

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018900.D
 Acq On : 18 Dec 2023 11:14
 Operator : MA/JU
 Sample : 05626-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF0

Quant Time: Dec 18 21:59:01 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	299207	20.000	ng/u1	0.00
20) Naphthalene-d8	10.622	136	1094952	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.457	164	666820	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	1529637	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1486816	20.000	ng/u1	0.00
88) Perylene-d12	23.680	264	1872882	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	28515	3.248	ng/uL	0.00
4) Pyridine-d5	3.675	84	330919	14.071	ng/u1	0.00
7) Phenol-d5	6.999	99	493528	16.436	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.163	67	291290	16.368	ng/u1	0.00
11) 2-Chlorophenol-d4	7.357	132	380870	16.256	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	373422	15.367	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	165519	16.984	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	163832	16.215	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.246	165	367942	17.809	ng/u1	0.00
31) 4-Chloroaniline-d4	10.763	131	346802	12.844	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	1118447	18.793	ng/u1	0.00
49) Acenaphthylene-d8	14.151	160	1244361	18.988	ng/u1	0.00
54) 4-Nitrophenol-d4	14.669	143	149237	15.276	ng/u1	0.00
60) Fluorene-d10	15.451	176	1025687	20.532	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	129190	14.086	ng/u1	0.00
73) Anthracene-d10	17.310	188	1680155	20.893	ng/u1	0.00
81) Pyrene-d10	19.557	212	2035784	17.590	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.533	264	2238991	20.503	ng/u1	0.02
Target Compounds						
						Qvalue
30) Naphthalene	10.669	128	101342	1.526	ng/u1	99
36) 2-Methylnaphthalene	12.281	142	96402	2.049	ng/u1	97
37) 1-Methylnaphthalene	12.498	142	82963	1.746	ng/u1	99
50) Acenaphthylene	14.181	152	923871	12.539	ng/u1	99
52) Acenaphthene	14.528	153	3013936	61.867	ng/u1	99
61) Fluorene	15.510	166	2079723	38.818	ng/u1	100
71) Pentachlorophenol	16.863	266	17452	1.361	ng/u1	100
72) Phenanthrene	17.257	178	7669552	83.019	ng/u1	99
74) Anthracene	17.351	178	6977038	75.344	ng/u1	100
80) Fluoranthene	19.227	202	19194510m	140.305	ng/u1	
82) Pyrene	19.586	202	18899751m	136.943	ng/u1	
85) Benzo(a)anthracene	21.298	228	7623961	63.173	ng/u1	95
87) Chrysene	21.351	228	10847473	97.606	ng/u1	95
90) Benzo(b)fluoranthene	22.974	252	16584997	120.104	ng/u1	96
91) Benzo(k)fluoranthene	23.010	252	4047056m	30.290	ng/u1	
93) Benzo(a)pyrene	23.586	252	6689875	53.020	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	26.151	276	5251785	34.837	ng/u1#	93
96) Benzo(g,h,i)perylene	26.909	276	4202706	34.641	ng/u1	95

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

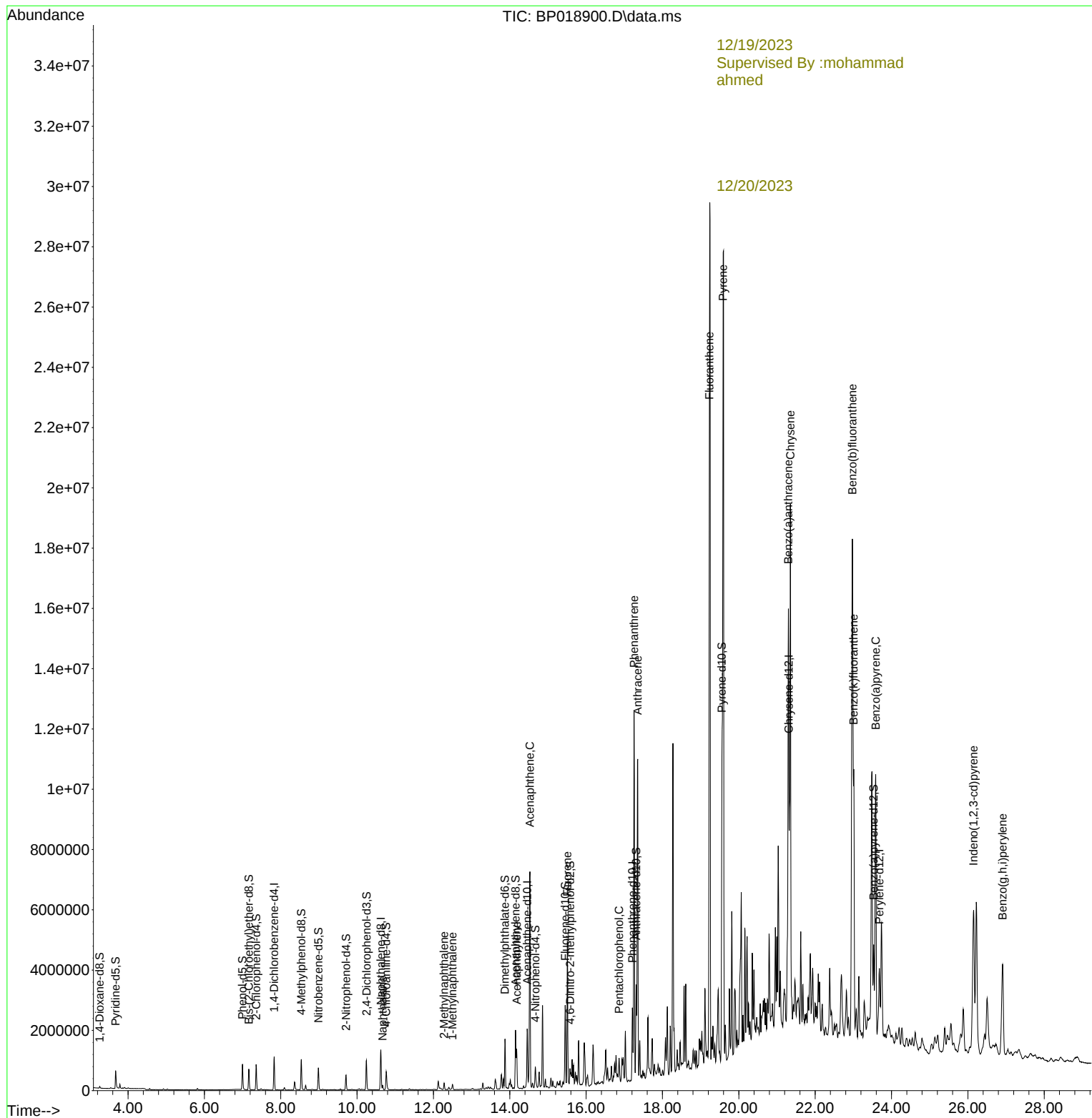
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
Data File : BP018900.D
Acq On : 18 Dec 2023 11:14
Operator : MA/JU
Sample : 05626-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

