

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018916.D
 Acq On : 18 Dec 2023 20:26
 Operator : MA/JU
 Sample : 05794-24
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BGRG5

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 23:44:08 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	229934	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	886461	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	556846	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	1274682	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.310	240	1134465	20.000	ng/u1	0.00
88) Perylene-d12	23.686	264	1439718	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	13736	2.036	ng/uL	0.00
4) Pyridine-d5	3.687	84	30407	1.682	ng/u1	0.01
7) Phenol-d5	7.005	99	276690	11.991	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	155296	11.355	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	223007	12.386	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	207585	11.116	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	104517	13.247	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	115845	14.162	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	234775	14.036	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	133100	6.089	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	692915	13.942	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	811994	14.838	ng/u1	0.00
54) 4-Nitrophenol-d4	14.681	143	61686	7.561	ng/u1	0.01
60) Fluorene-d10	15.457	176	647525	15.522	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	22552	2.951	ng/u1	0.00
73) Anthracene-d10	17.316	188	1065104	15.894	ng/u1	0.00
81) Pyrene-d10	19.551	212	1230910	13.939	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.533	264	1249127	14.880	ng/u1	0.02
Target Compounds	Qvalue					
8) Phenol	7.034	94	24362	1.077	ng/u1	97
16) Acetophenone	8.658	105	124347	4.468	ng/u1	99
30) Naphthalene	10.675	128	145883	2.713	ng/u1	99
36) 2-Methylnaphthalene	12.287	142	53416	1.402	ng/u1	100
37) 1-Methylnaphthalene	12.504	142	59524	1.547	ng/u1	100
50) Acenaphthylene	14.187	152	181052	2.943	ng/u1	99
52) Acenaphthene	14.528	153	119268	2.932	ng/u1	95
56) Dibenzofuran	14.863	168	110332	1.951	ng/u1	99
61) Fluorene	15.510	166	169865	3.797	ng/u1	98
72) Phenanthrene	17.257	178	2897480	37.637	ng/u1	99
74) Anthracene	17.345	178	844594	10.945	ng/u1	100
77) Carbazole	17.622	167	239667	3.897	ng/u1	98
78) Di-n-butylphthalate	18.175	149	186684	2.280	ng/u1	97
80) Fluoranthene	19.233	202	5383537	51.574	ng/u1#	94
82) Pyrene	19.586	202	5287691	50.213	ng/u1#	93
85) Benzo(a)anthracene	21.298	228	3182099	34.557	ng/u1	97
87) Chrysene	21.351	228	3047486	35.938	ng/u1	97
90) Benzo(b)fluoranthene	22.963	252	4703483	44.309	ng/u1	97
91) Benzo(k)fluoranthene	23.004	252	1332848m	12.977	ng/u1	
93) Benzo(a)pyrene	23.586	252	3364994m	34.693	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.151	276	2522514	21.767	ng/u1#	92
95) Dibenzo(a,h)anthracene	26.157	278	686584	7.122	ng/u1#	90
96) Benzo(g,h,i)perylene	26.915	276	722302	7.745	ng/u1	93

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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

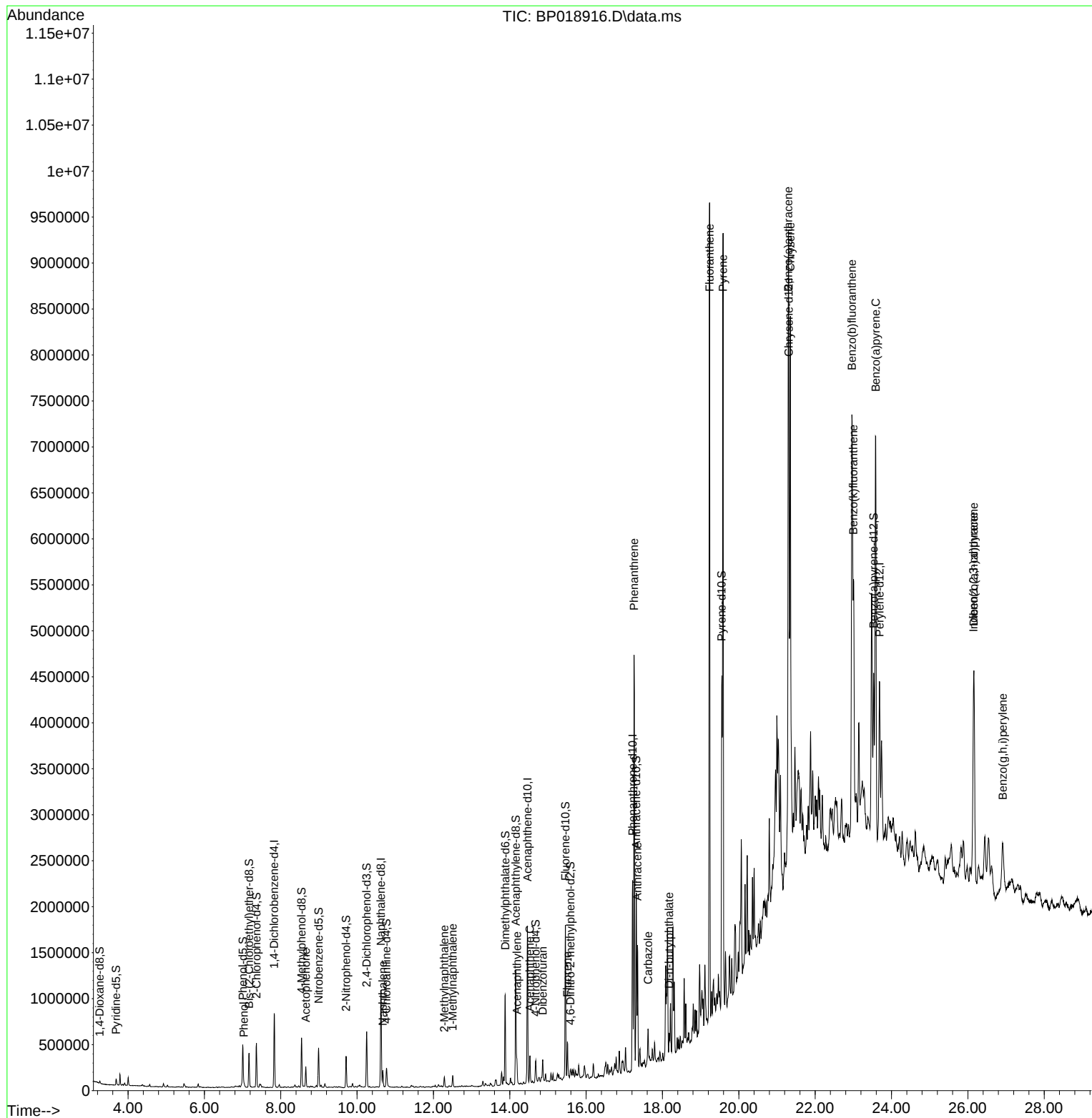
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
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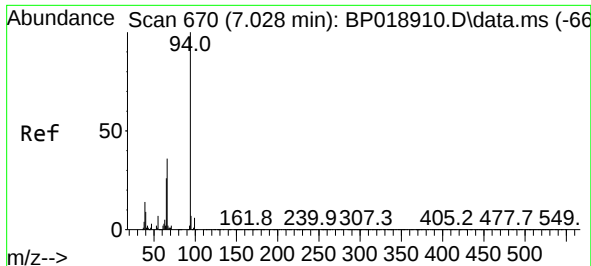
Instrument :
 BNA_P
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#8

Phenol

Concen: 1.077 ng/ul

RT: 7.034 min Scan# 61

Delta R.T. 0.006 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

Instrument :

BNA_P

ClientSampleId :

