

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018921.D
 Acq On : 18 Dec 2023 23:16
 Operator : MA/JU
 Sample : 05794-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q5

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 00:07:54 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	224014	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	821348	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	462178	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	932143	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	948593	20.000	ng/u1	0.00
88) Perylene-d12	23.680	264	1205952	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	11898	1.810	ng/uL	0.00
4) Pyridine-d5	3.687	84	21289	1.209	ng/u1	0.01
7) Phenol-d5	7.005	99	217560	9.678	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	131294	9.854	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	180032	10.263	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	155925	8.571	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	84960	11.622	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	89614	11.824	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.251	165	174900	11.286	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	124536	6.149	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	496972	12.048	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	577938	12.724	ng/u1	0.00
54) 4-Nitrophenol-d4	14.681	143	47722	7.048	ng/u1	0.01
60) Fluorene-d10	15.457	176	429031	12.391	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	25950	4.643	ng/u1	0.00
73) Anthracene-d10	17.316	188	649876	13.262	ng/u1	0.00
81) Pyrene-d10	19.557	212	814459	11.030	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.527	264	900606	12.808	ng/u1	0.01
Target Compounds					Qvalue	
6) Benzaldehyde	6.975	77	14514	1.250	ng/u1	89
8) Phenol	7.034	94	35312	1.602	ng/u1	99
16) Acetophenone	8.657	105	190944	7.042	ng/u1	97
30) Naphthalene	10.675	128	65749	1.320	ng/u1	99
50) Acenaphthylene	14.187	152	102073	1.999	ng/u1	99
52) Acenaphthene	14.528	153	121416	3.596	ng/u1	99
56) Dibenzofuran	14.863	168	82761	1.764	ng/u1	100
61) Fluorene	15.510	166	121241	3.265	ng/u1	98
72) Phenanthrene	17.257	178	2171717	38.576	ng/u1	100
74) Anthracene	17.351	178	573858	10.169	ng/u1	99
77) Carbazole	17.622	167	219063	4.871	ng/u1	98
80) Fluoranthene	19.233	202	4356484m	49.912	ng/u1	
82) Pyrene	19.586	202	3908448	44.388	ng/u1#	93
85) Benzo(a)anthracene	21.292	228	2521789	32.752	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.221	149	78528	1.772	ng/u1#	93
87) Chrysene	21.345	228	2317308	32.682	ng/u1	97
90) Benzo(b)fluoranthene	22.963	252	3299316	37.106	ng/u1	98
91) Benzo(k)fluoranthene	23.004	252	1074122m	12.485	ng/u1	
93) Benzo(a)pyrene	23.474	252	1555082	19.141	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.145	276	1720730	17.726	ng/u1#	93
95) Dibenzo(a,h)anthracene	26.157	278	466151	5.773	ng/u1#	90
96) Benzo(g,h,i)perylene	26.904	276	1050982	13.453	ng/u1	96

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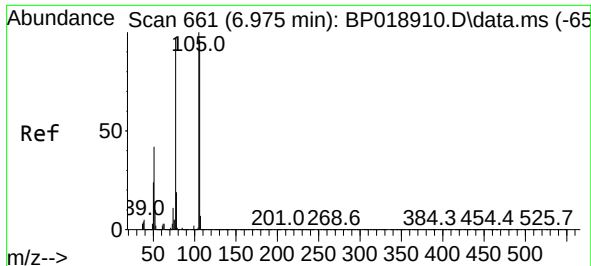
Manual Integrations
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 Supervised By :mohammad ahmed 12/20/2023

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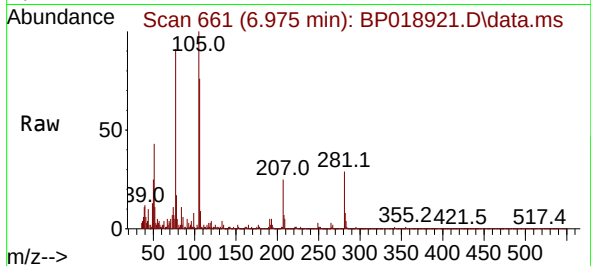
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#6
Benzaldehyde
Concen: 1.250 ng/ul
RT: 6.975 min Scan# 601
Delta R.T. 0.000 min
Lab File: BP018921.D
Acq: 18 Dec 2023 23:16

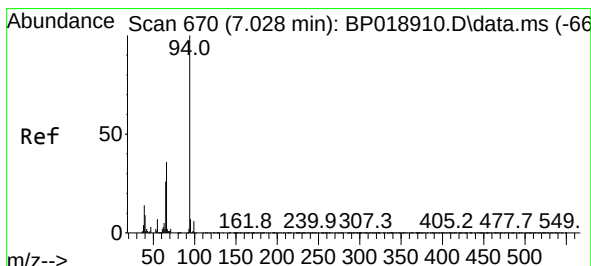
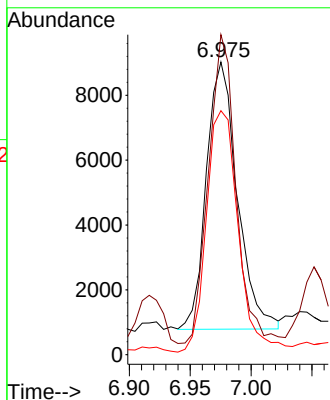
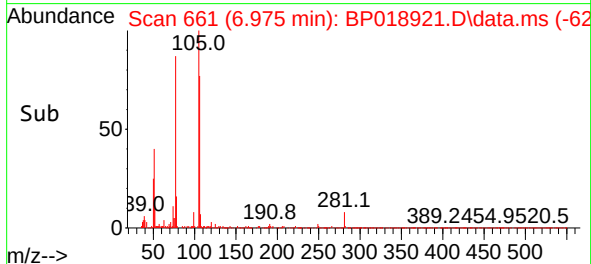
Instrument :
BNA_P
ClientSampleId :
BH3Q5



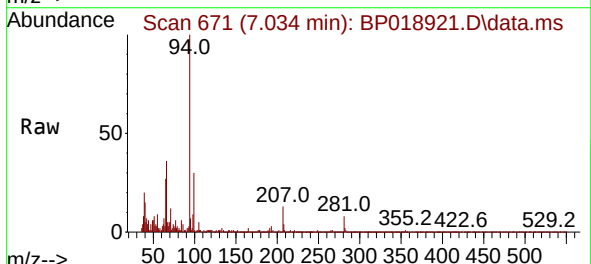
Tgt Ion: 77 Resp: 14514
Ion Ratio Lower Upper
77 100
105 109.4 77.9 116.9
106 83.4 74.6 111.8

