

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018917.D
 Acq On : 18 Dec 2023 21:00
 Operator : MA/JU
 Sample : 05794-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BGRG0

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 23:47:18 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	192388	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	688256	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	416971	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	997260	20.000	ng/u1	0.00
79) Chrysene-d12	21.316	240	1007764	20.000	ng/u1	0.01
88) Perylene-d12	23.686	264	1294744	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	12068	2.138	ng/uL	0.00
4) Pyridine-d5	3.681	84	35922	2.375	ng/u1	0.00
7) Phenol-d5	7.004	99	198633	10.288	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	116837	10.210	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	163690	10.866	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	146212	9.358	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	74430	12.150	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	78939	12.430	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.251	165	158763	12.225	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	119598	7.047	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	471835	12.679	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	586273	14.307	ng/u1	0.00
54) 4-Nitrophenol-d4	14.681	143	41250	6.753	ng/u1	0.01
60) Fluorene-d10	15.457	176	463368	14.833	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	16715	2.795	ng/u1	0.00
73) Anthracene-d10	17.316	188	788397	15.038	ng/u1	0.00
81) Pyrene-d10	19.557	212	991086	12.634	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.533	264	1100411	14.576	ng/u1	0.02
Target Compounds						
					Qvalue	
8) Phenol	7.034	94	33548	1.772	ng/u1	93
16) Acetophenone	8.657	105	170548	7.324	ng/u1	99
30) Naphthalene	10.675	128	102646	2.458	ng/u1	97
36) 2-Methylnaphthalene	12.287	142	53038	1.793	ng/u1	97
37) 1-Methylnaphthalene	12.504	142	50884	1.703	ng/u1#	98
39) 1,2,4,5-Tetrachloroben...	12.657	216	39431	2.606	ng/u1	99
50) Acenaphthylene	14.186	152	276604	6.004	ng/u1	99
52) Acenaphthene	14.528	153	133983	4.398	ng/u1	99
56) Dibenzofuran	14.863	168	188171	4.444	ng/u1	96
61) Fluorene	15.510	166	245482	7.327	ng/u1	99
69) Hexachlorobenzene	16.516	284	215276	15.315	ng/u1	97
72) Phenanthrene	17.257	178	4454322	73.955	ng/u1	100
74) Anthracene	17.351	178	1085200	17.975	ng/u1	100
77) Carbazole	17.622	167	411775	8.558	ng/u1	98
80) Fluoranthene	19.233	202	7309002m	78.823	ng/u1	
82) Pyrene	19.586	202	6485060	69.326	ng/u1#	92
85) Benzo(a)anthracene	21.298	228	3766363	46.044	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.221	149	97349	2.068	ng/u1#	88
87) Chrysene	21.351	228	3804459	50.506	ng/u1	97
90) Benzo(b)fluoranthene	22.968	252	5304150	55.563	ng/u1	96
91) Benzo(k)fluoranthene	23.010	252	1690700m	18.304	ng/u1	
93) Benzo(a)pyrene	23.586	252	3697166m	42.386	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.162	276	2718233	26.082	ng/u1#	93
95) Dibenzo(a,h)anthracene	26.168	278	744098	8.583	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
96) Benzo(g,h,i)perylene	26.915	276	971130	11.579	ng/ul	95
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

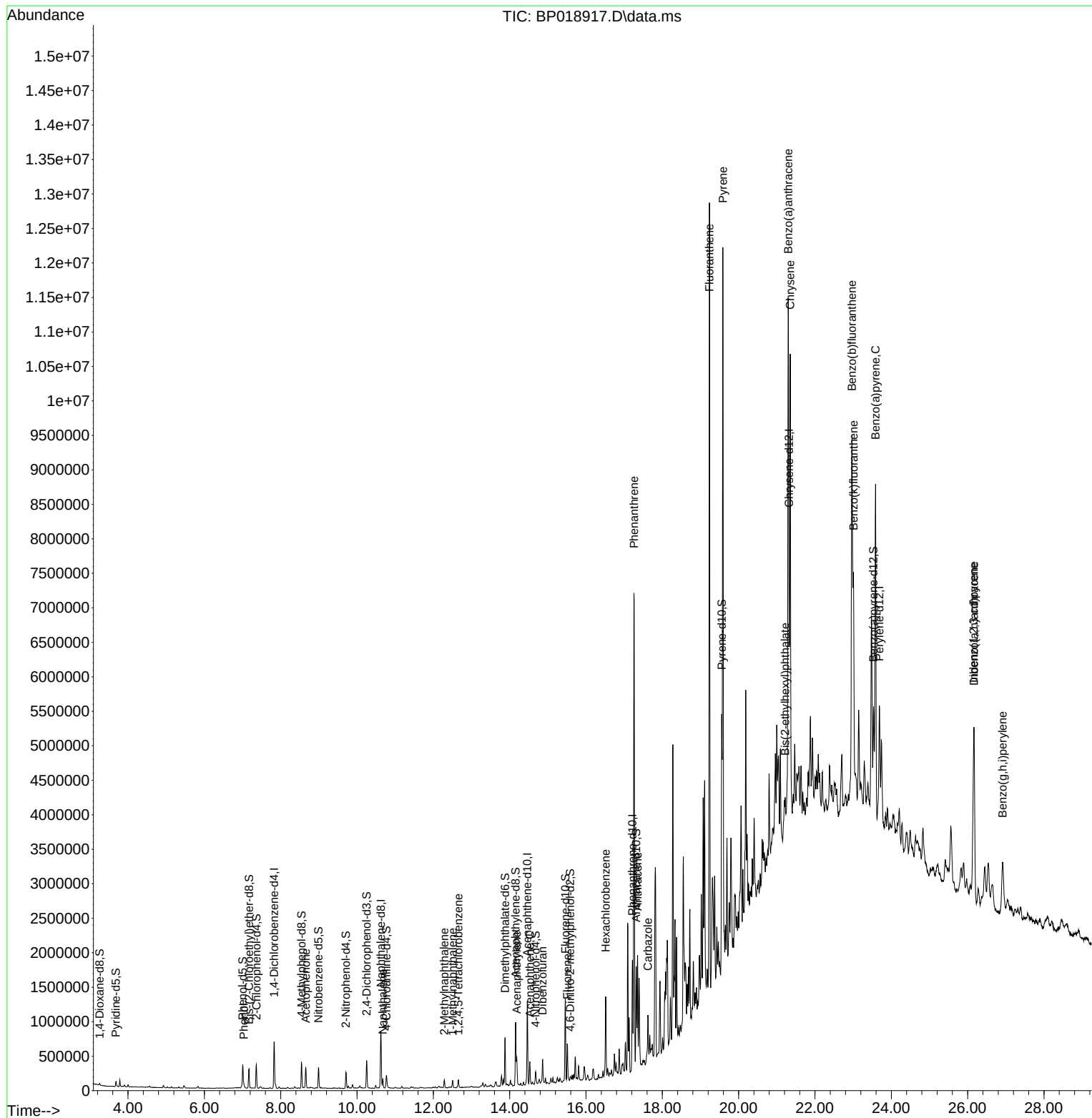
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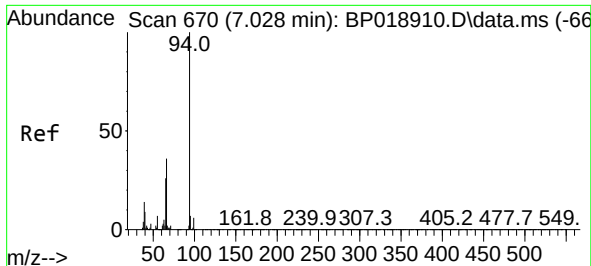
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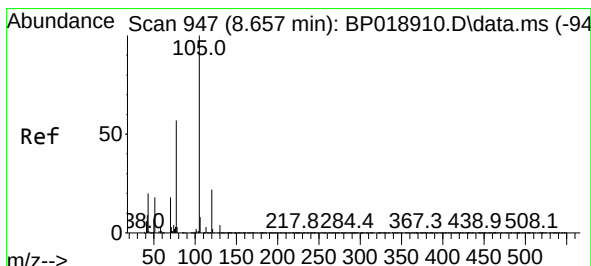
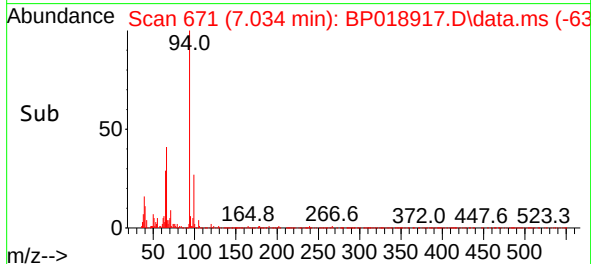
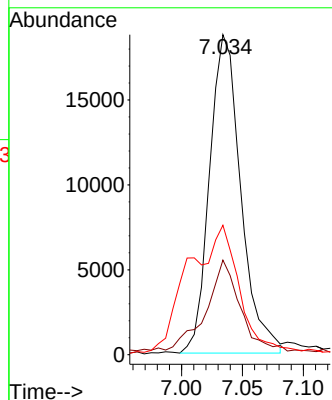
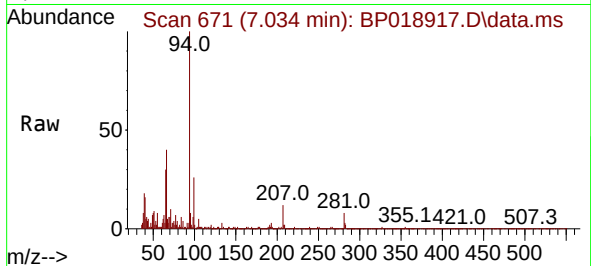
#8
Phenol
Concen: 1.772 ng/ul
RT: 7.034 min Scan# 671
Delta R.T. 0.006 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

