

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018902.D
 Acq On : 18 Dec 2023 12:23
 Operator : MA/JU
 Sample : 05626-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF4

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 22:11:19 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	222963	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	822952	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.481	164	555059	20.000	ng/u1	# 0.02
64) Phenanthrene-d10	17.239	188	585106	20.000	ng/u1	0.02
79) Chrysene-d12	21.345	240	726361	20.000	ng/u1	# 0.04
88) Perylene-d12	23.698	264	1293676m	20.000	ng/u1	0.04

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 ahmed

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System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	12015	1.836	ng/uL	0.00
4) Pyridine-d5	3.681	84	86229	4.920	ng/u1	0.00
7) Phenol-d5	6.999	99	248841	11.121	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.163	67	142352	10.734	ng/u1	0.00
11) 2-Chlorophenol-d4	7.357	132	196179	11.236	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	190945	10.545	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	90801	12.397	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	93638	12.331	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.251	165	200595	12.918	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	104395	5.144	ng/u1	0.00
46) Dimethylphthalate-d6	13.898	166	570873	11.524	ng/u1	0.02
49) Acenaphthylene-d8	14.157	160	612413	11.227	ng/u1	0.00
54) 4-Nitrophenol-d4	14.710	143	94318	11.599	ng/u1	0.04
60) Fluorene-d10	15.475	176	517582	12.447	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.586	200	276	0.079	ng/u1	0.00
73) Anthracene-d10	17.422	188	462270	15.028	ng/u1	0.11
81) Pyrene-d10	19.592	212	624512	11.045	ng/u1	0.04
92) Benzo(a)pyrene-d12	23.545	264	982680m	13.028	ng/u1	0.03

Target Compounds						Qvalue
30) Naphthalene	10.687	128	18136109	363.279	ng/u1	95
36) 2-Methylnaphthalene	12.310	142	19172453	542.088	ng/u1	99
37) 1-Methylnaphthalene	12.528	142	13379422	374.592	ng/u1#	98
50) Acenaphthylene	14.192	152	2788990	45.474	ng/u1#	89
52) Acenaphthene	14.581	153	37772842m	931.480	ng/u1	
61) Fluorene	15.539	166	44100381m	988.876	ng/u1	
72) Phenanthrene	17.269	178	83240868m	2355.581	ng/u1	
74) Anthracene	17.433	178	29554656m	834.370	ng/u1	
80) Fluoranthene	19.245	202	59686043m	893.043	ng/u1	
82) Pyrene	19.610	202	49377272m	732.343	ng/u1	
85) Benzo(a)anthracene	21.310	228	27217403m	461.642	ng/u1	
87) Chrysene	21.374	228	25324563m	466.439	ng/u1	
90) Benzo(b)fluoranthene	22.998	252	29994564m	314.462	ng/u1	
91) Benzo(k)fluoranthene	23.039	252	9306908m	100.844	ng/u1	
93) Benzo(a)pyrene	23.610	252	13800569m	158.345	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.168	276	6508447m	62.502	ng/u1	
96) Benzo(g,h,i)perylene	26.915	276	2467210m	29.441	ng/u1	

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

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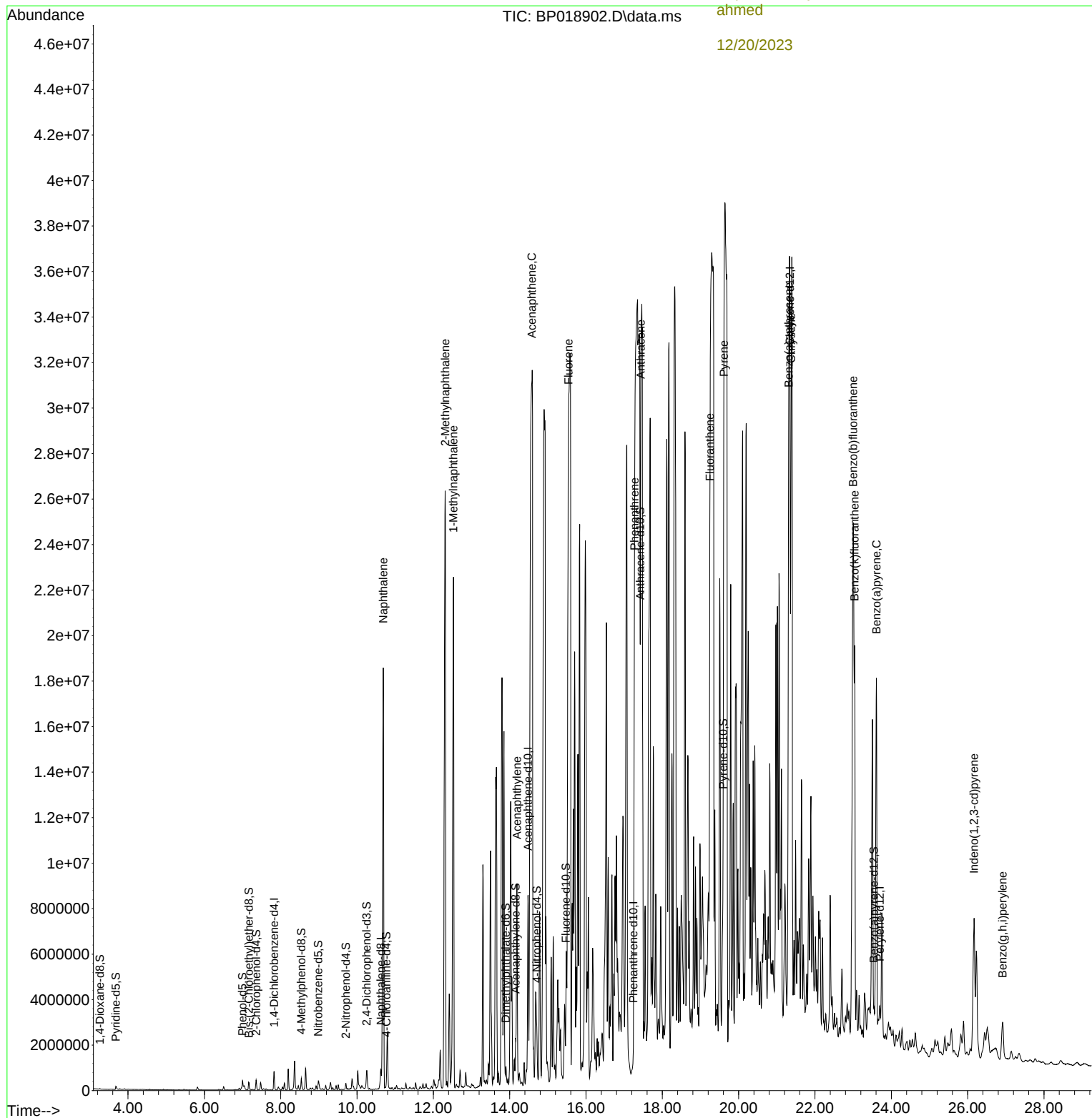
Quant Time: Dec 18 22:11:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 23:34:47 2023
Response via : Initial Calibration

