

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018901.D
 Acq On : 18 Dec 2023 11:48
 Operator : MA/JU
 Sample : 05626-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF1

Manual Integrations
 APPROVED

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

Supervised By :mohammad
 ahmed
 12/20/2023

Quant Time: Dec 18 21:58:17 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	222041	20.000	ng/u1	0.00
20) Naphthalene-d8	10.622	136	801663	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.457	164	469664	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	999191	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	997031	20.000	ng/u1	0.00
88) Perylene-d12	23.680	264	1247987	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	24528	3.764	ng/uL	0.00
4) Pyridine-d5	3.681	84	113883	6.525	ng/u1	0.00
7) Phenol-d5	6.999	99	410162	18.407	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.163	67	240296	18.195	ng/u1	0.00
11) 2-Chlorophenol-d4	7.357	132	334790	19.255	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	305123	16.920	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	145039	20.328	ng/u1	0.00
24) 2-Nitrophenol-d4	9.704	143	152291	20.587	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.246	165	328763	21.735	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	165092	8.351	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	964449	23.008	ng/u1	0.00
49) Acenaphthylene-d8	14.151	160	1050765	22.765	ng/u1	0.00
54) 4-Nitrophenol-d4	14.669	143	123178	17.902	ng/u1	0.00
60) Fluorene-d10	15.451	176	831926	23.644	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.575	200	96833	16.163	ng/u1	0.00
73) Anthracene-d10	17.310	188	1314592	25.026	ng/u1	0.00
81) Pyrene-d10	19.557	212	1576767	20.316	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.527	264	1747954	24.021	ng/u1	0.01
Target Compounds						Qvalue
30) Naphthalene	10.669	128	86448	1.778	ng/u1	98
36) 2-Methylnaphthalene	12.281	142	65659	1.906	ng/u1	96
37) 1-Methylnaphthalene	12.498	142	62551	1.798	ng/u1	98
50) Acenaphthylene	14.181	152	862527	16.620	ng/u1	100
52) Acenaphthene	14.522	153	2413956	70.352	ng/u1	100
61) Fluorene	15.510	166	1350979	35.801	ng/u1	100
71) Pentachlorophenol	16.863	266	16084	1.920	ng/u1	96
72) Phenanthrene	17.257	178	5134984	85.092	ng/u1	99
74) Anthracene	17.345	178	6344277	104.882	ng/u1	99
80) Fluoranthene	19.227	202	17103414m	186.434	ng/u1	
82) Pyrene	19.586	202	18410874m	198.933	ng/u1	
85) Benzo(a)anthracene	21.292	228	6586559	81.388	ng/u1	96
87) Chrysene	21.351	228	9864775	132.368	ng/u1	95
90) Benzo(b)fluoranthene	22.974	252	15736927	171.026	ng/u1	96
91) Benzo(k)fluoranthene	23.010	252	3524376m	39.586	ng/u1	
93) Benzo(a)pyrene	23.586	252	6038954m	71.826	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.151	276	4800755	47.790	ng/u1#	93
96) Benzo(g,h,i)perylene	26.898	276	1863062	23.045	ng/u1	95

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

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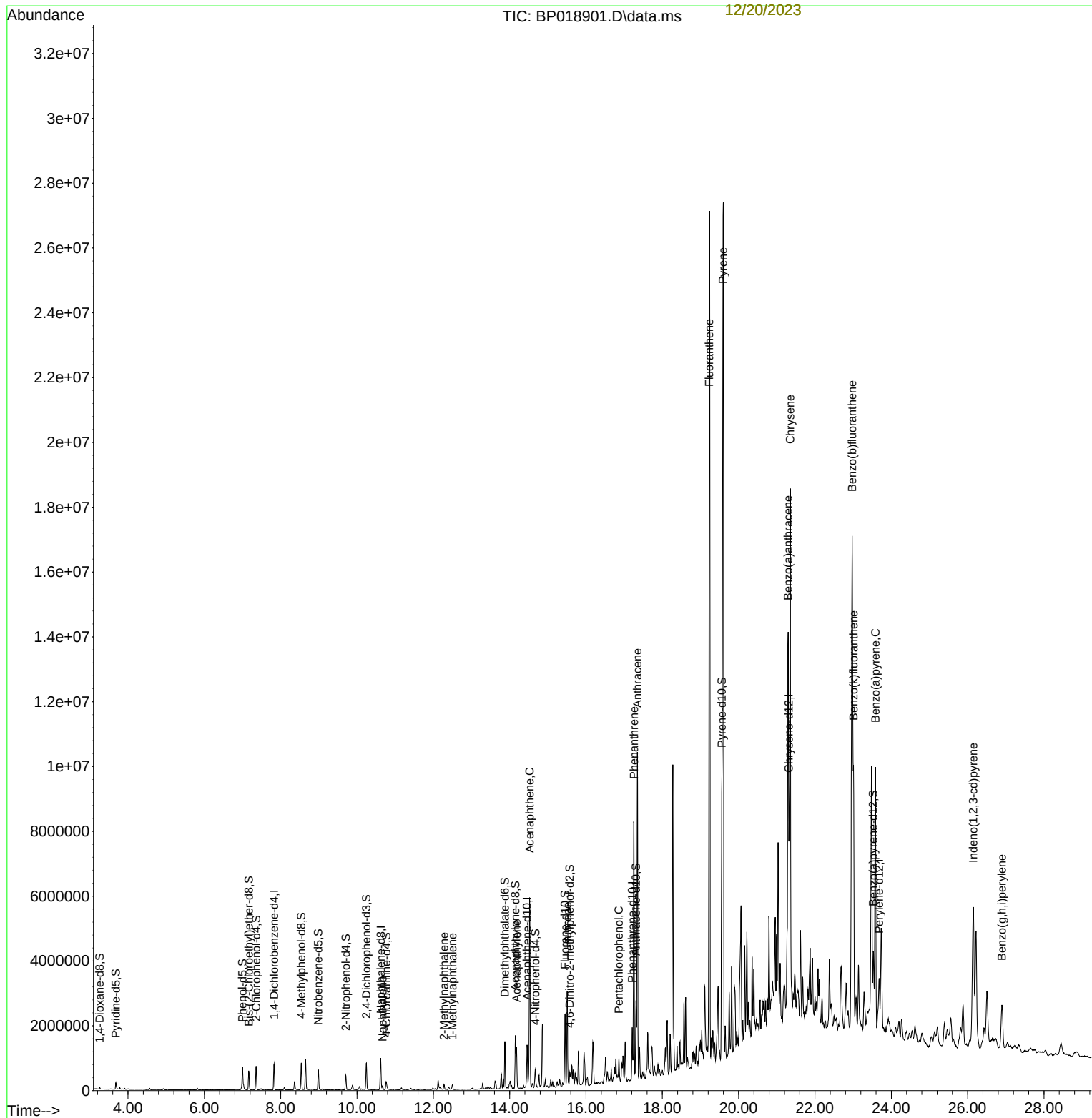
Instrument :
BNA_P
ClientSampleId :
DCLF1

