

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018928.D
 Acq On : 19 Dec 2023 03:13
 Operator : MA/JU
 Sample : 05794-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q0

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 03:45:02 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	198821	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	694614	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	406385	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.215	188	931080	20.000	ng/u1	0.00
79) Chrysene-d12	21.315	240	925436	20.000	ng/u1	0.01
88) Perylene-d12	23.692	264	1158592	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.257	96	13451	2.305	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.016	99	219539	11.003	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.169	67	131156	11.091	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	184746	11.866	ng/u1	0.00
15) 4-Methylphenol-d8	8.551	113	154866	9.591	ng/u1	0.00
21) Nitrobenzene-d5	8.992	128	82698	13.377	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	84977	13.258	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	169753	12.952	ng/u1	0.00
31) 4-Chloroaniline-d4	10.775	131	66959	3.909	ng/u1	0.00
46) Dimethylphthalate-d6	13.880	166	480439	13.246	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	566597	14.187	ng/u1	0.00
54) 4-Nitrophenol-d4	14.692	143	48909	8.215	ng/u1	0.02
60) Fluorene-d10	15.457	176	446777	14.675	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	14962	2.680	ng/u1	0.00
73) Anthracene-d10	17.315	188	746398	15.249	ng/u1	0.00
81) Pyrene-d10	19.557	212	939426	13.041	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.539	264	991448	14.676	ng/u1	0.02
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.975	77	13671	1.327	ng/u1#	85
8) Phenol	7.040	94	53836	2.751	ng/u1	98
16) Acetophenone	8.657	105	292340	12.148	ng/u1	97
30) Naphthalene	10.675	128	70633	1.676	ng/u1	96
50) Acenaphthylene	14.186	152	177458	3.952	ng/u1	98
52) Acenaphthene	14.527	153	53199	1.792	ng/u1	98
56) Dibenzofuran	14.863	168	57568	1.395	ng/u1	97
61) Fluorene	15.516	166	84071	2.575	ng/u1	100
69) Hexachlorobenzene	16.515	284	116264	8.859	ng/u1	97
72) Phenanthrene	17.257	178	1924474	34.223	ng/u1	100
74) Anthracene	17.351	178	579544	10.282	ng/u1	99
77) Carbazole	17.627	167	172750	3.845	ng/u1	100
78) Di-n-butylphthalate	18.174	149	72809	1.217	ng/u1#	96
80) Fluoranthene	19.233	202	4398936m	51.660	ng/u1	
82) Pyrene	19.586	202	4087757	47.586	ng/u1#	93
85) Benzo(a)anthracene	21.298	228	2535143	33.749	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.221	149	905294	20.944	ng/u1#	98
87) Chrysene	21.351	228	2483499	35.902	ng/u1	96
90) Benzo(b)fluoranthene	22.968	252	3919356	45.881	ng/u1	96
91) Benzo(k)fluoranthene	23.009	252	1325675m	16.039	ng/u1	
93) Benzo(a)pyrene	23.586	252	2908950	37.268	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.168	276	2455481	26.330	ng/u1	97
95) Dibenzo(a,h)anthracene	26.168	278	696087	8.973	ng/u1#	92
96) Benzo(g,h,i)perylene	26.927	276	1285824	17.132	ng/u1#	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

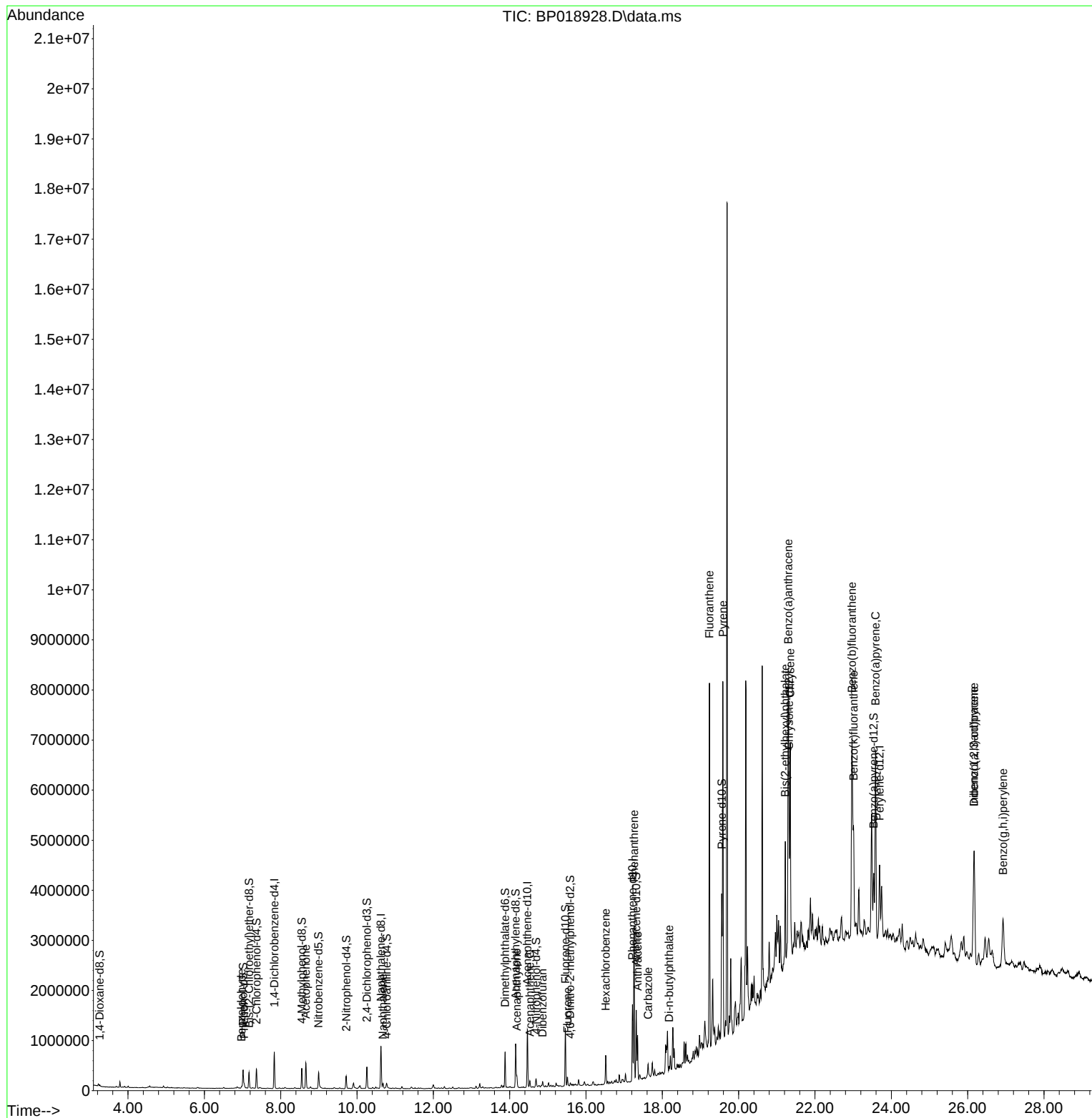
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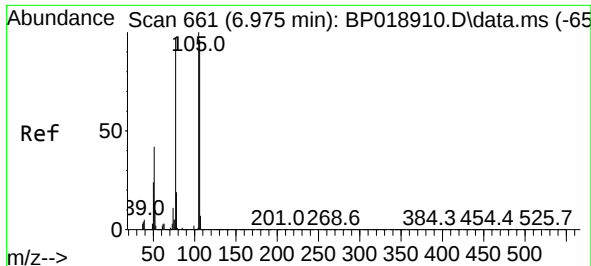
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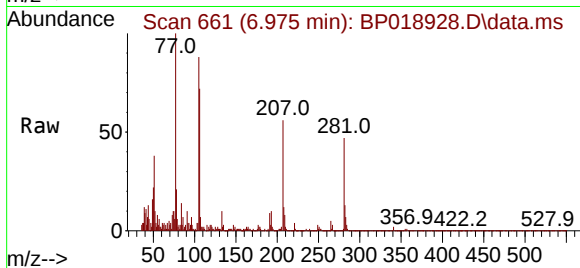
Quant Time: Dec 19 03:45:02 2023
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#6
Benzaldehyde
Concen: 1.327 ng/ul
RT: 6.975 min Scan# 60
Delta R.T. -0.000 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