Instrument :
BNA_P
ClientSampleId :
BGRG0

Tgt Ion: 94 Resp: 33548
Ion Ratio Lower Upper
94 100
65 29.6 21.0 31.6
66 40.5 28.6 43.0

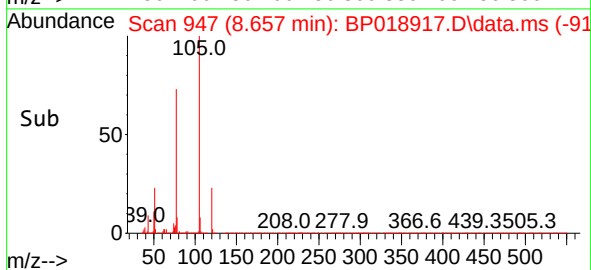
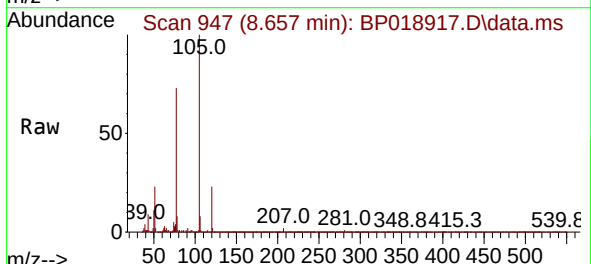
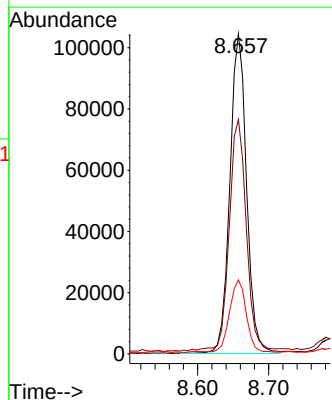
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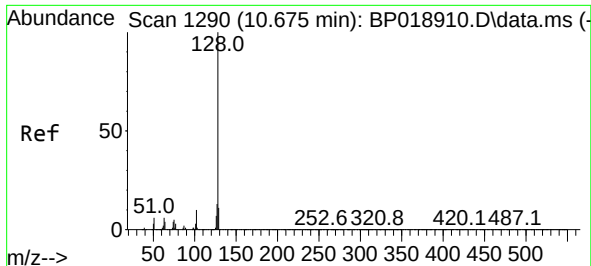
Reviewed By :Yogesh Patel 12/19/2023
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#16
Acetophenone
Concen: 7.324 ng/ul
RT: 8.657 min Scan# 947
Delta R.T. -0.000 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

Tgt Ion:105 Resp: 170548
Ion Ratio Lower Upper
105 100
77 73.3 59.4 89.0
51 23.1 19.4 29.0





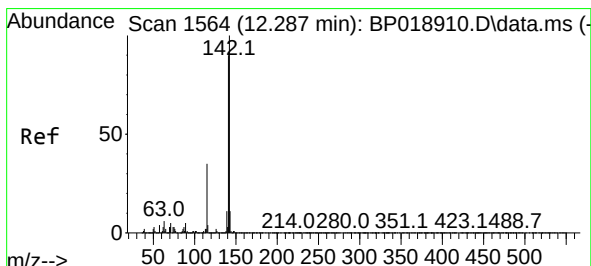
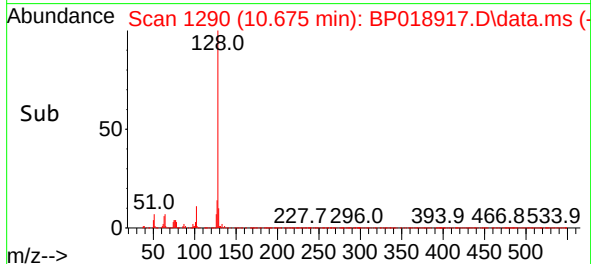
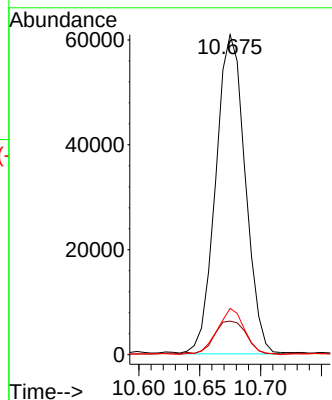
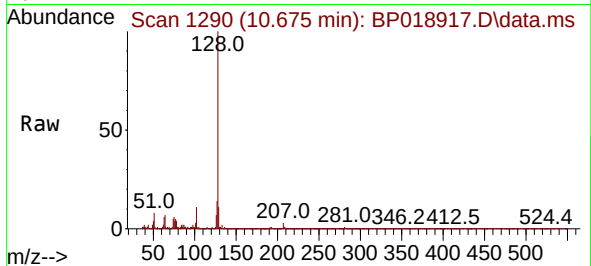
#30
Naphthalene
Concen: 2.458 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

Instrument :
BNA_P
ClientSampleId :
BGRG0

Tgt Ion:128 Resp: 102640
Ion Ratio Lower Upper
128 100
129 10.5 8.9 13.3
127 14.4 10.5 15.7

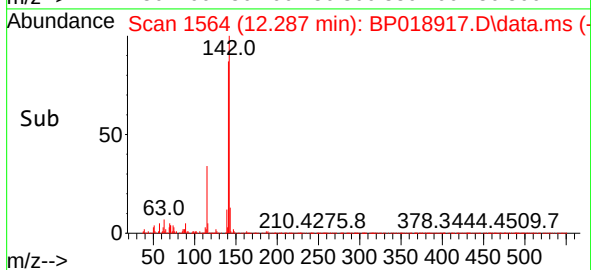
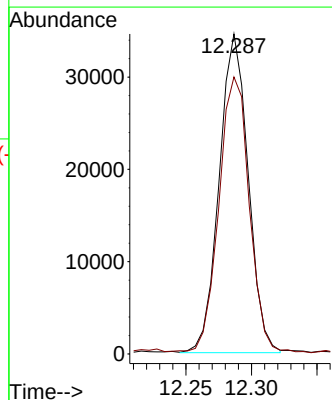
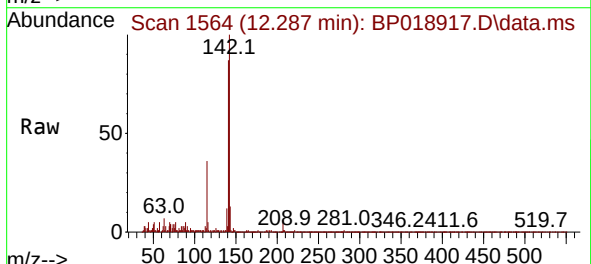
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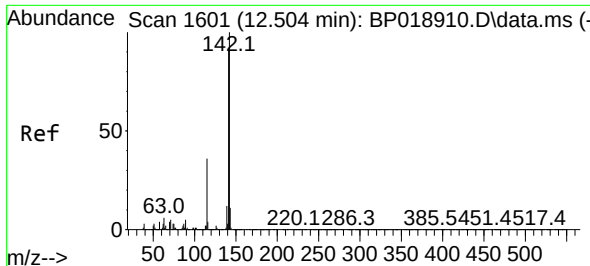
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#36
2-Methylnaphthalene
Concen: 1.793 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

