

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018904.D
 Acq On : 18 Dec 2023 13:31
 Operator : MA/JU
 Sample : 05626-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF8

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 23:02:26 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

12/19/2023
 Supervised By :mohammad
 ahmed

12/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	221549	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	592484	20.000	ng/u1	0.04
38) Acenaphthene-d10	14.557	164	643198	20.000	ng/u1	# 0.09
64) Phenanthrene-d10	17.269	188	289934m	20.000	ng/u1	0.05
79) Chrysene-d12	21.398	240	509471m	20.000	ng/u1	0.09
88) Perylene-d12	23.739	264	1378416m	20.000	ng/u1	0.08

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	15112	2.324	ng/uL	0.00
4) Pyridine-d5	3.681	84	216797	12.449	ng/u1	0.00
7) Phenol-d5	7.004	99	437862	19.694	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	233550	17.724	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	343823	19.819	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	347607	19.319	ng/u1	0.00
21) Nitrobenzene-d5	8.998	128	200676	38.055	ng/u1	0.00
24) 2-Nitrophenol-d4	9.722	143	176132	32.216	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.287	165	365884m	32.729	ng/u1	0.04
31) 4-Chloroaniline-d4	10.828	131	578405m	39.590	ng/u1	0.06
46) Dimethylphthalate-d6	13.951	166	1007587	17.552	ng/u1	0.07
49) Acenaphthylene-d8	14.181	160	1118178	17.689	ng/u1	0.02
54) 4-Nitrophenol-d4	14.786	143	141028	14.966	ng/u1	0.12
60) Fluorene-d10	15.492	176	683844m	14.192	ng/u1	0.04
65) 4,6-Dinitro-2-methylph...	15.598	200	766	0.441	ng/u1	0.02
73) Anthracene-d10	17.269	188	289584m	18.999	ng/u1	-0.04
81) Pyrene-d10	19.627	212	771856m	19.463	ng/u1	0.08
92) Benzo(a)pyrene-d12	23.592	264	1776219m	22.100	ng/u1	0.08

Target Compounds					Qvalue
30) Naphthalene	10.687	128	67751622m	1885.011	ng/u1
36) 2-Methylnaphthalene	12.334	142	52539154m	2063.351	ng/u1
37) 1-Methylnaphthalene	12.581	142	32452703	1262.030	ng/u1# 97
50) Acenaphthylene	14.210	152	5966241	83.949	ng/u1# 85
52) Acenaphthene	14.586	153	81995694m	1744.936	ng/u1
61) Fluorene	15.563	166	77639960m	1502.378	ng/u1
72) Phenanthrene	17.286	178	129053058m	7369.961	ng/u1
74) Anthracene	17.510	178	62475044m	3559.381	ng/u1
80) Fluoranthene	19.274	202	81360635m	1735.589	ng/u1
82) Pyrene	19.651	202	67940372m	1436.642	ng/u1
85) Benzo(a)anthracene	21.333	228	41653012m	1007.252	ng/u1
87) Chrysene	21.410	228	28336746m	744.108	ng/u1
90) Benzo(b)fluoranthene	23.021	252	42817648m	421.302	ng/u1
91) Benzo(k)fluoranthene	23.074	252	13219270m	134.431	ng/u1
93) Benzo(a)pyrene	23.662	252	28223974m	303.928	ng/u1
94) Indeno(1,2,3-cd)pyrene	26.233	276	10957685m	98.759	ng/u1
95) Dibenzo(a,h)anthracene	26.233	278	3054014m	33.088	ng/u1
96) Benzo(g,h,i)perylene	26.980	276	5148097m	57.654	ng/u1

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018904.D
 Acq On : 18 Dec 2023 13:31
 Operator : MA/JU
 Sample : 05626-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF8

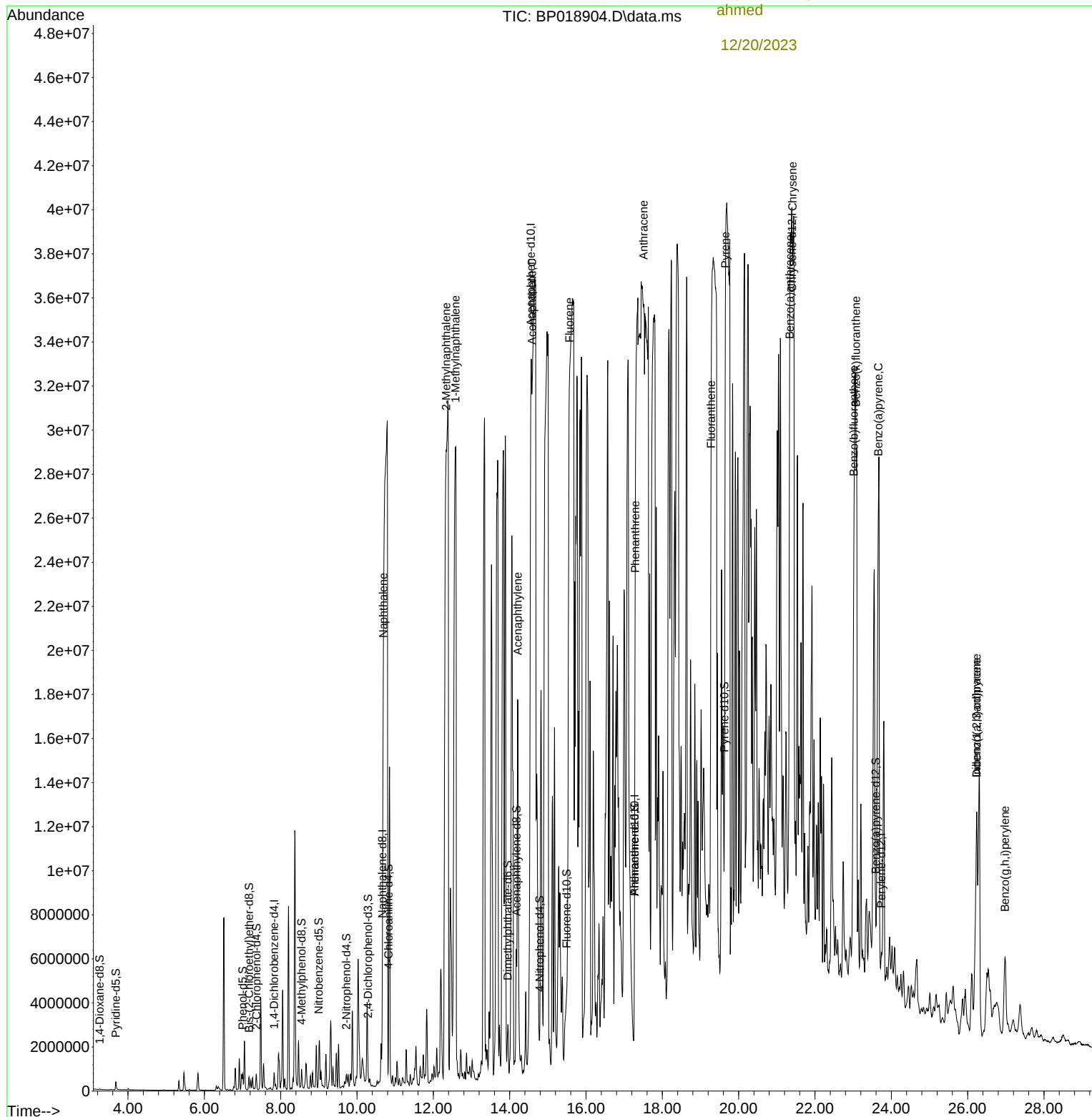
Quant Time: Dec 18 23:02:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 23:34:47 2023
 Response via : Initial Calibration

