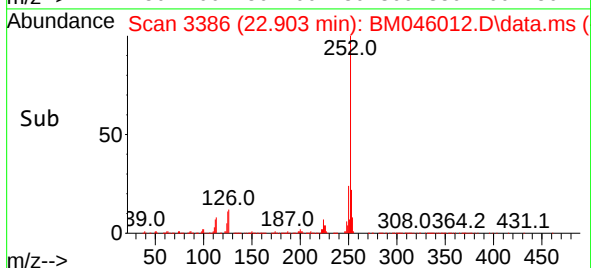
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

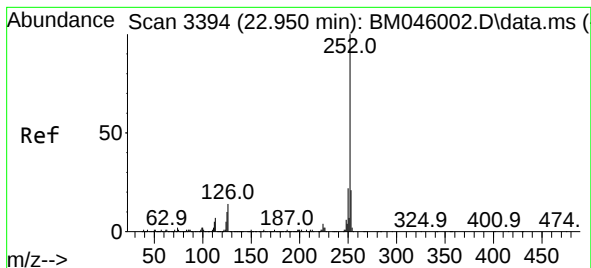


#90
Benzo(b)fluoranthene
Concen: 41.319 ng/ul
RT: 22.903 min Scan# 3386
Delta R.T. 0.000 min
Lab File: BM046012.D
Acq: 13 Jun 2024 01:14



Tgt Ion:252 Resp: 1888107
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.2 8.4 12.6





#91

Benzo(k)fluoranthene

Concen: 13.109 ng/u1

RT: 22.950 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM046012.D

Acq: 13 Jun 2024 01:14

Instrument :

BNA_M

ClientSampleId :

BHC40

Tgt Ion:252 Resp: 585089

Ion Ratio Lower Upper

252 100

253 22.4 16.8 25.2

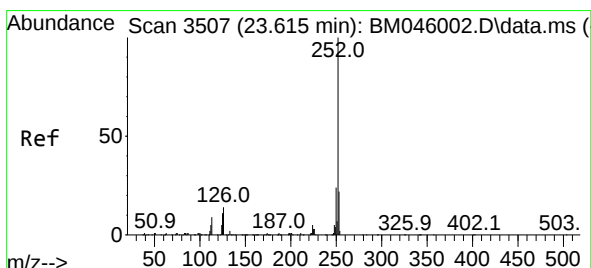
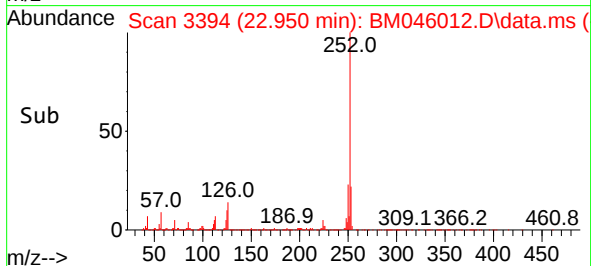
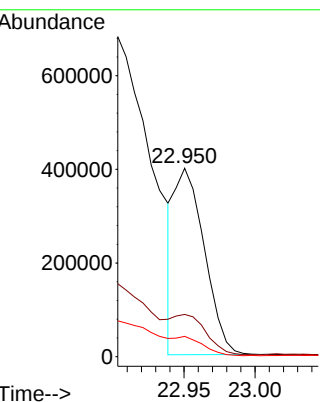
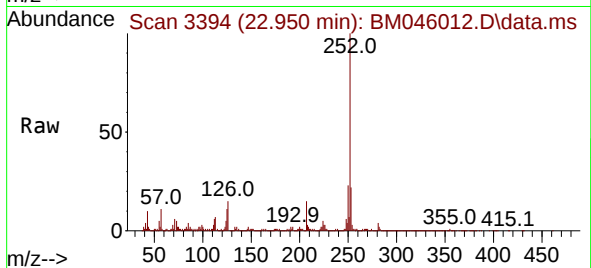
125 10.7 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024

