

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018918.D
 Acq On : 18 Dec 2023 21:34
 Operator : MA/JU
 Sample : 05794-23
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BGRG4

Quant Time: Dec 18 23:54:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 23:34:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	166246	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	583523	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	366604	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	876013	20.000	ng/u1	0.00
79) Chrysene-d12	21.316	240	834678	20.000	ng/u1	0.01
88) Perylene-d12	23.692	264	1050682	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	14461	2.964	ng/uL	0.00
4) Pyridine-d5	3.687	84	24366	1.865	ng/u1	0.01
7) Phenol-d5	7.005	99	252489	15.134	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	139494	14.107	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	202198	15.532	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	194668	14.418	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	92283	17.769	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	100809	18.722	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	204918	18.612	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	167098	11.613	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	600684	18.358	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	737103	20.459	ng/u1	0.00
54) 4-Nitrophenol-d4	14.681	143	61179	11.391	ng/u1	0.01
60) Fluorene-d10	15.457	176	592084	21.558	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	12171	2.317	ng/u1	0.00
73) Anthracene-d10	17.316	188	1015694	22.055	ng/u1	0.00
81) Pyrene-d10	19.557	212	1207487	18.584	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.539	264	1266012	20.665	ng/u1	0.02
Target Compounds						
					Qvalue	
8) Phenol	7.034	94	27389	1.674	ng/u1	99
16) Acetophenone	8.657	105	144198	7.166	ng/u1	99
30) Naphthalene	10.675	128	84302	2.382	ng/u1	98
36) 2-Methylnaphthalene	12.287	142	40358	1.609	ng/u1	99
37) 1-Methylnaphthalene	12.504	142	35484	1.401	ng/u1	98
50) Acenaphthylene	14.187	152	153861	3.798	ng/u1	98
52) Acenaphthene	14.528	153	312561	11.670	ng/u1	98
56) Dibenzofuran	14.863	168	155497	4.177	ng/u1	96
61) Fluorene	15.510	166	278459	9.454	ng/u1	98
69) Hexachlorobenzene	16.516	284	14371	1.164	ng/u1	96
72) Phenanthrene	17.263	178	4190294	79.201	ng/u1	100
74) Anthracene	17.351	178	1319471	24.880	ng/u1	100
77) Carbazole	17.622	167	454150	10.745	ng/u1	99
78) Di-n-butylphthalate	18.175	149	58166	1.034	ng/u1	96
80) Fluoranthene	19.233	202	8079077m	105.195	ng/u1	
82) Pyrene	19.586	202	7231295	93.333	ng/u1#	93
85) Benzo(a)anthracene	21.298	228	4644352	68.552	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.222	149	157466	4.039	ng/u1#	95
87) Chrysene	21.351	228	4137861	66.323	ng/u1	96
90) Benzo(b)fluoranthene	22.974	252	5880259	75.906	ng/u1	97
91) Benzo(k)fluoranthene	23.010	252	2128205m	28.393	ng/u1	
93) Benzo(a)pyrene	23.592	252	4100249m	57.926	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.168	276	3009061	35.579	ng/u1	96
95) Dibenzo(a,h)anthracene	26.174	278	847057	12.040	ng/u1#	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
96) Benzo(g,h,i)perylene	26.921	276	892984	13.120	ng/ul#	94
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

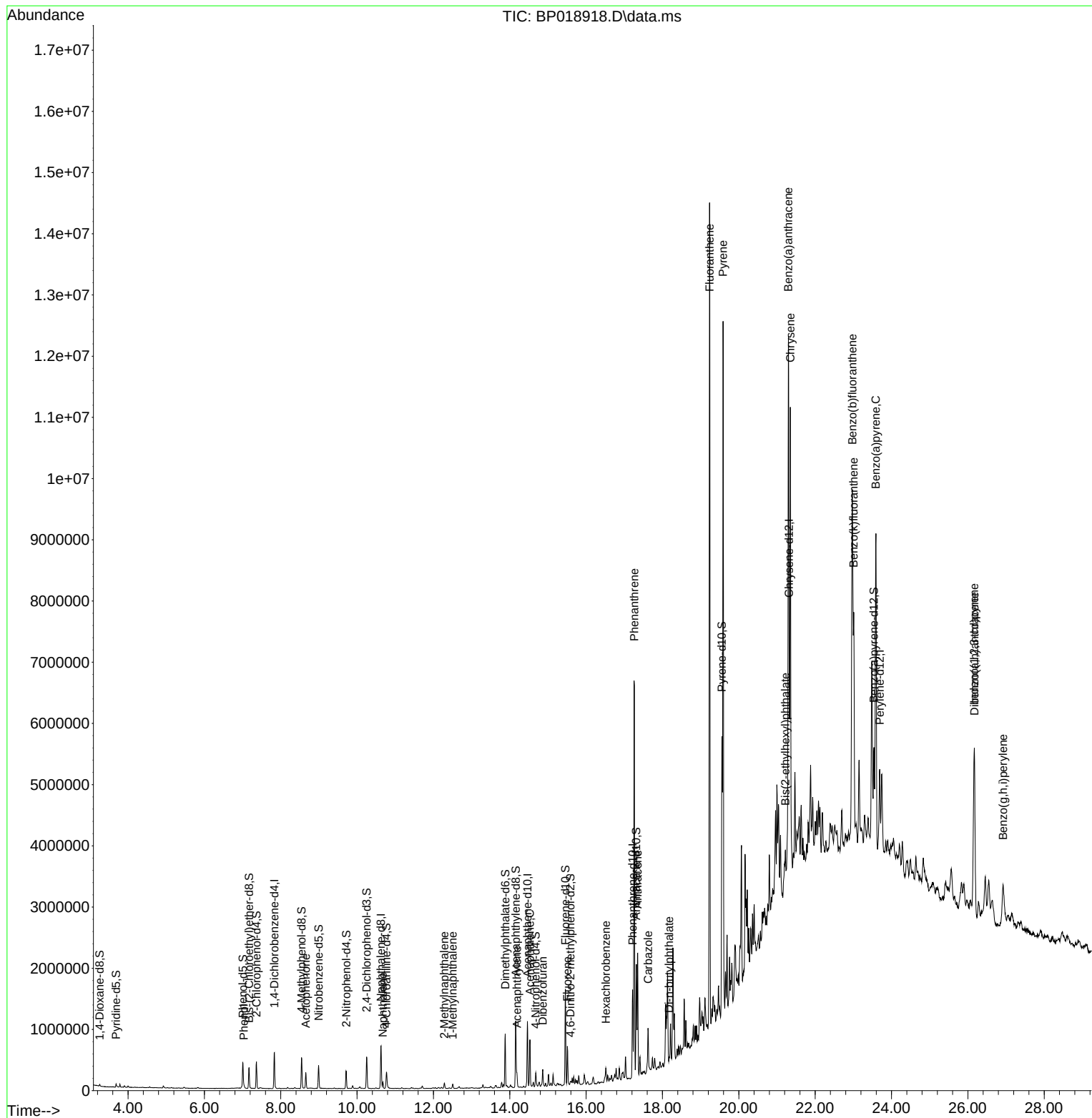
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
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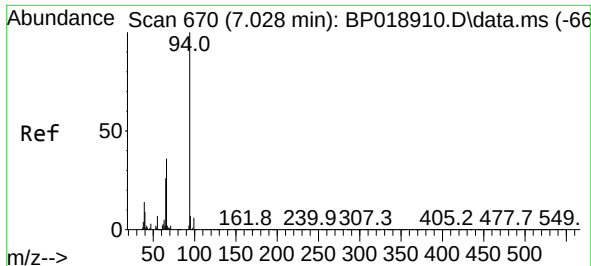
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#8

Phenol

Concen: 1.674 ng/ul

RT: 7.034 min Scan# 61

Delta R.T. 0.006 min

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BNA_P

ClientSampleId :

