

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018946.D
 Acq On : 19 Dec 2023 13:59
 Operator : MA/JU
 Sample : 05794-09DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q3DL

Quant Time: Dec 20 00:27:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 19 05:28:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/20/2023
 Supervised By :mohammad ahmed 12/20/2023

12/20/2023
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	220740	20.000	ng/u1	0.00
20) Naphthalene-d8	10.622	136	756497	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	437656	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	1035325	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1130382	20.000	ng/u1	-0.01
88) Perylene-d12	23.674	264	1362496	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	3876	0.598	ng/uL	0.00
4) Pyridine-d5	3.670	84	208	0.012	ng/u1	-0.01
7) Phenol-d5	7.005	99	52801	2.384	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.164	67	33580	2.558	ng/u1	0.00
11) 2-Chlorophenol-d4	7.358	132	45174	2.613	ng/u1	-0.01
15) 4-Methylphenol-d8	8.546	113	31775	1.772	ng/u1	-0.01
21) Nitrobenzene-d5	8.993	128	19960	2.964	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	18797	2.693	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	39952	2.799	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	23534	1.262	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	116456	2.981	ng/u1	0.00
49) Acenaphthylene-d8	14.151	160	136619	3.176	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.693	143	8786m	1.370	ng/u1	0.00
60) Fluorene-d10	15.451	176	110954	3.384	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.310	188	188317	3.460	ng/u1	0.00
81) Pyrene-d10	19.551	212	253963	2.886	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.516	264	269312	3.390	ng/u1	-0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.658	105	54390	2.036	ng/u1	99
30) Naphthalene	10.669	128	60123	1.310	ng/u1	99
36) 2-Methylnaphthalene	12.281	142	35224	1.083	ng/u1	93
37) 1-Methylnaphthalene	12.504	142	39006	1.188	ng/u1	97
50) Acenaphthylene	14.181	152	165359	3.419	ng/u1	99
52) Acenaphthene	14.522	153	71858	2.247	ng/u1	98
56) Dibenzofuran	14.857	168	142533	3.207	ng/u1	99
61) Fluorene	15.510	166	80073	2.277	ng/u1	100
72) Phenanthrene	17.257	178	2656881	42.490	ng/u1	99
74) Anthracene	17.345	178	556554	8.880	ng/u1	100
77) Carbazole	17.622	167	158080	3.165	ng/u1	99
80) Fluoranthene	19.228	202	3581653	34.436	ng/u1	96
82) Pyrene	19.581	202	3055020	29.116	ng/u1	94
85) Benzo(a)anthracene	21.292	228	1687892	18.396	ng/u1	98
87) Chrysene	21.339	228	1458669	17.264	ng/u1	98
90) Benzo(b)fluoranthene	22.951	252	1711071	17.033	ng/u1	97
91) Benzo(k)fluoranthene	22.992	252	638447	6.568	ng/u1	96
93) Benzo(a)pyrene	23.569	252	1261721	13.745	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.133	276	802697	7.319	ng/u1#	94
95) Dibenzo(a,h)anthracene	26.133	278	218817	2.398	ng/u1#	78
96) Benzo(g,h,i)perylene	26.886	276	494807	5.606	ng/u1	95

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

Instrument :

BNA_P

ClientSampleId :

BH3Q3DL

Manual Integrations

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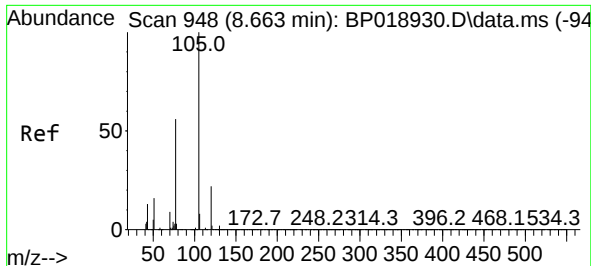
Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023

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ahmed

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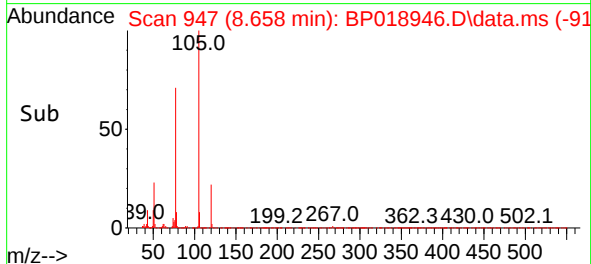
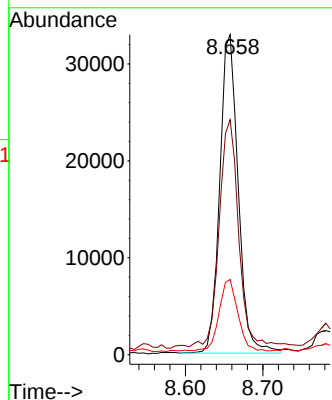
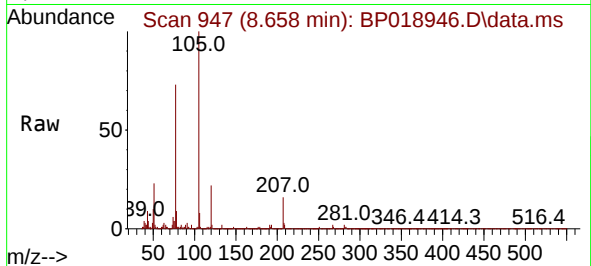
#16
Acetophenone
Concen: 2.036 ng/ul
RT: 8.658 min Scan# 948
Delta R.T. -0.006 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

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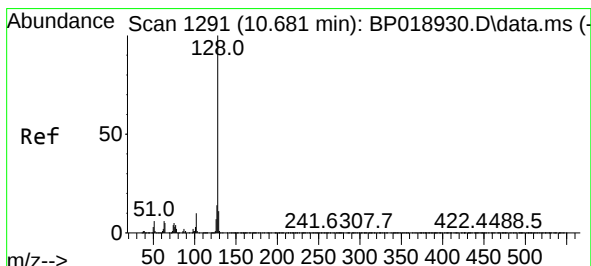
Tgt Ion:105 Resp: 54390
Ion Ratio Lower Upper
105 100
77 73.5 59.4 89.0
51 23.5 19.4 29.0