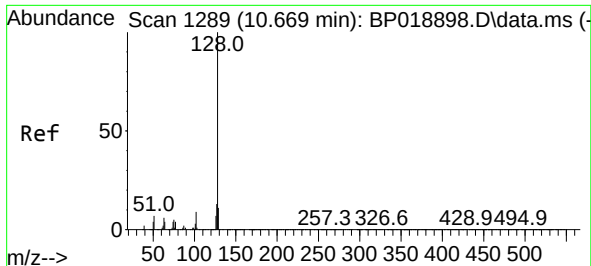
Quant Time: Dec 18 21:58:17 2023
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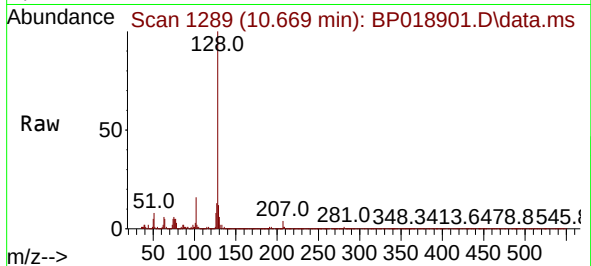
Supervised By :mohammad
ahmed
12/20/2023





#30
Naphthalene
Concen: 1.778 ng/ul
RT: 10.669 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Instrument :
BNA_P
ClientSampleId :
DCLF1

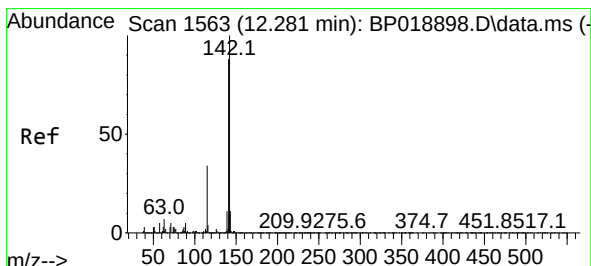
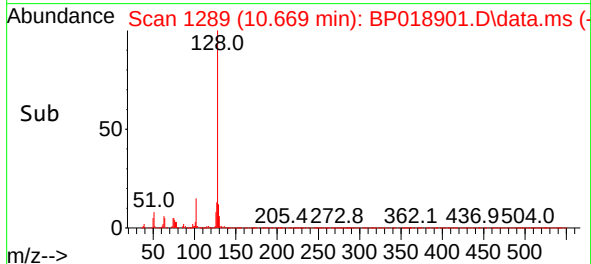
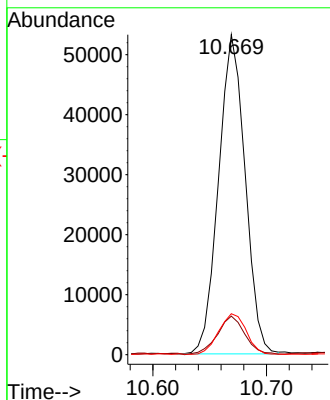


Tgt Ion:128 Resp: 86448
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 12.8 10.5 15.7

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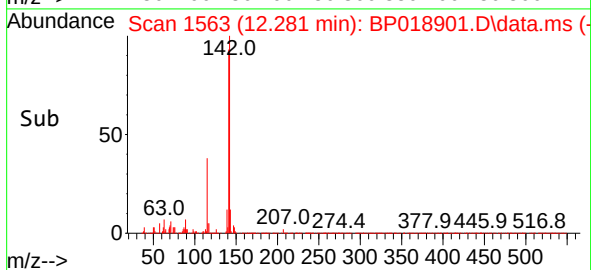
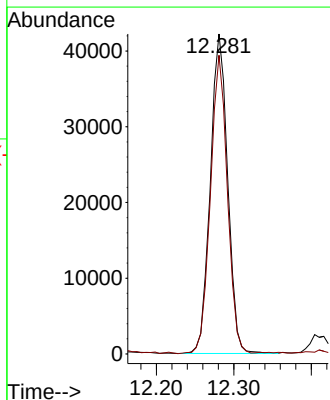
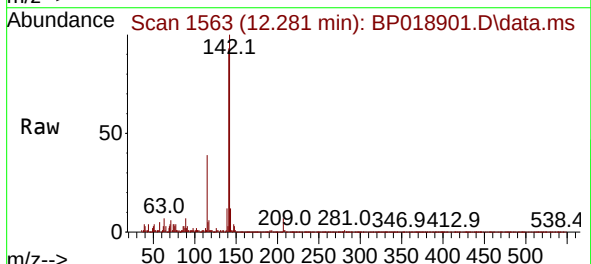
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

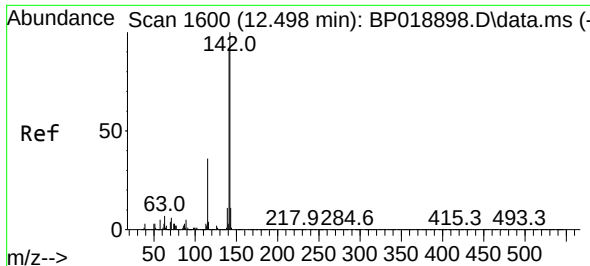
Supervised By :mohammad
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12/20/2023



#36
2-Methylnaphthalene
Concen: 1.906 ng/ul
RT: 12.281 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Tgt Ion:142 Resp: 65659
Ion Ratio Lower Upper
142 100
141 93.3 71.4 107.0





