

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018920.D
 Acq On : 18 Dec 2023 22:42
 Operator : MA/JU
 Sample : 05794-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q3

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 00:09:44 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	271767	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	1007206	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	569811	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	1008862	20.000	ng/u1	0.00
79) Chrysene-d12	21.316	240	942530	20.000	ng/u1	# 0.01
88) Perylene-d12	23.686	264	1255658	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	17892	2.243	ng/uL	0.00
4) Pyridine-d5	3.687	84	27382	1.282	ng/u1	0.01
7) Phenol-d5	7.011	99	335185	12.290	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.169	67	197051	12.191	ng/u1	0.00
11) 2-Chlorophenol-d4	7.364	132	270266	12.700	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	220831	10.005	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	133626	14.906	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	140613	15.129	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	275852	14.515	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	175361	7.061	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	754839	14.843	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	867820	15.497	ng/u1	0.00
54) 4-Nitrophenol-d4	14.687	143	64061	7.674	ng/u1	0.02
60) Fluorene-d10	15.457	176	614013	14.384	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.592	200	19501	3.224	ng/u1	0.01
73) Anthracene-d10	17.316	188	826757	15.588	ng/u1	0.00
81) Pyrene-d10	19.557	212	937325	12.776	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.533	264	1120913	15.310	ng/u1	0.02
Target Compounds						
						Qvalue
8) Phenol	7.034	94	62228	2.327	ng/u1	100
16) Acetophenone	8.658	105	338549	10.292	ng/u1	99
30) Naphthalene	10.675	128	366637	6.001	ng/u1	99
36) 2-Methylnaphthalene	12.287	142	223101	5.154	ng/u1	99
37) 1-Methylnaphthalene	12.510	142	240432	5.500	ng/u1	99
43) 1,1'-Biphenyl	13.298	154	105359	2.138	ng/u1	99
50) Acenaphthylene	14.187	152	771925	12.260	ng/u1	99
52) Acenaphthene	14.528	153	416537	10.006	ng/u1	99
56) Dibenzofuran	14.863	168	827208	14.297	ng/u1	98
61) Fluorene	15.516	166	426665	9.320	ng/u1	98
72) Phenanthrene	17.269	178	10151484	166.607	ng/u1	98
74) Anthracene	17.351	178	2328090	38.118	ng/u1	99
77) Carbazole	17.628	167	646257	13.277	ng/u1	99
80) Fluoranthene	19.239	202	11600984m	133.768	ng/u1	
82) Pyrene	19.592	202	10154684	116.068	ng/u1#	91
85) Benzo(a)anthracene	21.298	228	6126515	80.081	ng/u1	96
87) Chrysene	21.351	228	5310572	75.379	ng/u1	96
90) Benzo(b)fluoranthene	22.974	252	6872947	74.237	ng/u1	97
91) Benzo(k)fluoranthene	23.010	252	2554036	28.512	ng/u1	95
93) Benzo(a)pyrene	23.586	252	5140678m	60.769	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.163	276	3389199	33.532	ng/u1#	93
95) Dibenzo(a,h)anthracene	26.168	278	914576	10.878	ng/u1	95
96) Benzo(g,h,i)perylene	26.921	276	2097395	25.785	ng/u1	95

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 23:34:47 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

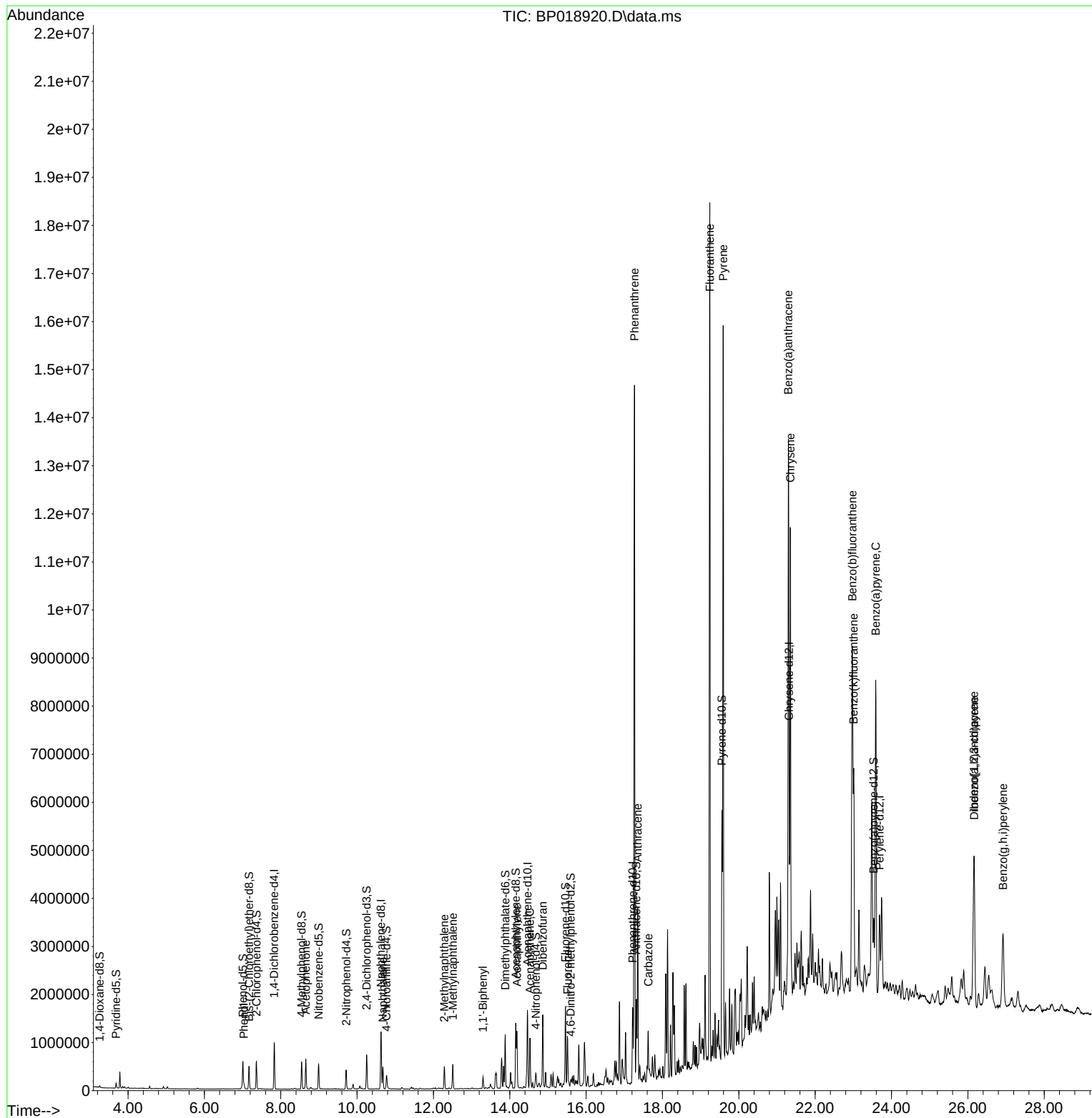
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
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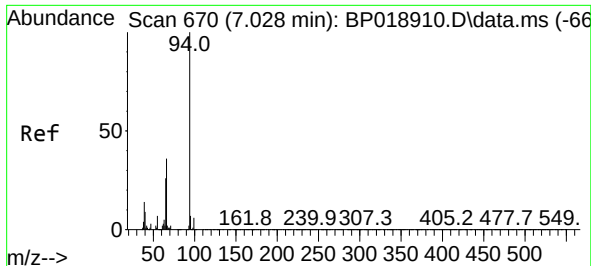
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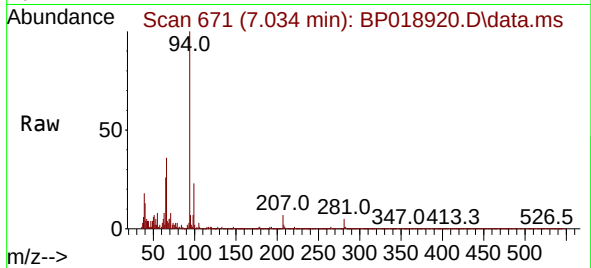
Quant Time: Dec 19 00:09:44 2023
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#8
Phenol
Concen: 2.327 ng/ul
RT: 7.034 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42