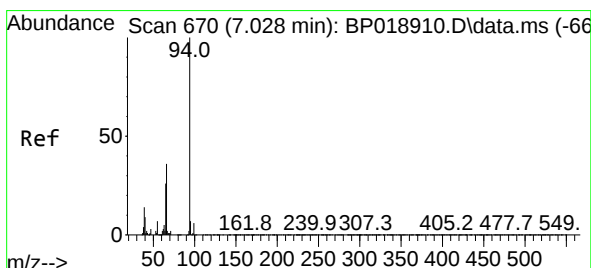
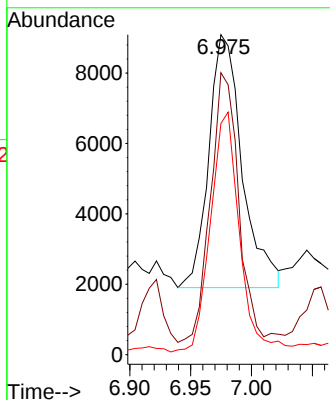
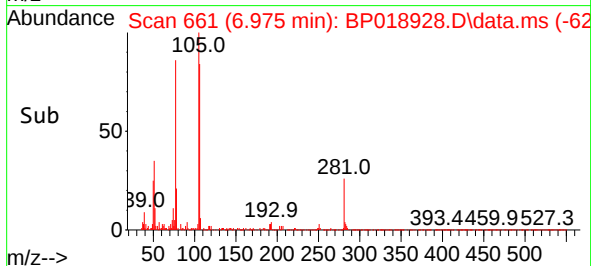
Instrument :
BNA_P
ClientSampleId :
BH3Q0



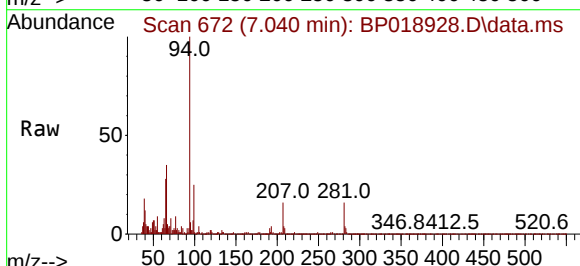
Tgt Ion: 77 Resp: 1367
Ion Ratio Lower Upper
77 100
105 88.1 77.9 116.9
106 72.3 74.6 111.8

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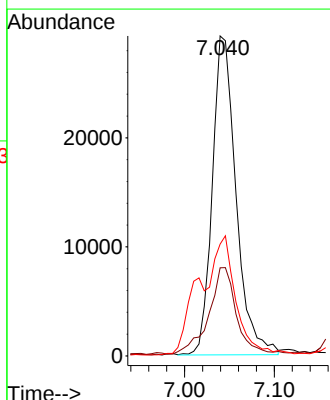
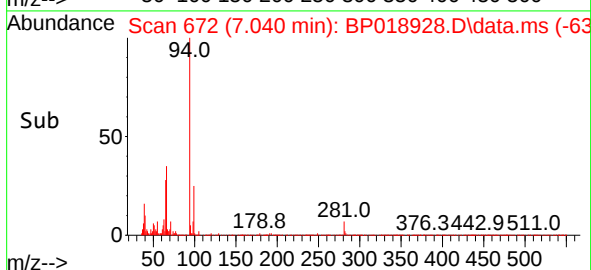
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

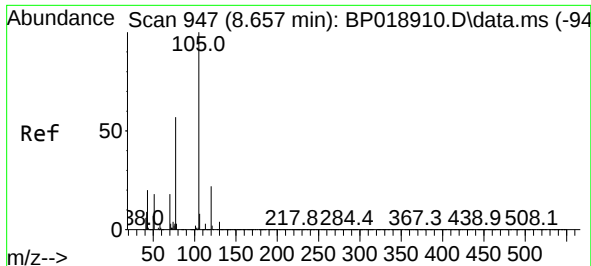


#8
Phenol
Concen: 2.751 ng/ul
RT: 7.040 min Scan# 672
Delta R.T. 0.011 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13



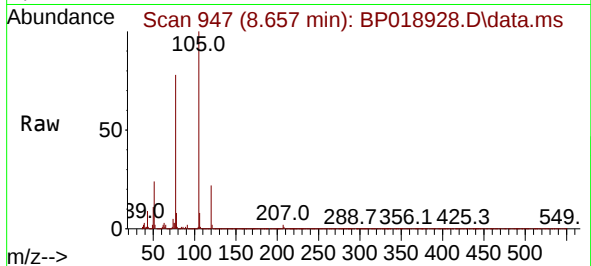
Tgt Ion: 94 Resp: 53836
Ion Ratio Lower Upper
94 100
65 27.6 21.0 31.6
66 35.0 28.6 43.0





#16
Acetophenone
Concen: 12.148 ng/ul
RT: 8.657 min Scan# 947
Delta R.T. -0.000 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

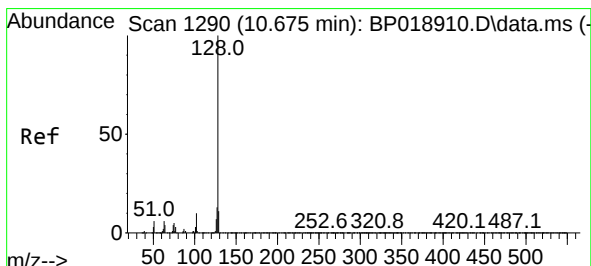
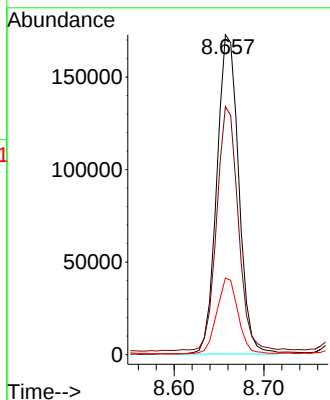
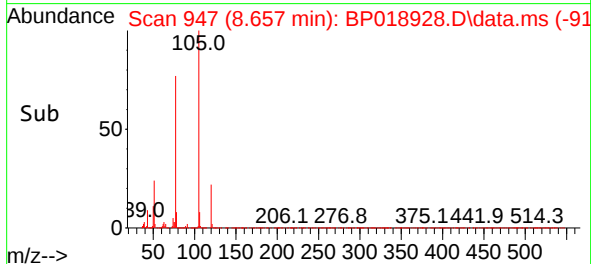
Instrument :
BNA_P
ClientSampleId :
BH3Q0



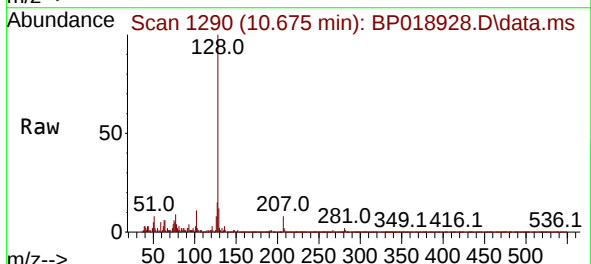
Tgt Ion:105 Resp: 292340
Ion Ratio Lower Upper
105 100
77 77.5 59.4 89.0
51 24.0 19.4 29.0