#37
1-Methylnaphthalene
Concen: 1.798 ng/ul
RT: 12.498 min Scan# 1600
Delta R.T. -0.012 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Instrument :

BNA_P

ClientSampleId :

DCLF1

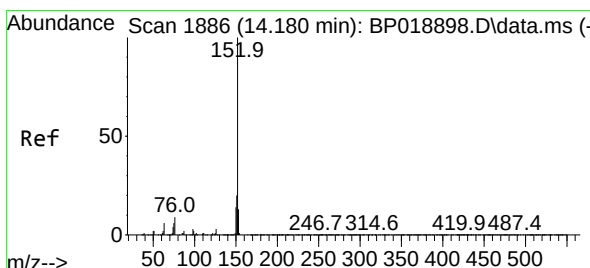
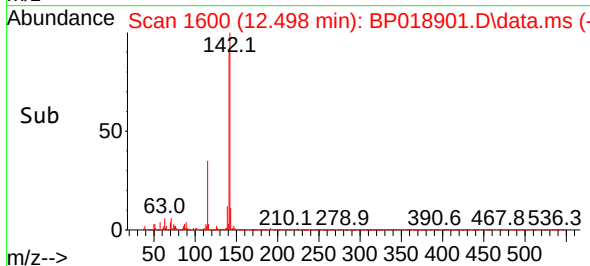
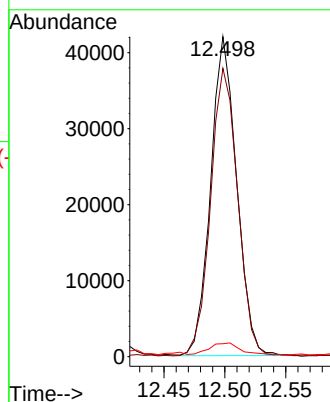
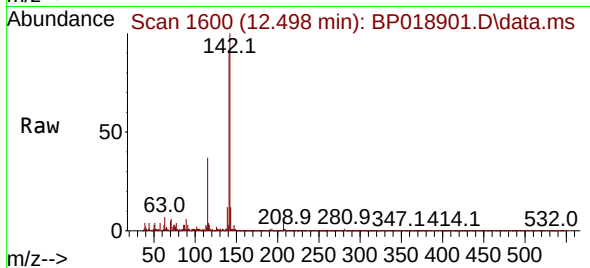
Tgt Ion:142 Resp: 6255
Ion Ratio Lower Upper
142 100
141 90.1 73.5 110.3
116 4.1 2.8 4.2

Manual Integrations

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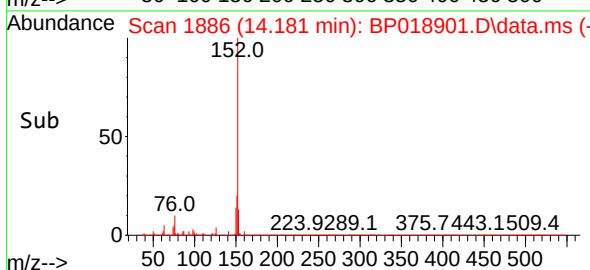
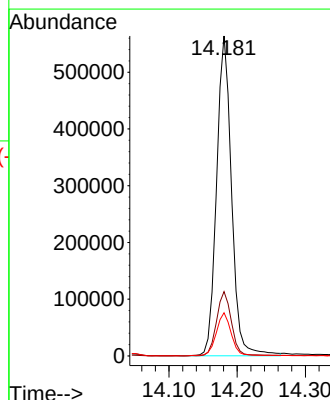
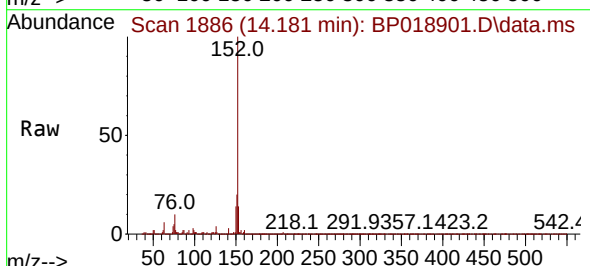
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

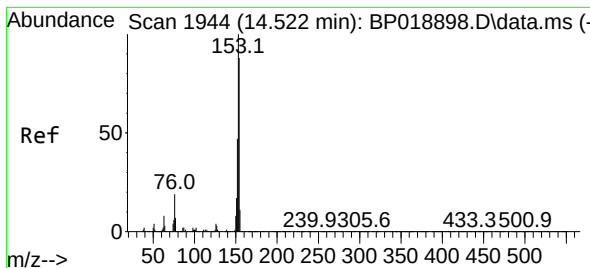
Supervised By :mohammad
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12/20/2023



#50
Acenaphthylene
Concen: 16.620 ng/ul
RT: 14.181 min Scan# 1886
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

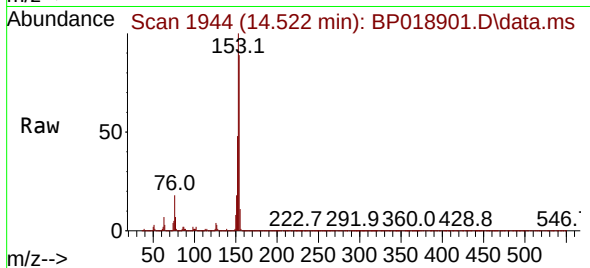
Tgt Ion:152 Resp: 862527
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.5 10.6 16.0





#52
Acenaphthene
Concen: 70.352 ng/ul
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Instrument :
BNA_P
ClientSampleId :
DCLF1