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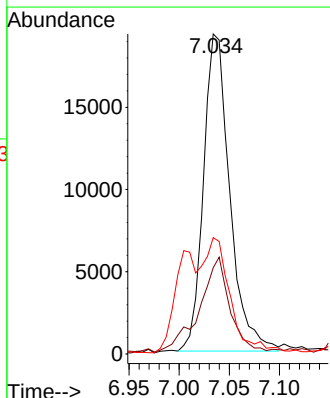
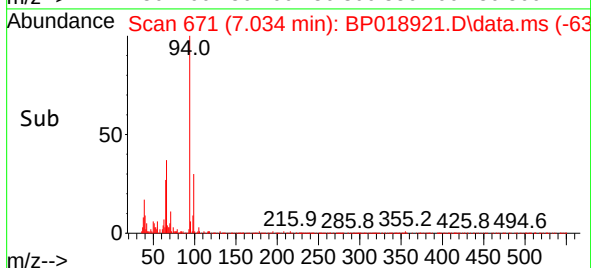
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

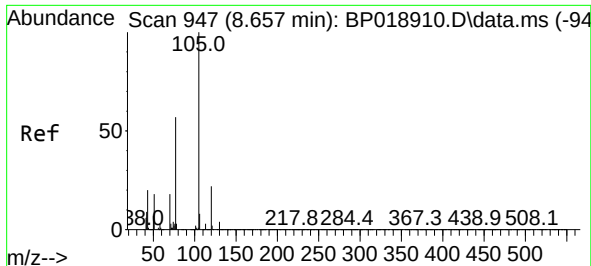


#8
Phenol
Concen: 1.602 ng/ul
RT: 7.034 min Scan# 671
Delta R.T. 0.006 min
Lab File: BP018921.D
Acq: 18 Dec 2023 23:16



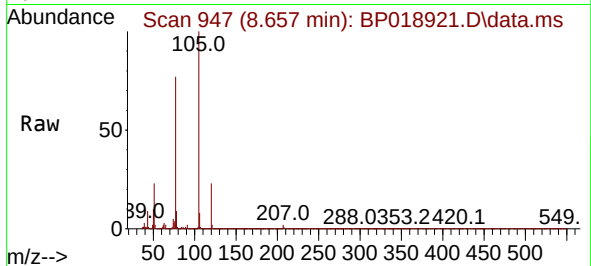
Tgt Ion: 94 Resp: 35312
Ion Ratio Lower Upper
94 100
65 26.9 21.0 31.6
66 36.3 28.6 43.0





#16
Acetophenone
Concen: 7.042 ng/ul
RT: 8.657 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP018921.D
Acq: 18 Dec 2023 23:16

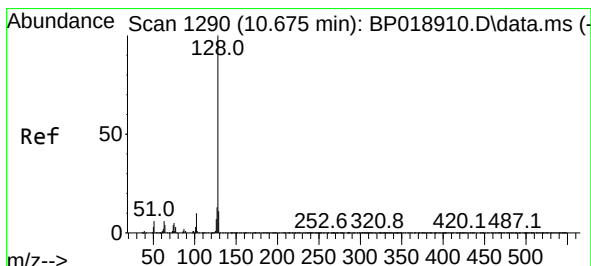
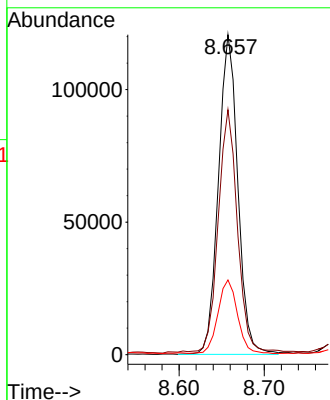
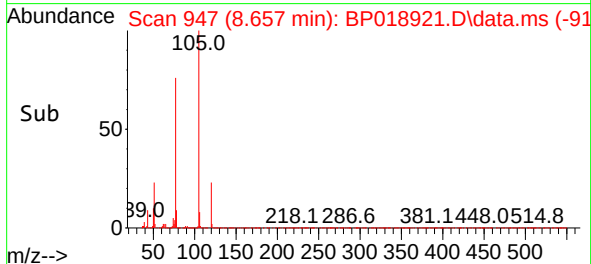
Instrument :
BNA_P
ClientSampleId :
BH3Q5



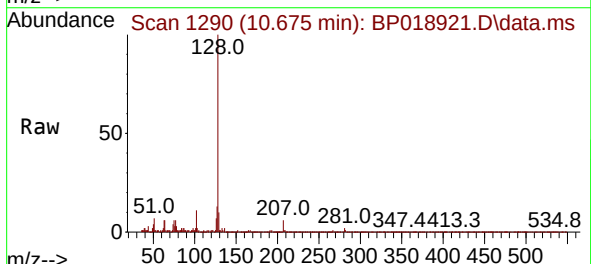
Tgt Ion:105 Resp: 190944
Ion Ratio Lower Upper
105 100
77 76.5 59.4 89.0
51 23.3 19.4 29.0

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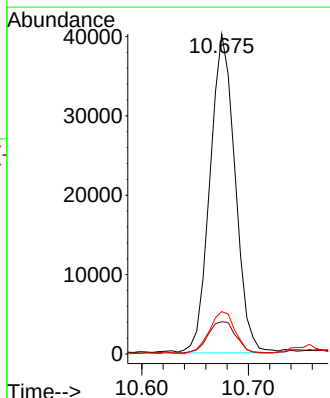
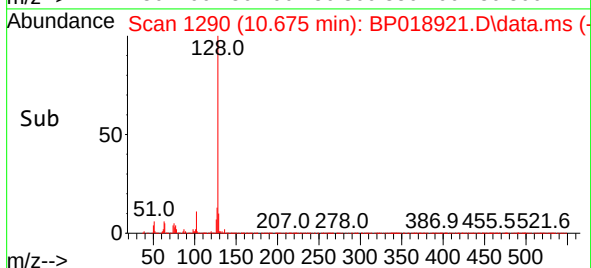
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

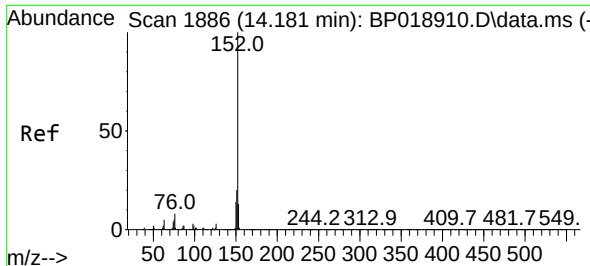


#30
Naphthalene
Concen: 1.320 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BP018921.D
Acq: 18 Dec 2023 23:16



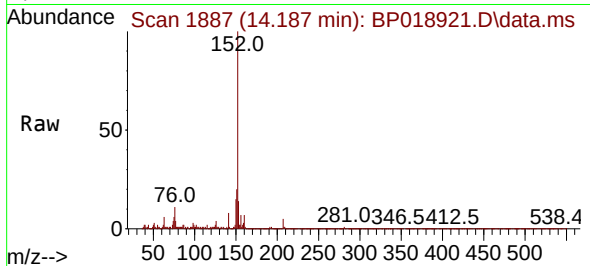
Tgt Ion:128 Resp: 65749
Ion Ratio Lower Upper
128 100
129 10.1 8.9 13.3
127 13.2 10.5 15.7