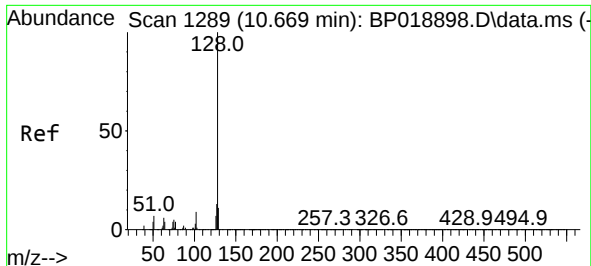
Manual Integrations APPROVED

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

12/19/2023
 Supervised By :mohammad
 ahmed

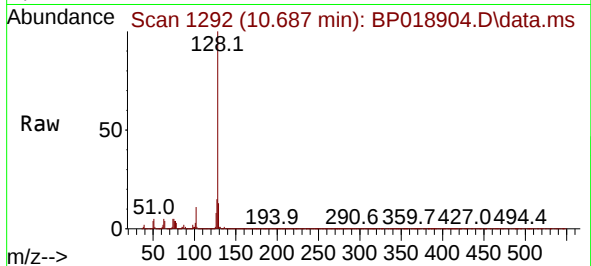
12/20/2023





#30
Naphthalene
Concen: 1885.011 ng/ul m
RT: 10.687 min Scan# 1572
Delta R.T. 0.012 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

Instrument :
BNA_P
ClientSampleId :
DCLF8



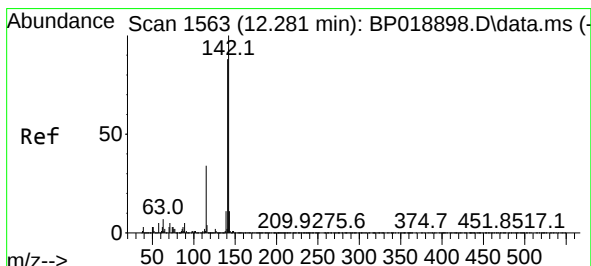
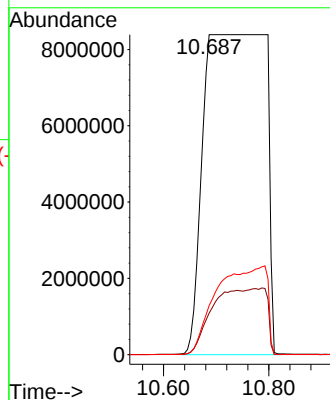
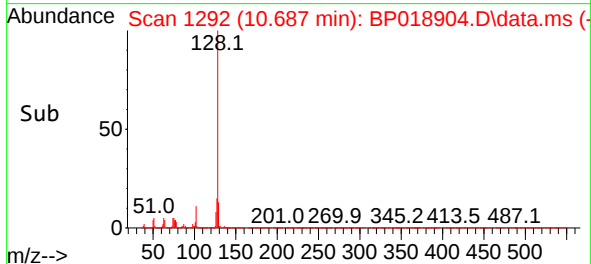
Tgt Ion:128 Resp:6775162
Ion Ratio Lower Upper
128 100
129 13.0 8.9 13.3
127 15.3 10.5 15.7

Manual Integrations
APPROVED

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

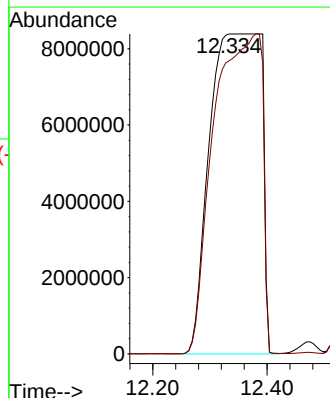
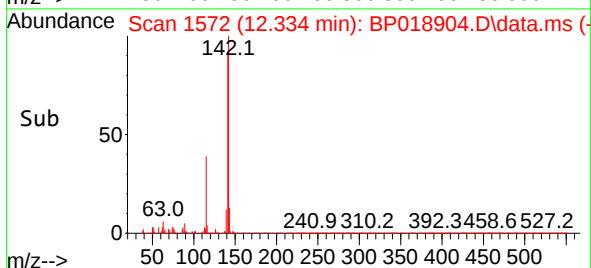
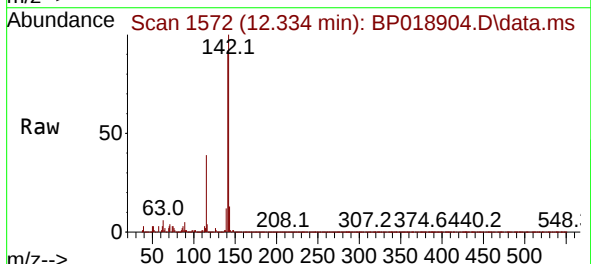
12/19/2023
Supervised By :mohammad
ahmed

