

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018922.D
 Acq On : 18 Dec 2023 23:50
 Operator : MA/JU
 Sample : 05794-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q8

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 00:20:22 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	196783	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	668316	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	363721	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	867128	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	950035	20.000	ng/u1	0.00
88) Perylene-d12	23.680	264	1184466	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	12781	2.213	ng/uL	0.00
4) Pyridine-d5	3.687	84	17610	1.139	ng/u1	0.01
7) Phenol-d5	7.005	99	196745	9.963	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	128852	11.009	ng/u1	0.00
11) 2-Chlorophenol-d4	7.364	132	170600	11.071	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	101371	6.343	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	80337	13.506	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	83057	13.468	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	147706	11.713	ng/u1	0.00
31) 4-Chloroaniline-d4	10.775	131	47041	2.854	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	413429	12.736	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	501745	14.037	ng/u1	0.00
54) 4-Nitrophenol-d4	14.681	143	35283	6.621	ng/u1	0.01
60) Fluorene-d10	15.457	176	386921	14.200	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	14633	2.814	ng/u1	0.00
73) Anthracene-d10	17.310	188	656272	14.396	ng/u1	0.00
81) Pyrene-d10	19.551	212	888797	12.018	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.527	264	947752	13.723	ng/u1	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.981	77	23712	2.326	ng/u1	97
8) Phenol	7.040	94	27373	1.413	ng/u1	98
16) Acetophenone	8.658	105	70861	2.975	ng/u1	96
50) Acenaphthylene	14.187	152	57353	1.427	ng/u1	98
61) Fluorene	15.510	166	31837	1.089	ng/u1	93
72) Phenanthrene	17.257	178	726449	13.871	ng/u1	99
74) Anthracene	17.345	178	225781	4.301	ng/u1	99
77) Carbazole	17.622	167	57385	1.372	ng/u1	97
80) Fluoranthene	19.228	202	1881434	21.523	ng/u1	97
82) Pyrene	19.581	202	1932943	21.919	ng/u1	95
85) Benzo(a)anthracene	21.292	228	1467911	19.036	ng/u1	98
87) Chrysene	21.345	228	1465147	20.632	ng/u1	97
90) Benzo(b)fluoranthene	22.963	252	2257813	25.853	ng/u1	97
91) Benzo(k)fluoranthene	23.004	252	756346m	8.951	ng/u1	
93) Benzo(a)pyrene	23.580	252	1786819m	22.392	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.151	276	1431699	15.017	ng/u1#	94
95) Dibenzo(a,h)anthracene	26.151	278	411385	5.187	ng/u1#	78
96) Benzo(g,h,i)perylene	26.910	276	732848	9.551	ng/u1	96

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

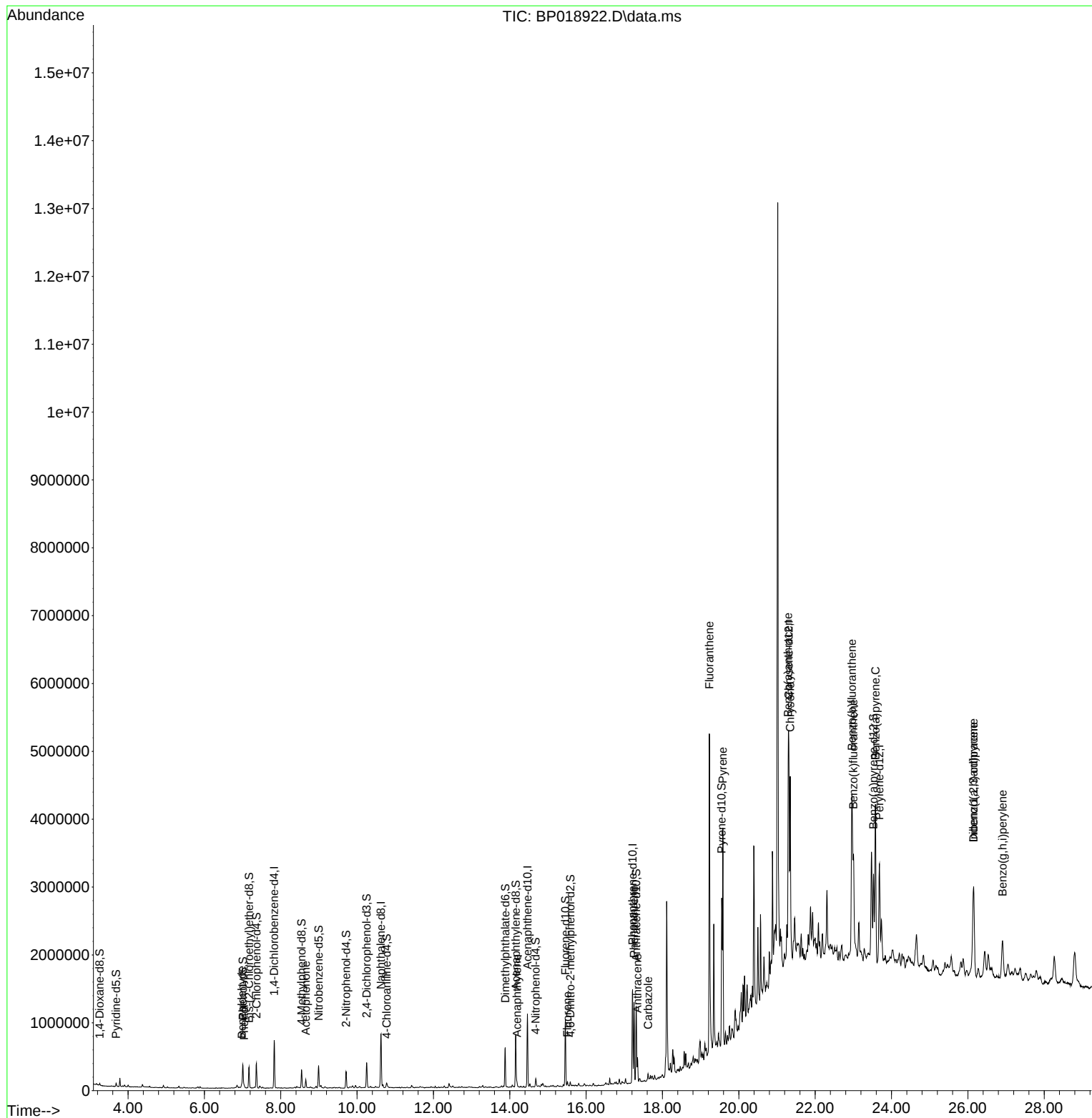
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
Data File : BP018922.D
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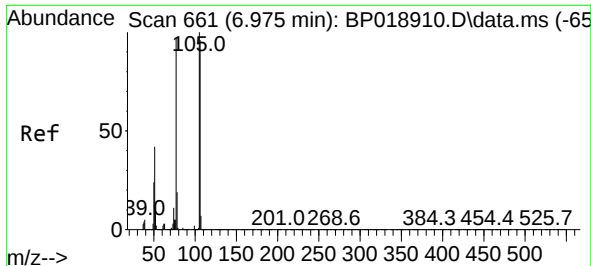
Instrument :
BNA_P
ClientSampleId :
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Quant Time: Dec 19 00:20:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 23:34:47 2023
Response via : Initial Calibration