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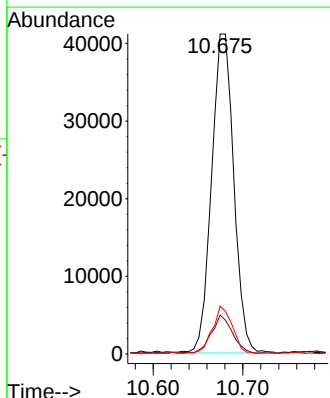
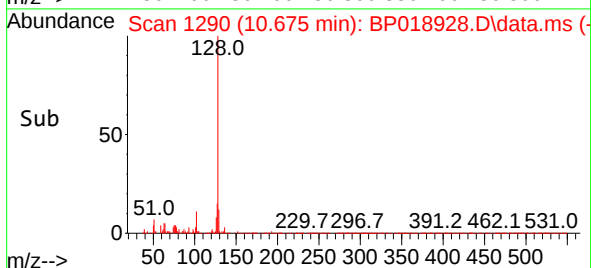
Reviewed By :Yogesh Patel 12/19/2023
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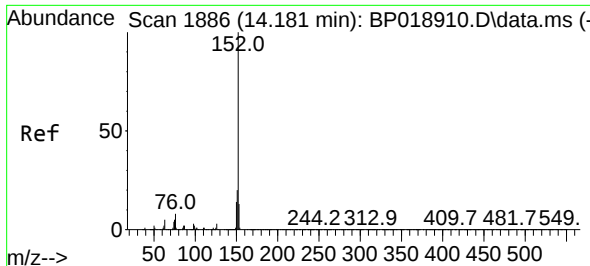


#30
Naphthalene
Concen: 1.676 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13



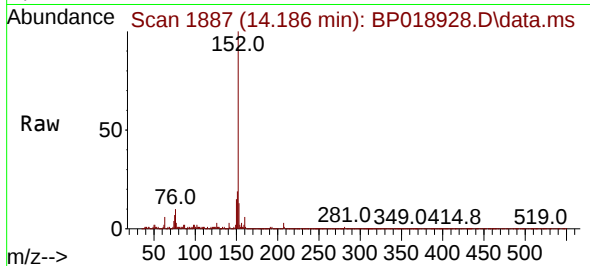
Tgt Ion:128 Resp: 70633
Ion Ratio Lower Upper
128 100
129 12.2 8.9 13.3
127 15.0 10.5 15.7





#50
Acenaphthylene
Concen: 3.952 ng/ul
RT: 14.186 min Scan# 1886
Delta R.T. -0.000 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

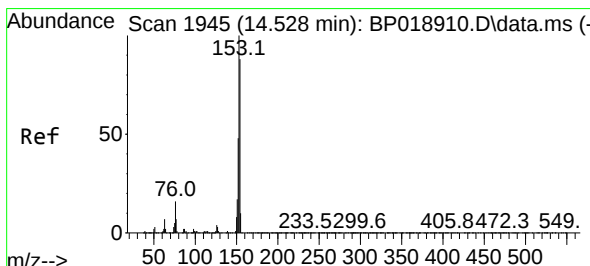
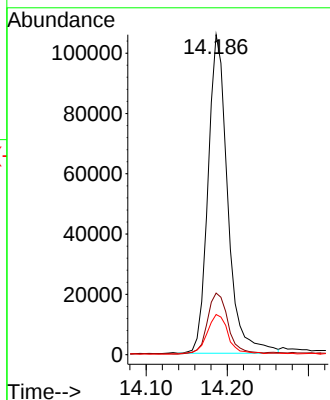
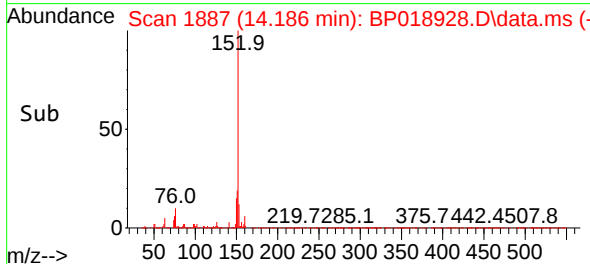
Instrument :
BNA_P
ClientSampleId :
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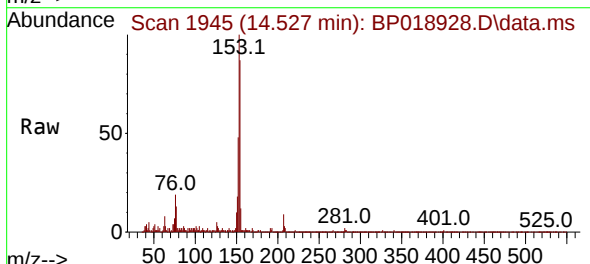
Tgt Ion:152 Resp: 177458
Ion Ratio Lower Upper
152 100
151 19.2 15.9 23.9
153 12.6 10.6 16.0

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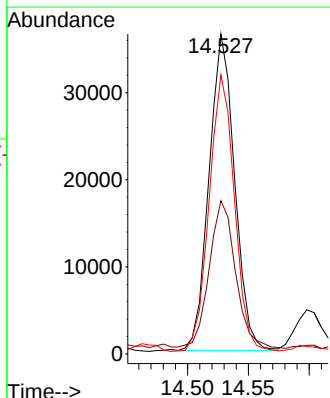
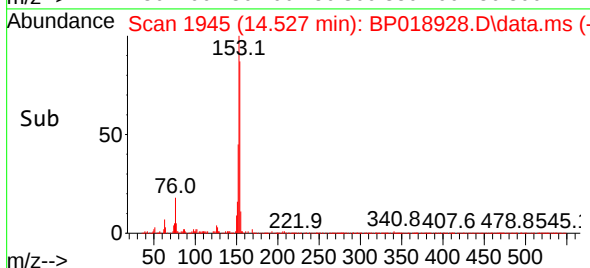
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

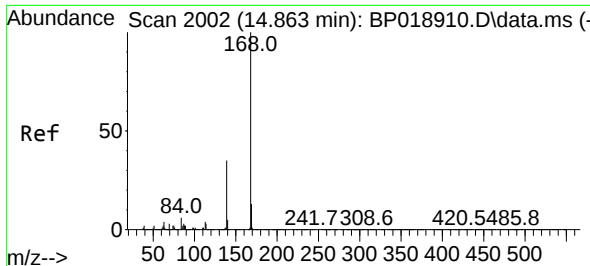


#52
Acenaphthene
Concen: 1.792 ng/ul
RT: 14.527 min Scan# 1945
Delta R.T. -0.000 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13



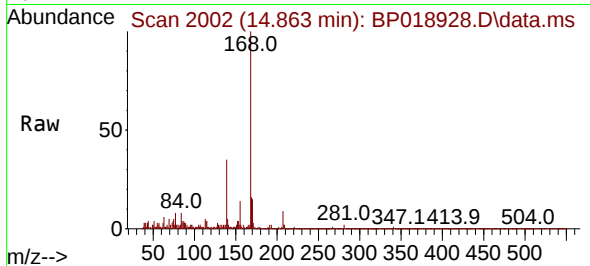
Tgt Ion:153 Resp: 53199
Ion Ratio Lower Upper
153 100
152 47.9 38.1 57.1
154 87.2 71.7 107.5





#56
Dibenzenofuran
Concen: 1.395 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

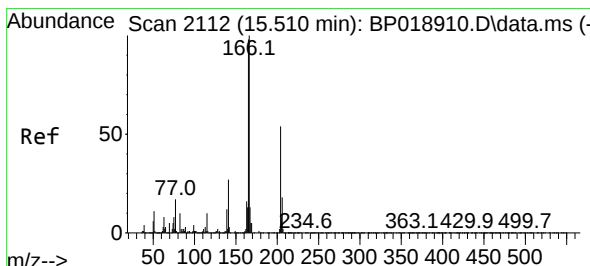
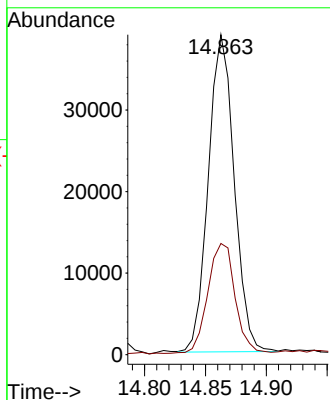
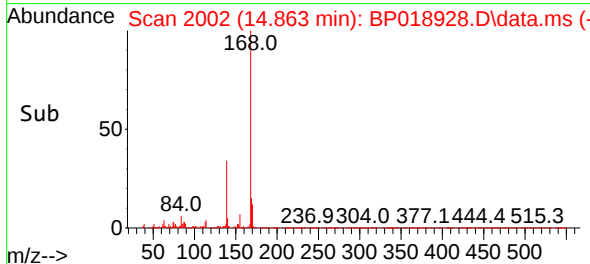
Instrument :
BNA_P
ClientSampleId :
BH3Q0