#50
Acenaphthylene
Concen: 1.999 ng/ul
RT: 14.187 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BP018921.D
Acq: 18 Dec 2023 23:16

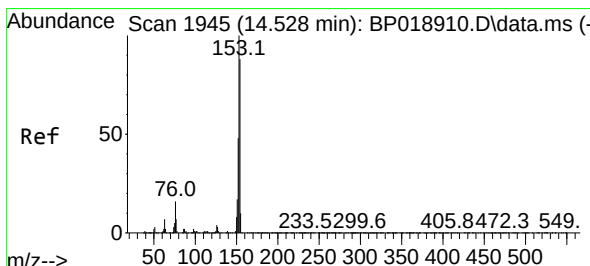
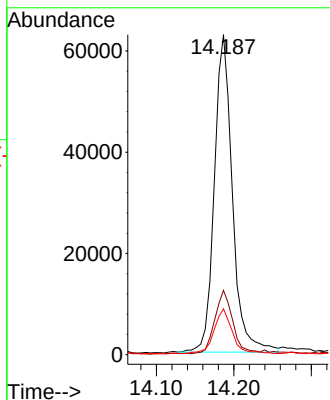
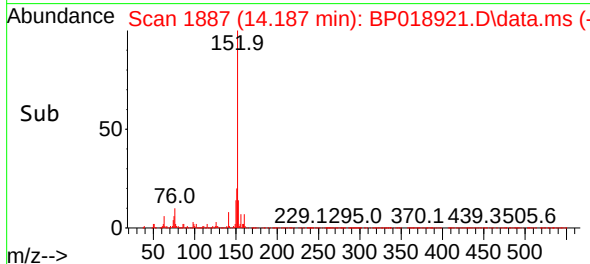
Instrument :
BNA_P
ClientSampleId :
BH3Q5



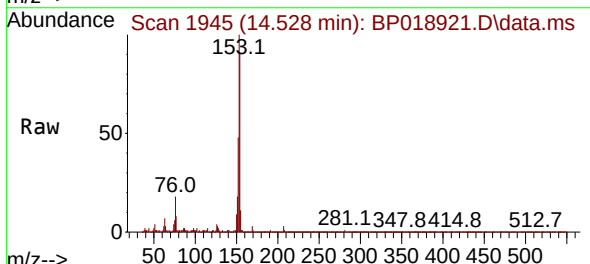
Tgt Ion:152 Resp: 10207
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 14.4 10.6 16.0

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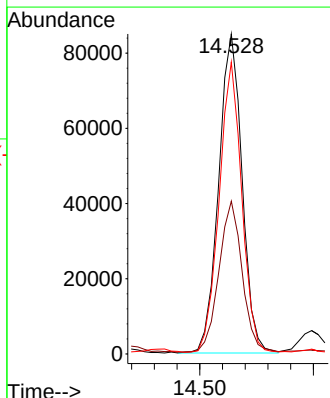
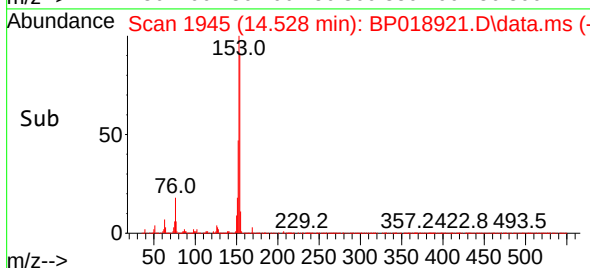
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

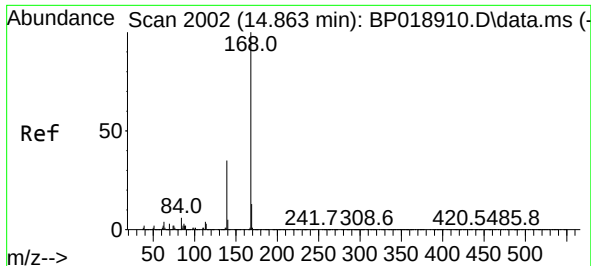


#52
Acenaphthene
Concen: 3.596 ng/ul
RT: 14.528 min Scan# 1945
Delta R.T. 0.000 min
Lab File: BP018921.D
Acq: 18 Dec 2023 23:16



Tgt Ion:153 Resp: 121416
Ion Ratio Lower Upper
153 100
152 47.7 38.1 57.1
154 91.2 71.7 107.5





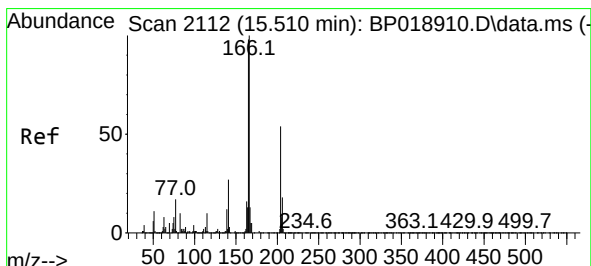
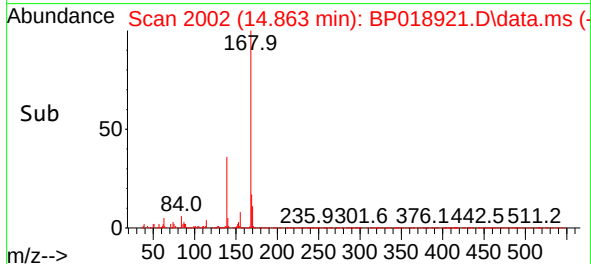
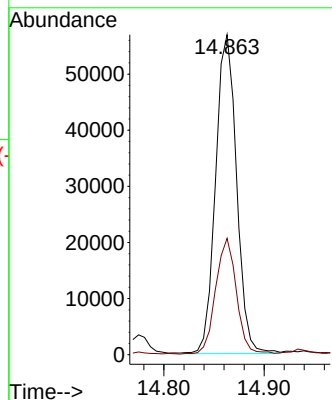
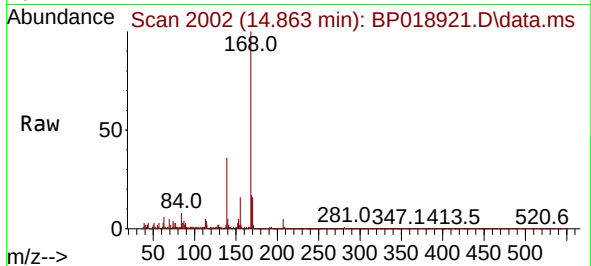
#56
Dibenzenofuran
Concen: 1.764 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BP018921.D
Acq: 18 Dec 2023 23:16