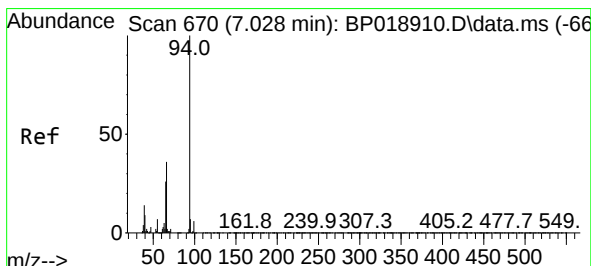
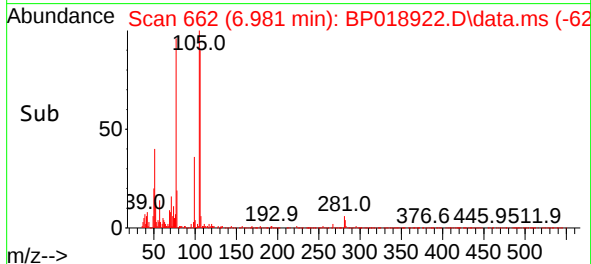
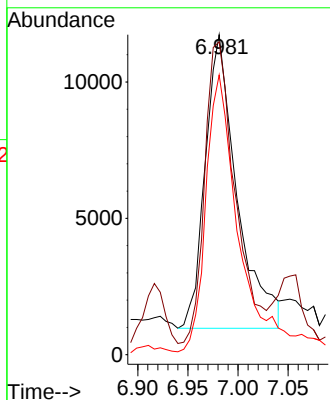
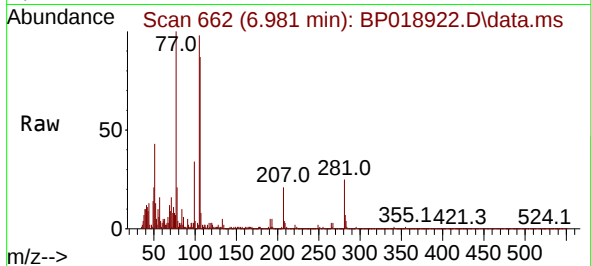
#6
Benzaldehyde
Concen: 2.326 ng/ul
RT: 6.981 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50

Instrument :
BNA_P
ClientSampleId :
BH3Q8

Tgt Ion: 77 Resp: 2371
Ion Ratio Lower Upper
77 100
105 97.8 77.9 116.9
106 87.4 74.6 111.8

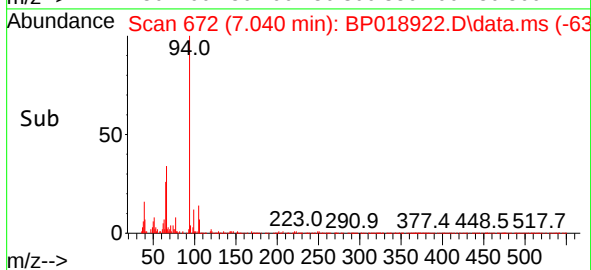
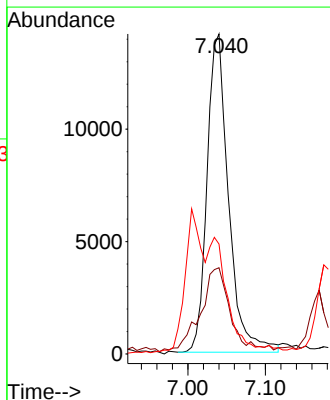
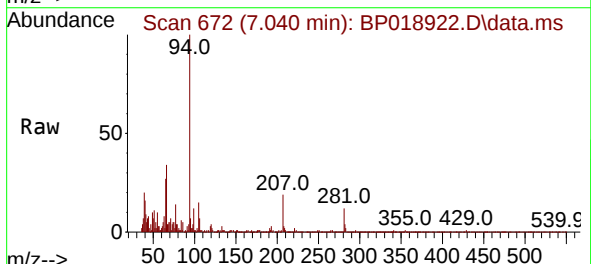
Manual Integrations
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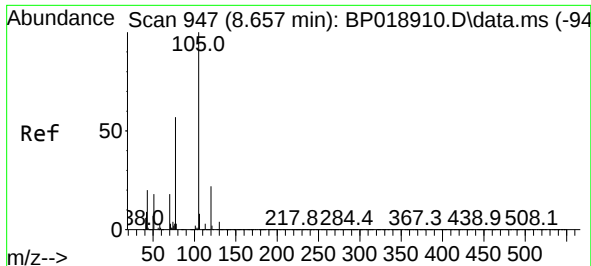
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#8
Phenol
Concen: 1.413 ng/ul
RT: 7.040 min Scan# 672
Delta R.T. 0.012 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50

