

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018919.D
 Acq On : 18 Dec 2023 22:08
 Operator : MA/JU
 Sample : 05794-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q2

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 23:57:59 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	7.834	152	254213	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	876740	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	471739	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	1035811	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1133023	20.000	ng/u1	0.00
88) Perylene-d12	23.686	264	1462431	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	13171	1.766	ng/uL	0.00
4) Pyridine-d5	3.687	84	26517	1.327	ng/u1	0.01
7) Phenol-d5	7.011	99	203027	7.958	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.169	67	127314	8.420	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	174218	8.752	ng/u1	0.00
15) 4-Methylphenol-d8	8.552	113	116427	5.639	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	79934	10.244	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	84159	10.403	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	157163	9.500	ng/u1	0.00
31) 4-Chloroaniline-d4	10.775	131	92525	4.280	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	444753	10.563	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	530382	11.440	ng/u1	0.00
54) 4-Nitrophenol-d4	14.687	143	34165	4.944	ng/u1	0.02
60) Fluorene-d10	15.457	176	397050	11.235	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	5665	0.912	ng/u1	0.00
73) Anthracene-d10	17.316	188	651212	11.959	ng/u1	0.00
81) Pyrene-d10	19.557	212	873088	9.899	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.533	264	996219	11.683	ng/u1	0.02
Target Compounds						
					Qvalue	
8) Phenol	7.040	94	34546	1.381	ng/u1	97
16) Acetophenone	8.658	105	168464	5.475	ng/u1	99
30) Naphthalene	10.675	128	194212	3.652	ng/u1	100
36) 2-Methylnaphthalene	12.287	142	88719	2.355	ng/u1	99
37) 1-Methylnaphthalene	12.504	142	76049	1.999	ng/u1#	99
50) Acenaphthylene	14.187	152	103839	1.992	ng/u1	98
52) Acenaphthene	14.528	153	171400	4.973	ng/u1	98
56) Dibenzofuran	14.863	168	159562	3.331	ng/u1	95
61) Fluorene	15.510	166	215720	5.692	ng/u1	99
72) Phenanthrene	17.257	178	3741002	59.800	ng/u1	100
74) Anthracene	17.351	178	867756	13.838	ng/u1	99
77) Carbazole	17.622	167	311627	6.235	ng/u1	98
80) Fluoranthene	19.233	202	5159350m	49.489	ng/u1	
82) Pyrene	19.586	202	4929150	46.868	ng/u1#	93
85) Benzo(a)anthracene	21.298	228	2867063	31.175	ng/u1	98
87) Chrysene	21.351	228	2742092	32.378	ng/u1	97
90) Benzo(b)fluoranthene	22.963	252	3405087	31.579	ng/u1	97
91) Benzo(k)fluoranthene	23.004	252	1225528m	11.747	ng/u1	
93) Benzo(a)pyrene	23.580	252	2634923	26.744	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.151	276	1769108	15.029	ng/u1#	93
95) Dibenzo(a,h)anthracene	26.157	278	527298	5.385	ng/u1#	92
96) Benzo(g,h,i)perylene	26.915	276	1255061	13.248	ng/u1#	94

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

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

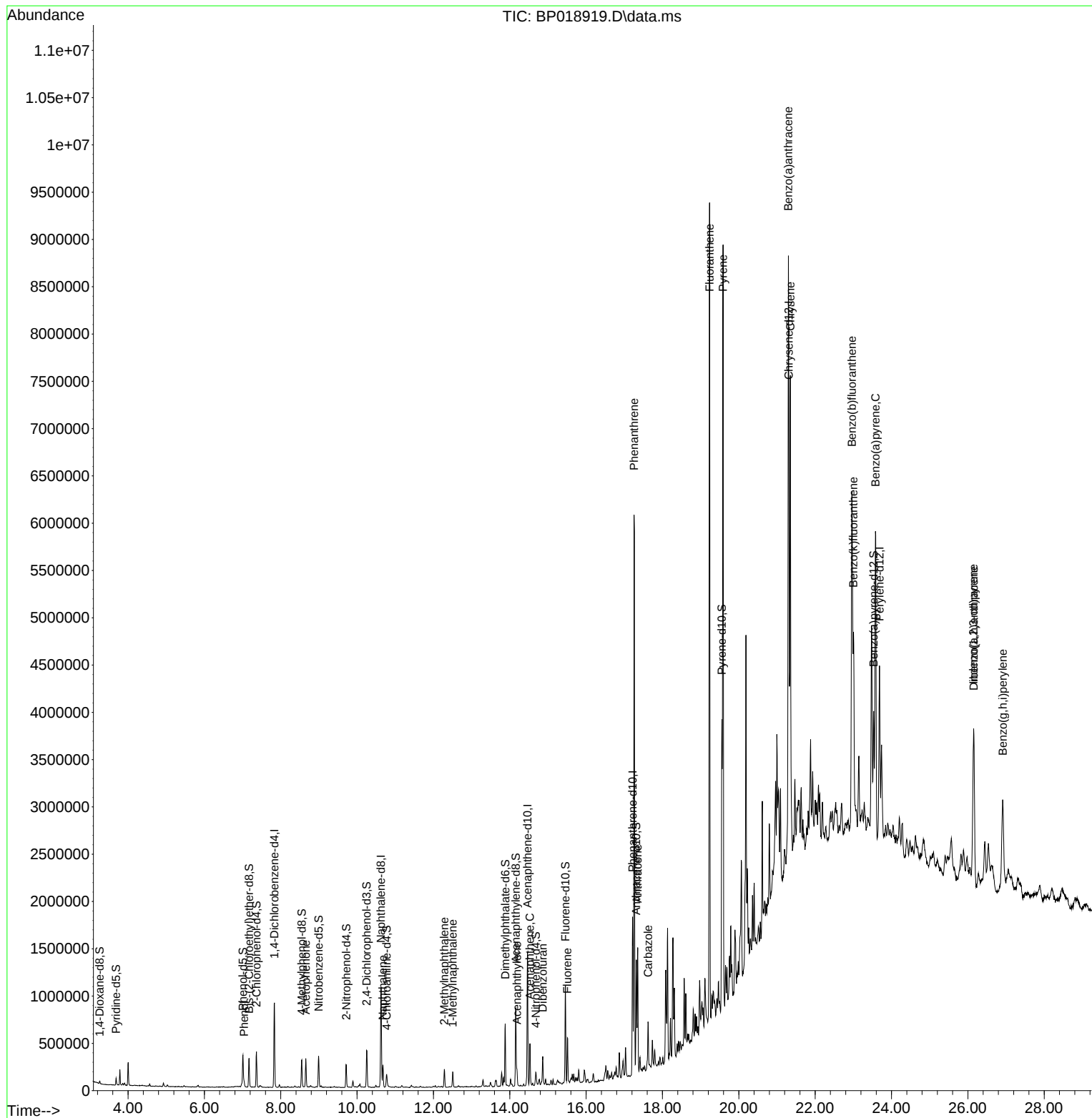
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
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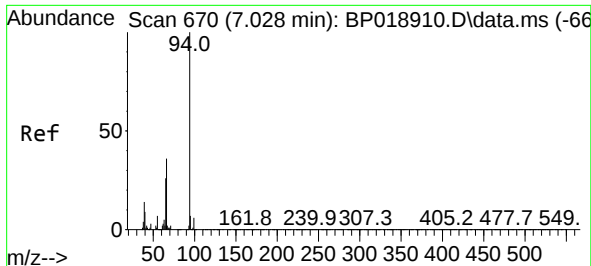
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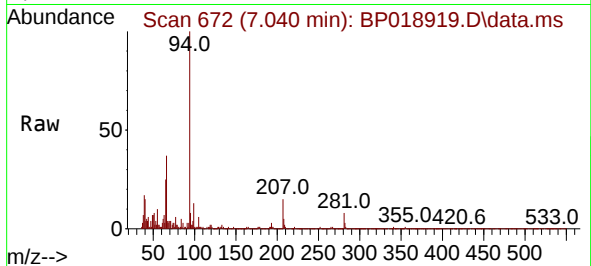
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023





