

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018926.D
 Acq On : 19 Dec 2023 02:06
 Operator : MA/JU
 Sample : 05794-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BGRF9

Quant Time: Dec 19 02:51:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 23:34:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	209500	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	755182	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	466103	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	1054114	20.000	ng/u1	0.00
79) Chrysene-d12	21.316	240	1019271	20.000	ng/u1	0.01
88) Perylene-d12	23.692	264	1315371	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	18269	2.972	ng/uL	0.00
4) Pyridine-d5	3.687	84	41573	2.525	ng/u1	0.01
7) Phenol-d5	7.011	99	288270	13.711	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.169	67	169995	13.642	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	239385	14.592	ng/u1	0.00
15) 4-Methylphenol-d8	8.552	113	182342	10.717	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	110569	16.450	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	120371	17.274	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	228015	16.002	ng/u1	0.00
31) 4-Chloroaniline-d4	10.775	131	81820	4.394	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	637248	15.318	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	775168	16.922	ng/u1	0.00
54) 4-Nitrophenol-d4	14.687	143	84377	12.357	ng/u1	0.02
60) Fluorene-d10	15.457	176	603550	17.284	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	23795	3.765	ng/u1	0.00
73) Anthracene-d10	17.316	188	974389	17.583	ng/u1	0.00
81) Pyrene-d10	19.557	212	1178055	14.848	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.539	264	1256074	16.377	ng/u1	0.02
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.975	77	28177	2.596	ng/u1	91
8) Phenol	7.040	94	132650	6.434	ng/u1	99
16) Acetophenone	8.657	105	772582	30.468	ng/u1	100
30) Naphthalene	10.675	128	187828	4.100	ng/u1	99
36) 2-Methylnaphthalene	12.287	142	78423	2.416	ng/u1	97
37) 1-Methylnaphthalene	12.504	142	68144	2.079	ng/u1#	100
50) Acenaphthylene	14.187	152	328705	6.382	ng/u1	98
52) Acenaphthene	14.528	153	143939	4.227	ng/u1	95
56) Dibenzofuran	14.863	168	161093	3.404	ng/u1	97
61) Fluorene	15.516	166	252051	6.730	ng/u1	99
72) Phenanthrene	17.257	178	3773159	59.267	ng/u1	99
74) Anthracene	17.351	178	1025930	16.077	ng/u1	100
77) Carbazole	17.628	167	381632	7.504	ng/u1	99
80) Fluoranthene	19.233	202	7058229m	75.259	ng/u1	
82) Pyrene	19.586	202	6880592	72.724	ng/u1#	93
85) Benzo(a)anthracene	21.298	228	4192975	50.681	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.222	149	273904	5.753	ng/u1#	95
87) Chrysene	21.351	228	3922909	51.490	ng/u1	96
90) Benzo(b)fluoranthene	22.974	252	5370054	55.371	ng/u1	97
91) Benzo(k)fluoranthene	23.010	252	2104539m	22.427	ng/u1	
93) Benzo(a)pyrene	23.592	252	4228524m	47.717	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.174	276	3009471	28.424	ng/u1#	92
95) Dibenzo(a,h)anthracene	26.174	278	822333	9.337	ng/u1#	91
96) Benzo(g,h,i)perylene	26.939	276	1922326	22.560	ng/u1#	94

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

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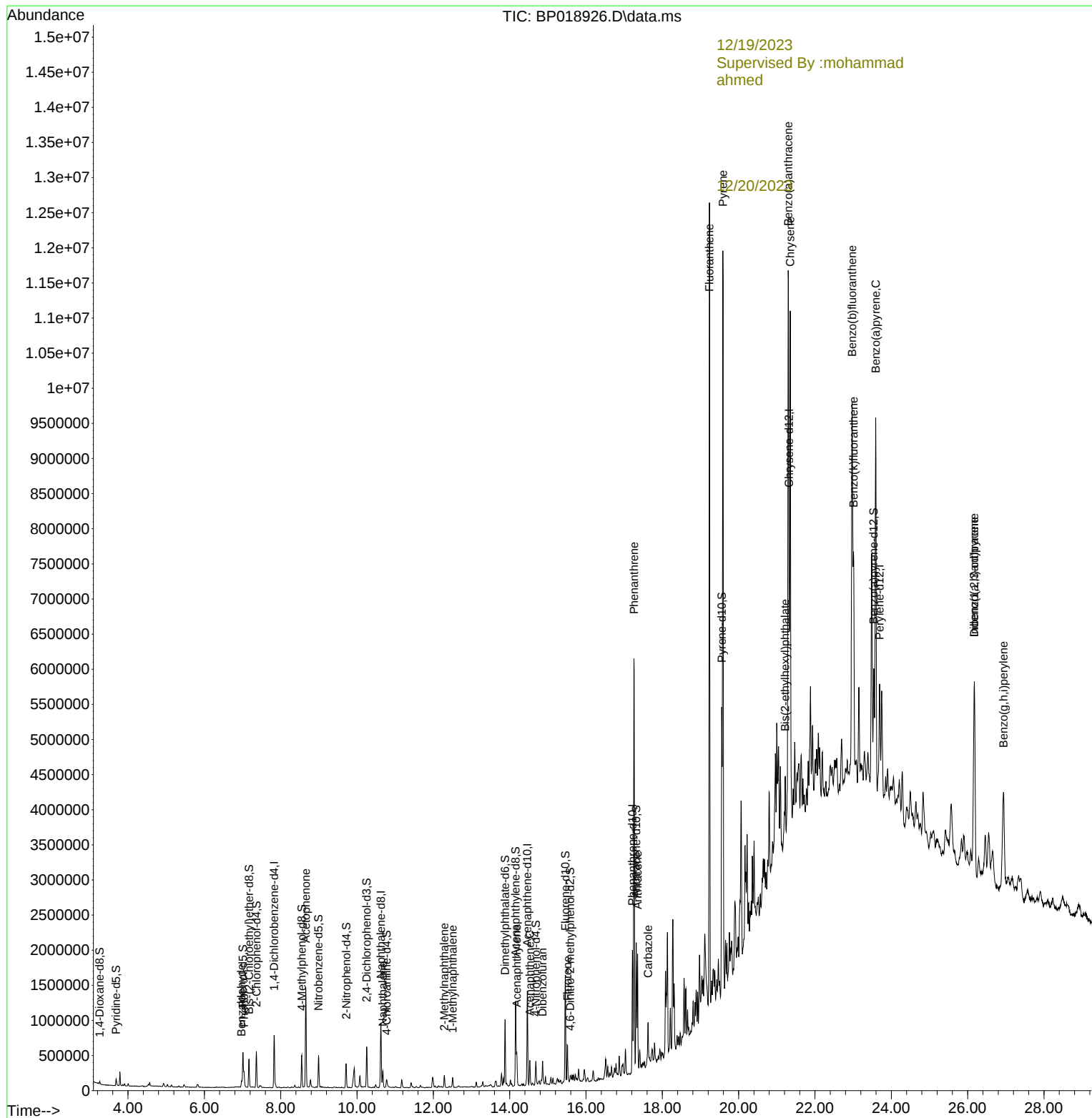
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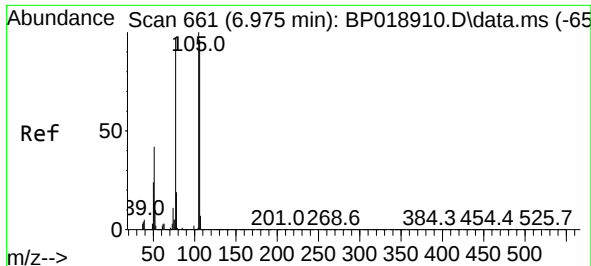
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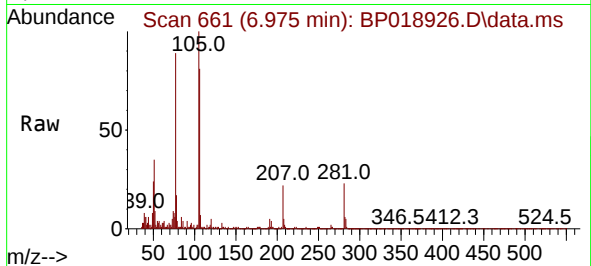
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#6
Benzaldehyde
Concen: 2.596 ng/ul
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP018926.D
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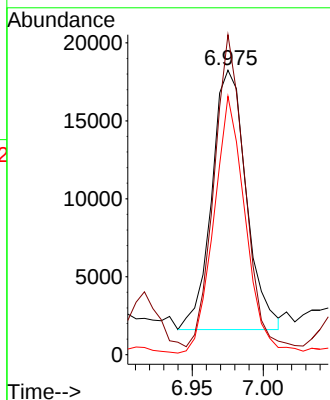
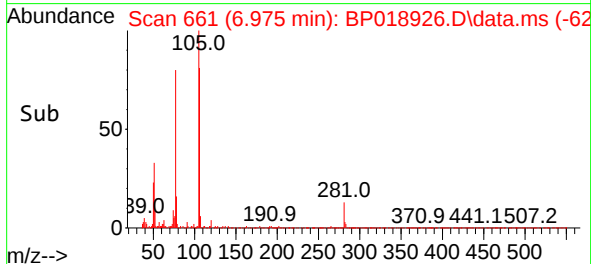
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 77 Resp: 2817
Ion Ratio Lower Upper
77 100
105 112.5 77.9 116.9
106 90.8 74.6 111.8