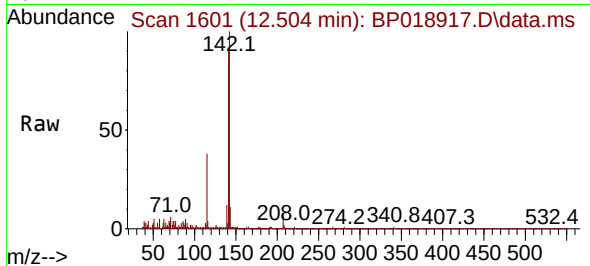
Tgt Ion:142 Resp: 53038
Ion Ratio Lower Upper
142 100
141 86.5 71.4 107.0





#37
1-Methylnaphthalene
Concen: 1.703 ng/ul
RT: 12.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

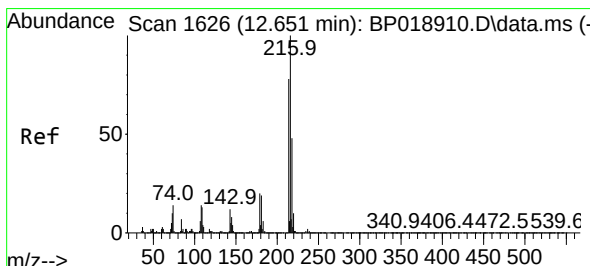
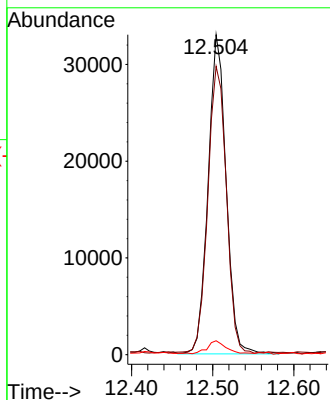
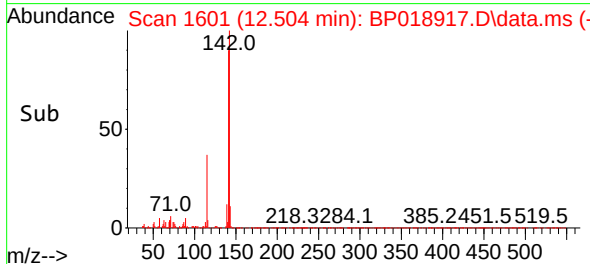
Instrument :
BNA_P
ClientSampleId :
BGRG0



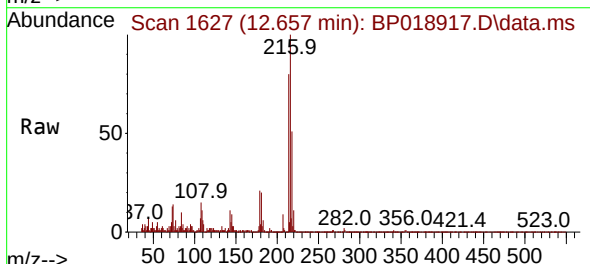
Tgt Ion:142 Resp: 50884
Ion Ratio Lower Upper
142 100
141 90.1 73.5 110.3
116 4.4 2.8 4.2

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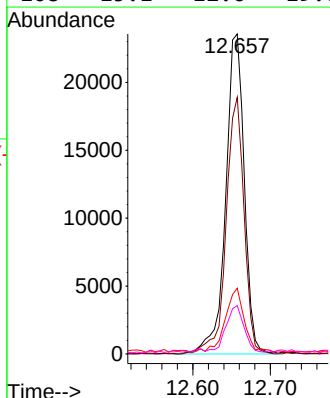
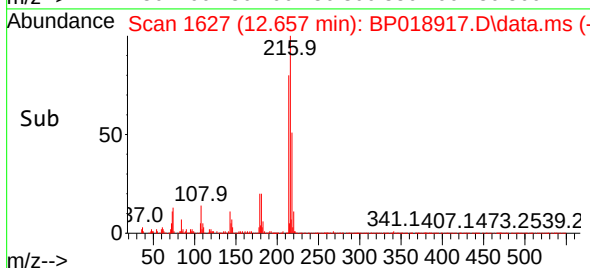
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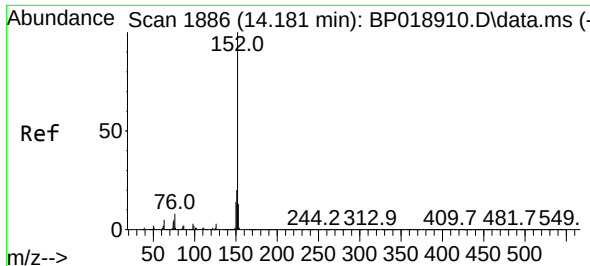


#39
1,2,4,5-Tetrachlorobenzene
Concen: 2.606 ng/ul
RT: 12.657 min Scan# 1627
Delta R.T. -0.000 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00



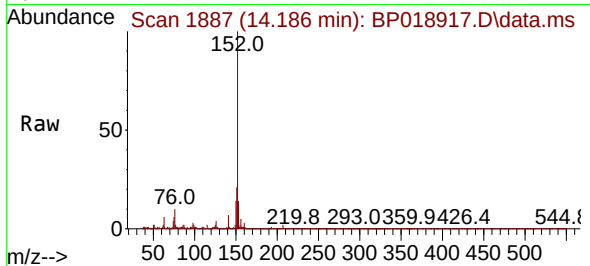
Tgt Ion:216 Resp: 39431
Ion Ratio Lower Upper
216 100
214 80.2 63.9 95.9
179 20.6 16.3 24.5
108 15.1 12.6 19.0





#50
Acenaphthylene
Concen: 6.004 ng/u1
RT: 14.186 min Scan# 1886
Delta R.T. -0.000 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

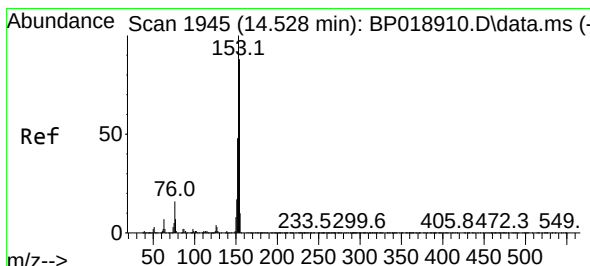
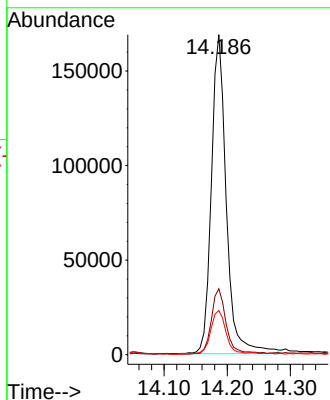
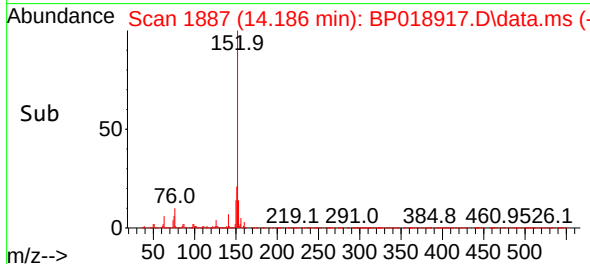
Instrument :
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ClientSampleId :
BGRG0



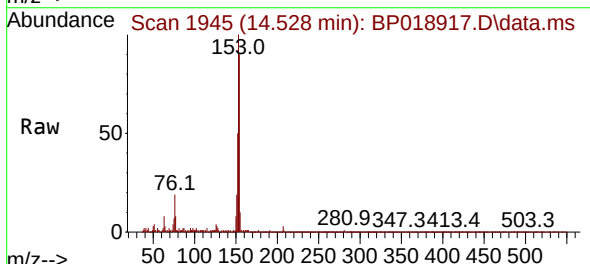
Tgt Ion:152 Resp: 276604
Ion Ratio Lower Upper
152 100
151 20.6 15.9 23.9
153 13.8 10.6 16.0