Supervised By :mohammad ahmed 06/15/2024



#93

Benzo(a)pyrene

Concen: 19.263 ng/u1

RT: 23.615 min Scan# 3507

Delta R.T. -0.006 min

Lab File: BM046012.D

Acq: 13 Jun 2024 01:14

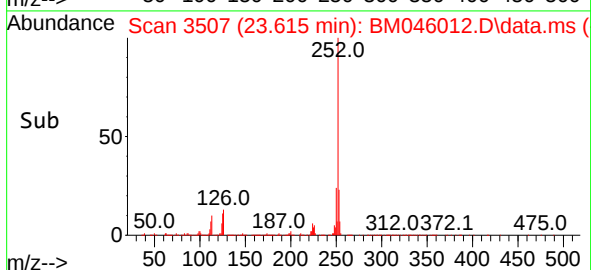
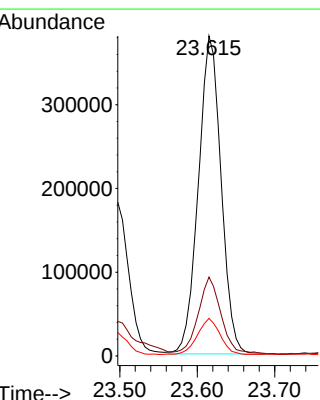
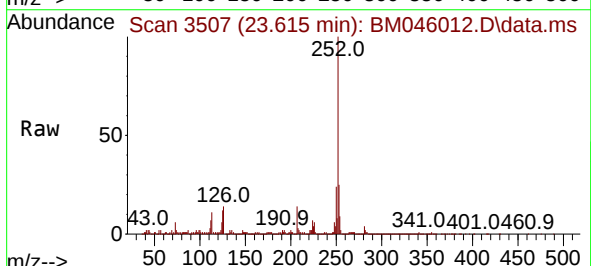
Tgt Ion:252 Resp: 773487

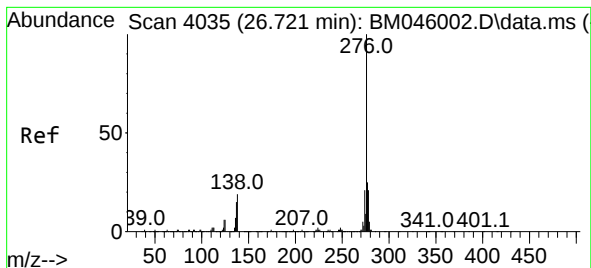
Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 11.7 9.3 13.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 15.896 ng/ul

RT: 26.721 min Scan# 4035

Delta R.T. -0.006 min

Lab File: BM046012.D

Acq: 13 Jun 2024 01:14

Instrument :

BNA_M

ClientSampleId :

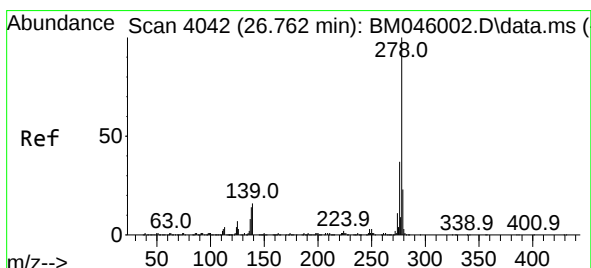
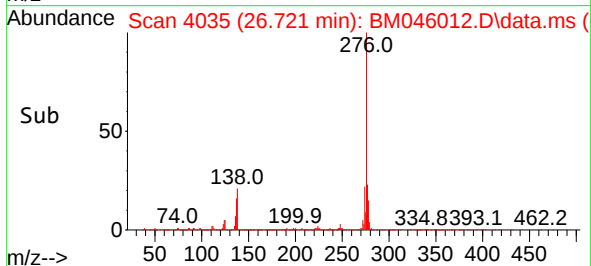
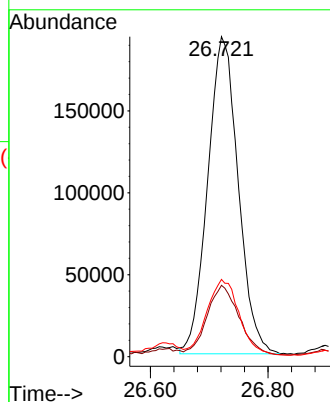
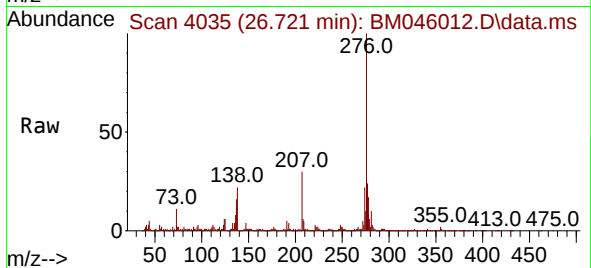
BHC40