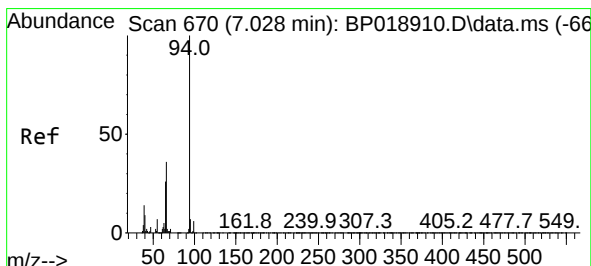
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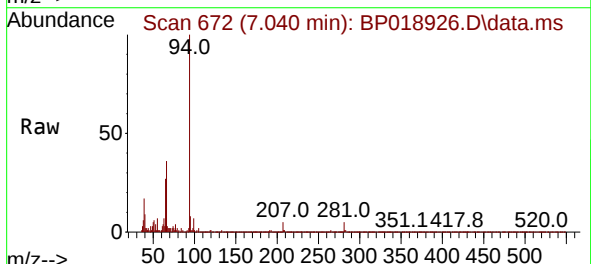


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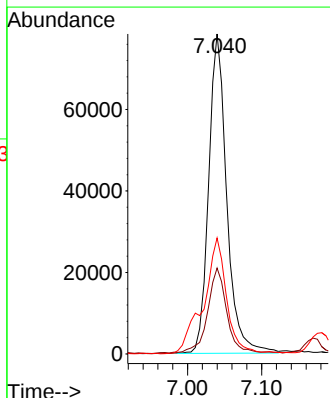
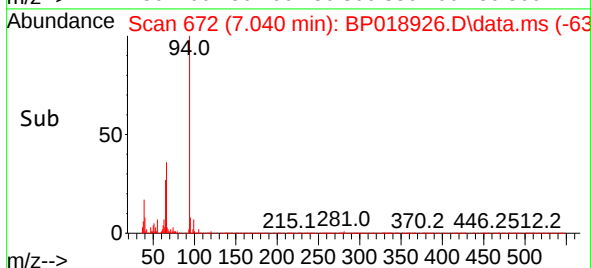
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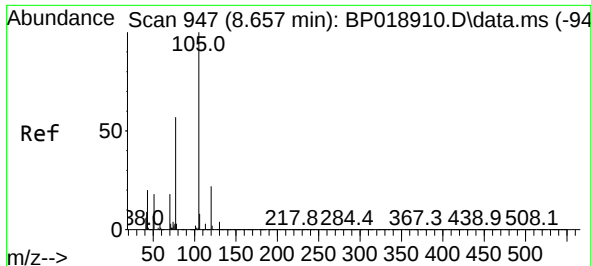


#8
Phenol
Concen: 6.434 ng/ul
RT: 7.040 min Scan# 672
Delta R.T. 0.012 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06



Tgt Ion: 94 Resp: 132650
Ion Ratio Lower Upper
94 100
65 26.9 21.0 31.6
66 36.3 28.6 43.0





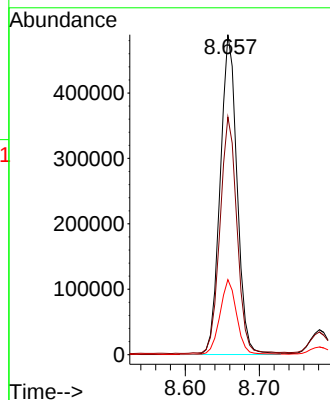
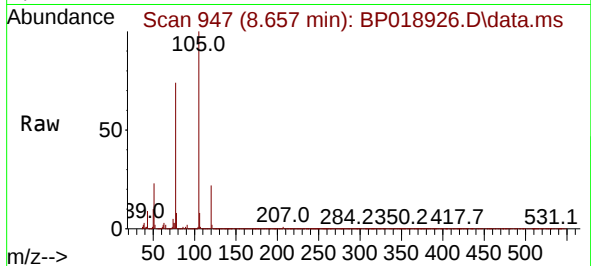
#16
Acetophenone
Concen: 30.468 ng/ul
RT: 8.657 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06

Instrument :
BNA_P
ClientSampleId :
BGRF9

Tgt Ion:105 Resp: 77258
Ion Ratio Lower Upper
105 100
77 74.3 59.4 89.0
51 23.5 19.4 29.0

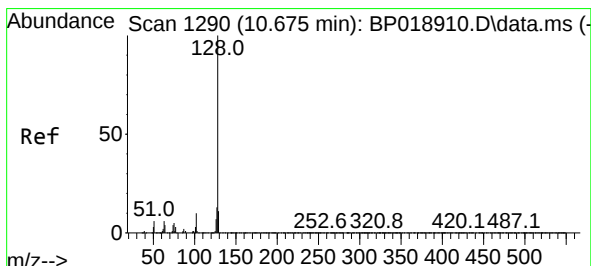
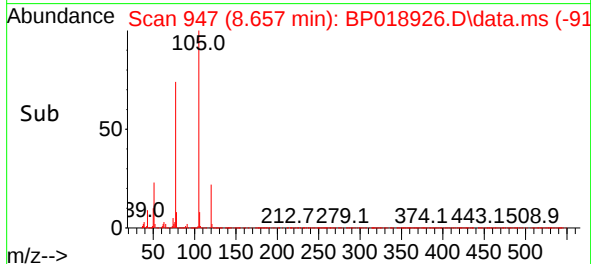
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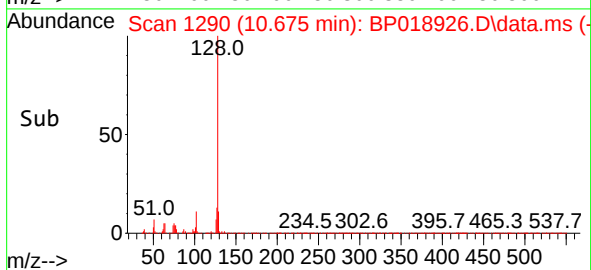
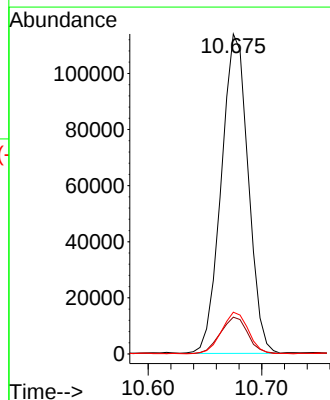
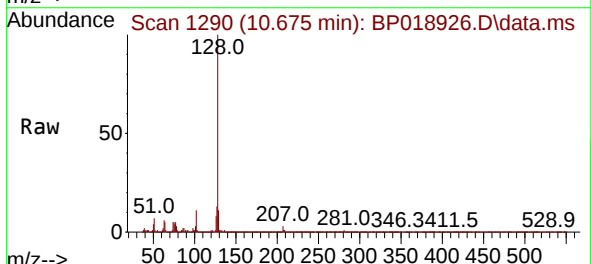
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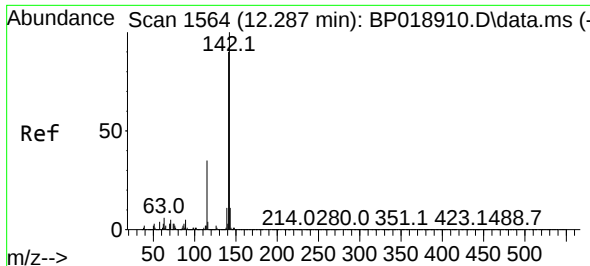
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#30
Naphthalene
Concen: 4.100 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06