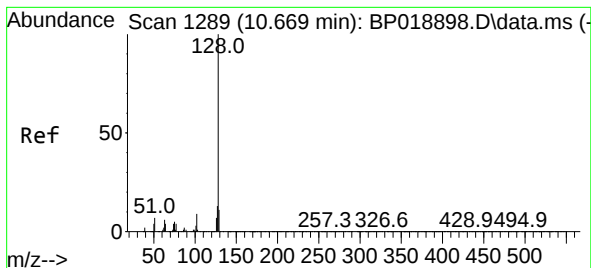
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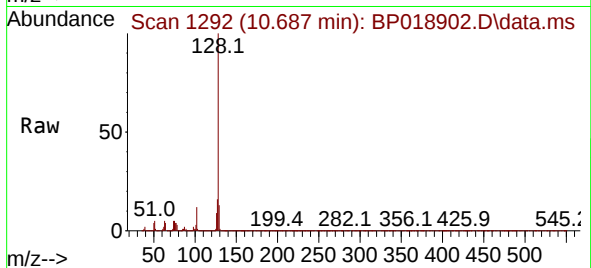
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#30
Naphthalene
Concen: 363.279 ng/ul
RT: 10.687 min Scan# 1292
Delta R.T. 0.012 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Instrument :
BNA_P
ClientSampleId :
DCLF4



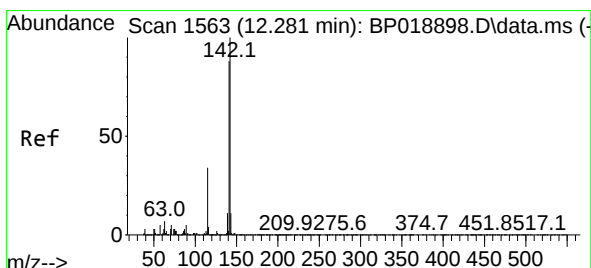
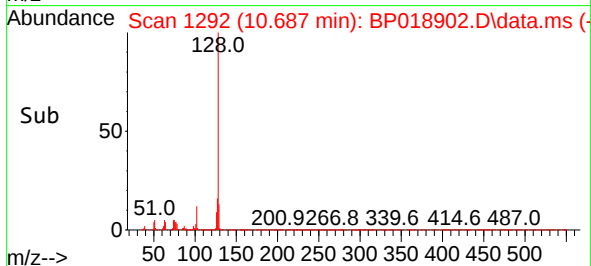
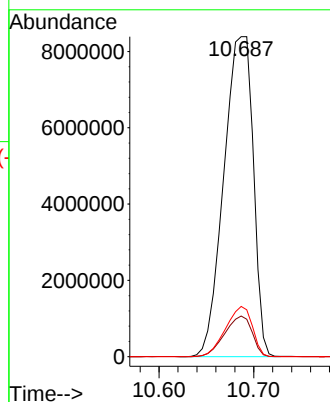
Tgt Ion:128 Resp:18136109
Ion Ratio Lower Upper
128 100
129 12.7 8.9 13.3
127 15.7 10.5 15.7

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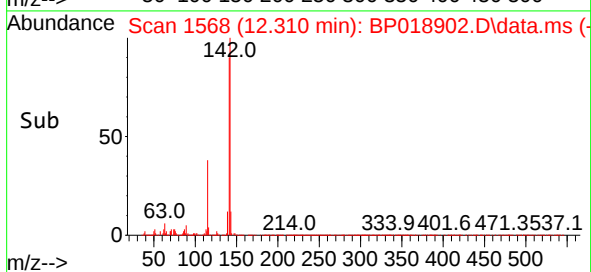
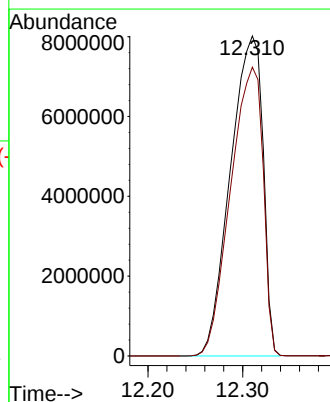
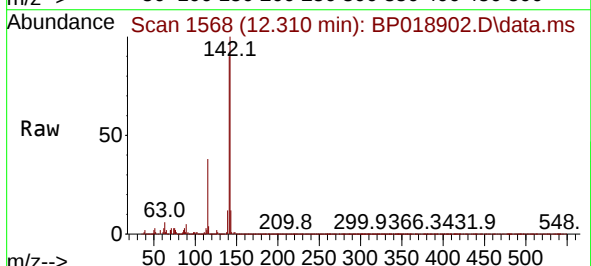
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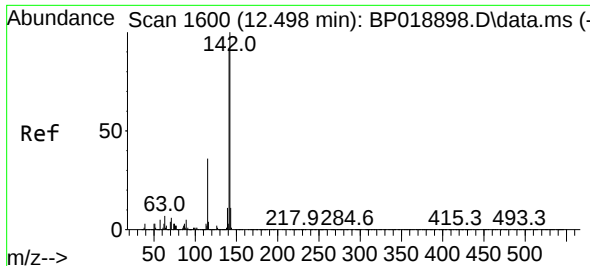
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#36
2-Methylnaphthalene
Concen: 542.088 ng/ul
RT: 12.310 min Scan# 1568
Delta R.T. 0.023 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Tgt Ion:142 Resp:19172453
Ion Ratio Lower Upper
142 100
141 90.2 71.4 107.0