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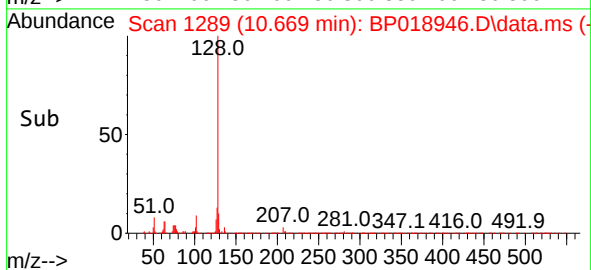
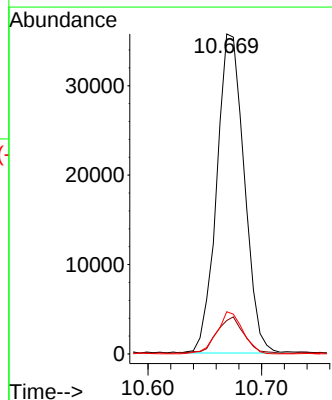
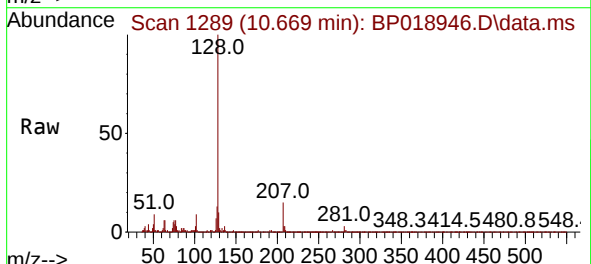


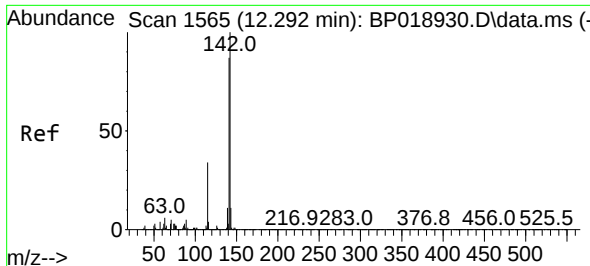
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#30
Naphthalene
Concen: 1.310 ng/ul
RT: 10.669 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

Tgt Ion:128 Resp: 60123
Ion Ratio Lower Upper
128 100
129 10.4 8.9 13.3
127 13.2 10.5 15.7





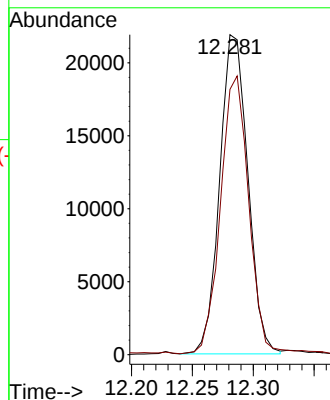
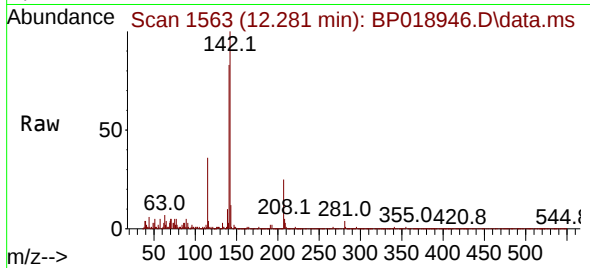
#36
2-Methylnaphthalene
Concen: 1.083 ng/ul
RT: 12.281 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:142 Resp: 35224
Ion Ratio Lower Upper
142 100
141 82.9 71.4 107.0

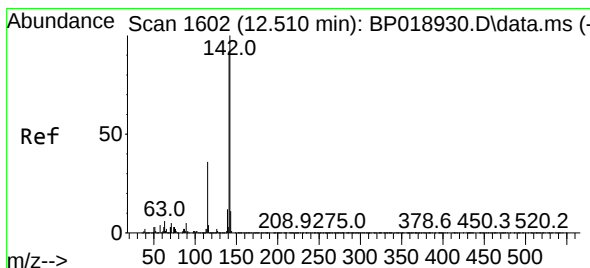
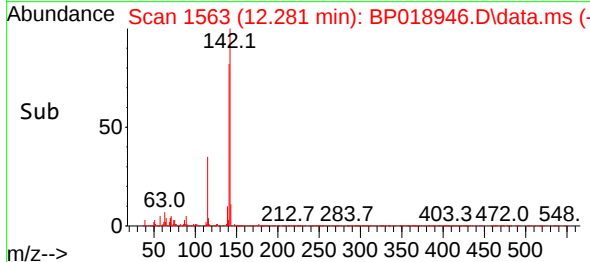
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Supervised By :mohammad ahmed 12/20/2023



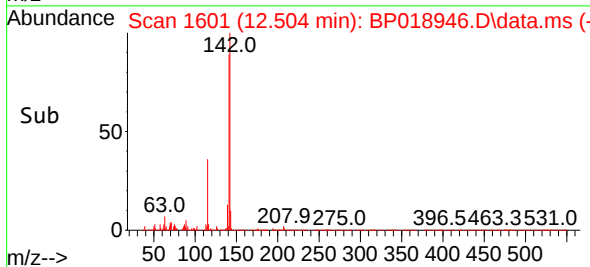
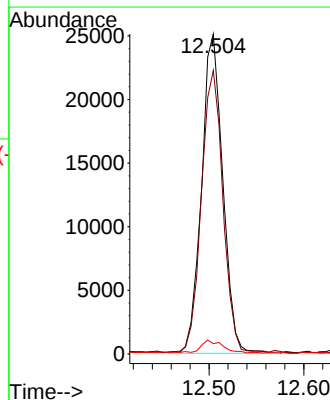
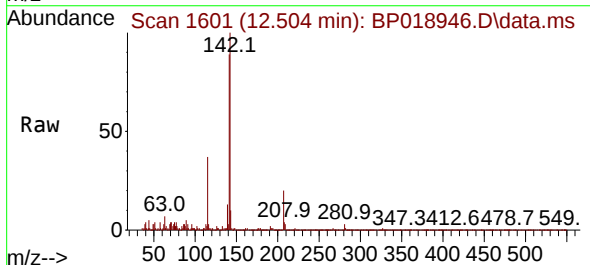
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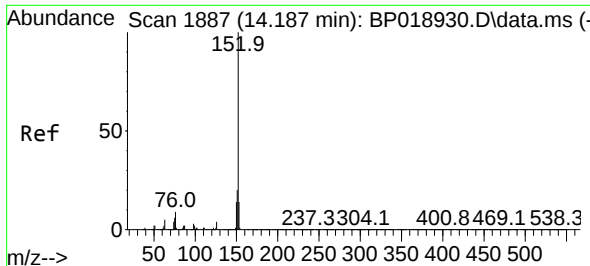
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#37
1-Methylnaphthalene
Concen: 1.188 ng/ul
RT: 12.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

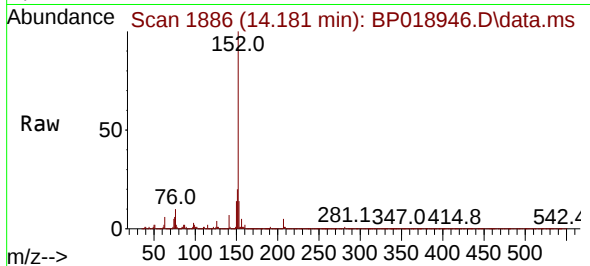
Tgt Ion:142 Resp: 39006
Ion Ratio Lower Upper
142 100
141 88.6 73.5 110.3
116 3.2 2.8 4.2