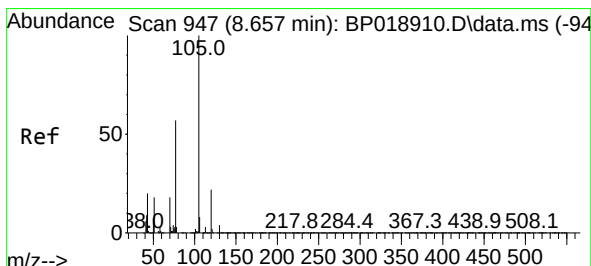
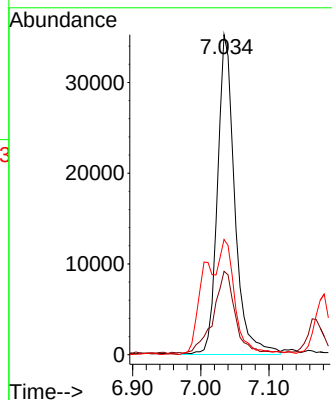
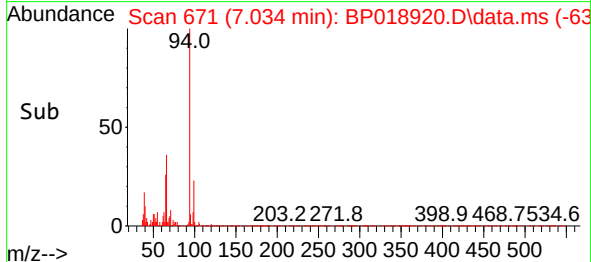
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 94 Resp: 62228
Ion Ratio Lower Upper
94 100
65 26.1 21.0 31.6
66 36.0 28.6 43.0

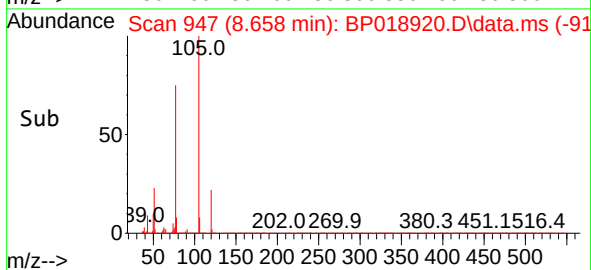
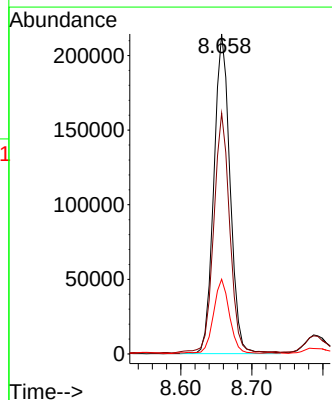
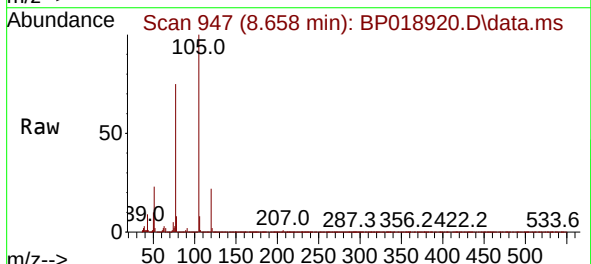
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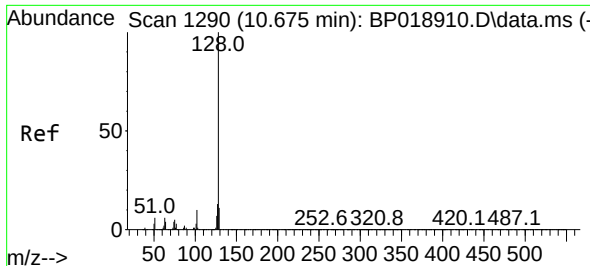
Reviewed By :Yogesh Patel 12/19/2023
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#16
Acetophenone
Concen: 10.292 ng/ul
RT: 8.658 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42

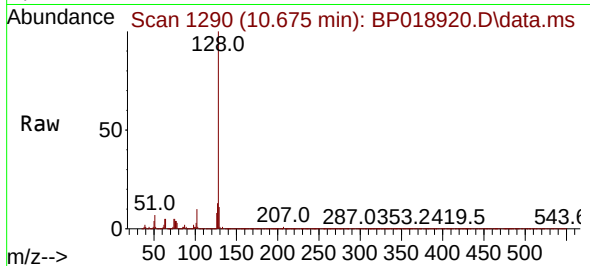
Tgt Ion:105 Resp: 338549
Ion Ratio Lower Upper
105 100
77 75.2 59.4 89.0
51 23.3 19.4 29.0





#30
Naphthalene
Concen: 6.001 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42

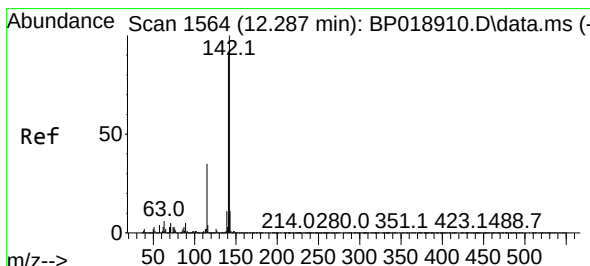
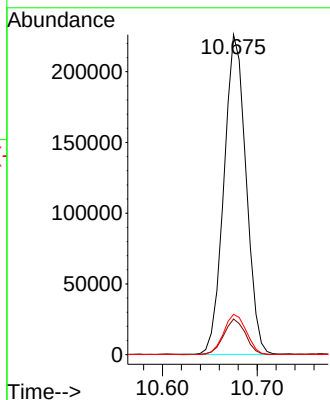
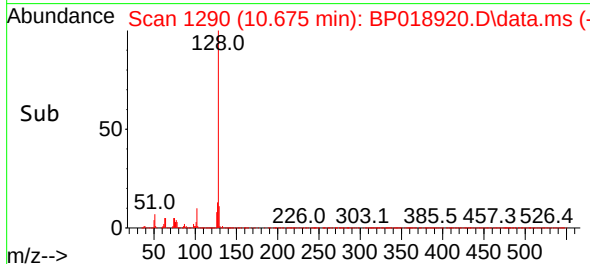
Instrument :
BNA_P
ClientSampleId :
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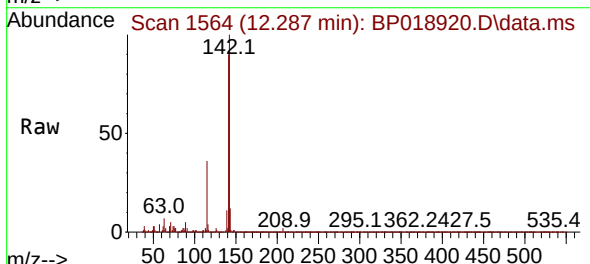
Tgt Ion:128 Resp: 36663
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 12.6 10.5 15.7