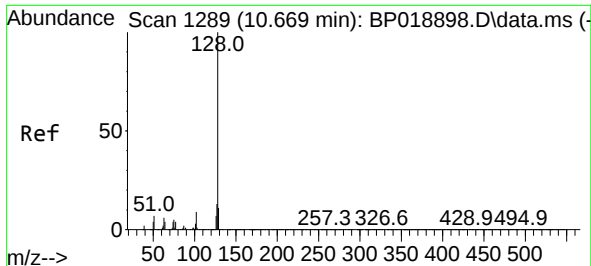
Instrument :
BNA_P
ClientSampleId :
DCLF0

Quant Time: Dec 18 21:59:01 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





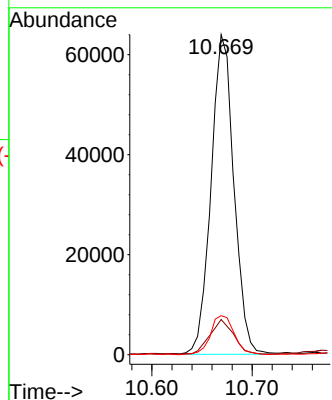
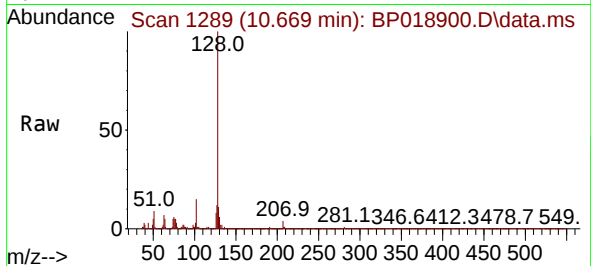
#30
Naphthalene
Concen: 1.526 ng/ul
RT: 10.669 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

Instrument :
BNA_P
ClientSampleId :
DCLF0

Tgt Ion:128 Resp: 10134
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.2 10.5 15.7

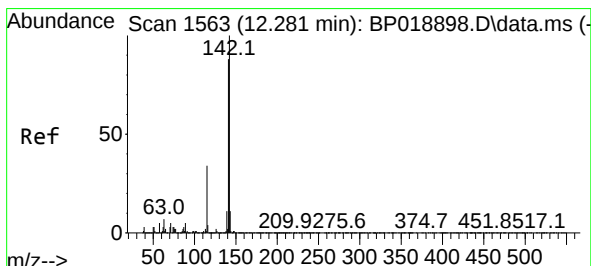
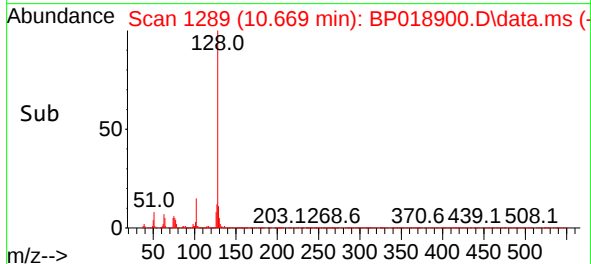
Manual Integrations
APPROVED

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



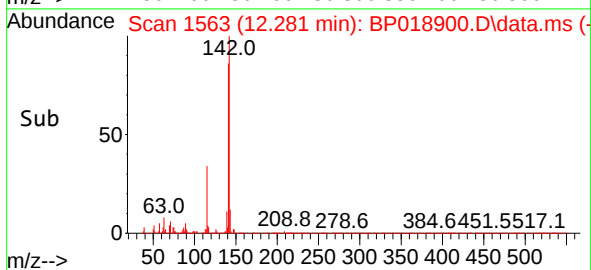
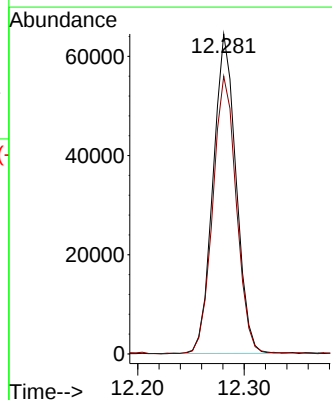
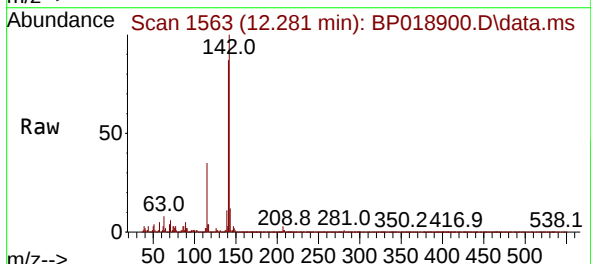
12/19/2023
Supervised By :mohammad
ahmed

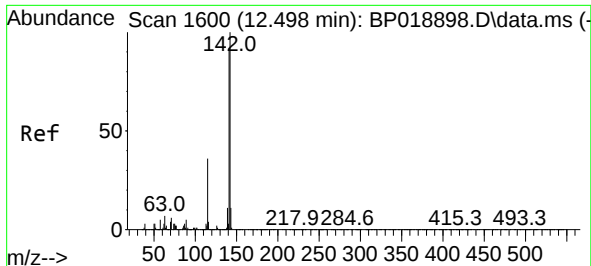
12/20/2023



#36
2-Methylnaphthalene
Concen: 2.049 ng/ul
RT: 12.281 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