Instrument :
BNA_P
ClientSampleId :
BH3Q5

Tgt Ion:168 Resp: 8276
Ion Ratio Lower Upper
168 100
139 36.4 29.1 43.7

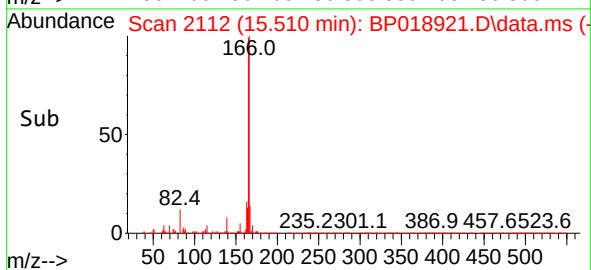
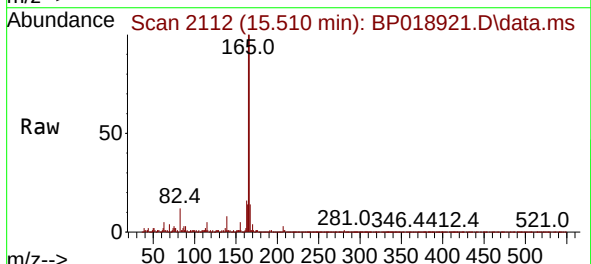
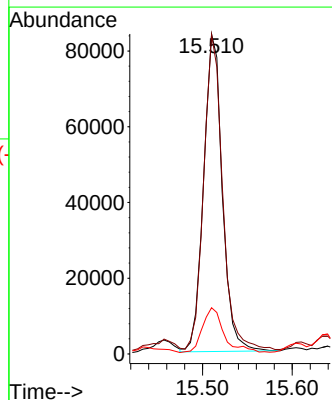
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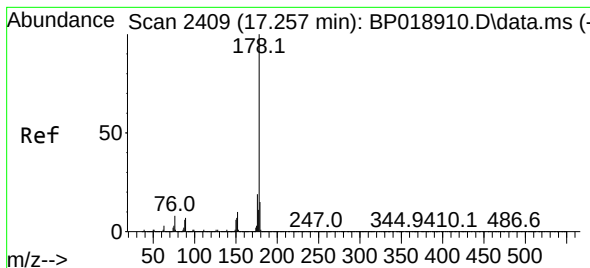
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#61
Fluorene
Concen: 3.265 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018921.D
Acq: 18 Dec 2023 23:16

Tgt Ion:166 Resp: 121241
Ion Ratio Lower Upper
166 100
165 99.8 78.0 117.0
167 14.5 10.8 16.2





#72

Phenanthrene

Concen: 38.576 ng/ul

RT: 17.257 min Scan# 2409

Delta R.T. 0.000 min

Lab File: BP018921.D

Acq: 18 Dec 2023 23:16

Instrument :

BNA_P

ClientSampleId :

BH3Q5

Tgt Ion:178 Resp: 217171

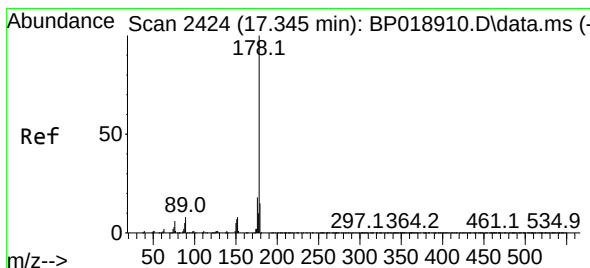
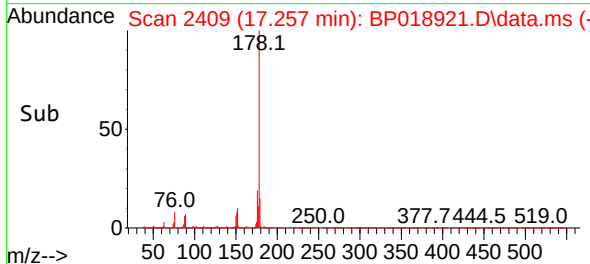
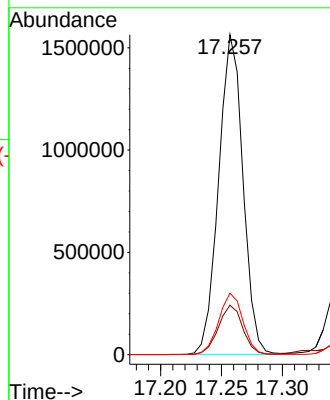
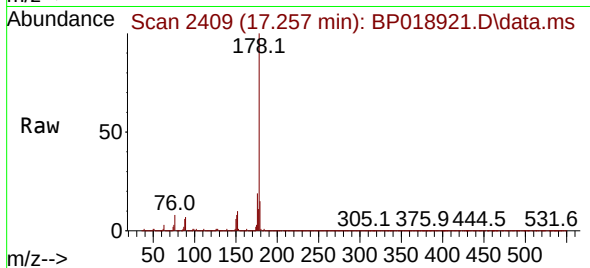
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.2	15.4	23.2

Manual Integrations

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Supervised By :mohammad ahmed 12/20/2023



#74

Anthracene

Concen: 10.169 ng/ul

RT: 17.351 min Scan# 2425

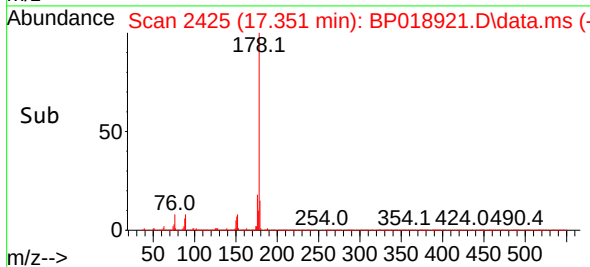
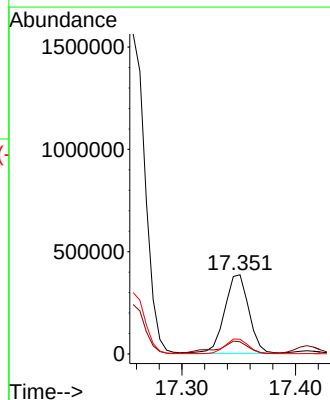
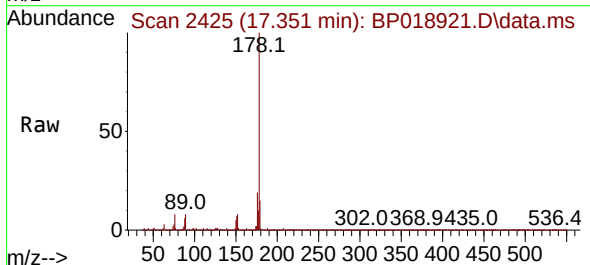
Delta R.T. 0.006 min

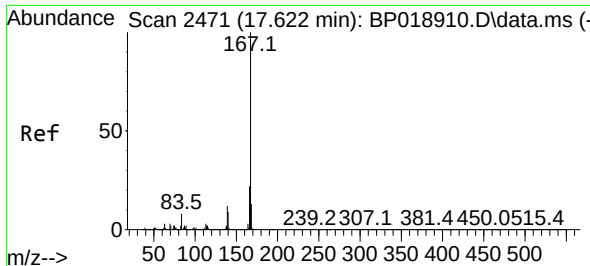
Lab File: BP018921.D

Acq: 18 Dec 2023 23:16

Tgt Ion:178 Resp: 573858

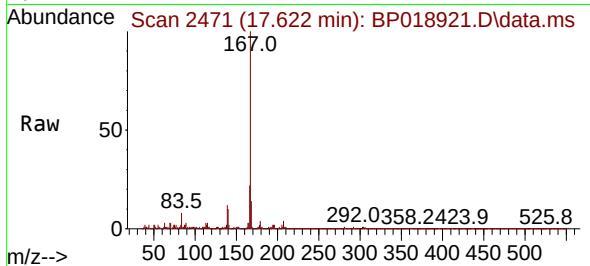
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7
176	18.5	15.0	22.6





