

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018937.D
 Acq On : 19 Dec 2023 08:53
 Operator : MA/JU
 Sample : 05626-10DL 10X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF6DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 22:00:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 19 05:28:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	208500	20.000	ng/ul	0.00
20) Naphthalene-d8	10.634	136	738482	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.469	164	506152	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.233	188	888742	20.000	ng/ul	0.02
79) Chrysene-d12	21.321	240	939396	20.000	ng/ul	# 0.00
88) Perylene-d12	23.686	264	1242109	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	2348	0.384	ng/uL	0.00
4) Pyridine-d5	3.687	84	21265	1.298	ng/ul	0.00
7) Phenol-d5	7.010	99	48036	2.296	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	28032	2.260	ng/ul	0.00
11) 2-Chlorophenol-d4	7.363	132	39015	2.390	ng/ul	0.00
15) 4-Methylphenol-d8	8.552	113	36490	2.155	ng/ul	0.00
21) Nitrobenzene-d5	8.993	128	20085	3.056	ng/ul	0.00
24) 2-Nitrophenol-d4	9.716	143	17177	2.521	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	36194	2.598	ng/ul	0.00
31) 4-Chloroaniline-d4	10.781	131	44384	2.437	ng/ul	0.00
46) Dimethylphthalate-d6	13.892	166	127138	2.814	ng/ul	0.01
49) Acenaphthylene-d8	14.157	160	120505	2.423	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
60) Fluorene-d10	15.463	176	100426	2.648	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.357	188	137581m	2.945	ng/ul	0.04
81) Pyrene-d10	19.569	212	173807	2.377	ng/ul	0.01
92) Benzo(a)pyrene-d12	23.527	264	202385	2.794	ng/ul	0.00
Target Compounds	Qvalue					
30) Naphthalene	10.693	128	27316913m	609.765	ng/ul	
36) 2-Methylnaphthalene	12.316	142	16148278	508.807	ng/ul	100
37) 1-Methylnaphthalene	12.522	142	9268882	289.190	ng/ul	99
50) Acenaphthylene	14.192	152	999773	17.876	ng/ul#	88
52) Acenaphthene	14.569	153	22831552	617.430	ng/ul	98
61) Fluorene	15.551	166	23872879	587.033	ng/ul	99
72) Phenanthrene	17.275	178	47106724m	877.613	ng/ul	
74) Anthracene	17.386	178	14582076	271.026	ng/ul#	93
80) Fluoranthene	19.239	202	33192875m	384.015	ng/ul	
82) Pyrene	19.598	202	27437906m	314.661	ng/ul	
85) Benzo(a)anthracene	21.304	228	13805882	181.062	ng/ul	95
87) Chrysene	21.363	228	11983352m	170.661	ng/ul	
90) Benzo(b)fluoranthene	22.968	252	8588173	93.776	ng/ul	96
91) Benzo(k)fluoranthene	23.010	252	2792617	31.515	ng/ul	97
93) Benzo(a)pyrene	23.586	252	4940191m	59.036	ng/ul	
94) Indeno(1,2,3-cd)pyrene	26.145	276	1646639	16.469	ng/ul#	93
95) Dibenzo(a,h)anthracene	26.145	278	452623	5.442	ng/ul#	78
96) Benzo(g,h,i)perylene	26.903	276	692699	8.609	ng/ul#	93

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

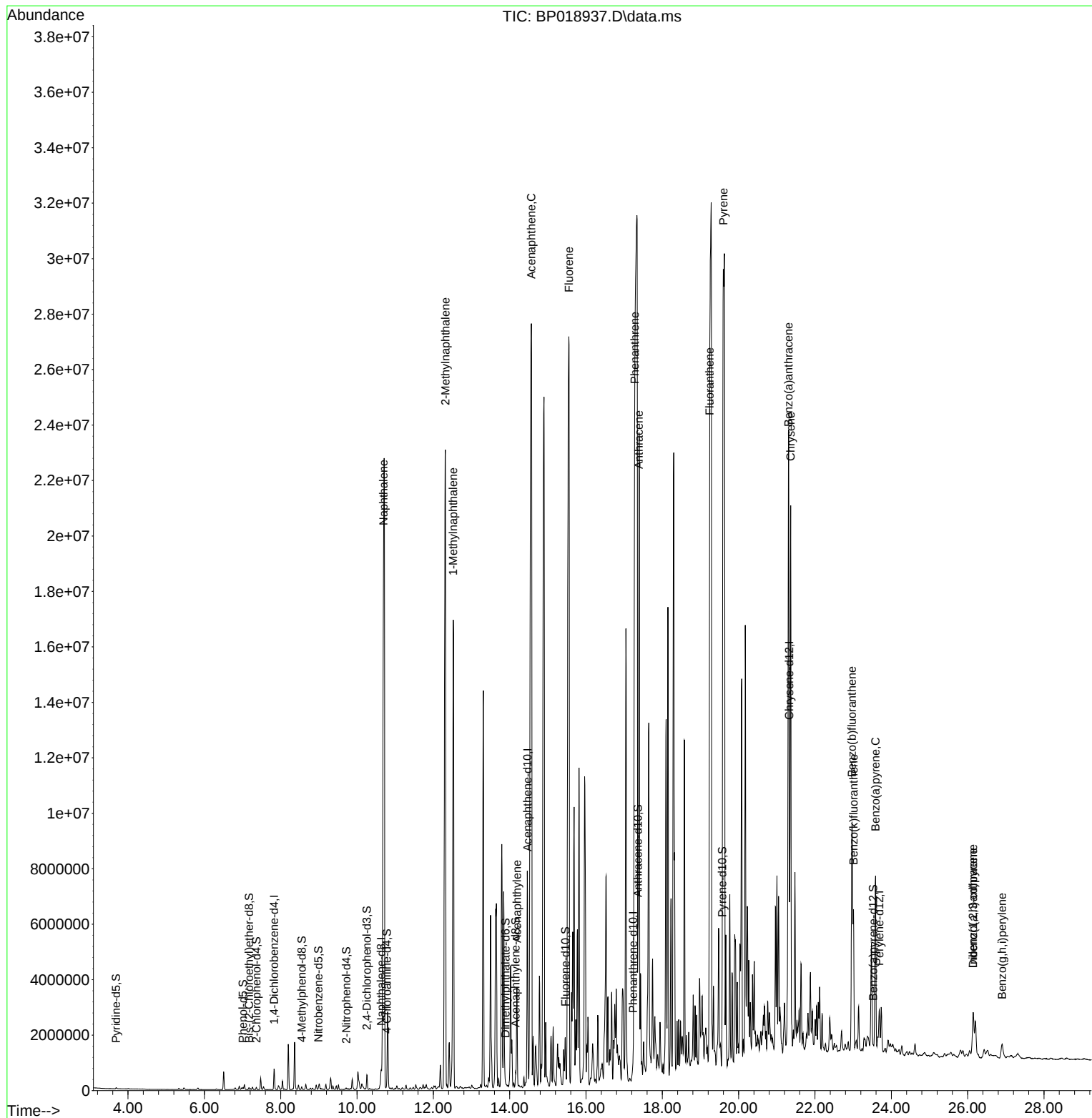
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018937.D
 Acq On : 19 Dec 2023 08:53
 Operator : MA/JU
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 Misc :
 ALS Vial : 41 Sample Multiplier: 1