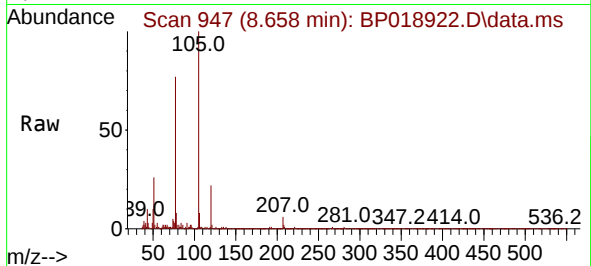
Tgt Ion: 94 Resp: 27373
Ion Ratio Lower Upper
94 100
65 27.0 21.0 31.6
66 34.4 28.6 43.0





#16
Acetophenone
Concen: 2.975 ng/ul
RT: 8.658 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50

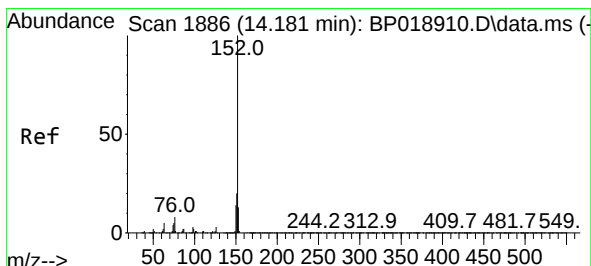
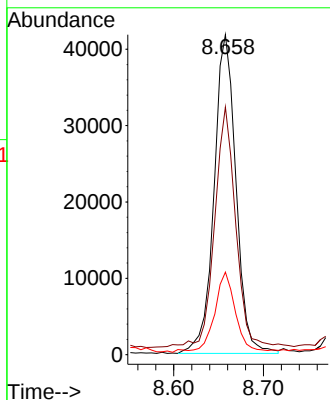
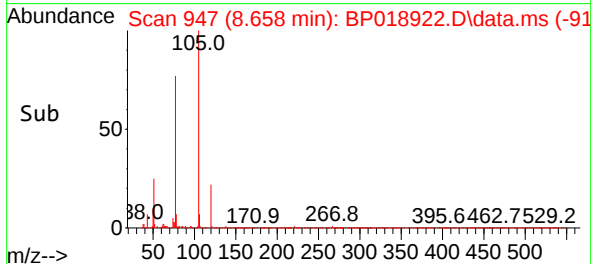
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BNA_P
ClientSampleId :
BH3Q8



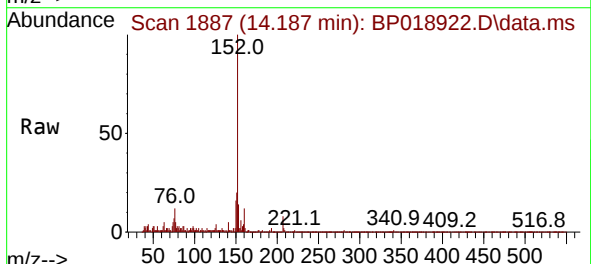
Tgt Ion:105 Resp: 7086
Ion Ratio Lower Upper
105 100
77 77.4 59.4 89.0
51 25.8 19.4 29.0

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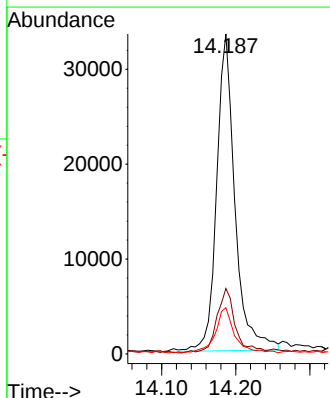
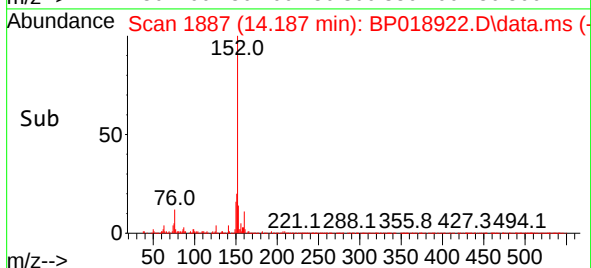
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

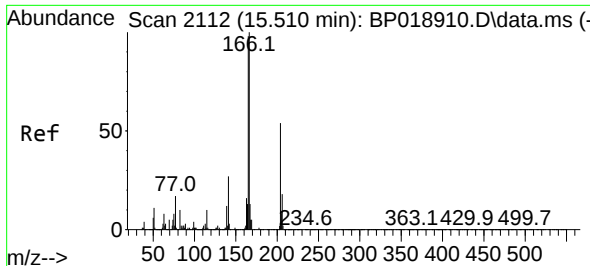


#50
Acenaphthylene
Concen: 1.427 ng/ul
RT: 14.187 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50



Tgt Ion:152 Resp: 57353
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 14.4 10.6 16.0





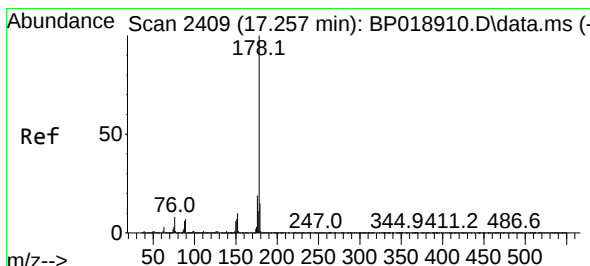
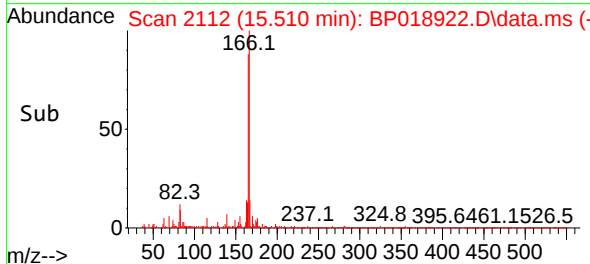
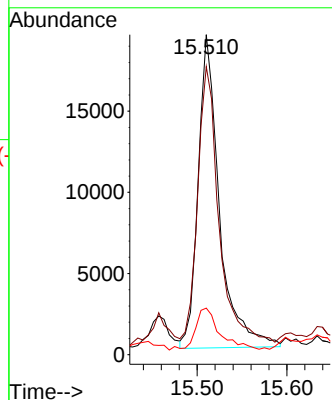
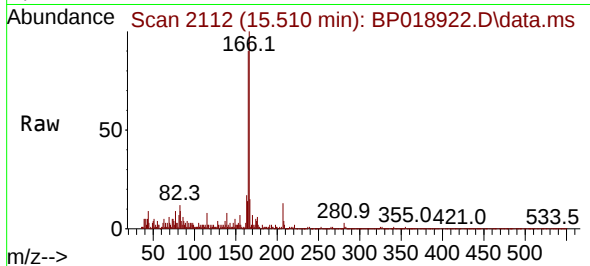
#61
Fluorene
Concen: 1.089 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50