#77
 Carbazole
 Concen: 4.871 ng/ul
 RT: 17.622 min Scan# 2471
 Delta R.T. 0.000 min
 Lab File: BP018921.D
 Acq: 18 Dec 2023 23:16

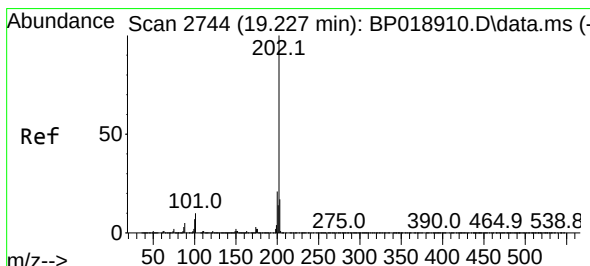
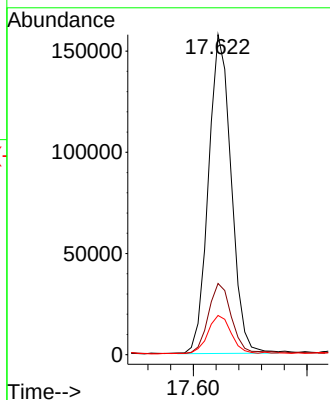
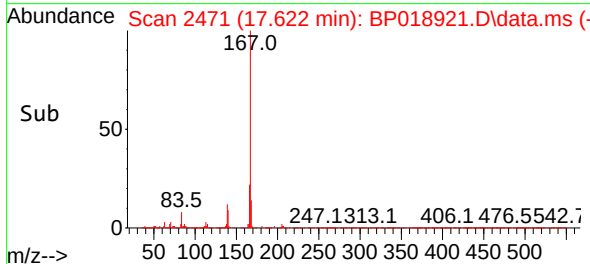
Instrument :
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 ClientSampleId :
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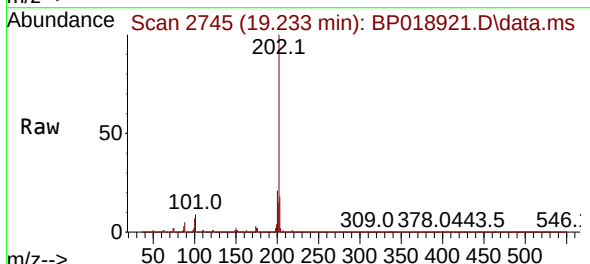
Tgt Ion:167 Resp: 219063
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.1 25.7
 139 12.2 10.2 15.4

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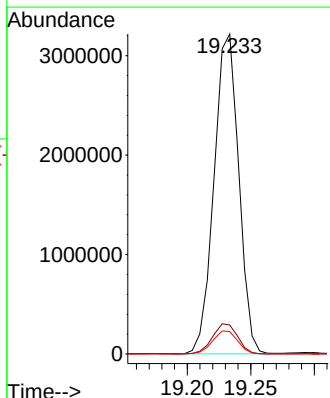
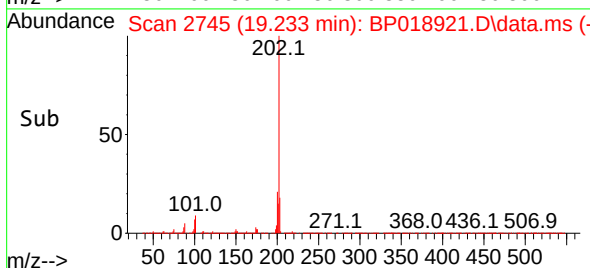
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

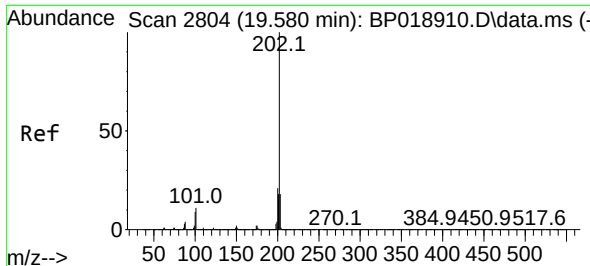


#80
 Fluoranthene
 Concen: 49.912 ng/ul m
 RT: 19.233 min Scan# 2745
 Delta R.T. 0.006 min
 Lab File: BP018921.D
 Acq: 18 Dec 2023 23:16



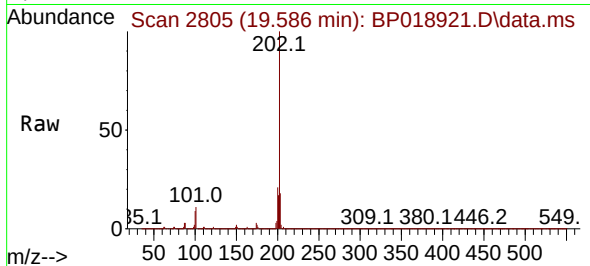
Tgt Ion:202 Resp: 4356484
 Ion Ratio Lower Upper
 202 100
 101 9.0 9.1 13.7#
 100 7.0 7.1 10.7#





#82
 Pyrene
 Concen: 44.388 ng/ul
 RT: 19.586 min Scan# 2805
 Delta R.T. 0.006 min
 Lab File: BP018921.D
 Acq: 18 Dec 2023 23:16

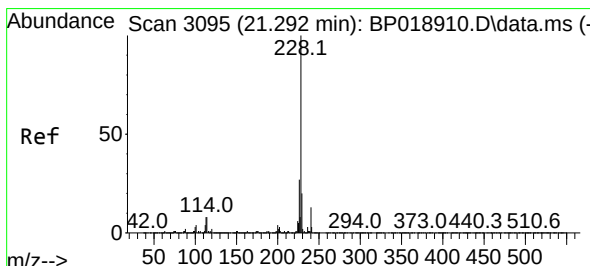
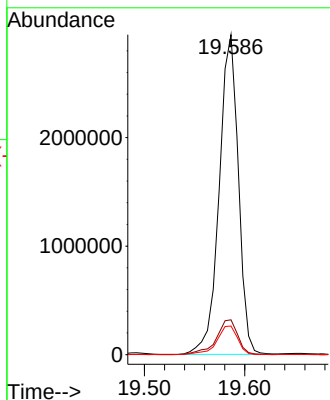
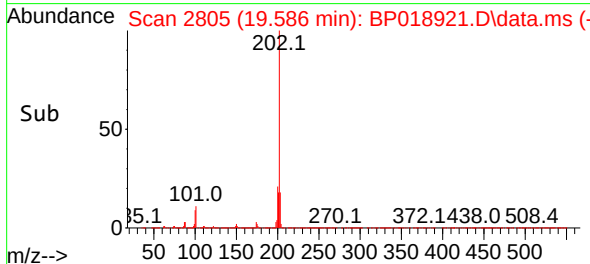
Instrument :
 BNA_P
 ClientSampleId :
 BH3Q5



