

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018929.D
 Acq On : 19 Dec 2023 03:47
 Operator : MA/JU
 Sample : 05794-07
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q1

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 04:16:57 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	195037	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	684396	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	404748	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	958218	20.000	ng/u1	0.00
79) Chrysene-d12	21.316	240	922483	20.000	ng/u1	# 0.01
88) Perylene-d12	23.692	264	1131097	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	11247	1.965	ng/uL	0.00
4) Pyridine-d5	3.693	84	18651m	1.217	ng/u1	0.02
7) Phenol-d5	7.016	99	233706	11.940	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.169	67	122101	10.525	ng/u1	0.00
11) 2-Chlorophenol-d4	7.369	132	182519	11.951	ng/u1	0.00
15) 4-Methylphenol-d8	8.558	113	148645	9.384	ng/u1	0.01
21) Nitrobenzene-d5	8.993	128	87451	14.357	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	93983	14.882	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	205603	15.922	ng/u1	0.00
31) 4-Chloroaniline-d4	10.775	131	93383	5.533	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	615044	17.026	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	727182	18.281	ng/u1	0.00
54) 4-Nitrophenol-d4	14.693	143	81720	13.782	ng/u1	0.02
60) Fluorene-d10	15.457	176	583050	19.228	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.592	200	19198	3.341	ng/u1	0.01
73) Anthracene-d10	17.316	188	985064	19.555	ng/u1	0.00
81) Pyrene-d10	19.557	212	1228683	17.111	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.539	264	1265189	19.184	ng/u1	0.02
Target Compounds						Qvalue
6) Benzaldehyde	6.981	77	13377	1.324	ng/u1	92
8) Phenol	7.046	94	64101	3.340	ng/u1	98
16) Acetophenone	8.663	105	357621	15.149	ng/u1	98
30) Naphthalene	10.675	128	105262	2.535	ng/u1	98
36) 2-Methylnaphthalene	12.293	142	57939	1.970	ng/u1	98
37) 1-Methylnaphthalene	12.510	142	65125	2.192	ng/u1	99
50) Acenaphthylene	14.187	152	315181	7.047	ng/u1	99
52) Acenaphthene	14.528	153	187419	6.338	ng/u1	98
56) Dibenzofuran	14.863	168	168241	4.094	ng/u1	97
61) Fluorene	15.516	166	249823	7.682	ng/u1	96
72) Phenanthrene	17.263	178	4305797	74.402	ng/u1	100
74) Anthracene	17.351	178	1154621	19.904	ng/u1	99
77) Carbazole	17.628	167	370146	8.006	ng/u1	99
80) Fluoranthene	19.239	202	6910520m	81.415	ng/u1	
82) Pyrene	19.592	202	6514027	76.073	ng/u1#	91
85) Benzo(a)anthracene	21.298	228	3766749	50.306	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.222	149	50905	1.181	ng/u1#	94
87) Chrysene	21.351	228	3476293	50.415	ng/u1	96
90) Benzo(b)fluoranthene	22.974	252	5106997	61.237	ng/u1	97
91) Benzo(k)fluoranthene	23.010	252	1470427m	18.223	ng/u1	
93) Benzo(a)pyrene	23.592	252	3638642m	47.750	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.174	276	2723093	29.909	ng/u1#	92
95) Dibenzo(a,h)anthracene	26.174	278	706902	9.334	ng/u1#	77
96) Benzo(g,h,i)perylene	26.933	276	1665014	22.724	ng/u1#	95

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

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

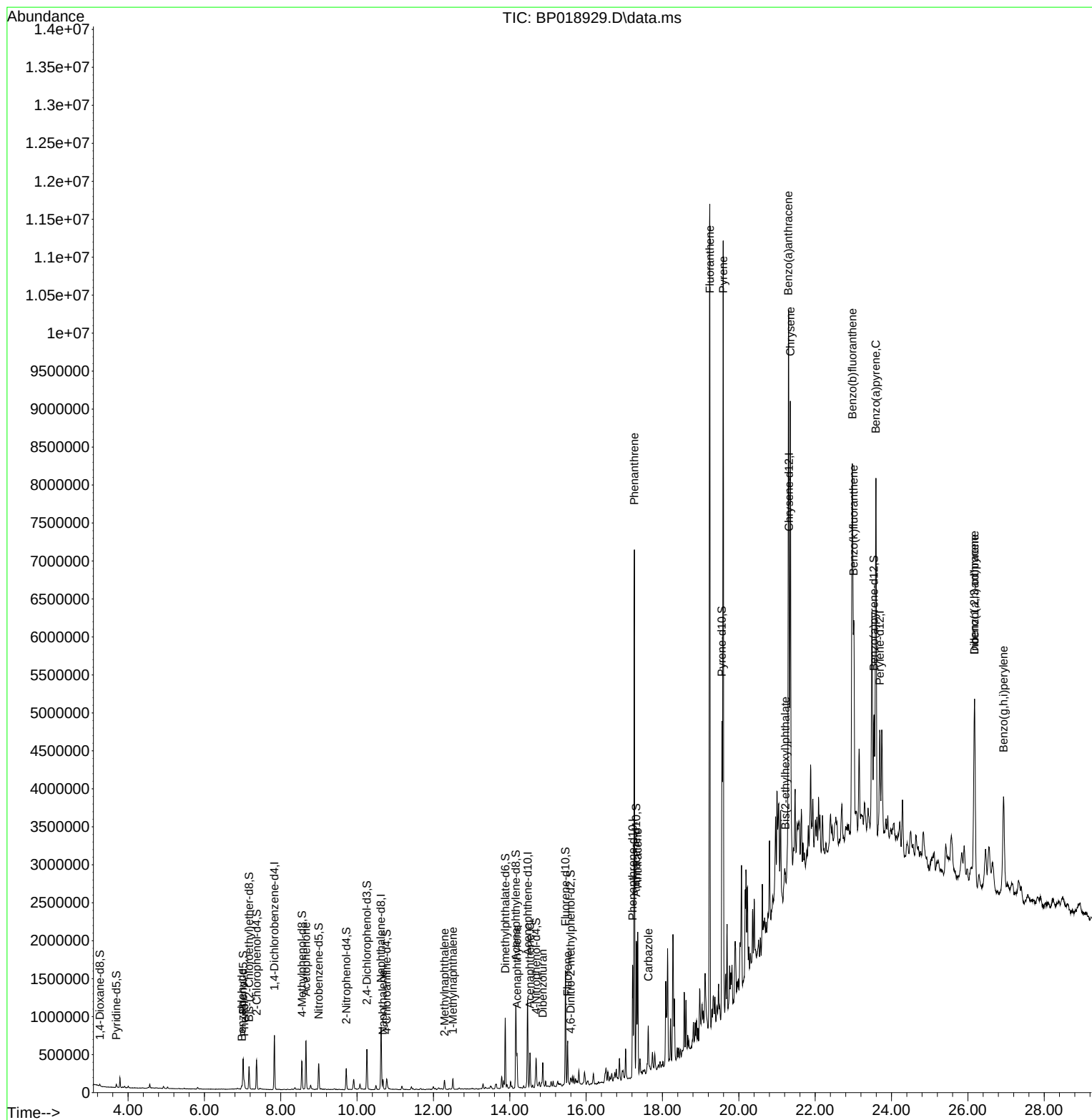
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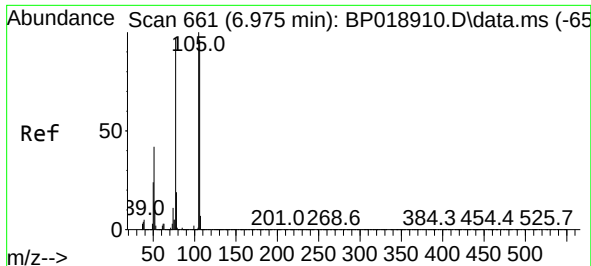
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#6