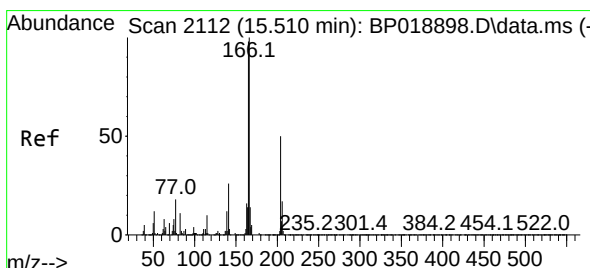
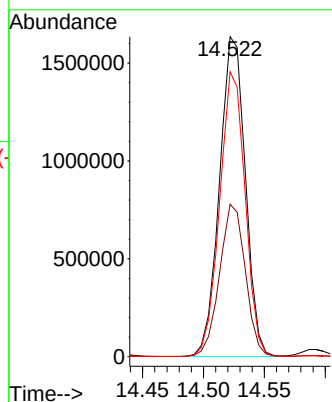
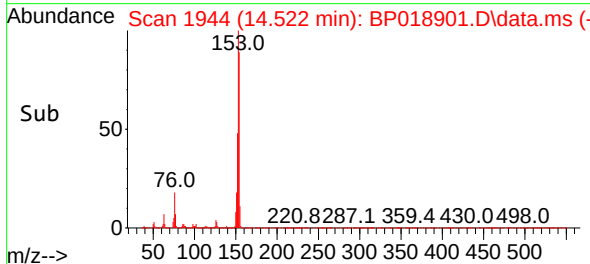


Tgt Ion:153 Resp: 2413950
Ion Ratio Lower Upper
153 100
152 47.7 38.1 57.1
154 89.1 71.7 107.5

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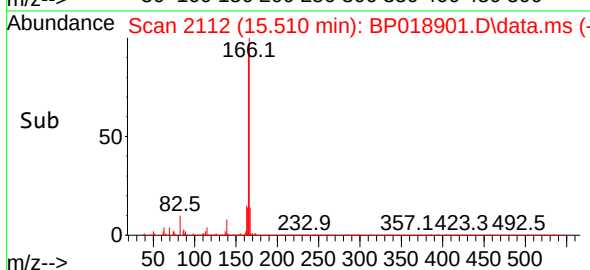
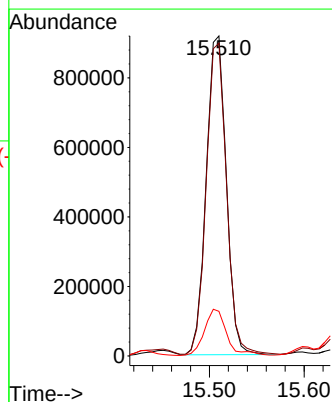
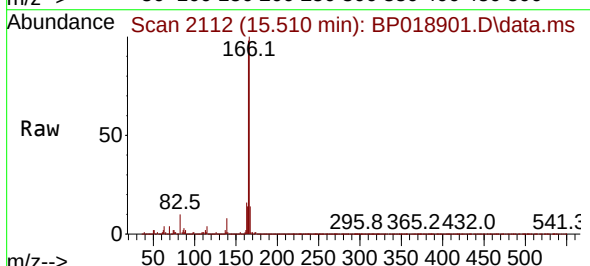
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

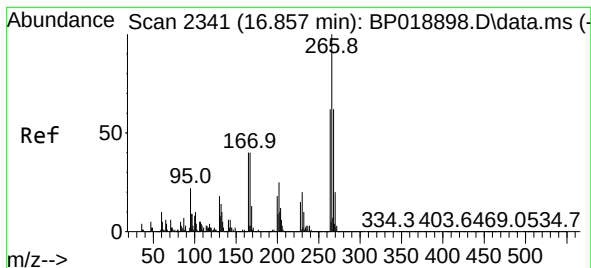
Supervised By :mohammad
ahmed
12/20/2023



#61
Fluorene
Concen: 35.801 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Tgt Ion:166 Resp: 1350979
Ion Ratio Lower Upper
166 100
165 97.7 78.0 117.0
167 14.0 10.8 16.2





#71

Pentachlorophenol

Concen: 1.920 ng/ul

RT: 16.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

Instrument :

BNA_P

ClientSampleId :

DCLF1

Tgt Ion:	266	Resp:	16084
Ion Ratio	Lower	Upper	
266	100		
264	57.4	50.2	75.2
268	62.1	50.5	75.7

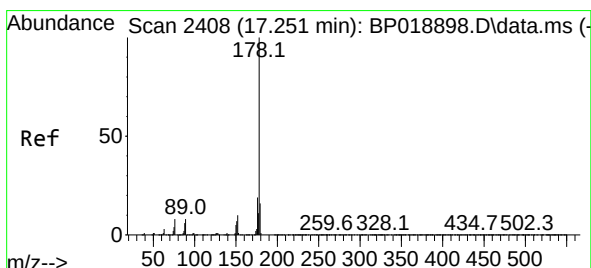
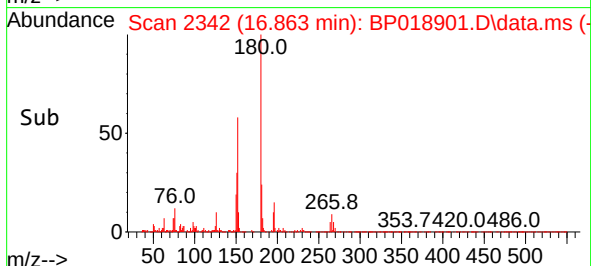
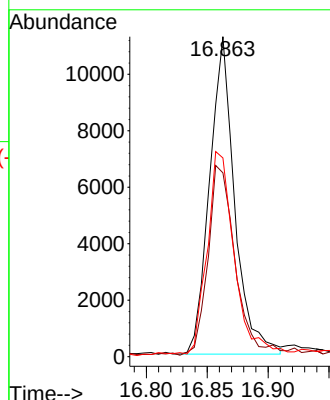
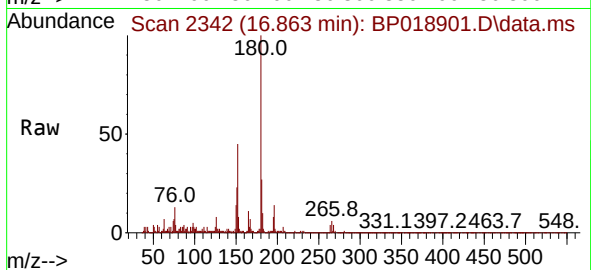
Manual Integrations