BGRG4

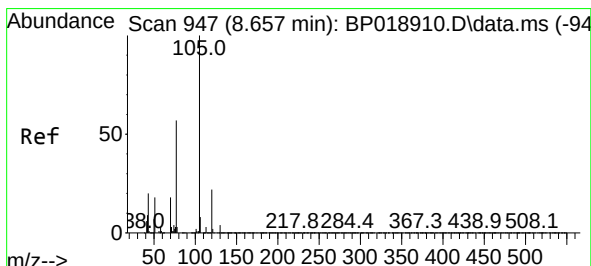
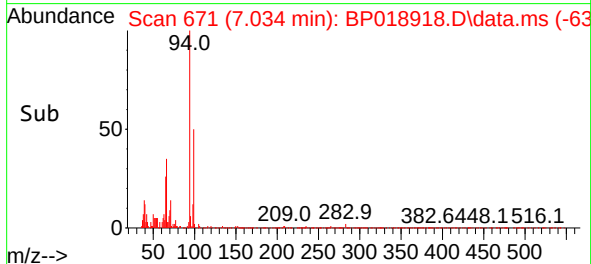
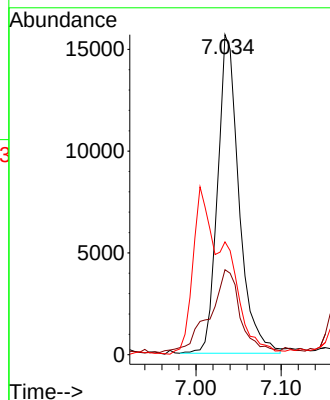
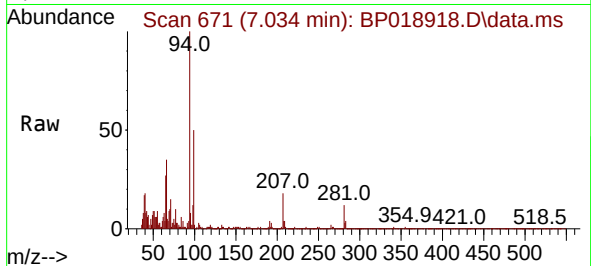
Tgt Ion: 94	Resp: 27389
Ion Ratio	Lower Upper
94 100	
65 26.6	21.0 31.6
66 35.2	28.6 43.0

Manual Integrations

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#16

Acetophenone

Concen: 7.166 ng/ul

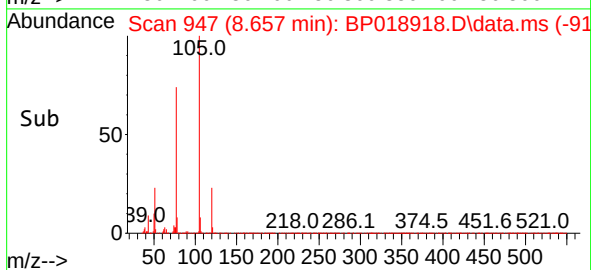
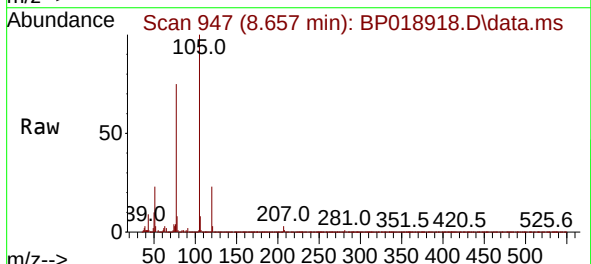
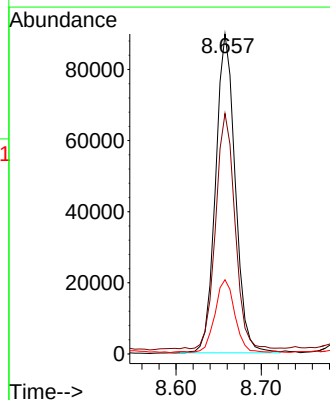
RT: 8.657 min Scan# 947

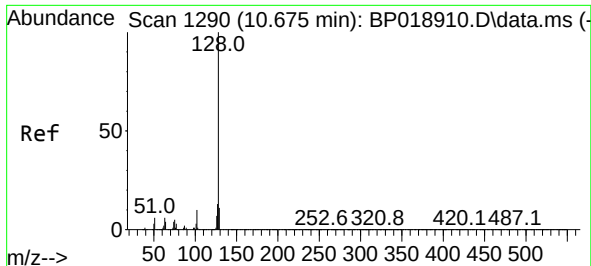
Delta R.T. 0.000 min

Lab File: BP018918.D

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Tgt Ion:105	Resp: 144198
Ion Ratio	Lower Upper
105 100	
77 75.2	59.4 89.0
51 23.2	19.4 29.0





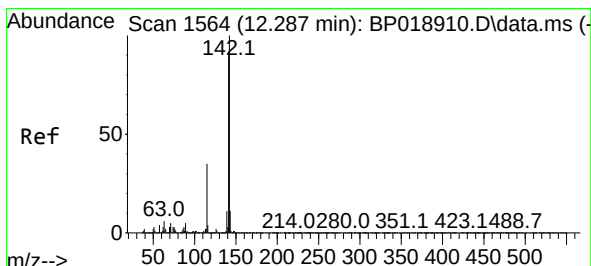
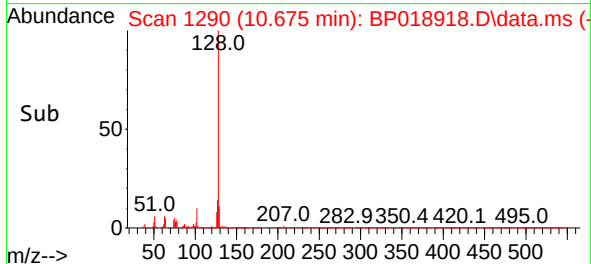
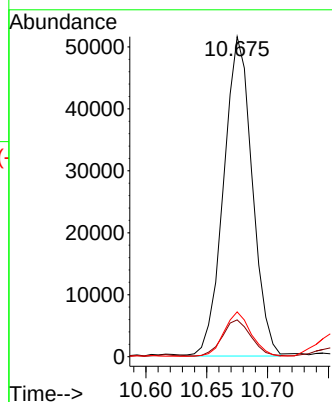
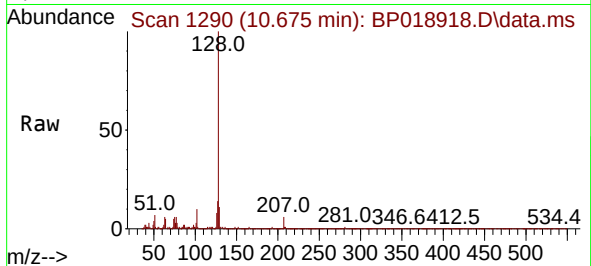
#30
Naphthalene
Concen: 2.382 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BP018918.D
Acq: 18 Dec 2023 21:34

Instrument :
BNA_P
ClientSampleId :
BGRG4

Tgt Ion:128 Resp: 84302
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 14.0 10.5 15.7

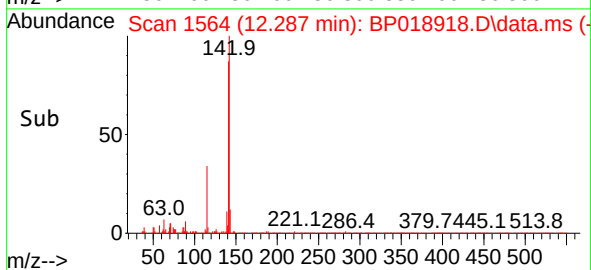
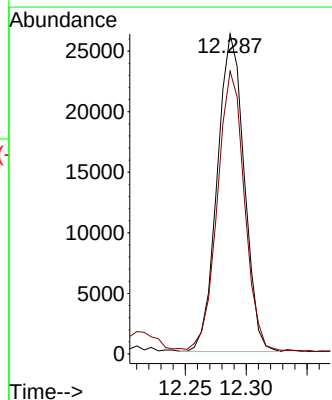
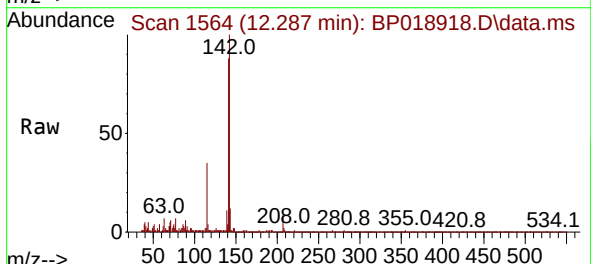
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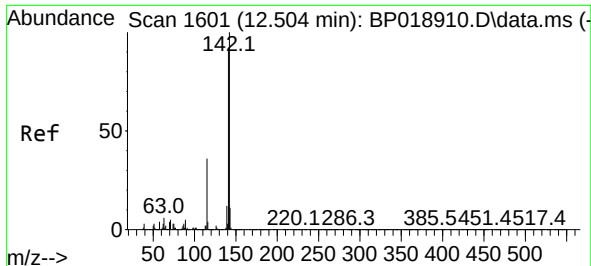
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#36
2-Methylnaphthalene
Concen: 1.609 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BP018918.D
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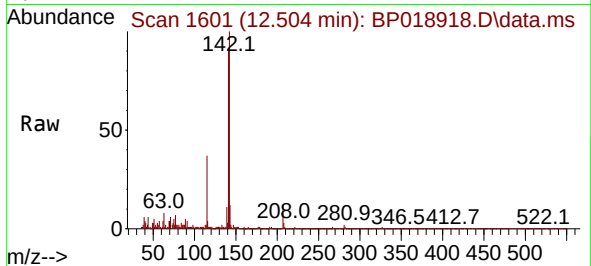
Tgt Ion:142 Resp: 40358
Ion Ratio Lower Upper
142 100
141 88.4 71.4 107.0