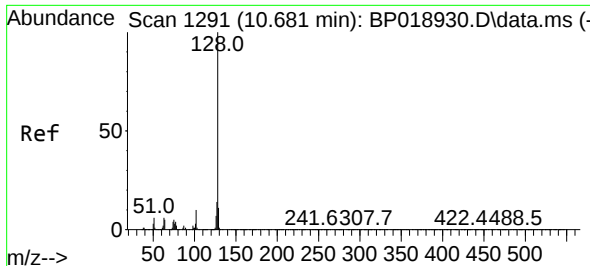
Instrument :
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 ClientSampleId :
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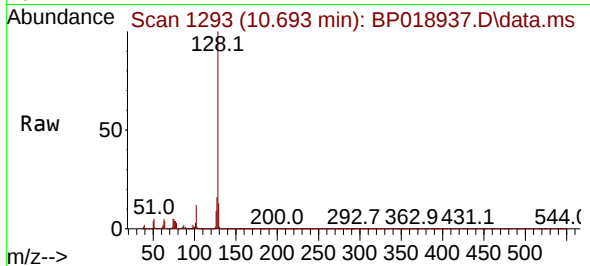
Quant Time: Dec 19 22:00:14 2023
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 Quant Title : SVOA CALIBRATION
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#30
Naphthalene
Concen: 609.765 ng/ul m
RT: 10.693 min Scan# 1293
Delta R.T. 0.012 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

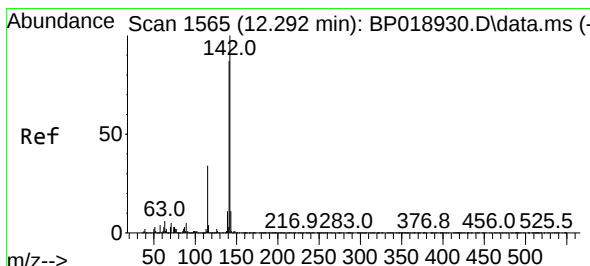
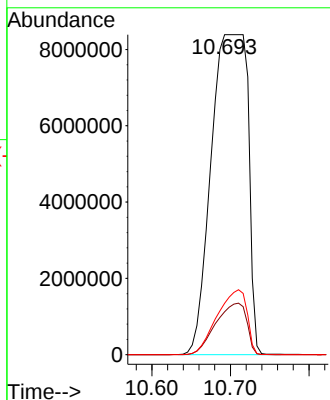
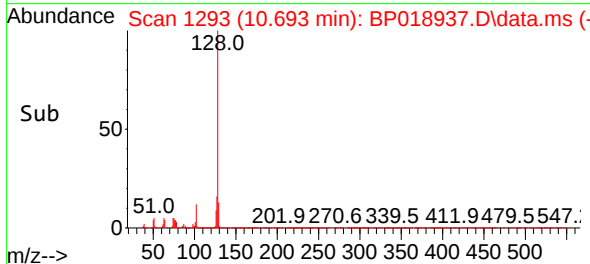
Instrument :
BNA_P
ClientSampleId :
DCLF6DL



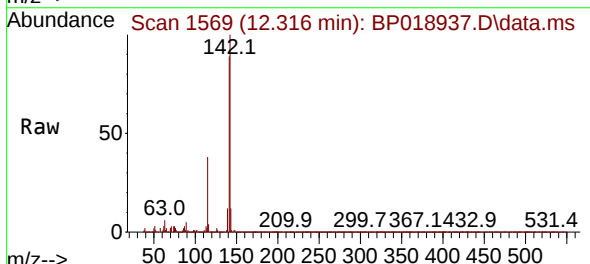
Tgt Ion:128 Resp:2731691
Ion Ratio Lower Upper
128 100
129 13.4 8.9 13.3
127 16.1 10.5 15.7

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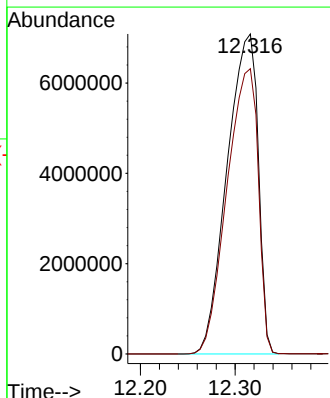
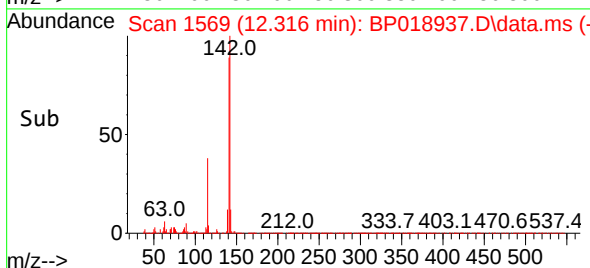
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023