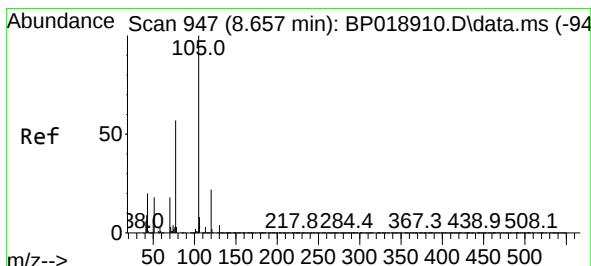
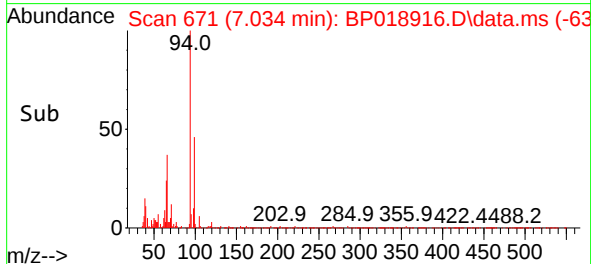
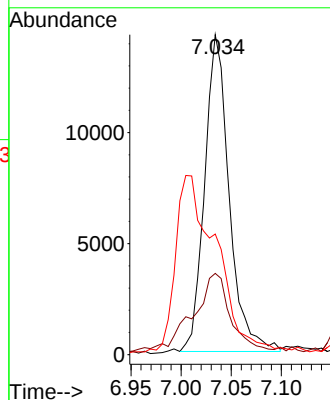
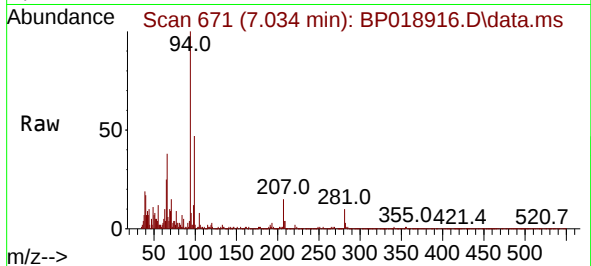
BGRG5

Tgt Ion: 94	Resp: 2436
Ion Ratio	Lower Upper
94 100	
65 25.4	21.0 31.6
66 37.7	28.6 43.0

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#16

Acetophenone

Concen: 4.468 ng/ul

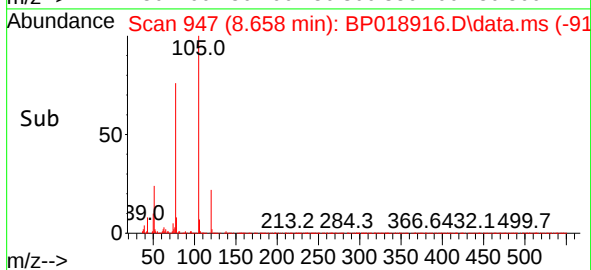
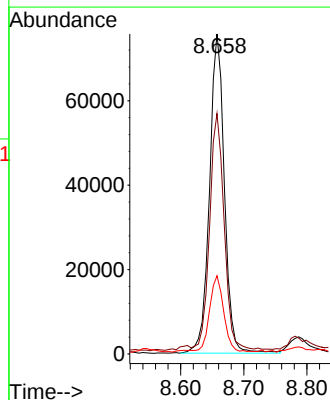
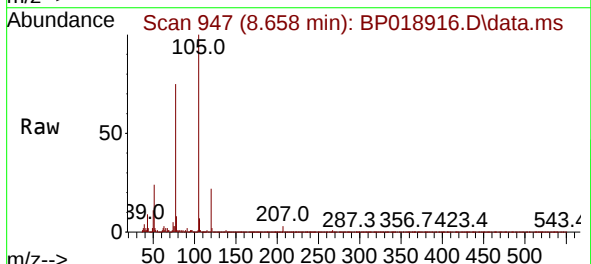
RT: 8.658 min Scan# 947

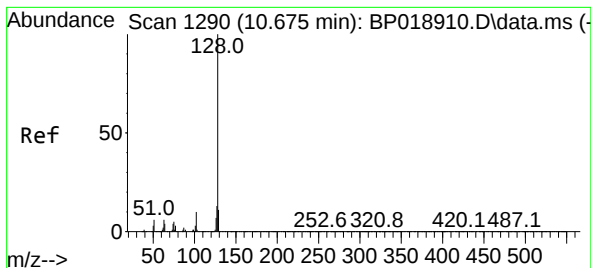
Delta R.T. 0.000 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

Tgt Ion:105	Resp: 124347
Ion Ratio	Lower Upper
105 100	
77 75.1	59.4 89.0
51 24.5	19.4 29.0





#30

Naphthalene

Concen: 2.713 ng/ul

RT: 10.675 min Scan# 1290

Delta R.T. 0.000 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

Instrument :

BNA_P

ClientSampleId :

BGRG5

Tgt Ion:128 Resp: 14588

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

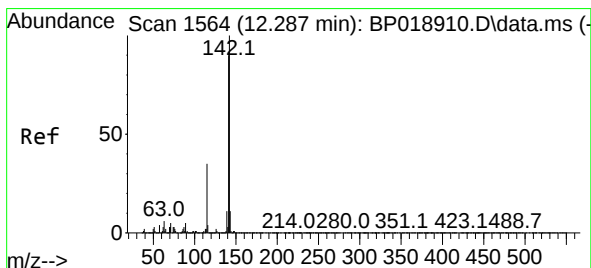
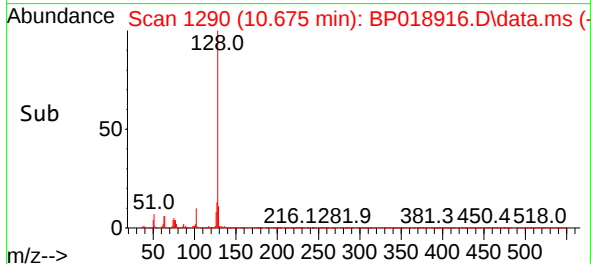
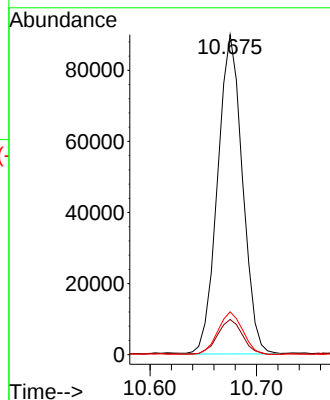
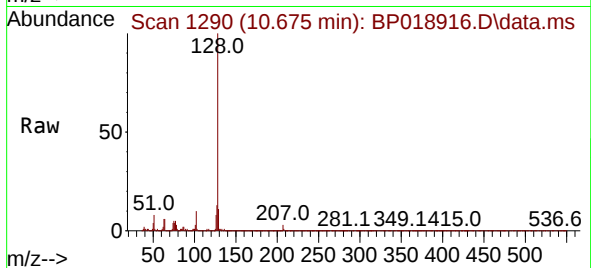
127 13.4 10.5 15.7