#8
Phenol
Concen: 1.381 ng/ul
RT: 7.040 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP018919.D
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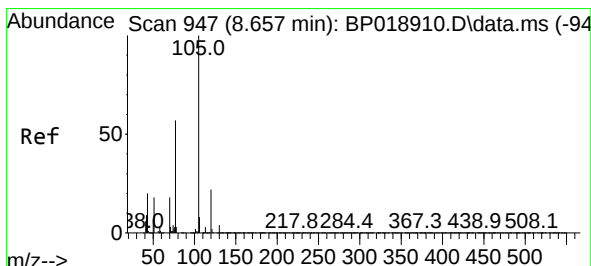
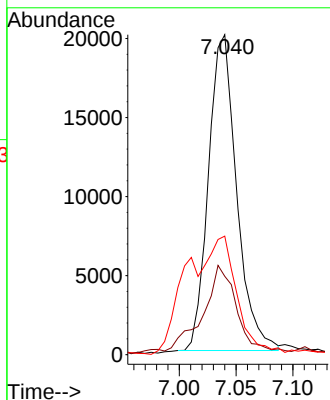
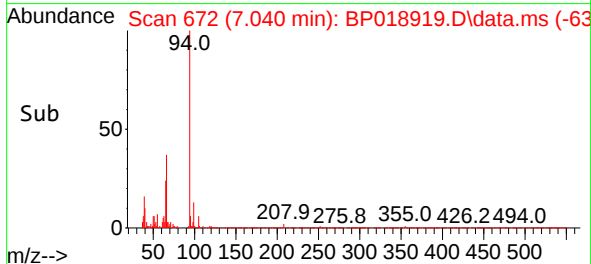
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 94 Resp: 34540
Ion Ratio Lower Upper
94 100
65 24.5 21.0 31.6
66 37.1 28.6 43.0

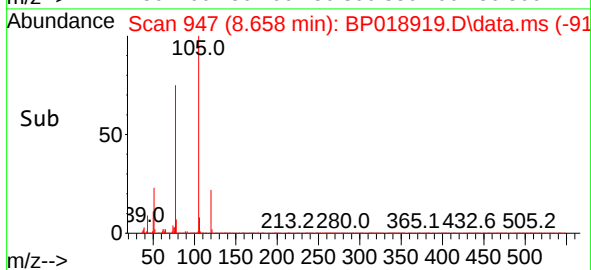
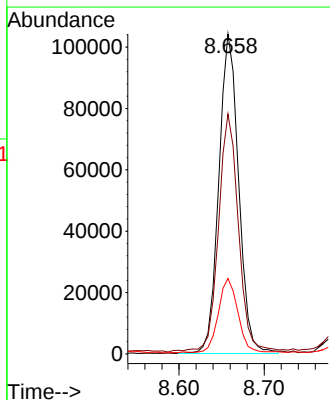
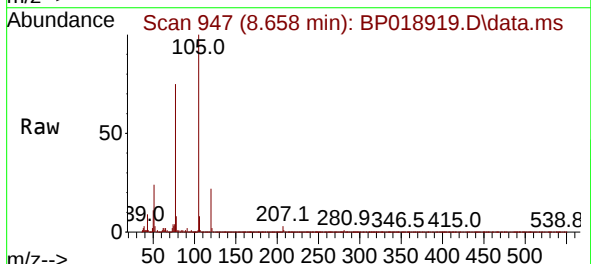
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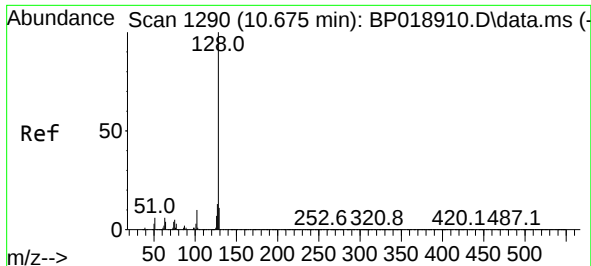
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#16
Acetophenone
Concen: 5.475 ng/ul
RT: 8.658 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

Tgt Ion:105 Resp: 168464
Ion Ratio Lower Upper
105 100
77 75.0 59.4 89.0
51 23.6 19.4 29.0





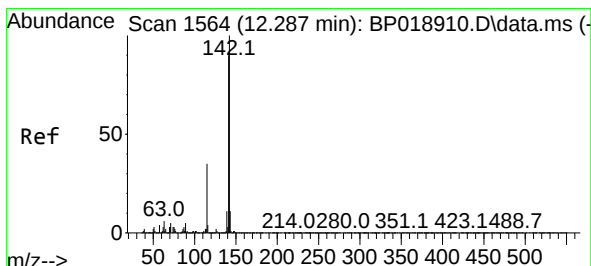
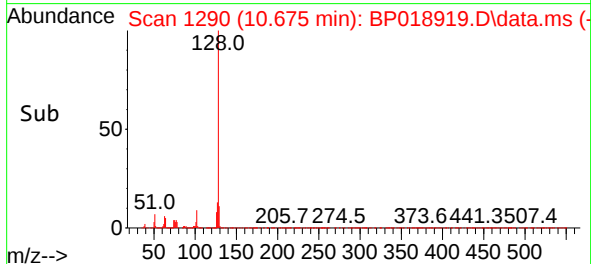
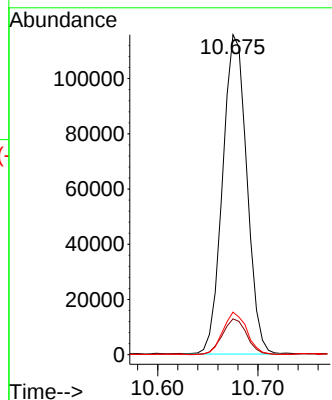
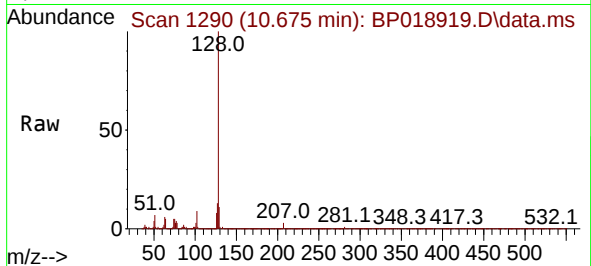
#30
Naphthalene
Concen: 3.652 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

Instrument :
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Tgt Ion:128 Resp: 19421
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.3 10.5 15.7