#37

1-Methylnaphthalene

Concen: 374.592 ng/ul

RT: 12.528 min Scan# 1605

Delta R.T. 0.018 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

Instrument :

BNA_P

ClientSampleId :

DCLF4

Tgt Ion:142 Resp:1337942

Ion Ratio Lower Upper

142 100

141 93.4 73.5 110.3

116 4.3 2.8 4.2

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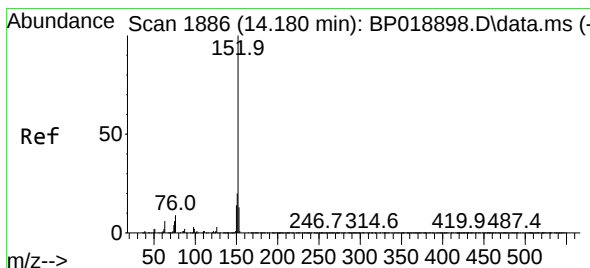
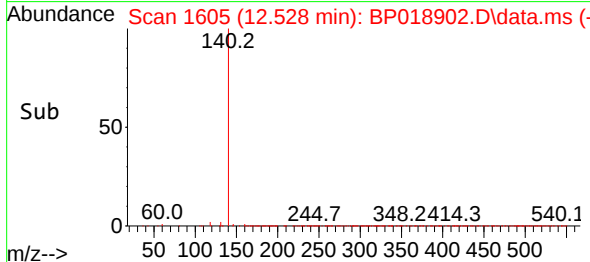
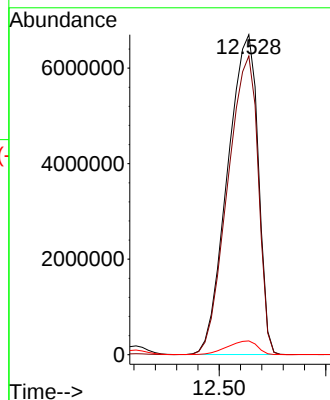
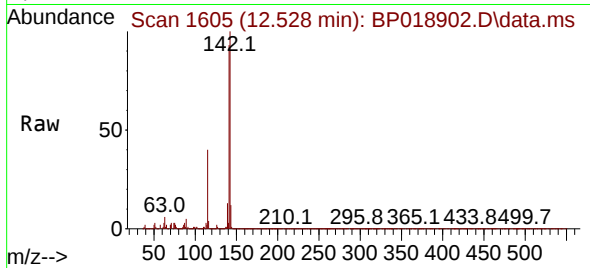
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#50

Acenaphthylene

Concen: 45.474 ng/ul

RT: 14.192 min Scan# 1888

Delta R.T. 0.006 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

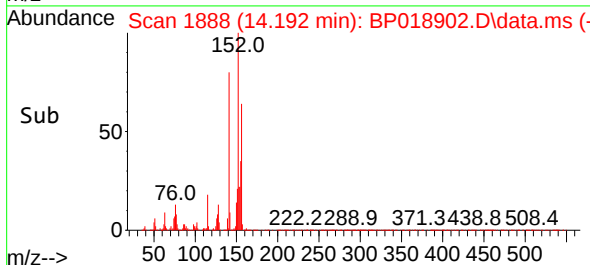
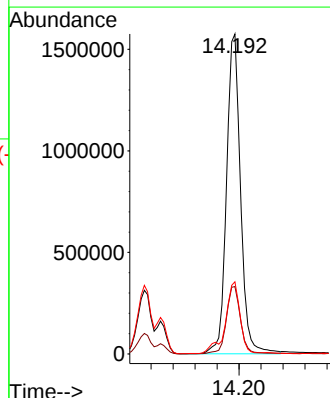
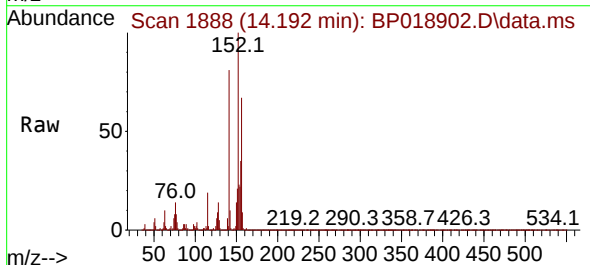
Tgt Ion:152 Resp: 2788990

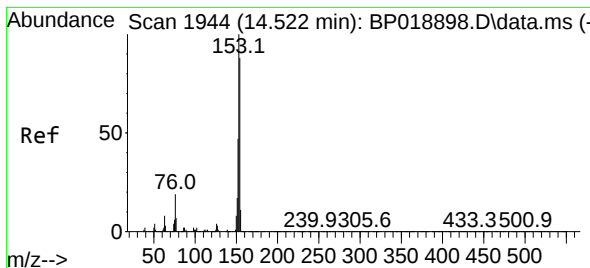
Ion Ratio Lower Upper

152 100

151 21.0 15.9 23.9

153 22.5 10.6 16.0#





#52

Acenaphthene

Concen: 931.480 ng/ul m

RT: 14.581 min Scan# 1954

Delta R.T. 0.053 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

Instrument :

BNA_P

ClientSampleId :