Benzaldehyde

Concen: 1.324 ng/ul

RT: 6.981 min Scan# 60

Delta R.T. 0.006 min

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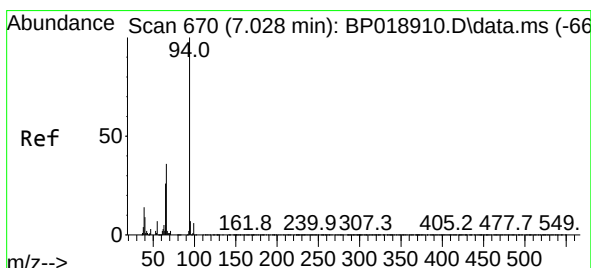
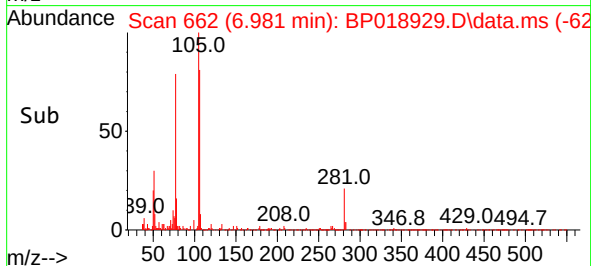
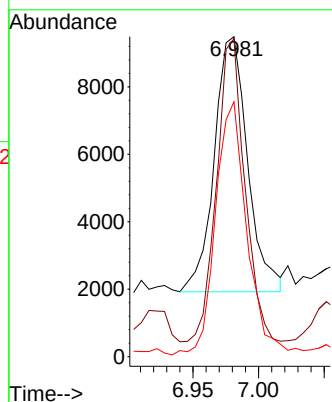
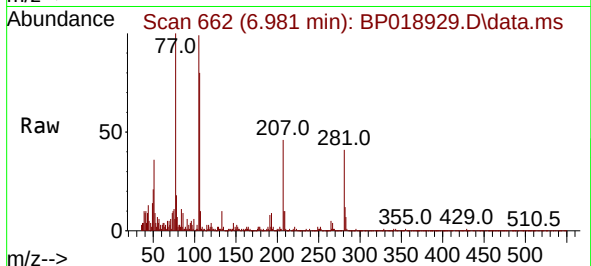
Tgt Ion: 77	Resp: 1337
Ion Ratio	Lower Upper
77 100	
105 99.4	77.9 116.9
106 79.6	74.6 111.8

Manual Integrations

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#8

Phenol

Concen: 3.340 ng/ul

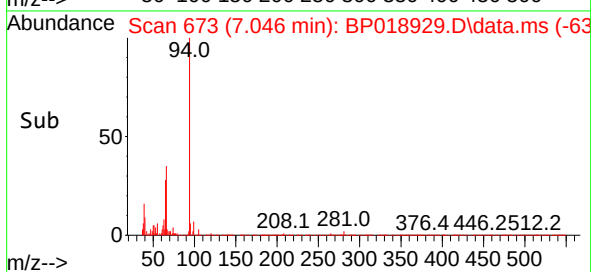
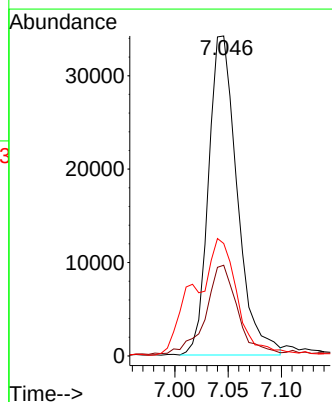
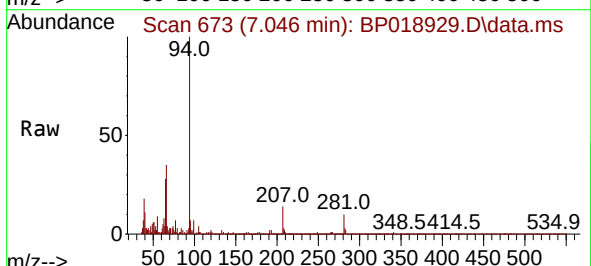
RT: 7.046 min Scan# 673

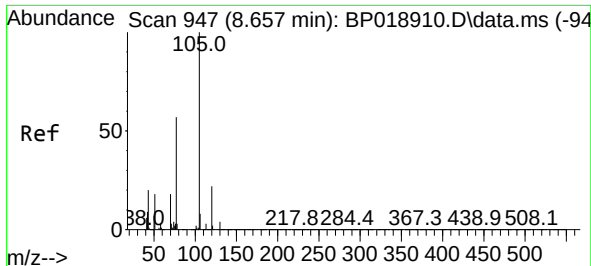
Delta R.T. 0.018 min

Lab File: BP018929.D

Acq: 19 Dec 2023 03:47

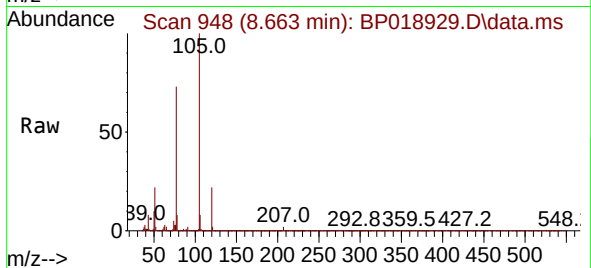
Tgt Ion: 94	Resp: 64101
Ion Ratio	Lower Upper
94 100	
65 28.4	21.0 31.6
66 35.2	28.6 43.0





#16
Acetophenone
Concen: 15.149 ng/ul
RT: 8.663 min Scan# 947
Delta R.T. 0.006 min
Lab File: BP018929.D
Acq: 19 Dec 2023 03:47

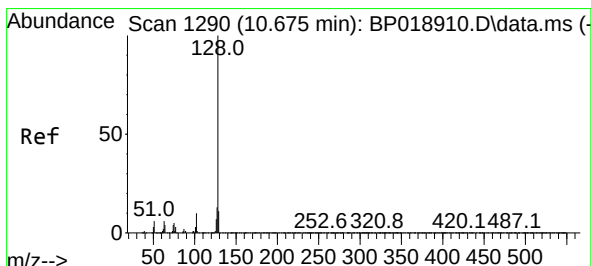
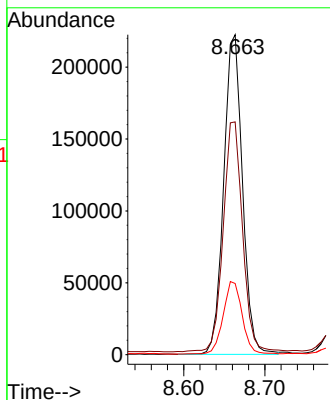
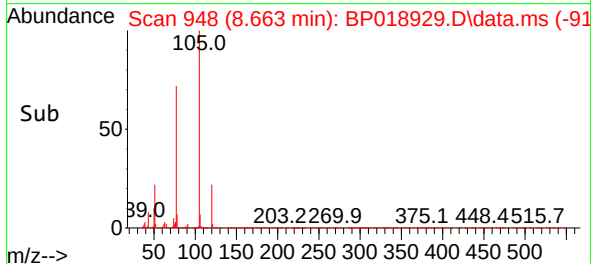
Instrument :
BNA_P
ClientSampleId :
BH3Q1



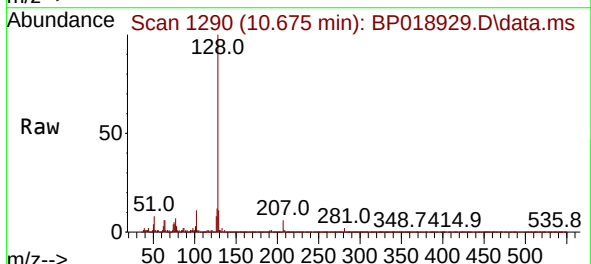
Tgt Ion:105 Resp: 35762
Ion Ratio Lower Upper
105 100
77 72.8 59.4 89.0
51 22.3 19.4 29.0