Tgt Ion:142 Resp: 96402
Ion Ratio Lower Upper
142 100
141 86.8 71.4 107.0





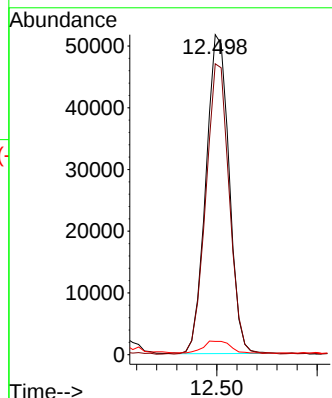
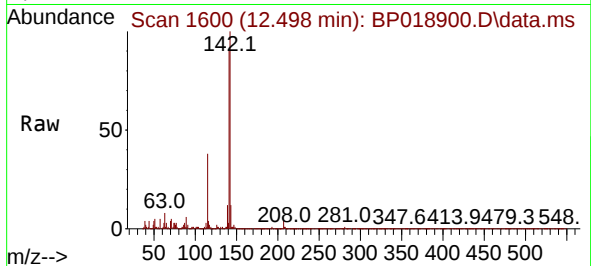
#37
1-Methylnaphthalene
Concen: 1.746 ng/ul
RT: 12.498 min Scan# 1600
Delta R.T. -0.012 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

Instrument :
BNA_P
ClientSampleId :
DCLF0

Tgt Ion:142 Resp: 8296
Ion Ratio Lower Upper
142 100
141 90.9 73.5 110.3
116 4.2 2.8 4.2

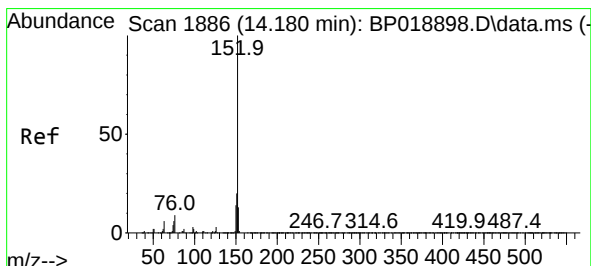
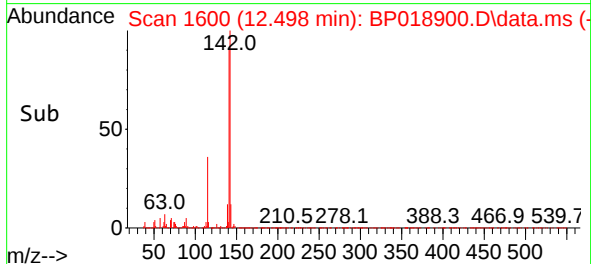
Manual Integrations
APPROVED

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



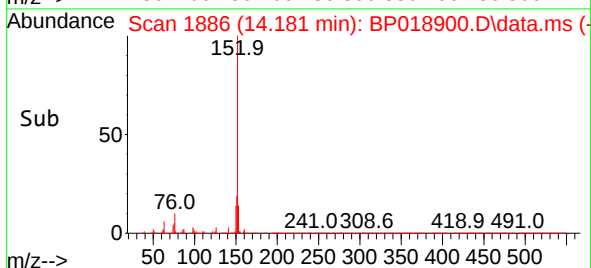
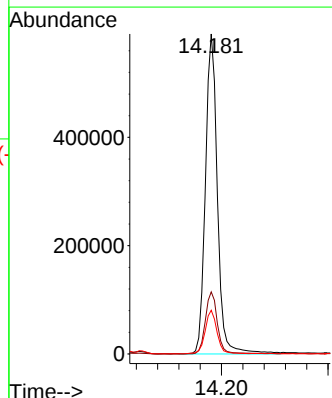
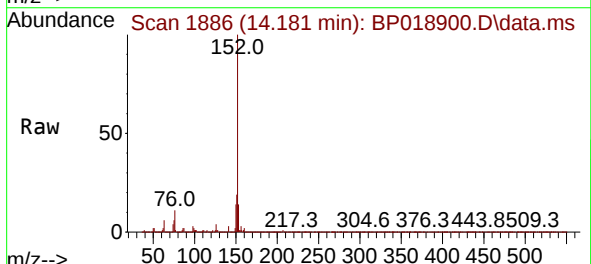
12/19/2023
Supervised By :mohammad
ahmed

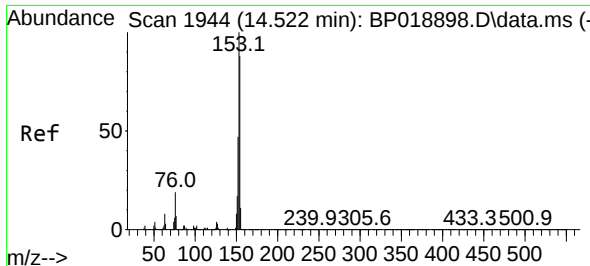
12/20/2023



#50
Acenaphthylene
Concen: 12.539 ng/ul
RT: 14.181 min Scan# 1886
Delta R.T. -0.006 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

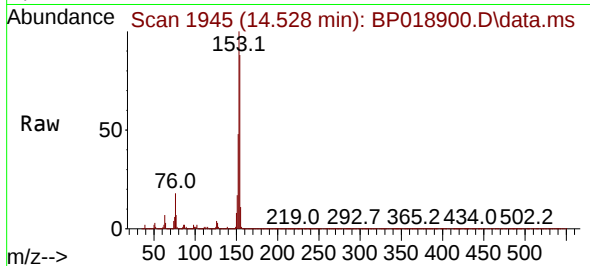
Tgt Ion:152 Resp: 923871
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 13.6 10.6 16.0





#52
Acenaphthene
Concen: 61.867 ng/ul
RT: 14.528 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

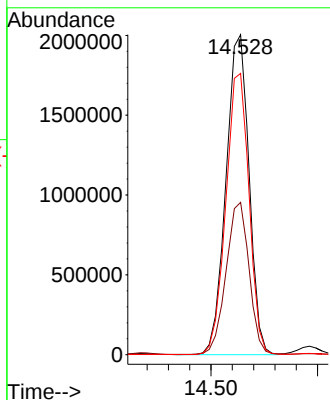
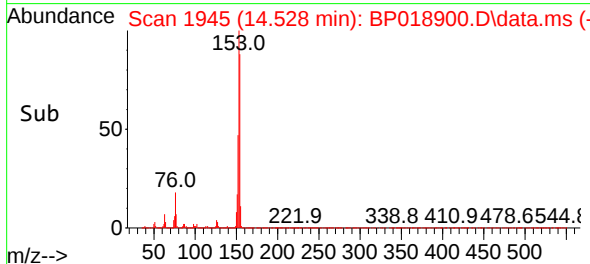
Instrument :
BNA_P
ClientSampleId :
DCLF0