#50
Acenaphthylene
Concen: 3.419 ng/ul
RT: 14.181 min Scan# 1887
Delta R.T. -0.006 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

Instrument :
BNA_P
ClientSampleId :
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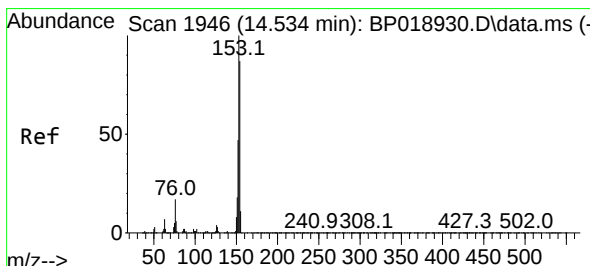
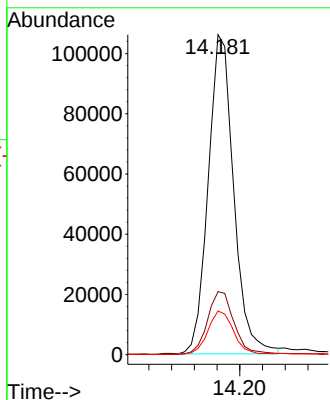
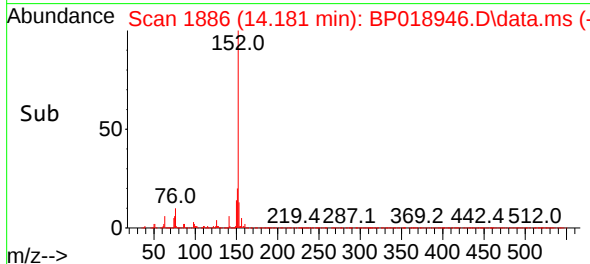
Tgt Ion:152 Resp: 165359
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.6 10.6 16.0

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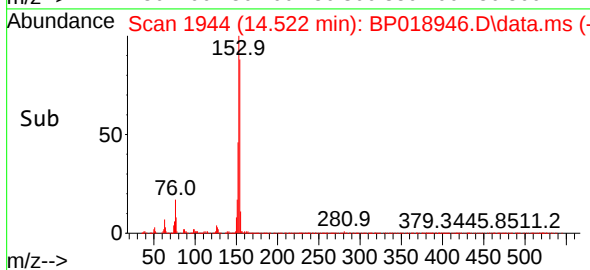
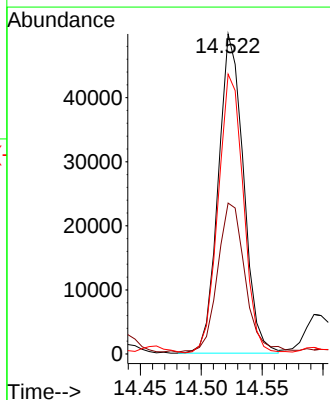
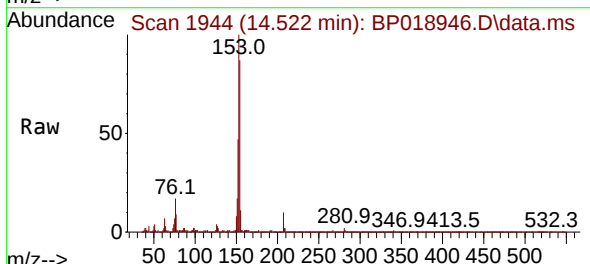
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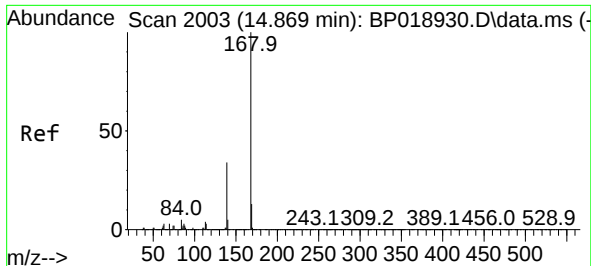
12/20/2023



#52
Acenaphthene
Concen: 2.247 ng/ul
RT: 14.522 min Scan# 1944
Delta R.T. -0.012 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

Tgt Ion:153 Resp: 71858
Ion Ratio Lower Upper
153 100
152 47.2 38.1 57.1
154 87.5 71.7 107.5





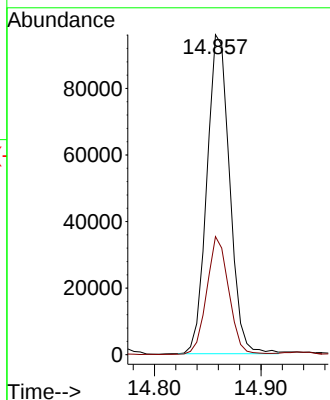
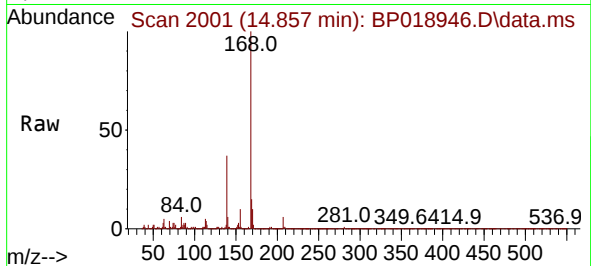
#56
Dibenzenofuran
Concen: 3.207 ng/ul
RT: 14.857 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:168 Resp: 14253
Ion Ratio Lower Upper
168 100
139 36.9 29.1 43.7