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#36

2-Methylnaphthalene

Concen: 1.402 ng/ul

RT: 12.287 min Scan# 1564

Delta R.T. 0.000 min

Lab File: BP018916.D

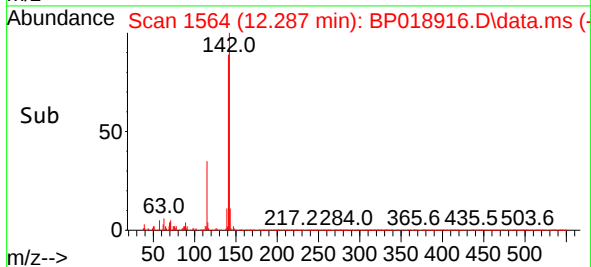
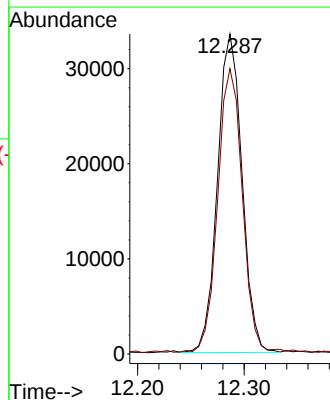
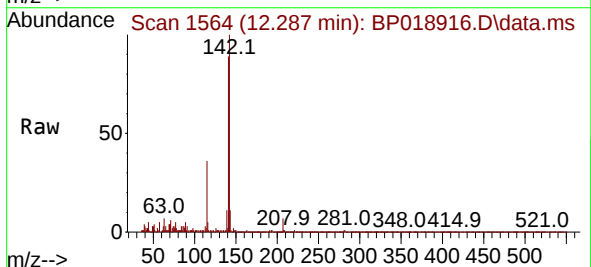
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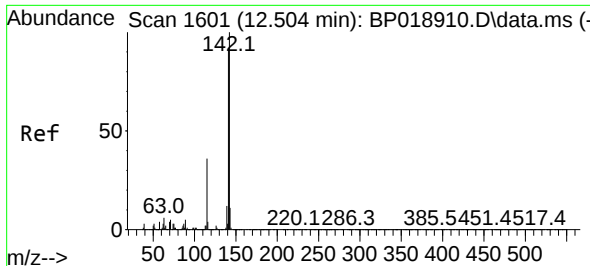
Tgt Ion:142 Resp: 53416

Ion Ratio Lower Upper

142 100

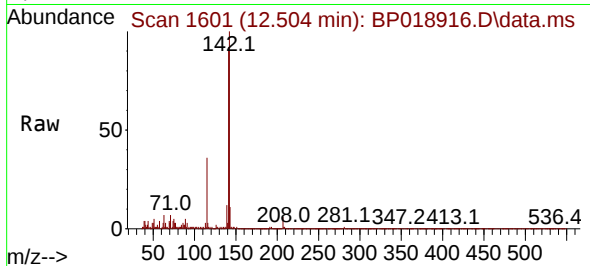
141 89.1 71.4 107.0





#37
1-Methylnaphthalene
Concen: 1.547 ng/ul
RT: 12.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BP018916.D
Acq: 18 Dec 2023 20:26

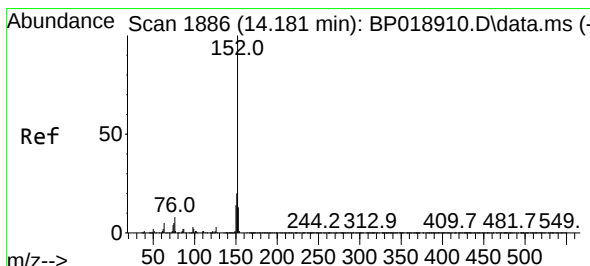
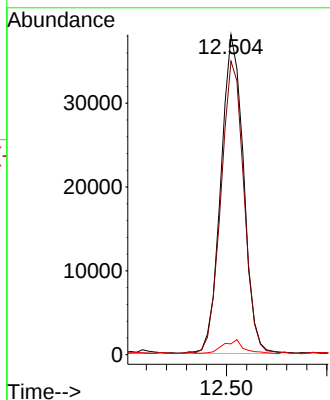
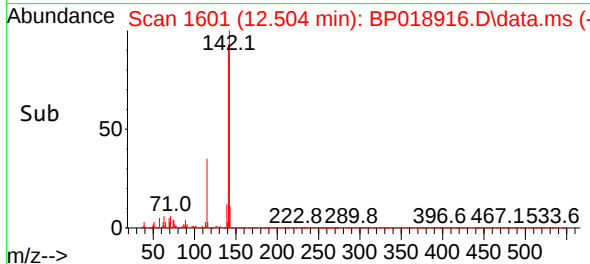
Instrument :
BNA_P
ClientSampleId :
BGRG5



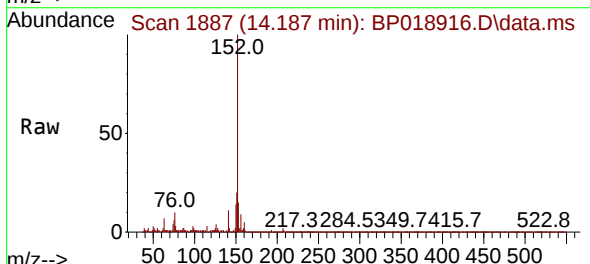
Tgt Ion:142 Resp: 59524
Ion Ratio Lower Upper
142 100
141 91.7 73.5 110.3
116 3.4 2.8 4.2

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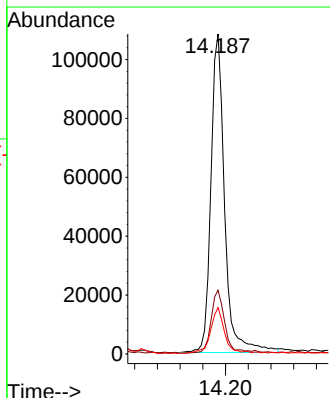
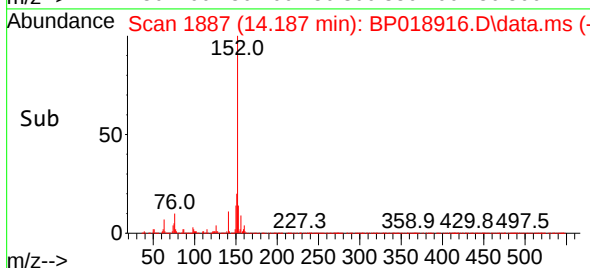
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

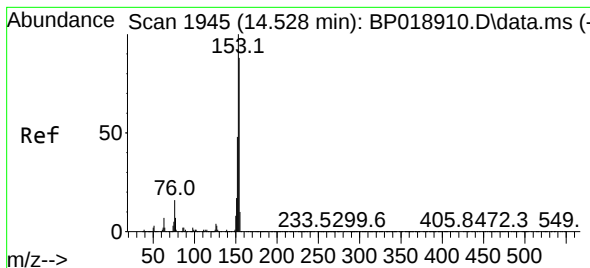


#50
Acenaphthylene
Concen: 2.943 ng/ul
RT: 14.187 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BP018916.D
Acq: 18 Dec 2023 20:26



Tgt Ion:152 Resp: 181052
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 14.5 10.6 16.0





#52

Acenaphthene

Concen: 2.932 ng/ul

RT: 14.528 min Scan# 1945

Delta R.T. 0.000 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

Instrument :

BNA_P

ClientSampleId :