Tgt Ion:128 Resp: 187828
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.0 10.5 15.7





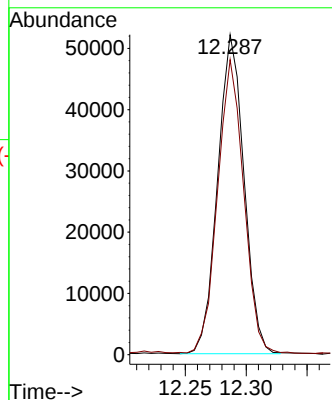
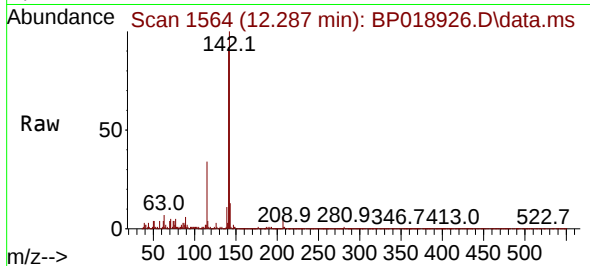
#36
2-Methylnaphthalene
Concen: 2.416 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06

Instrument :
BNA_P
ClientSampleId :
BGRF9

Tgt Ion:142 Resp: 7842
Ion Ratio Lower Upper
142 100
141 92.2 71.4 107.0

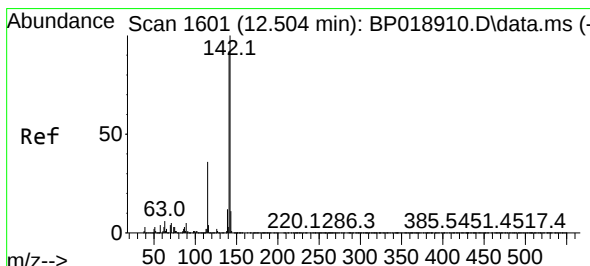
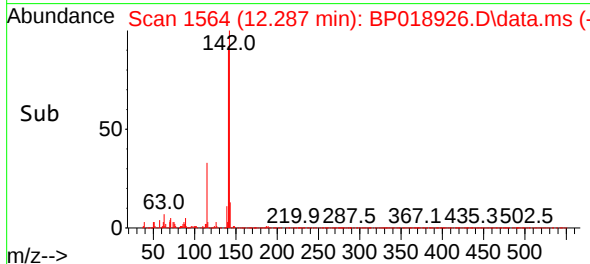
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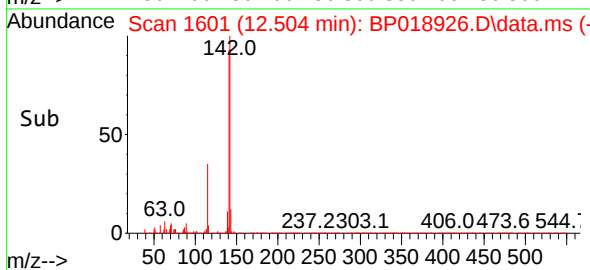
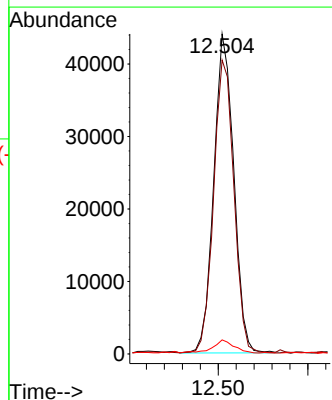
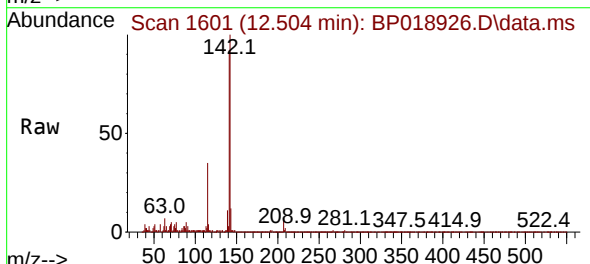
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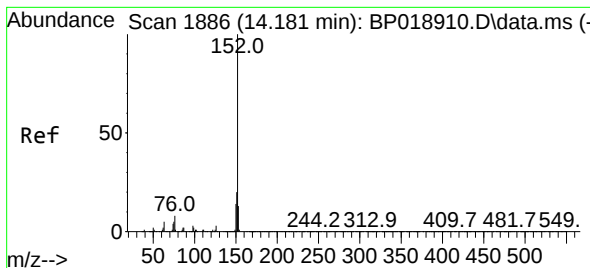
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#37
1-Methylnaphthalene
Concen: 2.079 ng/ul
RT: 12.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06

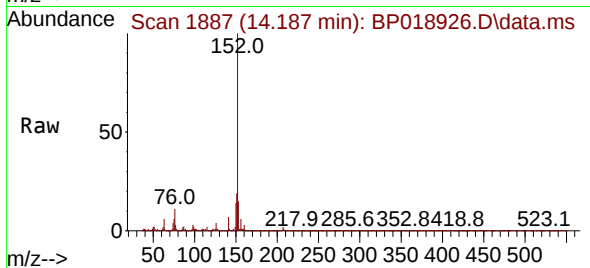
Tgt Ion:142 Resp: 68144
Ion Ratio Lower Upper
142 100
141 91.8 73.5 110.3
116 4.4 2.8 4.2#





#50
Acenaphthylene
Concen: 6.382 ng/u1
RT: 14.187 min Scan# 1886
Delta R.T. 0.000 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06

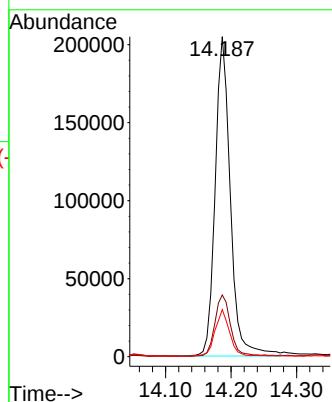
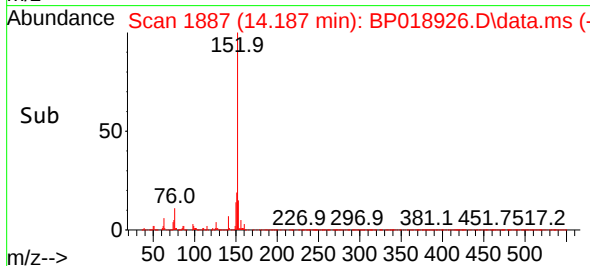
Instrument :
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Tgt Ion:152 Resp: 32870
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 14.7 10.6 16.0