Instrument :
BNA_P
ClientSampleId :
BH3Q8

Tgt Ion:166 Resp: 3183
Ion Ratio Lower Upper
166 100
165 90.0 78.0 117.0
167 14.6 10.8 16.2

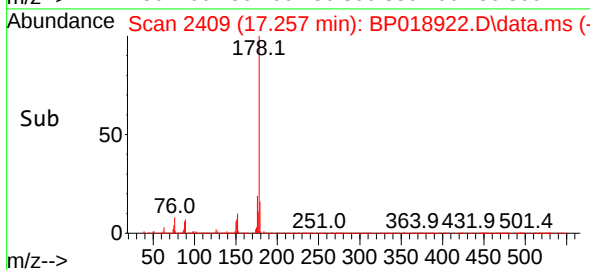
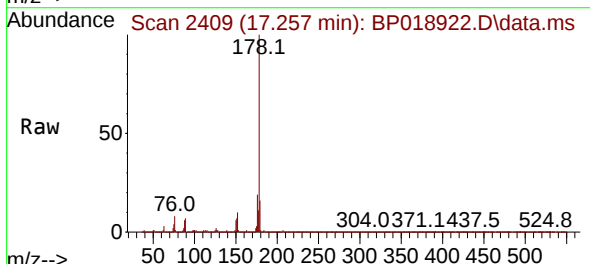
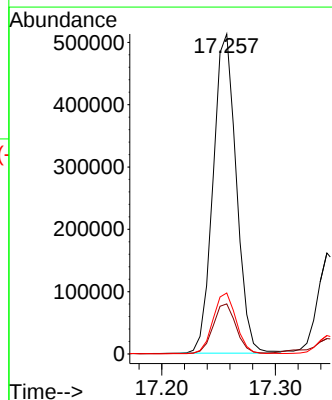
Manual Integrations
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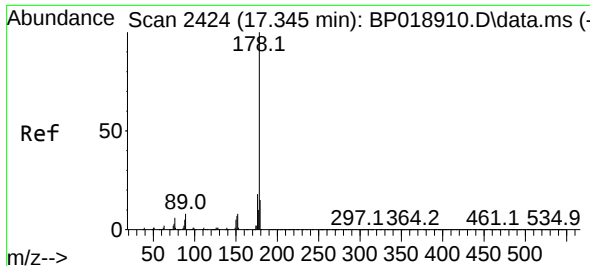
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#72
Phenanthrene
Concen: 13.871 ng/ul
RT: 17.257 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50

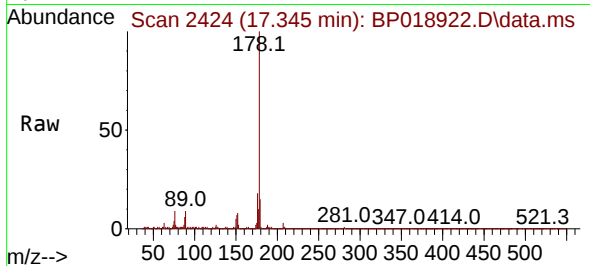
Tgt Ion:178 Resp: 726449
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 19.1 15.4 23.2





#74
 Anthracene
 Concen: 4.301 ng/ul
 RT: 17.345 min Scan# 2424
 Delta R.T. 0.000 min
 Lab File: BP018922.D
 Acq: 18 Dec 2023 23:50

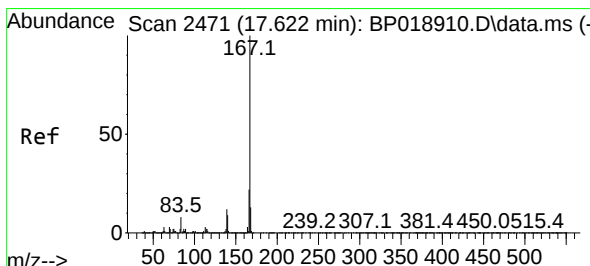
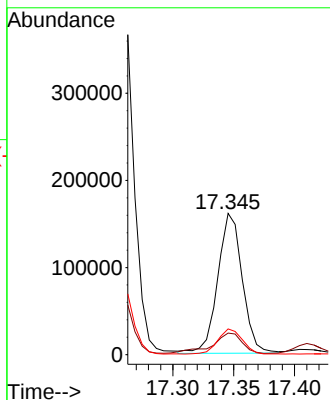
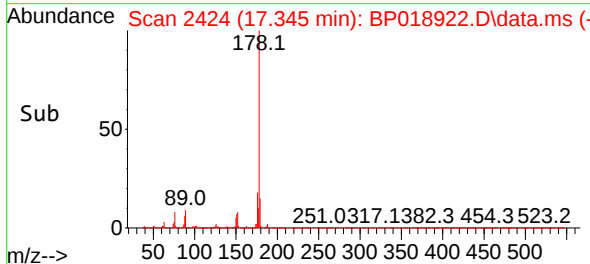
Instrument :
 BNA_P
 ClientSampleId :
 BH3Q8



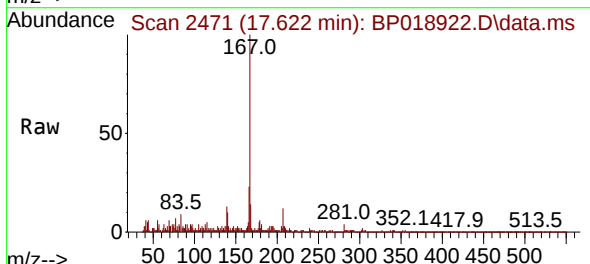
Tgt Ion:178 Resp: 22578
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.5 18.7
 176 18.3 15.0 22.6