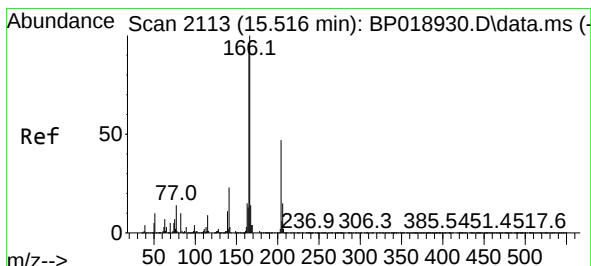
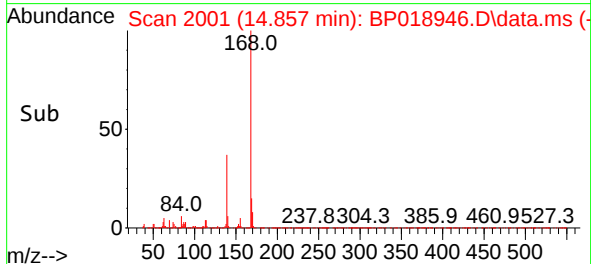
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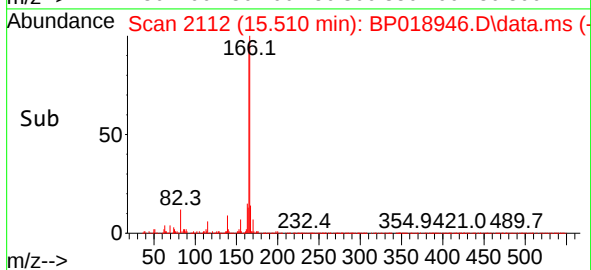
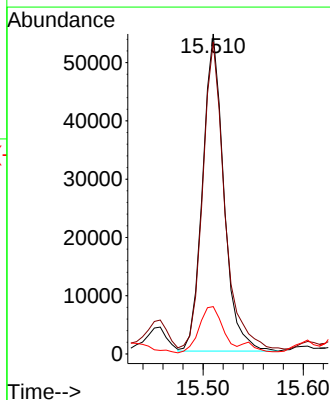
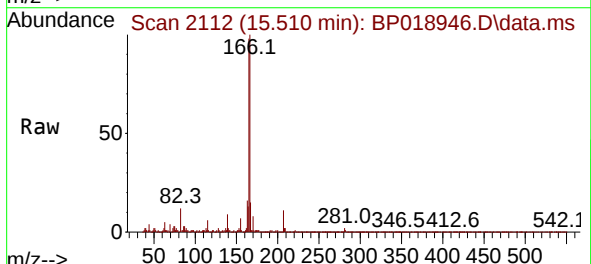
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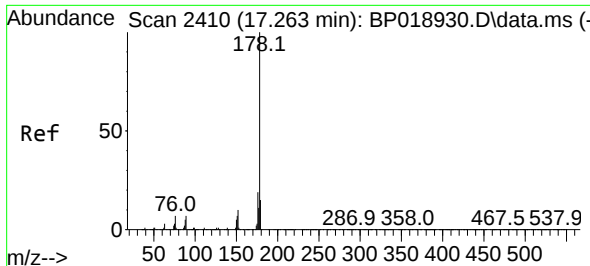
12/20/2023



#61
Fluorene
Concen: 2.277 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

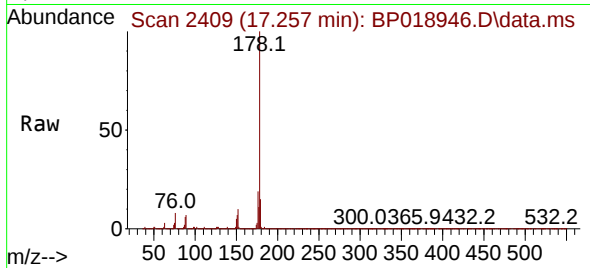
Tgt Ion:166 Resp: 80073
Ion Ratio Lower Upper
166 100
165 97.5 78.0 117.0
167 14.8 10.8 16.2





#72
Phenanthrene
Concen: 42.490 ng/u1
RT: 17.257 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

Instrument :
BNA_P
ClientSampleId :
BH3Q3DL



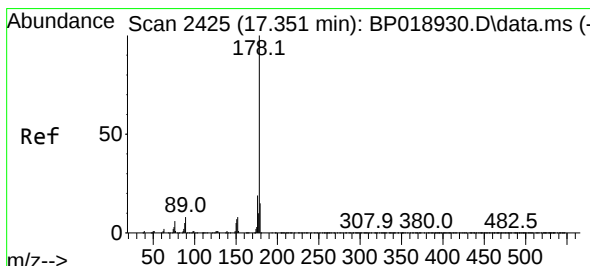
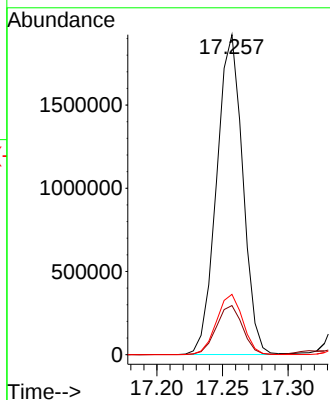
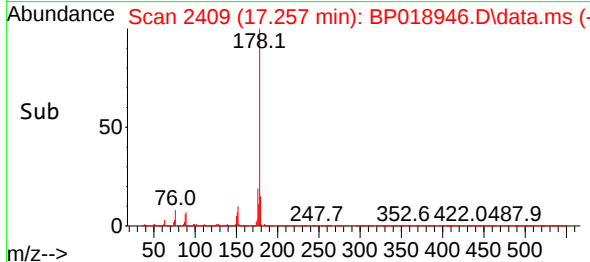
Tgt Ion:178 Resp: 265688
Ion Ratio Lower Upper
178 100
179 15.3 12.3 18.5
176 18.8 15.4 23.2

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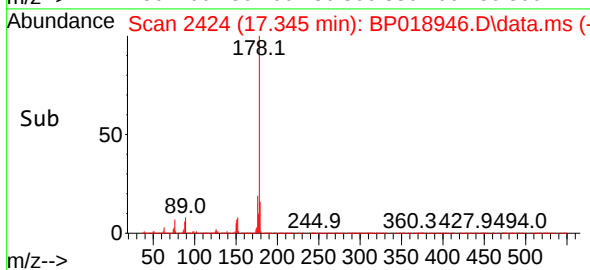
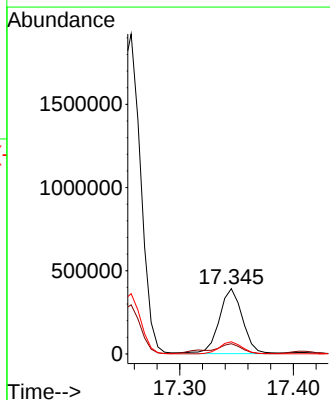
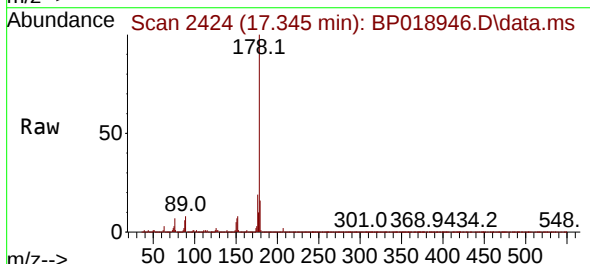
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Supervised By :mohammad
ahmed

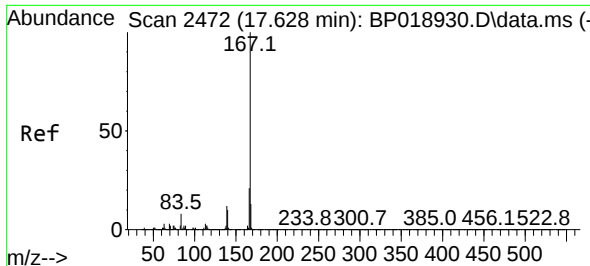
12/20/2023



#74
Anthracene
Concen: 8.880 ng/u1
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