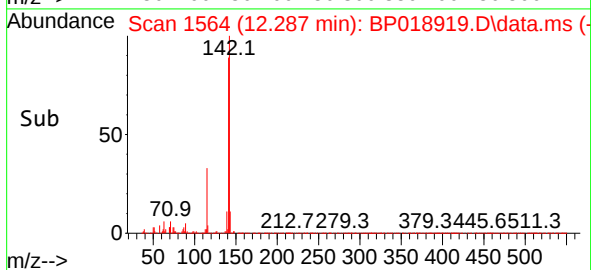
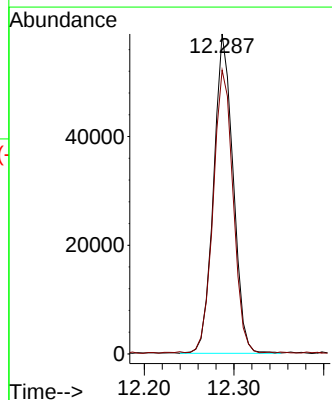
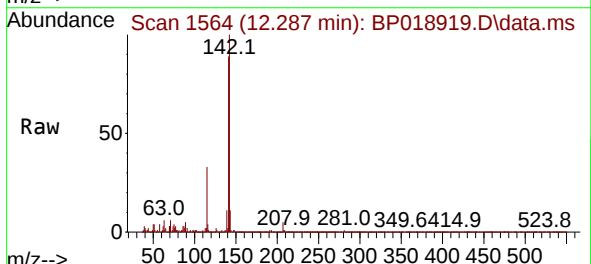
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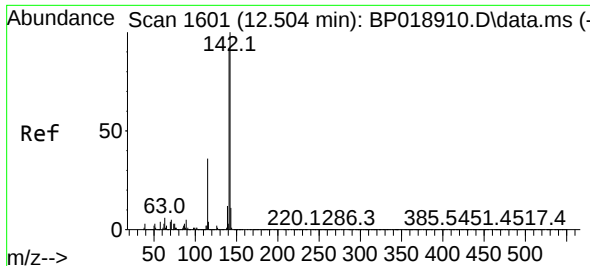
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#36
2-Methylnaphthalene
Concen: 2.355 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

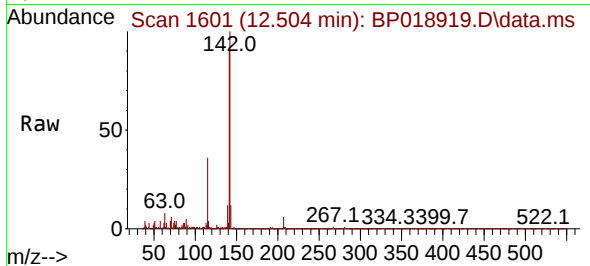
Tgt Ion:142 Resp: 88719
Ion Ratio Lower Upper
142 100
141 88.7 71.4 107.0





#37
1-Methylnaphthalene
Concen: 1.999 ng/ul
RT: 12.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

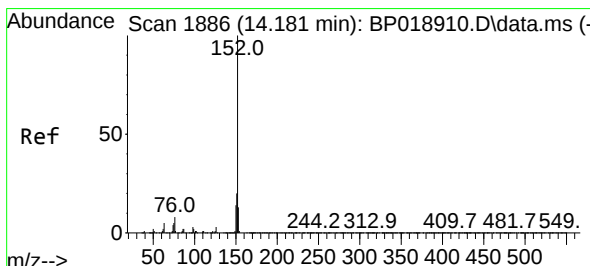
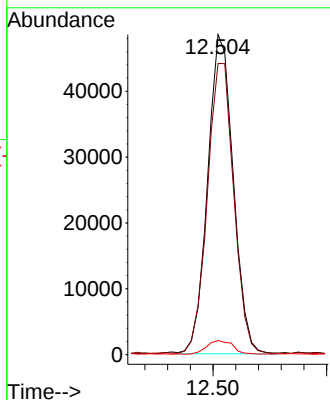
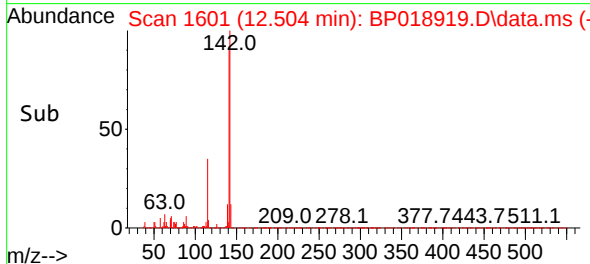
Instrument :
BNA_P
ClientSampleId :
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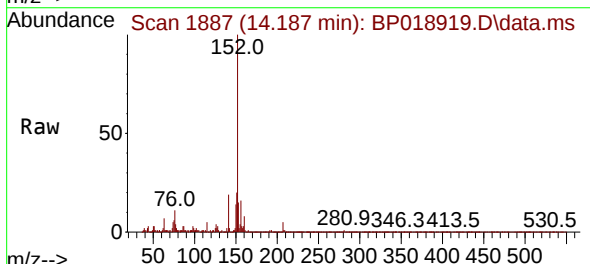
Tgt Ion:142 Resp: 76049
Ion Ratio Lower Upper
142 100
141 91.0 73.5 110.3
116 4.4 2.8 4.2

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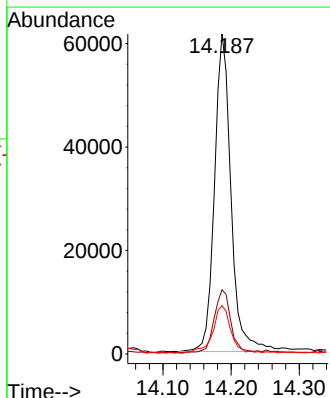
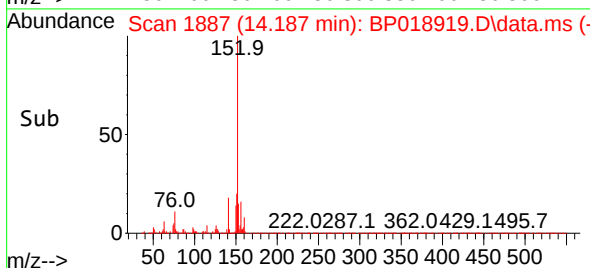
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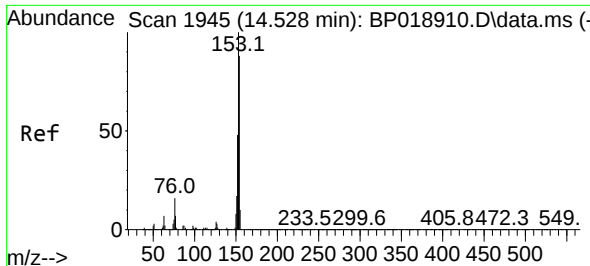


#50
Acenaphthylene
Concen: 1.992 ng/ul
RT: 14.187 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08



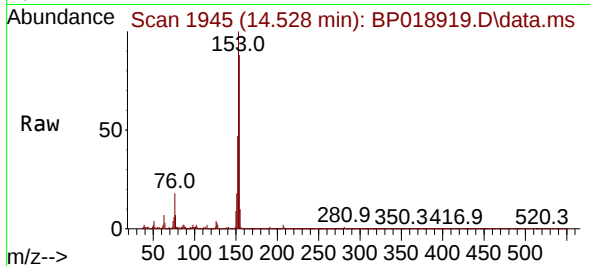
Tgt Ion:152 Resp: 103839
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 15.1 10.6 16.0