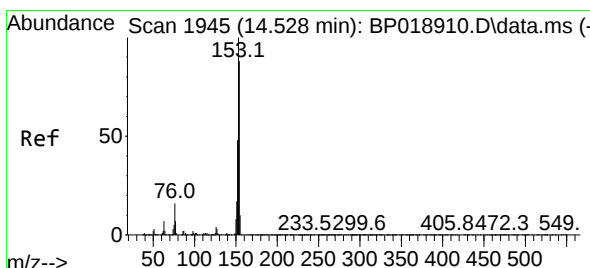
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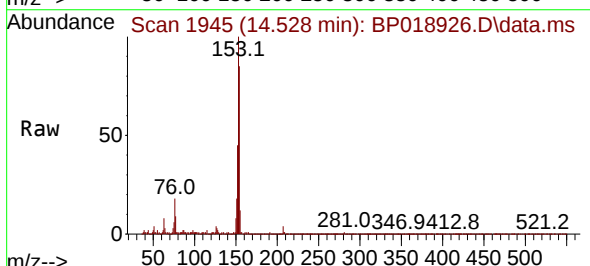


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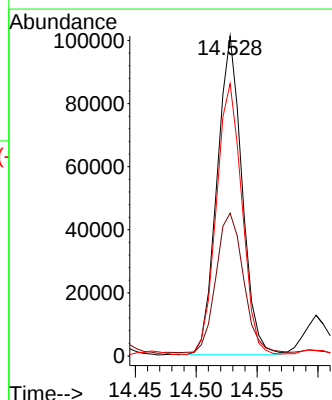
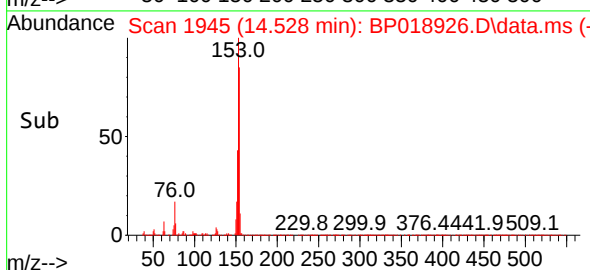
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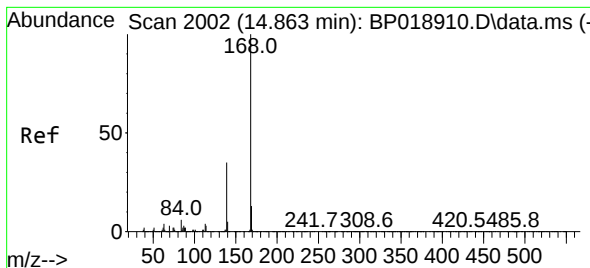


#52
Acenaphthene
Concen: 4.227 ng/u1
RT: 14.528 min Scan# 1945
Delta R.T. 0.000 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06



Tgt Ion:153 Resp: 143939
Ion Ratio Lower Upper
153 100
152 44.6 38.1 57.1
154 85.1 71.7 107.5





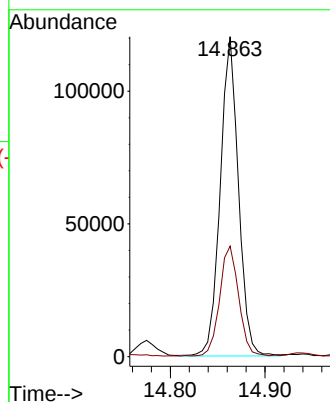
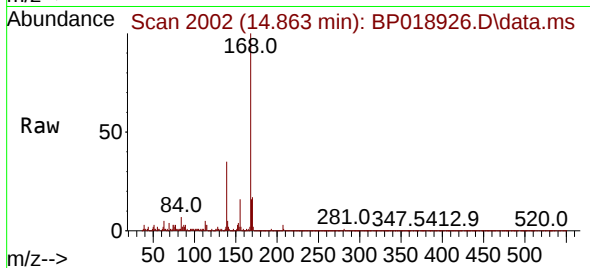
#56
Dibenzenofuran
Concen: 3.404 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06

Instrument :
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Tgt Ion:168 Resp: 16109
Ion Ratio Lower Upper
168 100
139 34.6 29.1 43.7

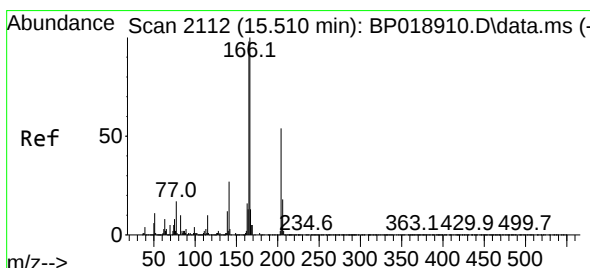
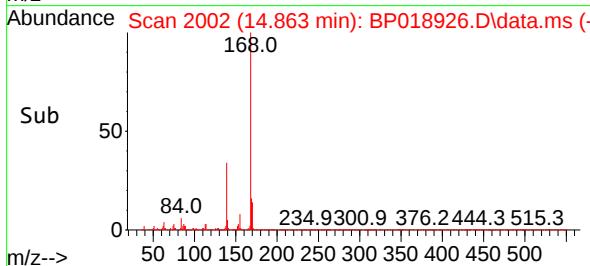
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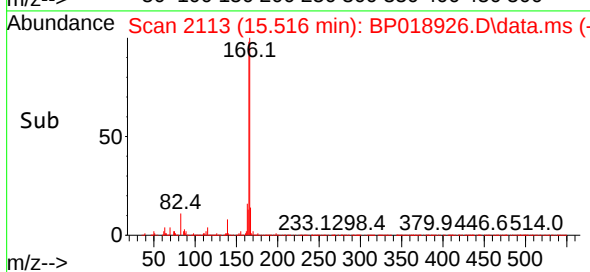
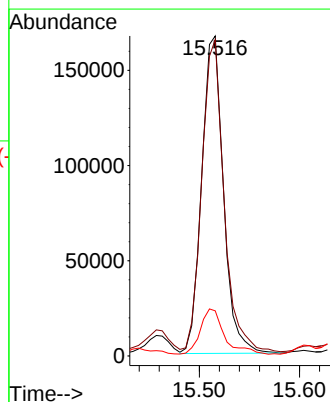
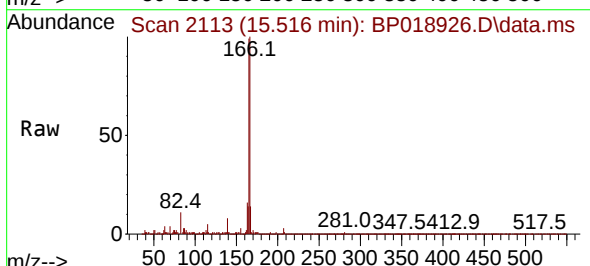
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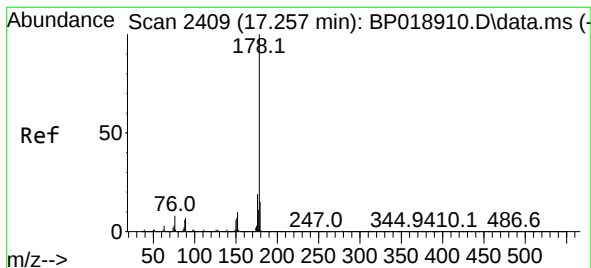
12/20/2023



#61
Fluorene
Concen: 6.730 ng/ul
RT: 15.516 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06

Tgt Ion:166 Resp: 252051
Ion Ratio Lower Upper
166 100
165 98.9 78.0 117.0
167 14.1 10.8 16.2





#72

Phenanthrene

Concen: 59.267 ng/ul

RT: 17.257 min Scan# 2409

Delta R.T. 0.000 min

Lab File: BP018926.D

Acq: 19 Dec 2023 02:06

Instrument :

BNA_P

ClientSampleId :

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Tgt Ion:178 Resp: 377315

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

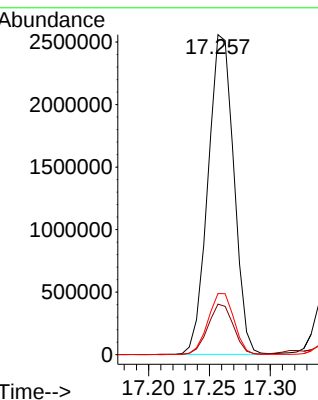
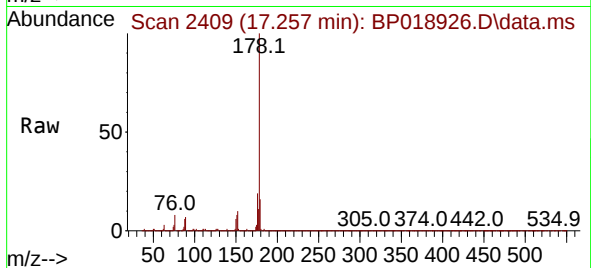
176 19.1 15.4 23.2