#37
1-Methylnaphthalene
Concen: 1.401 ng/ul
RT: 12.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BP018918.D
Acq: 18 Dec 2023 21:34

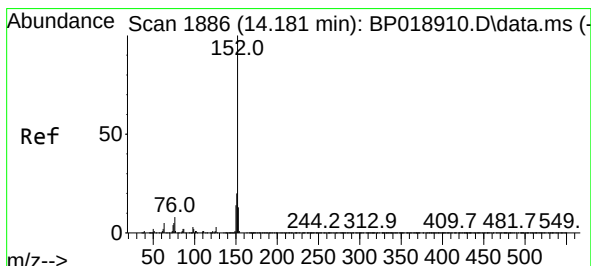
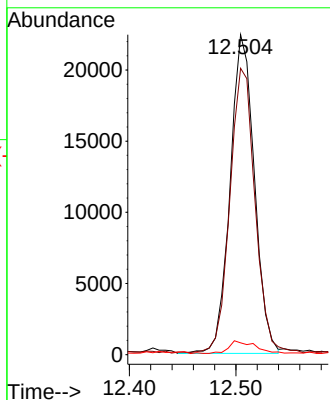
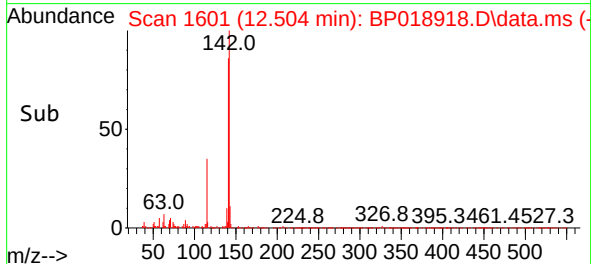
Instrument :
BNA_P
ClientSampleId :
BGRG4



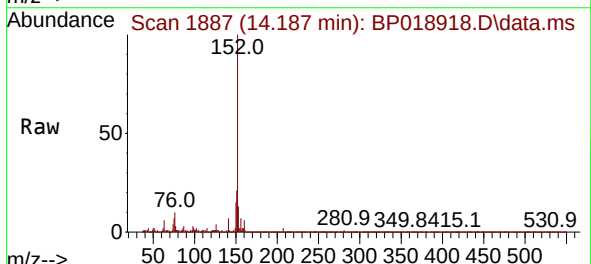
Tgt Ion:142 Resp: 35484
Ion Ratio Lower Upper
142 100
141 89.5 73.5 110.3
116 3.7 2.8 4.2

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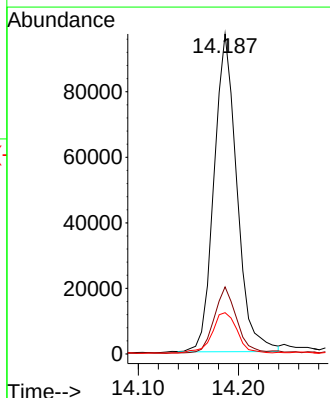
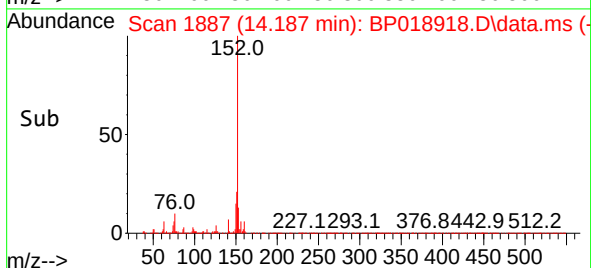
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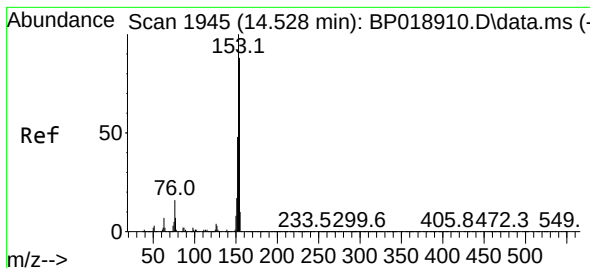


#50
Acenaphthylene
Concen: 3.798 ng/ul
RT: 14.187 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BP018918.D
Acq: 18 Dec 2023 21:34



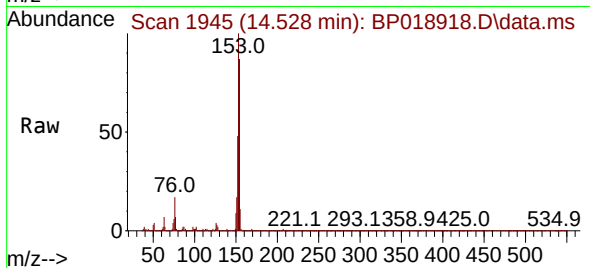
Tgt Ion:152 Resp: 153861
Ion Ratio Lower Upper
152 100
151 20.9 15.9 23.9
153 12.9 10.6 16.0





#52
Acenaphthene
Concen: 11.670 ng/ul
RT: 14.528 min Scan# 1945
Delta R.T. 0.000 min
Lab File: BP018918.D
Acq: 18 Dec 2023 21:34

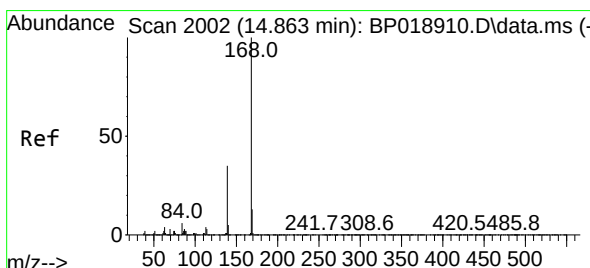
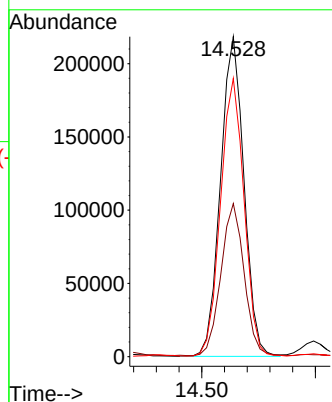
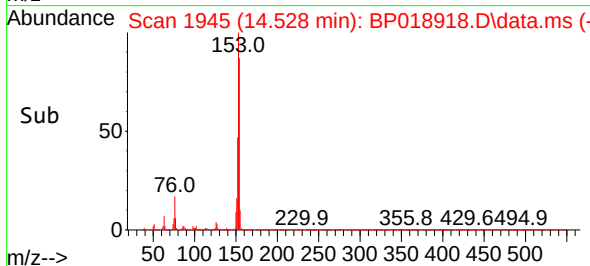
Instrument :
BNA_P
ClientSampleId :
BGRG4



Tgt Ion:153 Resp: 31256
Ion Ratio Lower Upper
153 100
152 47.8 38.1 57.1
154 86.9 71.7 107.5