BGRG5

Tgt Ion:153 Resp: 11926

Ion Ratio Lower Upper

153 100

152 45.8 38.1 57.1

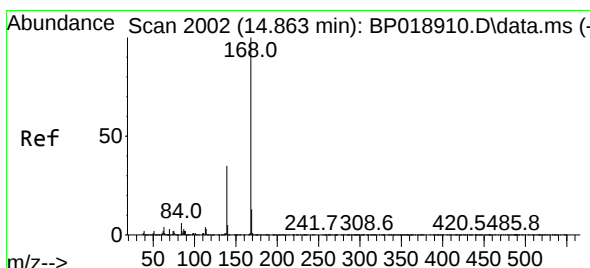
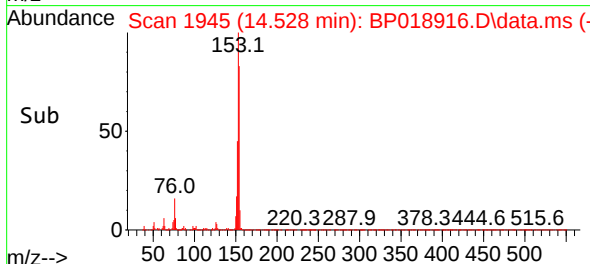
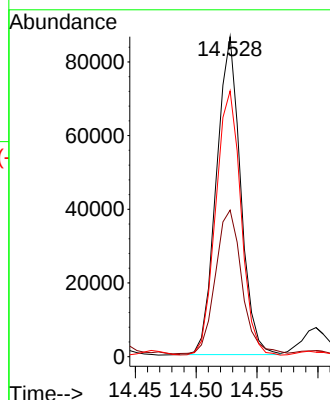
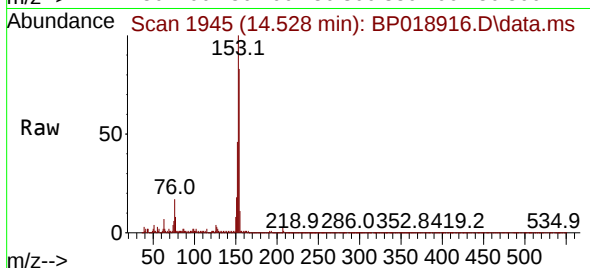
154 83.0 71.7 107.5

Manual Integrations

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#56

Dibenzofuran

Concen: 1.951 ng/ul

RT: 14.863 min Scan# 2002

Delta R.T. 0.000 min

Lab File: BP018916.D

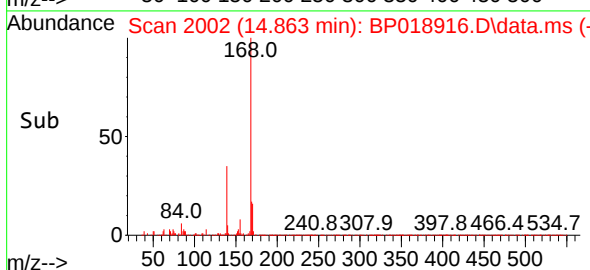
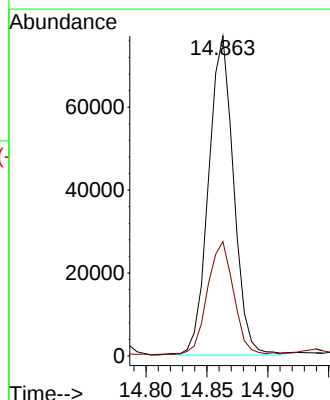
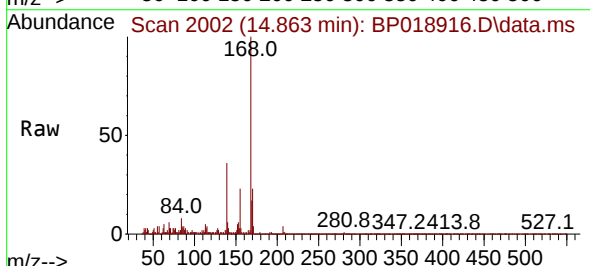
Acq: 18 Dec 2023 20:26

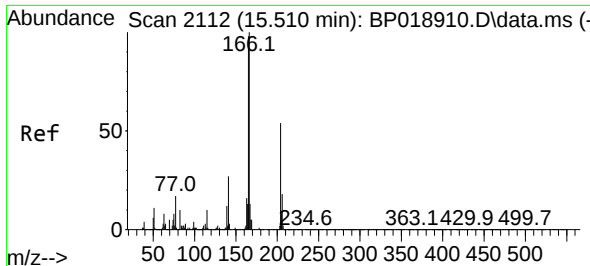
Tgt Ion:168 Resp: 110332

Ion Ratio Lower Upper

168 100

139 35.7 29.1 43.7





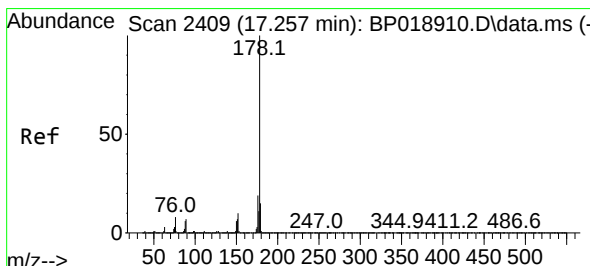
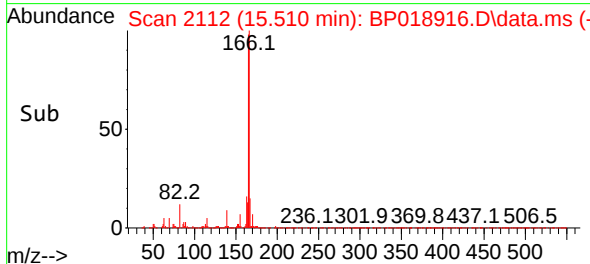
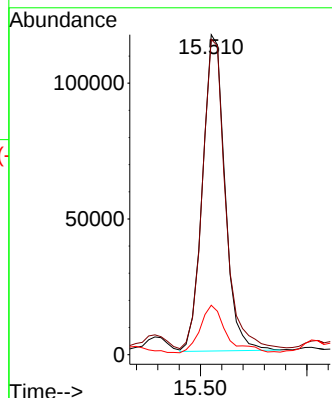
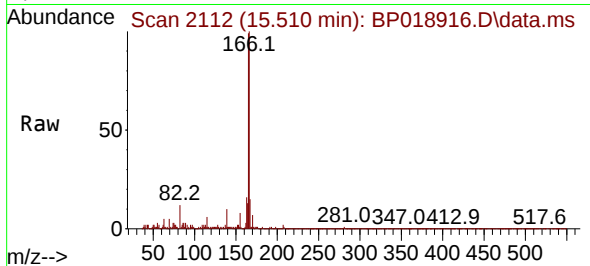
#61
Fluorene
Concen: 3.797 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018916.D
Acq: 18 Dec 2023 20:26

Instrument :
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BGRG5

Tgt Ion:166 Resp: 16986
Ion Ratio Lower Upper
166 100
165 98.5 78.0 117.0
167 15.5 10.8 16.2

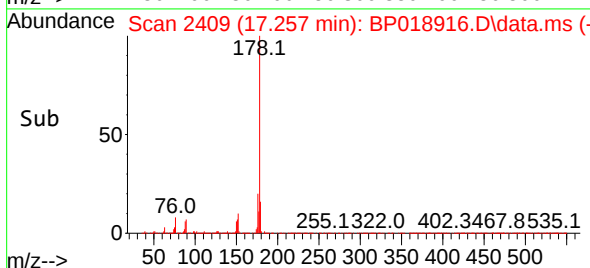
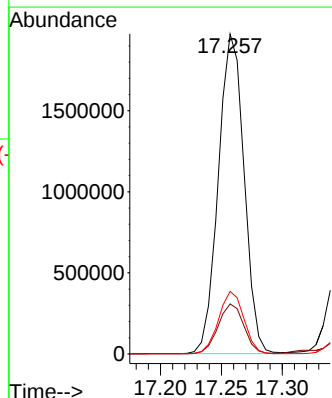
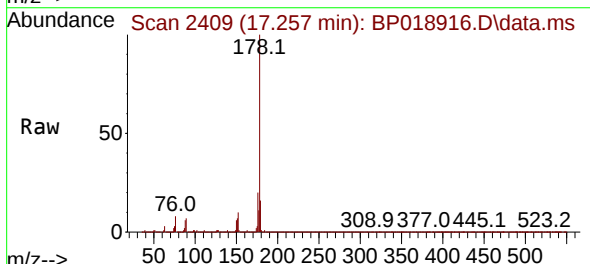
Manual Integrations
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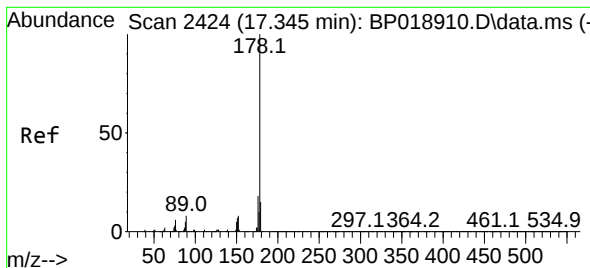
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#72
Phenanthrene
Concen: 37.637 ng/ul
RT: 17.257 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BP018916.D
Acq: 18 Dec 2023 20:26