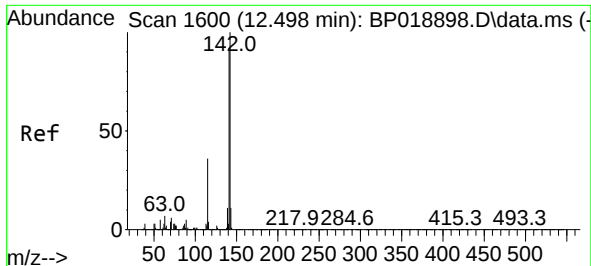
12/20/2023



#36
2-Methylnaphthalene
Concen: 2063.351 ng/ul m
RT: 12.334 min Scan# 1572
Delta R.T. 0.047 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

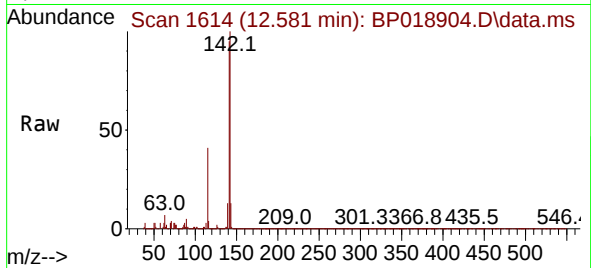
Tgt Ion:142 Resp:52539154
Ion Ratio Lower Upper
142 100
141 91.6 71.4 107.0





#37
1-Methylnaphthalene
Concen: 1262.030 ng/ul
RT: 12.581 min Scan# 1614
Delta R.T. 0.070 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

Instrument :
BNA_P
ClientSampleId :
DCLF8



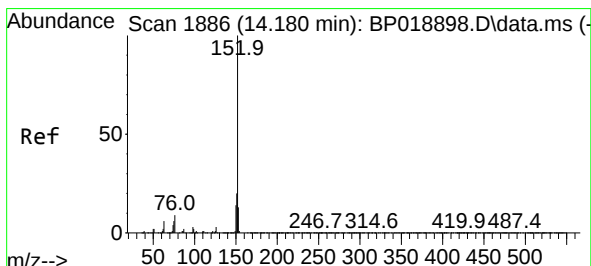
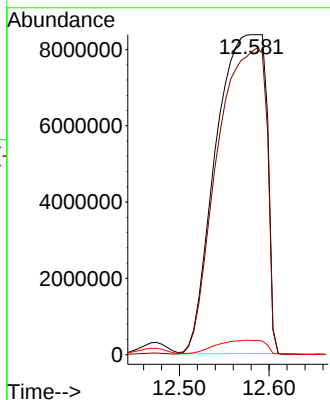
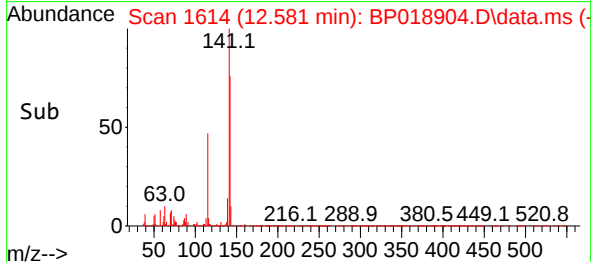
Tgt Ion:142 Resp:3245270
Ion Ratio Lower Upper
142 100
141 94.7 73.5 110.3
116 4.4 2.8 4.2

Manual Integrations
APPROVED

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

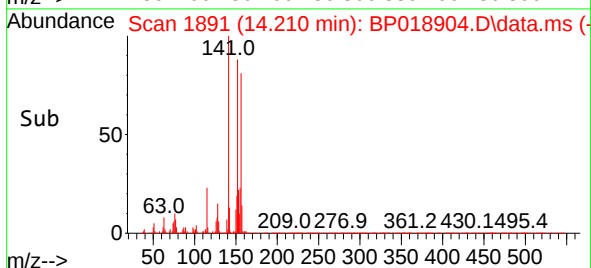
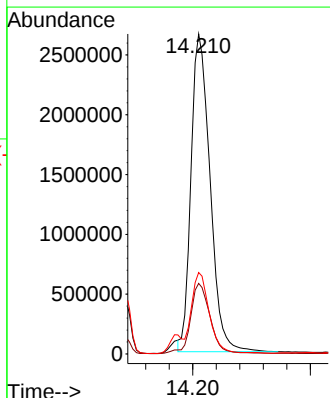
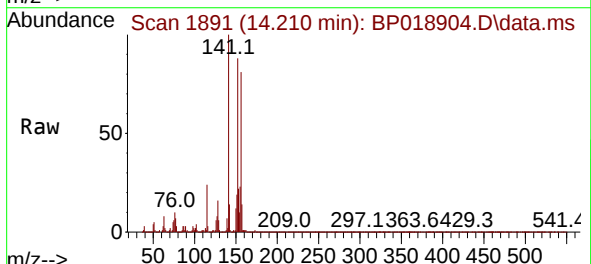
12/19/2023
Supervised By :mohammad
ahmed

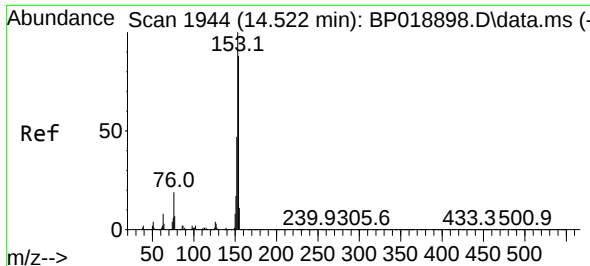
12/20/2023



#50
Acenaphthylene
Concen: 83.949 ng/ul
RT: 14.210 min Scan# 1891
Delta R.T. 0.023 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

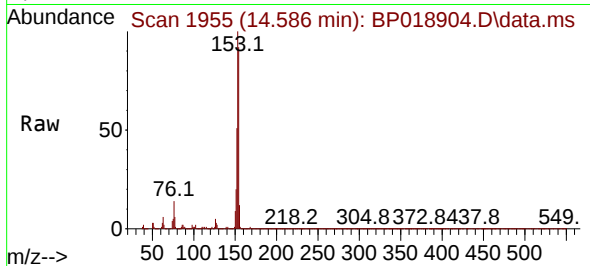
Tgt Ion:152 Resp: 5966241
Ion Ratio Lower Upper
152 100
151 22.1 15.9 23.9
153 25.4 10.6 16.0





#52
Acenaphthene
Concen: 1744.936 ng/ul m
RT: 14.586 min Scan# 1955
Delta R.T. 0.059 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