Tgt Ion:153 Resp: 3013930
Ion Ratio Lower Upper
153 100
152 47.6 38.1 57.1
154 87.9 71.7 107.5

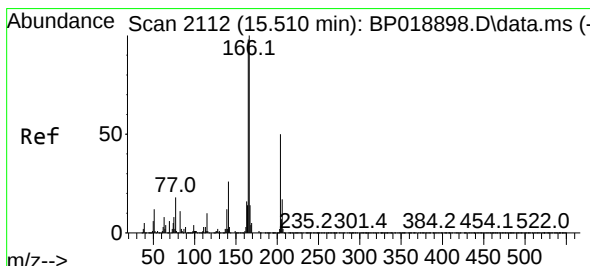
Manual Integrations
APPROVED

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



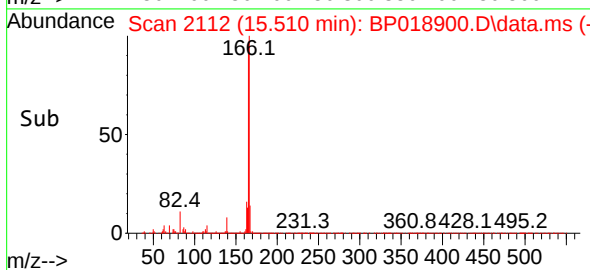
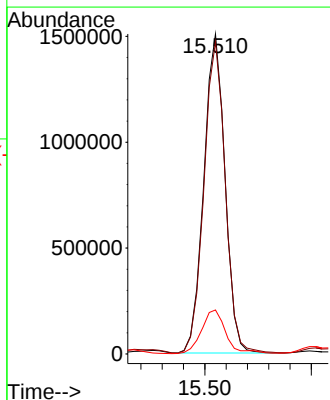
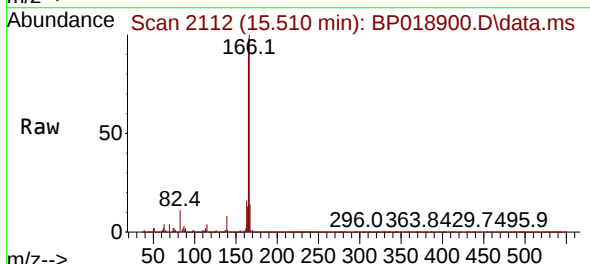
12/19/2023
Supervised By :mohammad
ahmed

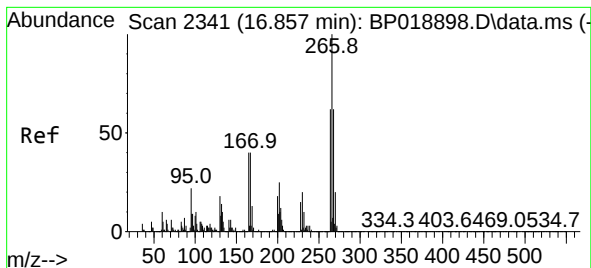
12/20/2023



#61
Fluorene
Concen: 38.818 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

Tgt Ion:166 Resp: 2079723
Ion Ratio Lower Upper
166 100
165 97.5 78.0 117.0
167 13.7 10.8 16.2





#71

Pentachlorophenol

Concen: 1.361 ng/ul

RT: 16.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

DCLF0

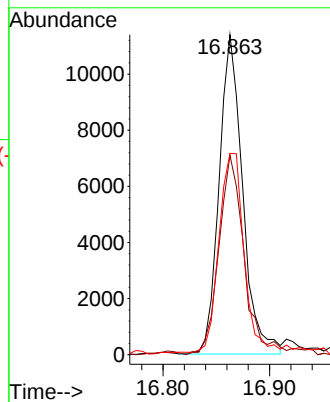
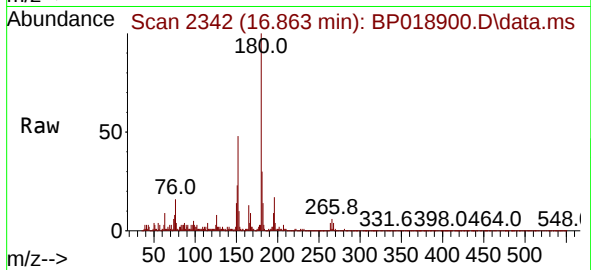
Tgt Ion:	266	Resp:	1745
Ion Ratio	Lower	Upper	
266	100		
264	62.3	50.2	75.2
268	62.9	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

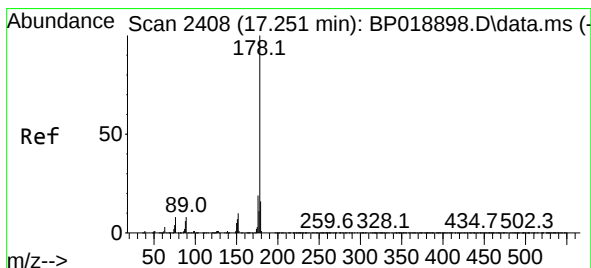
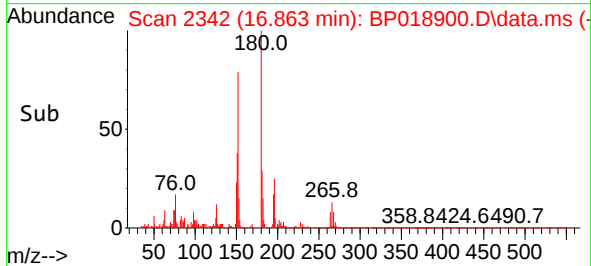
Supervised By :mohammad ahmed 12/20/2023