Manual Integrations
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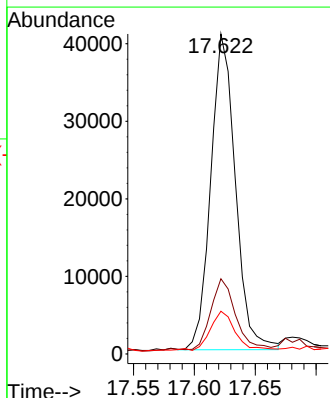
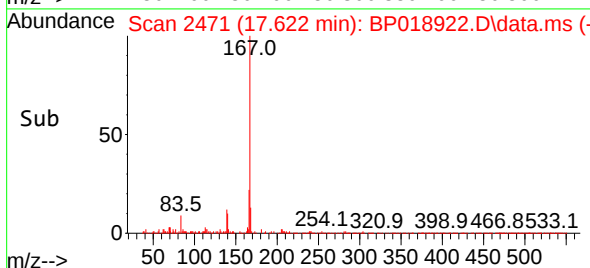
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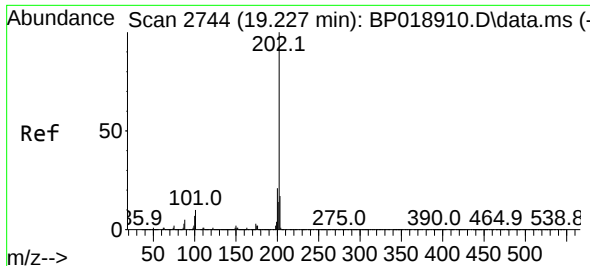


#77
 Carbazole
 Concen: 1.372 ng/ul
 RT: 17.622 min Scan# 2471
 Delta R.T. 0.000 min
 Lab File: BP018922.D
 Acq: 18 Dec 2023 23:50



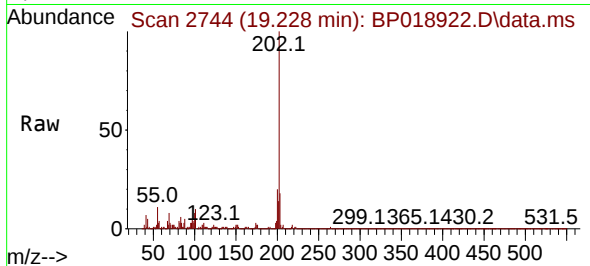
Tgt Ion:167 Resp: 57385
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.1 25.7
 139 13.3 10.2 15.4





#80
Fluoranthene
Concen: 21.523 ng/u1
RT: 19.228 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50

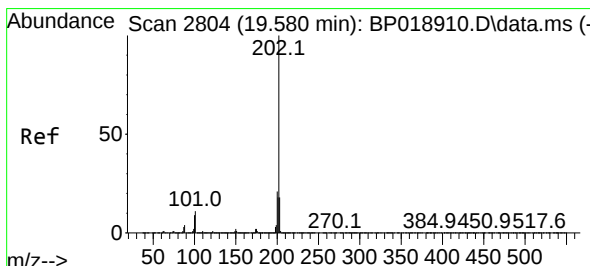
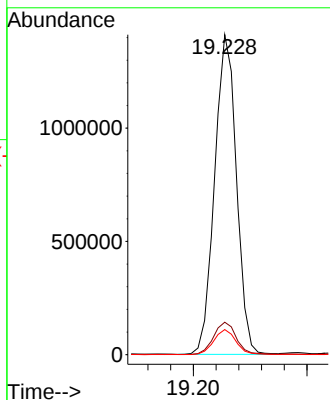
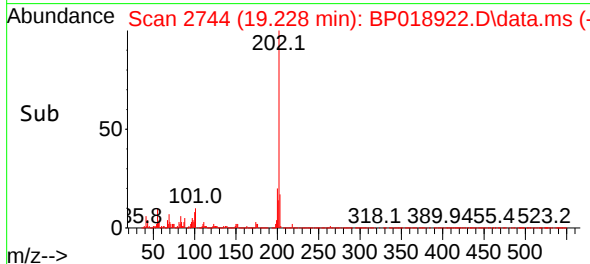
Instrument :
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ClientSampleId :
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Tgt Ion:202 Resp: 1881434
Ion Ratio Lower Upper
202 100
101 10.1 9.1 13.7
100 7.9 7.1 10.7

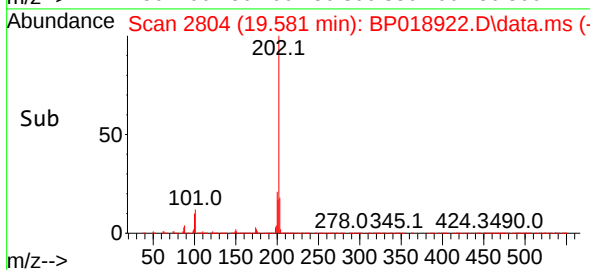
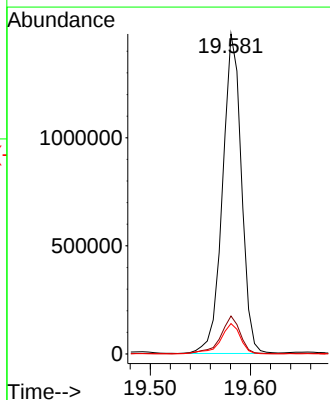
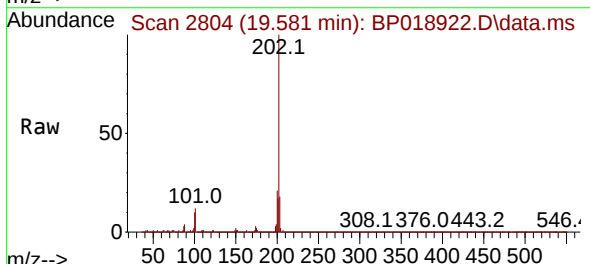
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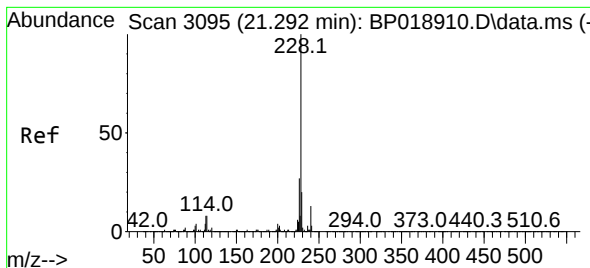
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#82
Pyrene
Concen: 21.919 ng/u1
RT: 19.581 min Scan# 2804
Delta R.T. 0.000 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50