Instrument :
BNA_P
ClientSampleId :
DCLF8



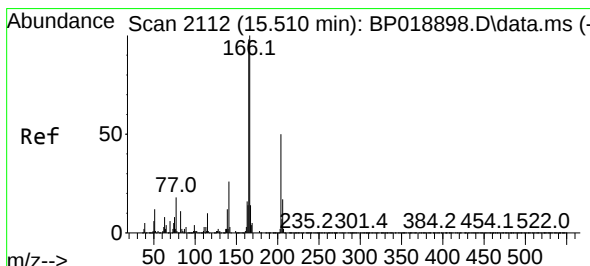
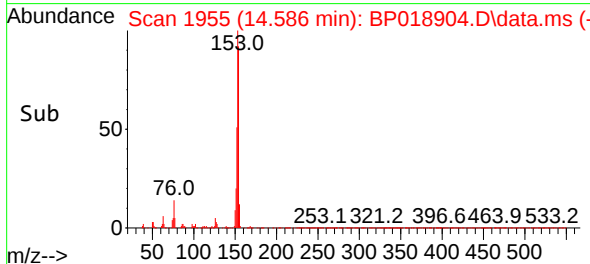
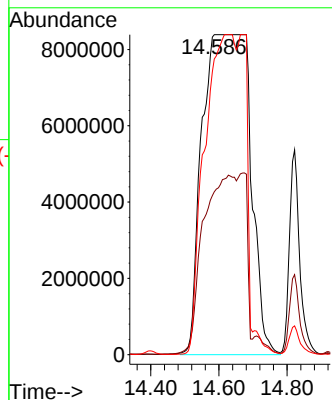
Tgt Ion:153 Resp:81995694
Ion Ratio Lower Upper
153 100
152 50.9 38.1 57.1
154 92.4 71.7 107.5

Manual Integrations
APPROVED

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

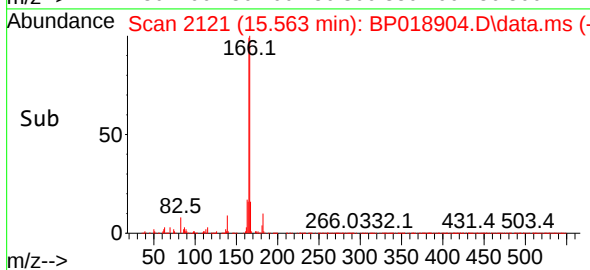
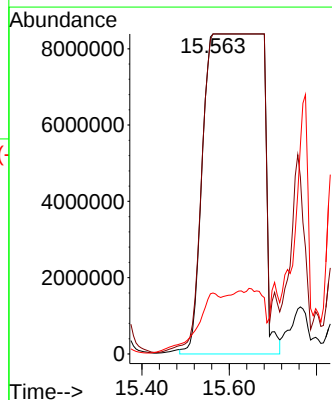
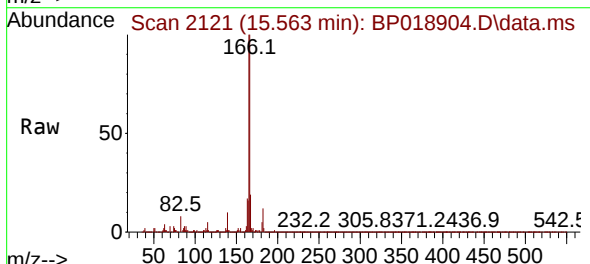
12/19/2023
Supervised By :mohammad
ahmed

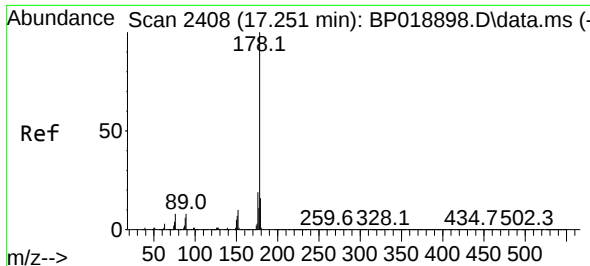
12/20/2023



#61
Fluorene
Concen: 1502.378 ng/ul m
RT: 15.563 min Scan# 2121
Delta R.T. 0.047 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

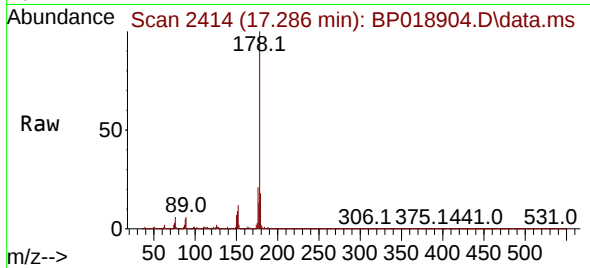
Tgt Ion:166 Resp:77639960
Ion Ratio Lower Upper
166 100
165 100.0 78.0 117.0
167 19.0 10.8 16.2#





#72
Phenanthrene
Concen: 7369.961 ng/ul m
RT: 17.286 min Scan# 2414
Delta R.T. 0.029 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

Instrument :
BNA_P
ClientSampleId :
DCLF8



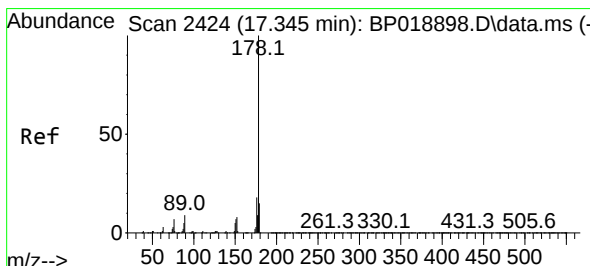
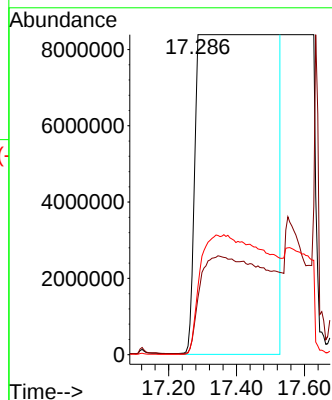
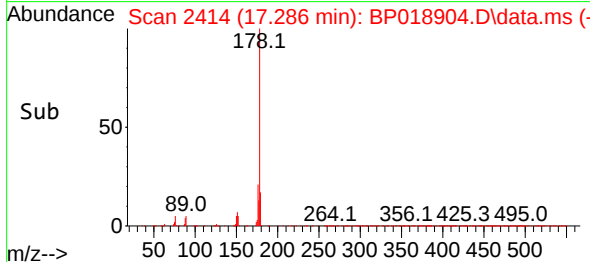
Tgt Ion:178 Resp:12905309
Ion Ratio Lower Upper
178 100
179 17.9 12.3 18.5
176 21.3 15.4 23.2