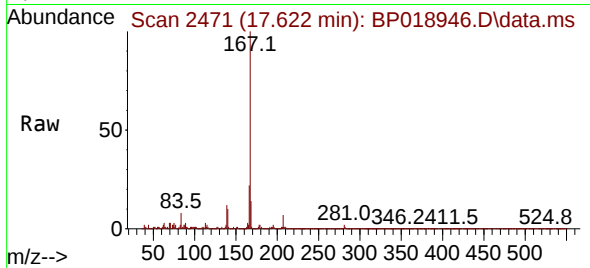
Tgt Ion:178 Resp: 556554
Ion Ratio Lower Upper
178 100
179 15.7 12.5 18.7
176 18.6 15.0 22.6





#77
 Carbazole
 Concen: 3.165 ng/ul
 RT: 17.622 min Scan# 2472
 Delta R.T. -0.006 min
 Lab File: BP018946.D
 Acq: 19 Dec 2023 13:59

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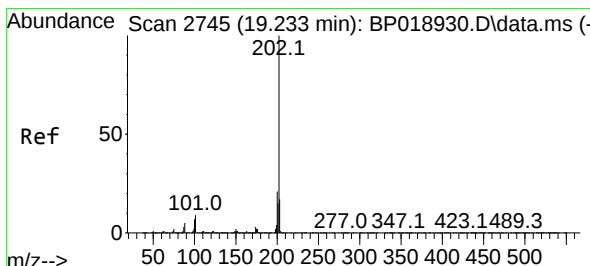
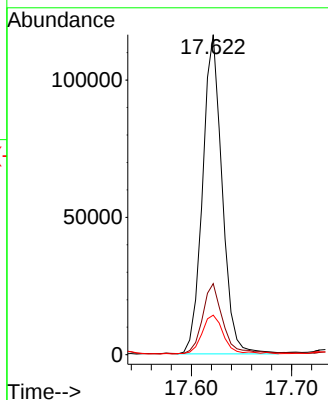
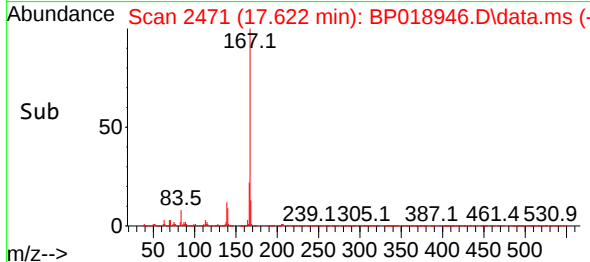
Tgt Ion:167 Resp: 158080
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.1 25.7
 139 12.4 10.2 15.4

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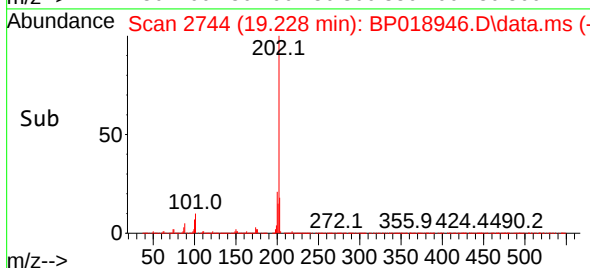
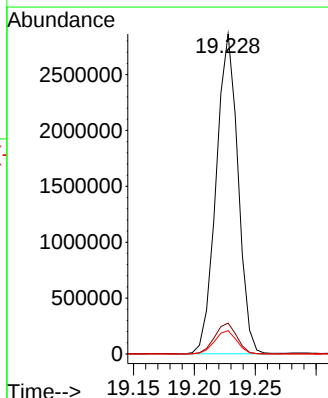
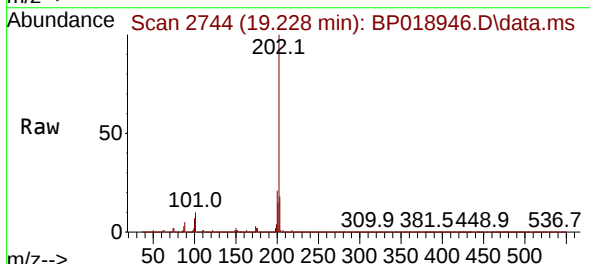
12/20/2023
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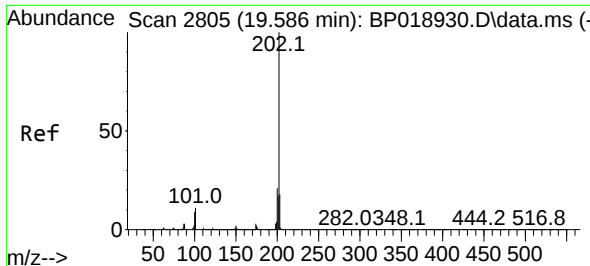
12/20/2023



#80
 Fluoranthene
 Concen: 34.436 ng/ul
 RT: 19.228 min Scan# 2744
 Delta R.T. -0.006 min
 Lab File: BP018946.D
 Acq: 19 Dec 2023 13:59

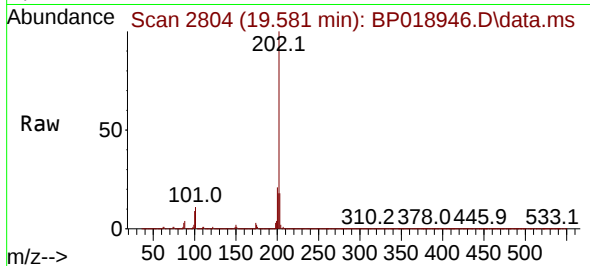
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 Ion Ratio Lower Upper
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 101 9.7 9.1 13.7
 100 7.3 7.1 10.7





#82
 Pyrene
 Concen: 29.116 ng/ul
 RT: 19.581 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP018946.D
 Acq: 19 Dec 2023 13:59

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q3DL



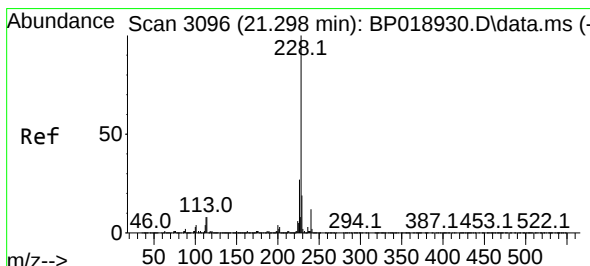
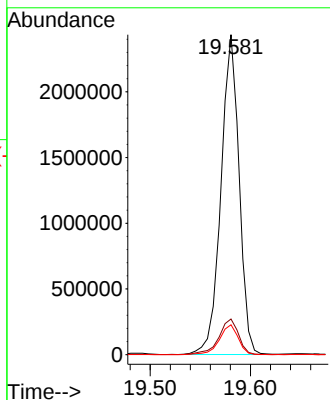
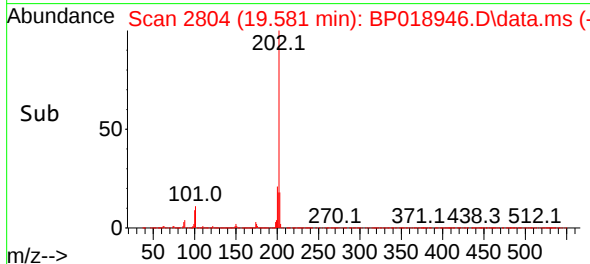
Tgt Ion:202 Resp: 3055020
 Ion Ratio Lower Upper
 202 100
 101 11.1 11.0 16.4
 100 9.3 9.1 13.7