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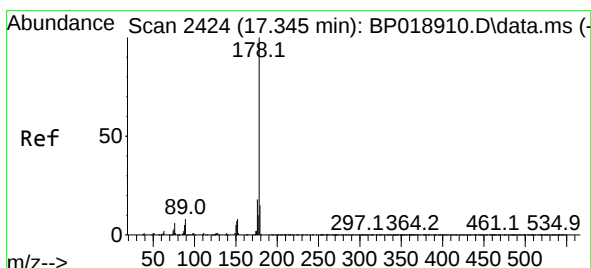
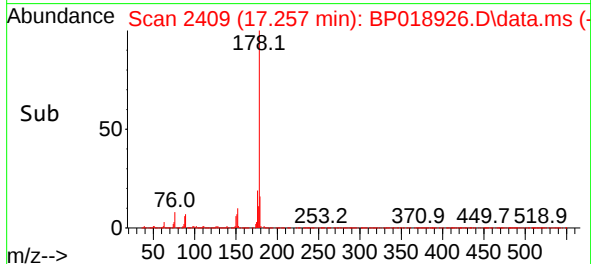
Supervised By :mohammad ahmed 12/20/2023



12/19/2023

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12/20/2023



#74

Anthracene

Concen: 16.077 ng/ul

RT: 17.351 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP018926.D

Acq: 19 Dec 2023 02:06

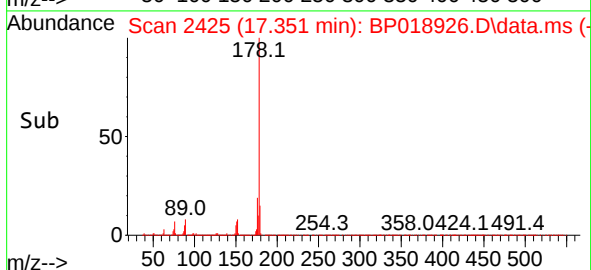
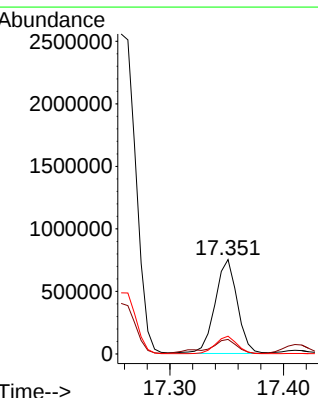
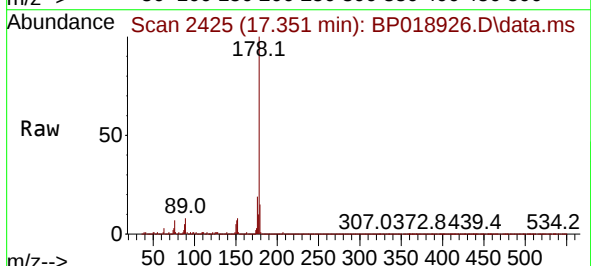
Tgt Ion:178 Resp: 1025930

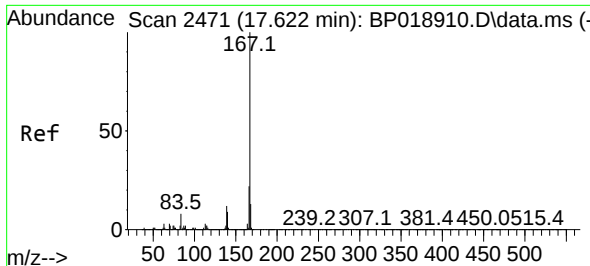
Ion Ratio Lower Upper

178 100

179 15.4 12.5 18.7

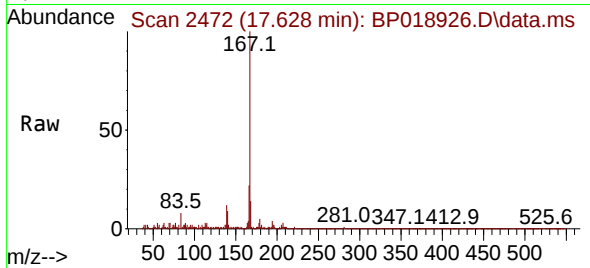
176 18.8 15.0 22.6





#77
 Carbazole
 Concen: 7.504 ng/ul
 RT: 17.628 min Scan# 2471
 Delta R.T. 0.006 min
 Lab File: BP018926.D
 Acq: 19 Dec 2023 02:06

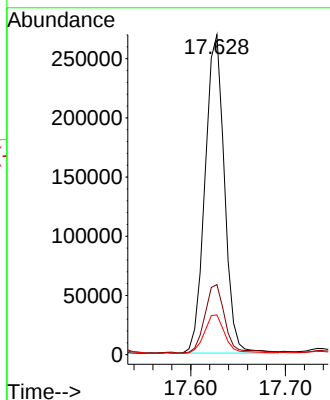
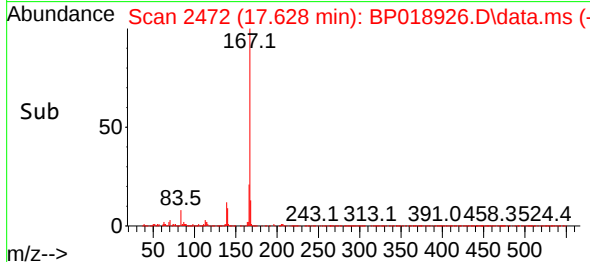
Instrument :
 BNA_P
 ClientSampleId :
 BGRF9



Tgt Ion:167 Resp: 381632
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.1 25.7
 139 12.5 10.2 15.4

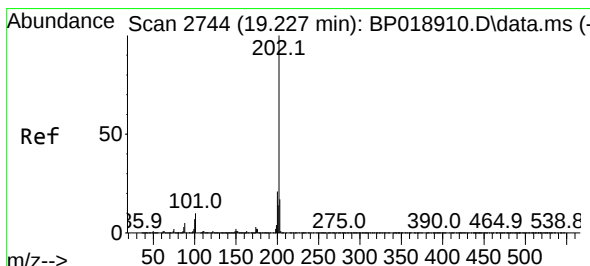
Manual Integrations
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Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

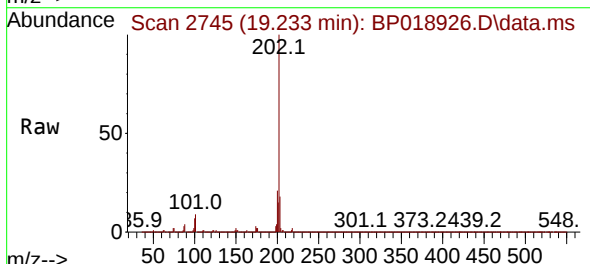


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 ahmed

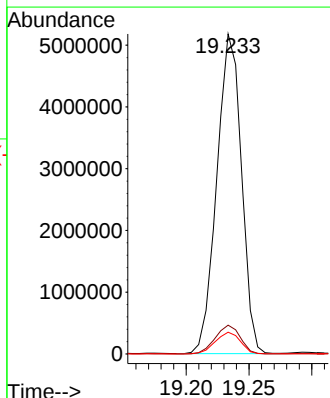
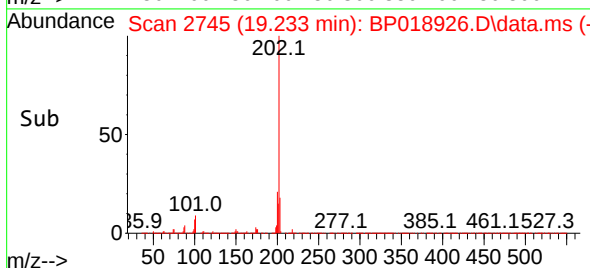
12/20/2023