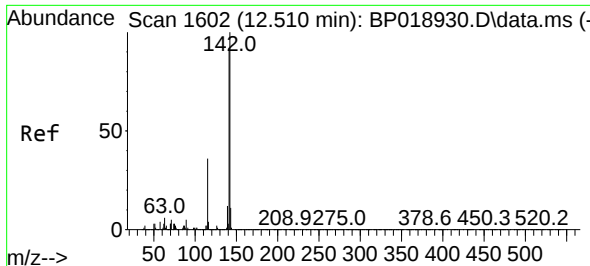


#36
2-Methylnaphthalene
Concen: 508.807 ng/ul
RT: 12.316 min Scan# 1569
Delta R.T. 0.024 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53



Tgt Ion:142 Resp:16148278
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.0





#37

1-Methylnaphthalene

Concen: 289.190 ng/ul

RT: 12.522 min Scan# 1604

Delta R.T. 0.012 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

Instrument :

BNA_P

ClientSampleId :

DCLF6DL

Tgt Ion:142 Resp: 926888

Ion Ratio Lower Upper

142 100

141 92.6 73.5 110.3

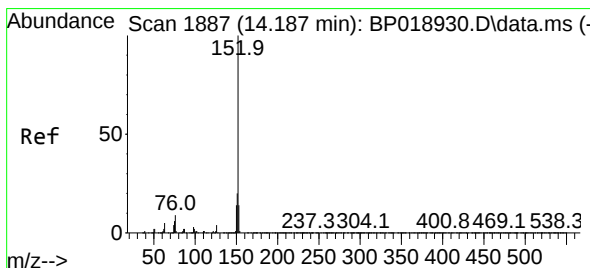
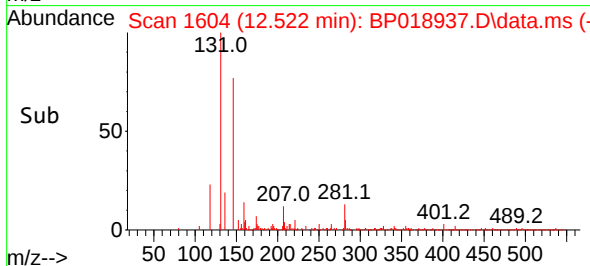
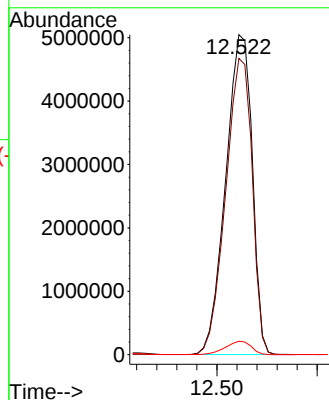
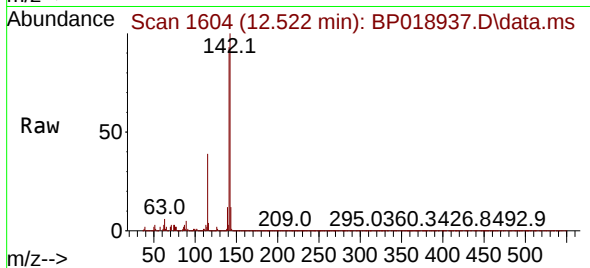
116 4.2 2.8 4.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#50

Acenaphthylene

Concen: 17.876 ng/ul

RT: 14.192 min Scan# 1888

Delta R.T. 0.006 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

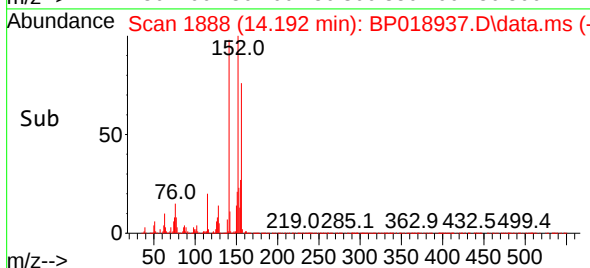
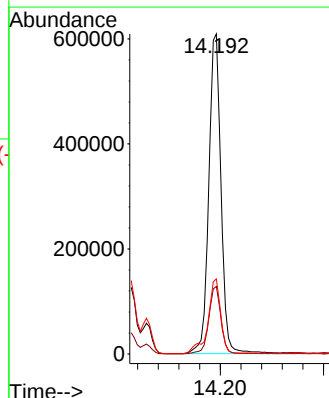
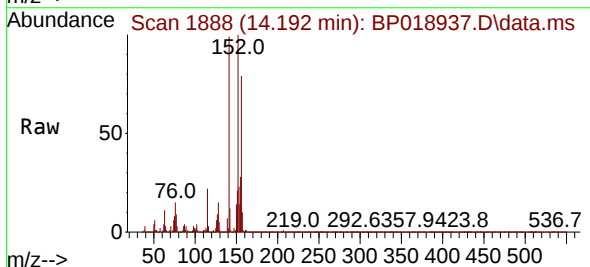
Tgt Ion:152 Resp: 999773

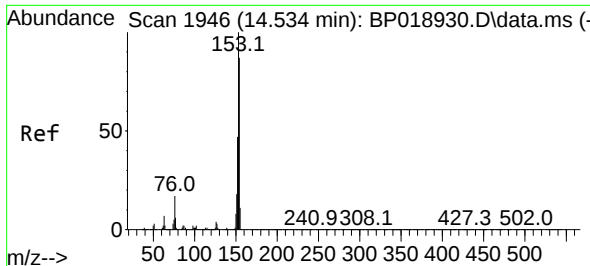
Ion Ratio Lower Upper

152 100

151 21.1 15.9 23.9

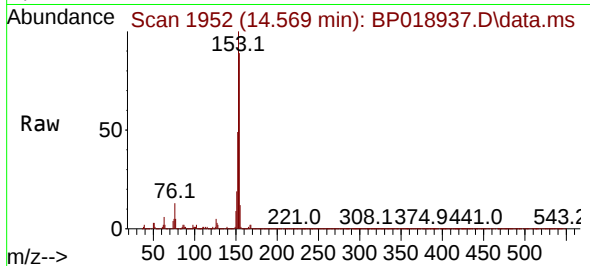
153 23.4 10.6 16.0#





#52
Acenaphthene
Concen: 617.430 ng/u1
RT: 14.569 min Scan# 1952
Delta R.T. 0.035 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