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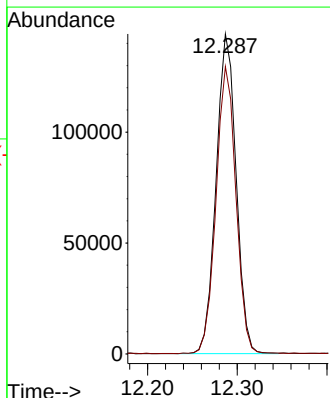
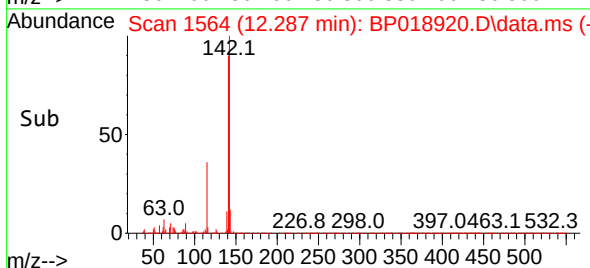
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

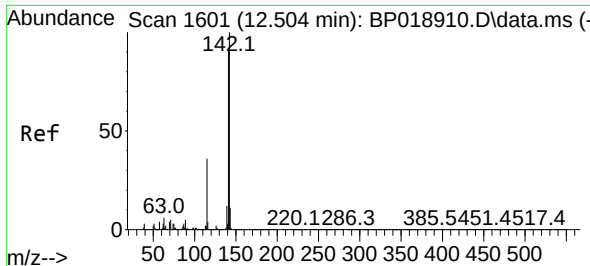


#36
2-Methylnaphthalene
Concen: 5.154 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42



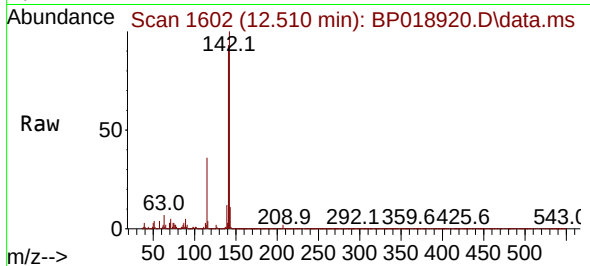
Tgt Ion:142 Resp: 223101
Ion Ratio Lower Upper
142 100
141 89.8 71.4 107.0





#37
1-Methylnaphthalene
Concen: 5.500 ng/ul
RT: 12.510 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42

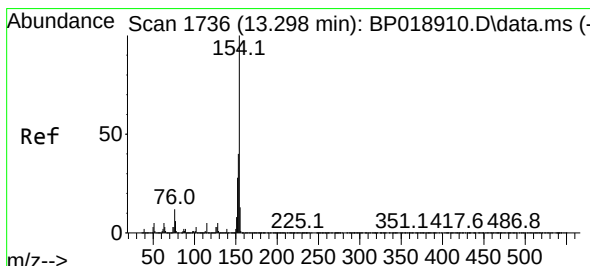
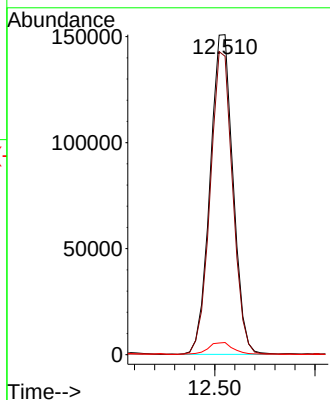
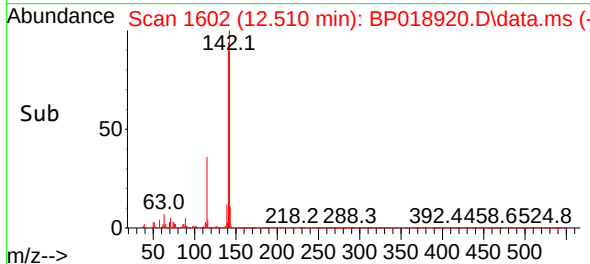
Instrument :
BNA_P
ClientSampleId :
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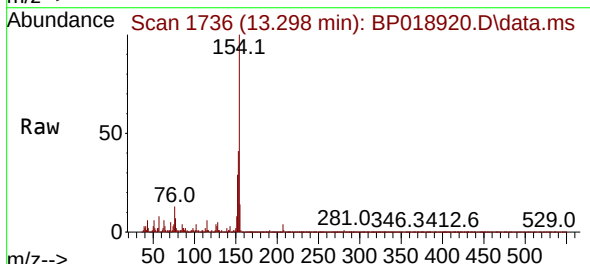
Tgt Ion:142 Resp: 240432
Ion Ratio Lower Upper
142 100
141 93.3 73.5 110.3
116 3.8 2.8 4.2

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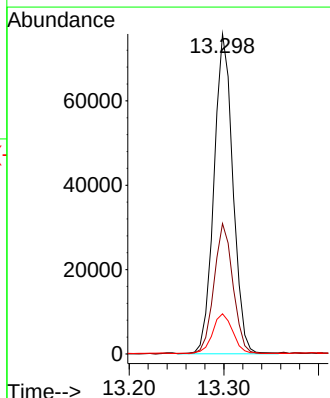
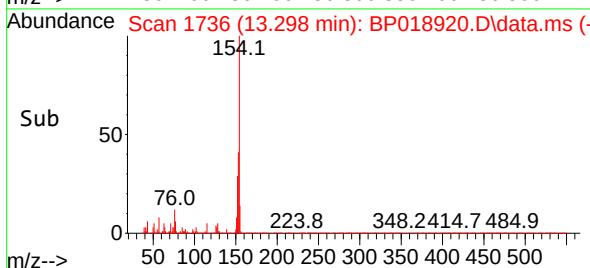
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

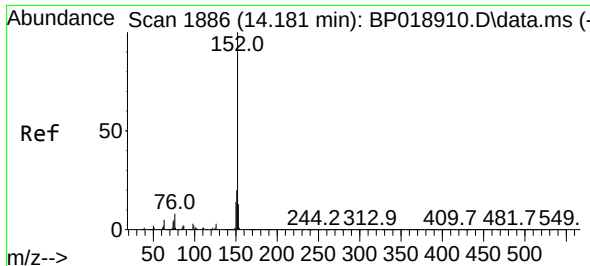


#43
1,1'-Biphenyl
Concen: 2.138 ng/ul
RT: 13.298 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42



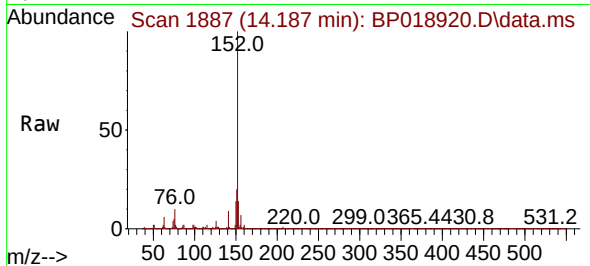
Tgt Ion:154 Resp: 105359
Ion Ratio Lower Upper
154 100
153 40.7 32.8 49.2
76 12.6 10.7 16.1





#50
Acenaphthylene
Concen: 12.260 ng/ul
RT: 14.187 min Scan# 1886
Delta R.T. 0.000 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42