Tgt Ion:202 Resp: 3908448
 Ion Ratio Lower Upper
 202 100
 101 10.9 11.0 16.4
 100 8.9 9.1 13.7

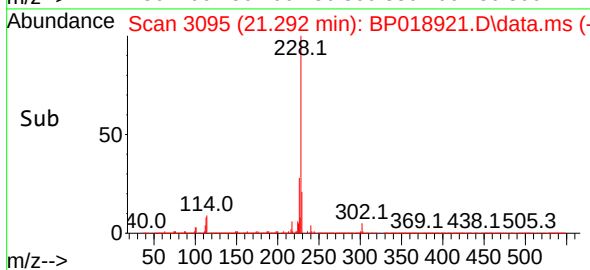
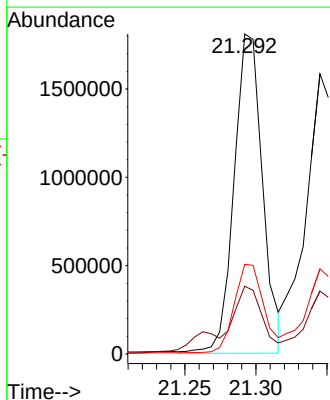
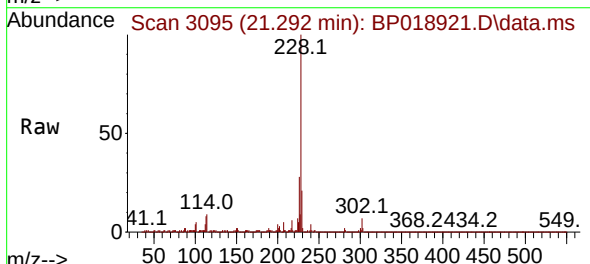
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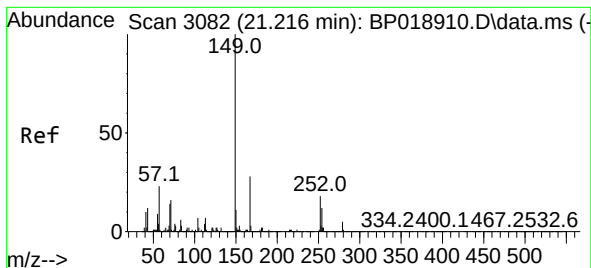
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023



#85
 Benzo(a)anthracene
 Concen: 32.752 ng/ul
 RT: 21.292 min Scan# 3095
 Delta R.T. 0.006 min
 Lab File: BP018921.D
 Acq: 18 Dec 2023 23:16

Tgt Ion:228 Resp: 2521789
 Ion Ratio Lower Upper
 228 100
 229 21.1 15.7 23.5
 226 28.0 21.9 32.9





#86

Bis(2-ethylhexyl)phthalate

Concen: 1.772 ng/ul

RT: 21.221 min Scan# 3083

Delta R.T. 0.006 min

Lab File: BP018921.D

Acq: 18 Dec 2023 23:16

Instrument :

BNA_P

ClientSampleId :

BH3Q5

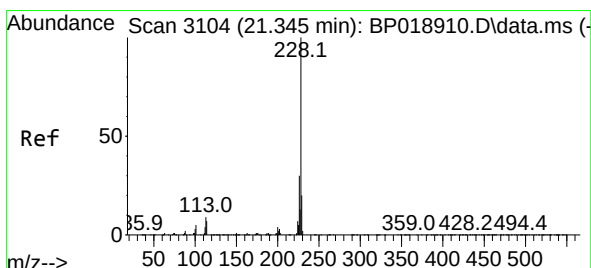
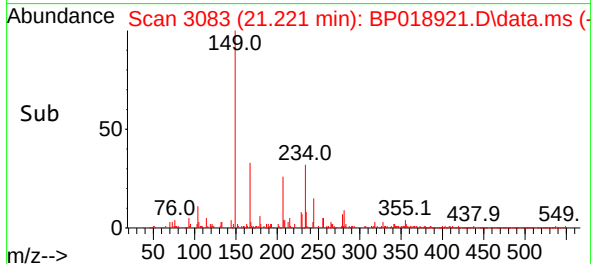
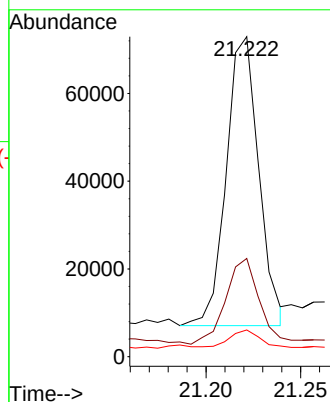
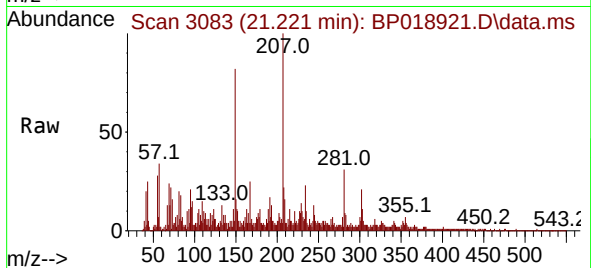
Tgt Ion:	149	Resp:	78528
Ion Ratio	Lower	Upper	
149	100		
167	30.7	22.2	33.2
279	8.4	3.3	4.9

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#87

Chrysene

Concen: 32.682 ng/ul

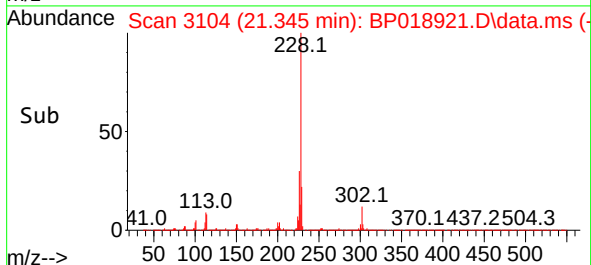
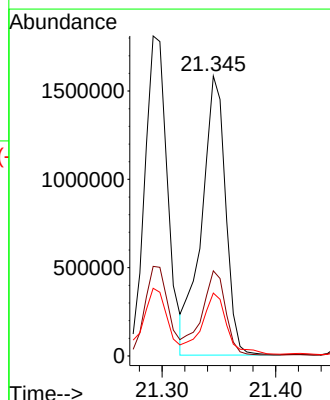
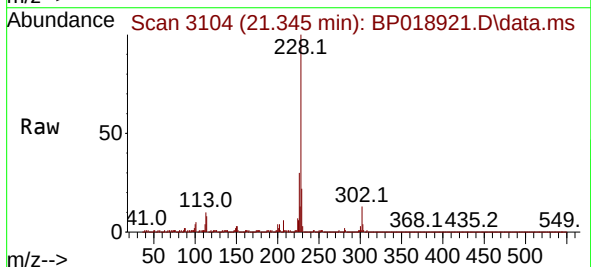
RT: 21.345 min Scan# 3104