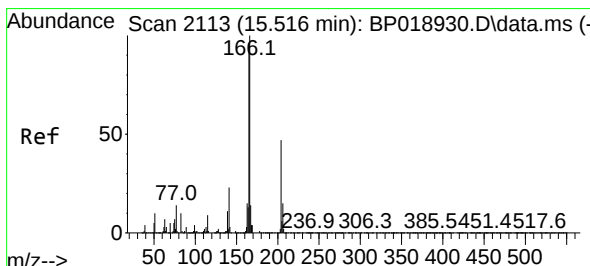
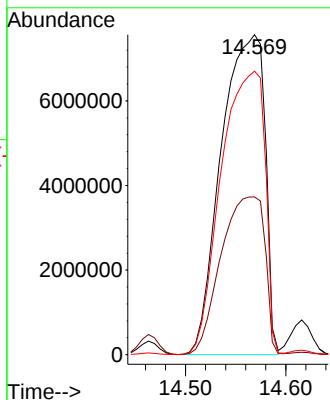
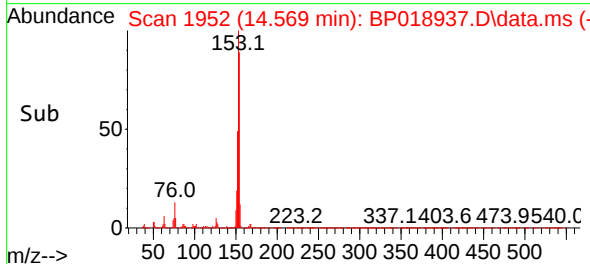
Instrument :
BNA_P
ClientSampleId :
DCLF6DL



Tgt Ion:153 Resp:2283155
Ion Ratio Lower Upper
153 100
152 49.3 38.1 57.1
154 88.6 71.7 107.5

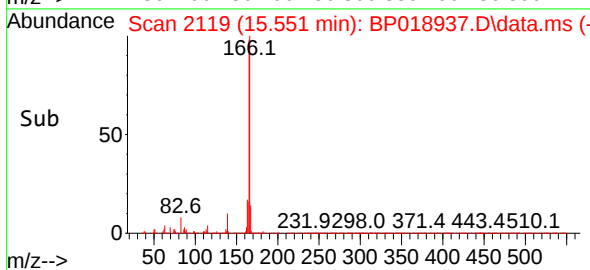
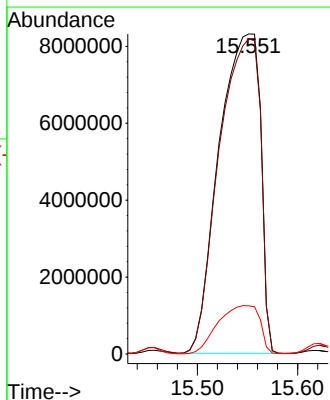
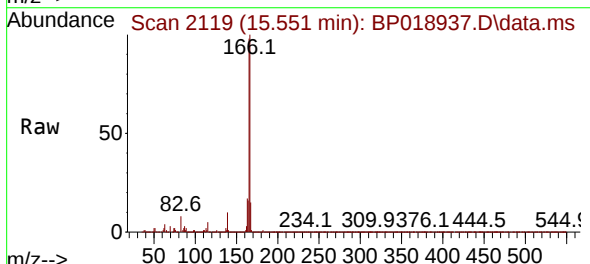
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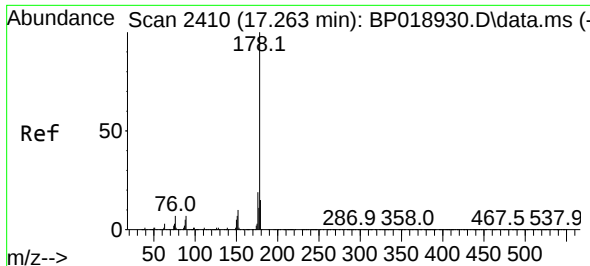
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#61
Fluorene
Concen: 587.033 ng/u1
RT: 15.551 min Scan# 2119
Delta R.T. 0.035 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

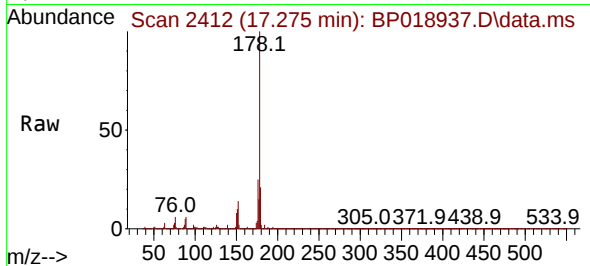
Tgt Ion:166 Resp:23872879
Ion Ratio Lower Upper
166 100
165 98.4 78.0 117.0
167 15.0 10.8 16.2





#72
Phenanthrene
Concen: 877.613 ng/ul m
RT: 17.275 min Scan# 2410
Delta R.T. 0.012 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

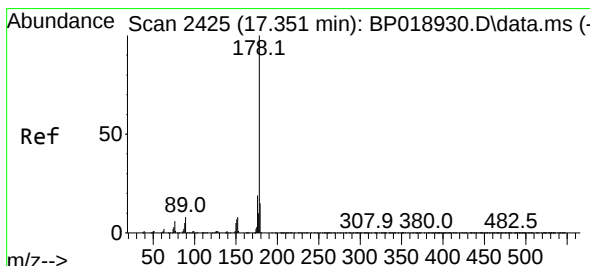
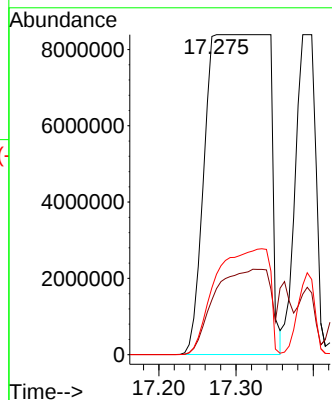
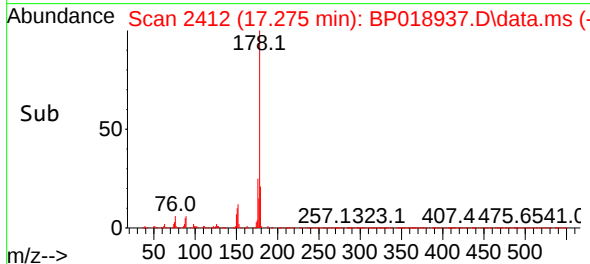
Instrument :
BNA_P
ClientSampleId :
DCLF6DL