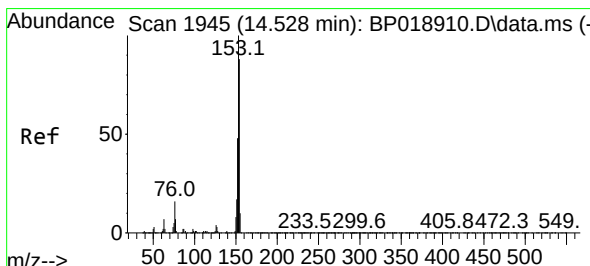
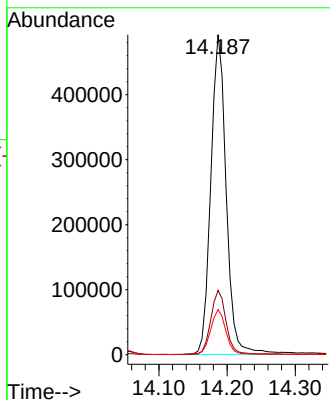
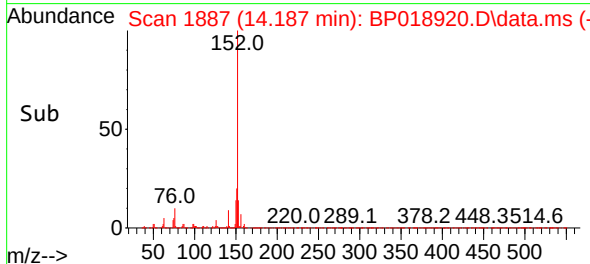
Instrument :
BNA_P
ClientSampleId :
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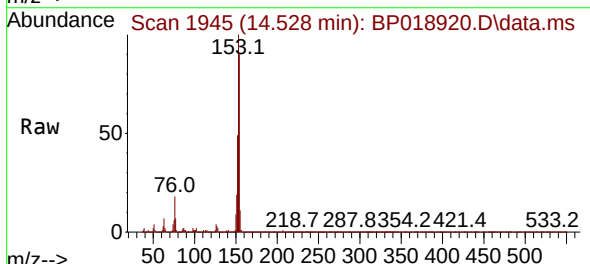
Tgt Ion:152 Resp: 771925
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 14.1 10.6 16.0

Manual Integrations
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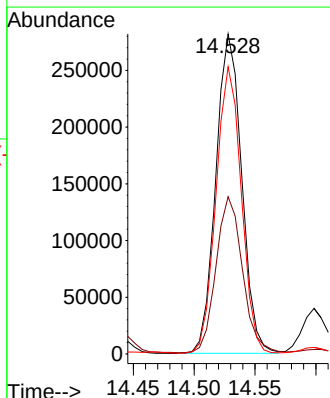
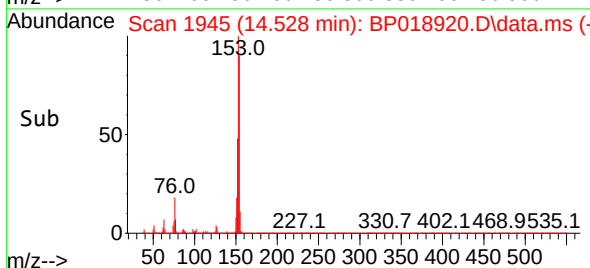
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Supervised By :mohammad ahmed 12/20/2023

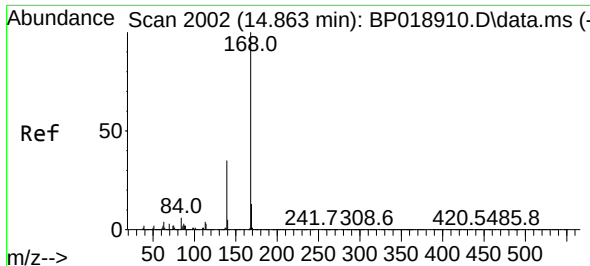


#52
Acenaphthene
Concen: 10.006 ng/ul
RT: 14.528 min Scan# 1945
Delta R.T. 0.000 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42



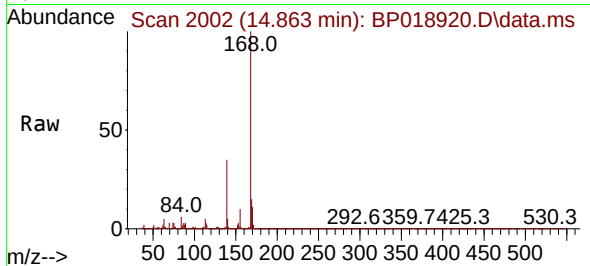
Tgt Ion:153 Resp: 416537
Ion Ratio Lower Upper
153 100
152 49.2 38.1 57.1
154 89.8 71.7 107.5





#56
Dibenzenofuran
Concen: 14.297 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42

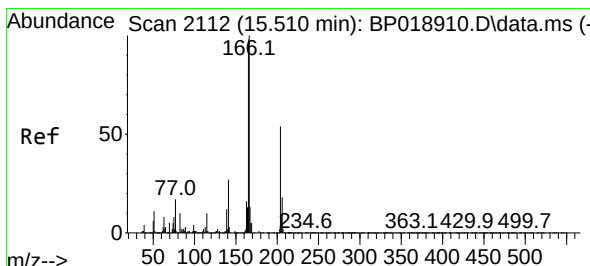
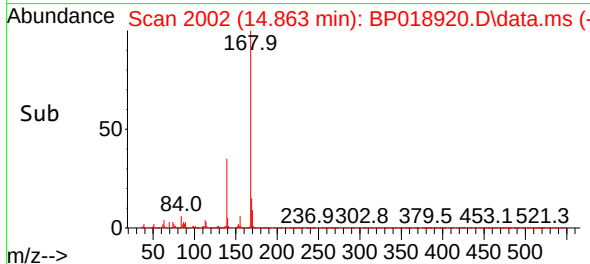
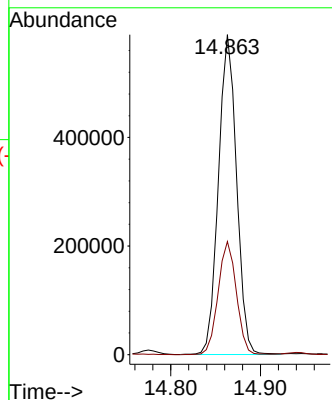
Instrument :
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Tgt Ion:168 Resp: 827208
Ion Ratio Lower Upper
168 100
139 35.3 29.1 43.7

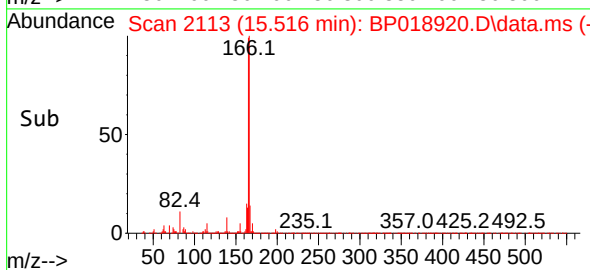
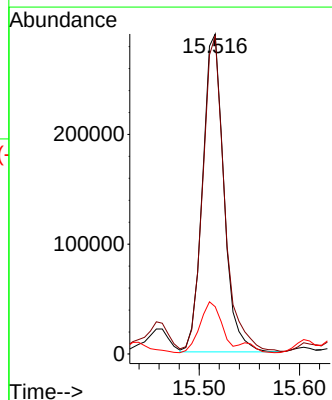
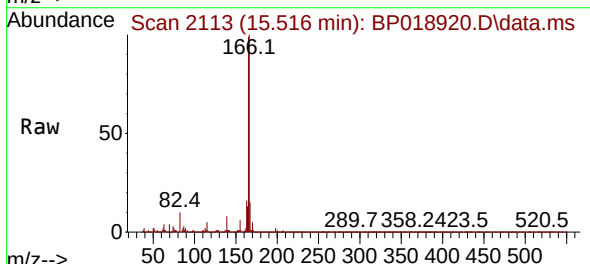
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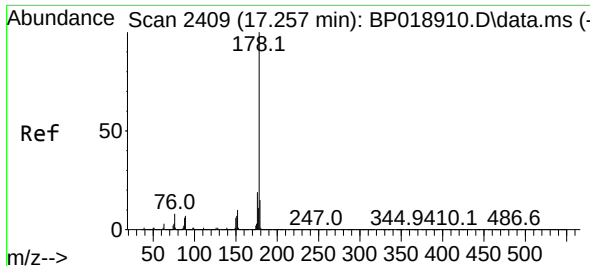
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#61
Fluorene
Concen: 9.320 ng/ul
RT: 15.516 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42