Tgt Ion:202 Resp: 1932943
Ion Ratio Lower Upper
202 100
101 11.8 11.0 16.4
100 9.5 9.1 13.7





#85

Benzo(a)anthracene

Concen: 19.036 ng/ul

RT: 21.292 min Scan# 3095

Delta R.T. 0.006 min

Lab File: BP018922.D

Acq: 18 Dec 2023 23:50

Instrument :

BNA_P

ClientSampleId :

BH3Q8

Tgt Ion:228 Resp: 146791

Ion Ratio Lower Upper

228 100

229 21.2 15.7 23.5

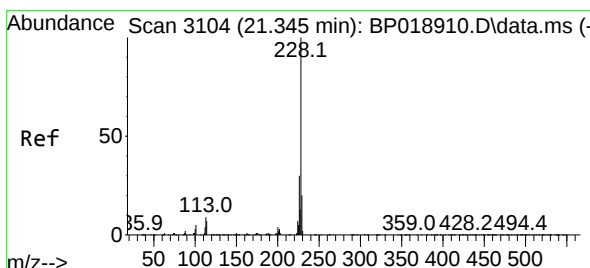
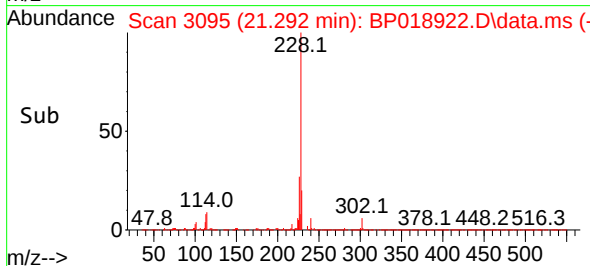
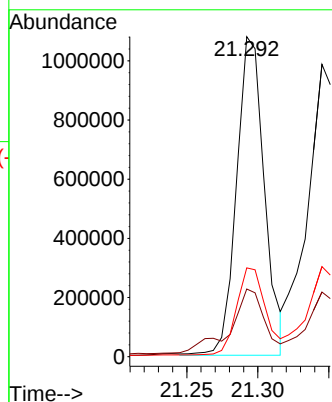
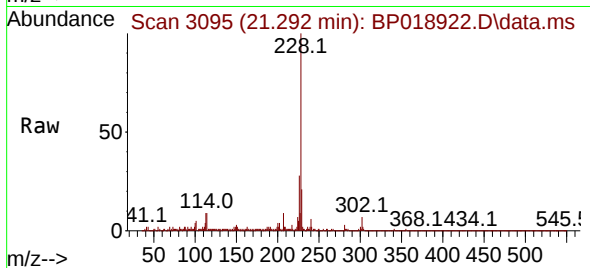
226 27.7 21.9 32.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#87

Chrysene

Concen: 20.632 ng/ul

RT: 21.345 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BP018922.D

Acq: 18 Dec 2023 23:50

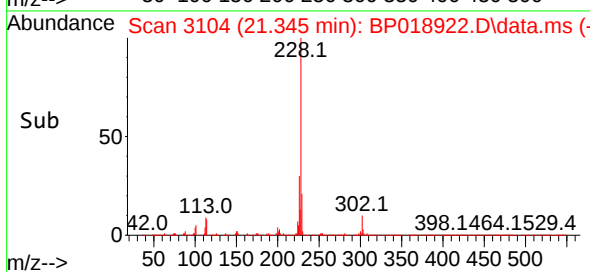
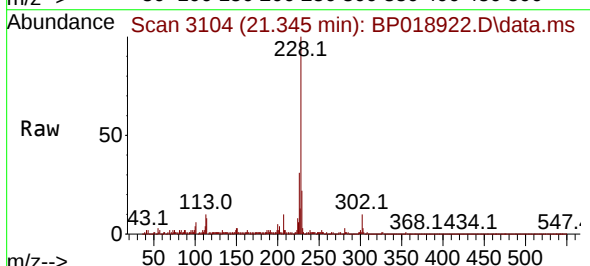
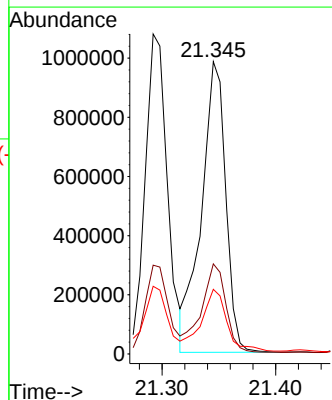
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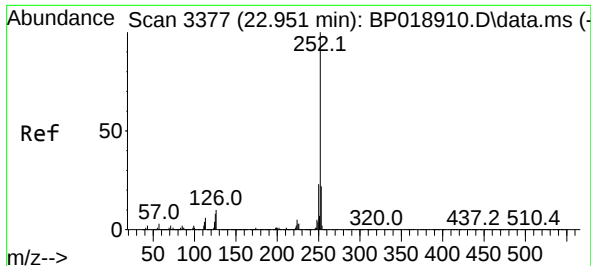
Ion Ratio Lower Upper

228 100

226 30.8 23.9 35.9

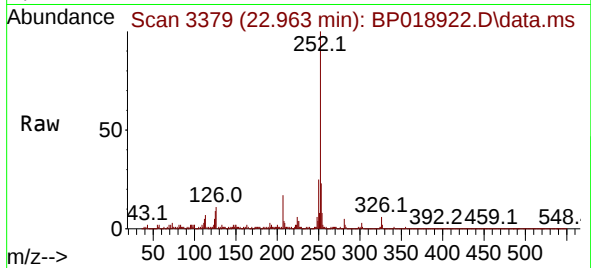
229 22.1 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 25.853 ng/ul
RT: 22.963 min Scan# 3377
Delta R.T. 0.018 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50