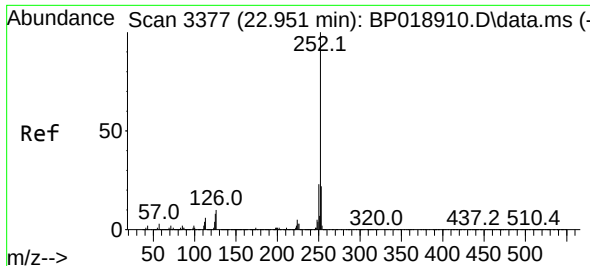
Delta R.T. 0.006 min

Lab File: BP018921.D

Acq: 18 Dec 2023 23:16

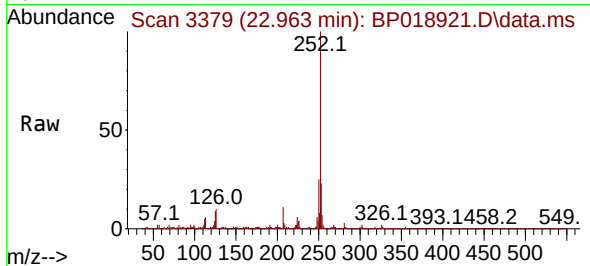
Tgt Ion:	228	Resp:	2317308
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.9	35.9
229	22.4	15.6	23.4





#90
Benzo(b)fluoranthene
Concen: 37.106 ng/ul
RT: 22.963 min Scan# 3377
Delta R.T. 0.018 min
Lab File: BP018921.D
Acq: 18 Dec 2023 23:16

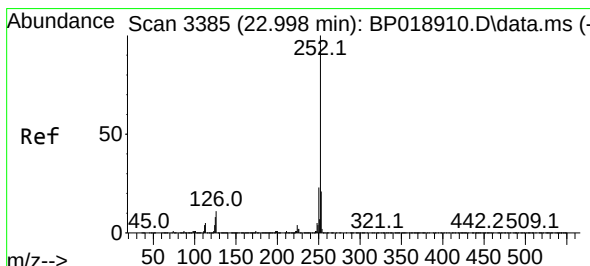
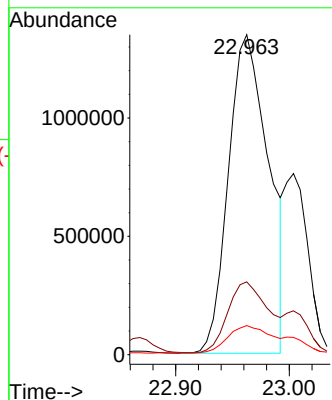
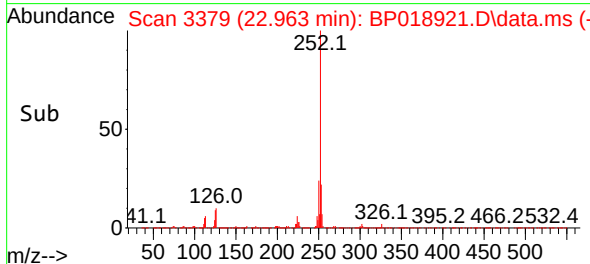
Instrument :
BNA_P
ClientSampleId :
BH3Q5



Tgt Ion:252 Resp: 3299310
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 9.1 7.8 11.6

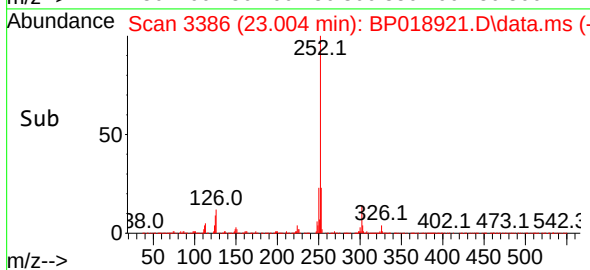
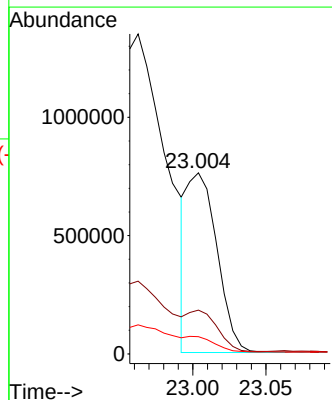
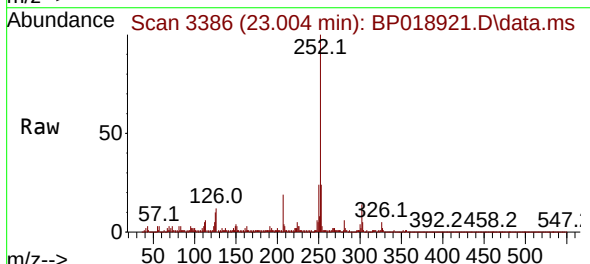
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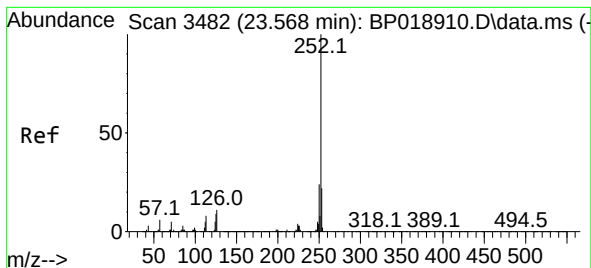
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#91
Benzo(k)fluoranthene
Concen: 12.485 ng/ul m
RT: 23.004 min Scan# 3386
Delta R.T. 0.012 min
Lab File: BP018921.D
Acq: 18 Dec 2023 23:16

Tgt Ion:252 Resp: 1074122
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 9.5 8.0 12.0





#93

Benzo(a)pyrene

Concen: 19.141 ng/ul

RT: 23.474 min Scan# 34

Delta R.T. -0.088 min

Lab File: BP018921.D

Acq: 18 Dec 2023 23:16

Instrument :

BNA_P

ClientSampleId :