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Reviewed By :Yogesh Patel 12/20/2023
 Supervised By :mohammad ahmed 12/20/2023

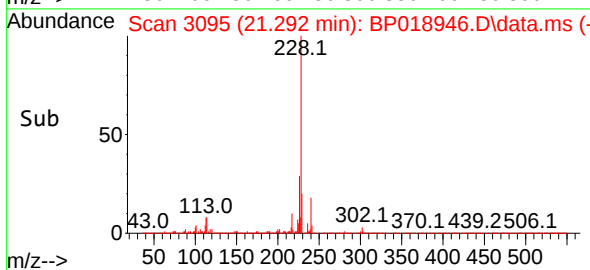
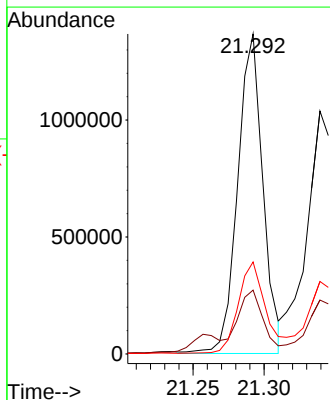
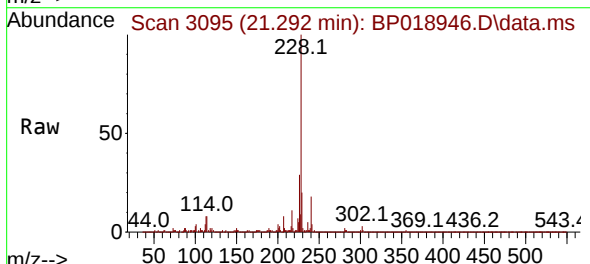
12/20/2023
 Supervised By :mohammad
 ahmed

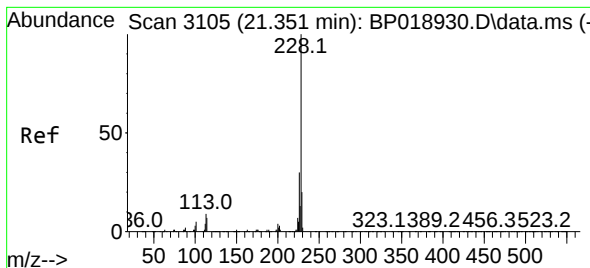
12/20/2023



#85
 Benzo(a)anthracene
 Concen: 18.396 ng/ul
 RT: 21.292 min Scan# 3095
 Delta R.T. -0.006 min
 Lab File: BP018946.D
 Acq: 19 Dec 2023 13:59

Tgt Ion:228 Resp: 1687892
 Ion Ratio Lower Upper
 228 100
 229 20.0 15.7 23.5
 226 28.7 21.9 32.9





#87

Chrysene

Concen: 17.264 ng/ul

RT: 21.339 min Scan# 3103

Delta R.T. -0.012 min

Lab File: BP018946.D

Acq: 19 Dec 2023 13:59

Instrument :

BNA_P

ClientSampleId :

BH3Q3DL

Tgt Ion:228 Resp: 145866

Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

229 22.2 15.6 23.4

Manual Integrations

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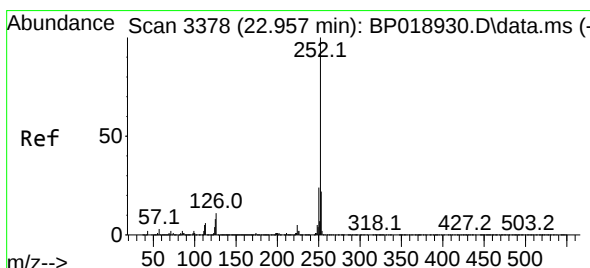
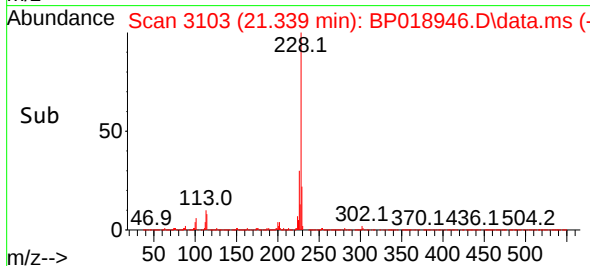
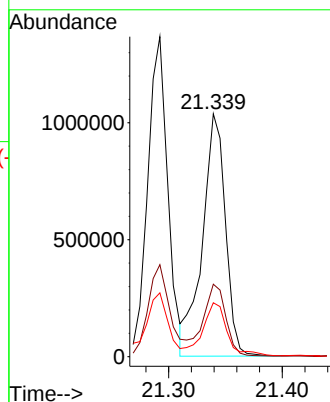
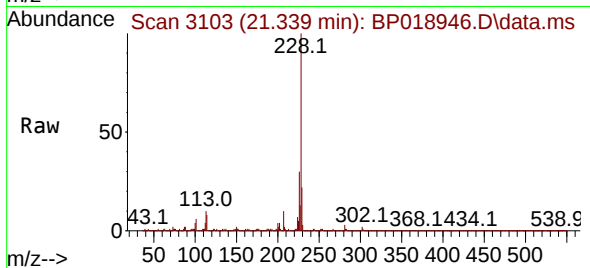
Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023

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Supervised By :mohammad
ahmed

12/20/2023



#90

Benzo(b)fluoranthene

Concen: 17.033 ng/ul

RT: 22.951 min Scan# 3377

Delta R.T. -0.006 min

Lab File: BP018946.D

Acq: 19 Dec 2023 13:59

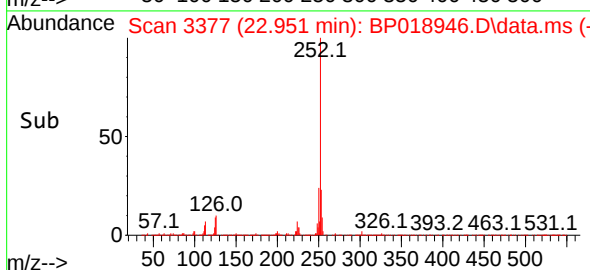
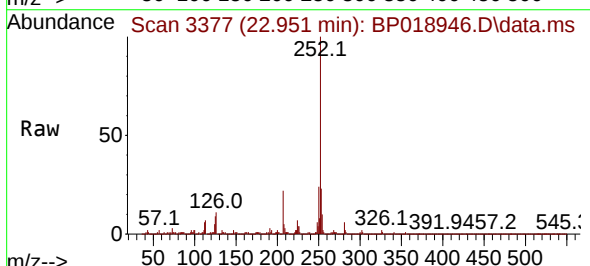
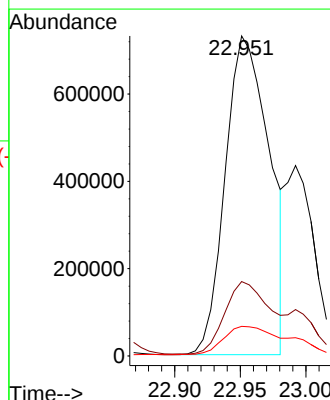
Tgt Ion:252 Resp: 1711071