12/19/2023

Supervised By :mohammad
ahmed

12/20/2023



#72

Phenanthrene

Concen: 83.019 ng/ul

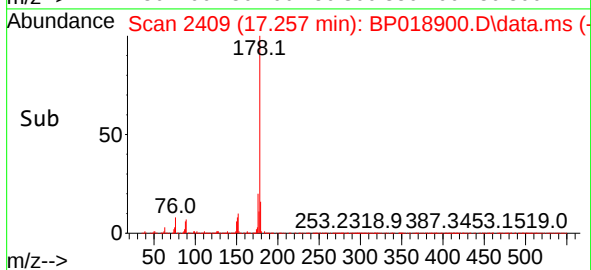
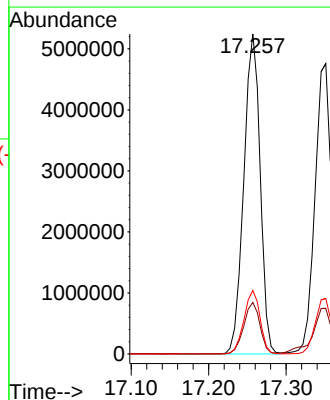
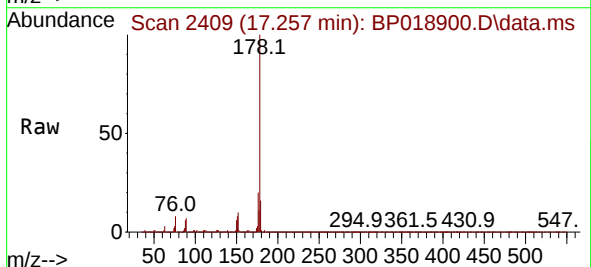
RT: 17.257 min Scan# 2409

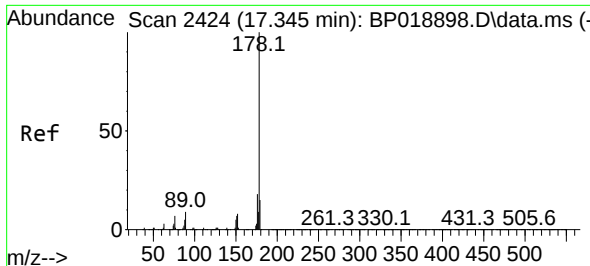
Delta R.T. 0.000 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

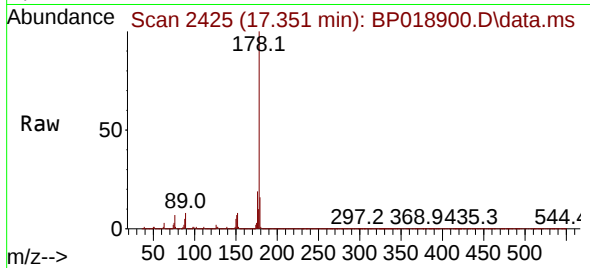
Tgt Ion:	178	Resp:	7669552
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.3	18.5
176	19.9	15.4	23.2





#74
 Anthracene
 Concen: 75.344 ng/ul
 RT: 17.351 min Scan# 2424
 Delta R.T. 0.006 min
 Lab File: BP018900.D
 Acq: 18 Dec 2023 11:14

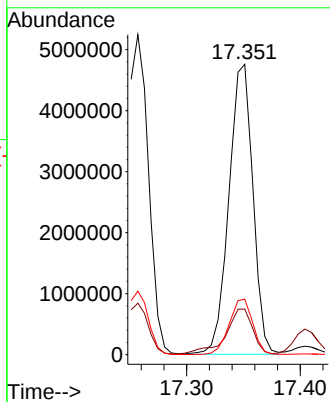
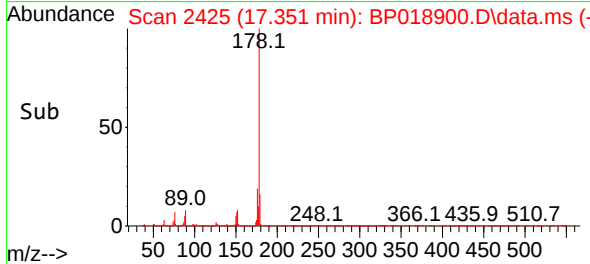
Instrument :
 BNA_P
 ClientSampleId :
 DCLF0



Tgt Ion:178 Resp: 6977038
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.5 18.7
 176 19.1 15.0 22.6

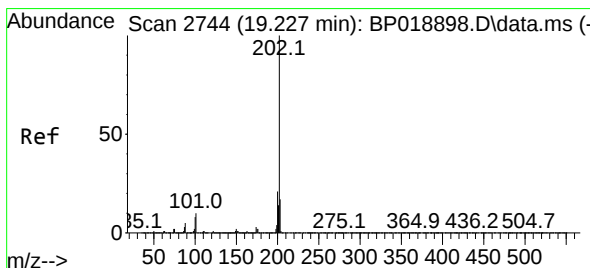
Manual Integrations
 APPROVED

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



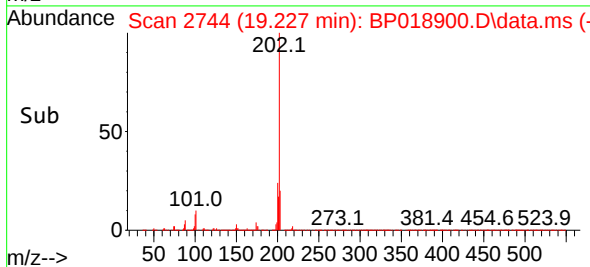
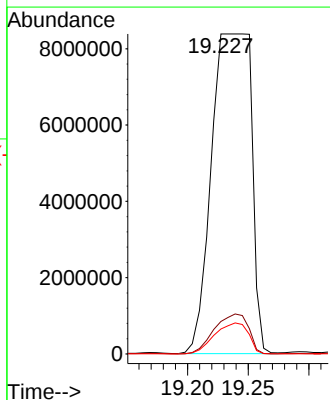
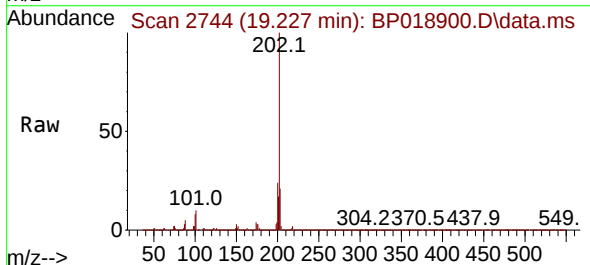
12/19/2023
 Supervised By :mohammad
 ahmed