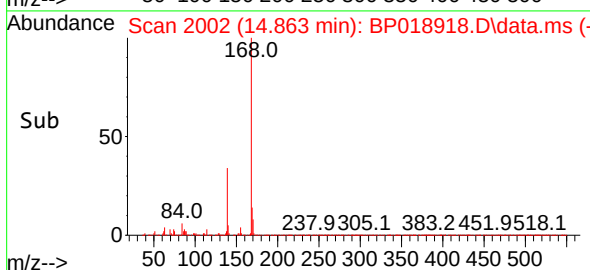
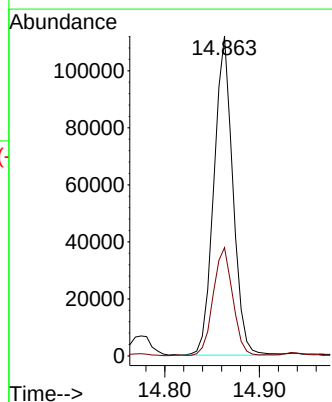
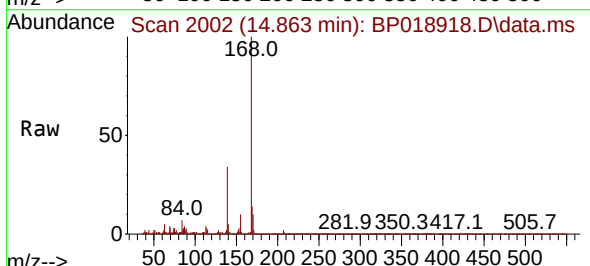
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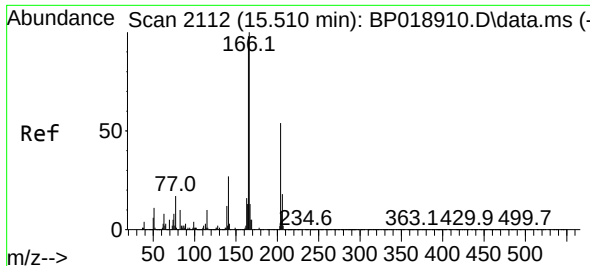
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#56
Dibenzofuran
Concen: 4.177 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BP018918.D
Acq: 18 Dec 2023 21:34

Tgt Ion:168 Resp: 155497
Ion Ratio Lower Upper
168 100
139 33.8 29.1 43.7





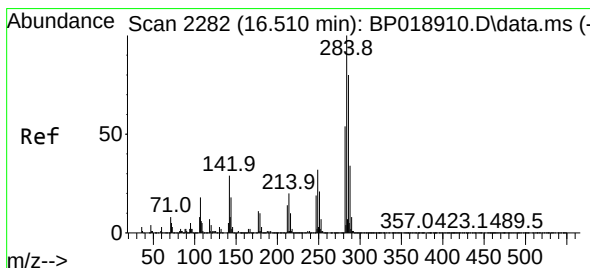
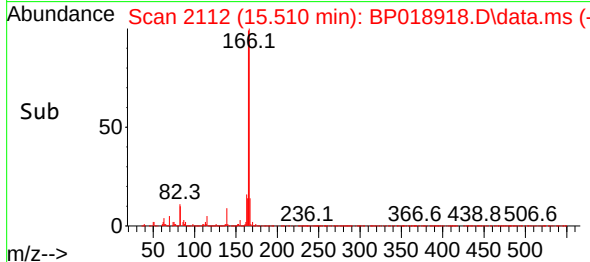
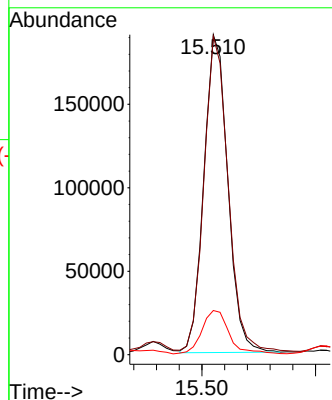
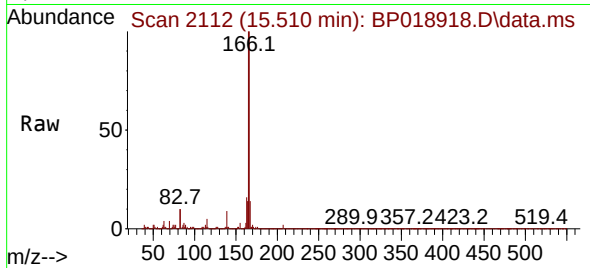
#61
Fluorene
Concen: 9.454 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
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BGRG4

Tgt Ion:166 Resp: 278459
Ion Ratio Lower Upper
166 100
165 99.5 78.0 117.0
167 13.8 10.8 16.2

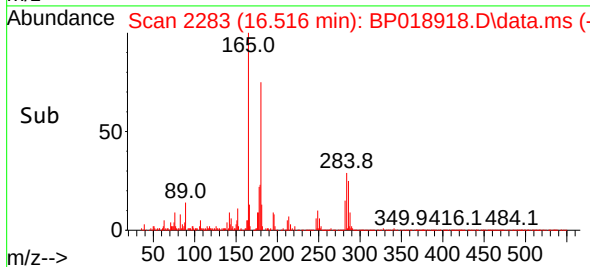
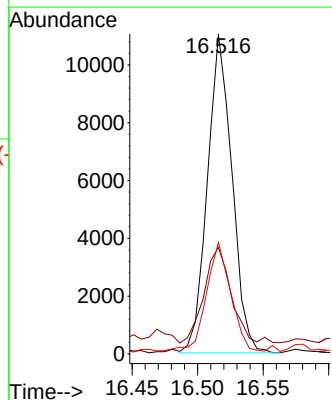
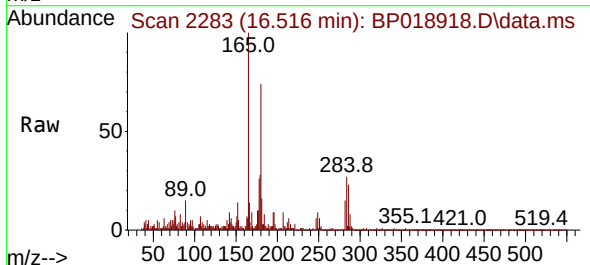
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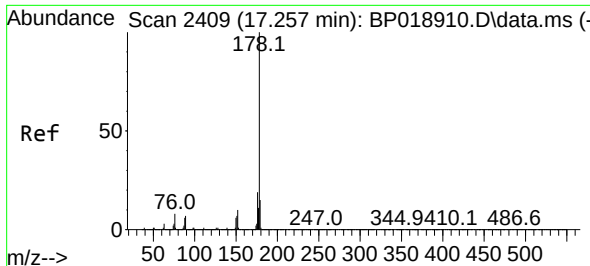
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#69
Hexachlorobenzene
Concen: 1.164 ng/ul
RT: 16.516 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BP018918.D
Acq: 18 Dec 2023 21:34

Tgt Ion:284 Resp: 14371
Ion Ratio Lower Upper
284 100
142 33.4 25.8 38.6
249 34.8 24.9 37.3





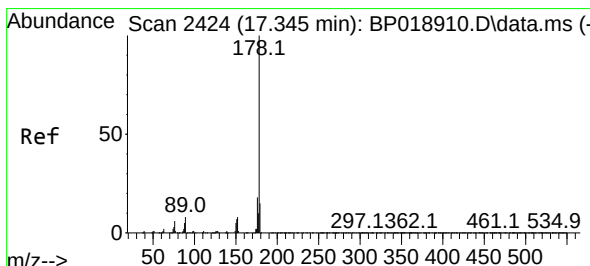
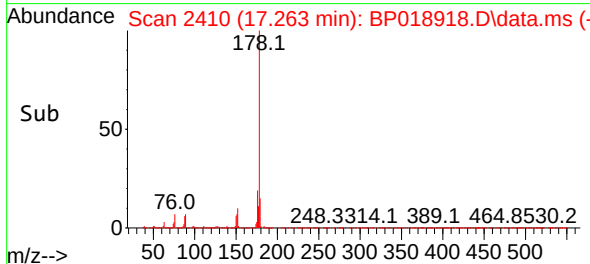
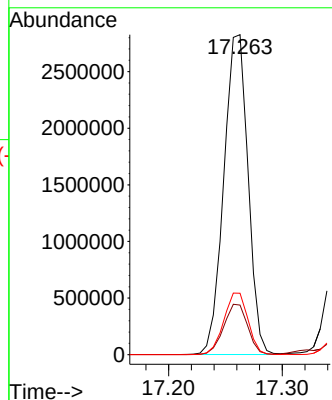
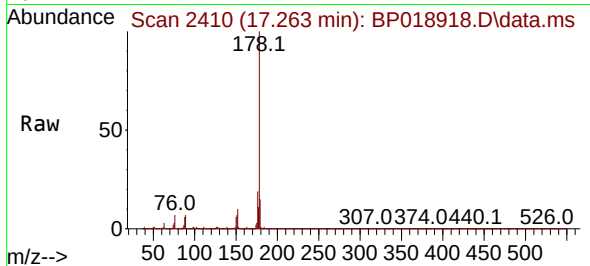
#72
Phenanthrene
Concen: 79.201 ng/u1
RT: 17.263 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BP018918.D
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Instrument :
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BGRG4