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Tgt Ion:153 Resp:3777284

Ion Ratio Lower Upper

153 100

152 49.4 38.1 57.1

154 90.0 71.7 107.5

Manual Integrations

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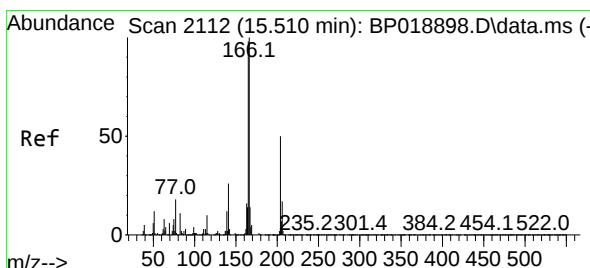
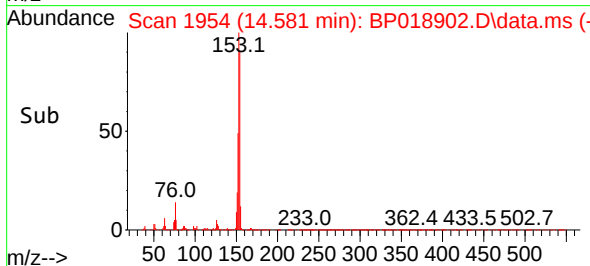
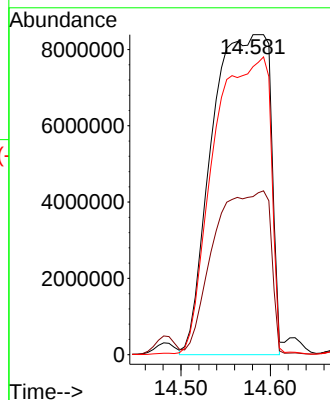
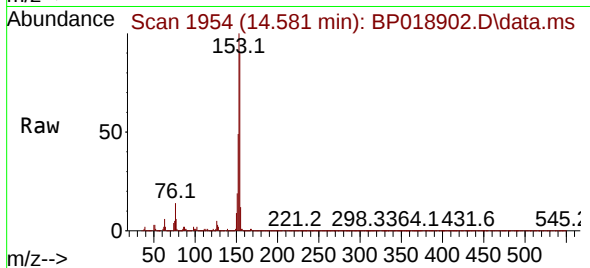
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#61

Fluorene

Concen: 988.876 ng/ul m

RT: 15.539 min Scan# 2117

Delta R.T. 0.023 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

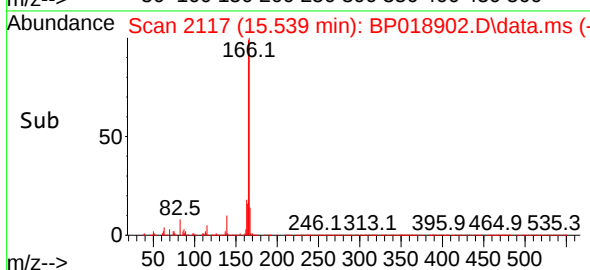
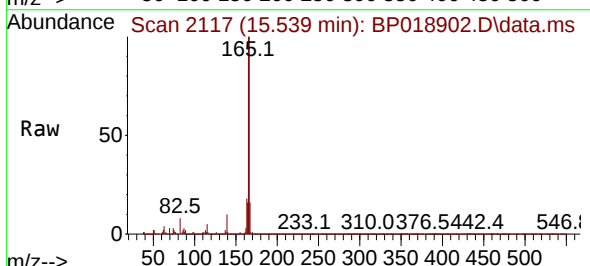
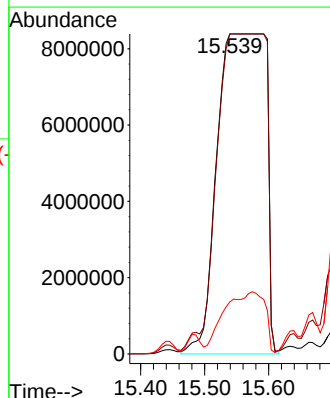
Tgt Ion:166 Resp:44100381

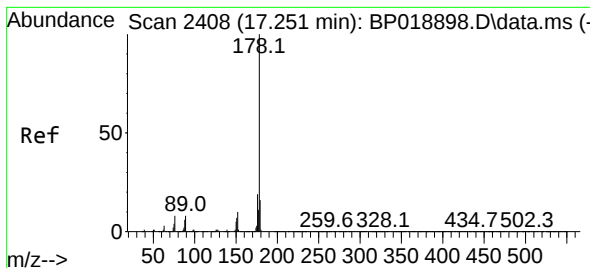
Ion Ratio Lower Upper

166 100

165 100.0 78.0 117.0

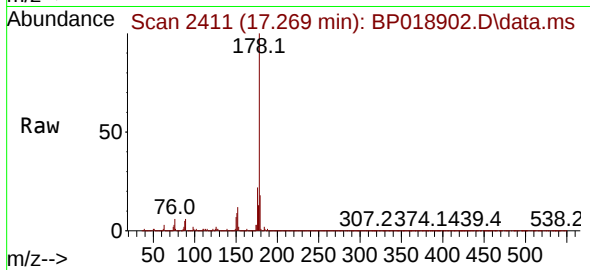
167 16.3 10.8 16.2#





#72
Phenanthrene
Concen: 2355.581 ng/ul m
RT: 17.269 min Scan# 2411
Delta R.T. 0.012 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Instrument :
BNA_P
ClientSampleId :
DCLF4



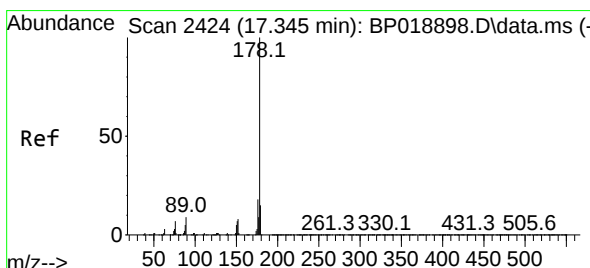
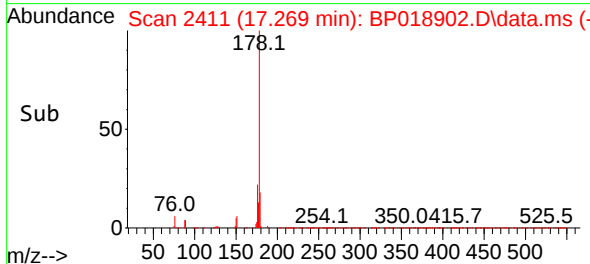
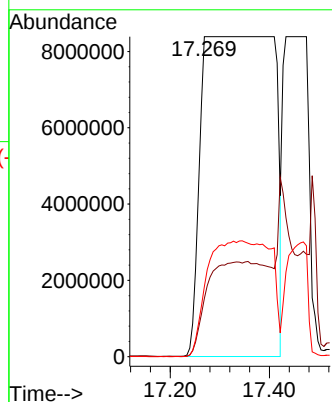
Tgt Ion:178 Resp:8324086
Ion Ratio Lower Upper
178 100
179 18.2 12.3 18.5
176 21.9 15.4 23.2