#52
Acenaphthene
Concen: 4.973 ng/ul
RT: 14.528 min Scan# 1945
Delta R.T. 0.000 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

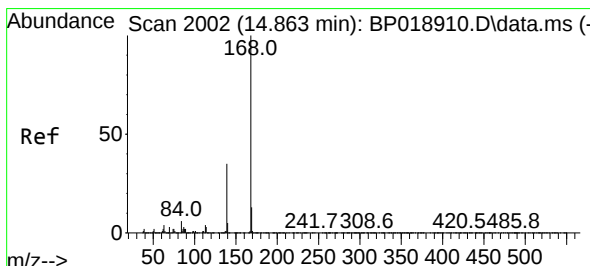
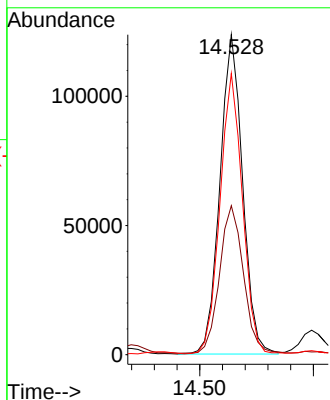
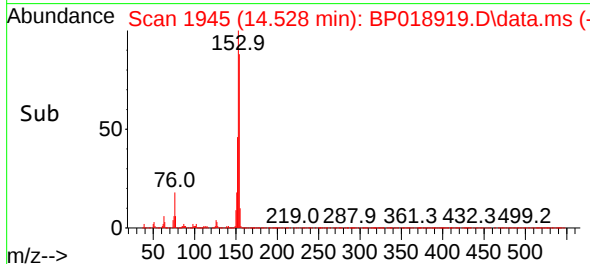
Instrument :
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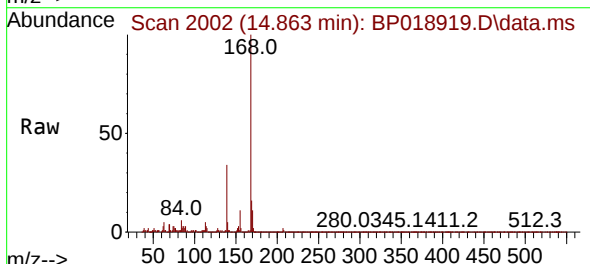
Tgt Ion:153 Resp: 171400
Ion Ratio Lower Upper
153 100
152 46.6 38.1 57.1
154 87.9 71.7 107.5

Manual Integrations
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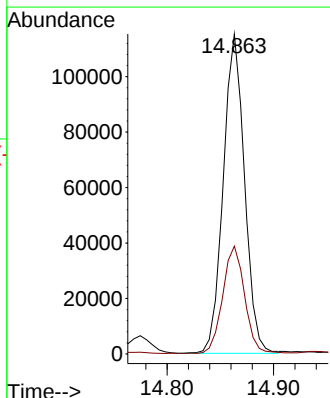
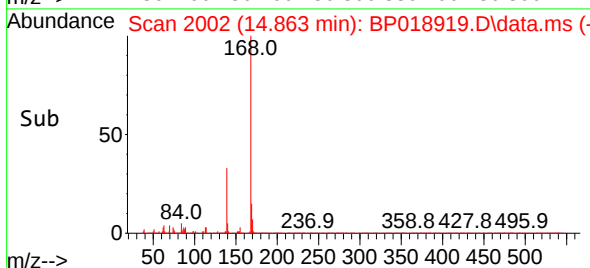
Reviewed By :Yogesh Patel 12/19/2023
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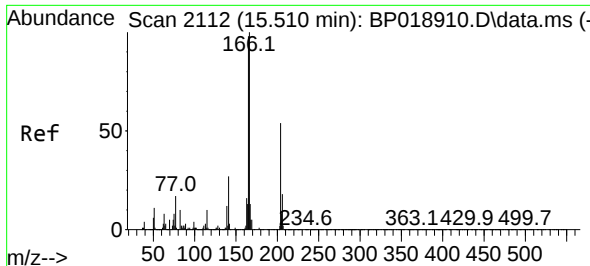


#56
Dibenzofuran
Concen: 3.331 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08



Tgt Ion:168 Resp: 159562
Ion Ratio Lower Upper
168 100
139 33.7 29.1 43.7





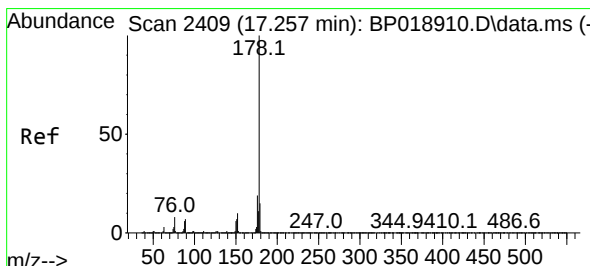
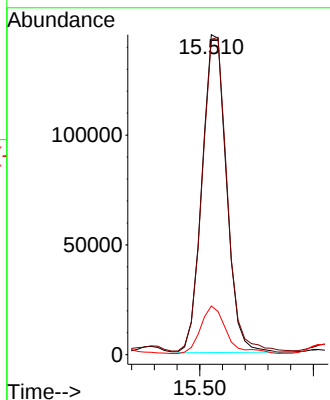
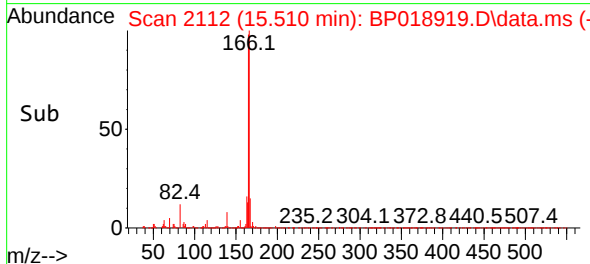
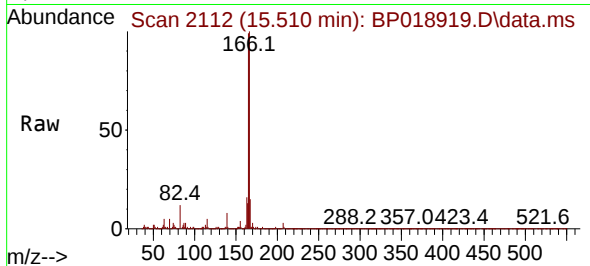
#61
Fluorene
Concen: 5.692 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
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Tgt Ion:166 Resp: 215720
Ion Ratio Lower Upper
166 100
165 98.6 78.0 117.0
167 15.2 10.8 16.2