Tgt Ion:178 Resp: 2897480
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 19.6 15.4 23.2





#74

Anthracene

Concen: 10.945 ng/ul

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

Instrument :

BNA_P

ClientSampleId :

BGRG5

Tgt Ion:178 Resp: 844594

Ion Ratio Lower Upper

178 100

179 15.9 12.5 18.7

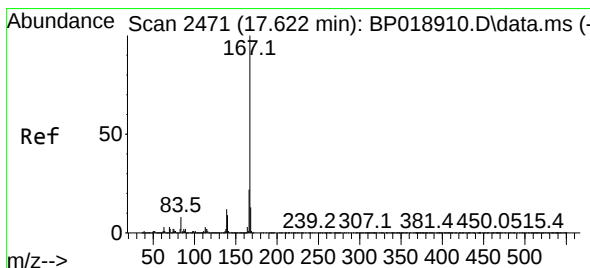
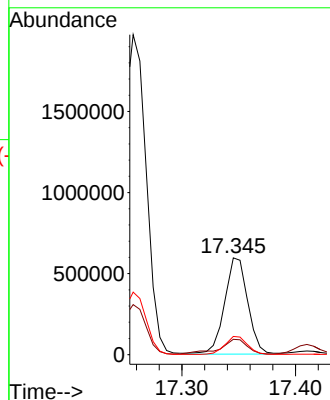
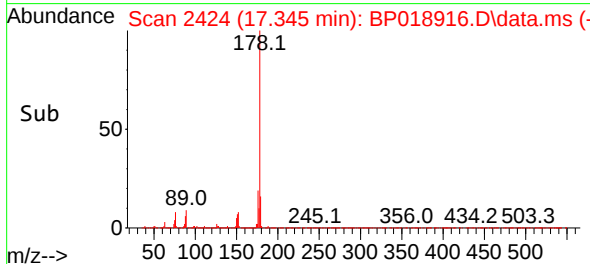
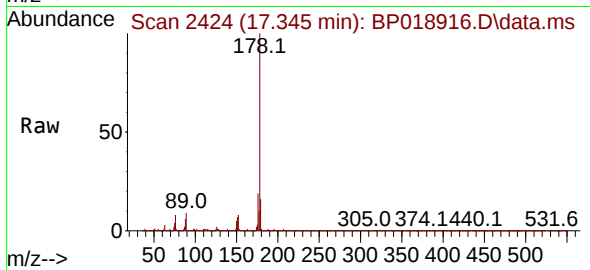
176 18.9 15.0 22.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#77

Carbazole

Concen: 3.897 ng/ul

RT: 17.622 min Scan# 2471

Delta R.T. 0.000 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

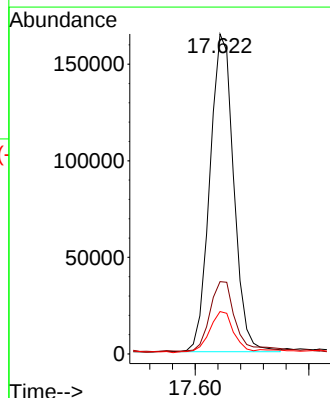
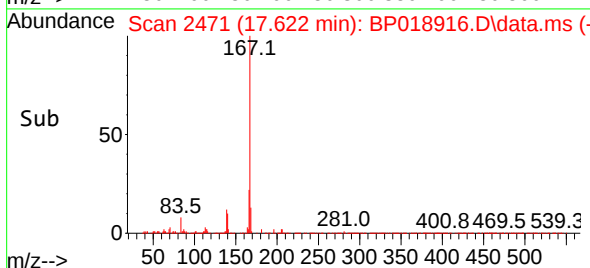
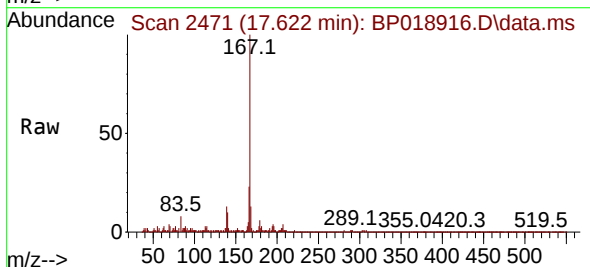
Tgt Ion:167 Resp: 239667

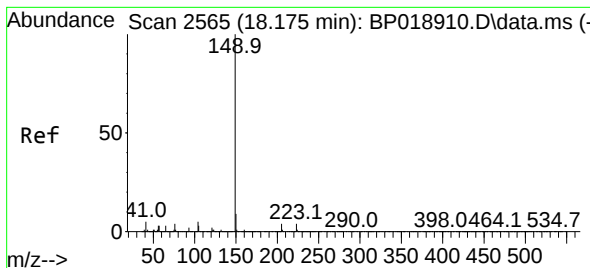
Ion Ratio Lower Upper

167 100

166 22.6 17.1 25.7

139 13.2 10.2 15.4





#78

Di-n-butylphthalate

Concen: 2.280 ng/ul

RT: 18.175 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP018916.D

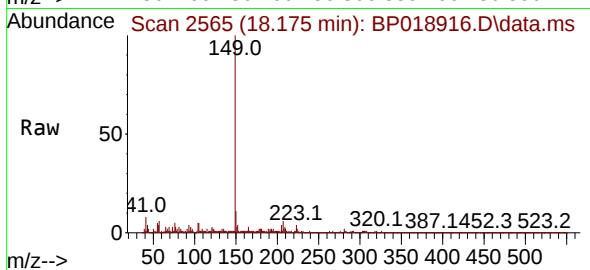
Acq: 18 Dec 2023 20:26

Instrument :

BNA_P

ClientSampleId :

BGRG5



Tgt Ion:149 Resp: 186684

Ion Ratio Lower Upper

149 100

150 10.8 7.4 11.2

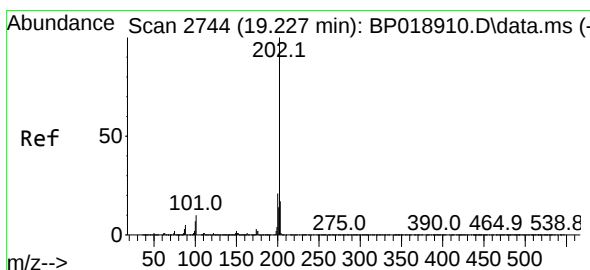
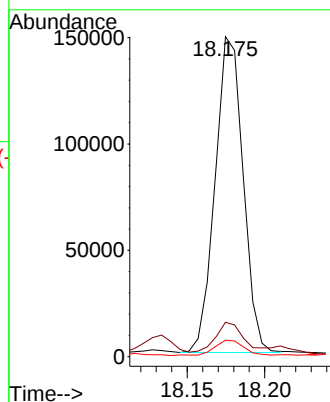
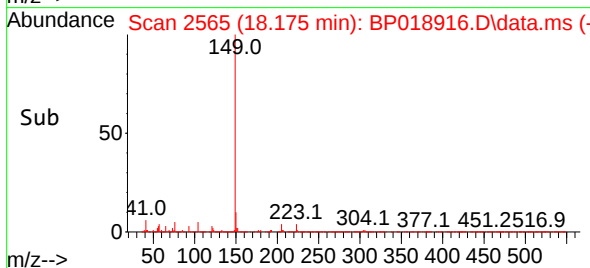
104 5.1 3.9 5.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#80