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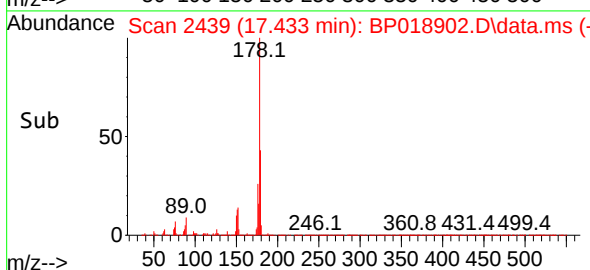
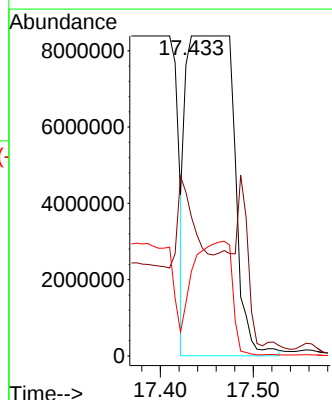
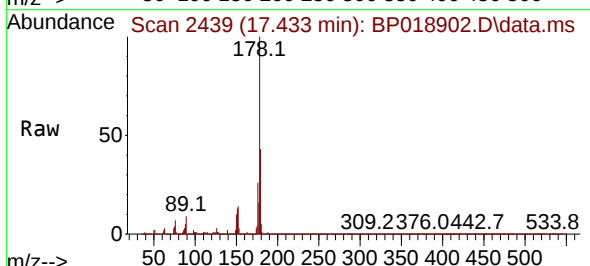
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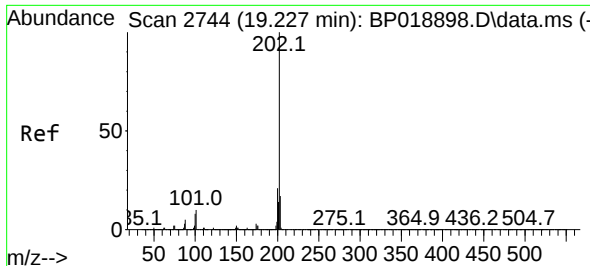
12/20/2023



#74
Anthracene
Concen: 834.370 ng/ul m
RT: 17.433 min Scan# 2439
Delta R.T. 0.088 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

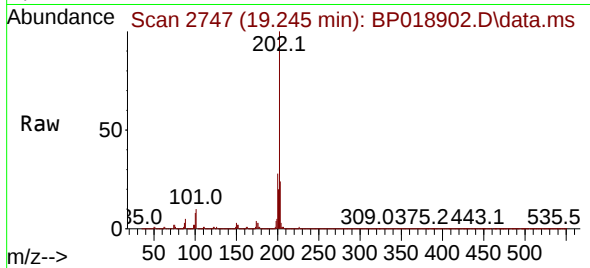
Tgt Ion:178 Resp:29554656
Ion Ratio Lower Upper
178 100
179 43.4 12.5 18.7#
176 26.4 15.0 22.6#





#80
Fluoranthene
Concen: 893.043 ng/ul m
RT: 19.245 min Scan# 2744
Delta R.T. 0.018 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

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DCLF4



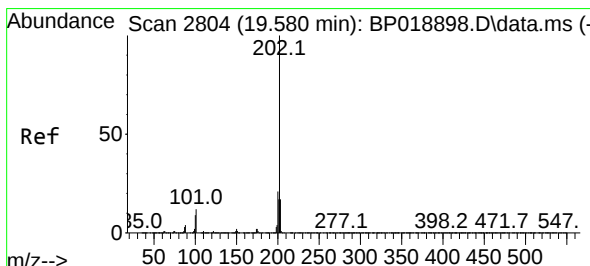
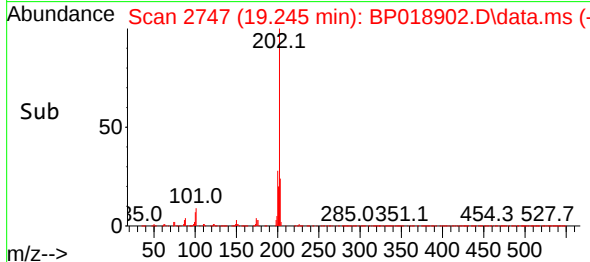
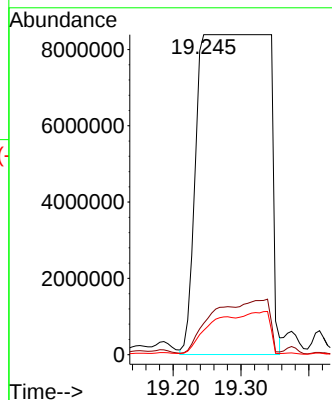
Tgt Ion:202 Resp:5968604
Ion Ratio Lower Upper
202 100
101 9.8 9.1 13.7
100 7.6 7.1 10.7