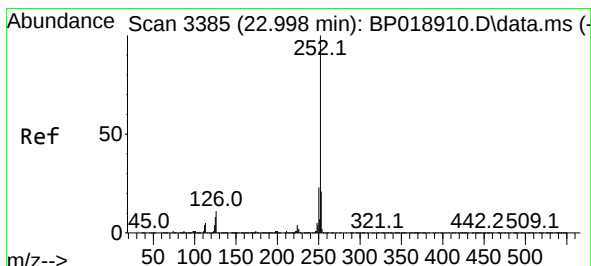
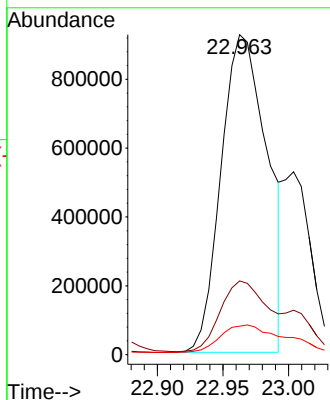
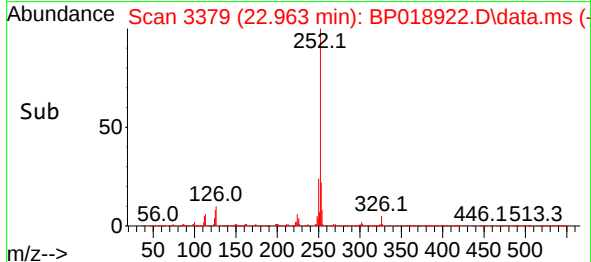
Instrument :
BNA_P
ClientSampleId :
BH3Q8



Tgt Ion:252 Resp: 225781
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 8.9 7.8 11.6

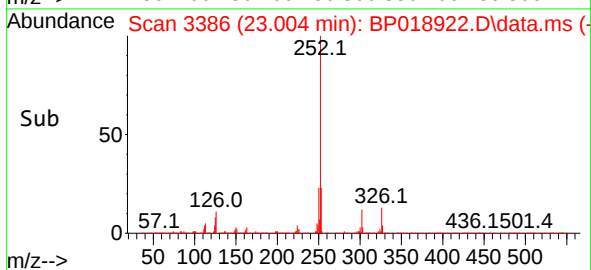
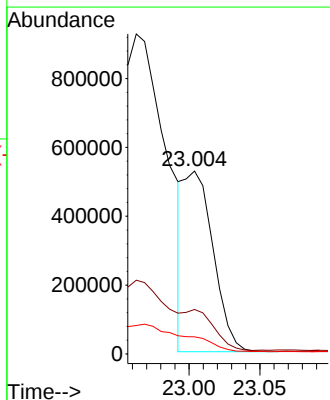
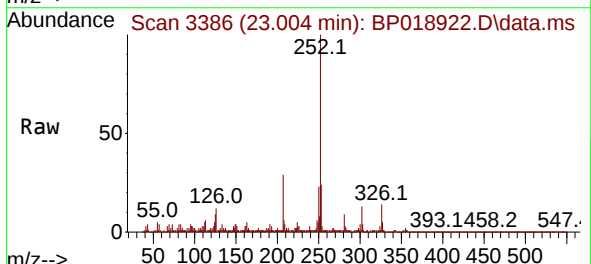
Manual Integrations
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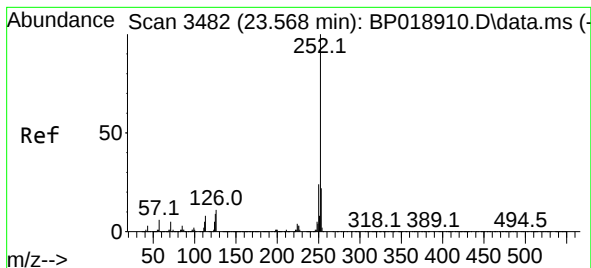
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#91
Benzo(k)fluoranthene
Concen: 8.951 ng/ul m
RT: 23.004 min Scan# 3386
Delta R.T. 0.012 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50

Tgt Ion:252 Resp: 756346
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 9.4 8.0 12.0





#93

Benzo(a)pyrene

Concen: 22.392 ng/ul m

RT: 23.580 min Scan# 3482

Delta R.T. 0.018 min

Lab File: BP018922.D

Acq: 18 Dec 2023 23:50

Instrument :

BNA_P

ClientSampleId :

BH3Q8

Tgt Ion:252 Resp: 1786819

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

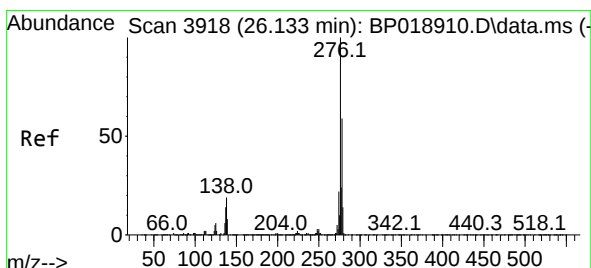
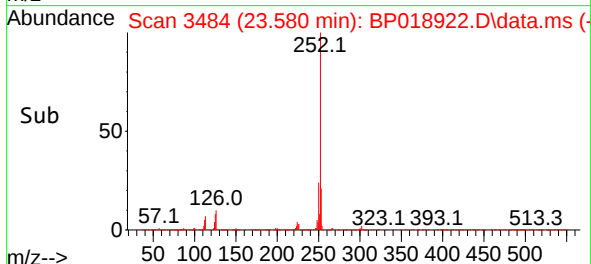
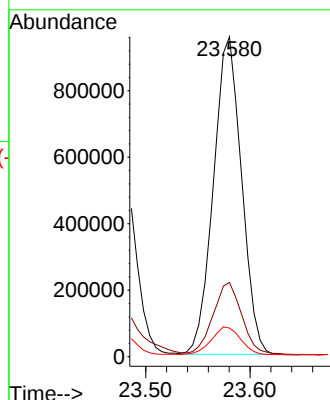
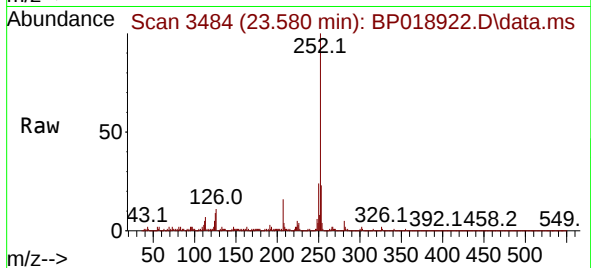
125 8.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 15.017 ng/ul