Tgt Ion:168 Resp: 5756
Ion Ratio Lower Upper
168 100
139 34.8 29.1 43.7

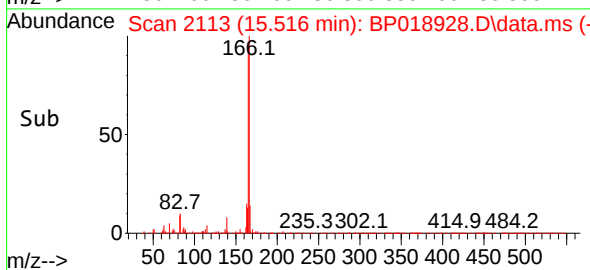
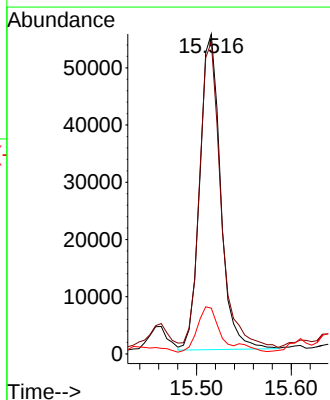
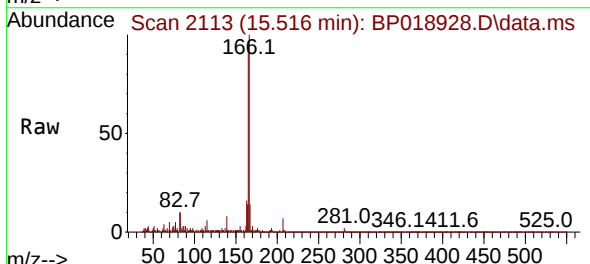
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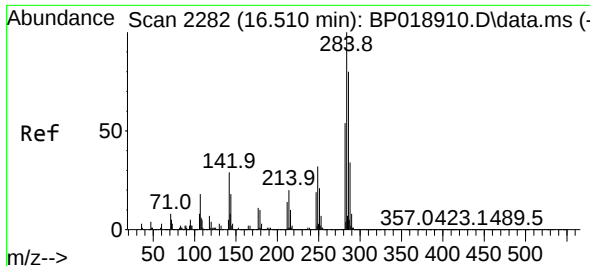
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#61
Fluorene
Concen: 2.575 ng/ul
RT: 15.516 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

Tgt Ion:166 Resp: 84071
Ion Ratio Lower Upper
166 100
165 97.4 78.0 117.0
167 14.3 10.8 16.2





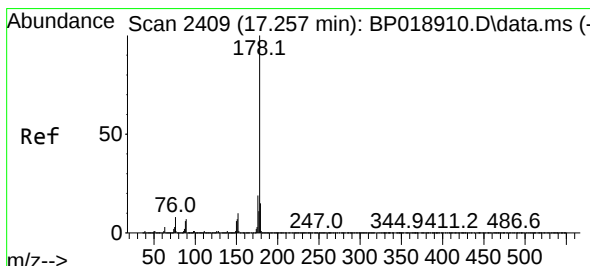
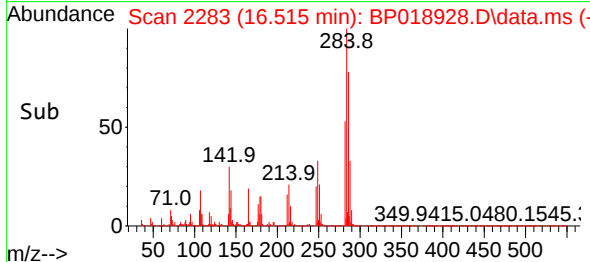
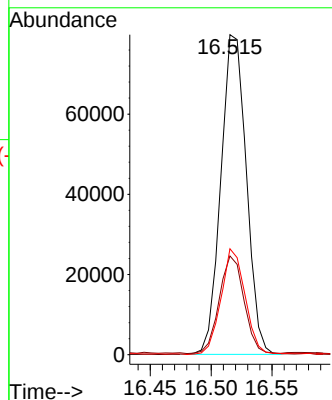
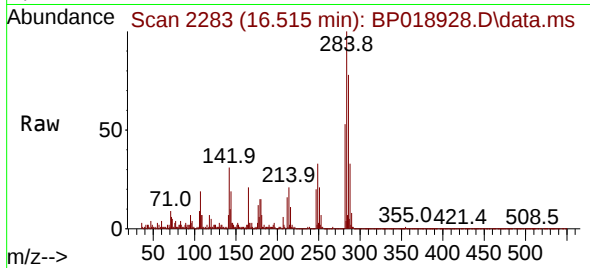
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Hexachlorobenzene
Concen: 8.859 ng/ul
RT: 16.515 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP018928.D
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Tgt Ion:284 Resp: 116264
Ion Ratio Lower Upper
284 100
142 30.9 25.8 38.6
249 33.1 24.9 37.3

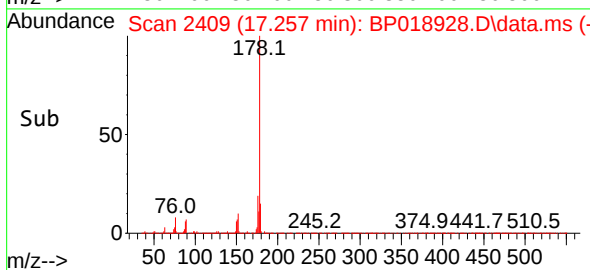
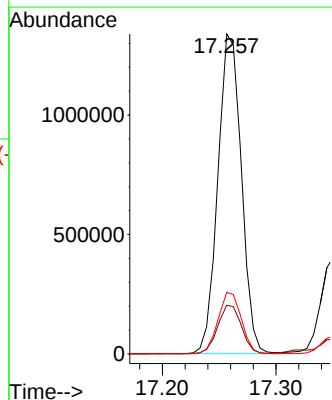
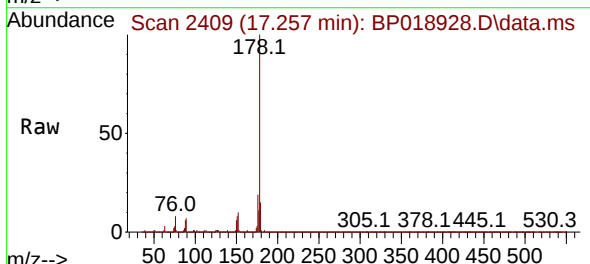
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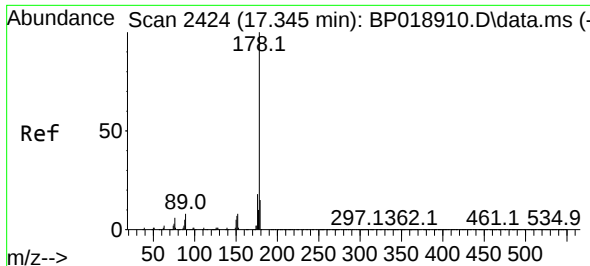
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#72
Phenanthrene
Concen: 34.223 ng/ul
RT: 17.257 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

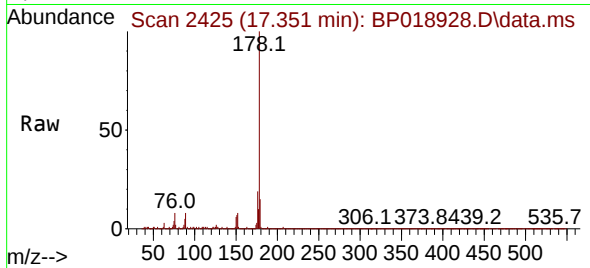
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Ion Ratio Lower Upper
178 100
179 15.2 12.3 18.5
176 19.3 15.4 23.2