Fluoranthene

Concen: 51.574 ng/ul

RT: 19.233 min Scan# 2745

Delta R.T. 0.006 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

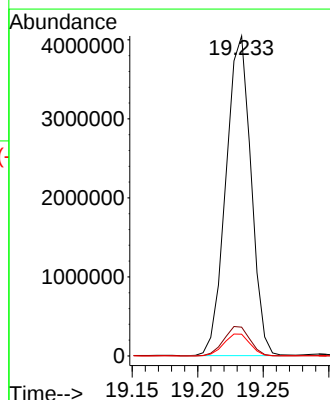
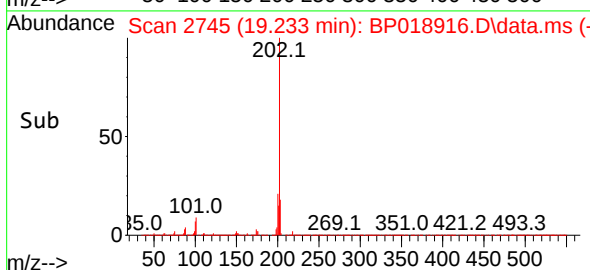
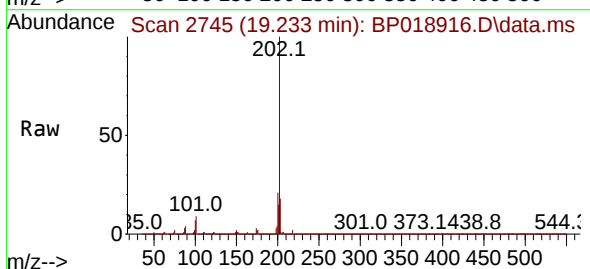
Tgt Ion:202 Resp: 5383537

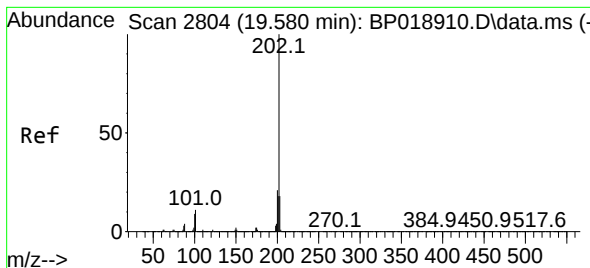
Ion Ratio Lower Upper

202 100

101 9.0 9.1 13.7#

100 6.8 7.1 10.7#





#82

Pyrene

Concen: 50.213 ng/ul

RT: 19.586 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

Instrument :

BNA_P

ClientSampleId :

BGRG5

Tgt Ion:202 Resp: 528769

Ion Ratio Lower Upper

202 100

101 10.7 11.0 16.4

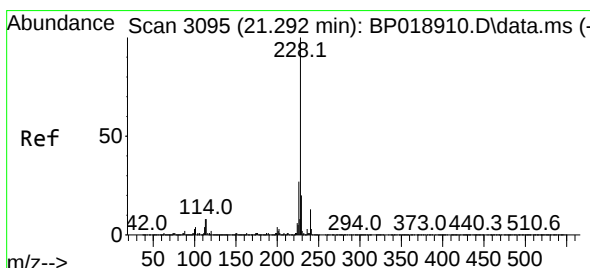
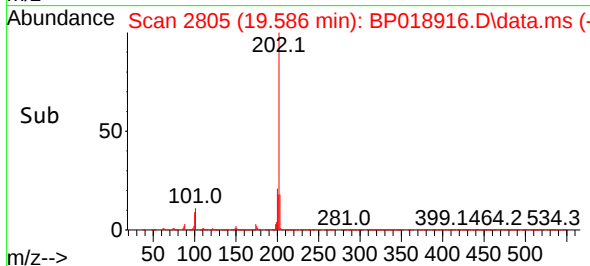
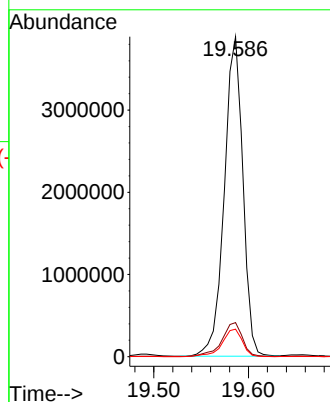
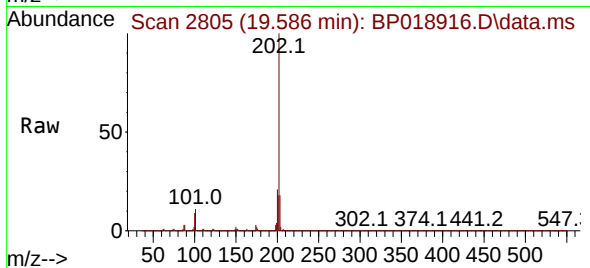
100 8.6 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#85

Benzo(a)anthracene

Concen: 34.557 ng/ul

RT: 21.298 min Scan# 3096

Delta R.T. 0.012 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

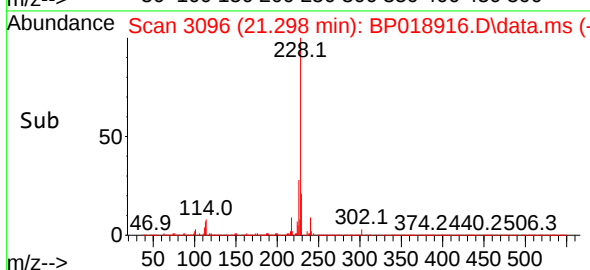
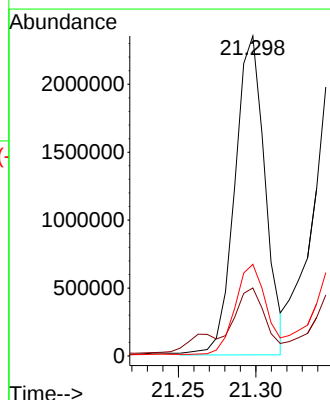
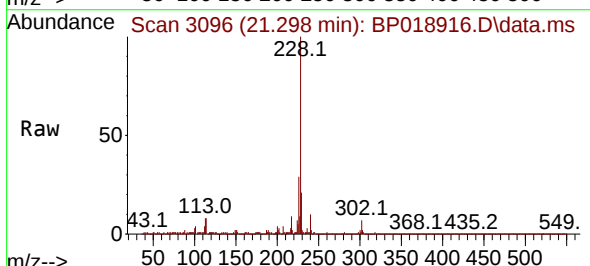
Tgt Ion:228 Resp: 3182099

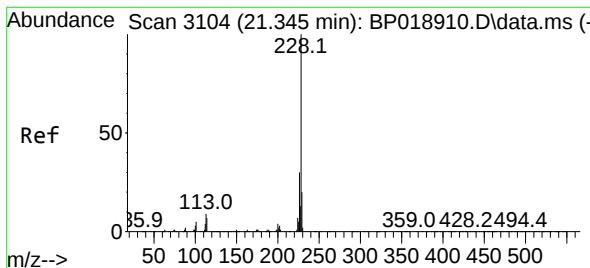
Ion Ratio Lower Upper

228 100

229 21.2 15.7 23.5

226 28.7 21.9 32.9





#87

Chrysene

Concen: 35.938 ng/u1

RT: 21.351 min Scan# 3104

Delta R.T. 0.012 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

Instrument :

BNA_P

ClientSampleId :