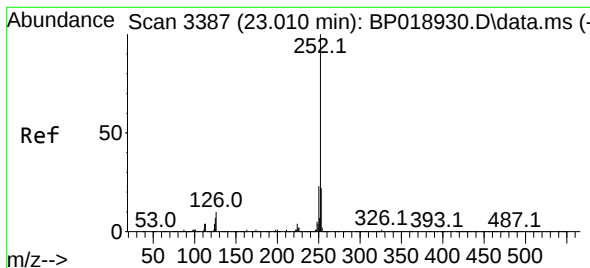
Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 9.3 7.8 11.6





#91

Benzo(k)fluoranthene

Concen: 6.568 ng/u1

RT: 22.992 min Scan# 31

Delta R.T. -0.017 min

Lab File: BP018946.D

Acq: 19 Dec 2023 13:59

Instrument :

BNA_P

ClientSampleId :

BH3Q3DL

Tgt Ion:252 Resp: 63844

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	9.6	8.0	12.0

Manual Integrations

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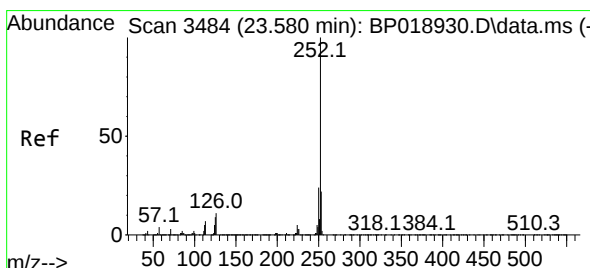
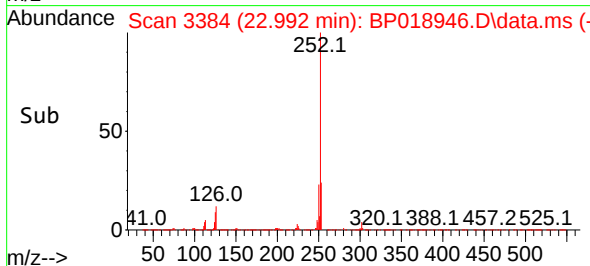
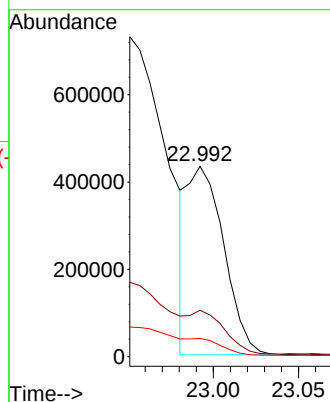
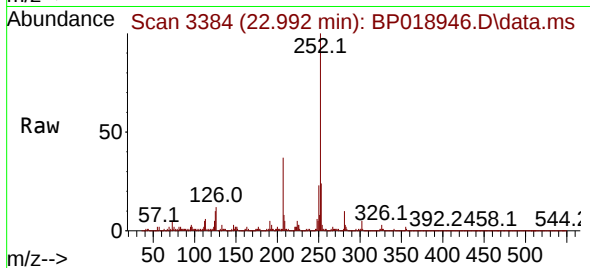
Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023

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Supervised By :mohammad
ahmed

12/20/2023



#93

Benzo(a)pyrene

Concen: 13.745 ng/u1

RT: 23.569 min Scan# 3482

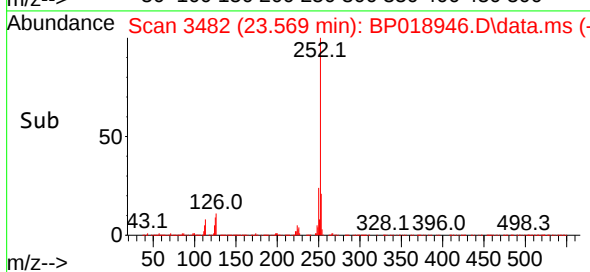
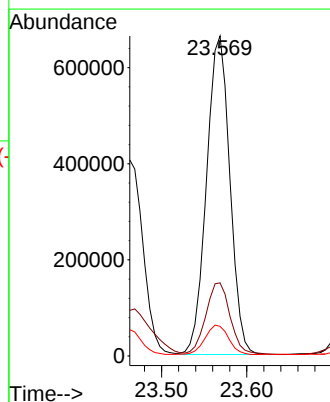
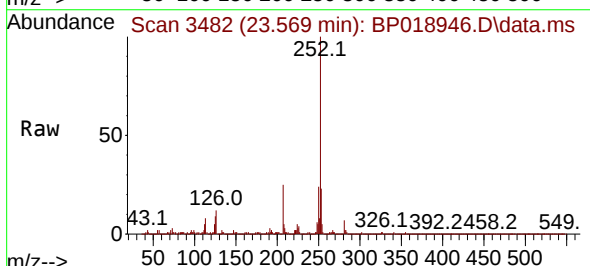
Delta R.T. -0.012 min

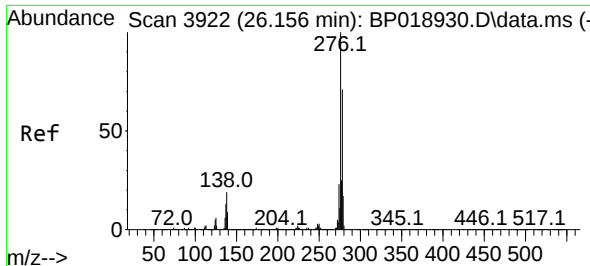
Lab File: BP018946.D

Acq: 19 Dec 2023 13:59

Tgt Ion:252 Resp: 1261721

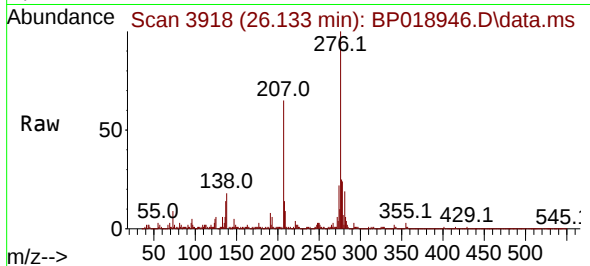
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	9.3	9.2	13.8