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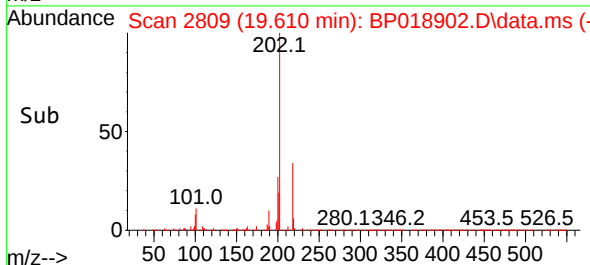
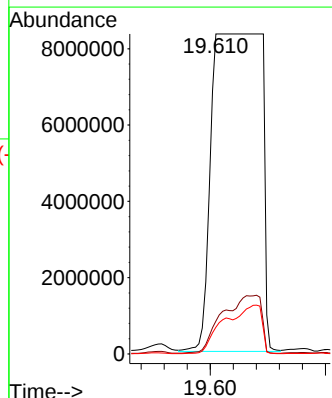
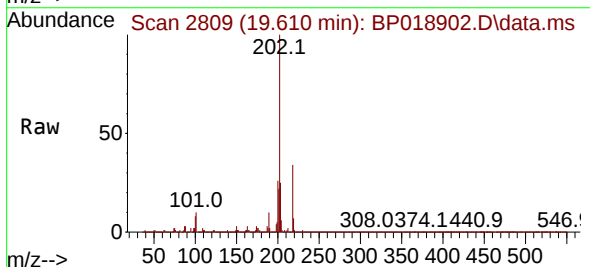
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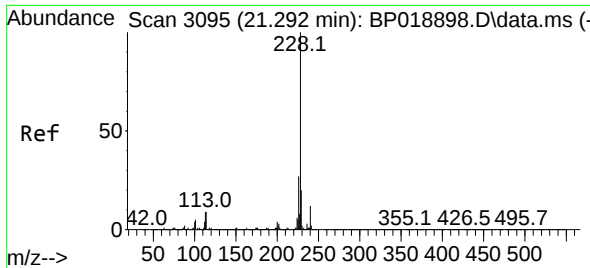
12/20/2023



#82
Pyrene
Concen: 732.343 ng/ul m
RT: 19.610 min Scan# 2809
Delta R.T. 0.029 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Tgt Ion:202 Resp:49377272
Ion Ratio Lower Upper
202 100
101 10.3 11.0 16.4#
100 8.4 9.1 13.7#





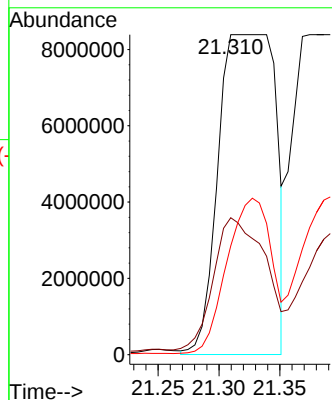
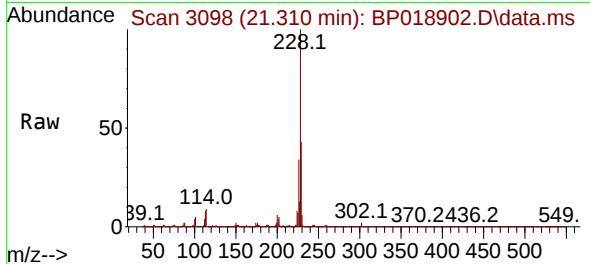
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Benzo(a)anthracene
Concen: 461.642 ng/ul m
RT: 21.310 min Scan# 3098
Delta R.T. 0.023 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Instrument :
BNA_P
ClientSampleId :
DCLF4

Tgt Ion:228 Resp:2721740
Ion Ratio Lower Upper
228 100
229 42.8 15.7 23.5
226 34.0 21.9 32.9

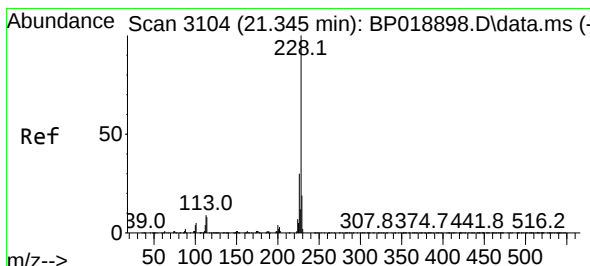
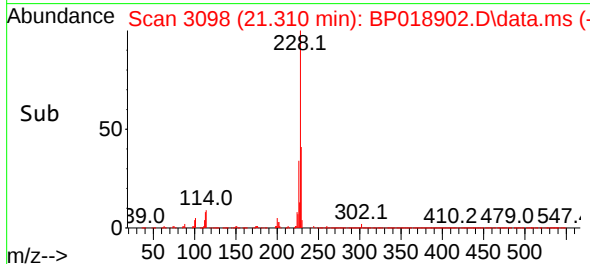
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Supervised By :mohammad ahmed 12/20/2023



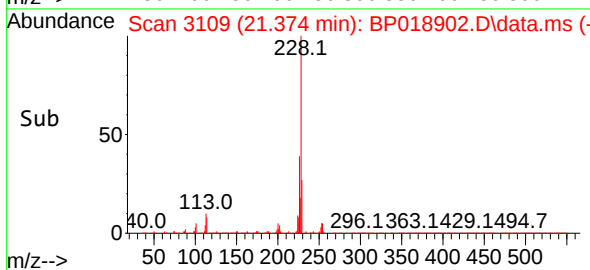
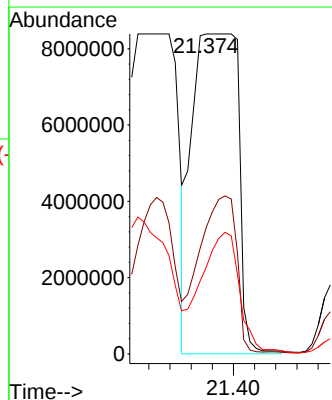
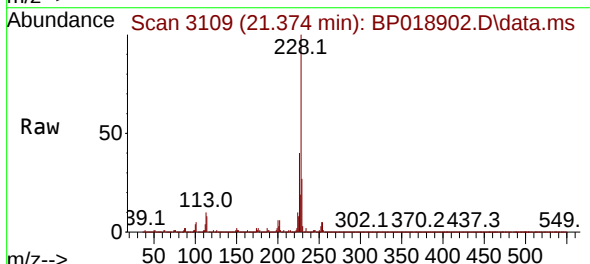
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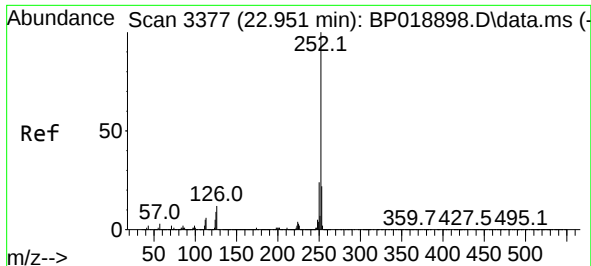
12/20/2023