#74
 Anthracene
 Concen: 10.282 ng/ul
 RT: 17.351 min Scan# 2424
 Delta R.T. 0.006 min
 Lab File: BP018928.D
 Acq: 19 Dec 2023 03:13

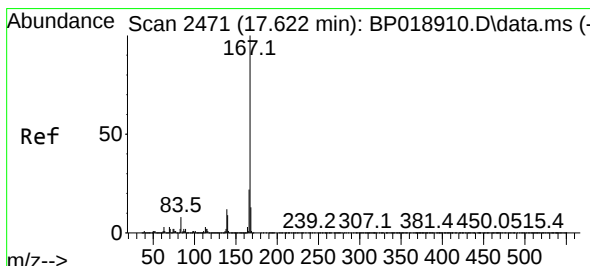
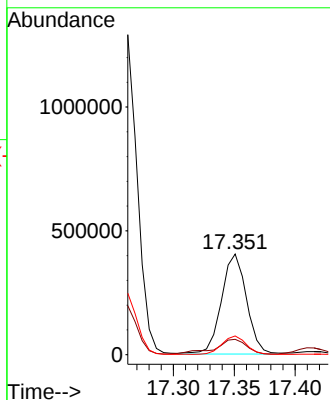
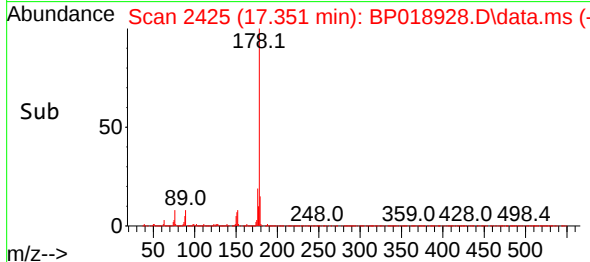
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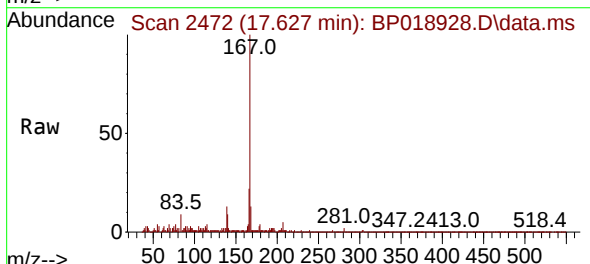
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 Ion Ratio Lower Upper
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 179 15.3 12.5 18.7
 176 18.6 15.0 22.6

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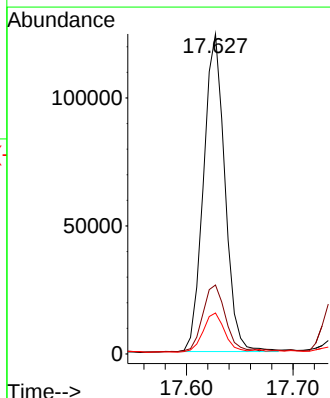
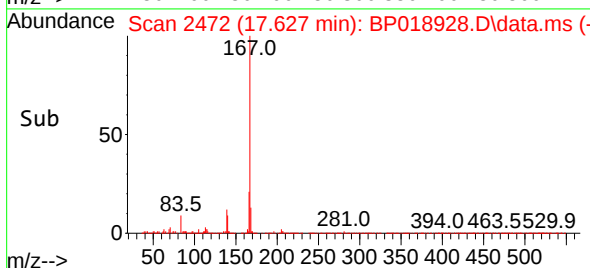
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

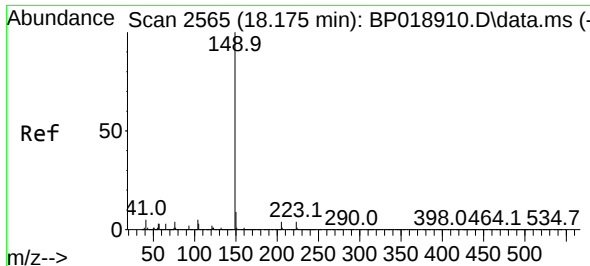


#77
 Carbazole
 Concen: 3.845 ng/ul
 RT: 17.627 min Scan# 2472
 Delta R.T. 0.006 min
 Lab File: BP018928.D
 Acq: 19 Dec 2023 03:13



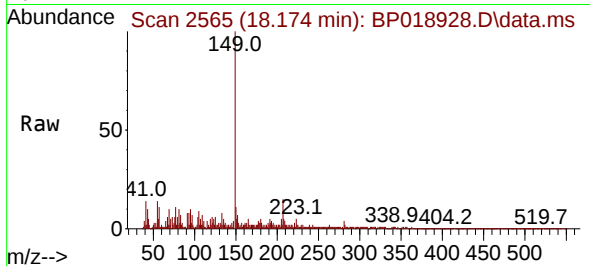
Tgt Ion:167 Resp: 172750
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.1 25.7
 139 12.8 10.2 15.4





#78
Di-n-butylphthalate
Concen: 1.217 ng/ul
RT: 18.174 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

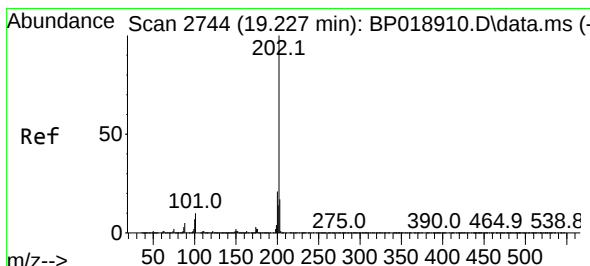
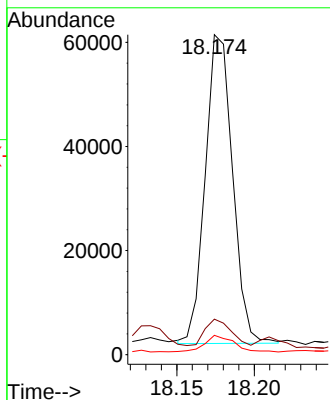
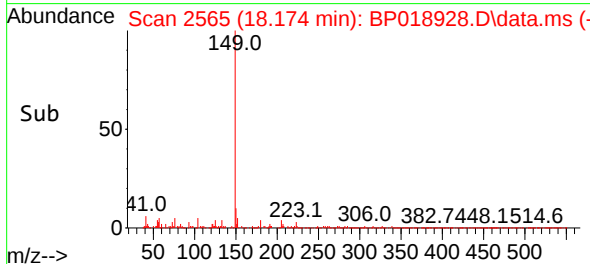
Instrument :
BNA_P
ClientSampleId :
BH3Q0



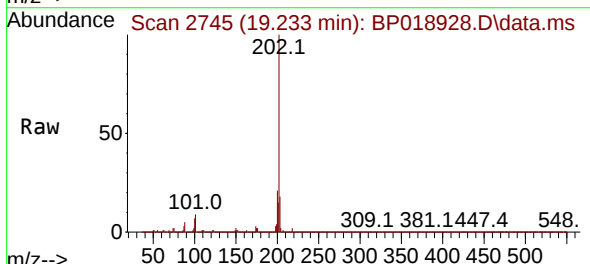
Tgt Ion:149 Resp: 72809
Ion Ratio Lower Upper
149 100
150 11.1 7.4 11.2
104 6.0 3.9 5.9