Manual Integrations
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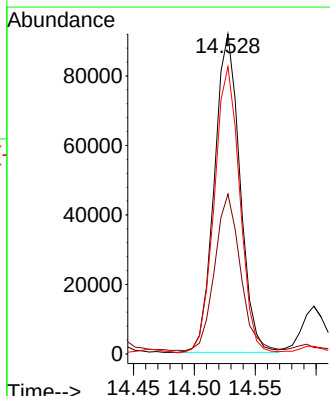
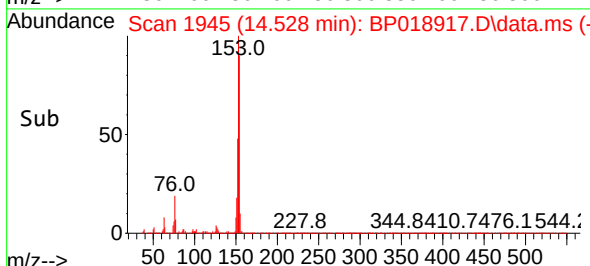
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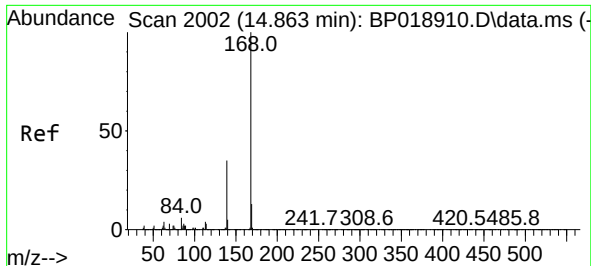


#52
Acenaphthene
Concen: 4.398 ng/u1
RT: 14.528 min Scan# 1945
Delta R.T. -0.000 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00



Tgt Ion:153 Resp: 133983
Ion Ratio Lower Upper
153 100
152 49.9 38.1 57.1
154 89.8 71.7 107.5





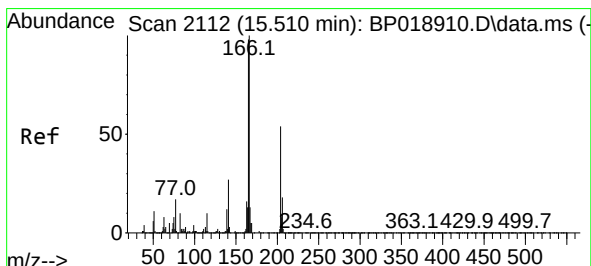
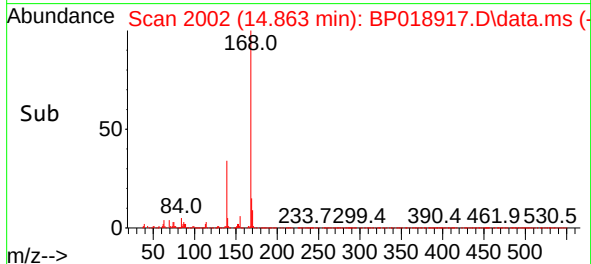
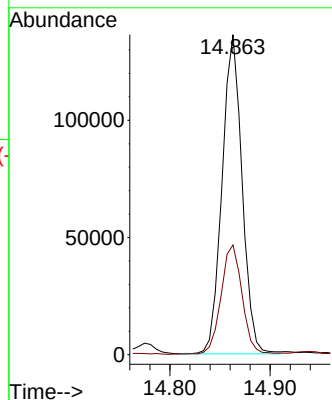
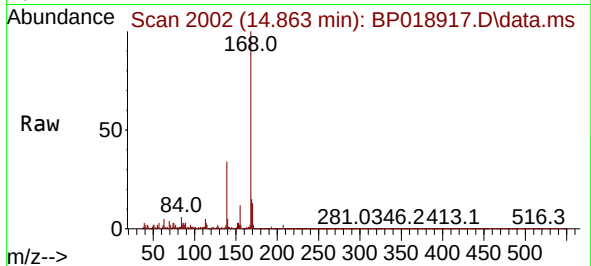
#56
Dibenzenofuran
Concen: 4.444 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

Instrument :
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Tgt Ion:168 Resp: 18817
Ion Ratio Lower Upper
168 100
139 34.3 29.1 43.7

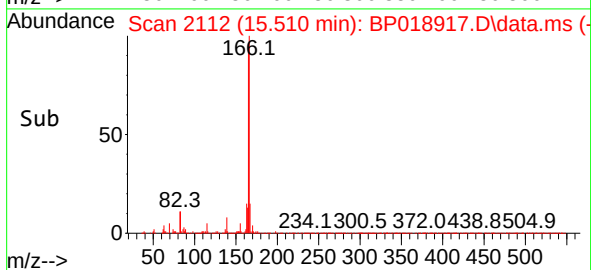
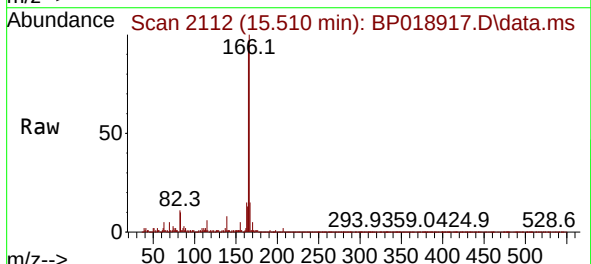
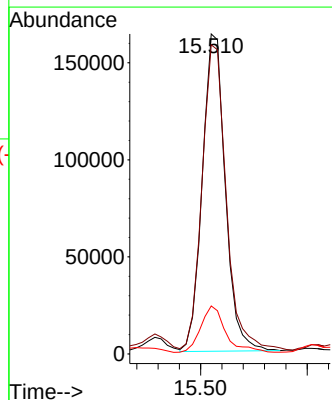
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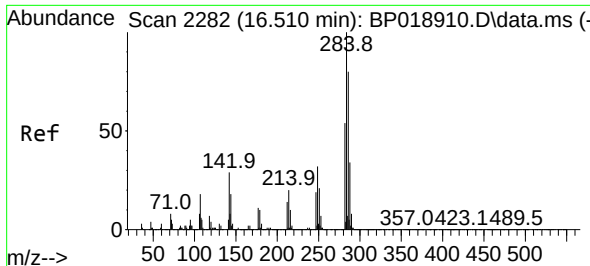
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#61
Fluorene
Concen: 7.327 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

Tgt Ion:166 Resp: 245482
Ion Ratio Lower Upper
166 100
165 96.6 78.0 117.0
167 15.0 10.8 16.2





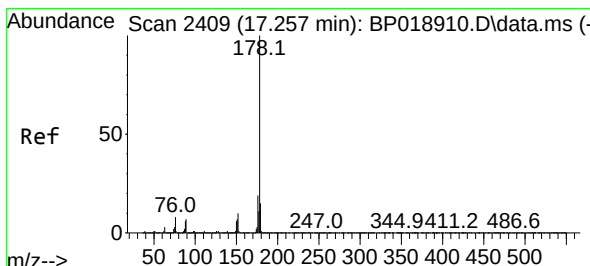
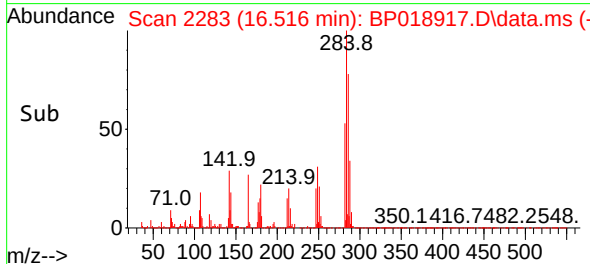
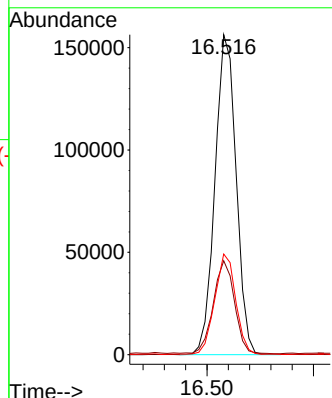
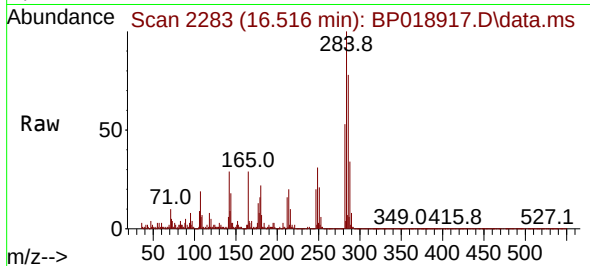
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Hexachlorobenzene
Concen: 15.315 ng/ul
RT: 16.516 min Scan# 215270
Delta R.T. -0.000 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