BGRG5

Tgt Ion:228 Resp: 304748

Ion Ratio Lower Upper

228 100

226 30.3 23.9 35.9

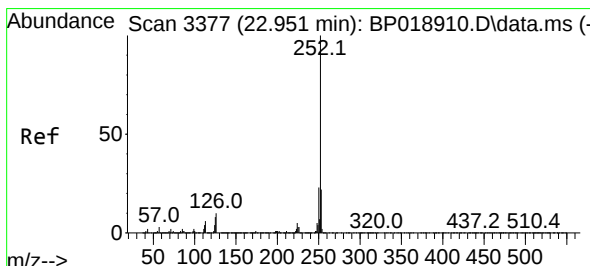
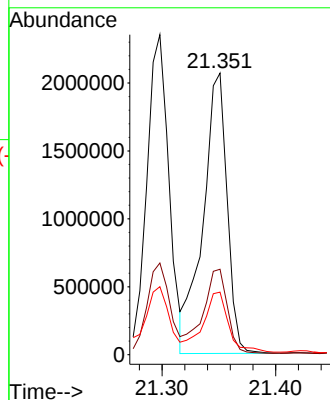
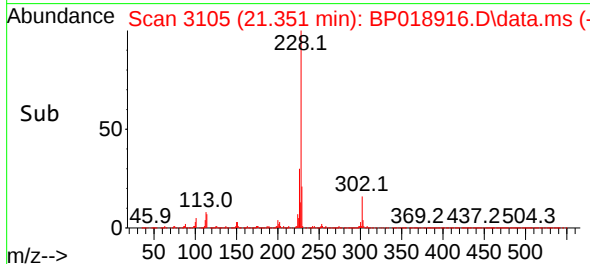
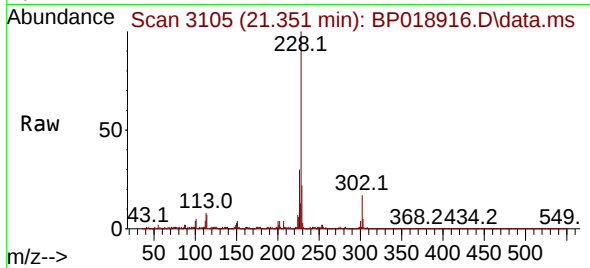
229 22.2 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#90

Benzo(b)fluoranthene

Concen: 44.309 ng/u1

RT: 22.963 min Scan# 3379

Delta R.T. 0.018 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

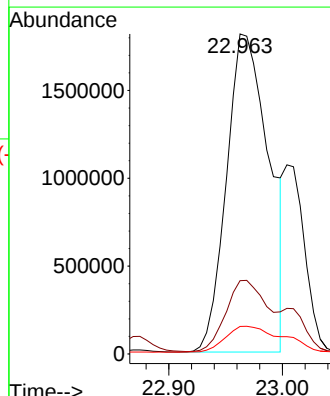
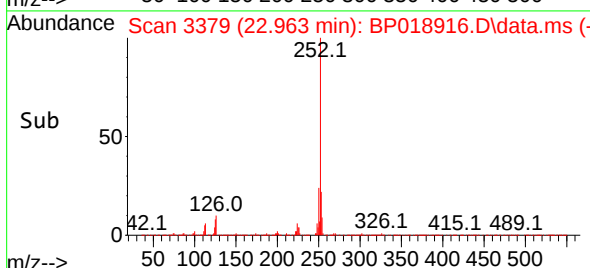
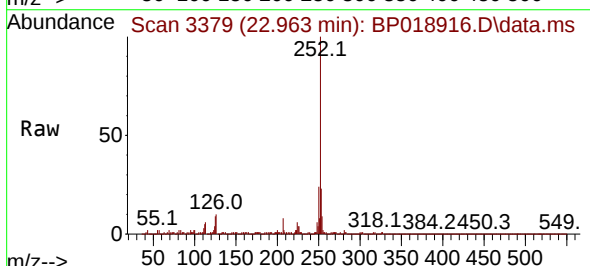
Tgt Ion:252 Resp: 4703483

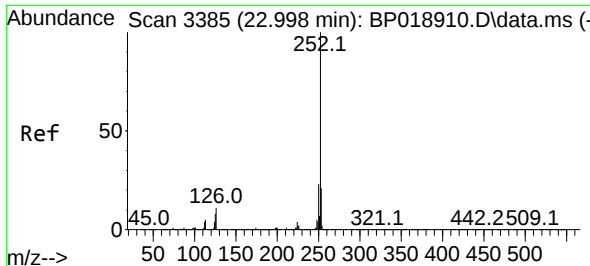
Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 8.6 7.8 11.6





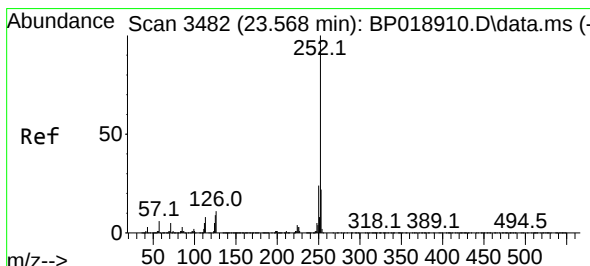
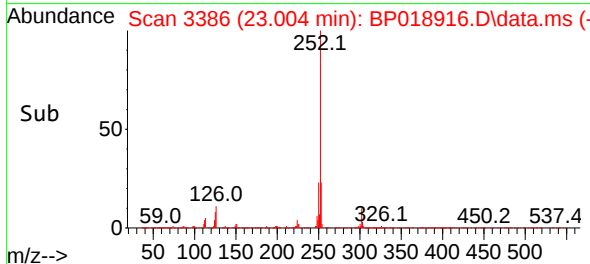
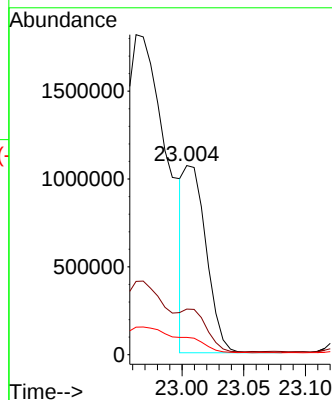
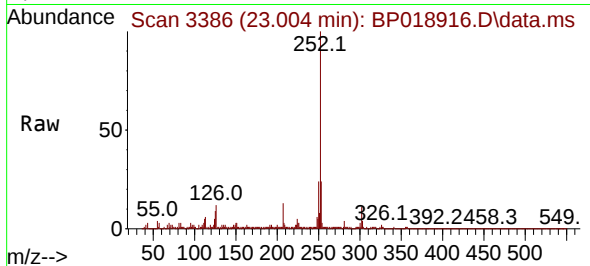
#91
Benzo(k)fluoranthene
Concen: 12.977 ng/ul m
RT: 23.004 min Scan# 3385
Delta R.T. 0.012 min
Lab File: BP018916.D
Acq: 18 Dec 2023 20:26

Instrument :
BNA_P
ClientSampleId :
BGRG5

Tgt Ion:252 Resp: 1332844
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 9.2 8.0 12.0