Manual Integrations
APPROVED

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

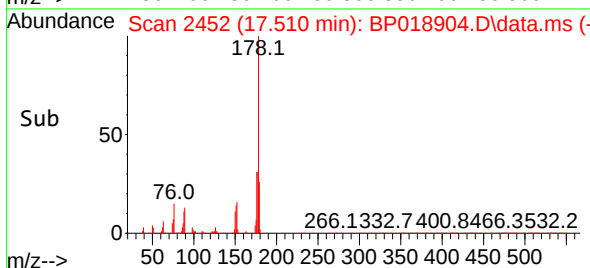
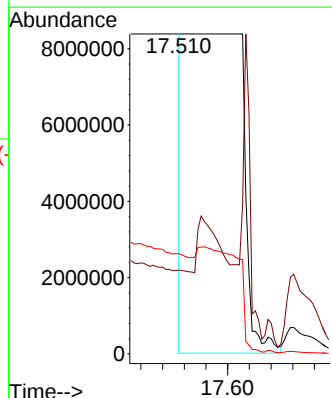
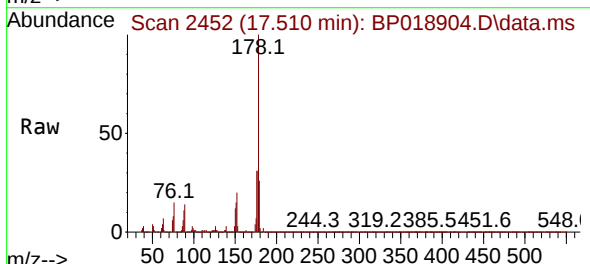
12/19/2023
Supervised By :mohammad
ahmed

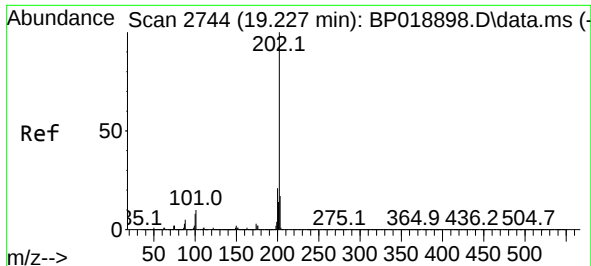
12/20/2023



#74
Anthracene
Concen: 3559.381 ng/ul m
RT: 17.510 min Scan# 2452
Delta R.T. 0.165 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

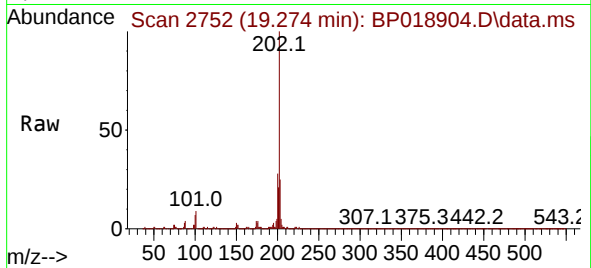
Tgt Ion:178 Resp:62475044
Ion Ratio Lower Upper
178 100
179 26.2 12.5 18.7#
176 31.3 15.0 22.6#





#80
Fluoranthene
Concen: 1735.589 ng/ul m
RT: 19.274 min Scan# 21
Delta R.T. 0.047 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

Instrument :
BNA_P
ClientSampleId :
DCLF8



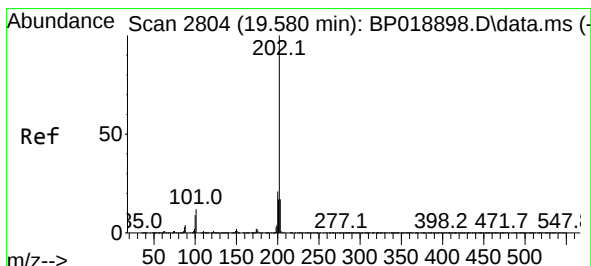
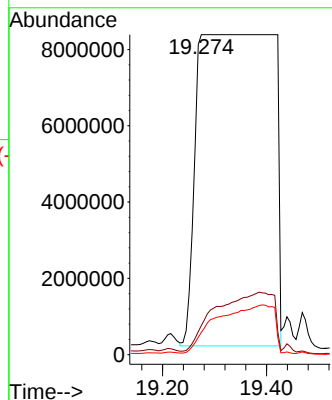
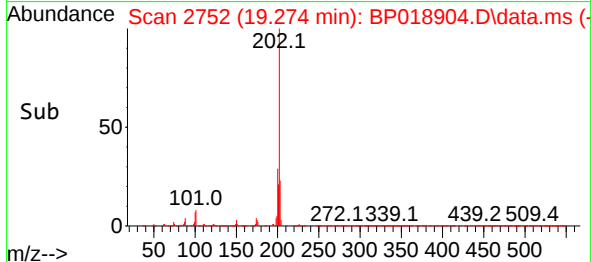
Tgt Ion:202 Resp:8136063
Ion Ratio Lower Upper
202 100
101 9.1 9.1 13.7
100 6.9 7.1 10.7

Manual Integrations
APPROVED

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

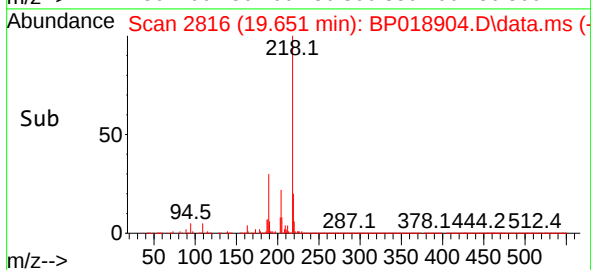
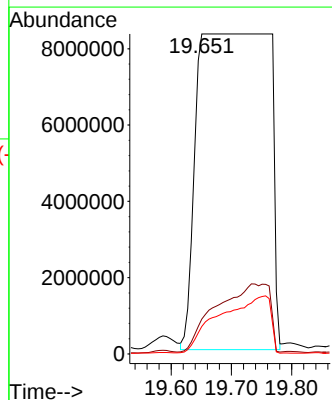
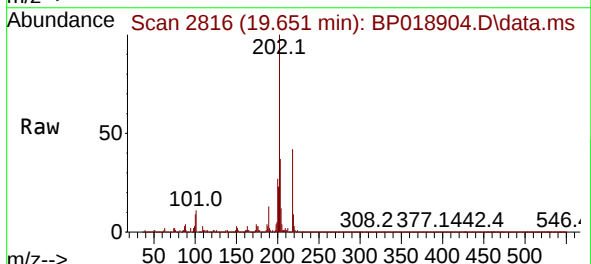
12/19/2023
Supervised By :mohammad
ahmed