Instrument :
BNA_P
ClientSampleId :
BGRG0

Tgt Ion:284 Resp: 215270
Ion Ratio Lower Upper
284 100
142 29.3 25.8 38.6
249 31.5 24.9 37.3

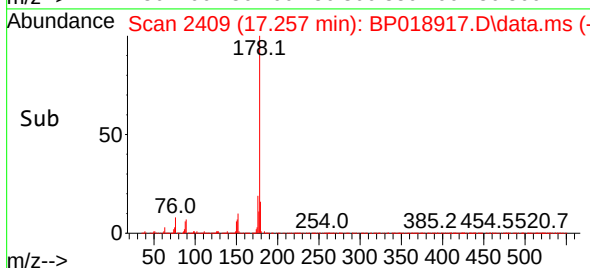
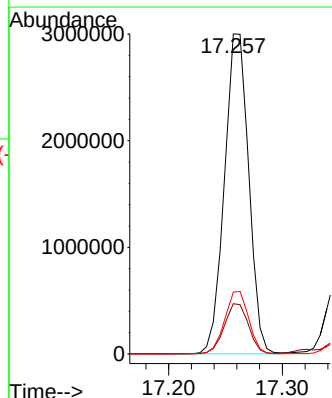
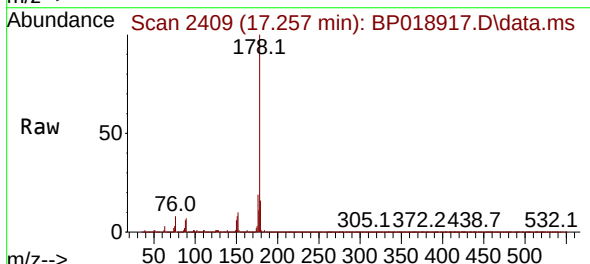
Manual Integrations
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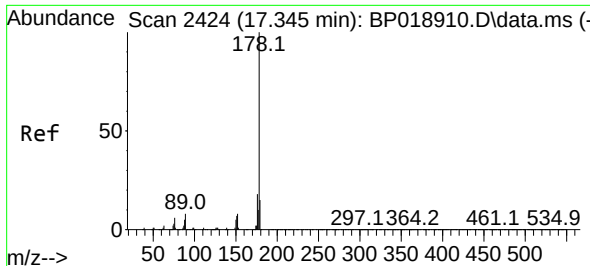
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#72
Phenanthrene
Concen: 73.955 ng/ul
RT: 17.257 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

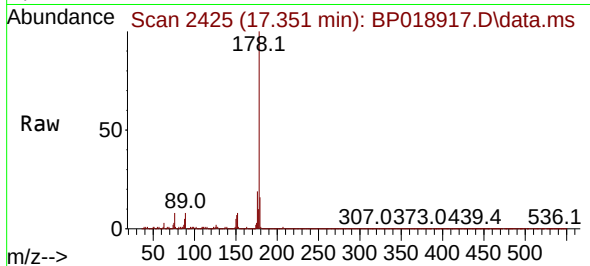
Tgt Ion:178 Resp: 4454322
Ion Ratio Lower Upper
178 100
179 15.7 12.3 18.5
176 19.3 15.4 23.2





#74
 Anthracene
 Concen: 17.975 ng/ul
 RT: 17.351 min Scan# 2424
 Delta R.T. 0.006 min
 Lab File: BP018917.D
 Acq: 18 Dec 2023 21:00

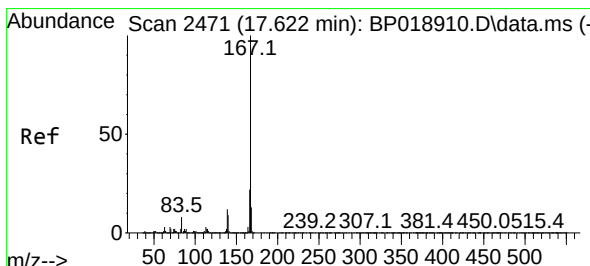
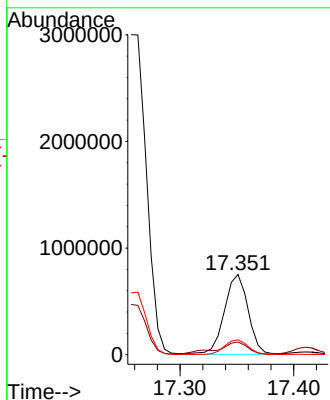
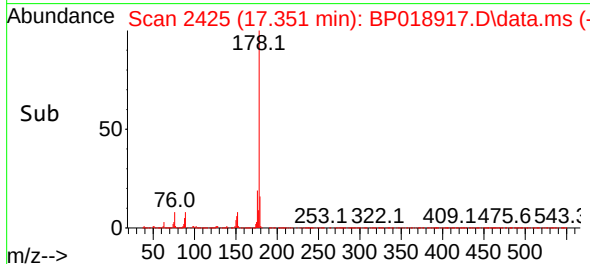
Instrument :
 BNA_P
 Client Sample Id :
 BGRG0



Tgt Ion:178 Resp: 1085200
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.5 18.7
 176 18.6 15.0 22.6

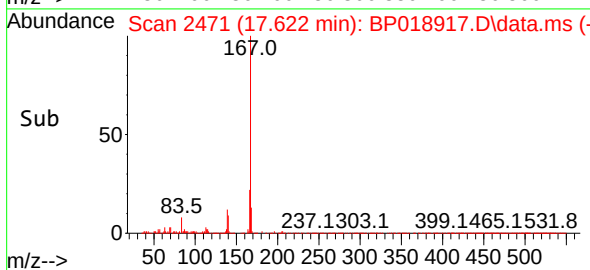
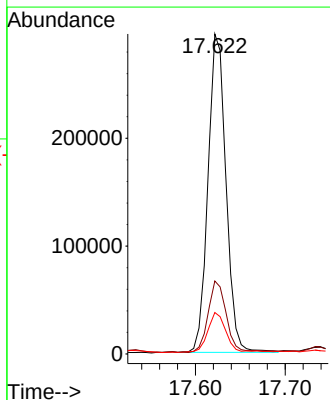
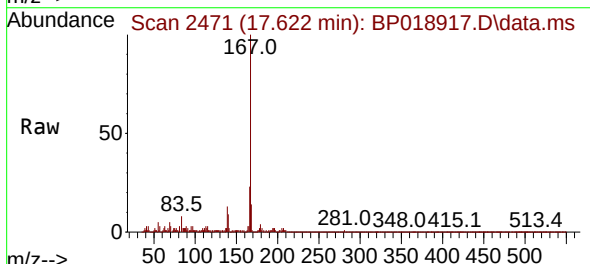
Manual Integrations
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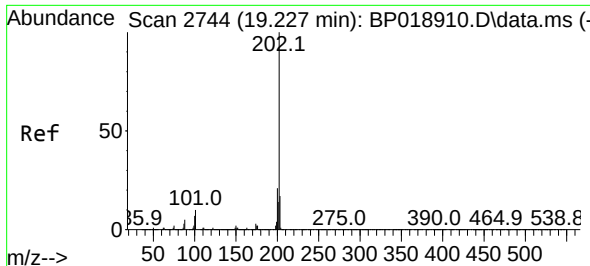
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023



#77
 Carbazole
 Concen: 8.558 ng/ul
 RT: 17.622 min Scan# 2471
 Delta R.T. -0.000 min
 Lab File: BP018917.D
 Acq: 18 Dec 2023 21:00