BH3Q5

Tgt Ion:252 Resp: 155508

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

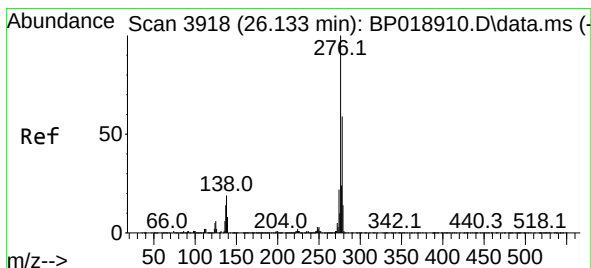
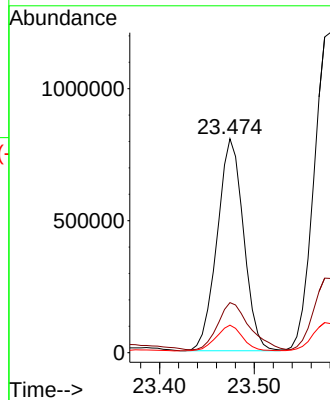
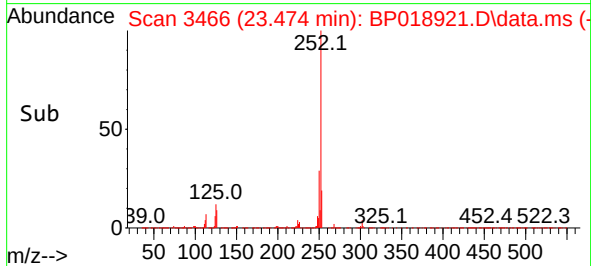
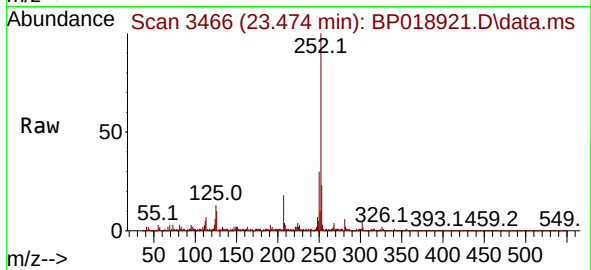
125 12.8 9.2 13.8

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 17.726 ng/ul

RT: 26.145 min Scan# 3920

Delta R.T. 0.024 min

Lab File: BP018921.D

Acq: 18 Dec 2023 23:16

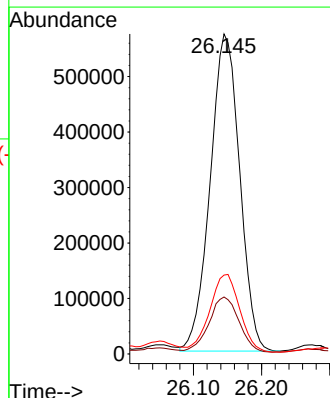
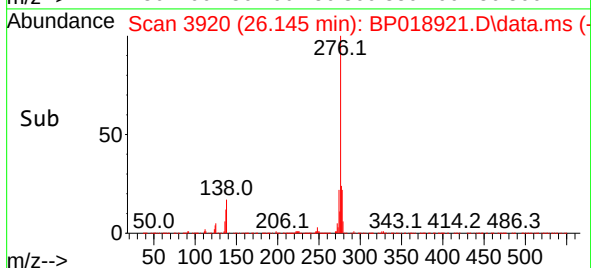
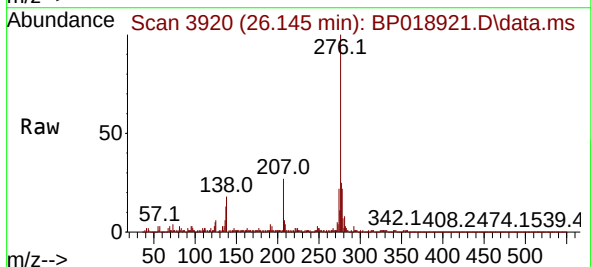
Tgt Ion:276 Resp: 1720730

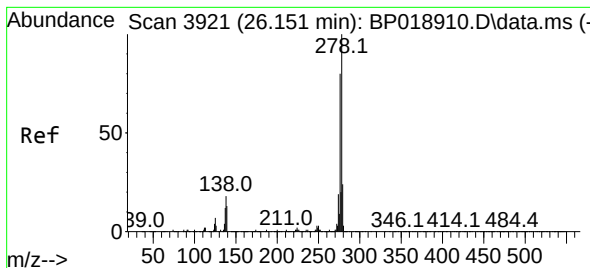
Ion Ratio Lower Upper

276 100

138 17.8 19.4 29.2#

277 24.6 19.8 29.6





#95

Dibenzo(a,h)anthracene

Concen: 5.773 ng/ul

RT: 26.157 min Scan# 3921

Delta R.T. 0.018 min

Lab File: BP018921.D

Acq: 18 Dec 2023 23:16

Instrument :

BNA_P

ClientSampleId :

BH3Q5

Tgt Ion:278 Resp: 46615

Ion Ratio Lower Upper

278 100

139 18.9 13.0 19.6

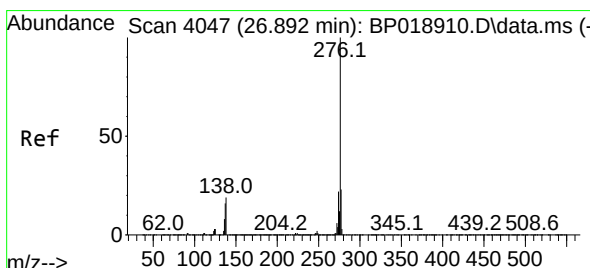
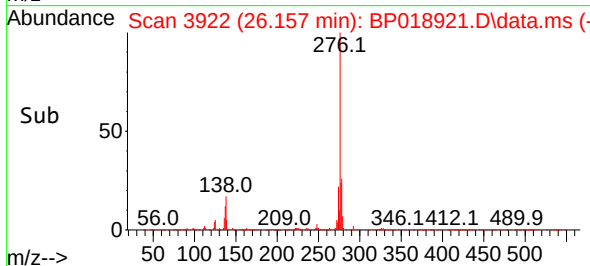
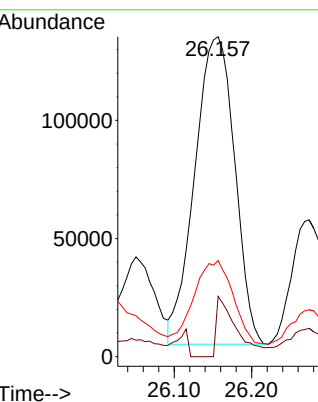
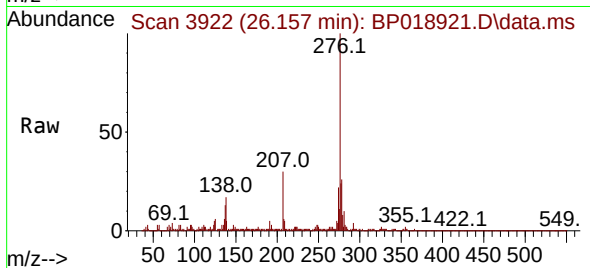
279 30.0 18.7 28.1

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#96

Benzo(g,h,i)perylene

Concen: 13.453 ng/ul

RT: 26.904 min Scan# 4049

Delta R.T. 0.029 min

Lab File: BP018921.D

Acq: 18 Dec 2023 23:16

Tgt Ion:276 Resp: 1050982

Ion Ratio Lower Upper

276 100

138 19.1 18.1 27.1

277 24.7 19.4 29.0