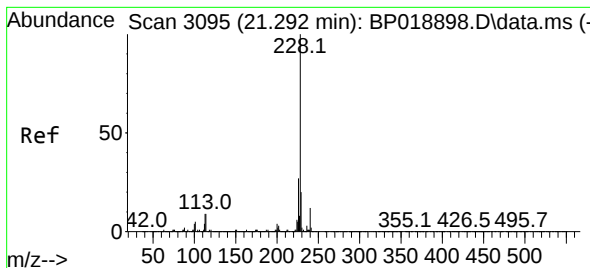
12/20/2023



#82
Pyrene
Concen: 1436.642 ng/ul m
RT: 19.651 min Scan# 2816
Delta R.T. 0.070 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

Tgt Ion:202 Resp:67940372
Ion Ratio Lower Upper
202 100
101 10.9 11.0 16.4#
100 8.6 9.1 13.7#





#85

Benzo(a)anthracene

Concen: 1007.252 ng/ul m

RT: 21.333 min Scan# 3102

Delta R.T. 0.047 min

Lab File: BP018904.D

Acq: 18 Dec 2023 13:31

Instrument :

BNA_P

ClientSampleId :

DCLF8

Tgt Ion:228 Resp:4165301

Ion Ratio Lower Upper

228 100

229 36.5 15.7 23.5

226 36.9 21.9 32.9

Manual Integrations

APPROVED

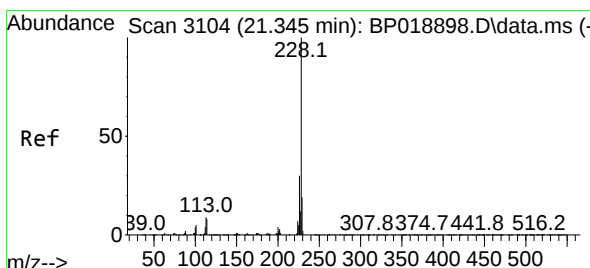
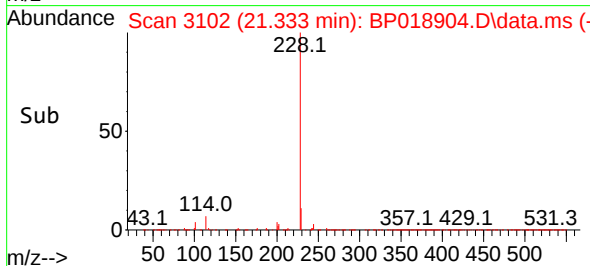
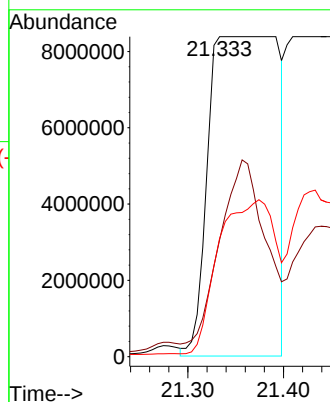
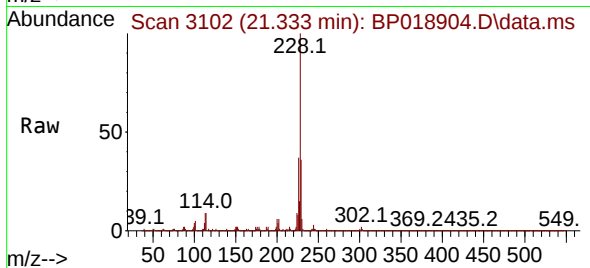
Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023

12/19/2023

Supervised By :mohammad
ahmed

12/20/2023



#87

Chrysene

Concen: 744.108 ng/ul m

RT: 21.410 min Scan# 3115

Delta R.T. 0.070 min

Lab File: BP018904.D

Acq: 18 Dec 2023 13:31

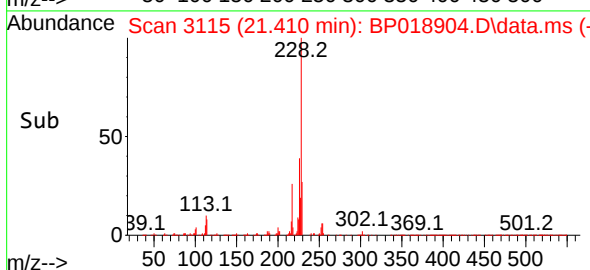
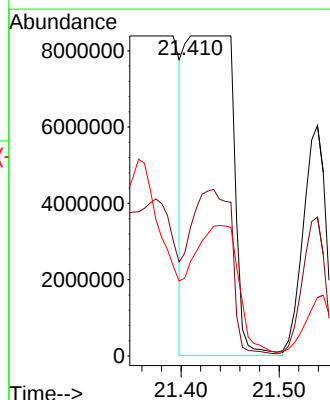
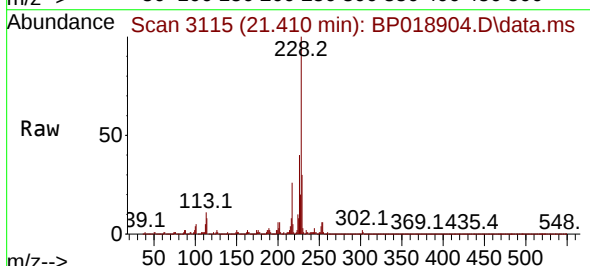
Tgt Ion:228 Resp:28336746