RT: 26.151 min Scan# 3921

Delta R.T. 0.030 min

Lab File: BP018922.D

Acq: 18 Dec 2023 23:50

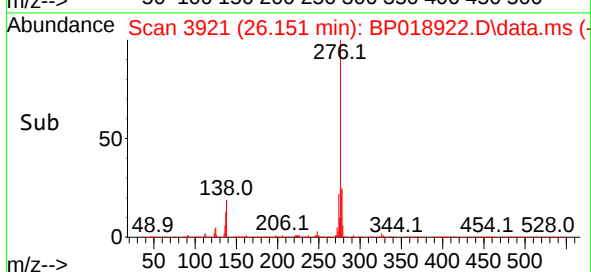
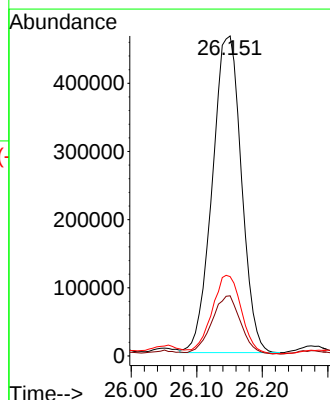
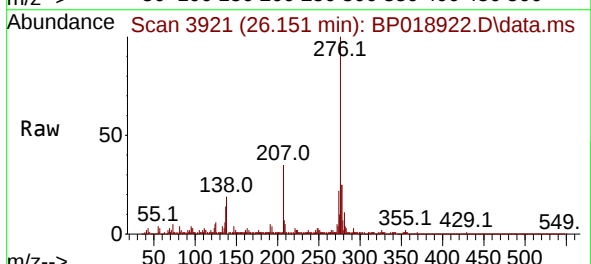
Tgt Ion:276 Resp: 1431699

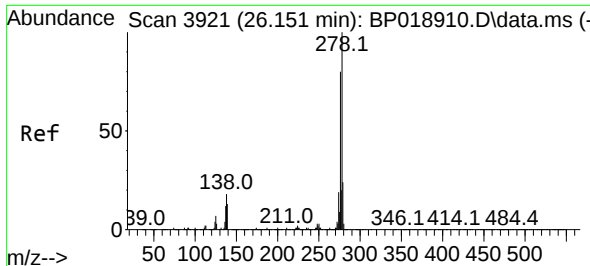
Ion Ratio Lower Upper

276 100

138 18.8 19.4 29.2

277 24.8 19.8 29.6





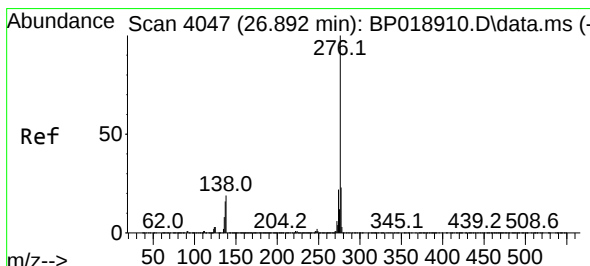
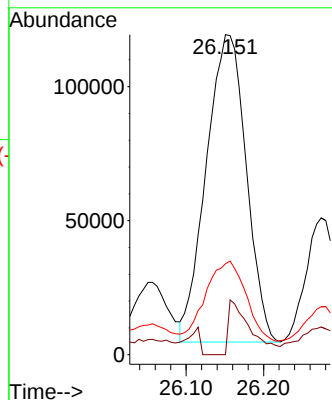
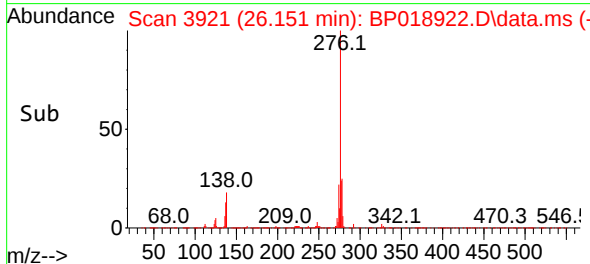
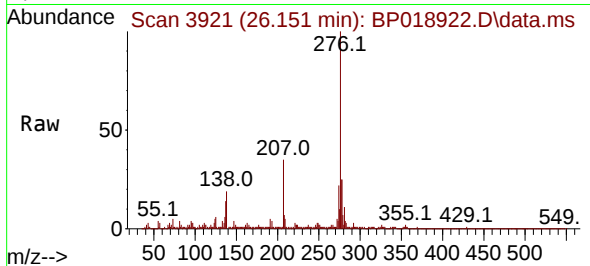
#95
Dibenzo(a,h)anthracene
Concen: 5.187 ng/ul
RT: 26.151 min Scan# 3921
Delta R.T. 0.012 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50

Instrument :
BNA_P
ClientSampleId :
BH3Q8

Tgt Ion: 278 Resp: 411385
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.6
279 28.4 18.7 28.1

Manual Integrations
APPROVED

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



#96
Benzo(g,h,i)perylene
Concen: 9.551 ng/ul
RT: 26.910 min Scan# 4050
Delta R.T. 0.035 min
Lab File: BP018922.D
Acq: 18 Dec 2023 23:50

Tgt Ion: 276 Resp: 732848
Ion Ratio Lower Upper
276 100
138 18.6 18.1 27.1
277 24.3 19.4 29.0