Manual Integrations
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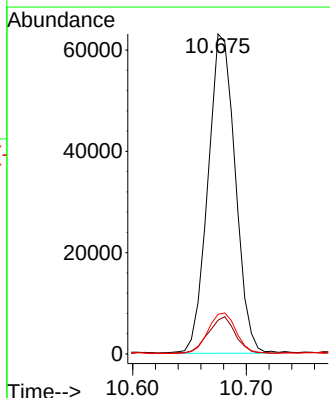
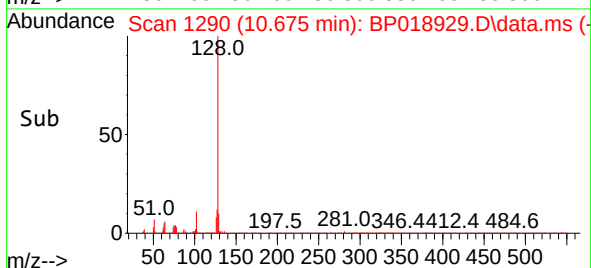
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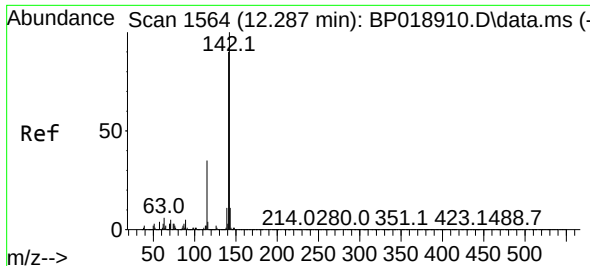


#30
Naphthalene
Concen: 2.535 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BP018929.D
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Tgt Ion:128 Resp: 105262
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 12.4 10.5 15.7





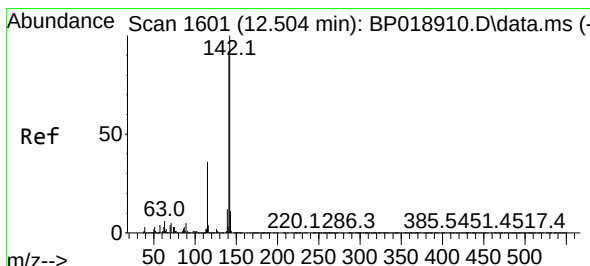
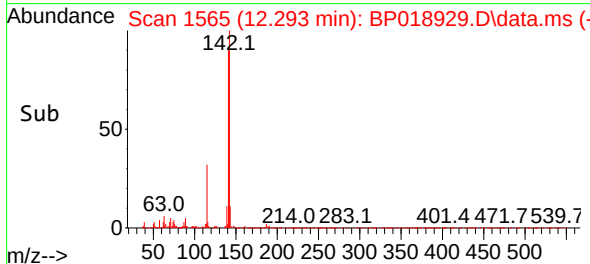
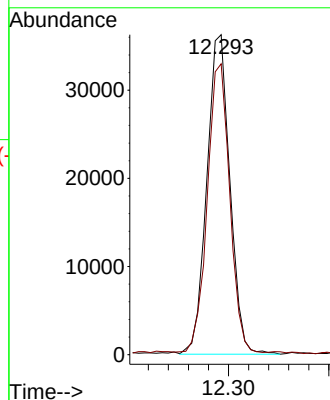
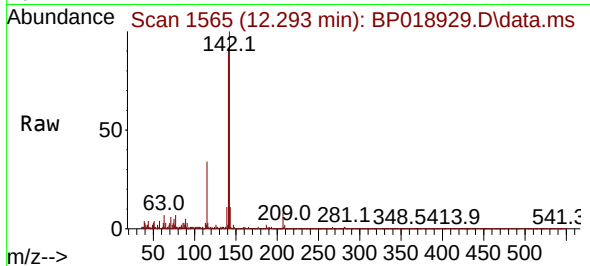
#36
2-Methylnaphthalene
Concen: 1.970 ng/ul
RT: 12.293 min Scan# 1565
Delta R.T. 0.006 min
Lab File: BP018929.D
Acq: 19 Dec 2023 03:47

Instrument :
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ClientSampleId :
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Tgt Ion:142 Resp: 57939
Ion Ratio Lower Upper
142 100
141 90.9 71.4 107.0

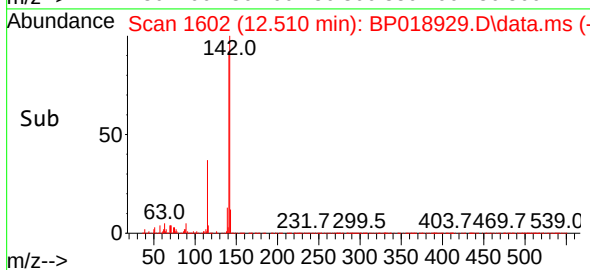
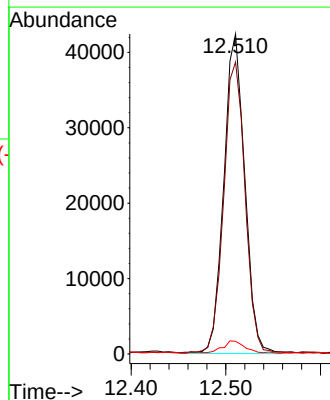
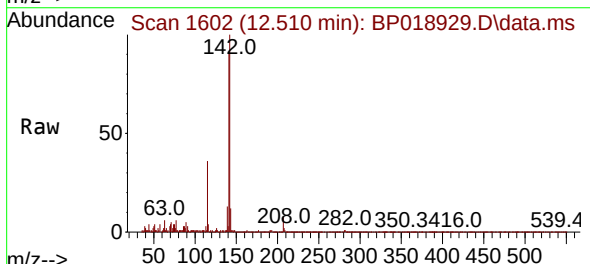
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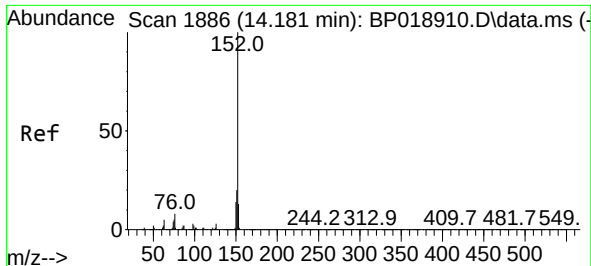
Reviewed By :Yogesh Patel 12/19/2023
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#37
1-Methylnaphthalene
Concen: 2.192 ng/ul
RT: 12.510 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BP018929.D
Acq: 19 Dec 2023 03:47

Tgt Ion:142 Resp: 65125
Ion Ratio Lower Upper
142 100
141 91.2 73.5 110.3
116 4.0 2.8 4.2





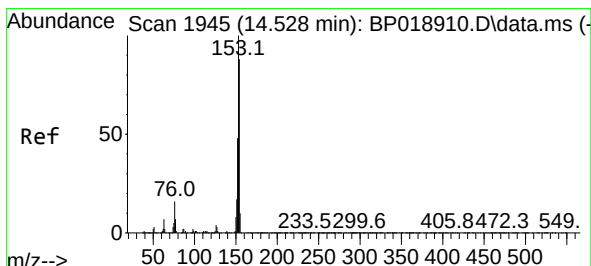
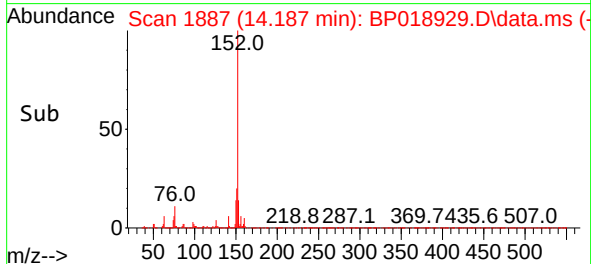
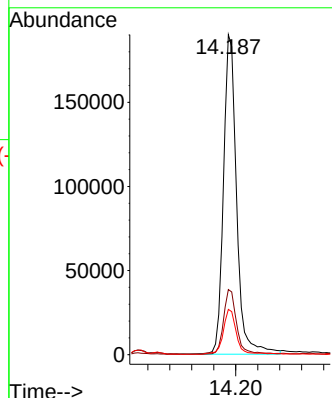
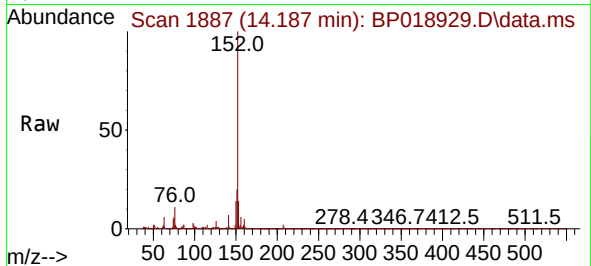
#50
Acenaphthylene
Concen: 7.047 ng/u1
RT: 14.187 min Scan# 1886
Delta R.T. 0.000 min
Lab File: BP018929.D
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Tgt Ion:152 Resp: 31518
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 14.2 10.6 16.0