#87
Chrysene
Concen: 466.439 ng/ul m
RT: 21.374 min Scan# 3109
Delta R.T. 0.035 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

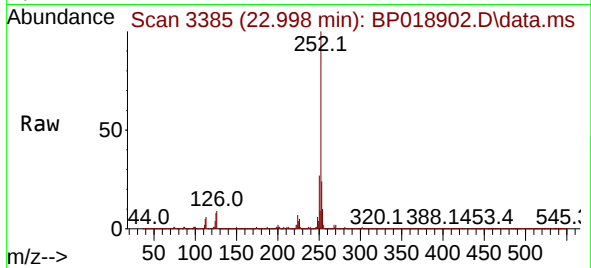
Tgt Ion:228 Resp:25324563
Ion Ratio Lower Upper
228 100
226 39.7 23.9 35.9#
229 27.2 15.6 23.4#





#90
Benzo(b)fluoranthene
Concen: 314.462 ng/ul m
RT: 22.998 min Scan# 3385
Delta R.T. 0.053 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Instrument :
BNA_P
ClientSampleId :
DCLF4



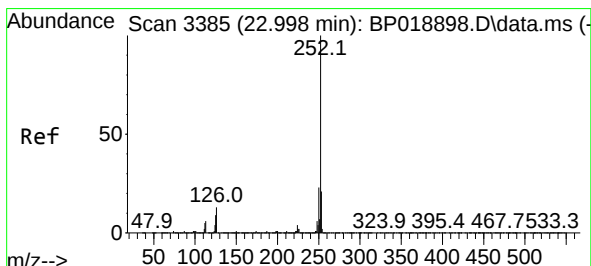
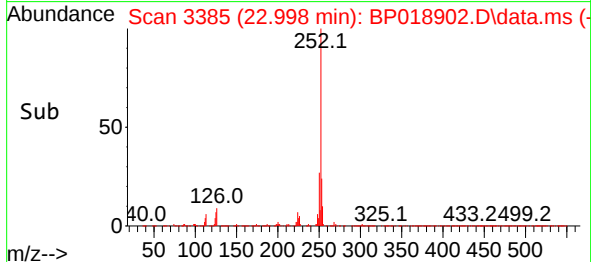
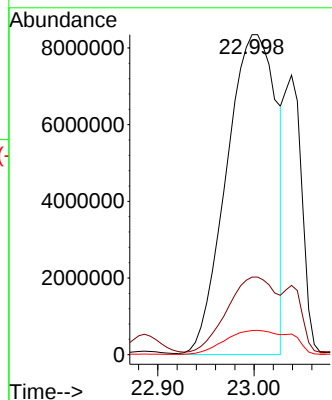
Tgt Ion:252 Resp:29994564
Ion Ratio Lower Upper
252 100
253 24.2 17.3 25.9
125 7.6 7.8 11.6

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Supervised By :mohammad ahmed 12/20/2023

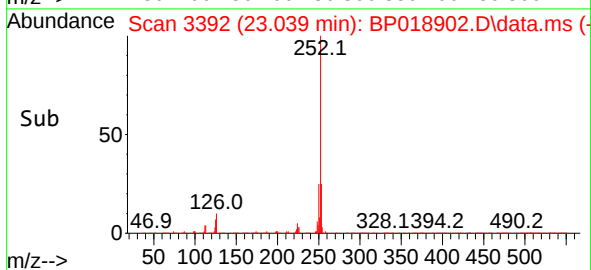
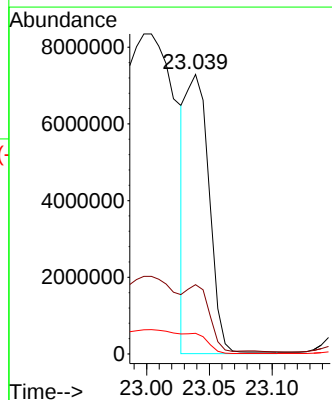
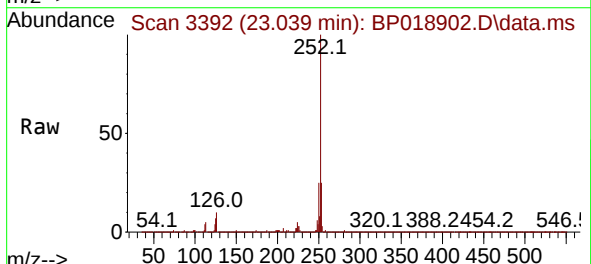
12/19/2023
Supervised By :mohammad
ahmed

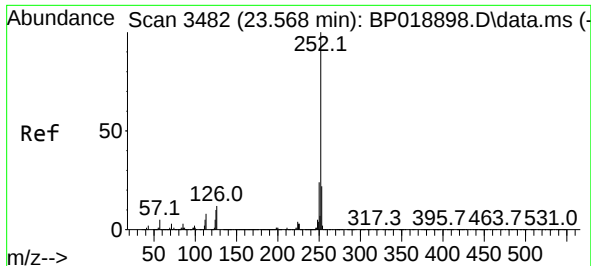
12/20/2023



#91
Benzo(k)fluoranthene
Concen: 100.844 ng/ul m
RT: 23.039 min Scan# 3392
Delta R.T. 0.047 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

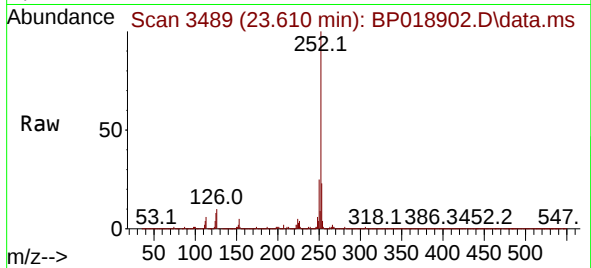
Tgt Ion:252 Resp: 9306908
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 7.4 8.0 12.0





#93
Benzo(a)pyrene
Concen: 158.345 ng/ul m
RT: 23.610 min Scan# 3482
Delta R.T. 0.047 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Instrument :
BNA_P
ClientSampleId :
DCLF4