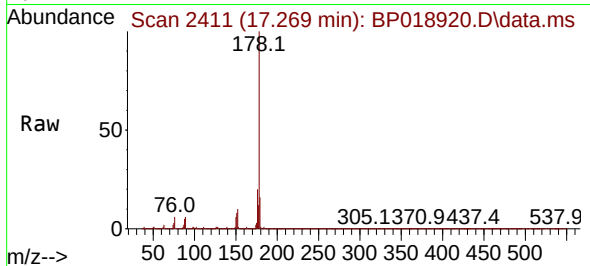
Tgt Ion:166 Resp: 426665
Ion Ratio Lower Upper
166 100
165 99.3 78.0 117.0
167 14.7 10.8 16.2





#72
Phenanthrene
Concen: 166.607 ng/ul
RT: 17.269 min Scan# 2411
Delta R.T. 0.012 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42

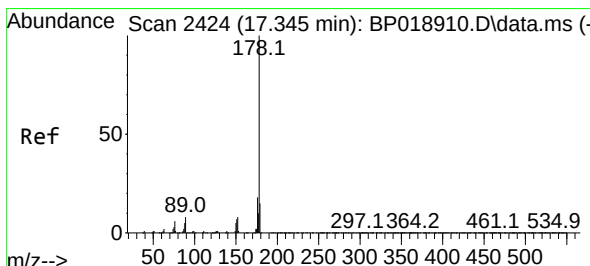
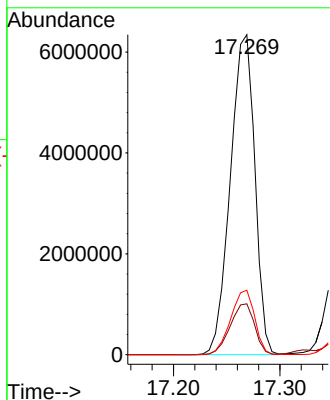
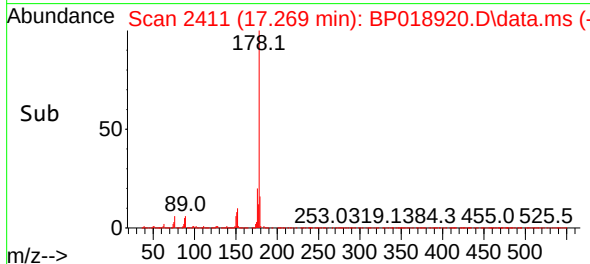
Instrument :
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ClientSampleId :
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Tgt Ion:178 Resp:10151484
Ion Ratio Lower Upper
178 100
179 15.9 12.3 18.5
176 20.2 15.4 23.2

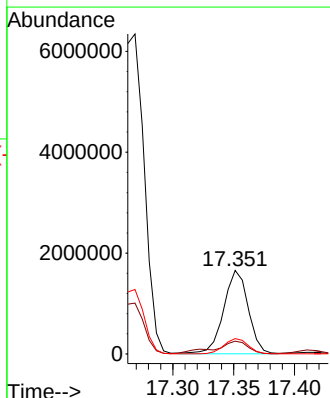
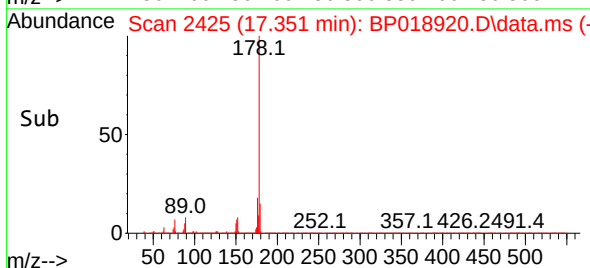
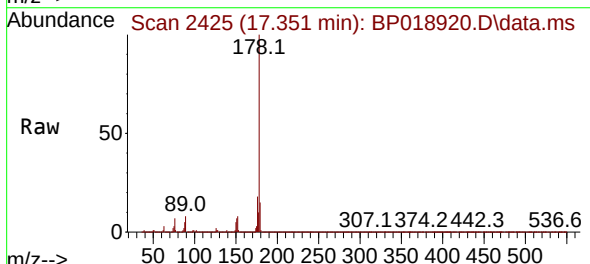
Manual Integrations
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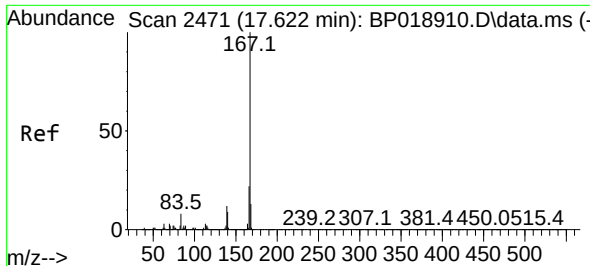
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#74
Anthracene
Concen: 38.118 ng/ul
RT: 17.351 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42

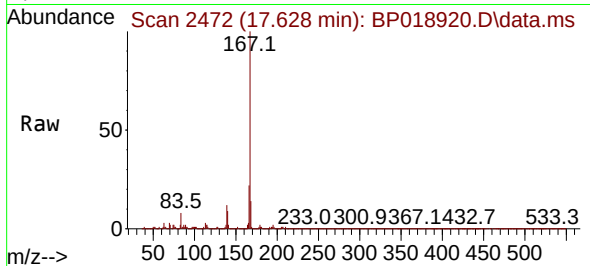
Tgt Ion:178 Resp: 2328090
Ion Ratio Lower Upper
178 100
179 15.4 12.5 18.7
176 18.4 15.0 22.6





#77
 Carbazole
 Concen: 13.277 ng/ul
 RT: 17.628 min Scan# 2471
 Delta R.T. 0.006 min
 Lab File: BP018920.D
 Acq: 18 Dec 2023 22:42

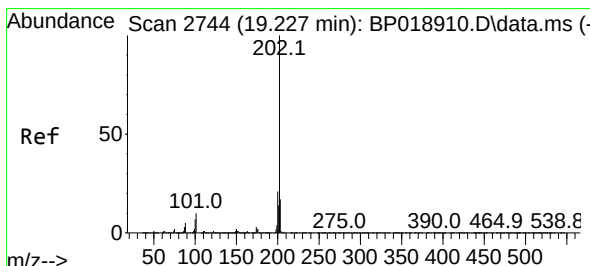
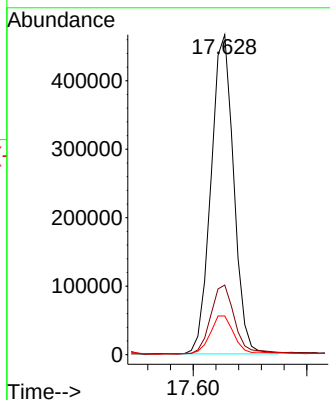
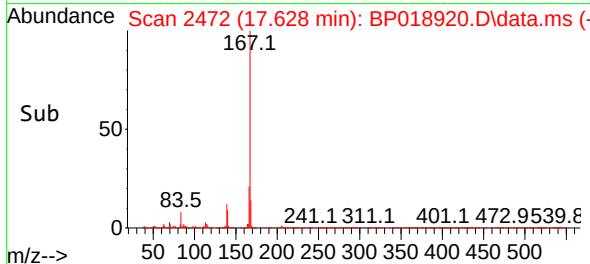
Instrument :
 BNA_P
 ClientSampleId :
 BH3Q3