Tgt Ion:178 Resp:47106724
Ion Ratio Lower Upper
178 100
179 20.7 12.3 18.5
176 25.2 15.4 23.2

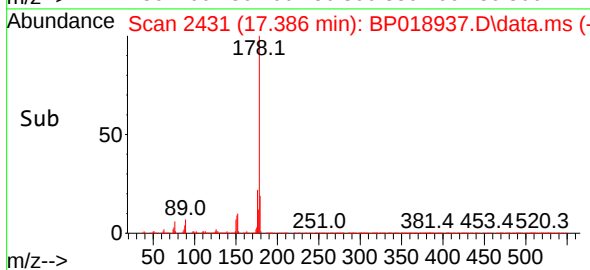
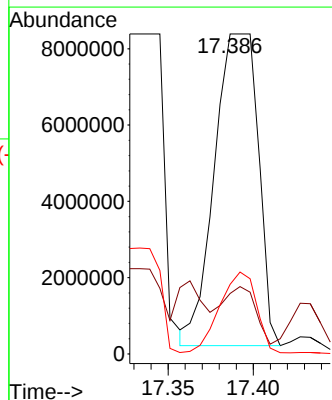
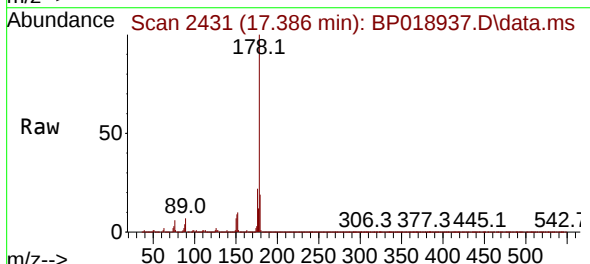
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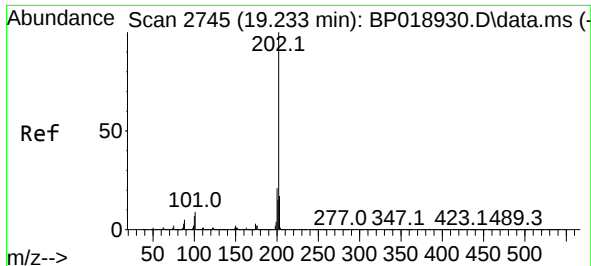
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#74
Anthracene
Concen: 271.026 ng/ul
RT: 17.386 min Scan# 2431
Delta R.T. 0.035 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

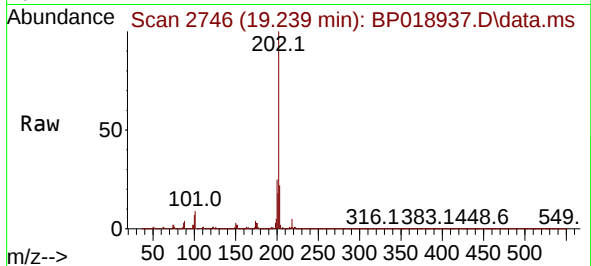
Tgt Ion:178 Resp:14582076
Ion Ratio Lower Upper
178 100
179 18.9 12.5 18.7#
176 21.8 15.0 22.6





#80
Fluoranthene
Concen: 384.015 ng/ul m
RT: 19.239 min Scan# 2745
Delta R.T. 0.006 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

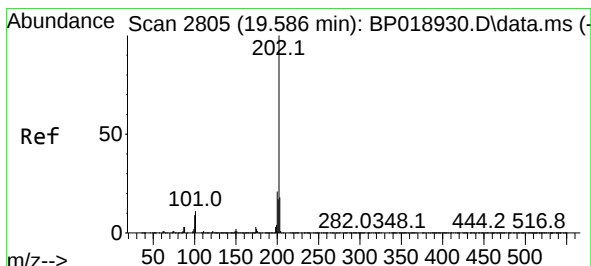
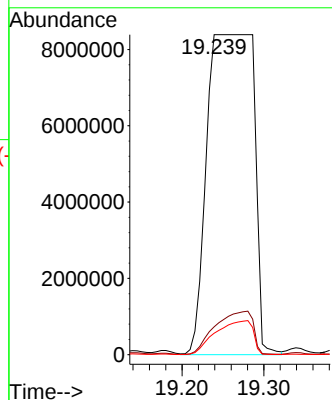
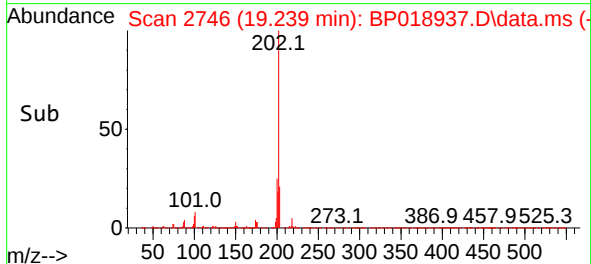
Instrument :
BNA_P
ClientSampleId :
DCLF6DL



Tgt Ion:202 Resp:33192875
Ion Ratio Lower Upper
202 100
101 8.7 9.1 13.7
100 6.7 7.1 10.7