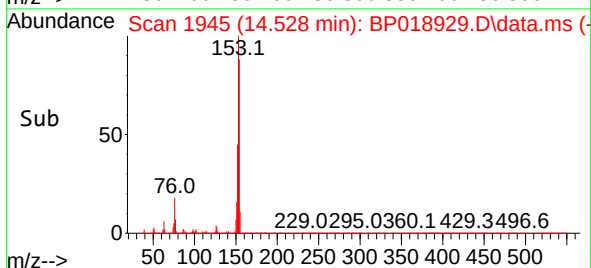
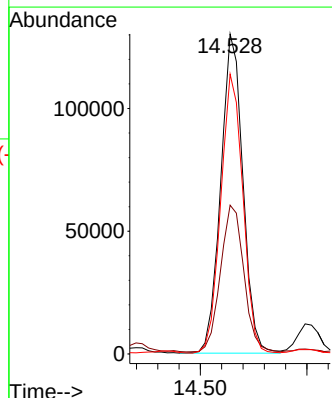
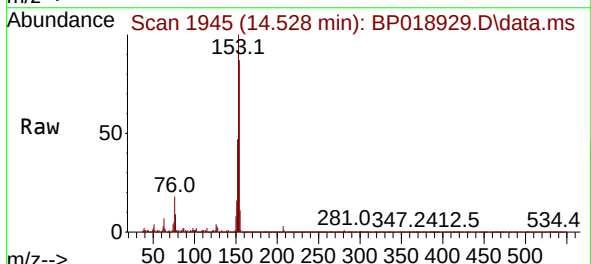
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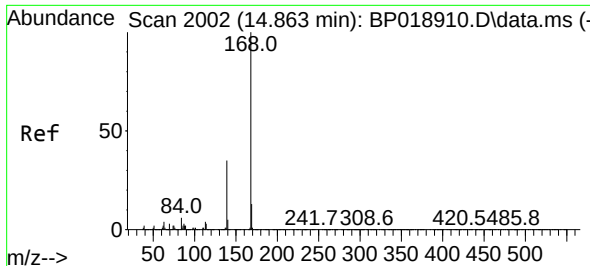
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#52
Acenaphthene
Concen: 6.338 ng/u1
RT: 14.528 min Scan# 1945
Delta R.T. 0.000 min
Lab File: BP018929.D
Acq: 19 Dec 2023 03:47

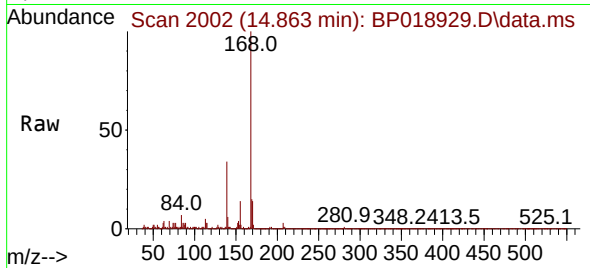
Tgt Ion:153 Resp: 187419
Ion Ratio Lower Upper
153 100
152 46.5 38.1 57.1
154 87.5 71.7 107.5





#56
Dibenzenofuran
Concen: 4.094 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BP018929.D
Acq: 19 Dec 2023 03:47

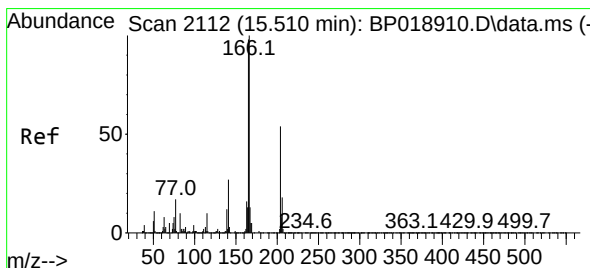
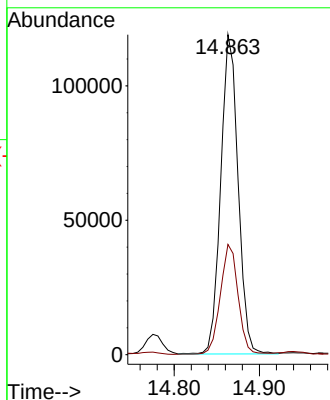
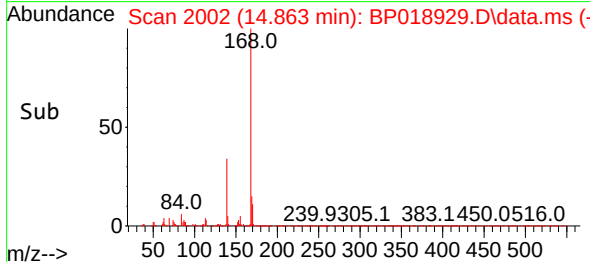
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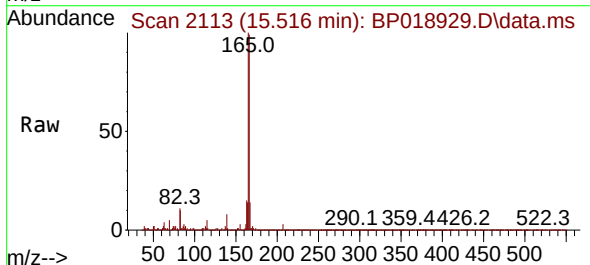
Tgt Ion:168 Resp: 16824
Ion Ratio Lower Upper
168 100
139 34.5 29.1 43.7

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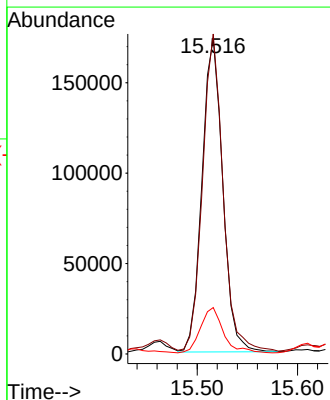
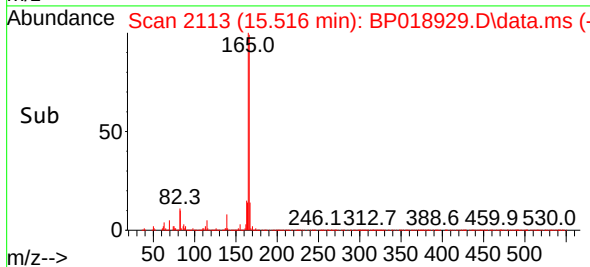
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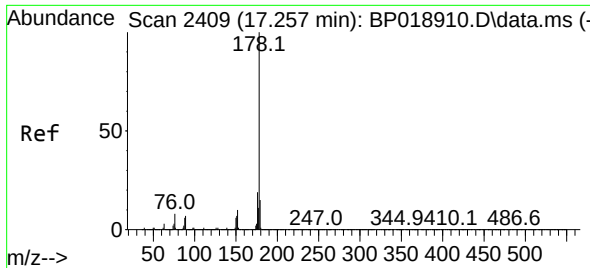


#61
Fluorene
Concen: 7.682 ng/ul
RT: 15.516 min Scan# 2113
Delta R.T. 0.000 min
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Tgt Ion:166 Resp: 249823
Ion Ratio Lower Upper
166 100
165 101.4 78.0 117.0
167 14.7 10.8 16.2