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ahmed
12/20/2023



#72

Phenanthrene

Concen: 85.092 ng/ul

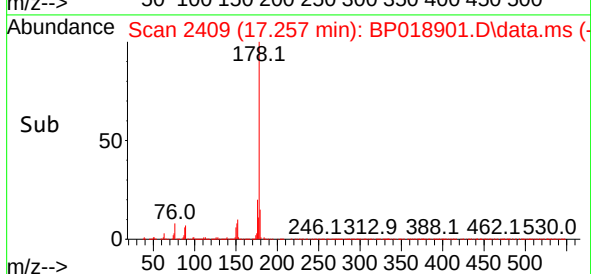
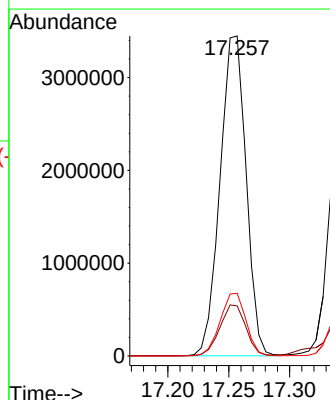
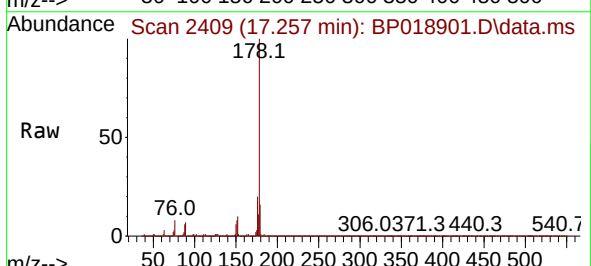
RT: 17.257 min Scan# 2409

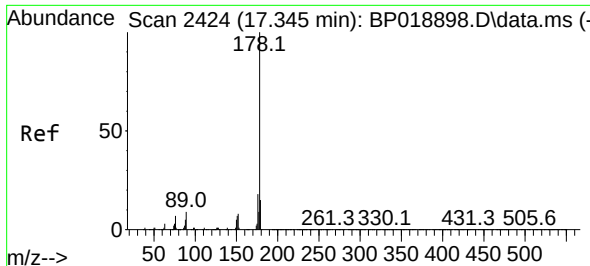
Delta R.T. -0.000 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

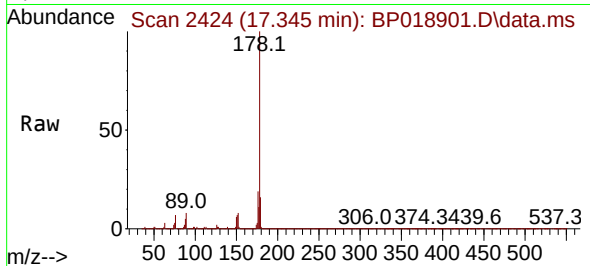
Tgt Ion:	178	Resp:	5134984
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.3	18.5
176	19.6	15.4	23.2





#74
 Anthracene
 Concen: 104.882 ng/ul
 RT: 17.345 min Scan# 2424
 Delta R.T. -0.000 min
 Lab File: BP018901.D
 Acq: 18 Dec 2023 11:48

Instrument :
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 ClientSampleId :
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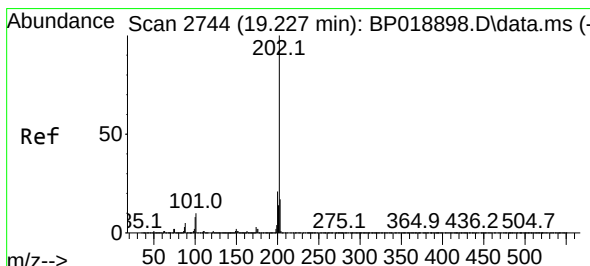
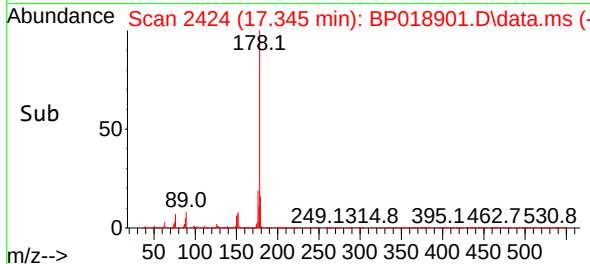
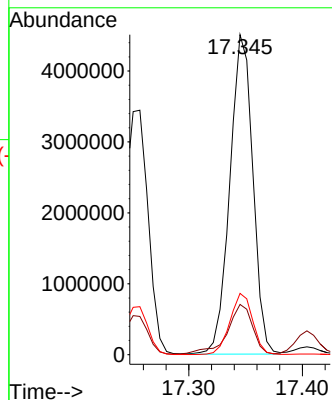


Tgt Ion:178 Resp: 634427
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.5 18.7
 176 19.2 15.0 22.6

Manual Integrations
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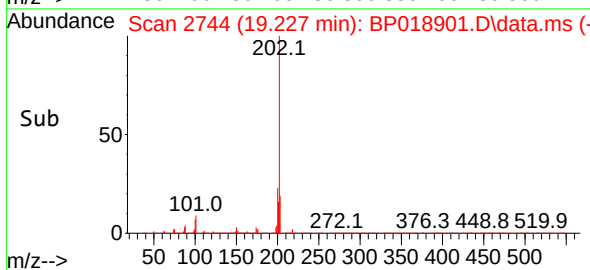
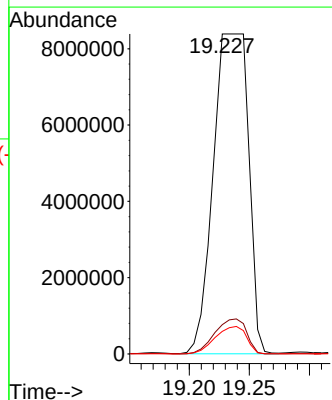
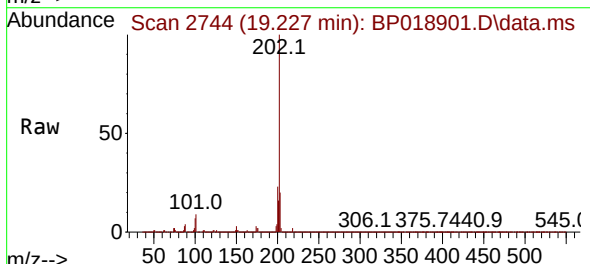
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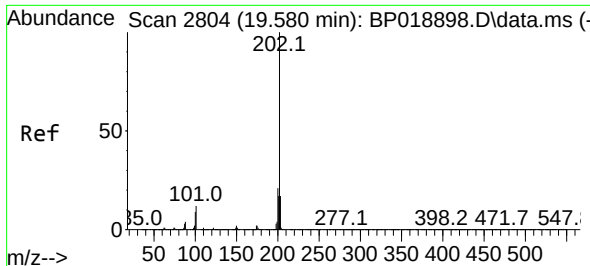
Supervised By :mohammad
 ahmed
 12/20/2023