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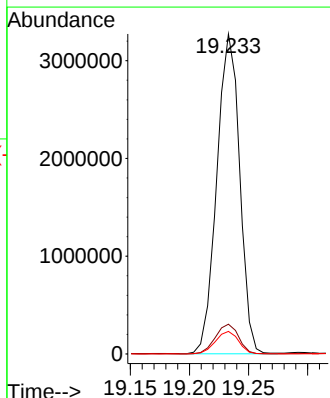
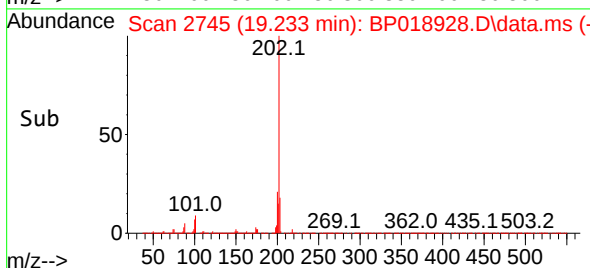
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

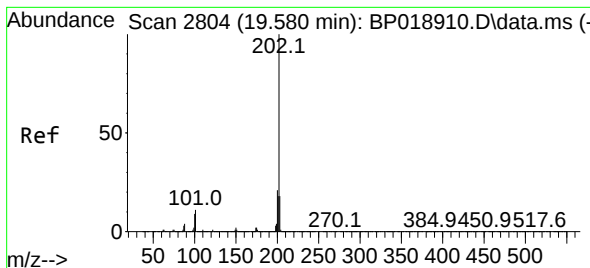


#80
Fluoranthene
Concen: 51.660 ng/ul m
RT: 19.233 min Scan# 2745
Delta R.T. 0.006 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13



Tgt Ion:202 Resp: 4398936
Ion Ratio Lower Upper
202 100
101 9.3 9.1 13.7
100 7.1 7.1 10.7





#82

Pyrene

Concen: 47.586 ng/ul

RT: 19.586 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP018928.D

Acq: 19 Dec 2023 03:13

Instrument :

BNA_P

ClientSampleId :

BH3Q0

Tgt Ion:202 Resp: 408775

Ion Ratio Lower Upper

202 100

101 10.8 11.0 16.4

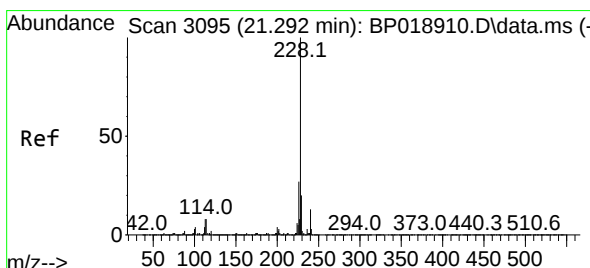
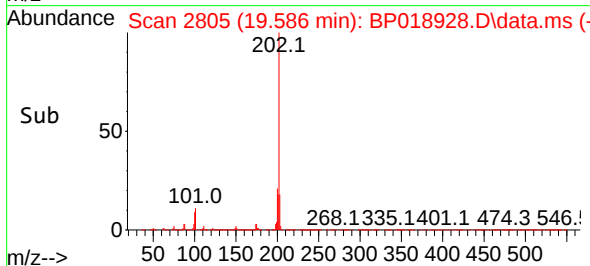
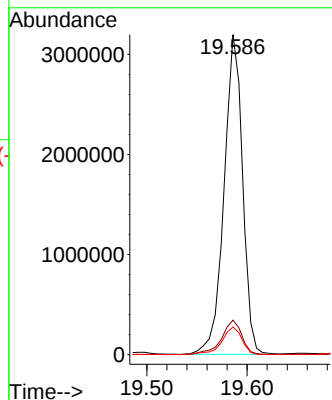
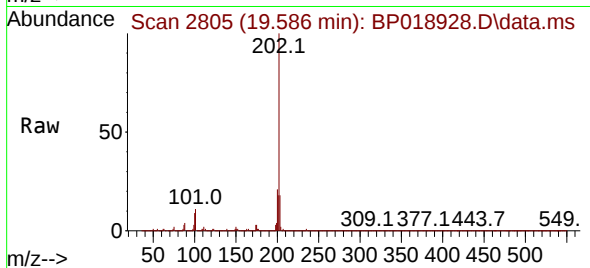
100 8.6 9.1 13.7

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#85

Benzo(a)anthracene

Concen: 33.749 ng/ul

RT: 21.298 min Scan# 3096

Delta R.T. 0.011 min

Lab File: BP018928.D

Acq: 19 Dec 2023 03:13

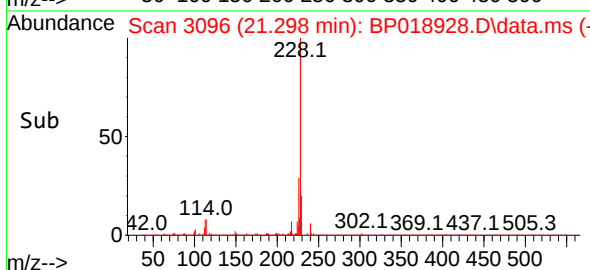
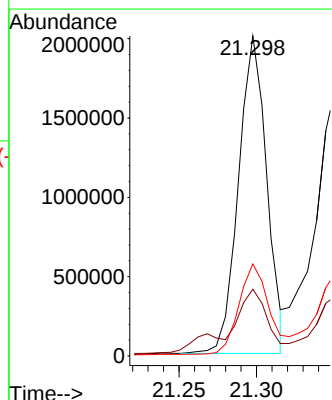
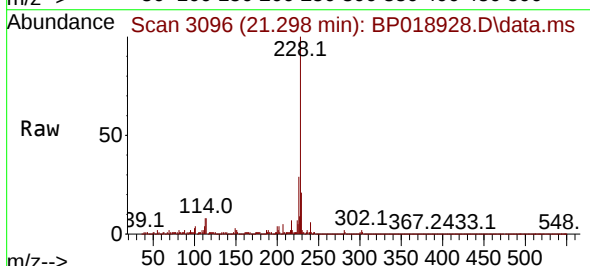
Tgt Ion:228 Resp: 2535143

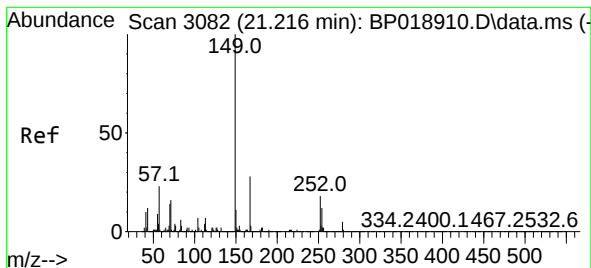
Ion Ratio Lower Upper

228 100

229 20.9 15.7 23.5

226 28.8 21.9 32.9





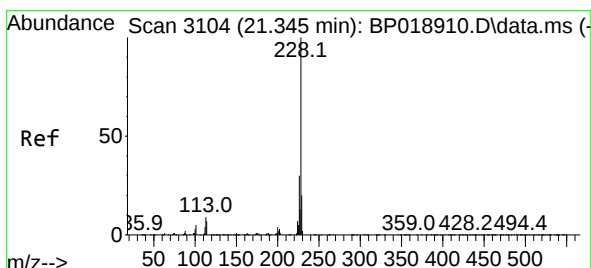
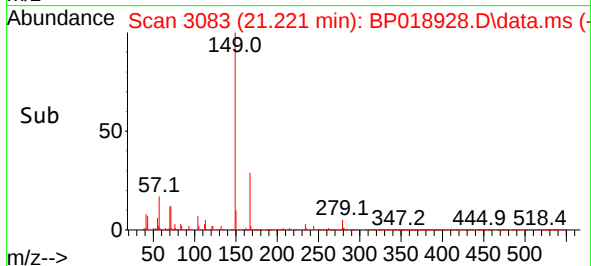
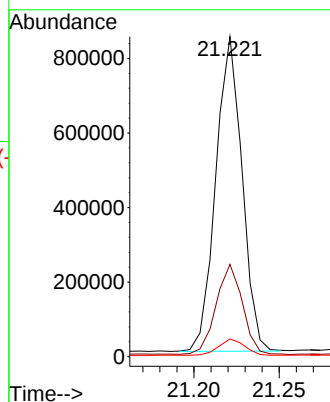
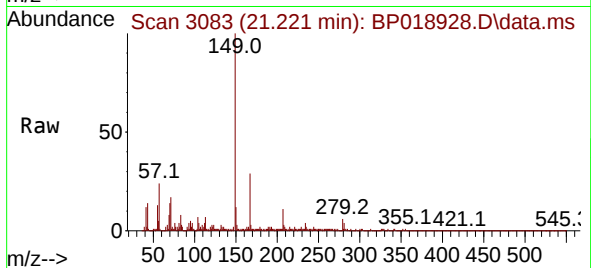
#86
Bis(2-ethylhexyl)phthalate
Concen: 20.944 ng/ul
RT: 21.221 min Scan# 3082
Delta R.T. 0.006 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