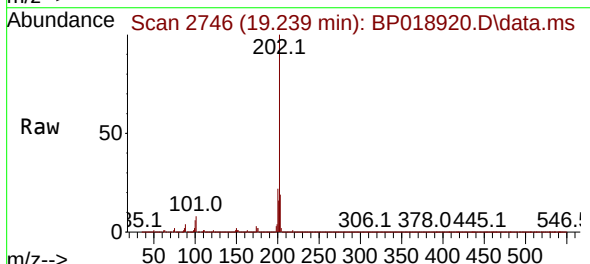
Tgt Ion:167 Resp: 64625
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.1 25.7
 139 12.1 10.2 15.4

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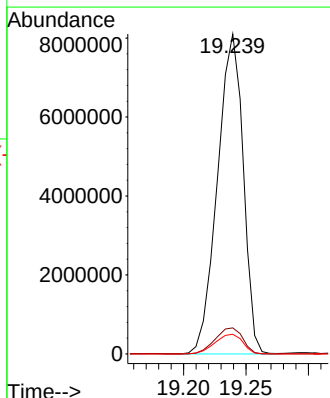
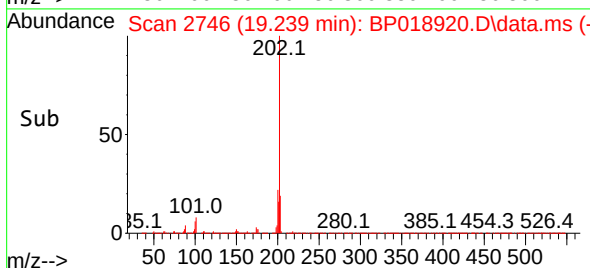
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

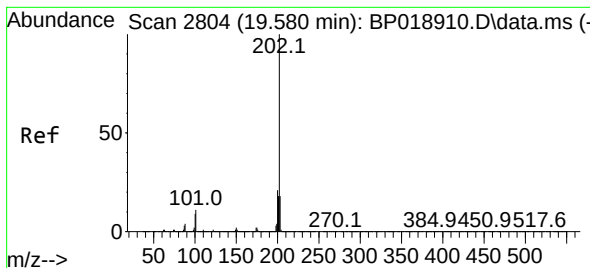


#80
 Fluoranthene
 Concen: 133.768 ng/ul m
 RT: 19.239 min Scan# 2746
 Delta R.T. 0.012 min
 Lab File: BP018920.D
 Acq: 18 Dec 2023 22:42



Tgt Ion:202 Resp:11600984
 Ion Ratio Lower Upper
 202 100
 101 8.1 9.1 13.7#
 100 6.2 7.1 10.7#





#82

Pyrene

Concen: 116.068 ng/u1

RT: 19.592 min Scan# 2806

Delta R.T. 0.012 min

Lab File: BP018920.D

Acq: 18 Dec 2023 22:42

Instrument :

BNA_P

ClientSampleId :

BH3Q3

Tgt Ion:202 Resp:1015468

Ion Ratio Lower Upper

202 100

101 9.7 11.0 16.4

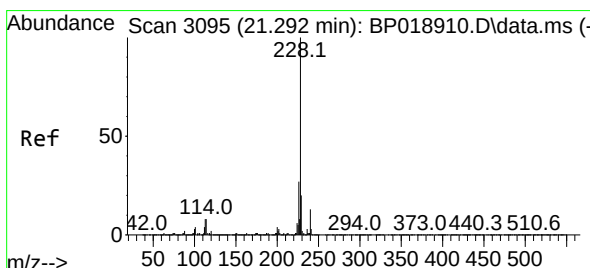
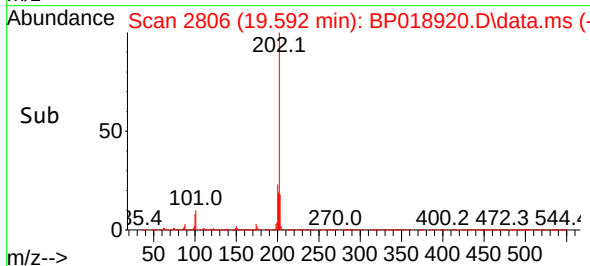
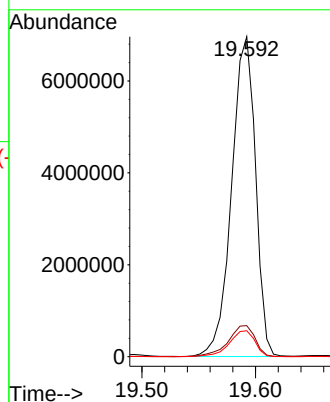
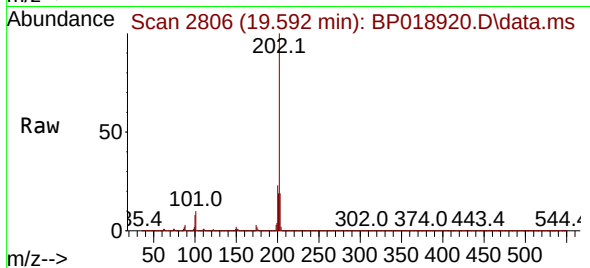
100 8.1 9.1 13.7

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#85

Benzo(a)anthracene

Concen: 80.081 ng/u1

RT: 21.298 min Scan# 3096

Delta R.T. 0.012 min

Lab File: BP018920.D

Acq: 18 Dec 2023 22:42

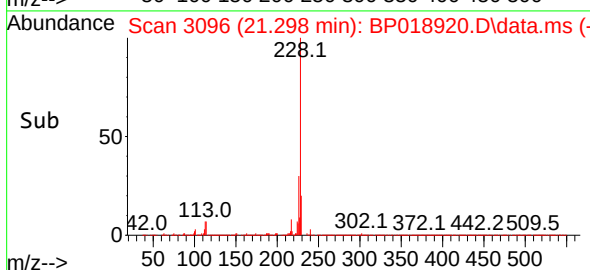
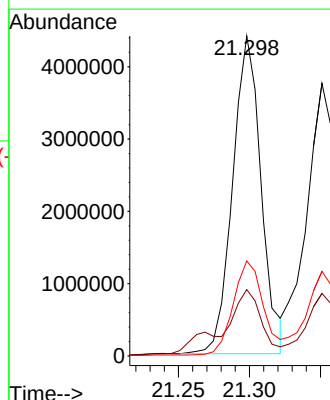
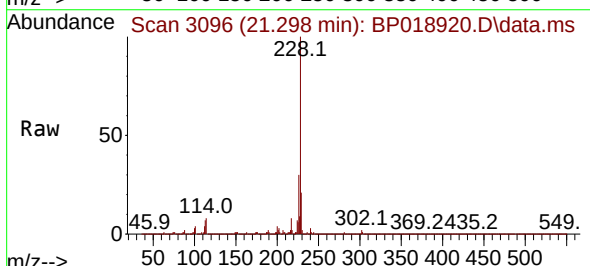
Tgt Ion:228 Resp: 6126515

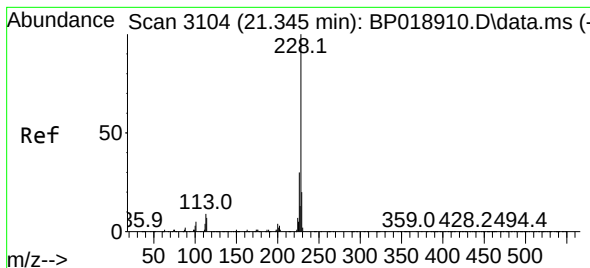
Ion Ratio Lower Upper

228 100

229 20.7 15.7 23.5

226 29.7 21.9 32.9





#87

Chrysene

Concen: 75.379 ng/ul

RT: 21.351 min Scan# 3105

Delta R.T. 0.012 min

Lab File: BP018920.D

Acq: 18 Dec 2023 22:42

Instrument :

BNA_P

ClientSampleId :