#80
 Fluoranthene
 Concen: 186.434 ng/ul m
 RT: 19.227 min Scan# 2744
 Delta R.T. -0.000 min
 Lab File: BP018901.D
 Acq: 18 Dec 2023 11:48

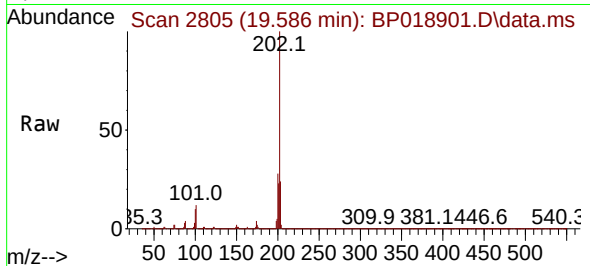
Tgt Ion:202 Resp:17103414
 Ion Ratio Lower Upper
 202 100
 101 9.1 9.1 13.7
 100 7.0 7.1 10.7#





#82
Pyrene
Concen: 198.933 ng/ul m
RT: 19.586 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Instrument :
BNA_P
ClientSampleId :
DCLF1

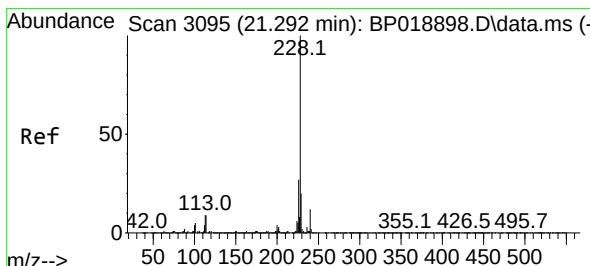
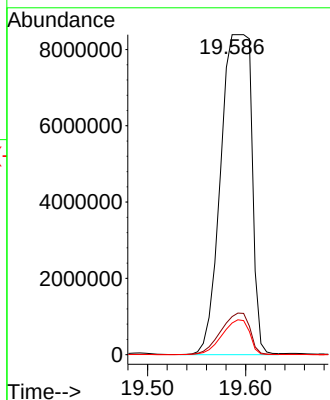
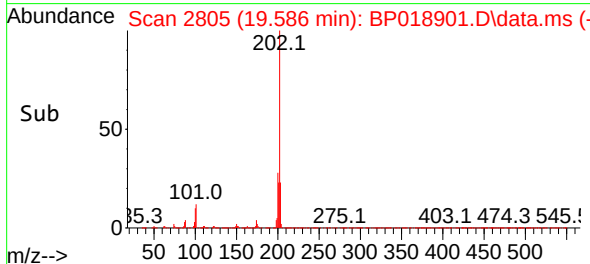


Tgt Ion:202 Resp:18410874
Ion Ratio Lower Upper
202 100
101 11.9 11.0 16.4
100 9.9 9.1 13.7

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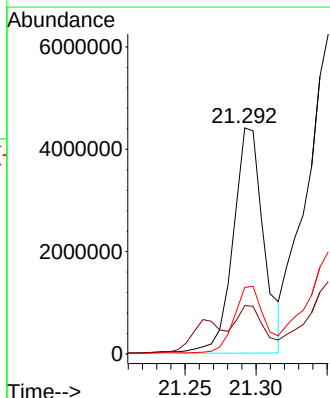
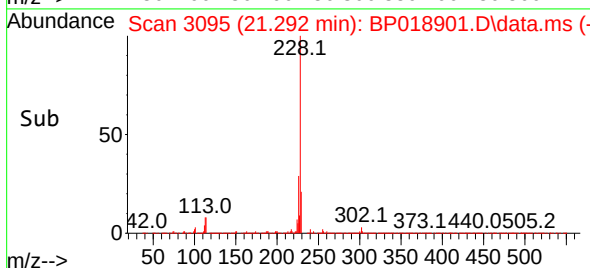
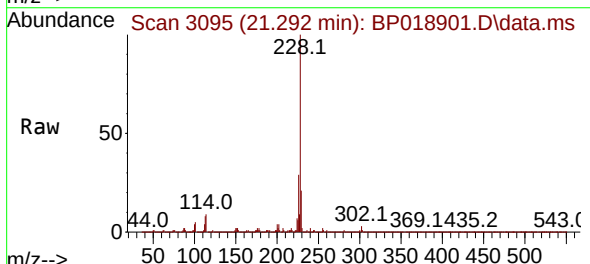
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

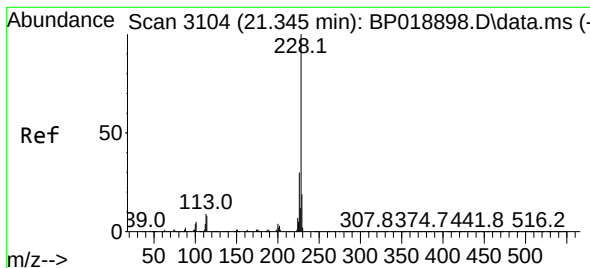
Supervised By :mohammad
ahmed
12/20/2023



#85
Benzo(a)anthracene
Concen: 81.388 ng/ul
RT: 21.292 min Scan# 3095
Delta R.T. 0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Tgt Ion:228 Resp: 6586559
Ion Ratio Lower Upper
228 100
229 21.4 15.7 23.5
226 29.4 21.9 32.9





#87

Chrysene

Concen: 132.368 ng/ul

RT: 21.351 min Scan# 3105

Delta R.T. 0.012 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

Instrument :

BNA_P

ClientSampleId :