Tgt Ion:	276	Resp:	69705
Ion Ratio	Lower	Upper	
276	100		
138	22.3	17.9	26.9
277	24.1	19.0	28.6

Manual Integrations

APPROVED

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



#95

Dibenzo(a,h)anthracene

Concen: 6.944 ng/ul

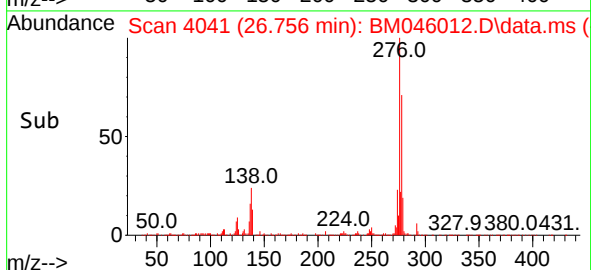
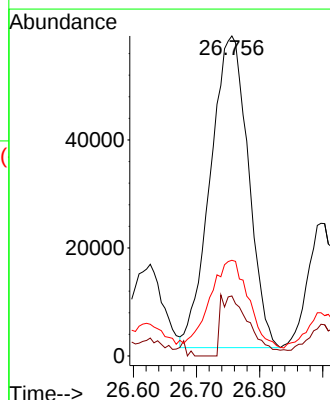
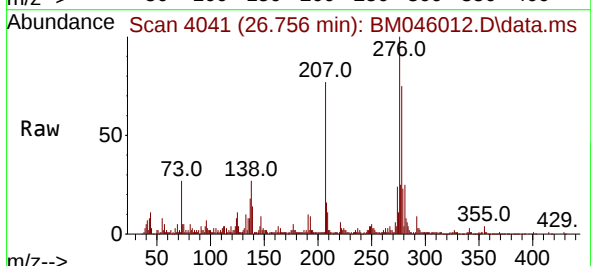
RT: 26.756 min Scan# 4041

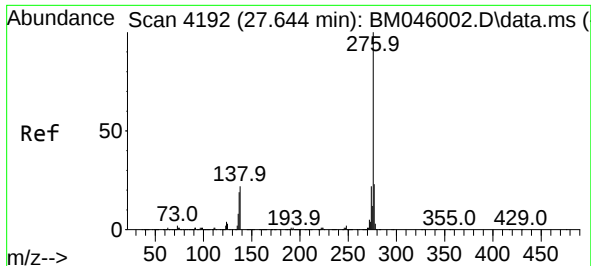
Delta R.T. -0.018 min

Lab File: BM046012.D

Acq: 13 Jun 2024 01:14

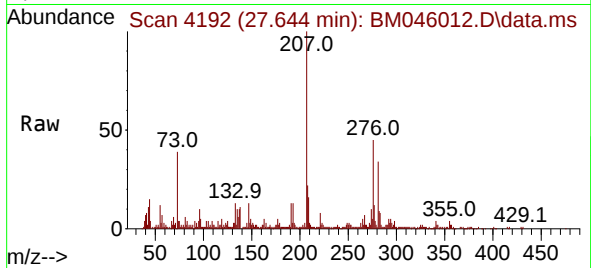
Tgt Ion:	278	Resp:	240835
Ion Ratio	Lower	Upper	
278	100		
139	18.8	13.2	19.8
279	29.9	19.1	28.7





#96
 Benzo(g,h,i)perylene
 Concen: 2.619 ng/ul m
 RT: 27.644 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: BM046012.D
 Acq: 13 Jun 2024 01:14

Instrument :
 BNA_M
 ClientSampleId :
 BHC40



Tgt Ion:276 Resp: 10116
 Ion Ratio Lower Upper
 276 100
 138 25.6 18.6 27.8
 277 26.3 18.7 28.1

Manual Integrations
 APPROVED

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