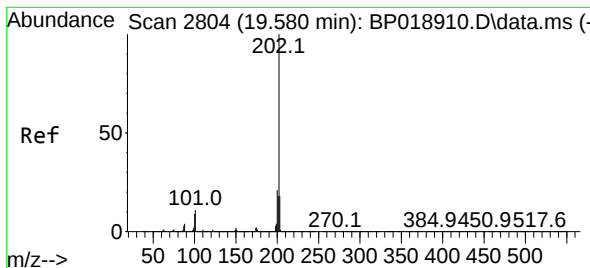


#80
 Fluoranthene
 Concen: 75.259 ng/ul m
 RT: 19.233 min Scan# 2745
 Delta R.T. 0.006 min
 Lab File: BP018926.D
 Acq: 19 Dec 2023 02:06



Tgt Ion:202 Resp: 7058229
 Ion Ratio Lower Upper
 202 100
 101 9.0 9.1 13.7#
 100 6.8 7.1 10.7#





#82

Pyrene

Concen: 72.724 ng/ul

RT: 19.586 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP018926.D

Acq: 19 Dec 2023 02:06

Instrument :

BNA_P

ClientSampleId :

BGRF9

Tgt Ion:202 Resp: 688059

Ion Ratio Lower Upper

202 100

101 10.8 11.0 16.4

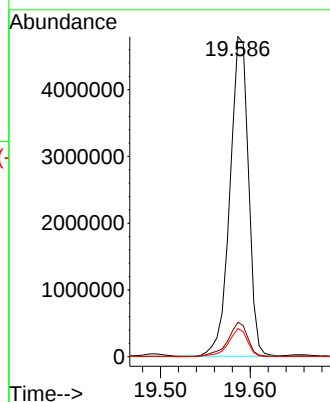
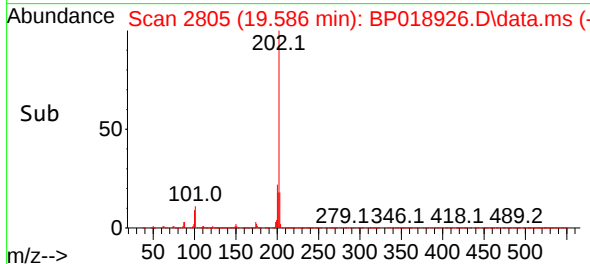
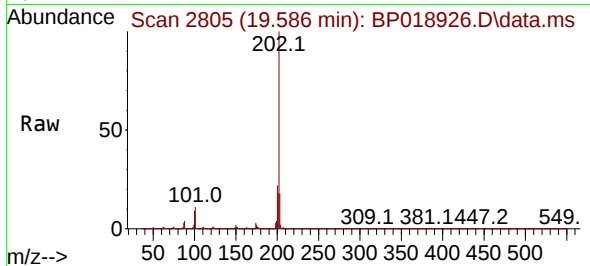
100 8.8 9.1 13.7

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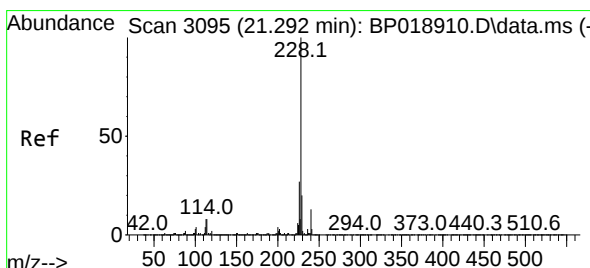
Supervised By :mohammad ahmed 12/20/2023



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Supervised By :mohammad
ahmed

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#85

Benzo(a)anthracene

Concen: 50.681 ng/ul

RT: 21.298 min Scan# 3096

Delta R.T. 0.012 min

Lab File: BP018926.D

Acq: 19 Dec 2023 02:06

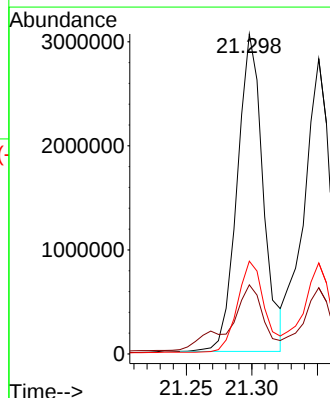
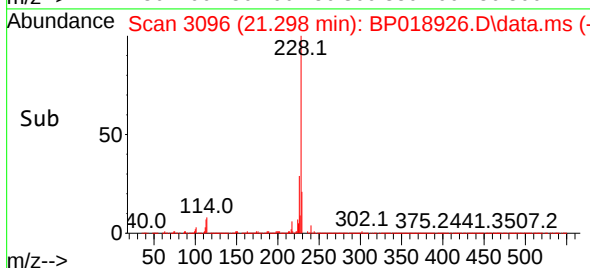
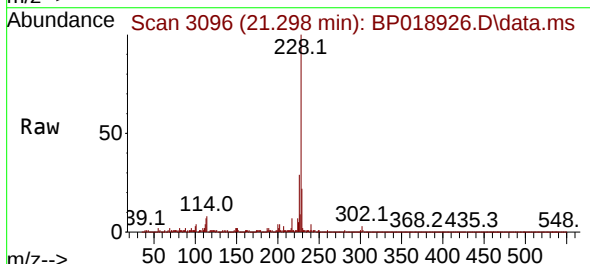
Tgt Ion:228 Resp: 4192975

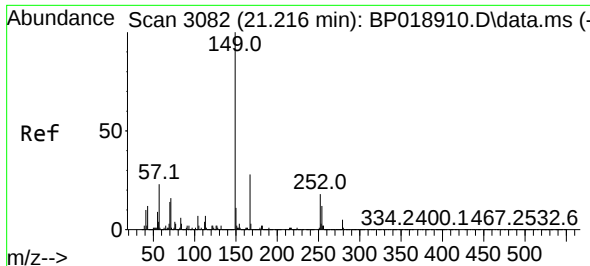
Ion Ratio Lower Upper

228 100

229 21.6 15.7 23.5

226 29.0 21.9 32.9





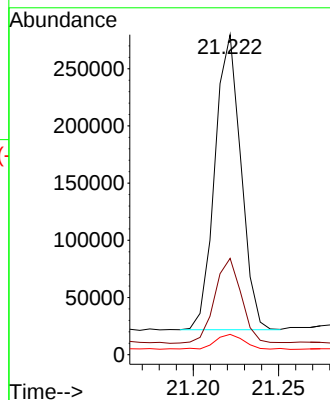
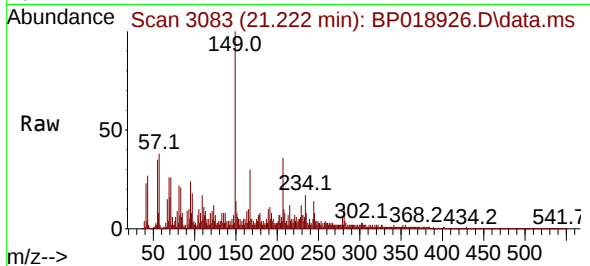
#86
Bis(2-ethylhexyl)phthalate
Concen: 5.753 ng/ul
RT: 21.222 min Scan# 3082
Delta R.T. 0.006 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06

Instrument :
BNA_P
ClientSampleId :
BGRF9

Tgt Ion:149 Resp: 273904
Ion Ratio Lower Upper
149 100
167 30.1 22.2 33.2
279 6.4 3.3 4.9