DCLF1

Tgt Ion:228 Resp: 986477

Ion Ratio Lower Upper

228 100

226 31.9 23.9 35.9

229 22.6 15.6 23.4

Manual Integrations

APPROVED

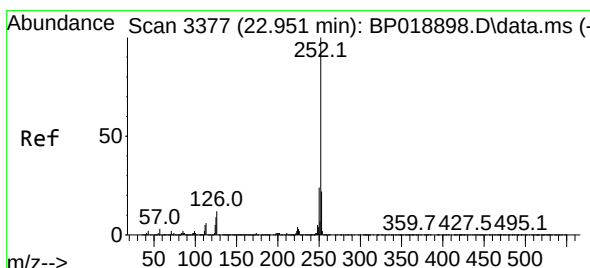
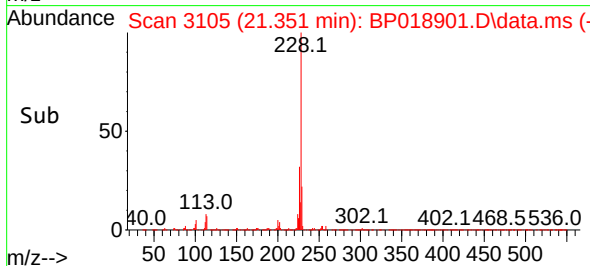
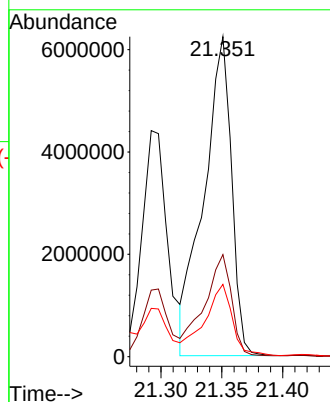
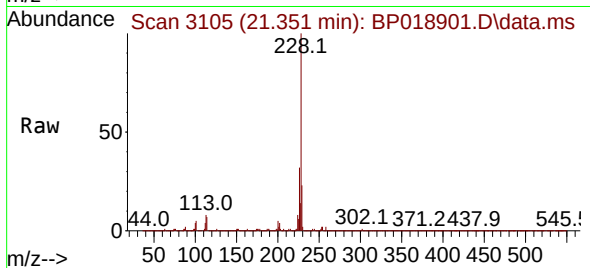
Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023

Supervised By :mohammad

ahmed

12/20/2023



#90

Benzo(b)fluoranthene

Concen: 171.026 ng/ul

RT: 22.974 min Scan# 3381

Delta R.T. 0.029 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

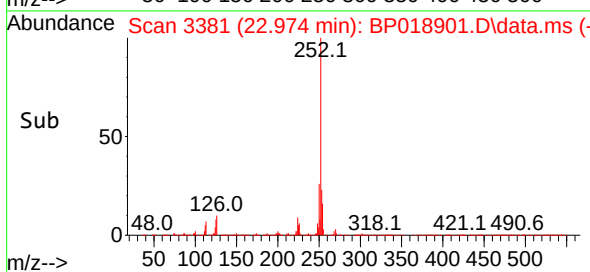
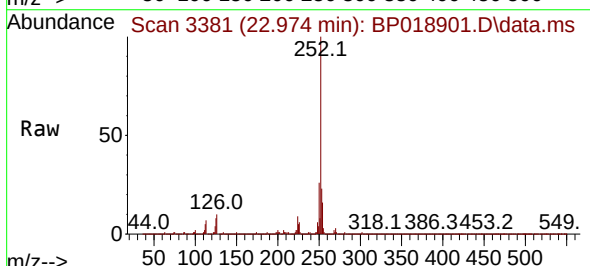
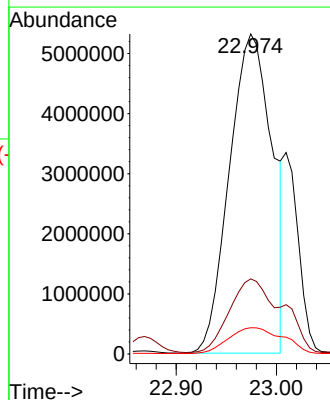
Tgt Ion:252 Resp:15736927

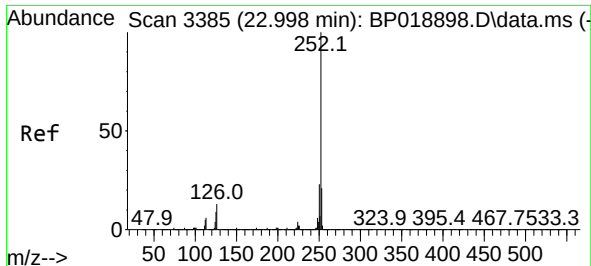
Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

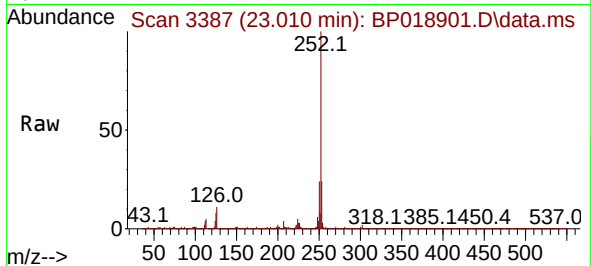
125 8.2 7.8 11.6





#91
Benzo(k)fluoranthene
Concen: 39.586 ng/ul m
RT: 23.010 min Scan# 3385
Delta R.T. 0.018 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Instrument :
BNA_P
ClientSampleId :
DCLF1

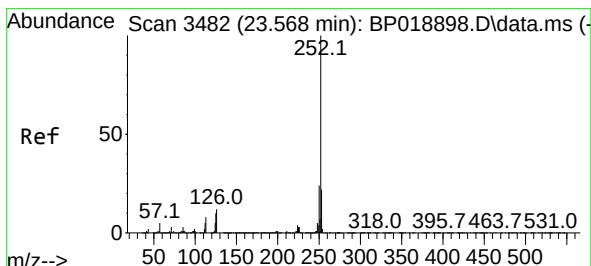
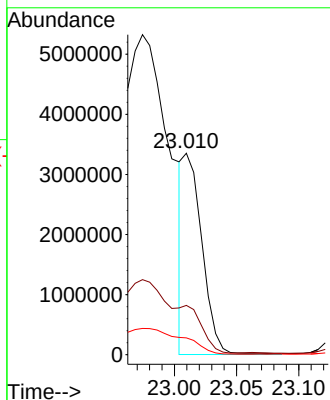
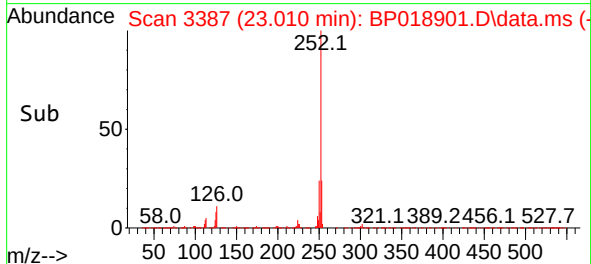