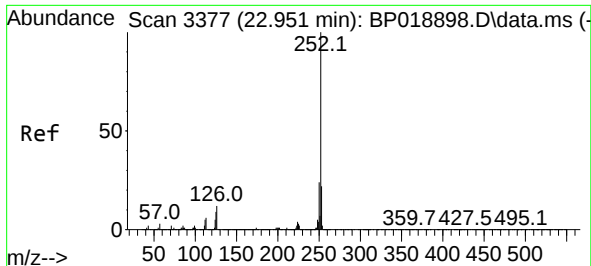
Ion Ratio Lower Upper

228 100

226 40.3 23.9 35.9#

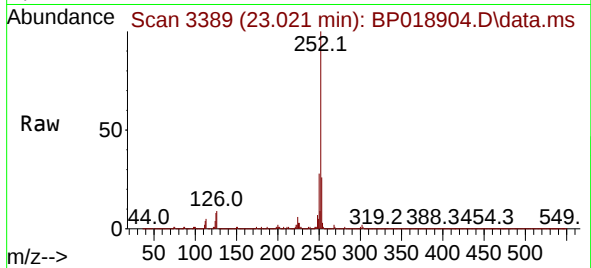
229 29.6 15.6 23.4#





#90
Benzo(b)fluoranthene
Concen: 421.302 ng/ul m
RT: 23.021 min Scan# 3389
Delta R.T. 0.076 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

Instrument :
BNA_P
ClientSampleId :
DCLF8



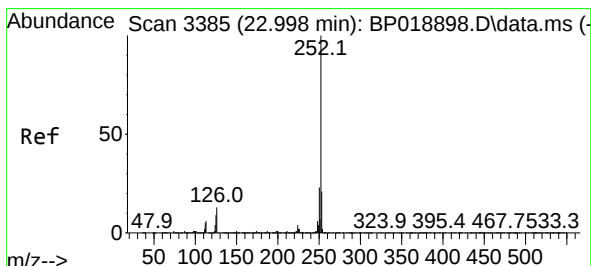
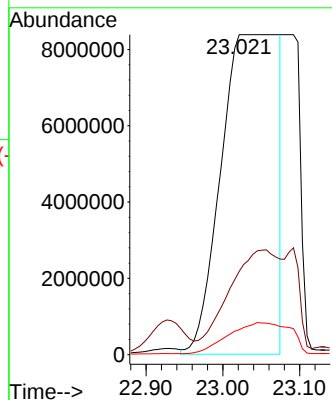
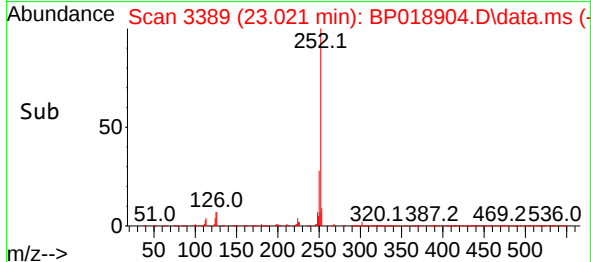
Tgt Ion:252 Resp:4281764
Ion Ratio Lower Upper
252 100
253 26.1 17.3 25.9
125 7.8 7.8 11.6

Manual Integrations
APPROVED

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

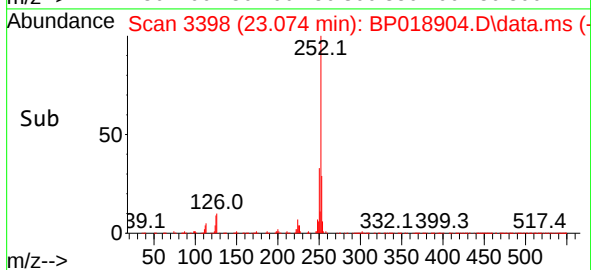
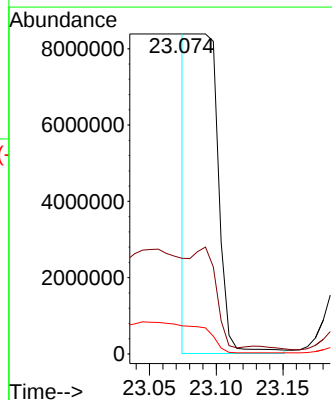
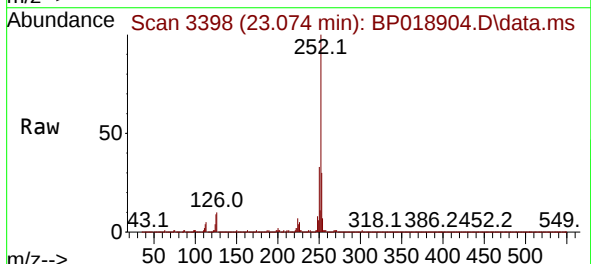
12/19/2023
Supervised By :mohammad
ahmed

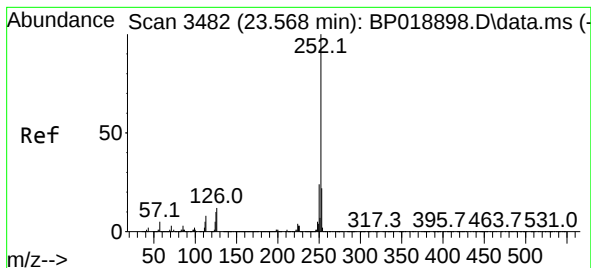
12/20/2023



#91
Benzo(k)fluoranthene
Concen: 134.431 ng/ul m
RT: 23.074 min Scan# 3398
Delta R.T. 0.082 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

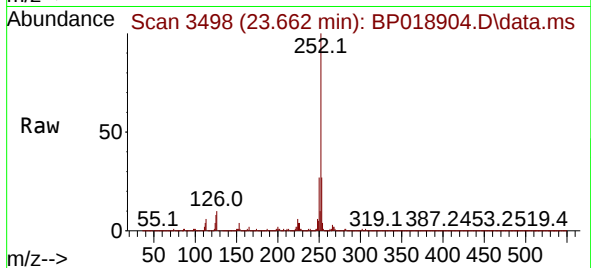
Tgt Ion:252 Resp:13219270
Ion Ratio Lower Upper
252 100
253 29.9 17.7 26.5
125 8.8 8.0 12.0





#93
Benzo(a)pyrene
Concen: 303.928 ng/ul m
RT: 23.662 min Scan# 3482
Delta R.T. 0.100 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