Tgt Ion:178 Resp: 4190294
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 19.2 15.4 23.2

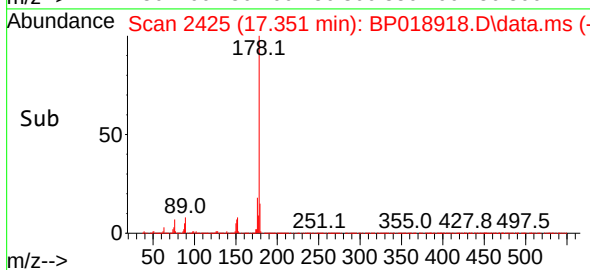
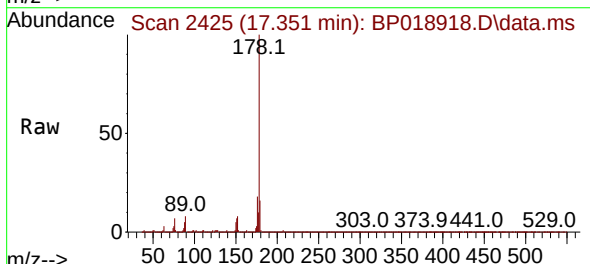
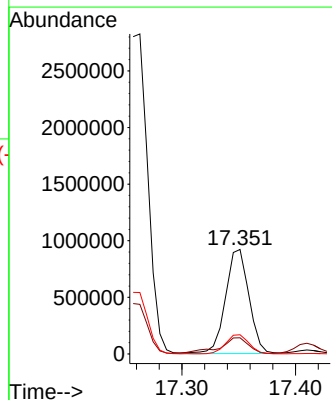
Manual Integrations
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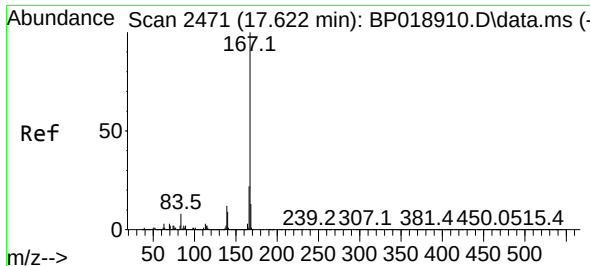
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#74
Anthracene
Concen: 24.880 ng/u1
RT: 17.351 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP018918.D
Acq: 18 Dec 2023 21:34

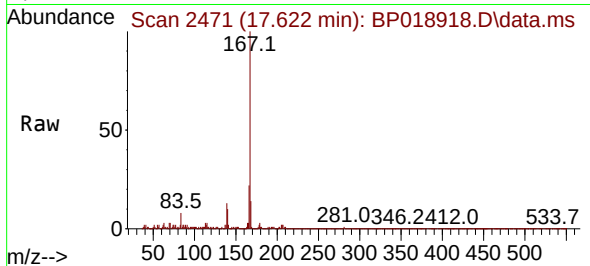
Tgt Ion:178 Resp: 1319471
Ion Ratio Lower Upper
178 100
179 15.5 12.5 18.7
176 18.5 15.0 22.6





#77
 Carbazole
 Concen: 10.745 ng/ul
 RT: 17.622 min Scan# 2471
 Delta R.T. 0.000 min
 Lab File: BP018918.D
 Acq: 18 Dec 2023 21:34

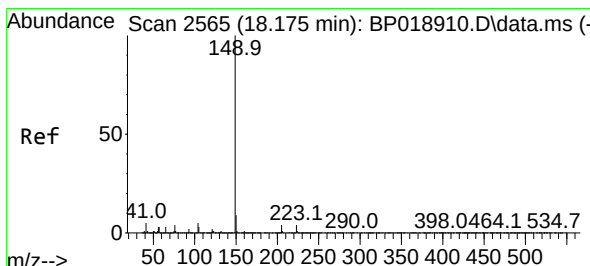
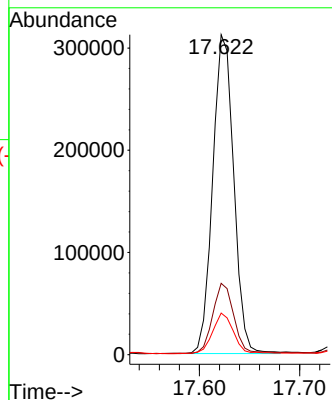
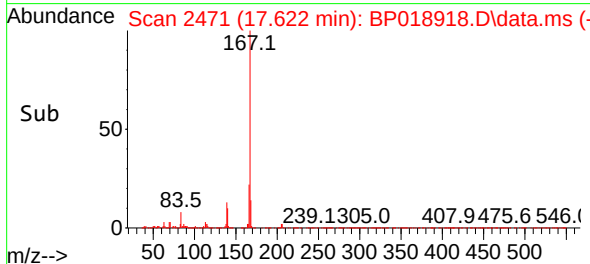
Instrument :
 BNA_P
 ClientSampleId :
 BGRG4



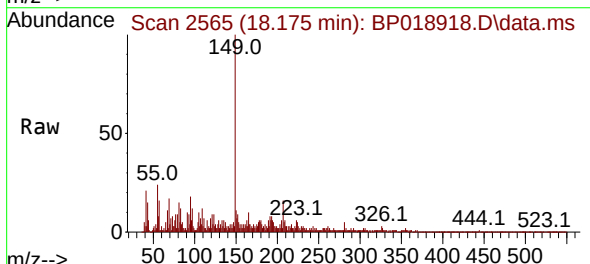
Tgt Ion:167 Resp: 454150
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.1 25.7
 139 13.0 10.2 15.4

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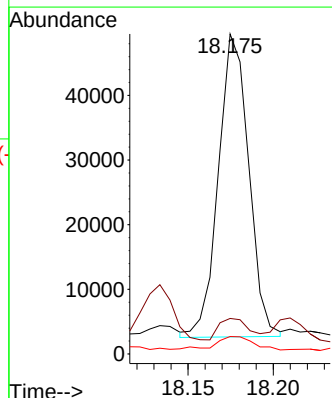
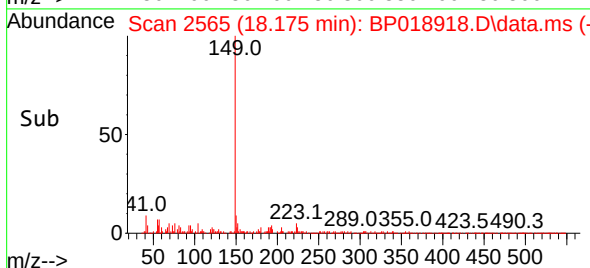
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

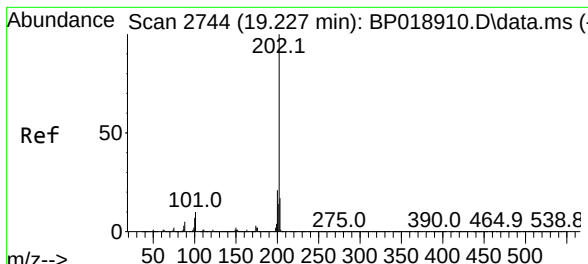


#78
 Di-n-butylphthalate
 Concen: 1.034 ng/ul
 RT: 18.175 min Scan# 2565
 Delta R.T. -0.006 min
 Lab File: BP018918.D
 Acq: 18 Dec 2023 21:34



Tgt Ion:149 Resp: 58166
 Ion Ratio Lower Upper
 149 100
 150 11.1 7.4 11.2
 104 5.5 3.9 5.9





#80
 Fluoranthene
 Concen: 105.195 ng/ul m
 RT: 19.233 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP018918.D
 Acq: 18 Dec 2023 21:34