Tgt Ion:252 Resp: 3524370
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 8.3 8.0 12.0

Manual Integrations
APPROVED

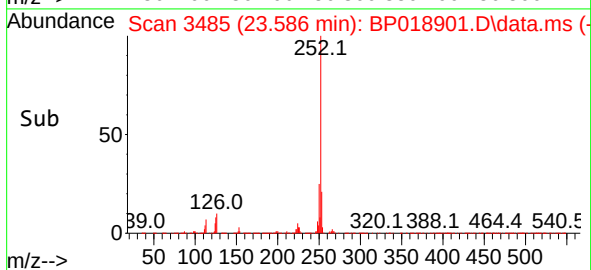
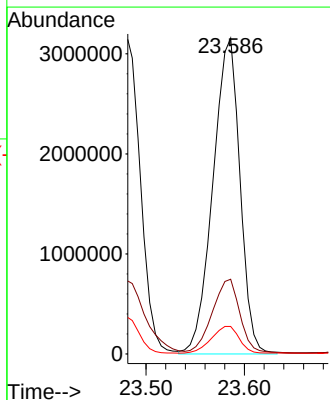
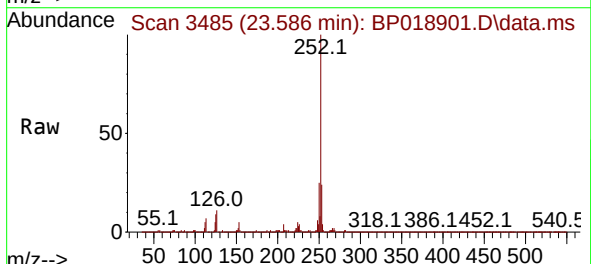
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

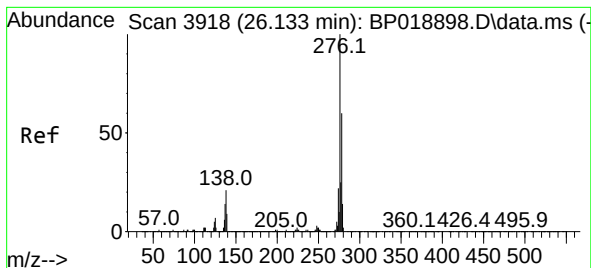
Supervised By :mohammad
ahmed
12/20/2023



#93
Benzo(a)pyrene
Concen: 71.826 ng/ul m
RT: 23.586 min Scan# 3485
Delta R.T. 0.023 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Tgt Ion:252 Resp: 6038954
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 8.7 9.2 13.8#





#94

Indeno(1,2,3-cd)pyrene

Concen: 47.790 ng/ul

RT: 26.151 min Scan# 3918

Delta R.T. 0.029 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

Instrument :

BNA_P

ClientSampleId :

DCLF1

Tgt Ion:276 Resp: 480075

Ion Ratio Lower Upper

276 100

138 17.6 19.4 29.2

277 24.6 19.8 29.6

Manual Integrations

APPROVED

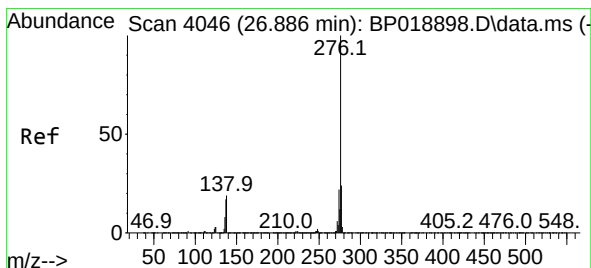
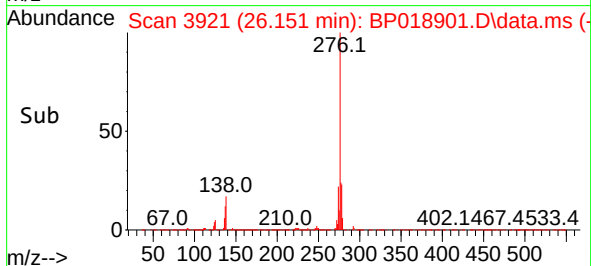
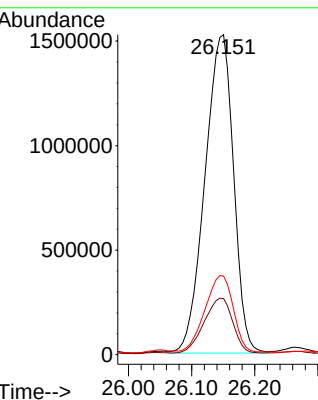
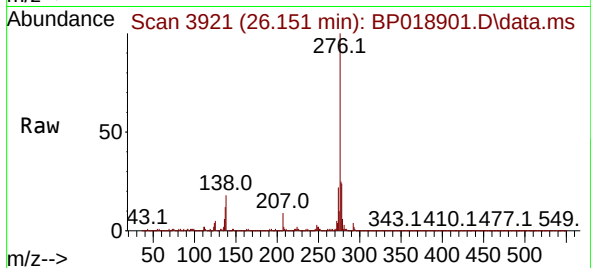
Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023

Supervised By :mohammad

ahmed

12/20/2023



#96

Benzo(g,h,i)perylene

Concen: 23.045 ng/ul

RT: 26.898 min Scan# 4048

Delta R.T. 0.023 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

Tgt Ion:276 Resp: 1863062

Ion Ratio Lower Upper

276 100

138 18.5 18.1 27.1

277 24.7 19.4 29.0