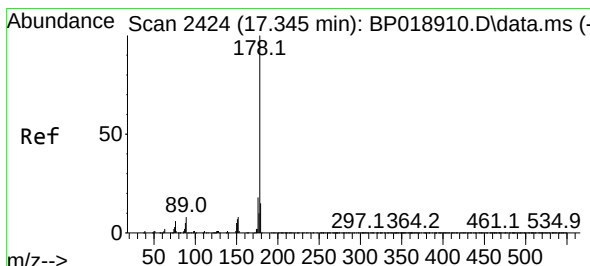
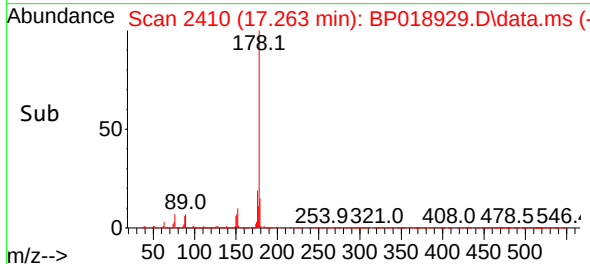
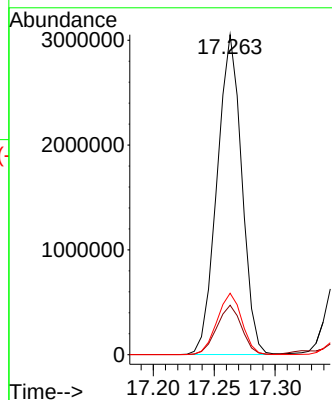
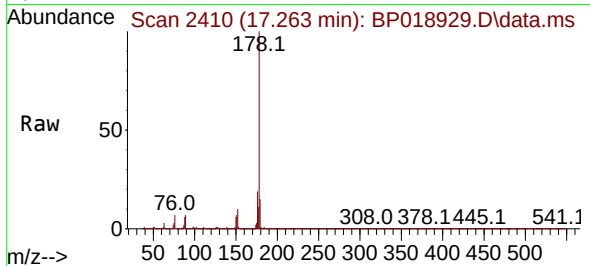
#72
Phenanthrene
Concen: 74.402 ng/u1
RT: 17.263 min Scan# 2409
Delta R.T. 0.006 min
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Tgt Ion:178 Resp: 430579
Ion Ratio Lower Upper
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179 15.5 12.3 18.5
176 19.2 15.4 23.2

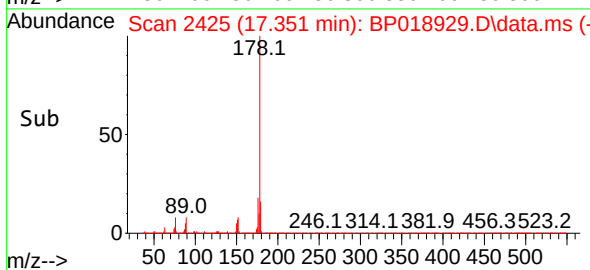
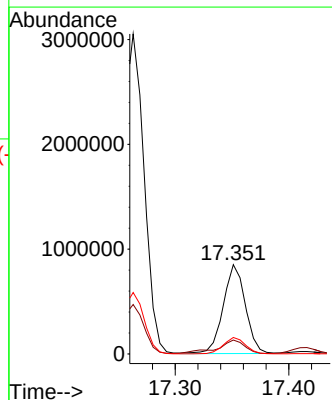
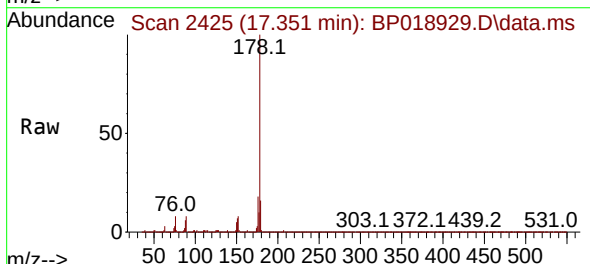
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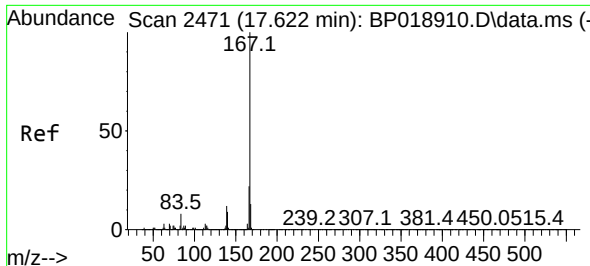
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#74
Anthracene
Concen: 19.904 ng/u1
RT: 17.351 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP018929.D
Acq: 19 Dec 2023 03:47

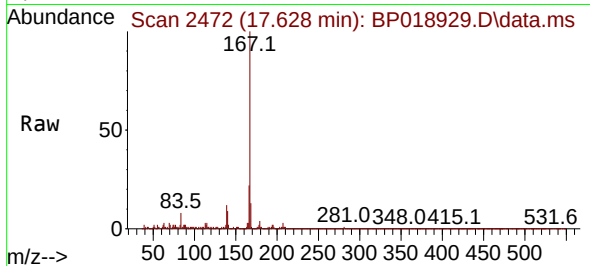
Tgt Ion:178 Resp: 1154621
Ion Ratio Lower Upper
178 100
179 15.7 12.5 18.7
176 18.4 15.0 22.6





#77
 Carbazole
 Concen: 8.006 ng/ul
 RT: 17.628 min Scan# 2471
 Delta R.T. 0.006 min
 Lab File: BP018929.D
 Acq: 19 Dec 2023 03:47

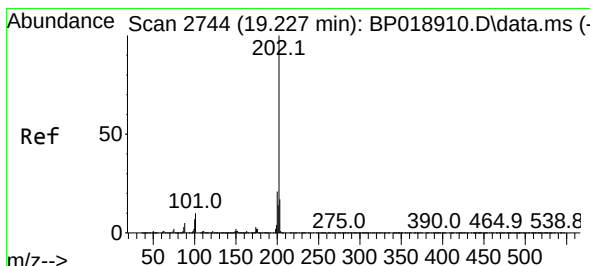
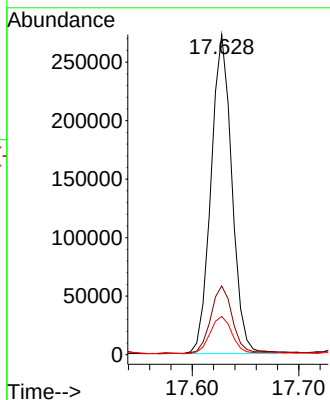
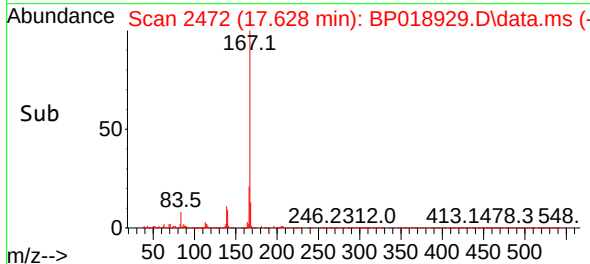
Instrument :
 BNA_P
 ClientSampleId :
 BH3Q1



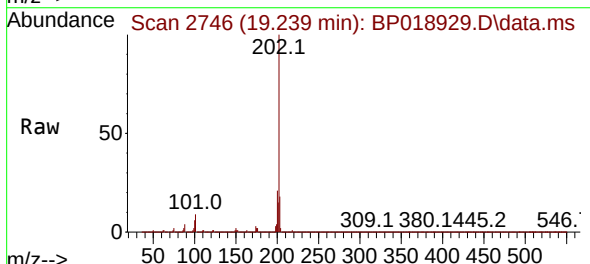
Tgt Ion:167 Resp: 370140
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 11.9 10.2 15.4