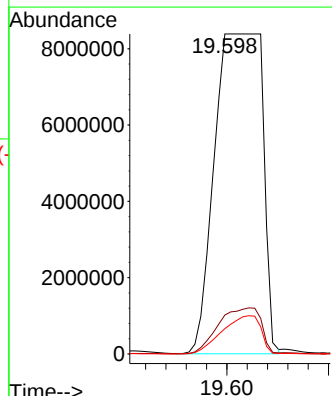
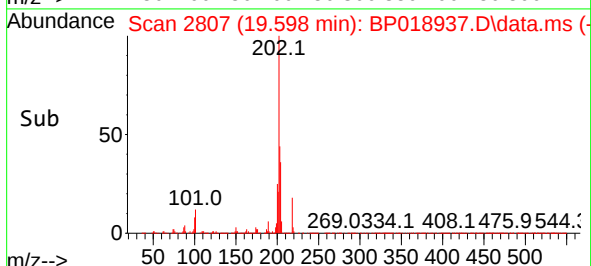
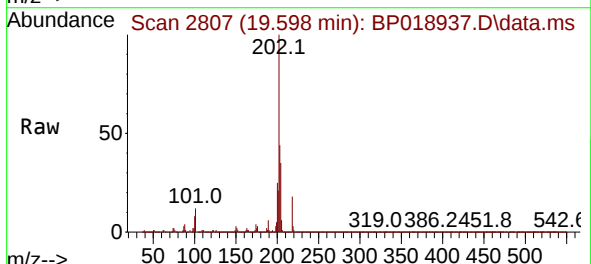
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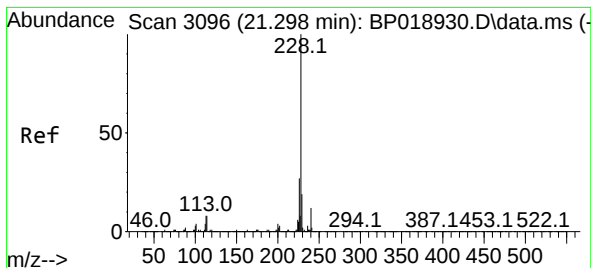
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#82
Pyrene
Concen: 314.661 ng/ul m
RT: 19.598 min Scan# 2807
Delta R.T. 0.012 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Tgt Ion:202 Resp:27437906
Ion Ratio Lower Upper
202 100
101 12.1 11.0 16.4
100 7.9 9.1 13.7





#85

Benzo(a)anthracene

Concen: 181.062 ng/ul

RT: 21.304 min Scan# 3097

Delta R.T. 0.006 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

Instrument :

BNA_P

ClientSampleId :

DCLF6DL

Tgt Ion:228 Resp:1380588

Ion Ratio Lower Upper

228 100

229 22.0 15.7 23.5

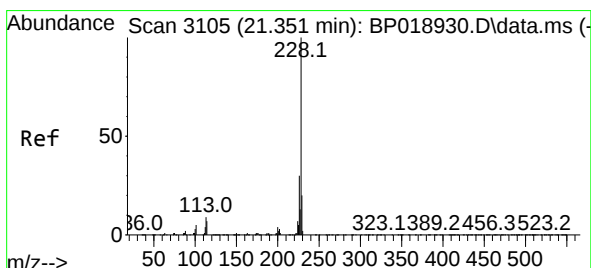
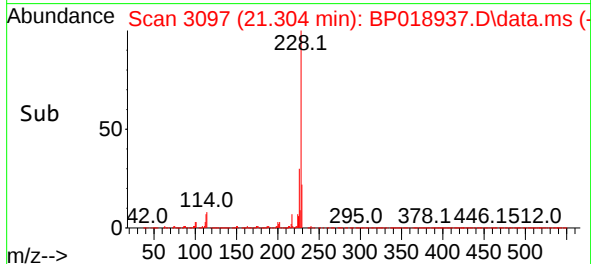
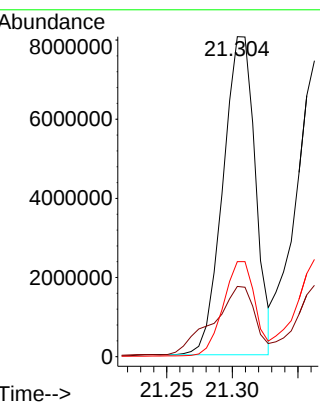
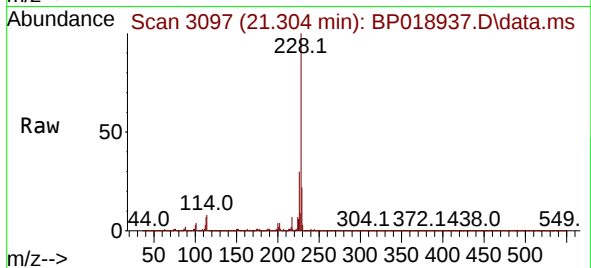
226 29.7 21.9 32.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#87

Chrysene

Concen: 170.661 ng/ul m

RT: 21.363 min Scan# 3107

Delta R.T. 0.012 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

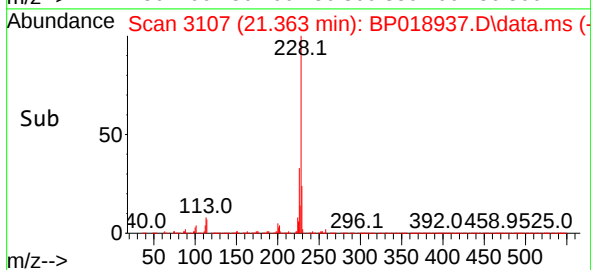
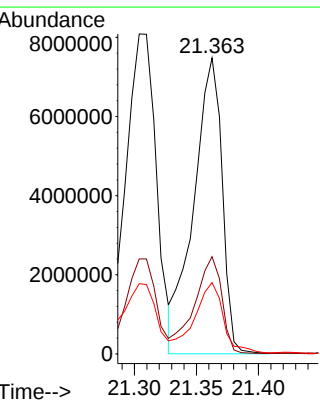
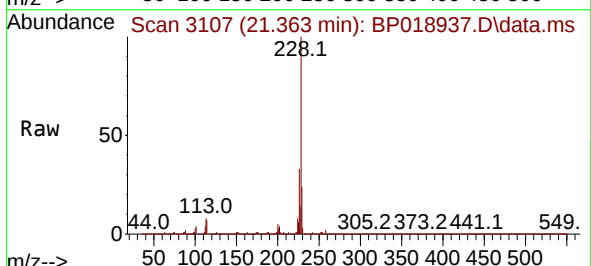
Tgt Ion:228 Resp:11983352