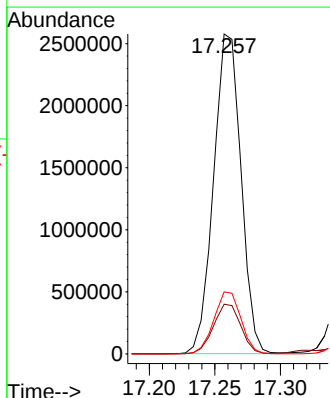
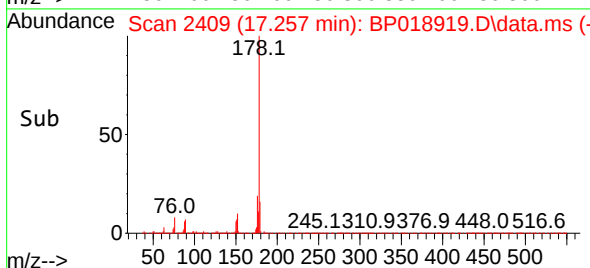
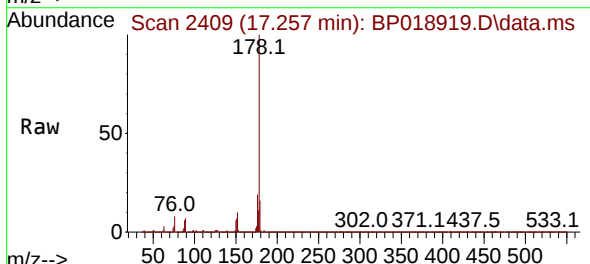
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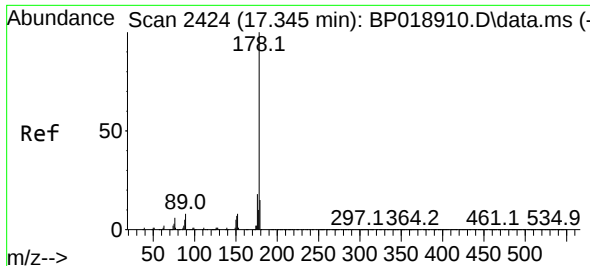
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#72
Phenanthrene
Concen: 59.800 ng/ul
RT: 17.257 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

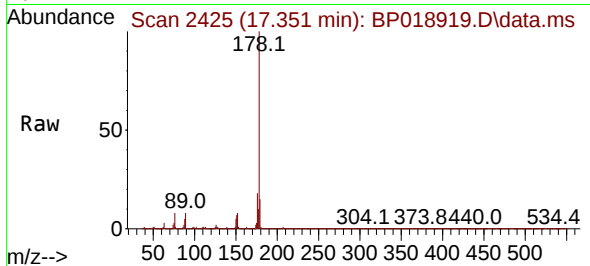
Tgt Ion:178 Resp: 3741002
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 19.4 15.4 23.2





#74
 Anthracene
 Concen: 13.838 ng/ul
 RT: 17.351 min Scan# 2424
 Delta R.T. 0.006 min
 Lab File: BP018919.D
 Acq: 18 Dec 2023 22:08

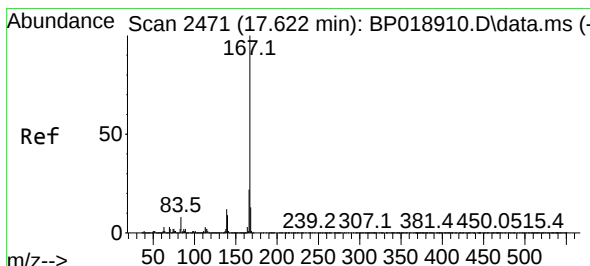
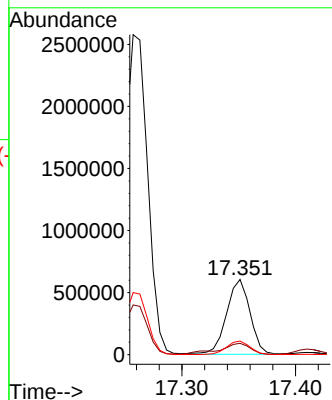
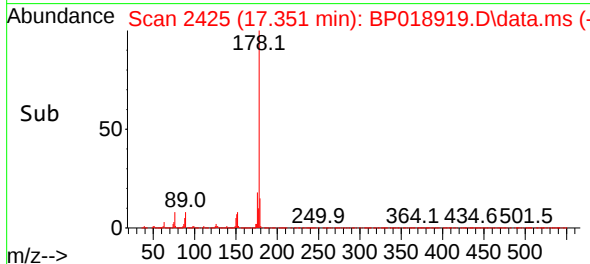
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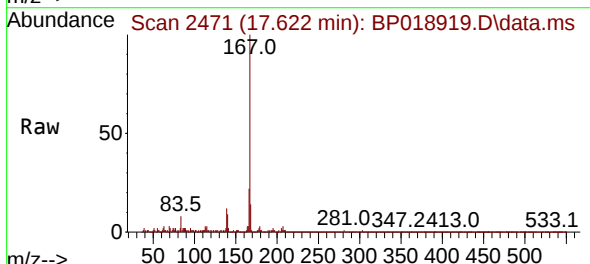
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 179 15.2 12.5 18.7
 176 18.1 15.0 22.6

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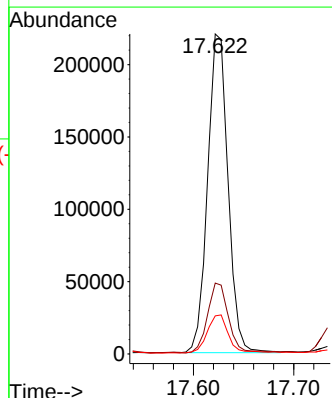
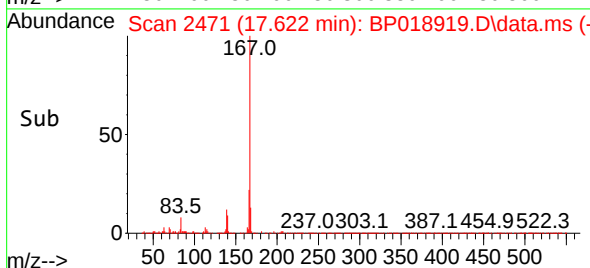
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

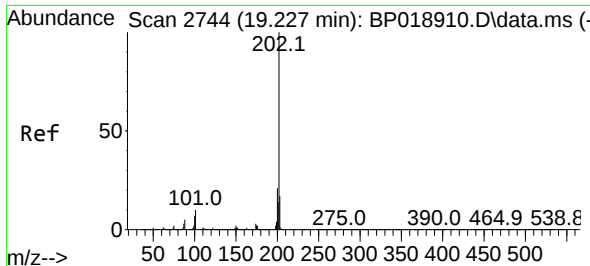


#77
 Carbazole
 Concen: 6.235 ng/ul
 RT: 17.622 min Scan# 2471
 Delta R.T. 0.000 min
 Lab File: BP018919.D
 Acq: 18 Dec 2023 22:08



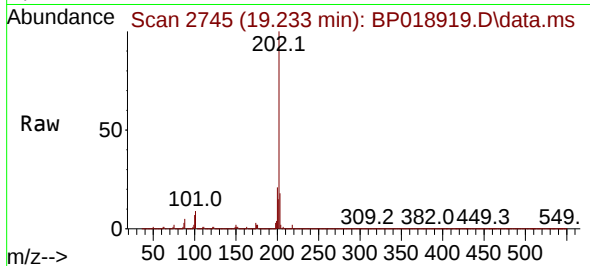
Tgt Ion:167 Resp: 311627
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.1 25.7
 139 11.9 10.2 15.4