#94
Indeno(1,2,3-cd)pyrene
Concen: 7.319 ng/ul
RT: 26.133 min Scan# 3918
Delta R.T. -0.023 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

Instrument :
BNA_P
ClientSampleId :
BH3Q3DL



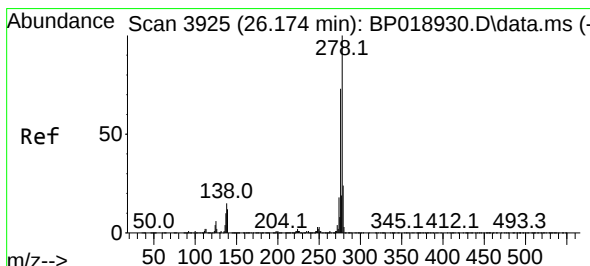
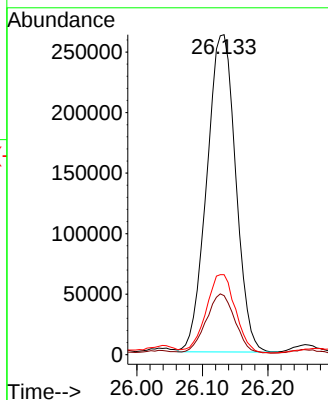
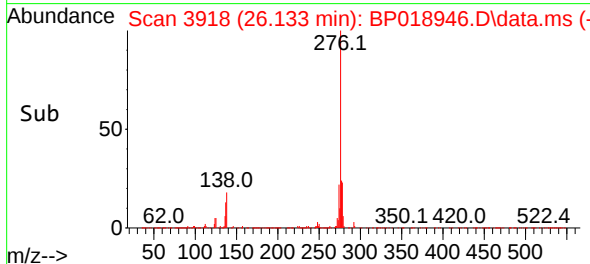
Tgt Ion:276 Resp: 802697
Ion Ratio Lower Upper
276 100
138 18.5 19.4 29.2#
277 25.0 19.8 29.6#

Manual Integrations
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Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023

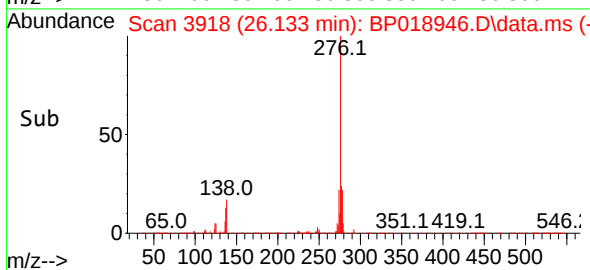
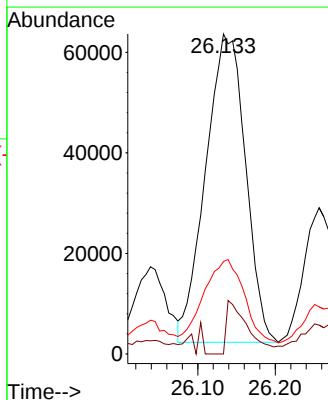
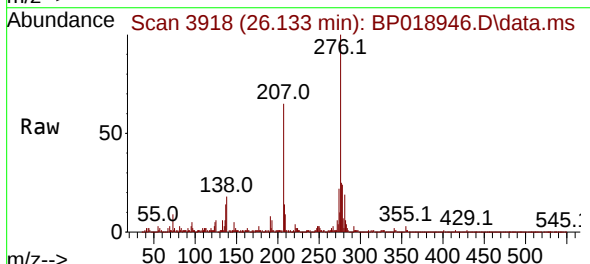
12/20/2023
Supervised By :mohammad
ahmed

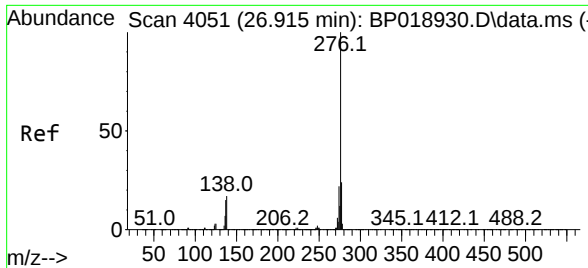
12/20/2023



#95
Dibenzo(a,h)anthracene
Concen: 2.398 ng/ul
RT: 26.133 min Scan# 3918
Delta R.T. -0.041 min
Lab File: BP018946.D
Acq: 19 Dec 2023 13:59

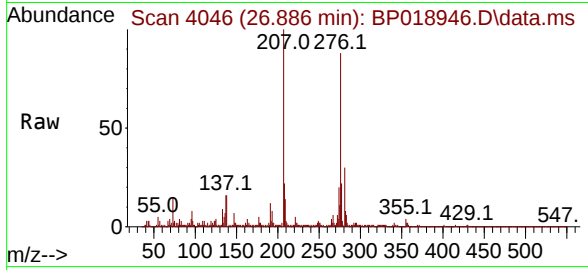
Tgt Ion:278 Resp: 218817
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.6#
279 28.9 18.7 28.1#





#96
 Benzo(g,h,i)perylene
 Concen: 5.606 ng/ul
 RT: 26.886 min Scan# 4051
 Delta R.T. -0.029 min
 Lab File: BP018946.D
 Acq: 19 Dec 2023 13:59

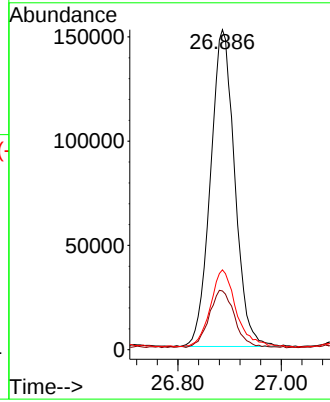
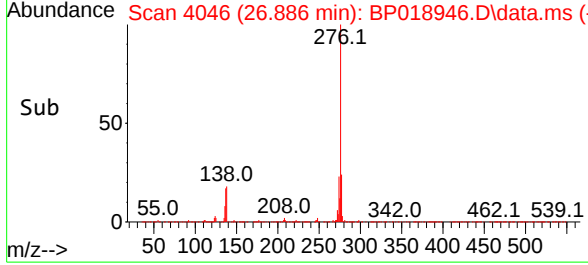
Instrument :
 BNA_P
 ClientSampleId :
 BH3Q3DL



Tgt Ion:276 Resp: 49480
 Ion Ratio Lower Upper
 276 100
 138 18.3 18.1 27.1
 277 24.9 19.4 29.0

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Reviewed By :Yogesh Patel 12/20/2023
 Supervised By :mohammad ahmed 12/20/2023



12/20/2023
 Supervised By :mohammad
 ahmed

12/20/2023