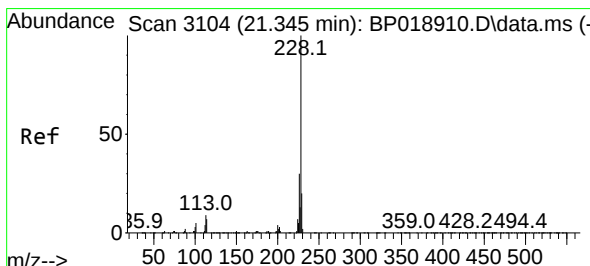
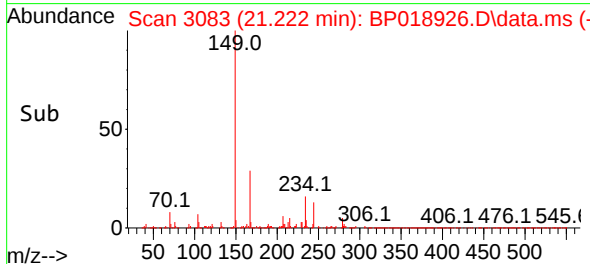
Manual Integrations
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Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



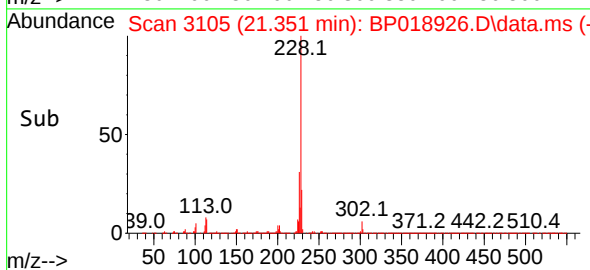
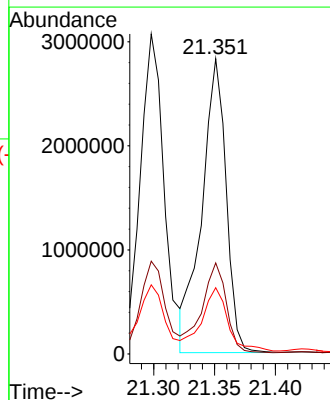
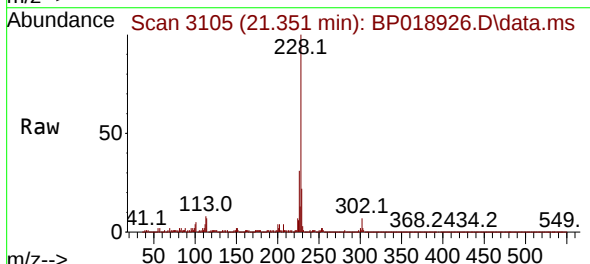
12/19/2023
Supervised By :mohammad
ahmed

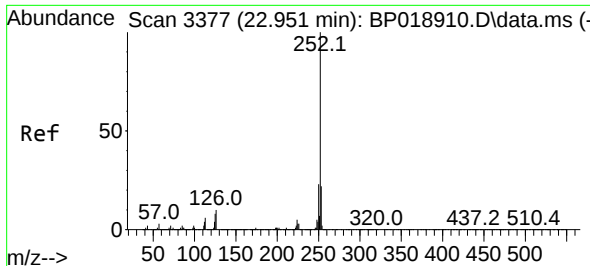
12/20/2023



#87
Chrysene
Concen: 51.490 ng/ul
RT: 21.351 min Scan# 3105
Delta R.T. 0.012 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06

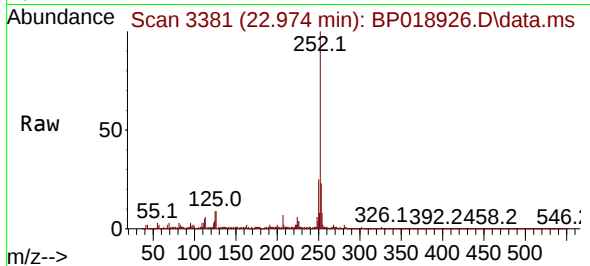
Tgt Ion:228 Resp: 3922909
Ion Ratio Lower Upper
228 100
226 30.9 23.9 35.9
229 22.4 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 55.371 ng/ul
RT: 22.974 min Scan# 3381
Delta R.T. 0.029 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06

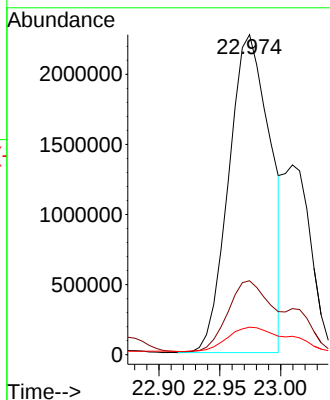
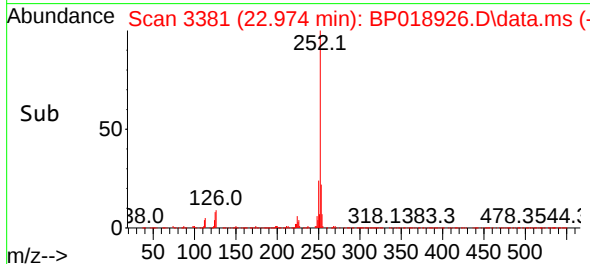
Instrument :
BNA_P
ClientSampleId :
BGRF9



Tgt Ion:252 Resp: 5370054
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 8.6 7.8 11.6

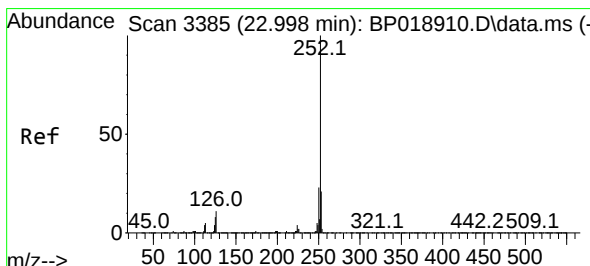
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



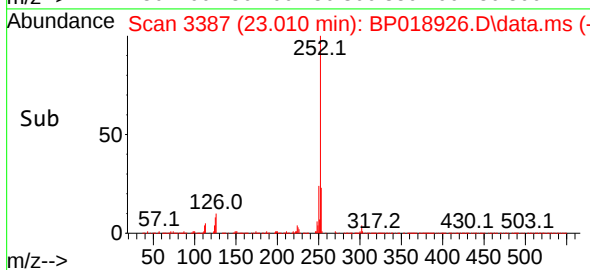
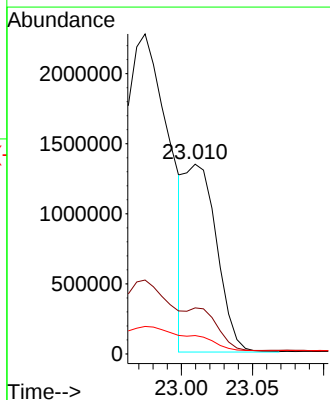
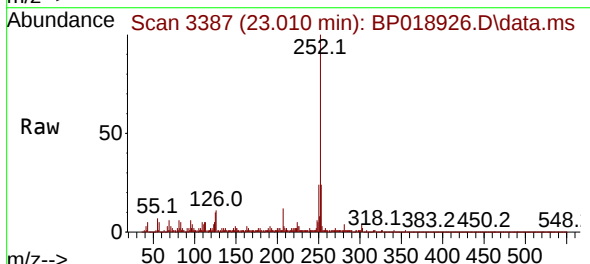
12/19/2023
Supervised By :mohammad
ahmed

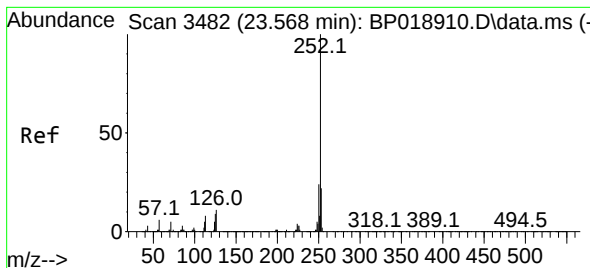
12/20/2023



#91
Benzo(k)fluoranthene
Concen: 22.427 ng/ul m
RT: 23.010 min Scan# 3387
Delta R.T. 0.018 min
Lab File: BP018926.D
Acq: 19 Dec 2023 02:06

Tgt Ion:252 Resp: 2104539
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 9.7 8.0 12.0