BH3Q3

Tgt Ion:228 Resp: 531057

Ion Ratio Lower Upper

228 100

226 31.0 23.9 35.9

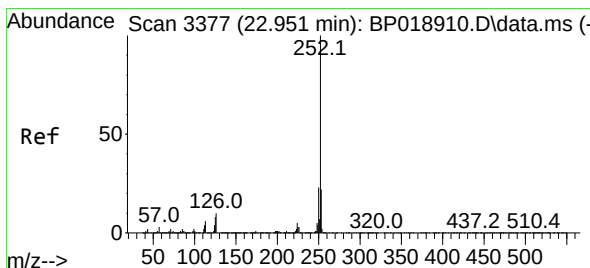
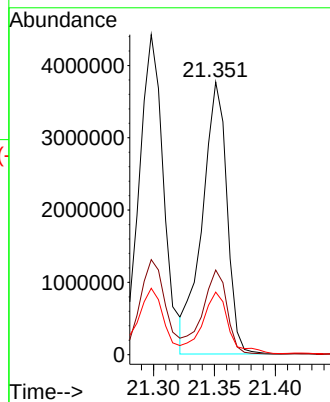
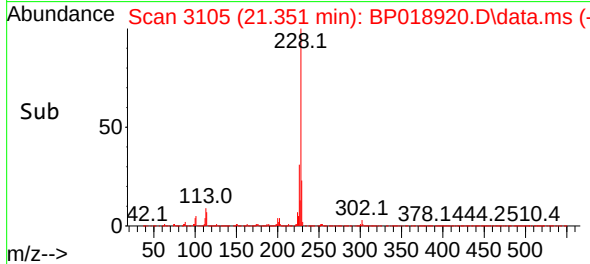
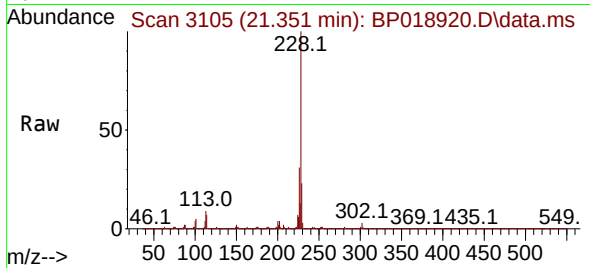
229 22.9 15.6 23.4

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#90

Benzo(b)fluoranthene

Concen: 74.237 ng/ul

RT: 22.974 min Scan# 3381

Delta R.T. 0.030 min

Lab File: BP018920.D

Acq: 18 Dec 2023 22:42

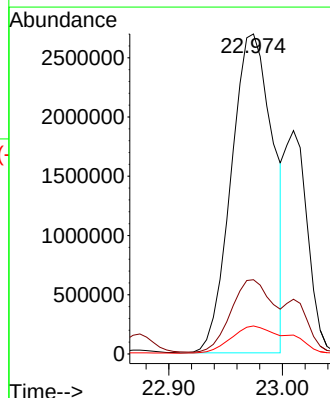
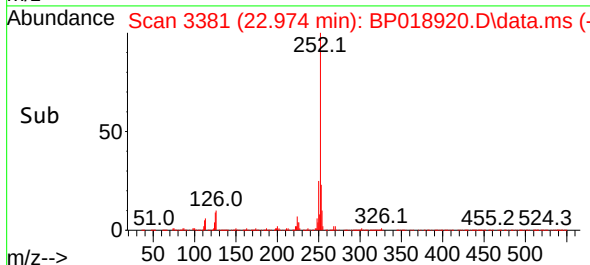
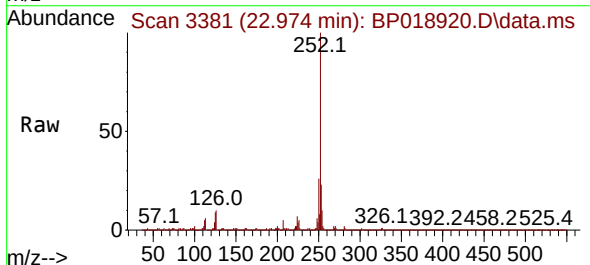
Tgt Ion:252 Resp: 6872947

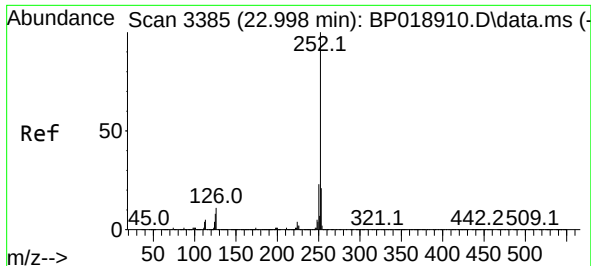
Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 8.8 7.8 11.6





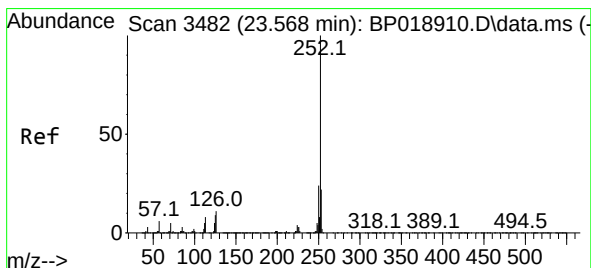
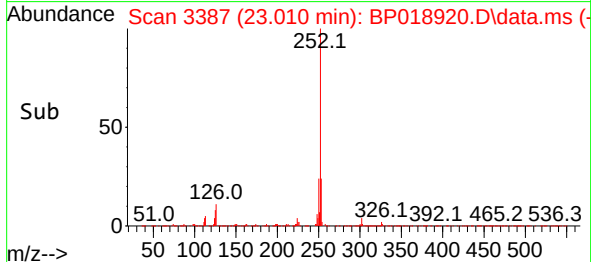
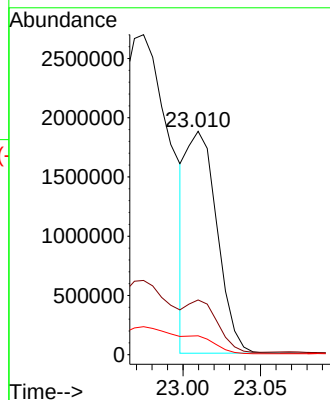
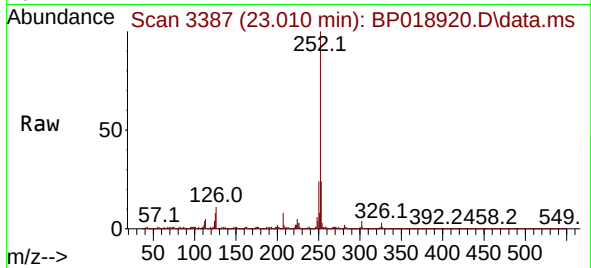
#91
Benzo(k)fluoranthene
Concen: 28.512 ng/u1
RT: 23.010 min Scan# 3385
Delta R.T. 0.018 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42

Instrument :
BNA_P
ClientSampleId :
BH3Q3

Tgt Ion:252 Resp: 2554036
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 8.4 8.0 12.0