#80
Fluoranthene
Concen: 49.489 ng/ul m
RT: 19.233 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

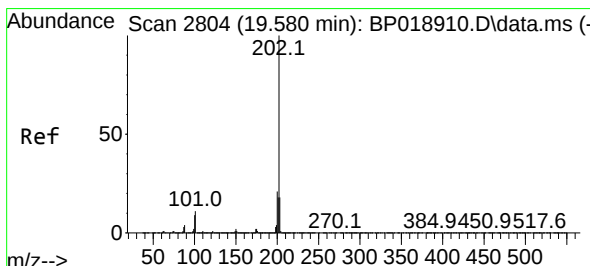
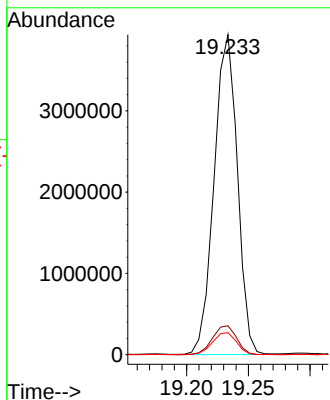
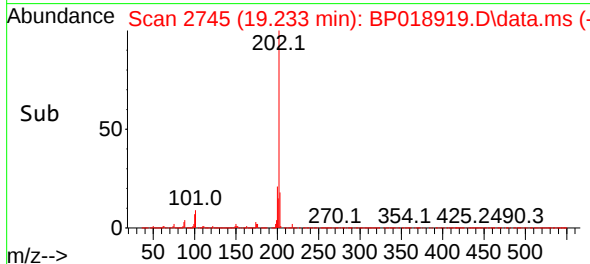
Instrument :
BNA_P
ClientSampleId :
BH3Q2



Tgt Ion:202 Resp: 5159350
Ion Ratio Lower Upper
202 100
101 9.0 9.1 13.7#
100 6.9 7.1 10.7#

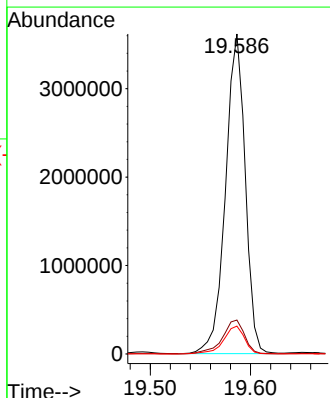
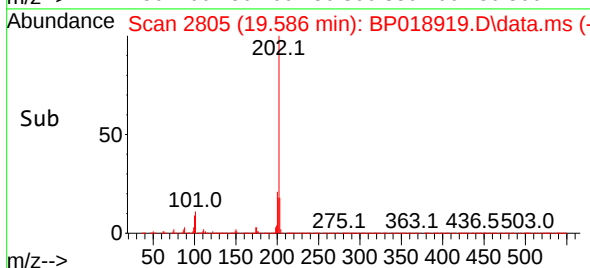
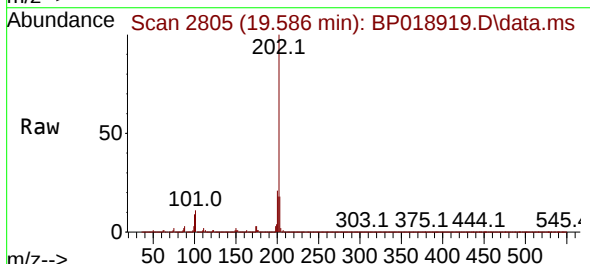
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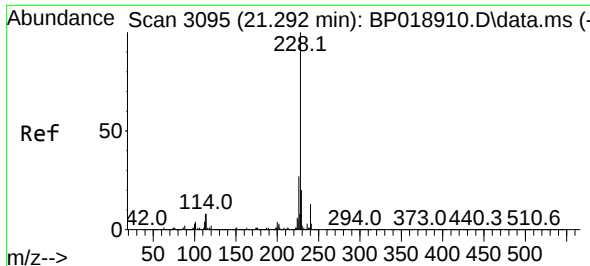
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#82
Pyrene
Concen: 46.868 ng/ul
RT: 19.586 min Scan# 2805
Delta R.T. 0.006 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

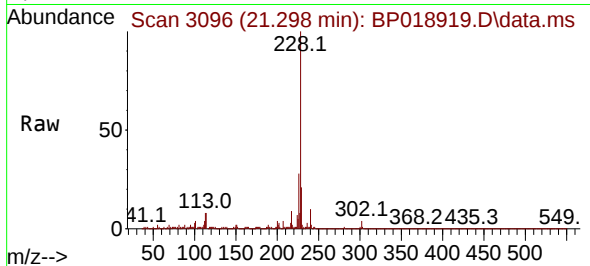
Tgt Ion:202 Resp: 4929150
Ion Ratio Lower Upper
202 100
101 10.6 11.0 16.4#
100 8.7 9.1 13.7#





#85
Benzo(a)anthracene
Concen: 31.175 ng/ul
RT: 21.298 min Scan# 3096
Delta R.T. 0.012 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

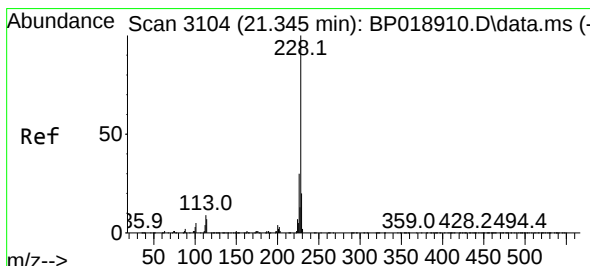
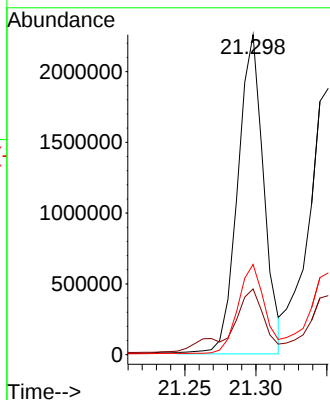
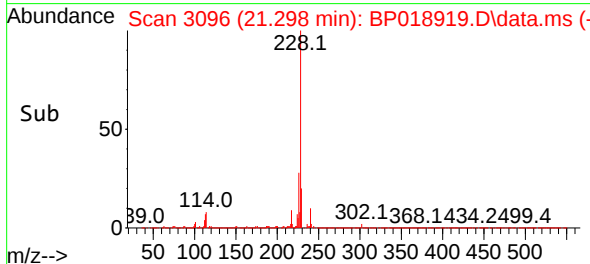
Instrument :
BNA_P
ClientSampleId :
BH3Q2



Tgt Ion:228 Resp: 2867063
Ion Ratio Lower Upper
228 100
229 20.6 15.7 23.5
226 28.2 21.9 32.9