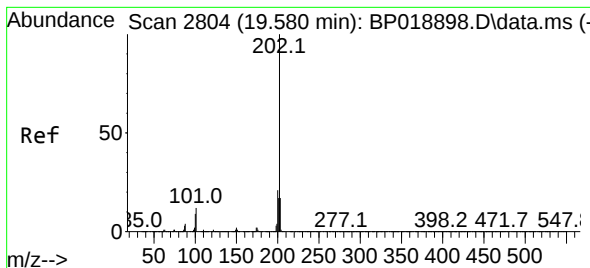
12/20/2023



#80
 Fluoranthene
 Concen: 140.305 ng/ul m
 RT: 19.227 min Scan# 2744
 Delta R.T. 0.000 min
 Lab File: BP018900.D
 Acq: 18 Dec 2023 11:14

Tgt Ion:202 Resp:19194510
 Ion Ratio Lower Upper
 202 100
 101 10.1 9.1 13.7
 100 7.8 7.1 10.7





#82

Pyrene

Concen: 136.943 ng/ul m

RT: 19.586 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

DCLF0

Tgt Ion:202 Resp:1889975

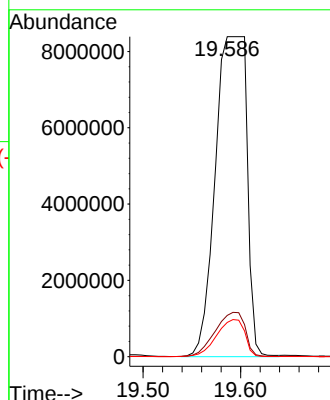
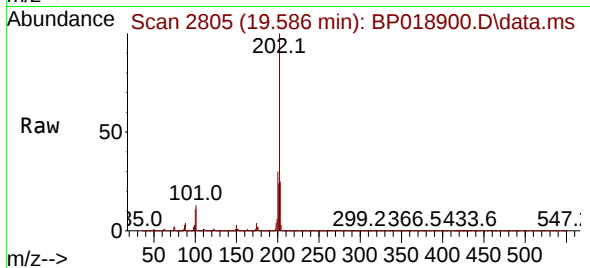
Ion	Ratio	Lower	Upper
202	100		
101	12.9	11.0	16.4
100	10.7	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

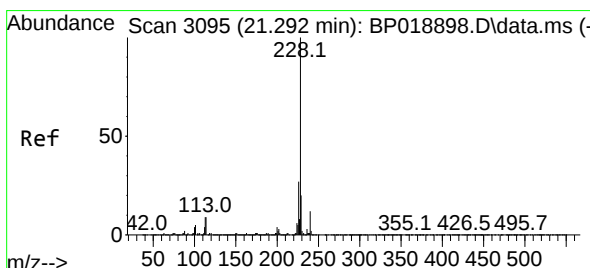
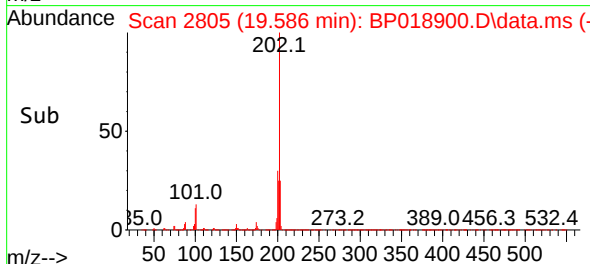
Supervised By :mohammad ahmed 12/20/2023



12/19/2023

Supervised By :mohammad
ahmed

12/20/2023



#85

Benzo(a)anthracene

Concen: 63.173 ng/ul

RT: 21.298 min Scan# 3096

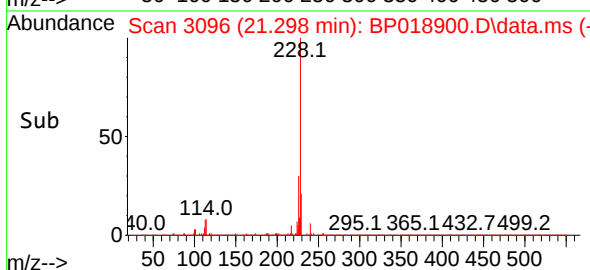
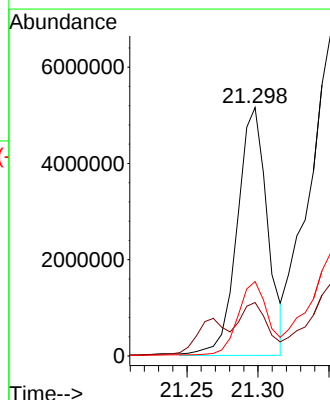
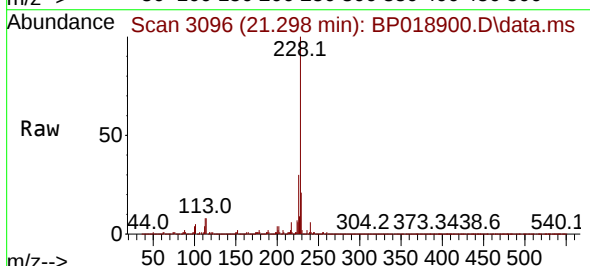
Delta R.T. 0.012 min

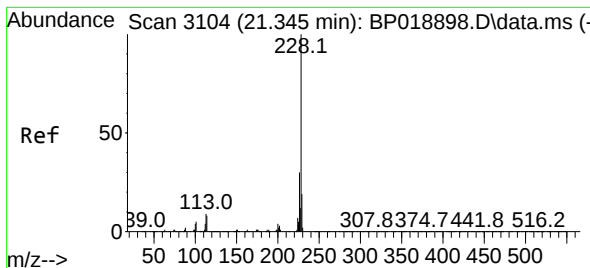
Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Tgt Ion:228 Resp: 7623961

Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.7	23.5
226	30.0	21.9	32.9





#87

Chrysene

Concen: 97.606 ng/ul

RT: 21.351 min Scan# 3104

Delta R.T. 0.012 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

DCLF0

Tgt Ion:228 Resp:1084747

Ion Ratio Lower Upper

228 100

226 32.0 23.9 35.9

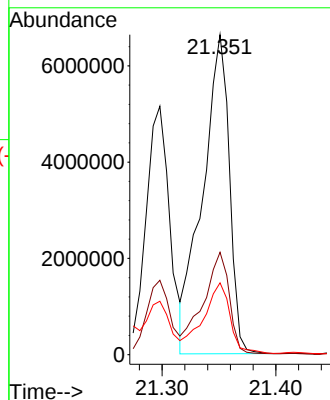
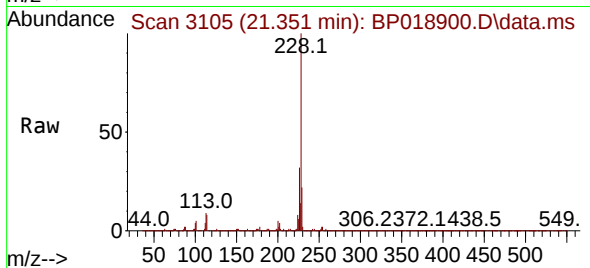
229 22.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

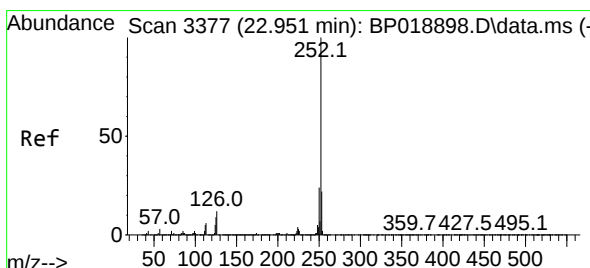
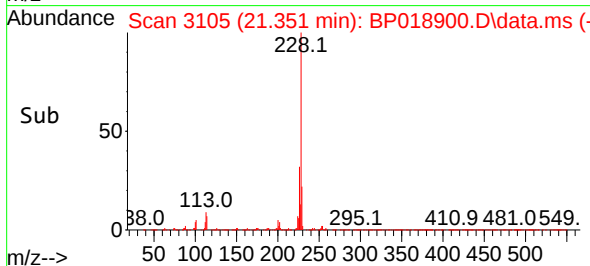
Supervised By :mohammad ahmed 12/20/2023



12/19/2023

Supervised By :mohammad
ahmed

12/20/2023



#90

Benzo(b)fluoranthene

Concen: 120.104 ng/ul

RT: 22.974 min Scan# 3381

Delta R.T. 0.029 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

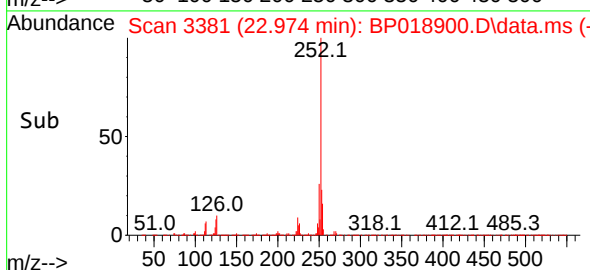
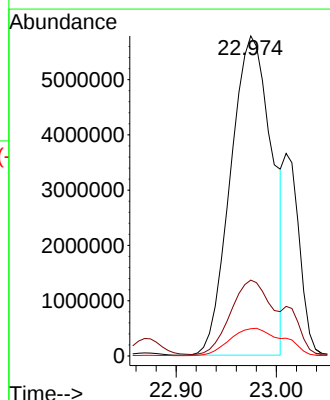
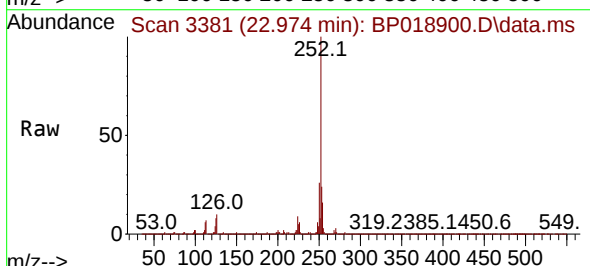
Tgt Ion:252 Resp:16584997

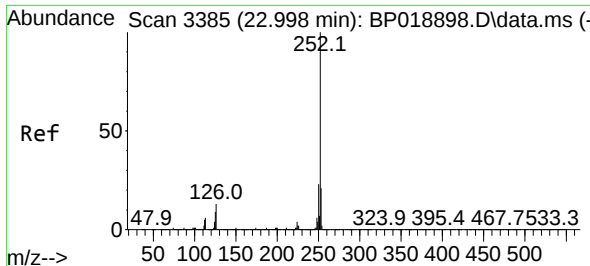
Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 8.5 7.8 11.6





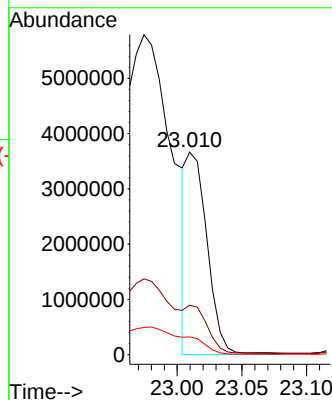
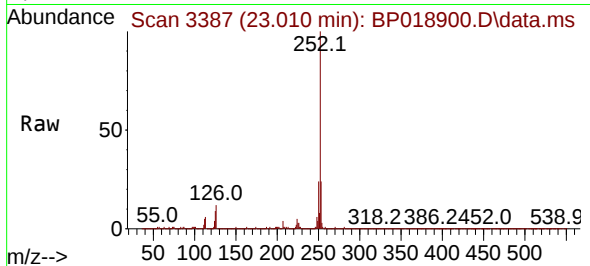
#91
Benzo(k)fluoranthene
Concen: 30.290 ng/ul m
RT: 23.010 min Scan# 318
Delta R.T. 0.018 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

Instrument :
BNA_P
ClientSampleId :
DCLF0

Tgt Ion:252 Resp: 4047050
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 8.8 8.0 12.0