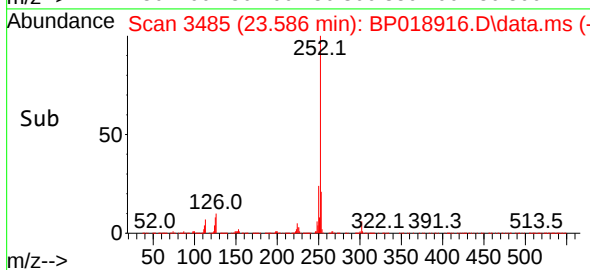
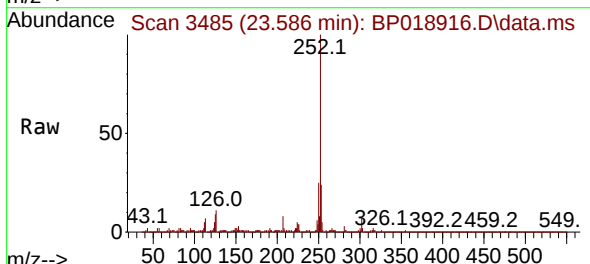
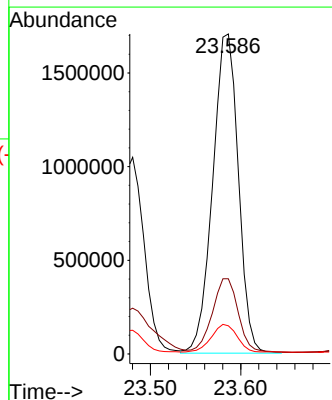
Manual Integrations
APPROVED

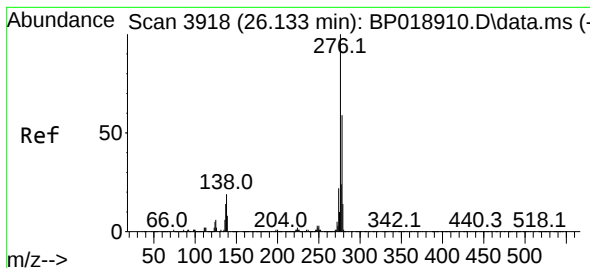
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#93
Benzo(a)pyrene
Concen: 34.693 ng/ul m
RT: 23.586 min Scan# 3485
Delta R.T. 0.024 min
Lab File: BP018916.D
Acq: 18 Dec 2023 20:26

Tgt Ion:252 Resp: 3364994
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 8.8 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 21.767 ng/ul

RT: 26.151 min Scan# 3918

Delta R.T. 0.030 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

Instrument :

BNA_P

ClientSampleId :

BGRG5

Tgt Ion:276 Resp: 2522514

Ion Ratio Lower Upper

276 100

138 17.4 19.4 29.2

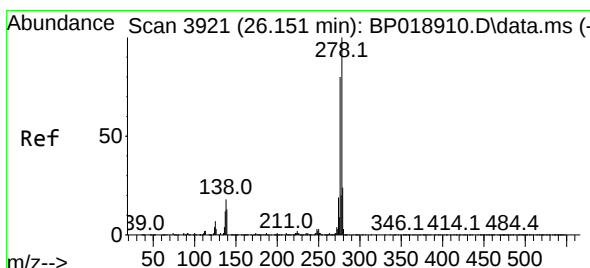
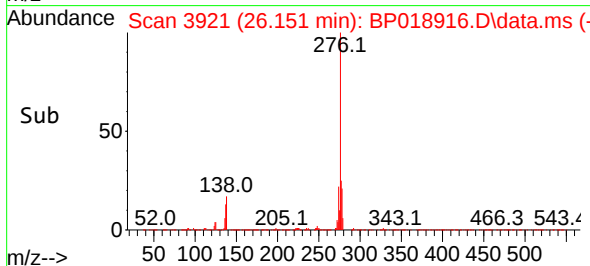
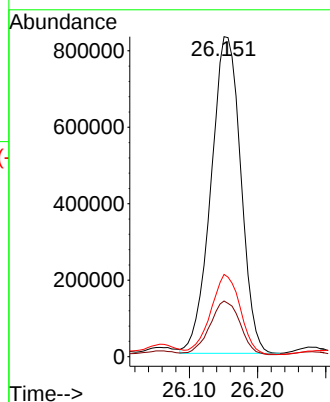
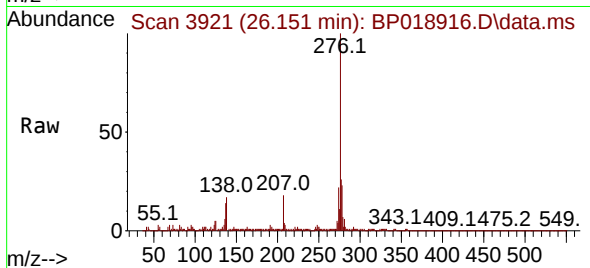
277 25.7 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#95

Dibenzo(a,h)anthracene

Concen: 7.122 ng/ul

RT: 26.157 min Scan# 3922

Delta R.T. 0.018 min

Lab File: BP018916.D

Acq: 18 Dec 2023 20:26

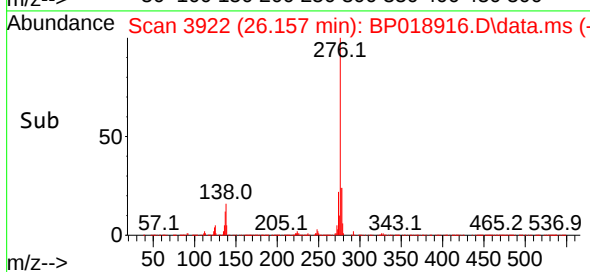
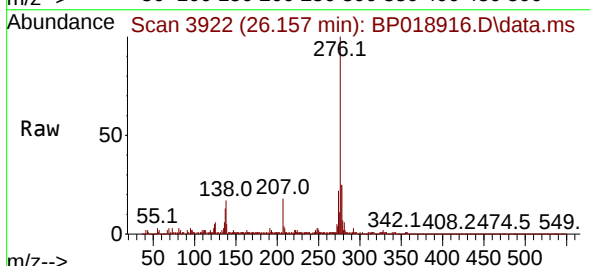
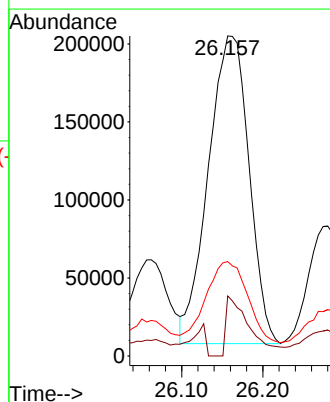
Tgt Ion:278 Resp: 686584

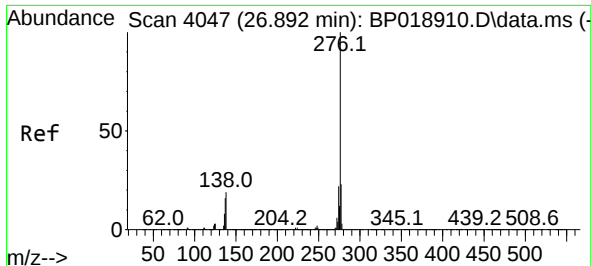
Ion Ratio Lower Upper

278 100

139 18.7 13.0 19.6

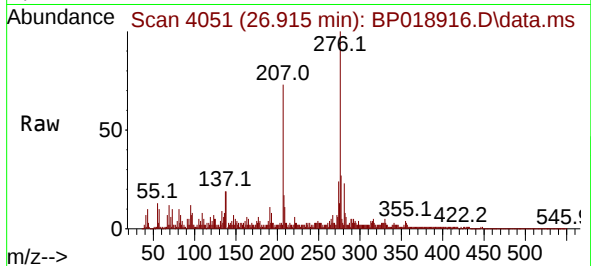
279 29.5 18.7 28.1#





#96
 Benzo(g,h,i)perylene
 Concen: 7.745 ng/ul
 RT: 26.915 min Scan# 4051
 Delta R.T. 0.041 min
 Lab File: BP018916.D
 Acq: 18 Dec 2023 20:26

Instrument :
 BNA_P
 ClientSampleId :
 BGRG5



Tgt Ion:	276	Resp:	72230
Ion Ratio	Lower	Upper	
276	100		
138	18.8	18.1	27.1
277	26.9	19.4	29.0

Manual Integrations
 APPROVED

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