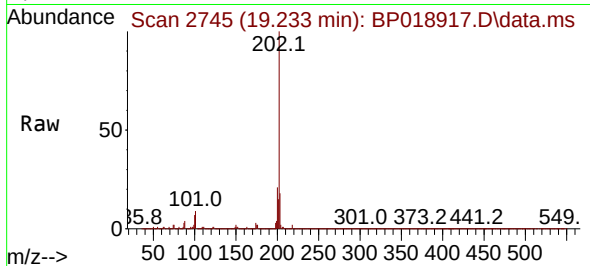
Tgt Ion:167 Resp: 411775
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.1 25.7
 139 12.9 10.2 15.4





#80
Fluoranthene
Concen: 78.823 ng/ul m
RT: 19.233 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

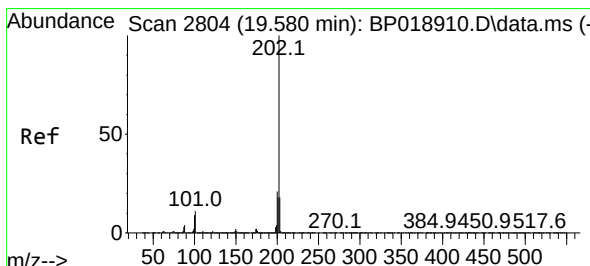
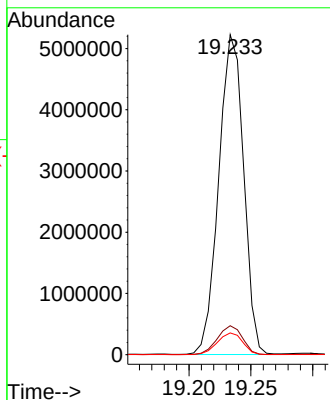
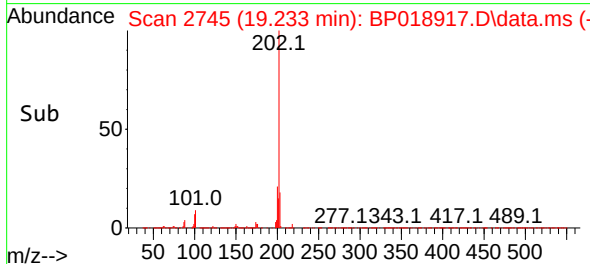
Instrument :
BNA_P
ClientSampleId :
BGRG0



Tgt Ion:202 Resp: 730900
Ion Ratio Lower Upper
202 100
101 9.0 9.1 13.7
100 6.8 7.1 10.7

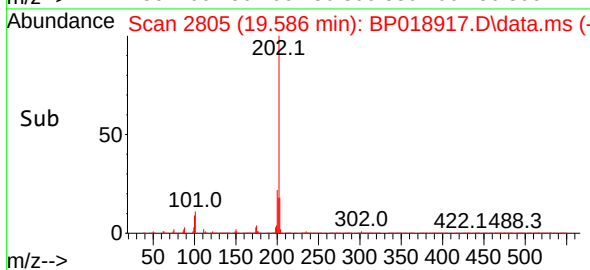
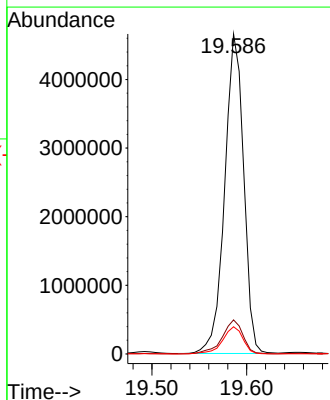
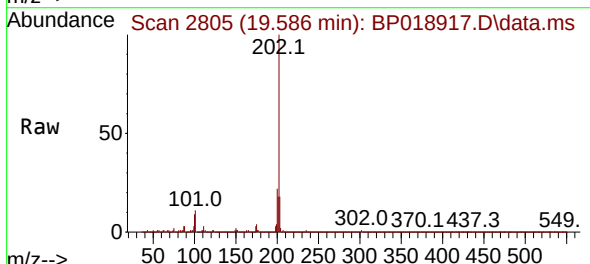
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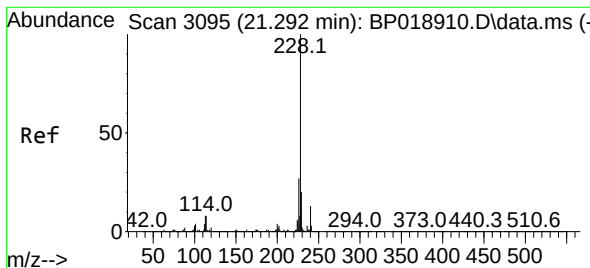
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#82
Pyrene
Concen: 69.326 ng/ul
RT: 19.586 min Scan# 2805
Delta R.T. 0.006 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

Tgt Ion:202 Resp: 6485060
Ion Ratio Lower Upper
202 100
101 10.6 11.0 16.4#
100 8.5 9.1 13.7#





#85

Benzo(a)anthracene

Concen: 46.044 ng/ul

RT: 21.298 min Scan# 3096

Delta R.T. 0.012 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

Instrument :

BNA_P

ClientSampleId :

BGRG0

Tgt Ion:228 Resp: 376636

Ion Ratio Lower Upper

228 100

229 21.3 15.7 23.5

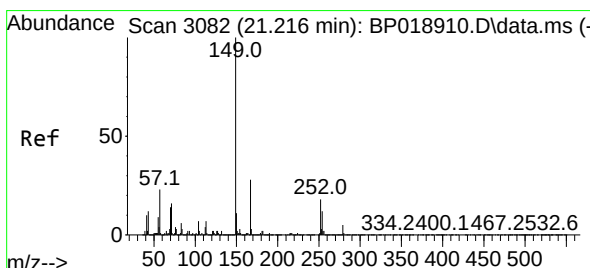
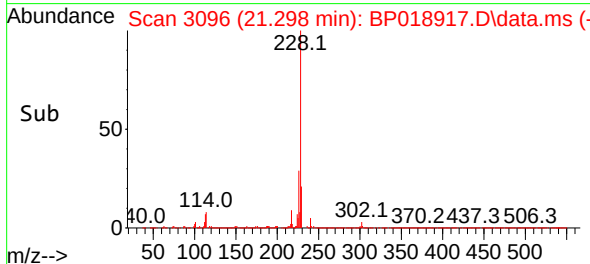
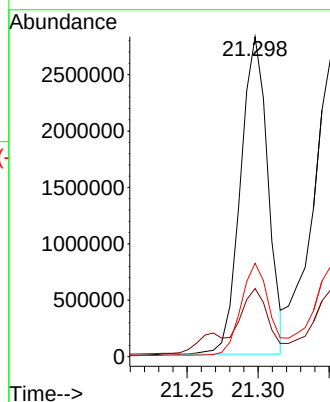
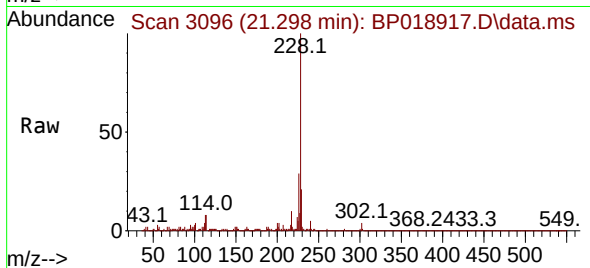
226 29.2 21.9 32.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.068 ng/ul

RT: 21.221 min Scan# 3083

Delta R.T. 0.006 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

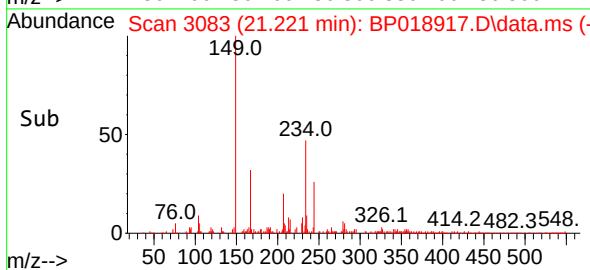
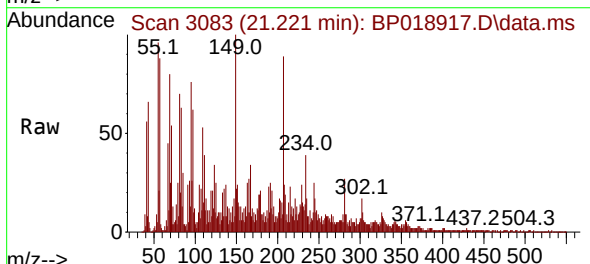
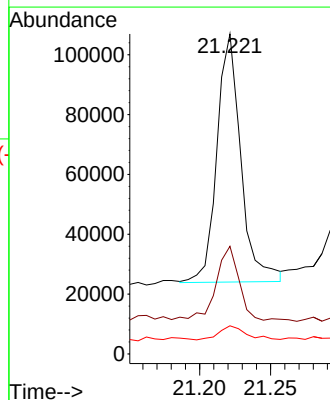
Tgt Ion:149 Resp: 97349