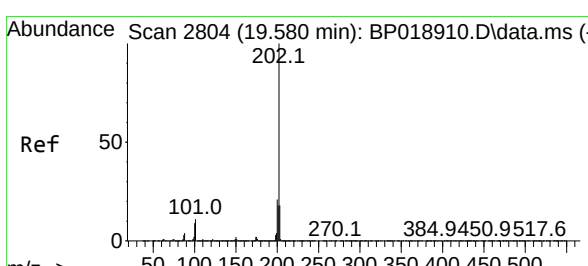
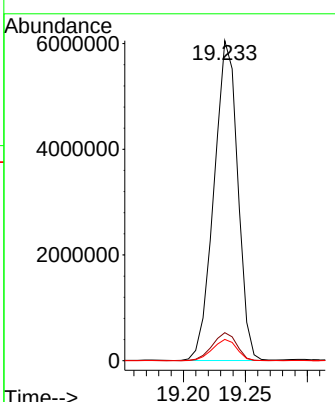
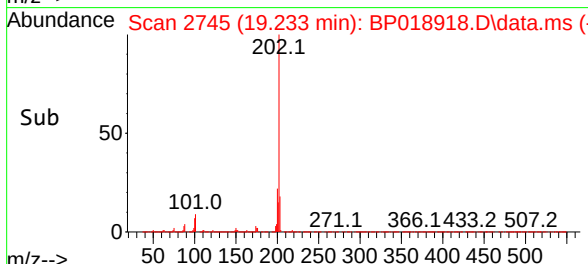
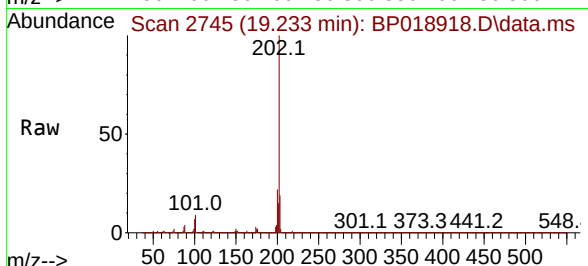
Instrument :
 BNA_P
 ClientSampleId :
 BGRG4

Tgt Ion:202 Resp: 807907

Ion	Ratio	Lower	Upper
202	100		
101	8.7	9.1	13.7
100	6.7	7.1	10.7

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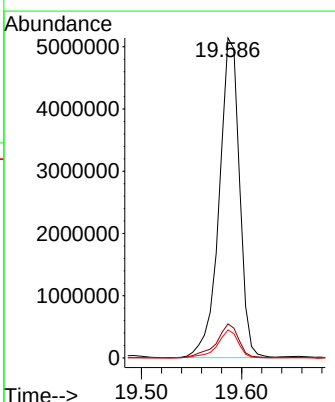
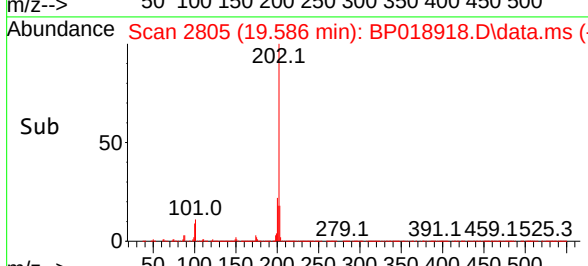
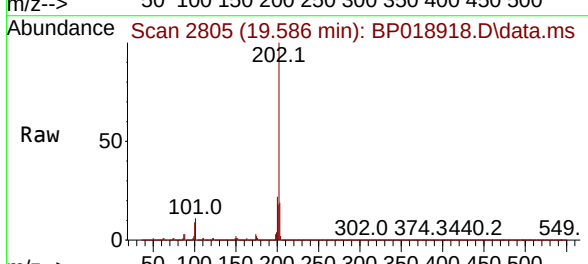
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

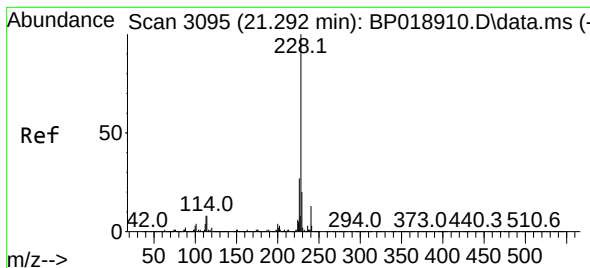


#82
 Pyrene
 Concen: 93.333 ng/ul
 RT: 19.586 min Scan# 2805
 Delta R.T. 0.006 min
 Lab File: BP018918.D
 Acq: 18 Dec 2023 21:34

Tgt Ion:202 Resp: 7231295

Ion	Ratio	Lower	Upper
202	100		
101	10.7	11.0	16.4
100	8.8	9.1	13.7





#85

Benzo(a)anthracene

Concen: 68.552 ng/ul

RT: 21.298 min Scan# 3095

Delta R.T. 0.012 min

Lab File: BP018918.D

Acq: 18 Dec 2023 21:34

Instrument :

BNA_P

ClientSampleId :

BGRG4

Tgt Ion:228 Resp: 464435

Ion Ratio Lower Upper

228 100

229 21.2 15.7 23.5

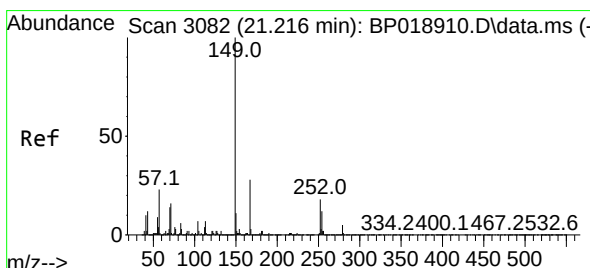
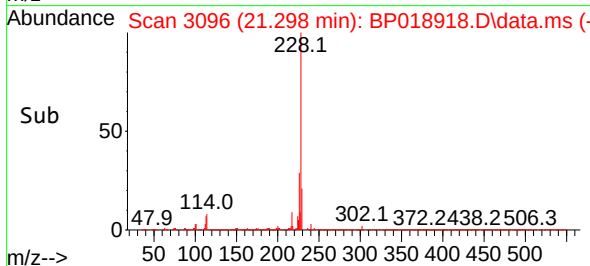
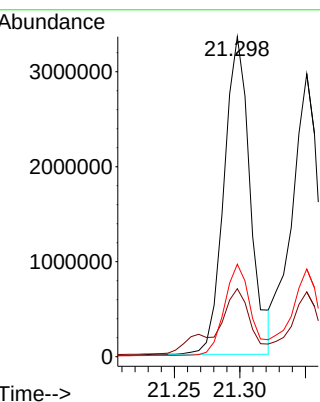
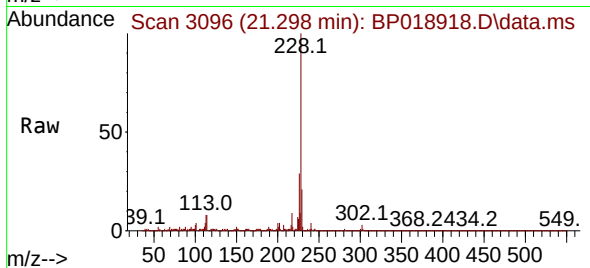
226 28.9 21.9 32.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.039 ng/ul

RT: 21.222 min Scan# 3083

Delta R.T. 0.006 min

Lab File: BP018918.D

Acq: 18 Dec 2023 21:34

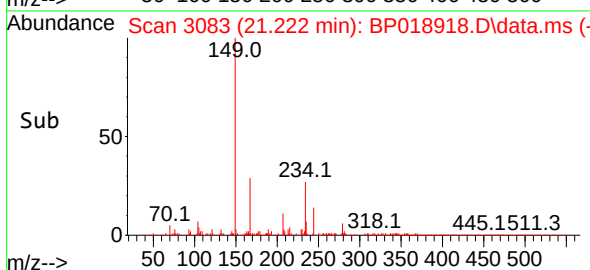
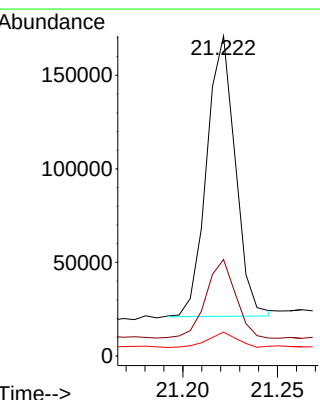
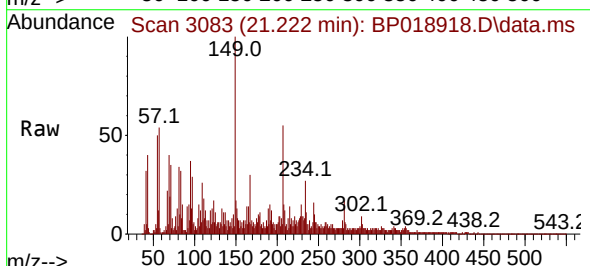
Tgt Ion:149 Resp: 157466