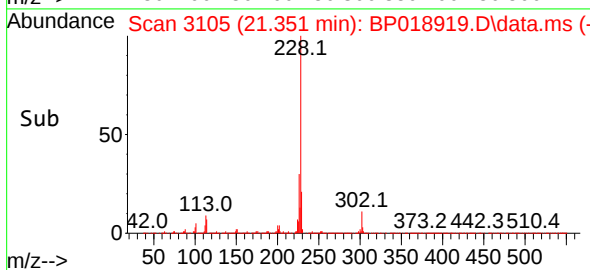
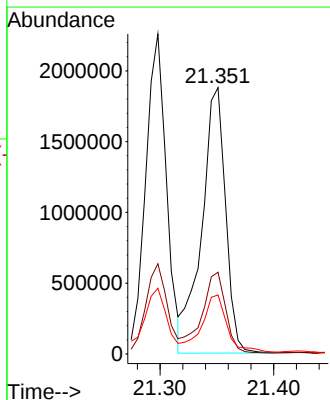
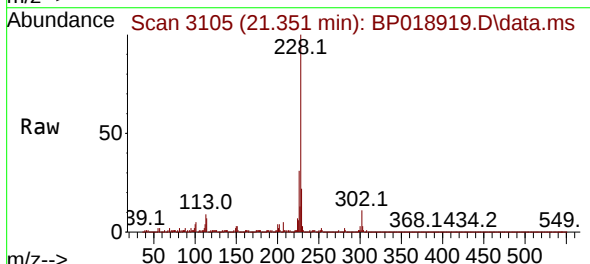
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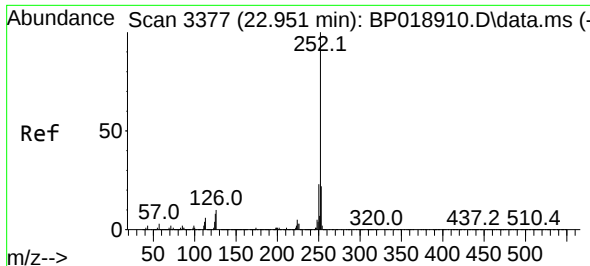
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#87
Chrysene
Concen: 32.378 ng/ul
RT: 21.351 min Scan# 3105
Delta R.T. 0.012 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

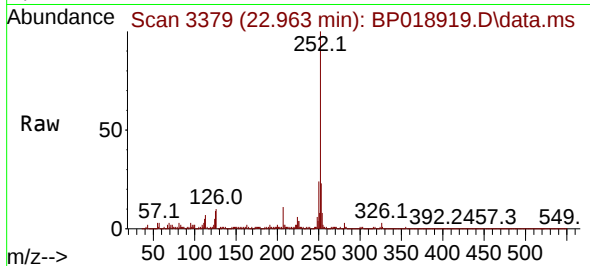
Tgt Ion:228 Resp: 2742092
Ion Ratio Lower Upper
228 100
226 30.7 23.9 35.9
229 22.2 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 31.579 ng/ul
RT: 22.963 min Scan# 3377
Delta R.T. 0.018 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

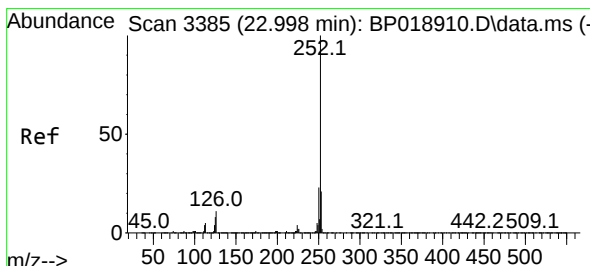
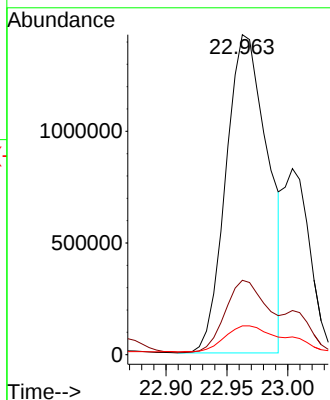
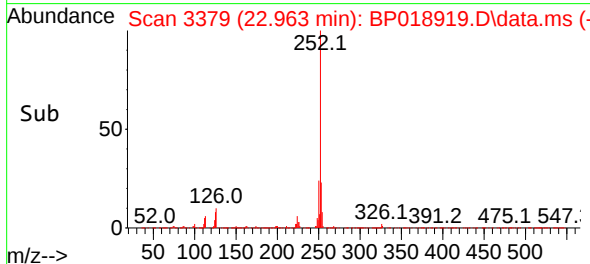
Instrument :
BNA_P
ClientSampleId :
BH3Q2



Tgt Ion:252 Resp: 340508
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 9.0 7.8 11.6

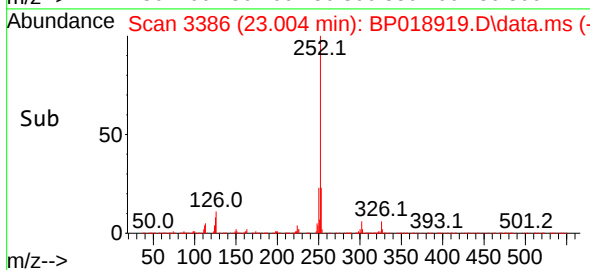
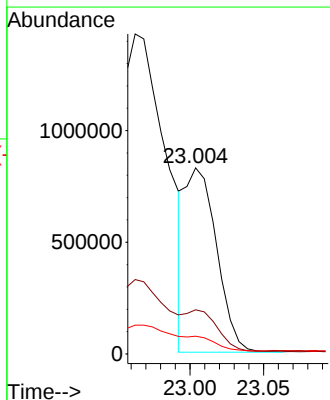
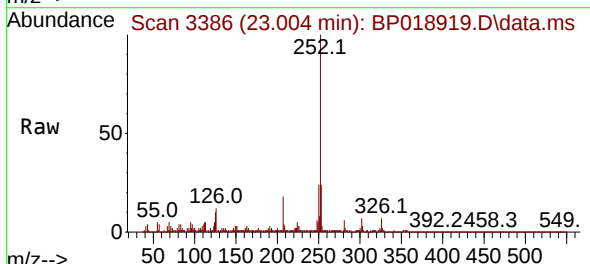
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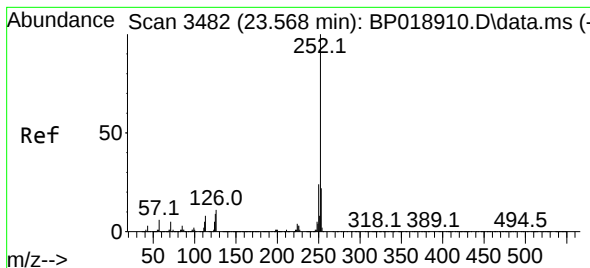
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#91
Benzo(k)fluoranthene
Concen: 11.747 ng/ul m
RT: 23.004 min Scan# 3386
Delta R.T. 0.012 min
Lab File: BP018919.D
Acq: 18 Dec 2023 22:08

Tgt Ion:252 Resp: 1225528
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 9.5 8.0 12.0





#93

Benzo(a)pyrene

Concen: 26.744 ng/ul

RT: 23.580 min Scan# 3482

Delta R.T. 0.018 min

Lab File: BP018919.D

Acq: 18 Dec 2023 22:08

Instrument :

BNA_P

ClientSampleId :