Instrument :
BNA_P
ClientSampleId :
BH3Q0

Tgt Ion:149 Resp: 905294
Ion Ratio Lower Upper
149 100
167 28.8 22.2 33.2
279 5.6 3.3 4.9

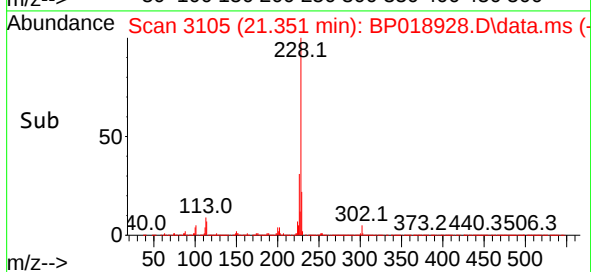
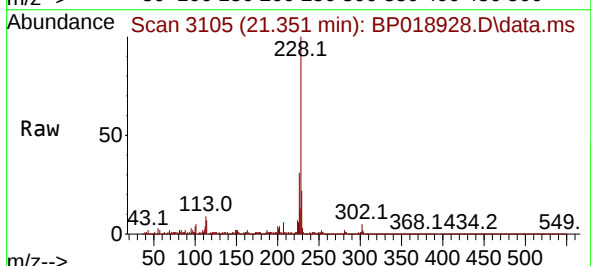
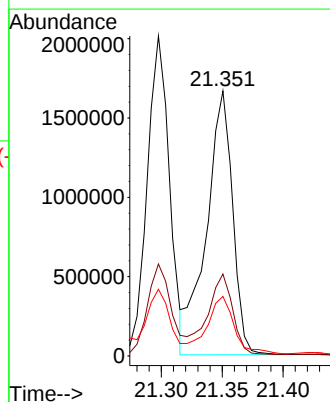
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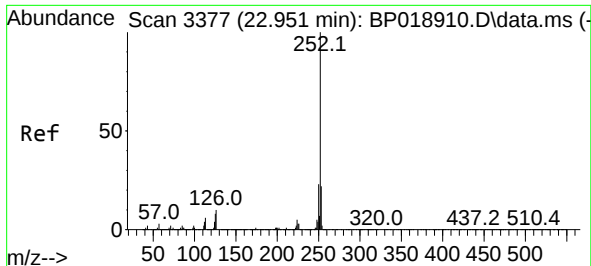
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#87
Chrysene
Concen: 35.902 ng/ul
RT: 21.351 min Scan# 3105
Delta R.T. 0.011 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

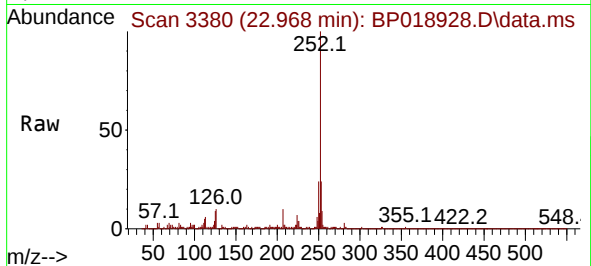
Tgt Ion:228 Resp: 2483499
Ion Ratio Lower Upper
228 100
226 30.9 23.9 35.9
229 22.5 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 45.881 ng/ul
RT: 22.968 min Scan# 3380
Delta R.T. 0.023 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

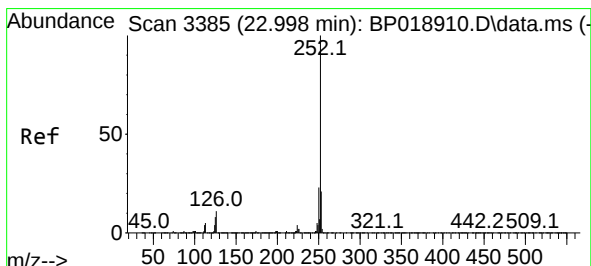
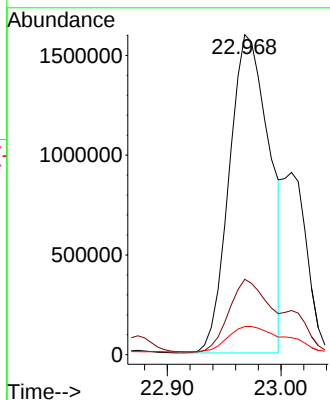
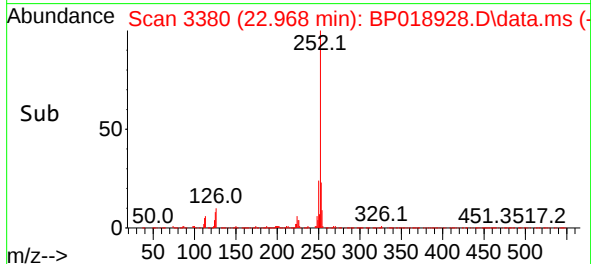
Instrument :
BNA_P
ClientSampleId :
BH3Q0



Tgt Ion:252 Resp: 3919350
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 8.8 7.8 11.6

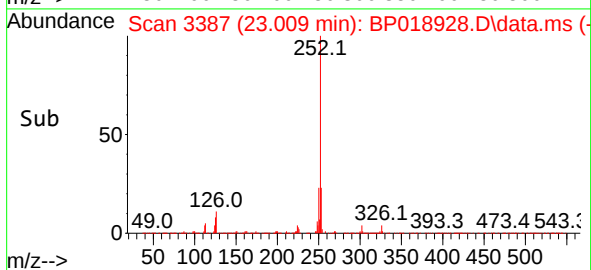
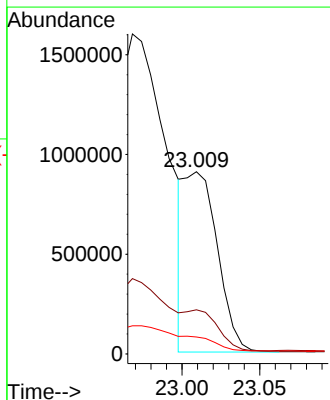
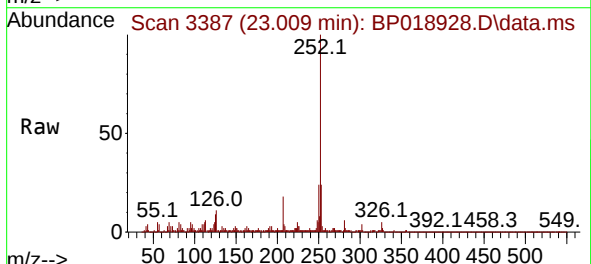
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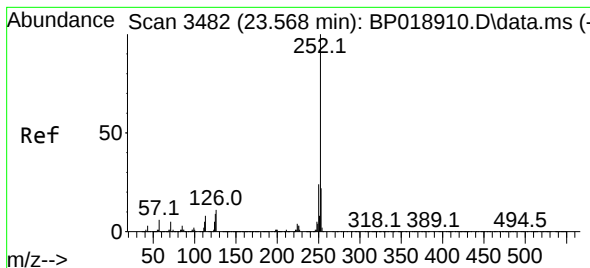
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#91
Benzo(k)fluoranthene
Concen: 16.039 ng/ul m
RT: 23.009 min Scan# 3387
Delta R.T. 0.017 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