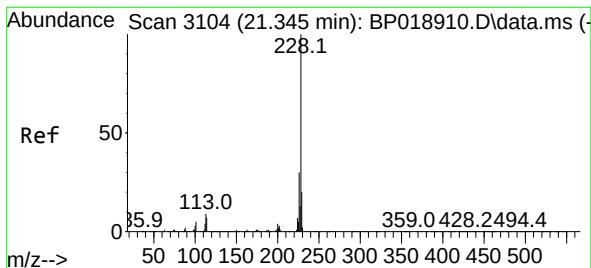
Ion Ratio Lower Upper

149 100

167 30.2 22.2 33.2

279 7.4 3.3 4.9





#87

Chrysene

Concen: 66.323 ng/ul

RT: 21.351 min Scan# 3105

Delta R.T. 0.012 min

Lab File: BP018918.D

Acq: 18 Dec 2023 21:34

Instrument :

BNA_P

ClientSampleId :

BGRG4

Tgt Ion:228 Resp: 413786

Ion Ratio Lower Upper

228 100

226 31.0 23.9 35.9

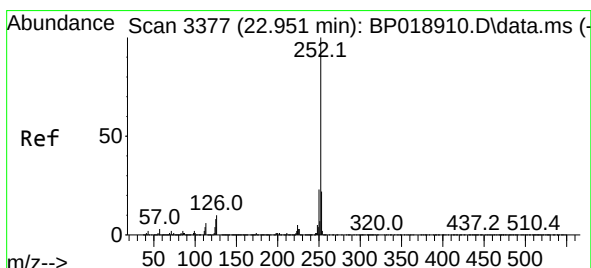
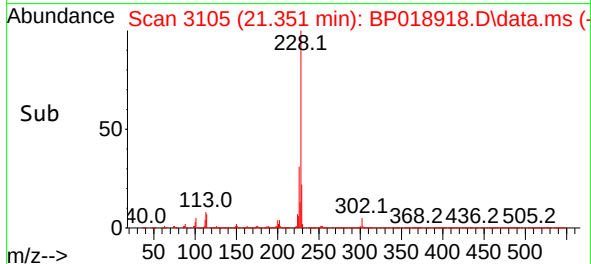
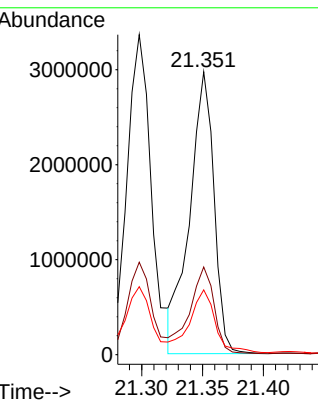
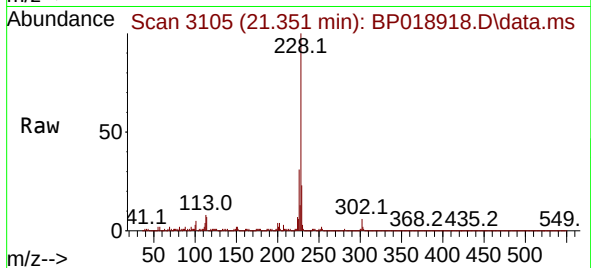
229 22.9 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#90

Benzo(b)fluoranthene

Concen: 75.906 ng/ul

RT: 22.974 min Scan# 3381

Delta R.T. 0.029 min

Lab File: BP018918.D

Acq: 18 Dec 2023 21:34

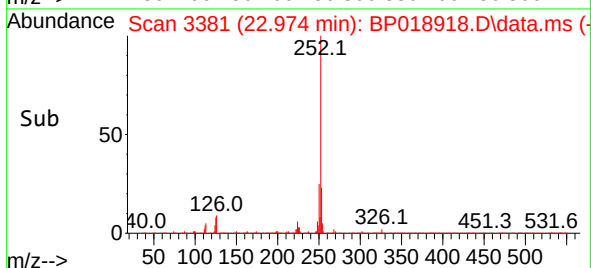
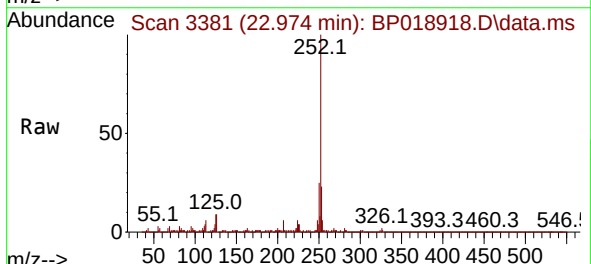
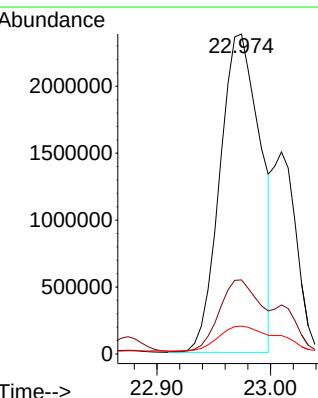
Tgt Ion:252 Resp: 5880259

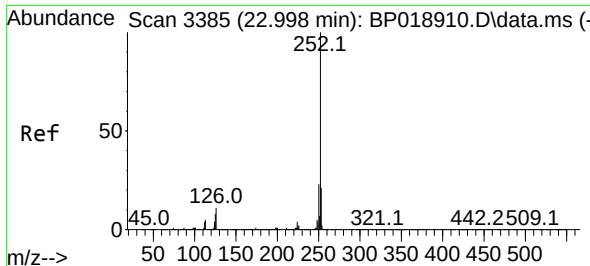
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 8.7 7.8 11.6





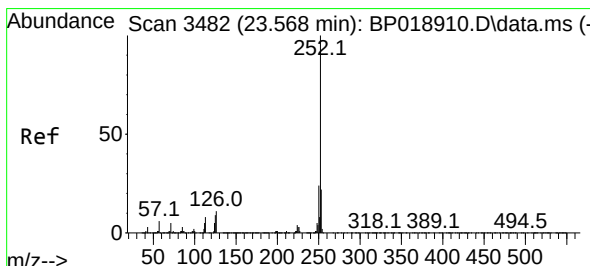
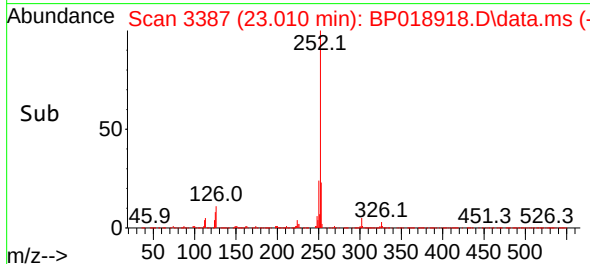
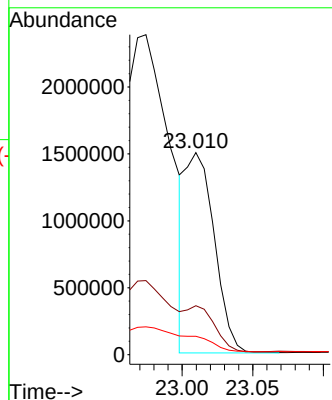
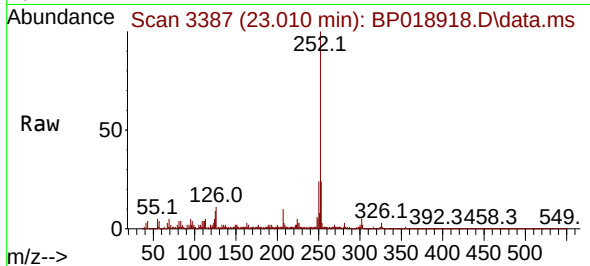
#91
Benzo(k)fluoranthene
Concen: 28.393 ng/ul m
RT: 23.010 min Scan# 3385
Delta R.T. 0.018 min
Lab File: BP018918.D
Acq: 18 Dec 2023 21:34

Instrument :
BNA_P
ClientSampleId :
BGRG4

Tgt Ion:252 Resp: 212820
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 9.1 8.0 12.0