BH3Q2

Tgt Ion:252 Resp: 263492

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

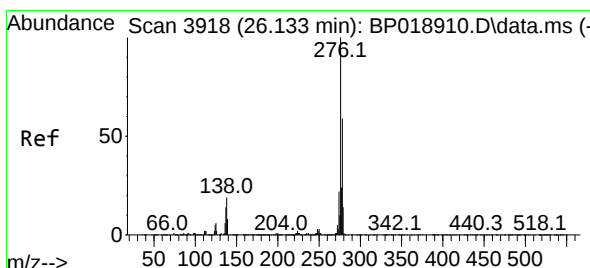
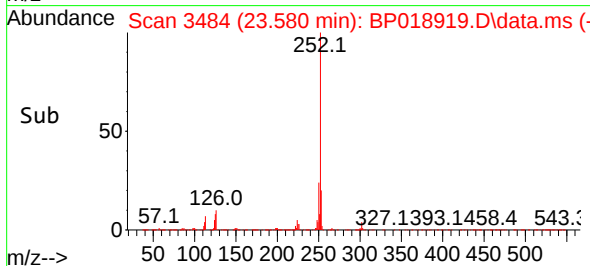
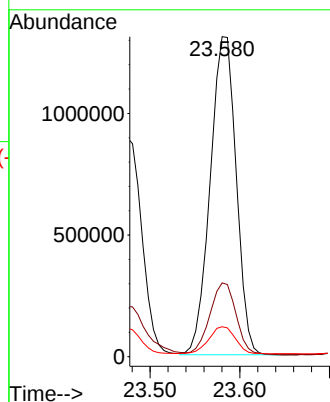
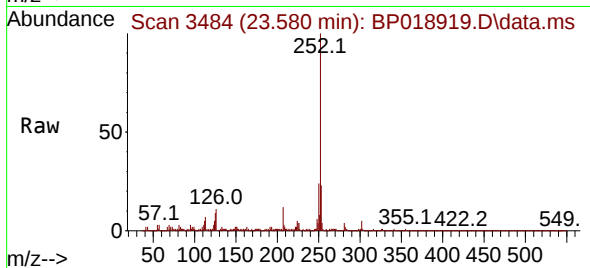
125 9.4 9.2 13.8

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: 15.029 ng/ul

RT: 26.151 min Scan# 3921

Delta R.T. 0.029 min

Lab File: BP018919.D

Acq: 18 Dec 2023 22:08

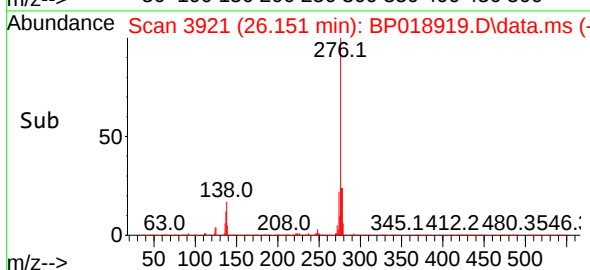
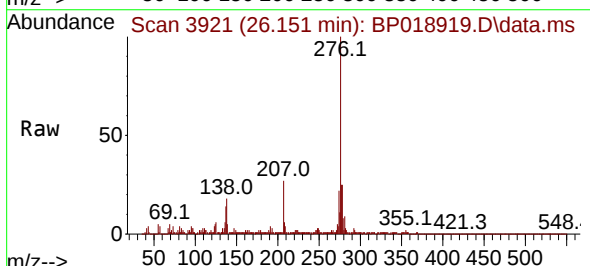
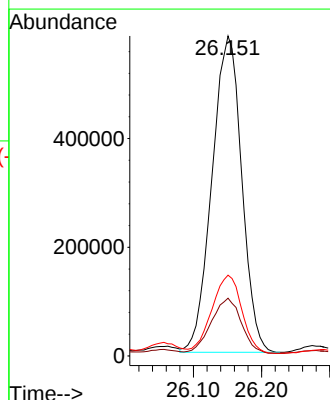
Tgt Ion:276 Resp: 1769108

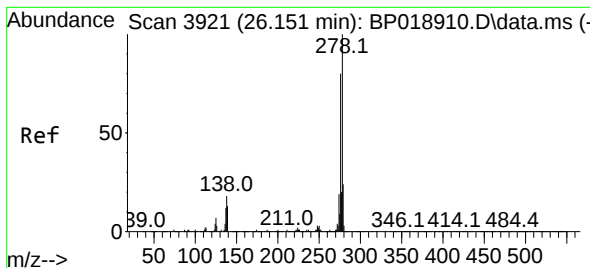
Ion Ratio Lower Upper

276 100

138 18.1 19.4 29.2#

277 25.2 19.8 29.6





#95

Dibenzo(a,h)anthracene

Concen: 5.385 ng/ul

RT: 26.157 min Scan# 3921

Delta R.T. 0.018 min

Lab File: BP018919.D

Acq: 18 Dec 2023 22:08

Instrument :

BNA_P

ClientSampleId :

BH3Q2

Tgt Ion:278 Resp: 527298

Ion Ratio Lower Upper

278 100

139 17.1 13.0 19.6

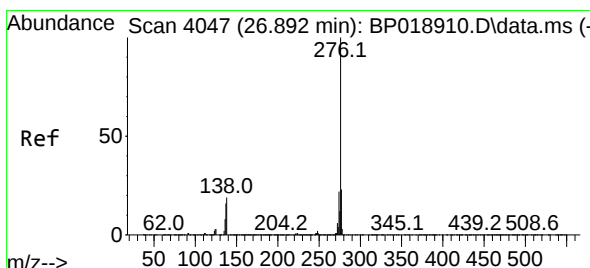
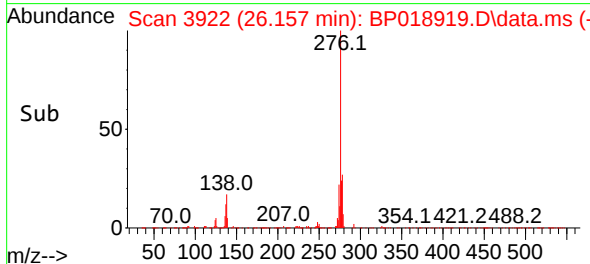
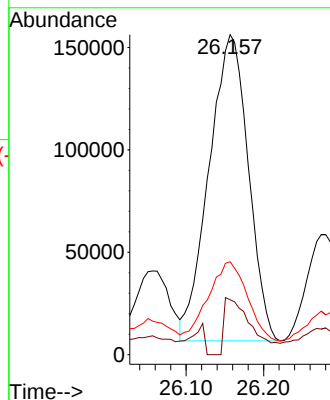
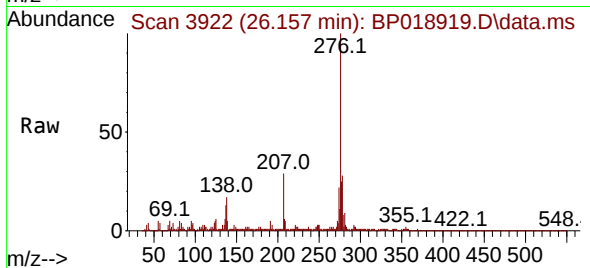
279 29.1 18.7 28.1

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: 13.248 ng/ul

RT: 26.915 min Scan# 4051

Delta R.T. 0.041 min

Lab File: BP018919.D

Acq: 18 Dec 2023 22:08

Tgt Ion:276 Resp: 1255061

Ion Ratio Lower Upper

276 100

138 17.2 18.1 27.1#

277 24.4 19.4 29.0