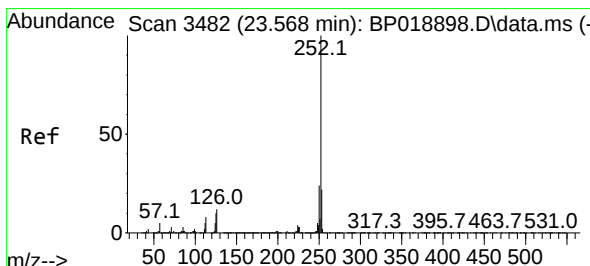
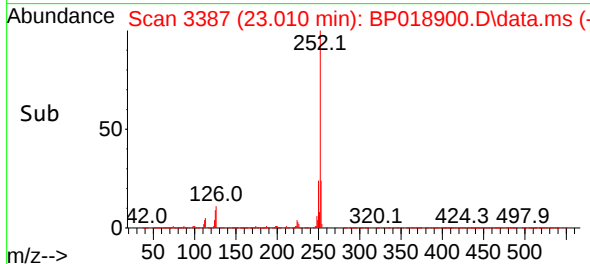
Manual Integrations
APPROVED

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



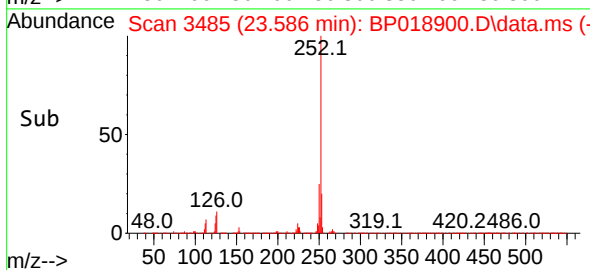
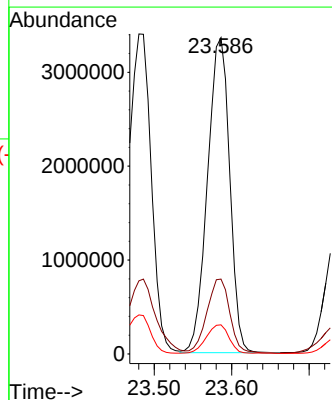
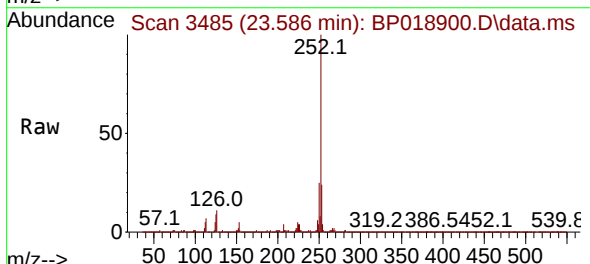
12/19/2023
Supervised By :mohammad
ahmed

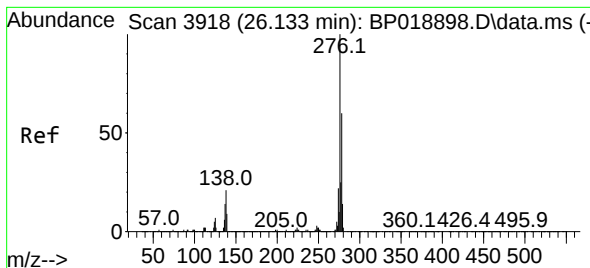
12/20/2023



#93
Benzo(a)pyrene
Concen: 53.020 ng/ul
RT: 23.586 min Scan# 3485
Delta R.T. 0.024 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

Tgt Ion:252 Resp: 6689875
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 9.2 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 34.837 ng/ul

RT: 26.151 min Scan# 3918

Delta R.T. 0.029 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

DCLF0

Tgt Ion:276 Resp: 525178

Ion Ratio Lower Upper

276 100

138 17.7 19.4 29.2

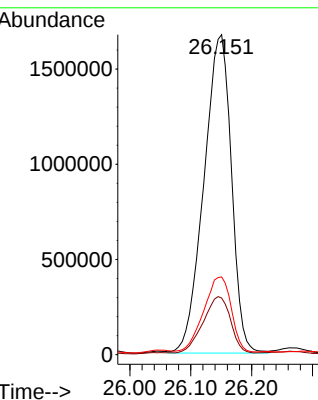
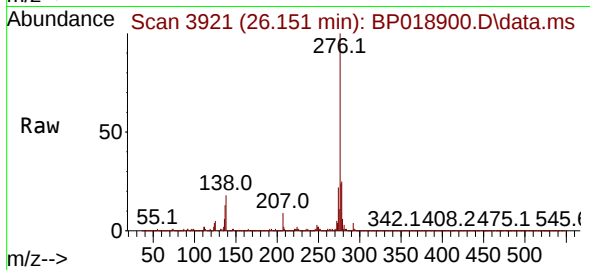
277 24.3 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

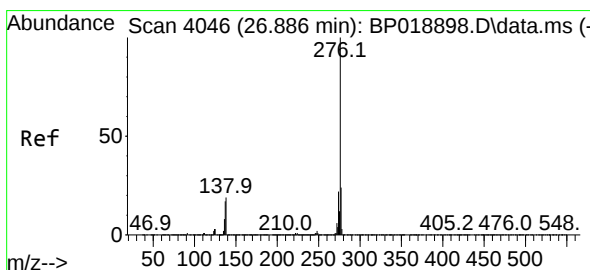
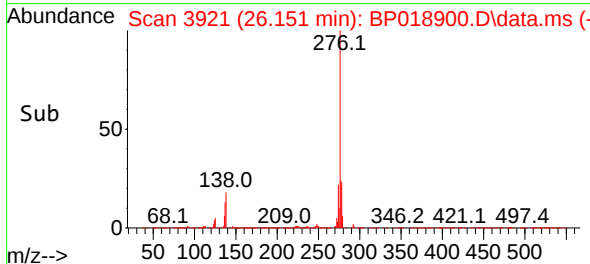
Supervised By :mohammad ahmed 12/20/2023



12/19/2023

Supervised By :mohammad
ahmed

12/20/2023



#96

Benzo(g,h,i)perylene

Concen: 34.641 ng/ul

RT: 26.909 min Scan# 4050

Delta R.T. 0.035 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Tgt Ion:276 Resp: 4202706

Ion Ratio Lower Upper

276 100

138 18.2 18.1 27.1

277 24.0 19.4 29.0