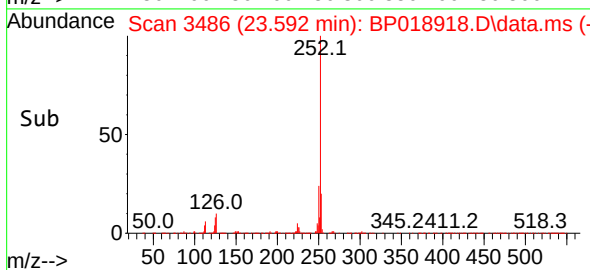
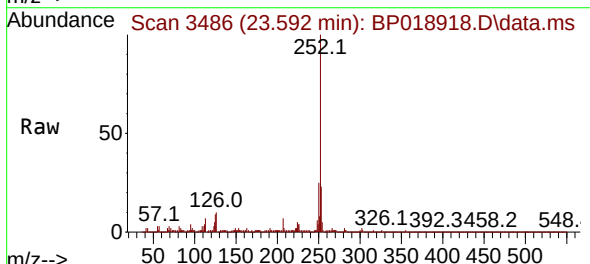
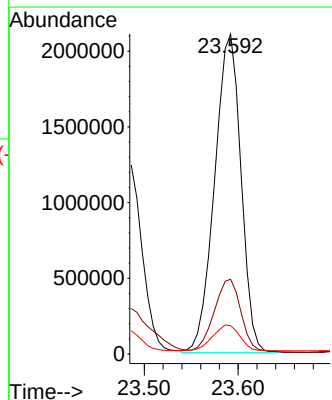
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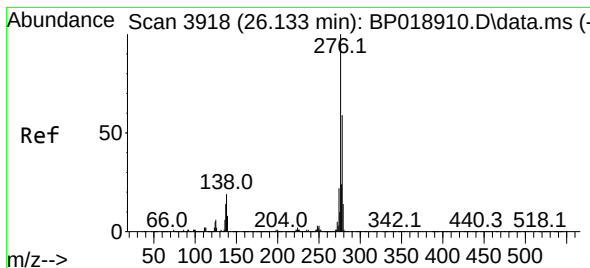
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#93
Benzo(a)pyrene
Concen: 57.926 ng/ul m
RT: 23.592 min Scan# 3486
Delta R.T. 0.029 min
Lab File: BP018918.D
Acq: 18 Dec 2023 21:34

Tgt Ion:252 Resp: 4100249
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 8.8 9.2 13.8#





#94

Indeno(1,2,3-cd)pyrene

Concen: 35.579 ng/ul

RT: 26.168 min Scan# 3918

Delta R.T. 0.047 min

Lab File: BP018918.D

Acq: 18 Dec 2023 21:34

Instrument :

BNA_P

ClientSampleId :

BGRG4

Tgt Ion:276 Resp: 300906

Ion Ratio Lower Upper

276 100

138 21.1 19.4 29.2

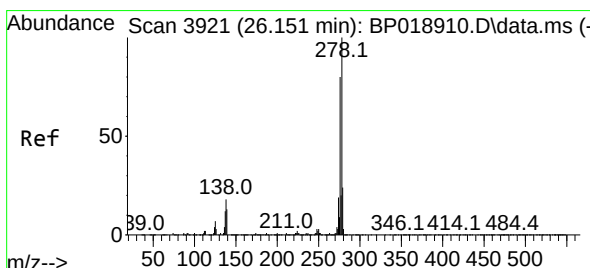
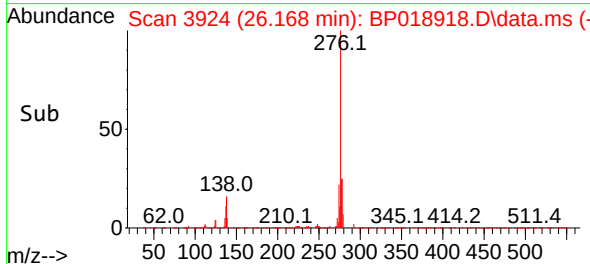
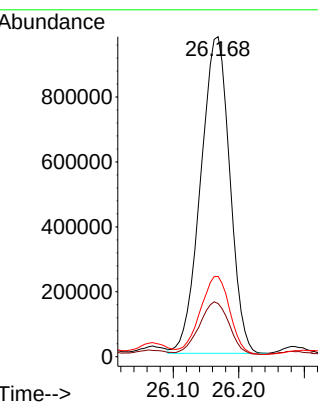
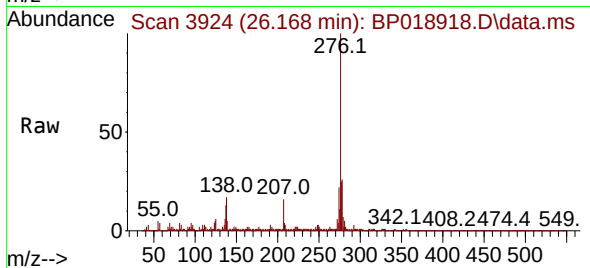
277 25.1 19.8 29.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#95

Dibenzo(a,h)anthracene

Concen: 12.040 ng/ul

RT: 26.174 min Scan# 3925

Delta R.T. 0.035 min

Lab File: BP018918.D

Acq: 18 Dec 2023 21:34

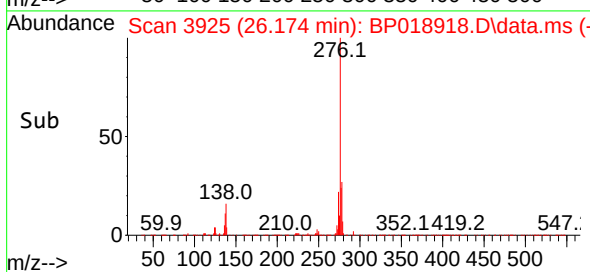
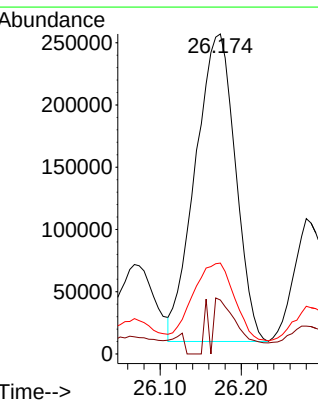
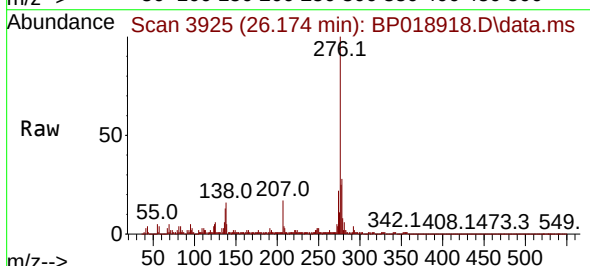
Tgt Ion:278 Resp: 847057

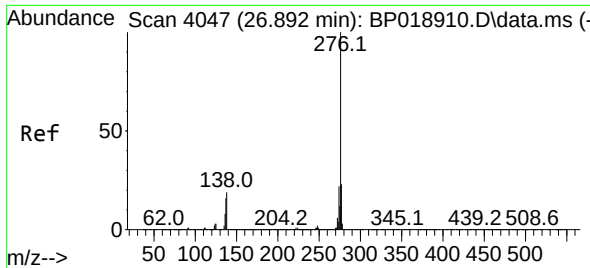
Ion Ratio Lower Upper

278 100

139 16.9 13.0 19.6

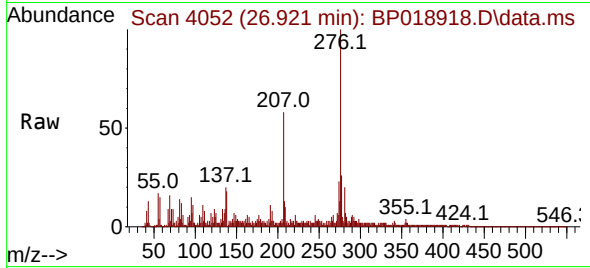
279 28.4 18.7 28.1#





#96
Benzo(g,h,i)perylene
Concen: 13.120 ng/ul
RT: 26.921 min Scan# 4052
Delta R.T. 0.047 min
Lab File: BP018918.D
Acq: 18 Dec 2023 21:34

Instrument :
BNA_P
ClientSampleId :
BGRG4



Tgt Ion:276 Resp: 892984
Ion Ratio Lower Upper
276 100
138 17.7 18.1 27.1
277 25.6 19.4 29.0

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