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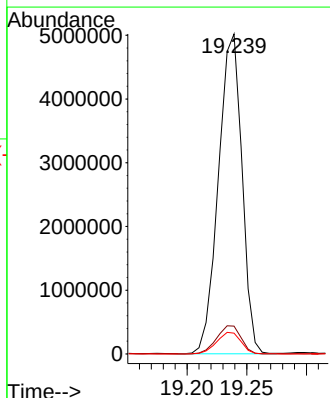
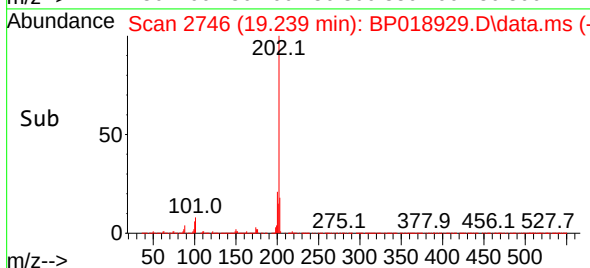
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

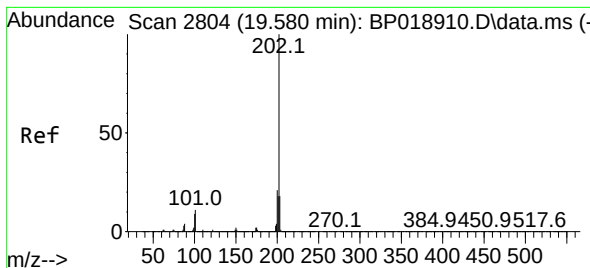


#80
 Fluoranthene
 Concen: 81.415 ng/ul m
 RT: 19.239 min Scan# 2746
 Delta R.T. 0.012 min
 Lab File: BP018929.D
 Acq: 19 Dec 2023 03:47



Tgt Ion:202 Resp: 6910520
 Ion Ratio Lower Upper
 202 100
 101 8.7 9.1 13.7#
 100 6.5 7.1 10.7#





#82

Pyrene

Concen: 76.073 ng/ul

RT: 19.592 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP018929.D

Acq: 19 Dec 2023 03:47

Instrument :

BNA_P

ClientSampleId :

BH3Q1

Tgt Ion:202 Resp: 651402

Ion Ratio Lower Upper

202 100

101 10.1 11.0 16.4

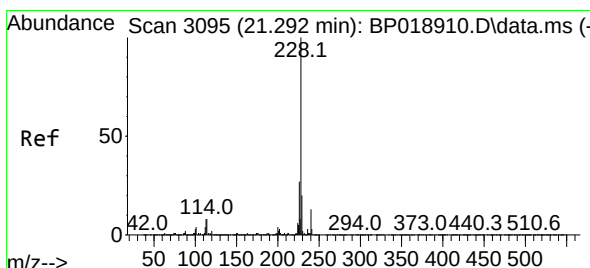
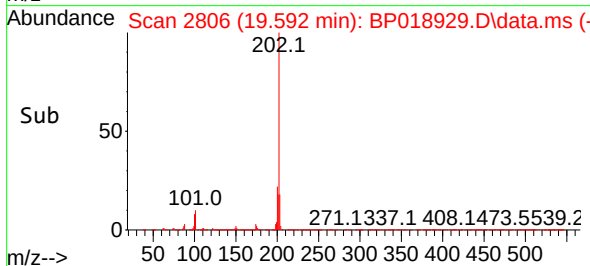
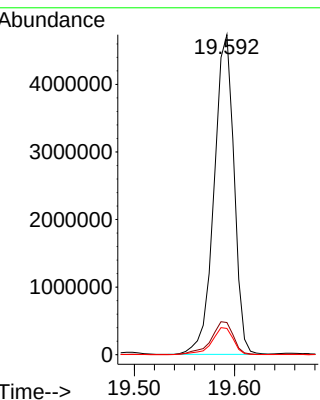
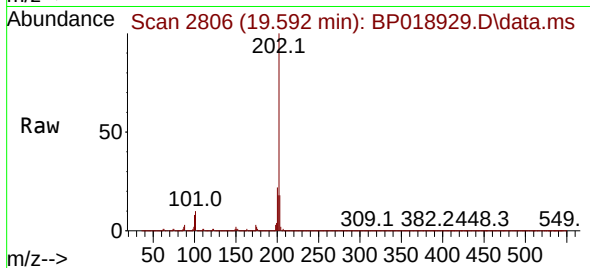
100 8.2 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#85

Benzo(a)anthracene

Concen: 50.306 ng/ul

RT: 21.298 min Scan# 3096

Delta R.T. 0.012 min

Lab File: BP018929.D

Acq: 19 Dec 2023 03:47

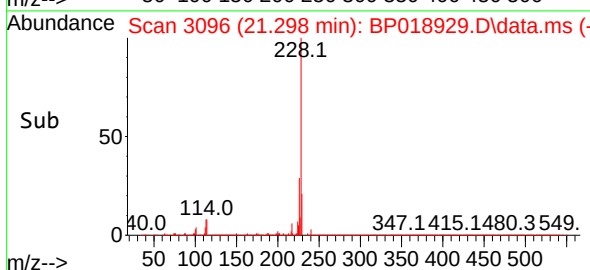
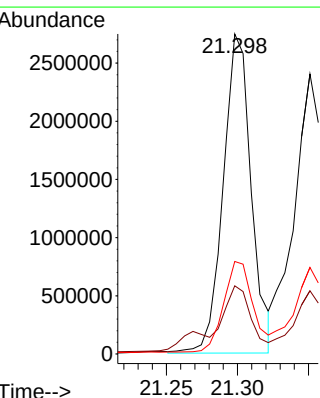
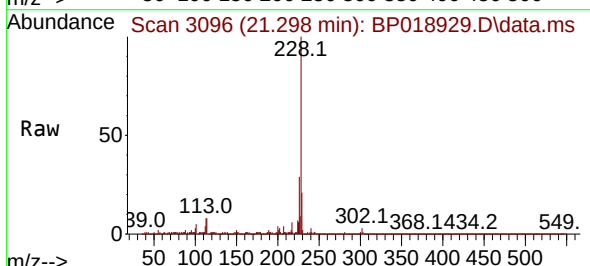
Tgt Ion:228 Resp: 3766749

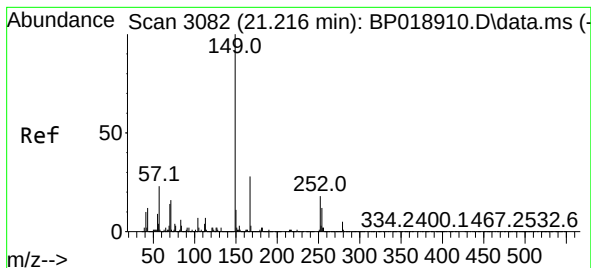
Ion Ratio Lower Upper

228 100

229 21.3 15.7 23.5

226 28.9 21.9 32.9





#86

Bis(2-ethylhexyl)phthalate

Concen: 1.181 ng/ul

RT: 21.222 min Scan# 3082

Delta R.T. 0.006 min

Lab File: BP018929.D

Acq: 19 Dec 2023 03:47

Instrument :

BNA_P

ClientSampleId :

BH3Q1

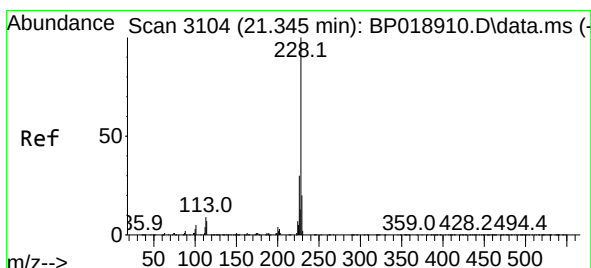
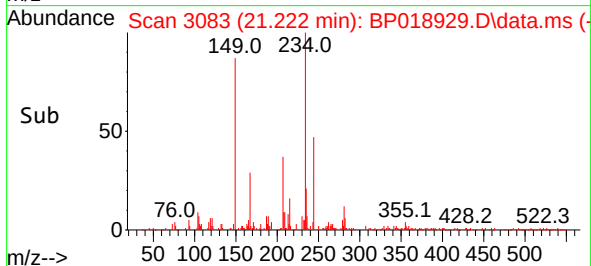
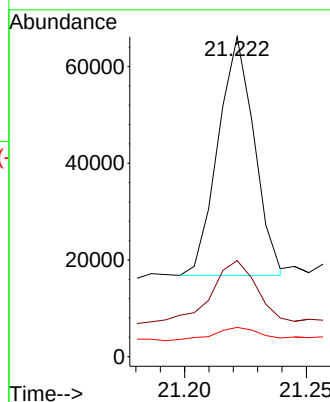
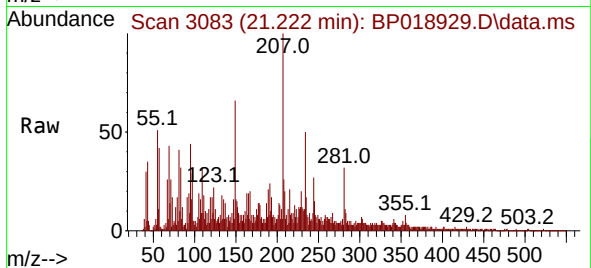
Tgt Ion:	149	Resp:	5090
Ion Ratio	Lower	Upper	
149	100		
167	30.0	22.2	33.2
279	9.2	3.3	4.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#87