Tgt Ion:252 Resp: 1325675
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 9.3 8.0 12.0





#93

Benzo(a)pyrene

Concen: 37.268 ng/ul

RT: 23.586 min Scan# 3482

Delta R.T. 0.023 min

Lab File: BP018928.D

Acq: 19 Dec 2023 03:13

Instrument :

BNA_P

ClientSampleId :

BH3Q0

Tgt Ion:252 Resp: 2908950

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

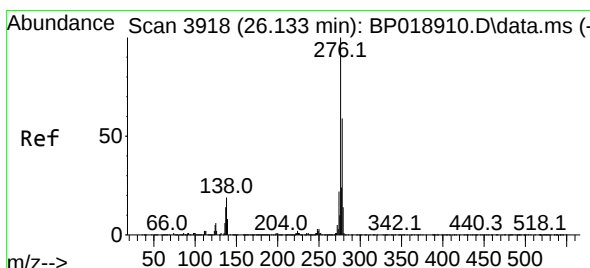
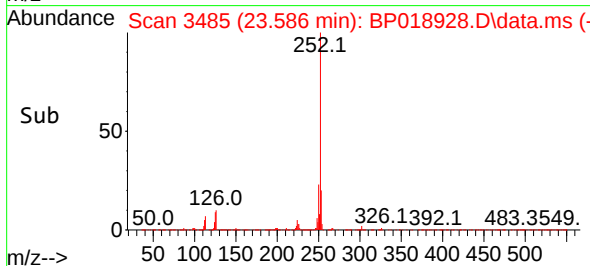
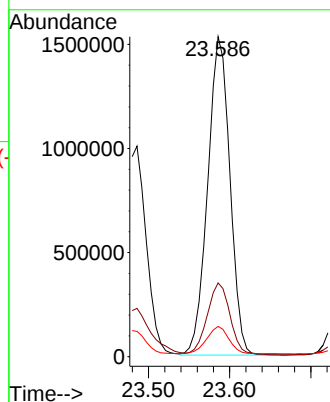
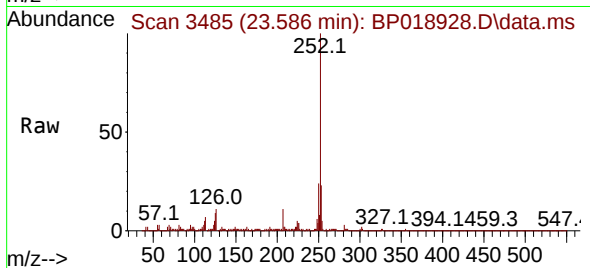
125 9.4 9.2 13.8

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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: 26.330 ng/ul

RT: 26.168 min Scan# 3924

Delta R.T. 0.047 min

Lab File: BP018928.D

Acq: 19 Dec 2023 03:13

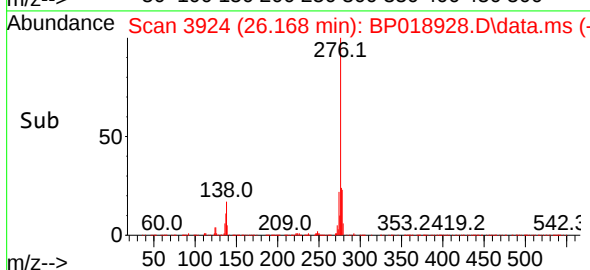
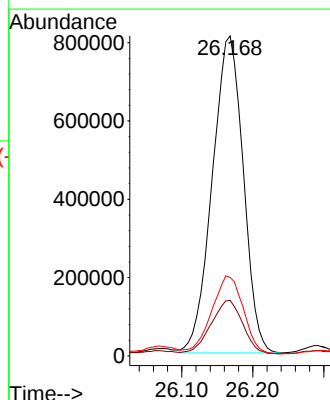
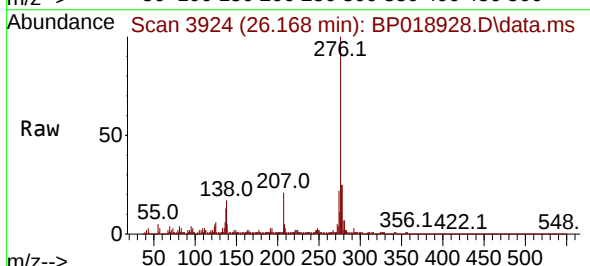
Tgt Ion:276 Resp: 2455481

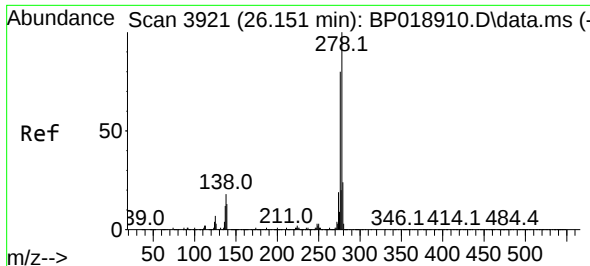
Ion Ratio Lower Upper

276 100

138 21.9 19.4 29.2

277 24.6 19.8 29.6





#95
Dibenzo(a,h)anthracene
Concen: 8.973 ng/ul
RT: 26.168 min Scan# 3921
Delta R.T. 0.029 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

Instrument :

BNA_P

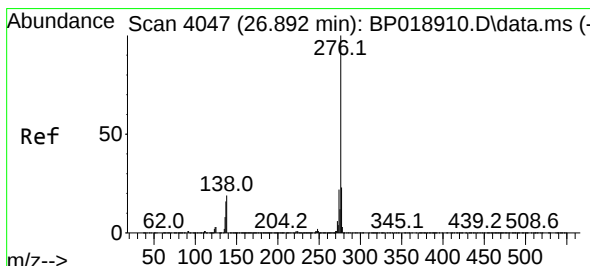
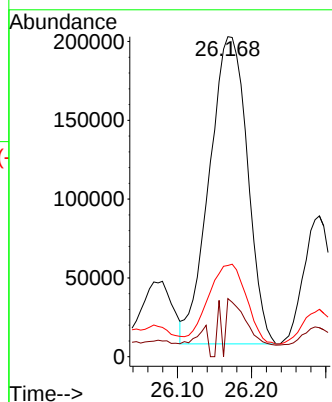
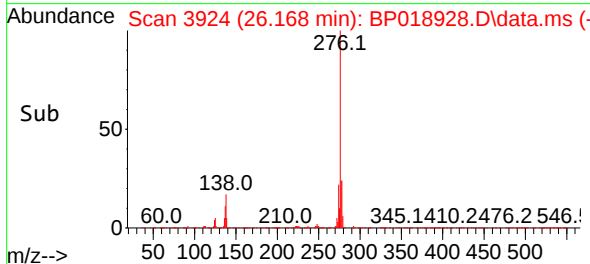
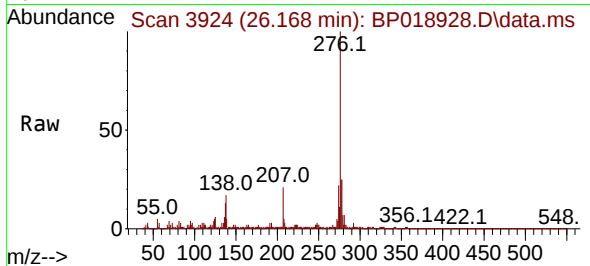
ClientSampleId :

BH3Q0

Tgt Ion:278 Resp: 696085
Ion Ratio Lower Upper
278 100
139 18.2 13.0 19.6
279 28.5 18.7 28.1

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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: 17.132 ng/ul
RT: 26.927 min Scan# 4053
Delta R.T. 0.053 min
Lab File: BP018928.D
Acq: 19 Dec 2023 03:13

Tgt Ion:276 Resp: 1285824
Ion Ratio Lower Upper
276 100
138 18.0 18.1 27.1#
277 24.7 19.4 29.0