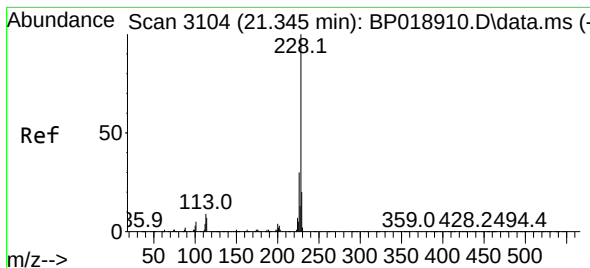
Ion Ratio Lower Upper

149 100

167 33.7 22.2 33.2#

279 8.8 3.3 4.9#





#87

Chrysene

Concen: 50.506 ng/ul

RT: 21.351 min Scan# 3104

Delta R.T. 0.012 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

Instrument :

BNA_P

ClientSampleId :

BGRG0

Tgt Ion:228 Resp: 380445

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

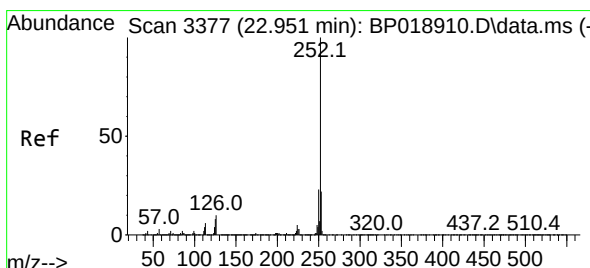
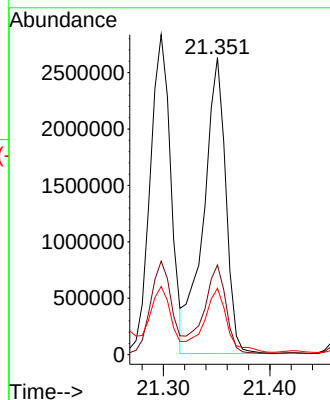
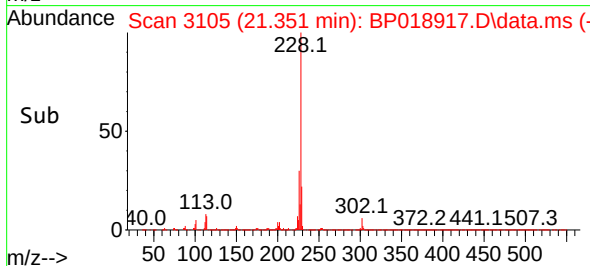
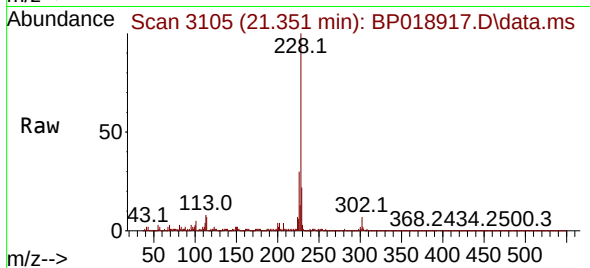
229 22.3 15.6 23.4

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: 55.563 ng/ul

RT: 22.968 min Scan# 3380

Delta R.T. 0.023 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

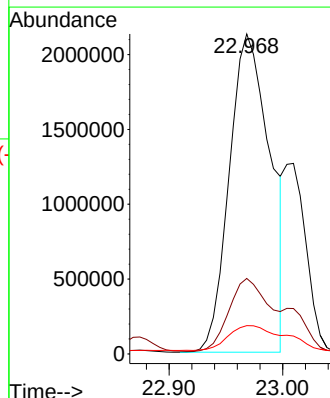
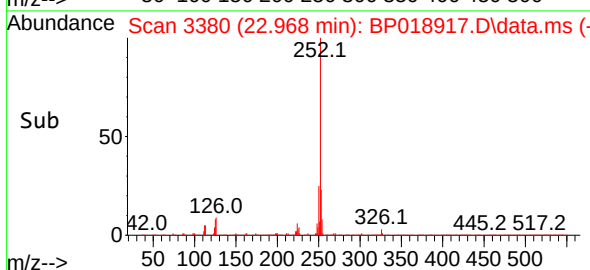
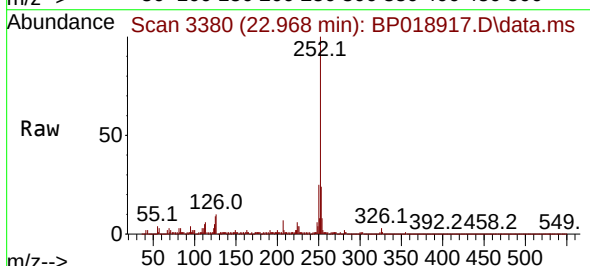
Tgt Ion:252 Resp: 5304150

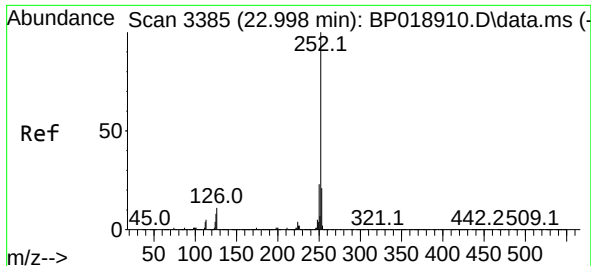
Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

125 8.9 7.8 11.6





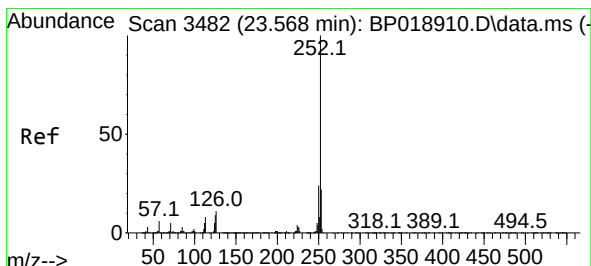
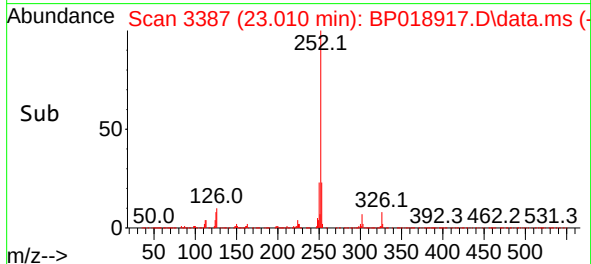
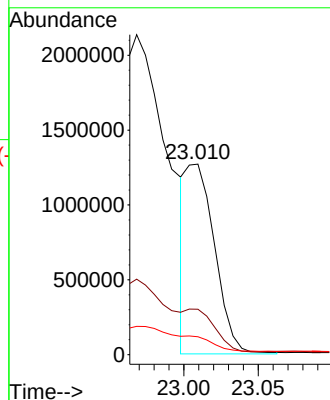
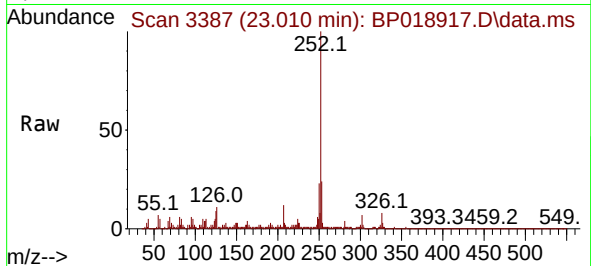
#91
Benzo(k)fluoranthene
Concen: 18.304 ng/ul m
RT: 23.010 min Scan# 3385
Delta R.T. 0.018 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

Instrument :
BNA_P
ClientSampleId :
BGRG0

Tgt Ion:252 Resp: 1690700
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 9.4 8.0 12.0