Chrysene

Concen: 50.415 ng/ul

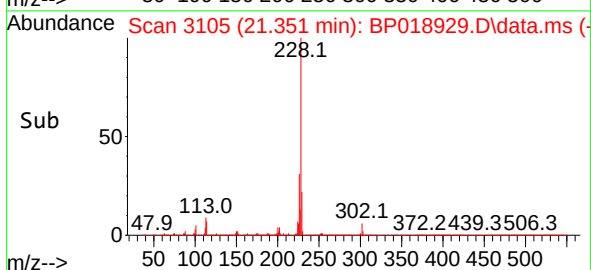
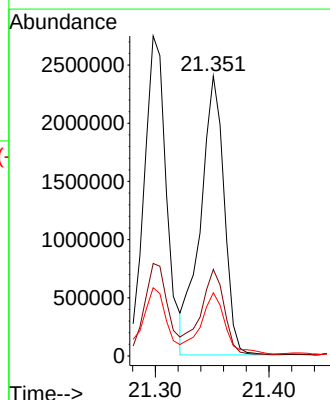
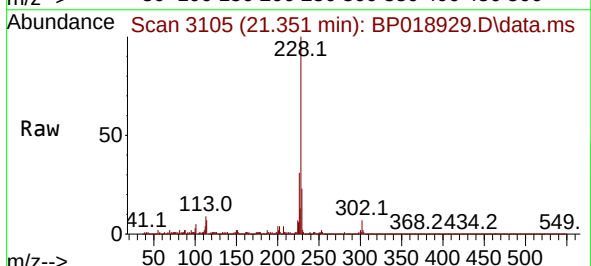
RT: 21.351 min Scan# 3105

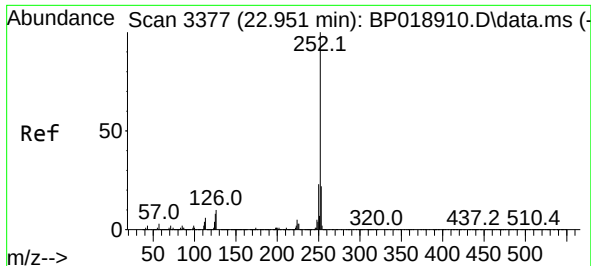
Delta R.T. 0.012 min

Lab File: BP018929.D

Acq: 19 Dec 2023 03:47

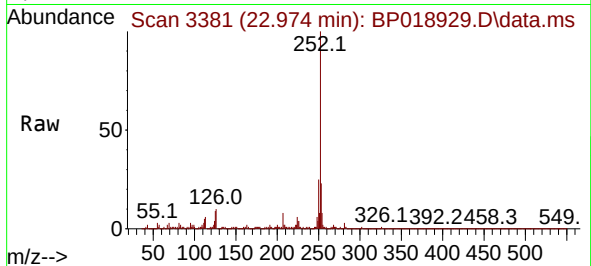
Tgt Ion:	228	Resp:	3476293
Ion Ratio	Lower	Upper	
228	100		
226	30.9	23.9	35.9
229	22.6	15.6	23.4





#90
Benzo(b)fluoranthene
Concen: 61.237 ng/ul
RT: 22.974 min Scan# 3381
Delta R.T. 0.030 min
Lab File: BP018929.D
Acq: 19 Dec 2023 03:47

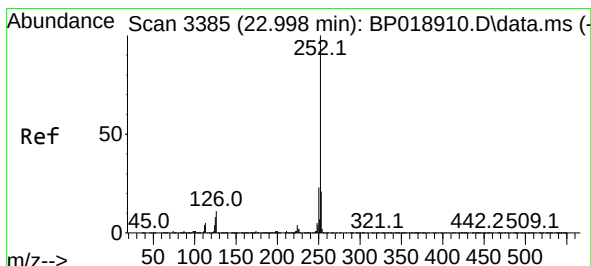
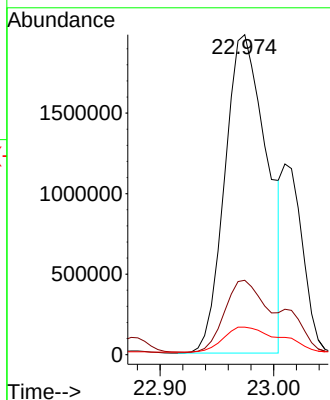
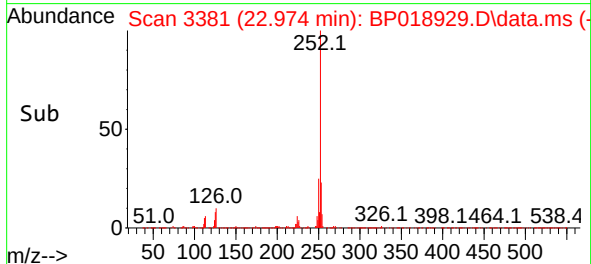
Instrument :
BNA_P
ClientSampleId :
BH3Q1



Tgt Ion:252 Resp: 510699
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 8.6 7.8 11.6

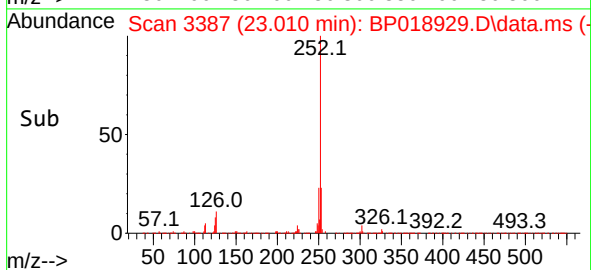
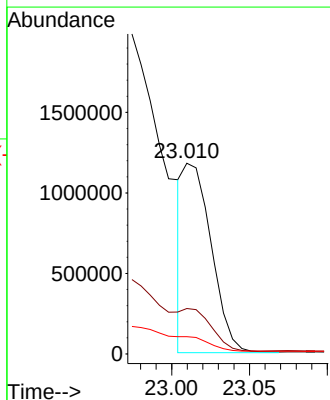
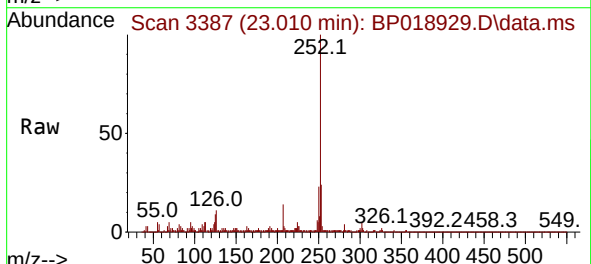
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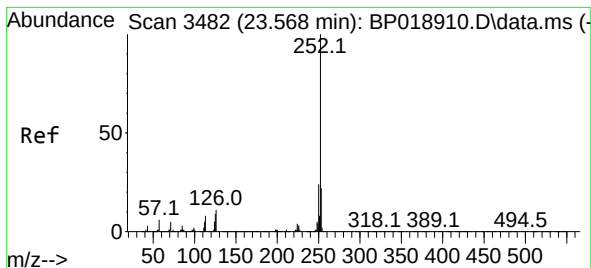
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#91
Benzo(k)fluoranthene
Concen: 18.223 ng/ul m
RT: 23.010 min Scan# 3387
Delta R.T. 0.018 min
Lab File: BP018929.D
Acq: 19 Dec 2023 03:47