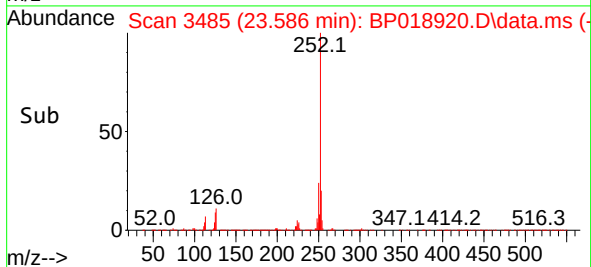
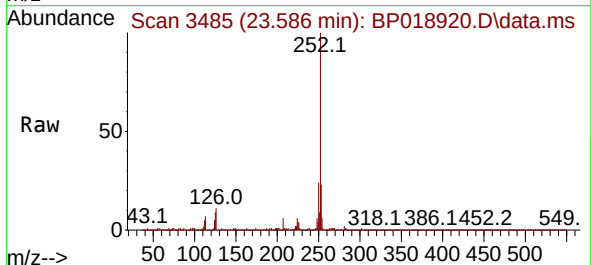
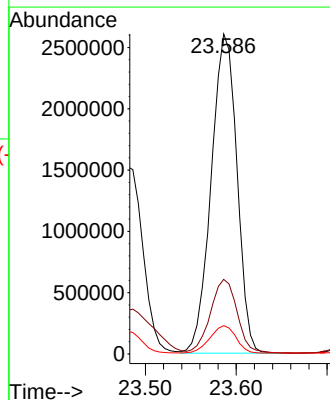
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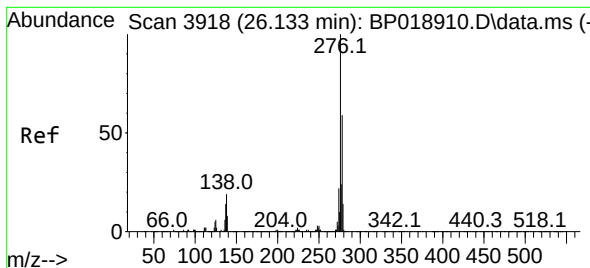
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#93
Benzo(a)pyrene
Concen: 60.769 ng/u1 m
RT: 23.586 min Scan# 3485
Delta R.T. 0.024 min
Lab File: BP018920.D
Acq: 18 Dec 2023 22:42

Tgt Ion:252 Resp: 5140678
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 8.9 9.2 13.8#





#94

Indeno(1,2,3-cd)pyrene

Concen: 33.532 ng/ul

RT: 26.163 min Scan# 3918

Delta R.T. 0.041 min

Lab File: BP018920.D

Acq: 18 Dec 2023 22:42

Instrument :

BNA_P

ClientSampleId :

BH3Q3

Tgt Ion:276 Resp: 338919

Ion Ratio Lower Upper

276 100

138 17.7 19.4 29.2

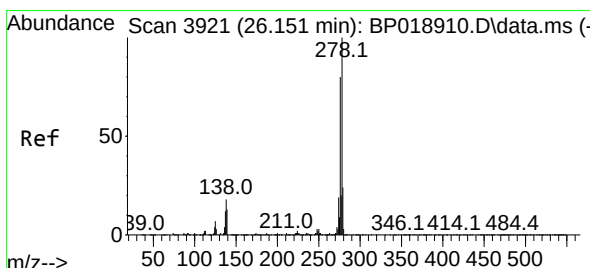
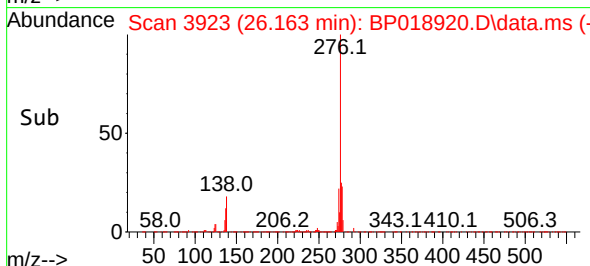
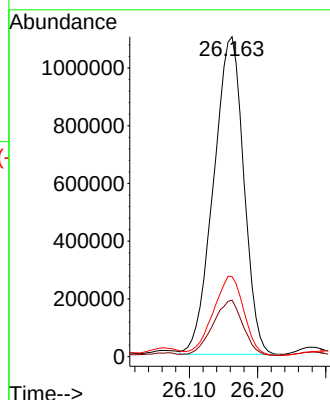
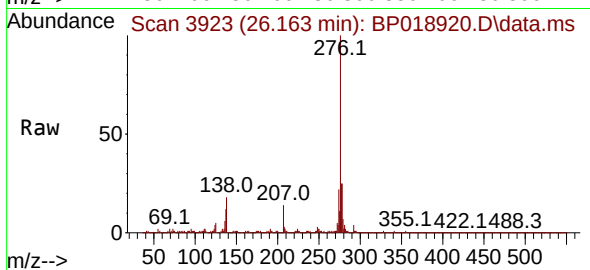
277 25.0 19.8 29.6

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#95

Dibenzo(a,h)anthracene

Concen: 10.878 ng/ul

RT: 26.168 min Scan# 3924

Delta R.T. 0.030 min

Lab File: BP018920.D

Acq: 18 Dec 2023 22:42

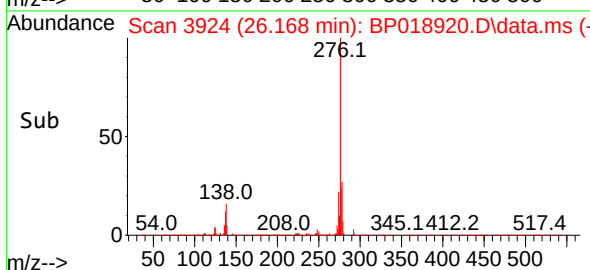
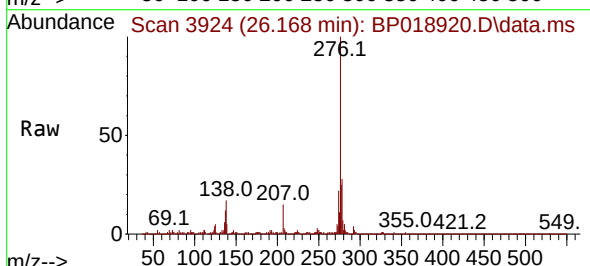
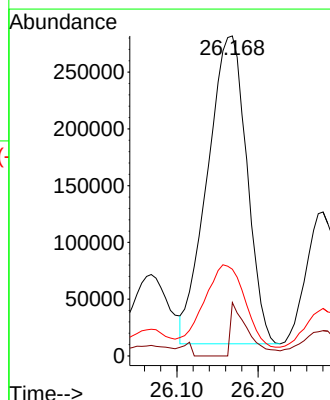
Tgt Ion:278 Resp: 914576

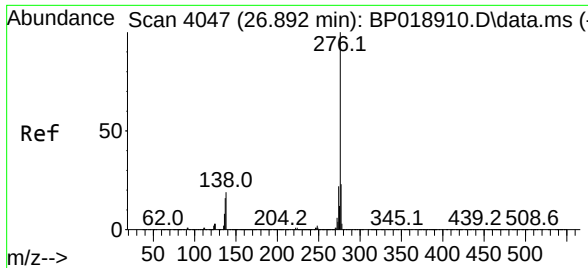
Ion Ratio Lower Upper

278 100

139 16.7 13.0 19.6

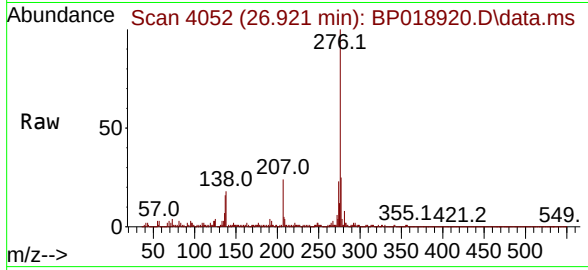
279 27.1 18.7 28.1





#96
 Benzo(g,h,i)perylene
 Concen: 25.785 ng/ul
 RT: 26.921 min Scan# 4052
 Delta R.T. 0.047 min
 Lab File: BP018920.D
 Acq: 18 Dec 2023 22:42

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q3



Tgt Ion:276 Resp: 209739
 Ion Ratio Lower Upper
 276 100
 138 18.1 18.1 27.1
 277 25.0 19.4 29.0

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