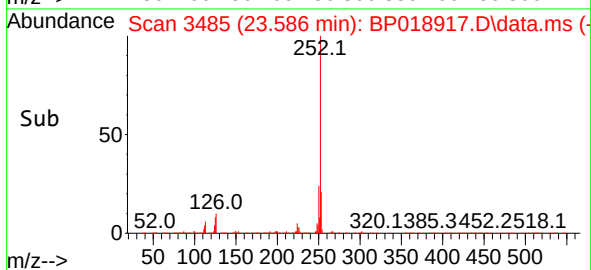
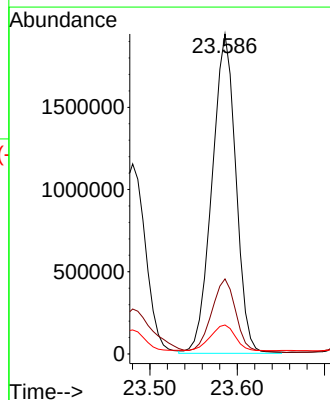
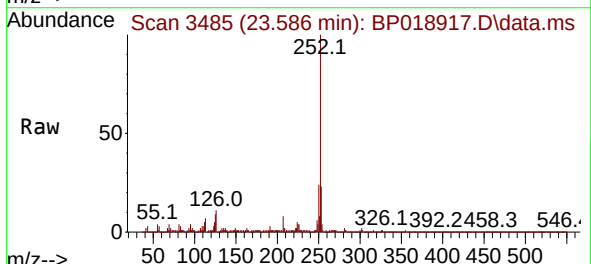
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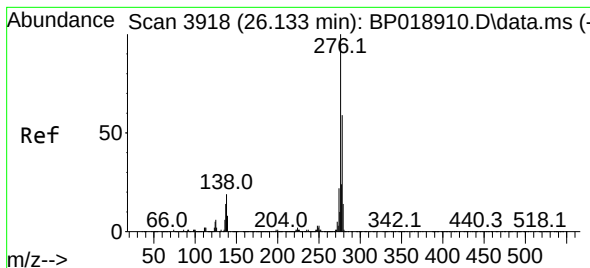
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#93
Benzo(a)pyrene
Concen: 42.386 ng/ul m
RT: 23.586 min Scan# 3485
Delta R.T. 0.023 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

Tgt Ion:252 Resp: 3697166
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.1 9.2 13.8#





#94

Indeno(1,2,3-cd)pyrene

Concen: 26.082 ng/ul

RT: 26.162 min Scan# 3918

Delta R.T. 0.041 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

Instrument :

BNA_P

ClientSampleId :

BGRG0

Tgt Ion:276 Resp: 271823

Ion Ratio Lower Upper

276 100

138 17.5 19.4 29.2

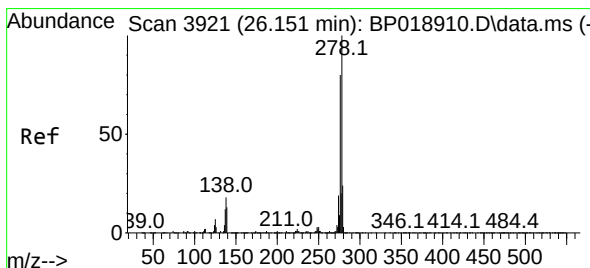
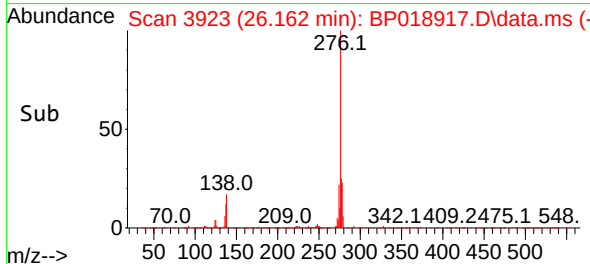
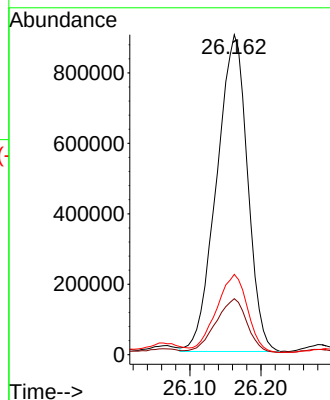
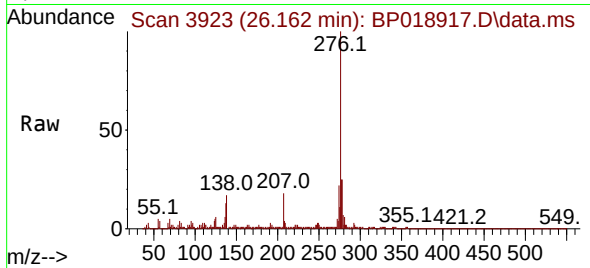
277 25.1 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#95

Dibenzo(a,h)anthracene

Concen: 8.583 ng/ul

RT: 26.168 min Scan# 3924

Delta R.T. 0.029 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

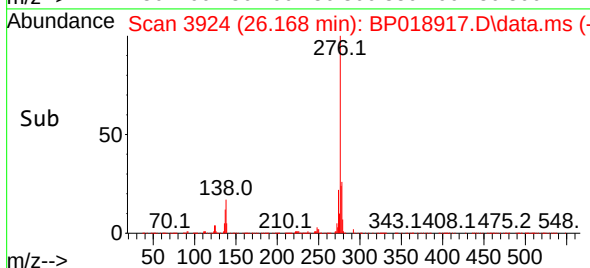
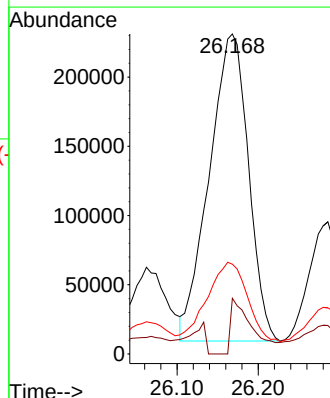
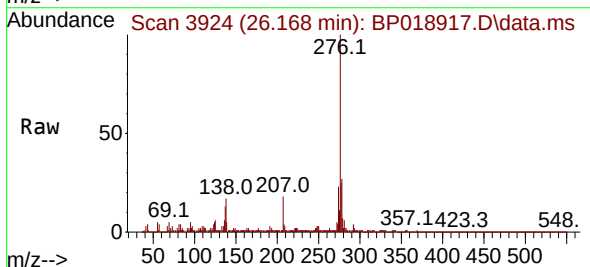
Tgt Ion:278 Resp: 744098

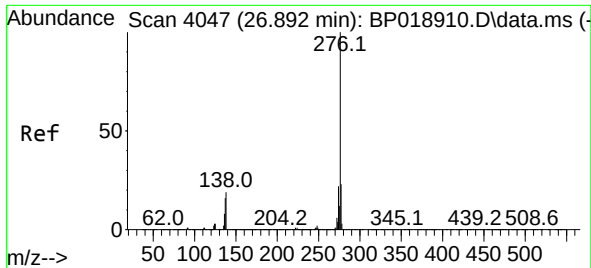
Ion Ratio Lower Upper

278 100

139 17.4 13.0 19.6

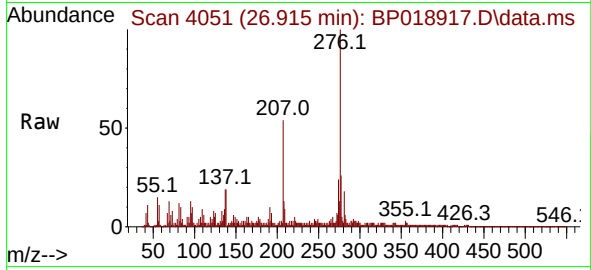
279 28.0 18.7 28.1





#96
Benzo(g,h,i)perylene
Concen: 11.579 ng/ul
RT: 26.915 min Scan# 4051
Delta R.T. 0.041 min
Lab File: BP018917.D
Acq: 18 Dec 2023 21:00

Instrument :
BNA_P
ClientSampleId :
BGRG0



Tgt Ion:276 Resp: 971130
Ion Ratio Lower Upper
276 100
138 18.7 18.1 27.1
277 25.5 19.4 29.0

Manual Integrations
APPROVED

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