#93

Benzo(a)pyrene

Concen: 47.717 ng/ul m

RT: 23.592 min Scan# 3486

Delta R.T. 0.029 min

Lab File: BP018926.D

Acq: 19 Dec 2023 02:06

Instrument :

BNA_P

ClientSampleId :

BGRF9

Tgt Ion:252 Resp: 4228524

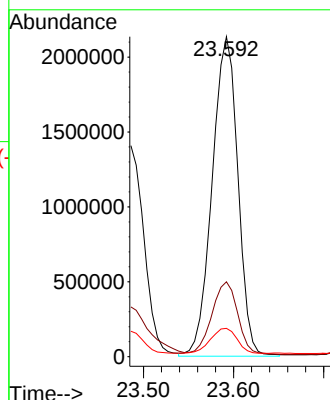
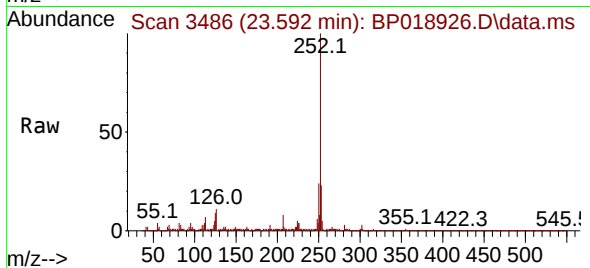
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	8.9	9.2	13.8

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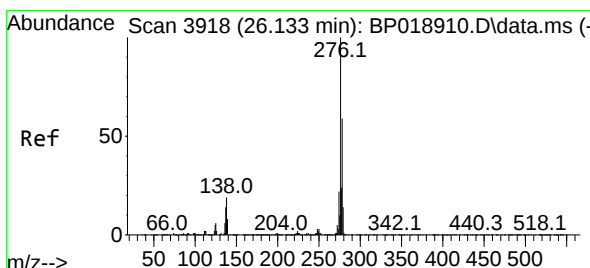
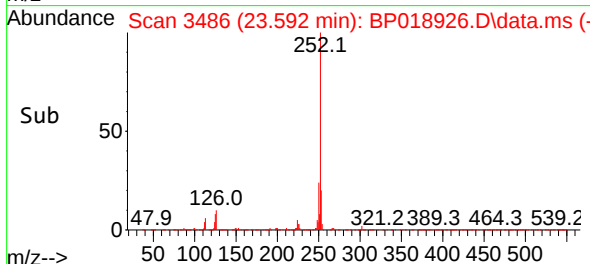
Supervised By :mohammad ahmed 12/20/2023



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ahmed

12/20/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 28.424 ng/ul

RT: 26.174 min Scan# 3925

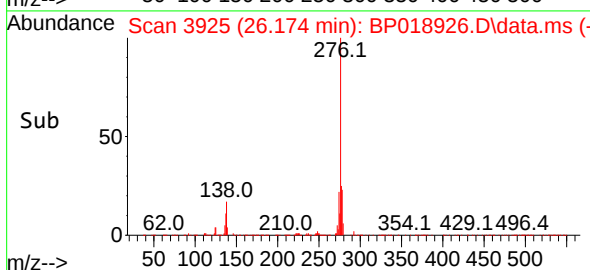
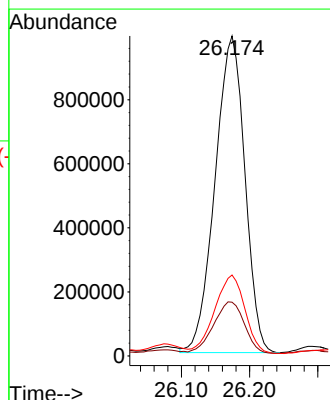
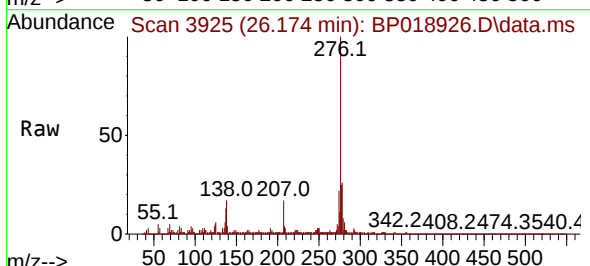
Delta R.T. 0.053 min

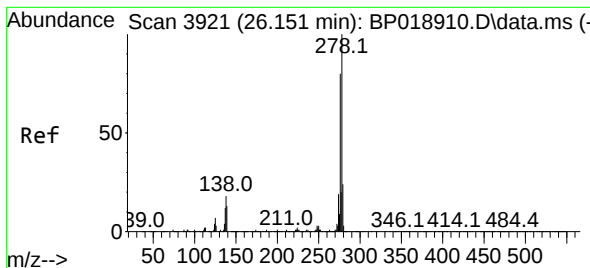
Lab File: BP018926.D

Acq: 19 Dec 2023 02:06

Tgt Ion:276 Resp: 3009471

Ion	Ratio	Lower	Upper
276	100		
138	16.8	19.4	29.2
277	25.3	19.8	29.6





#95

Dibenzo(a,h)anthracene

Concen: 9.337 ng/ul

RT: 26.174 min Scan# 3921

Delta R.T. 0.035 min

Lab File: BP018926.D

Acq: 19 Dec 2023 02:06

Instrument :

BNA_P

ClientSampleId :

BGRF9

Tgt Ion:278 Resp: 82233

Ion Ratio Lower Upper

278 100

139 17.4 13.0 19.6

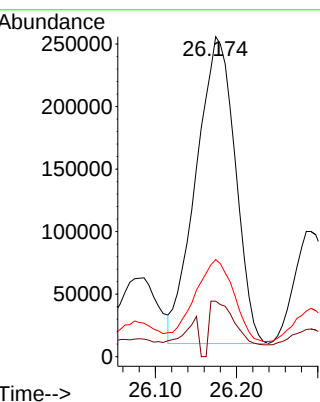
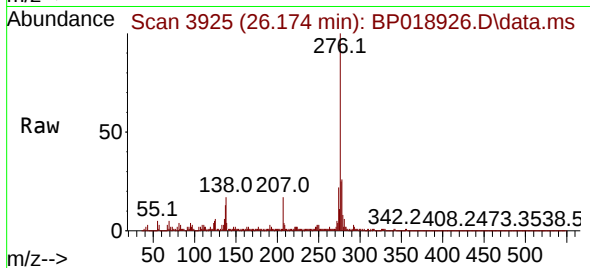
279 30.3 18.7 28.1

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Reviewed By :Yogesh Patel 12/19/2023

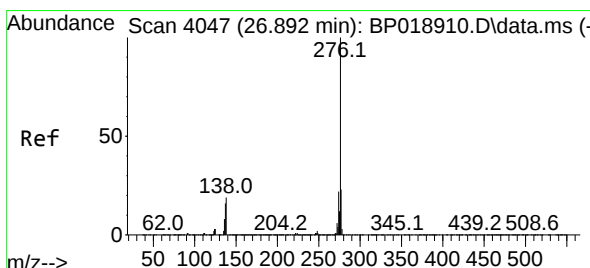
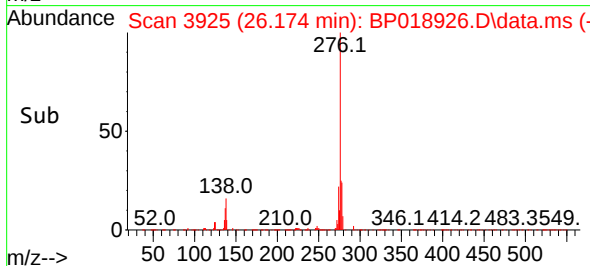
Supervised By :mohammad ahmed 12/20/2023



12/19/2023

Supervised By :mohammad
ahmed

12/20/2023



#96

Benzo(g,h,i)perylene

Concen: 22.560 ng/ul

RT: 26.939 min Scan# 4055

Delta R.T. 0.065 min

Lab File: BP018926.D

Acq: 19 Dec 2023 02:06

Tgt Ion:276 Resp: 1922326

Ion Ratio Lower Upper

276 100

138 18.0 18.1 27.1#

277 25.2 19.4 29.0