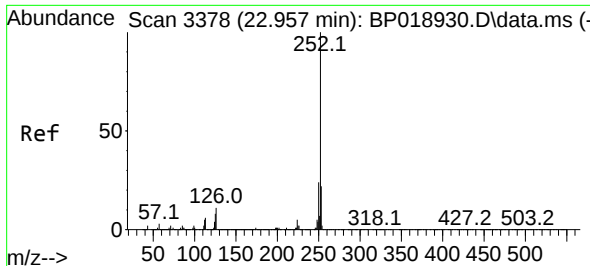
Ion Ratio Lower Upper

228 100

226 32.8 23.9 35.9

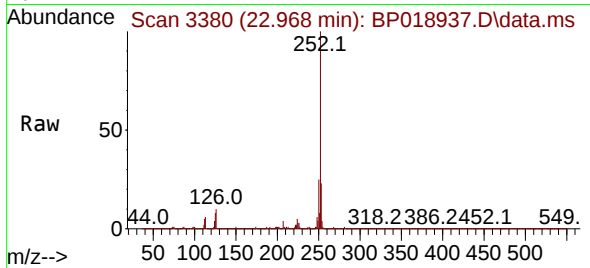
229 24.1 15.6 23.4#





#90
Benzo(b)fluoranthene
Concen: 93.776 ng/u1
RT: 22.968 min Scan# 3380
Delta R.T. 0.012 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

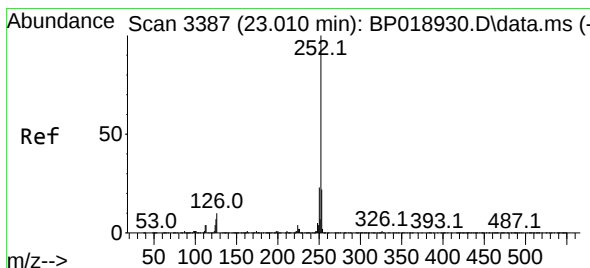
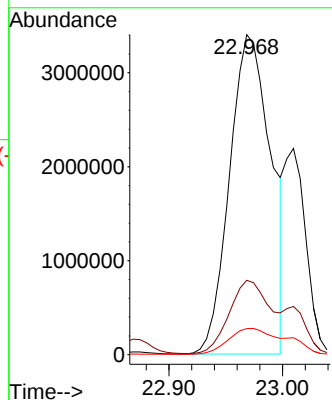
Instrument :
BNA_P
ClientSampleId :
DCLF6DL



Tgt Ion:252 Resp: 858817
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 8.1 7.8 11.6

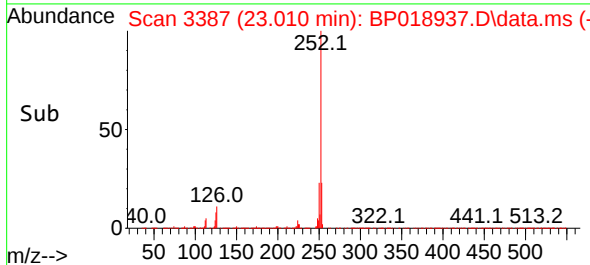
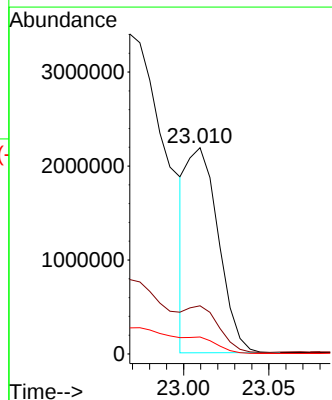
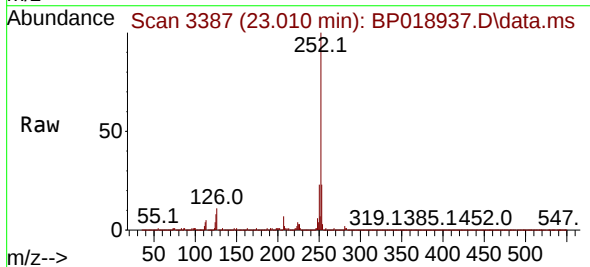
Manual Integrations
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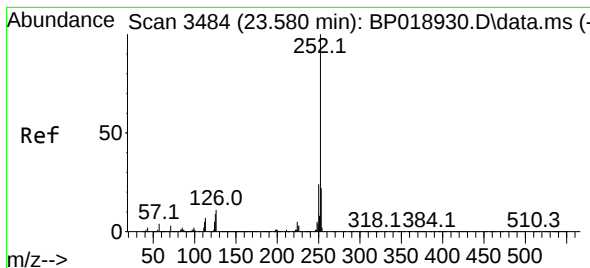
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#91
Benzo(k)fluoranthene
Concen: 31.515 ng/u1
RT: 23.010 min Scan# 3387
Delta R.T. 0.000 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Tgt Ion:252 Resp: 2792617
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 8.2 8.0 12.0





#93

Benzo(a)pyrene

Concen: 59.036 ng/ul m

RT: 23.586 min Scan# 34

Delta R.T. 0.006 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

Instrument :

BNA_P

ClientSampleId :

DCLF6DL

Tgt Ion:252 Resp: 494019

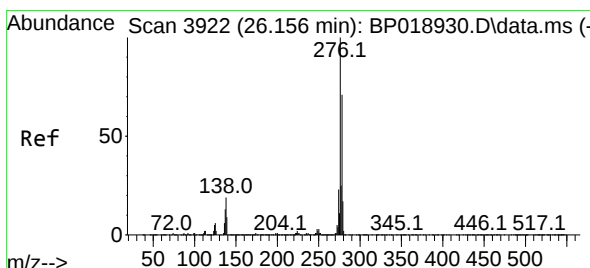
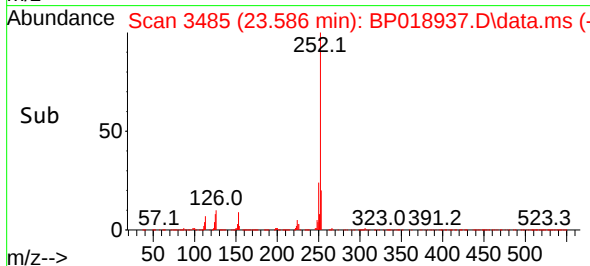
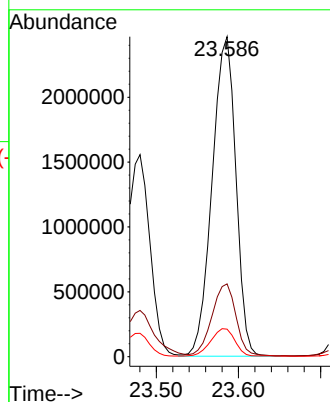
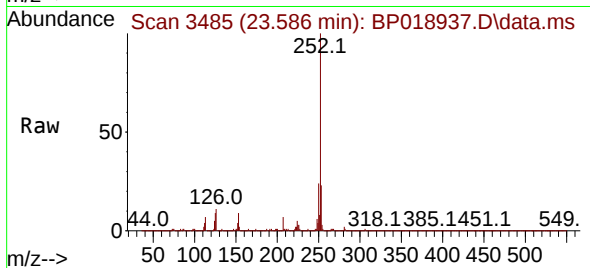
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	8.6	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 16.469 ng/ul