Tgt Ion:252 Resp: 1470427
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 9.0 8.0 12.0





#93

Benzo(a)pyrene

Concen: 47.750 ng/ul m

RT: 23.592 min Scan# 34

Delta R.T. 0.030 min

Lab File: BP018929.D

Acq: 19 Dec 2023 03:47

Instrument :

BNA_P

ClientSampleId :

BH3Q1

Tgt Ion:252 Resp: 363864

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

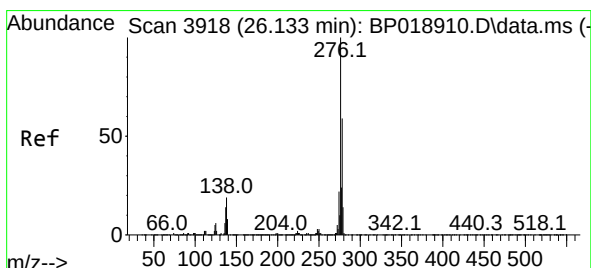
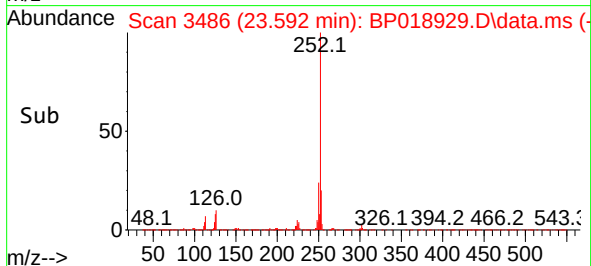
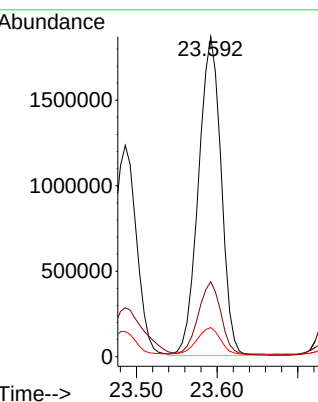
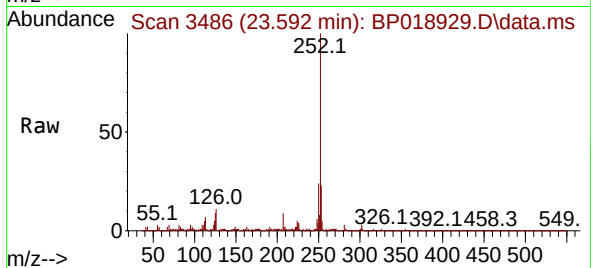
125 9.1 9.2 13.8

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: 29.909 ng/ul

RT: 26.174 min Scan# 3925

Delta R.T. 0.053 min

Lab File: BP018929.D

Acq: 19 Dec 2023 03:47

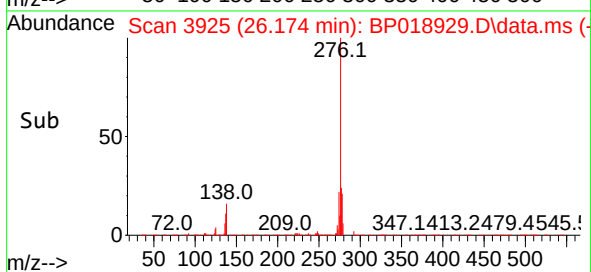
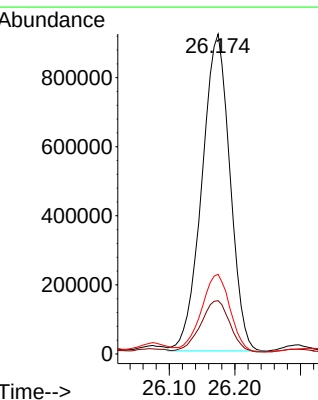
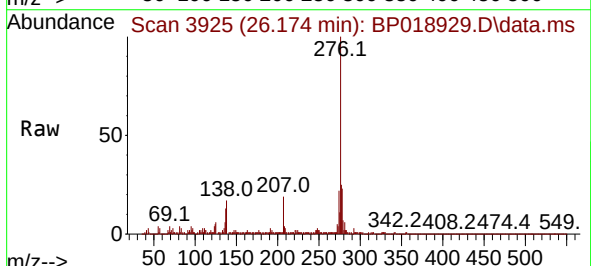
Tgt Ion:276 Resp: 2723093

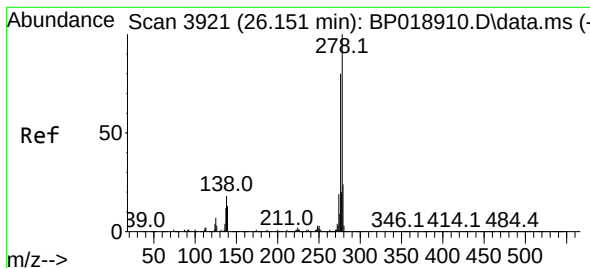
Ion Ratio Lower Upper

276 100

138 16.7 19.4 29.2#

277 24.9 19.8 29.6





#95

Dibenzo(a,h)anthracene

Concen: 9.334 ng/ul

RT: 26.174 min Scan# 3921

Delta R.T. 0.035 min

Lab File: BP018929.D

Acq: 19 Dec 2023 03:47

Instrument :

BNA_P

ClientSampleId :

BH3Q1

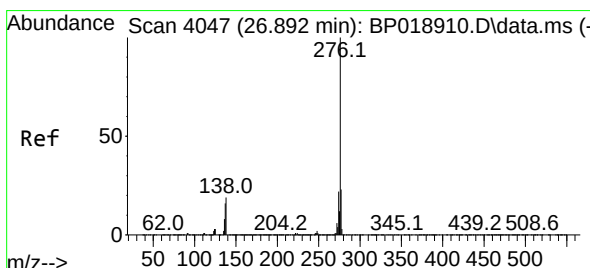
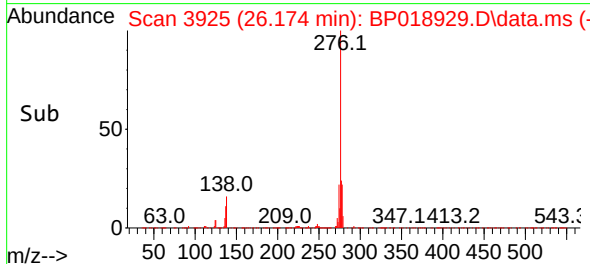
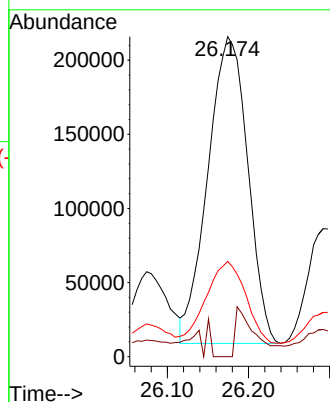
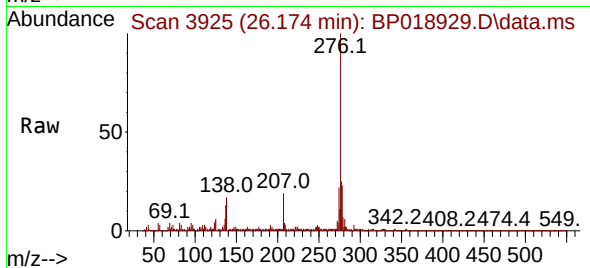
Tgt Ion:	278	Resp:	70690
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.0	19.6
279	29.8	18.7	28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#96

Benzo(g,h,i)perylene

Concen: 22.724 ng/ul

RT: 26.933 min Scan# 4054

Delta R.T. 0.059 min

Lab File: BP018929.D

Acq: 19 Dec 2023 03:47

Tgt Ion:	276	Resp:	1665014
Ion Ratio	Lower	Upper	
276	100		
138	17.8	18.1	27.1
277	24.5	19.4	29.0