Instrument :
BNA_P
ClientSampleId :
DCLF8



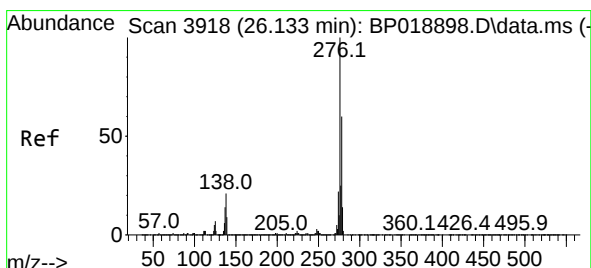
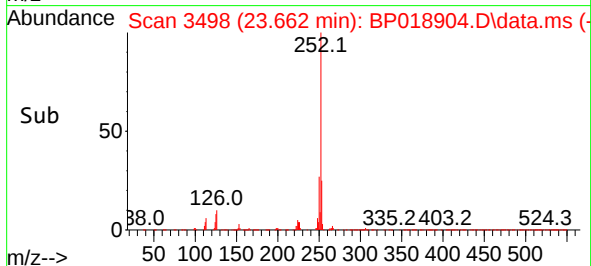
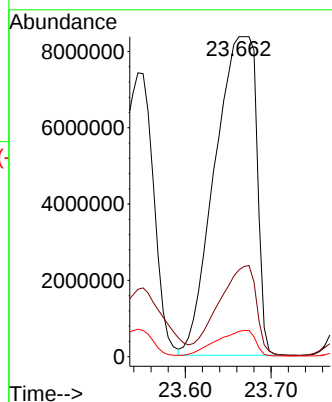
Tgt Ion:252 Resp:28223974
Ion Ratio Lower Upper
252 100
253 27.1 17.8 26.8
125 7.9 9.2 13.8

Manual Integrations
APPROVED

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

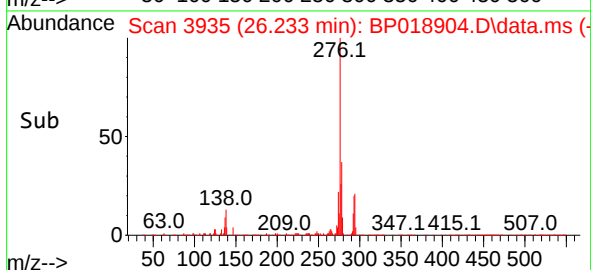
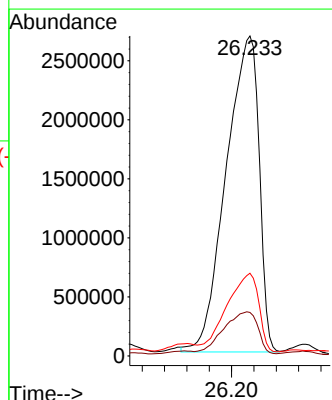
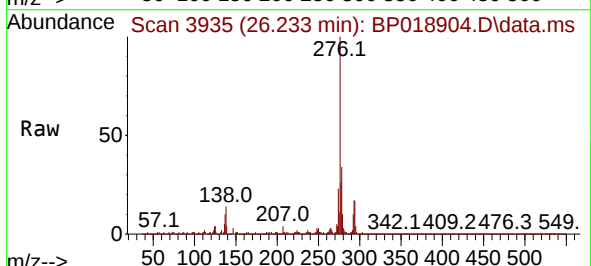
12/19/2023
Supervised By :mohammad
ahmed

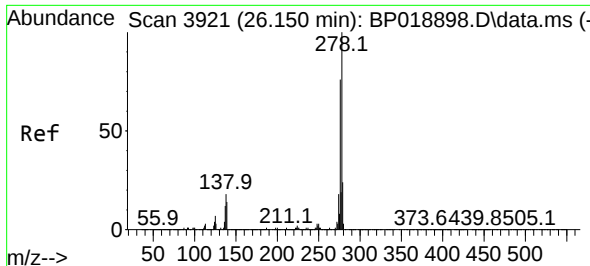
12/20/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 98.759 ng/ul m
RT: 26.233 min Scan# 3935
Delta R.T. 0.112 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

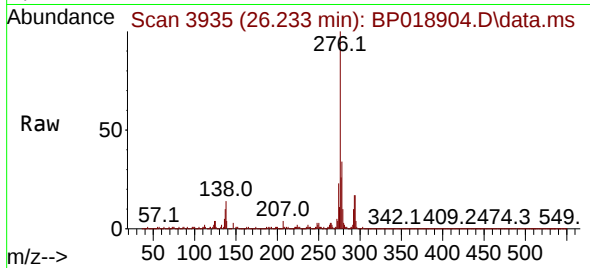
Tgt Ion:276 Resp:10957685
Ion Ratio Lower Upper
276 100
138 13.6 19.4 29.2
277 25.8 19.8 29.6





#95
Dibenzo(a,h)anthracene
Concen: 33.088 ng/ul m
RT: 26.233 min Scan# 3921
Delta R.T. 0.094 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

Instrument :
BNA_P
ClientSampleId :
DCLF8



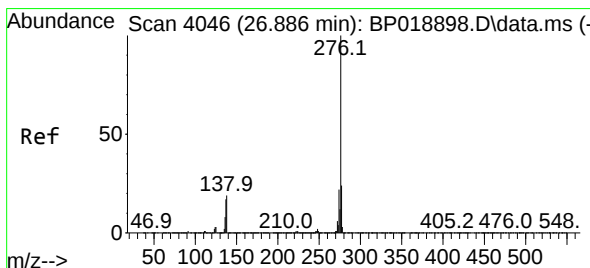
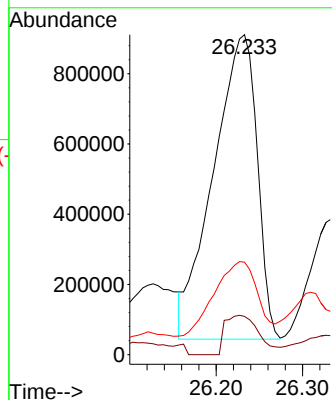
Tgt Ion:278 Resp: 3054014
Ion Ratio Lower Upper
278 100
139 12.0 13.0 19.6
279 28.9 18.7 28.1

Manual Integrations
APPROVED

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

12/19/2023
Supervised By :mohammad
ahmed

12/20/2023



#96
Benzo(g,h,i)perylene
Concen: 57.654 ng/ul m
RT: 26.980 min Scan# 4062
Delta R.T. 0.106 min
Lab File: BP018904.D
Acq: 18 Dec 2023 13:31

Tgt Ion:276 Resp: 5148097
Ion Ratio Lower Upper
276 100
138 17.1 18.1 27.1#
277 24.8 19.4 29.0