RT: 26.145 min Scan# 3920

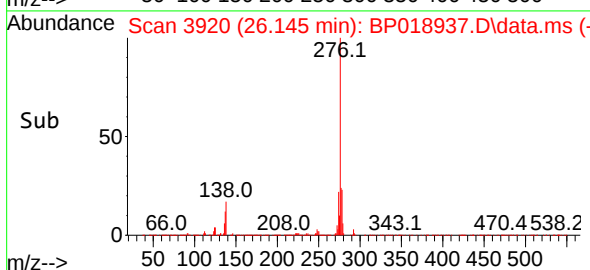
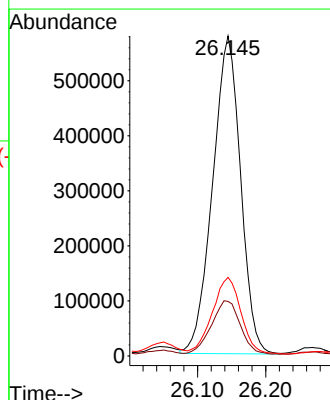
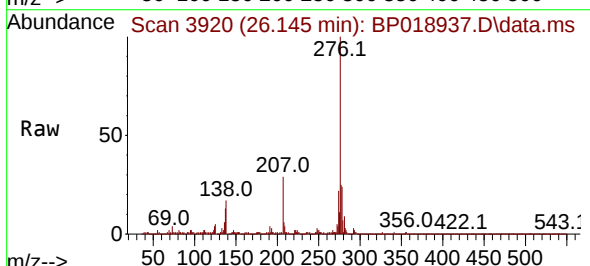
Delta R.T. -0.012 min

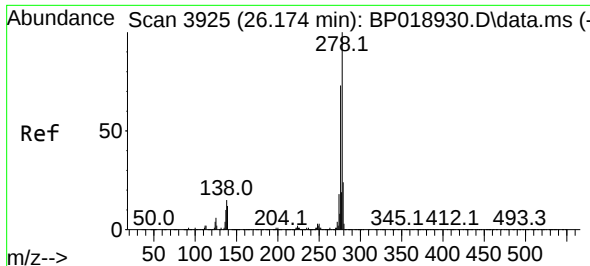
Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

Tgt Ion:276 Resp: 1646639

Ion	Ratio	Lower	Upper
276	100		
138	17.1	19.4	29.2
277	24.6	19.8	29.6





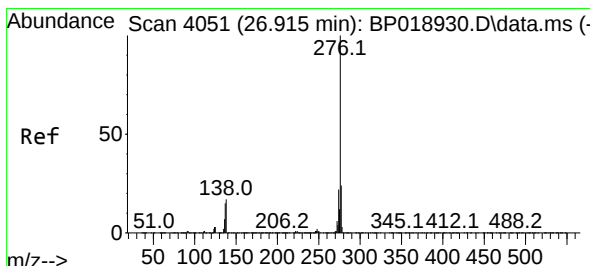
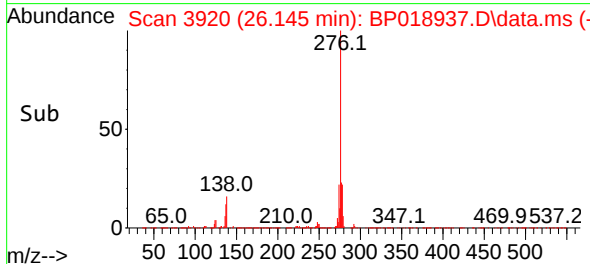
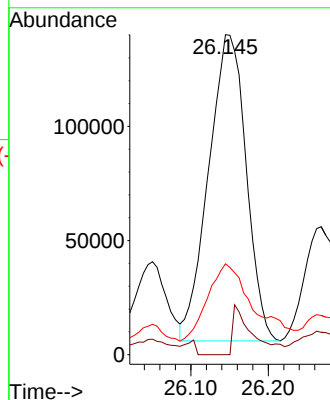
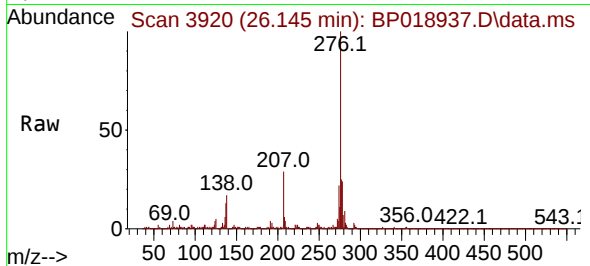
#95
Dibenzo(a,h)anthracene
Concen: 5.442 ng/ul
RT: 26.145 min Scan# 3925
Delta R.T. -0.029 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Instrument :
BNA_P
ClientSampleId :
DCLF6DL

Tgt Ion:278 Resp: 45262
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.6
279 28.4 18.7 28.1

Manual Integrations
APPROVED

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



#96
Benzo(g,h,i)perylene
Concen: 8.609 ng/ul
RT: 26.903 min Scan# 4049
Delta R.T. -0.012 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Tgt Ion:276 Resp: 692699
Ion Ratio Lower Upper
276 100
138 17.2 18.1 27.1#
277 25.9 19.4 29.0