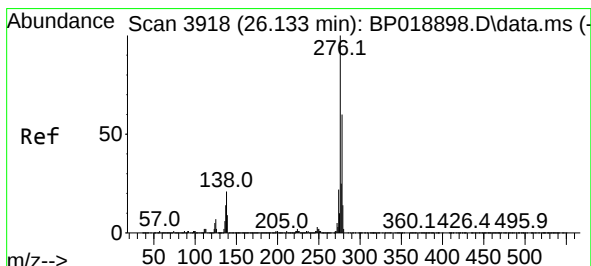
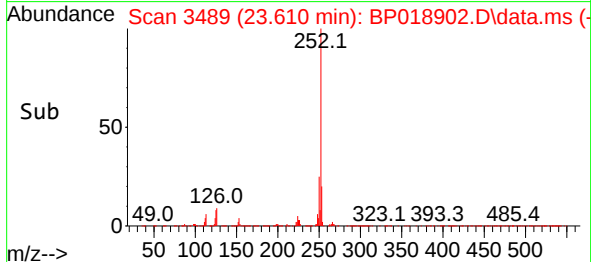
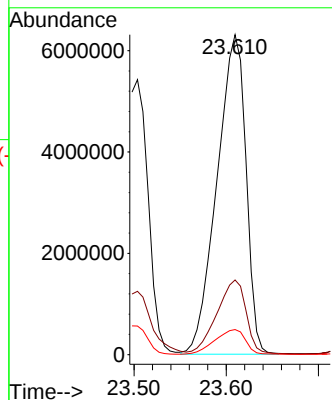
Tgt Ion:252 Resp:13800569
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 7.8 9.2 13.8

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Supervised By :mohammad ahmed 12/20/2023

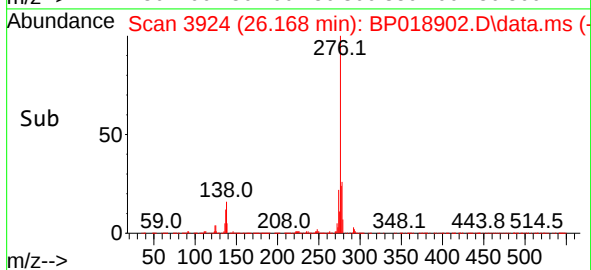
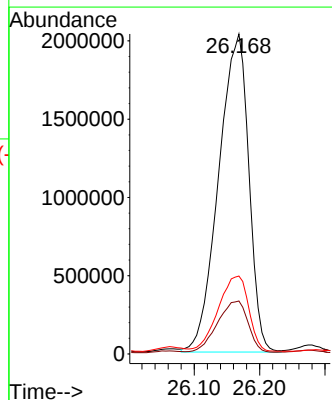
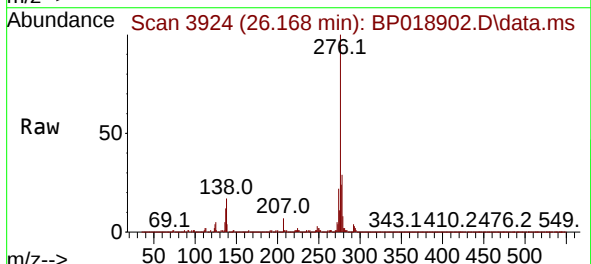
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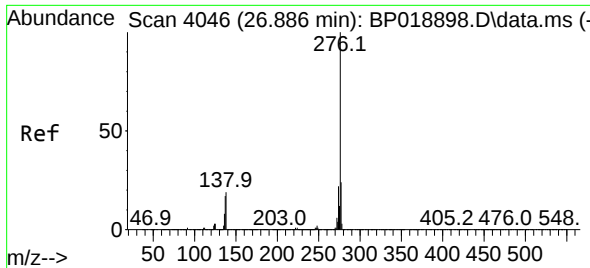
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#94
Indeno(1,2,3-cd)pyrene
Concen: 62.502 ng/ul m
RT: 26.168 min Scan# 3924
Delta R.T. 0.047 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

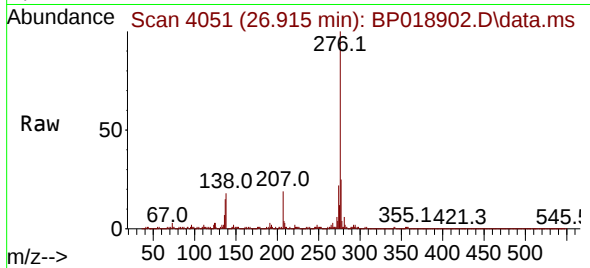
Tgt Ion:276 Resp: 6508447
Ion Ratio Lower Upper
276 100
138 16.5 19.4 29.2#
277 24.4 19.8 29.6





#96
Benzo(g,h,i)perylene
Concen: 29.441 ng/ul m
RT: 26.915 min Scan# 4046
Delta R.T. 0.041 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

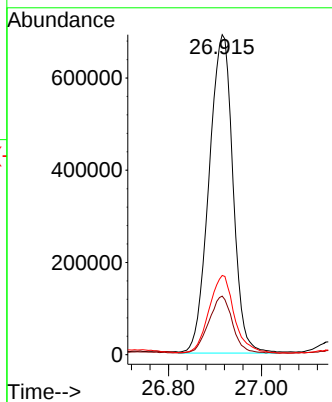
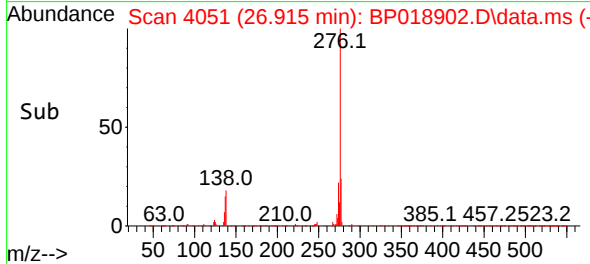
Instrument :
BNA_P
ClientSampleId :
DCLF4



Tgt Ion:276 Resp: 2467210
Ion Ratio Lower Upper
276 100
138 18.3 18.1 27.1
277 24.7 19.4 29.0

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



12/19/2023
Supervised By :mohammad
ahmed
12/20/2023