

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
 Data File : BM043310.D
 Acq On : 13 Dec 2023 20:25
 Operator : MA/JU
 Sample : 05690-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLH7

Quant Time: Dec 13 22:59:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 22:33:14 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/15/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	316280	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	1443018	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.622	164	836364	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.363	188	1599399	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.533	240	1073316	20.000	ng/u1	# 0.00
88) Perylene-d12	23.956	264	1018136	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	42623	5.289	ng/uL	0.00
4) Pyridine-d5	3.816	84	414202	17.322	ng/u1	0.00
7) Phenol-d5	7.157	99	995758	31.712	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	616308	31.706	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	756512	31.604	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	774655	31.184	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	387944	31.542	ng/u1	0.00
24) 2-Nitrophenol-d4	9.892	143	397655	33.528	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	753048	28.486	ng/u1	0.00
31) 4-Chloroaniline-d4	10.951	131	751485	19.757	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	2269862	30.960	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	2700360	31.836	ng/u1	0.00
54) 4-Nitrophenol-d4	14.822	143	372495	28.354	ng/u1	0.00
60) Fluorene-d10	15.616	176	2017691	31.571	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	80537	9.149	ng/u1	0.00
73) Anthracene-d10	17.463	188	2983147	34.476	ng/u1	0.00
81) Pyrene-d10	19.751	212	3025060	44.048	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.797	264	2071268	34.864	ng/u1	0.00
Target Compounds						
						Qvalue
30) Naphthalene	10.857	128	232691	2.627	ng/u1	99
36) 2-Methylnaphthalene	12.463	142	127731	2.004	ng/u1	98
37) 1-Methylnaphthalene	12.675	142	109776	1.697	ng/u1	97
50) Acenaphthylene	14.351	152	176759	1.844	ng/u1	96
52) Acenaphthene	14.686	153	602072	9.521	ng/u1	100
61) Fluorene	15.669	166	557557	7.457	ng/u1	99
72) Phenanthrene	17.410	178	3111682	31.199	ng/u1	99
74) Anthracene	17.498	178	4638516	46.170	ng/u1	99
80) Fluoranthene	19.421	202	8778722	111.433	ng/u1#	95
82) Pyrene	19.780	202	7481476	91.294	ng/u1	94
85) Benzo(a)anthracene	21.521	228	1397894	16.987	ng/u1	97
87) Chrysene	21.574	228	1904319	25.909	ng/u1	98
90) Benzo(b)fluoranthene	23.221	252	1940121	26.708	ng/u1#	93
91) Benzo(k)fluoranthene	23.262	252	624382m	8.630	ng/u1	
93) Benzo(a)pyrene	23.850	252	747941	11.139	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	26.474	276	563167	7.363	ng/u1#	92
95) Dibenzo(a,h)anthracene	26.497	278	147019m	2.299	ng/u1	
96) Benzo(g,h,i)perylene	27.244	276	476556	8.270	ng/u1#	89

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

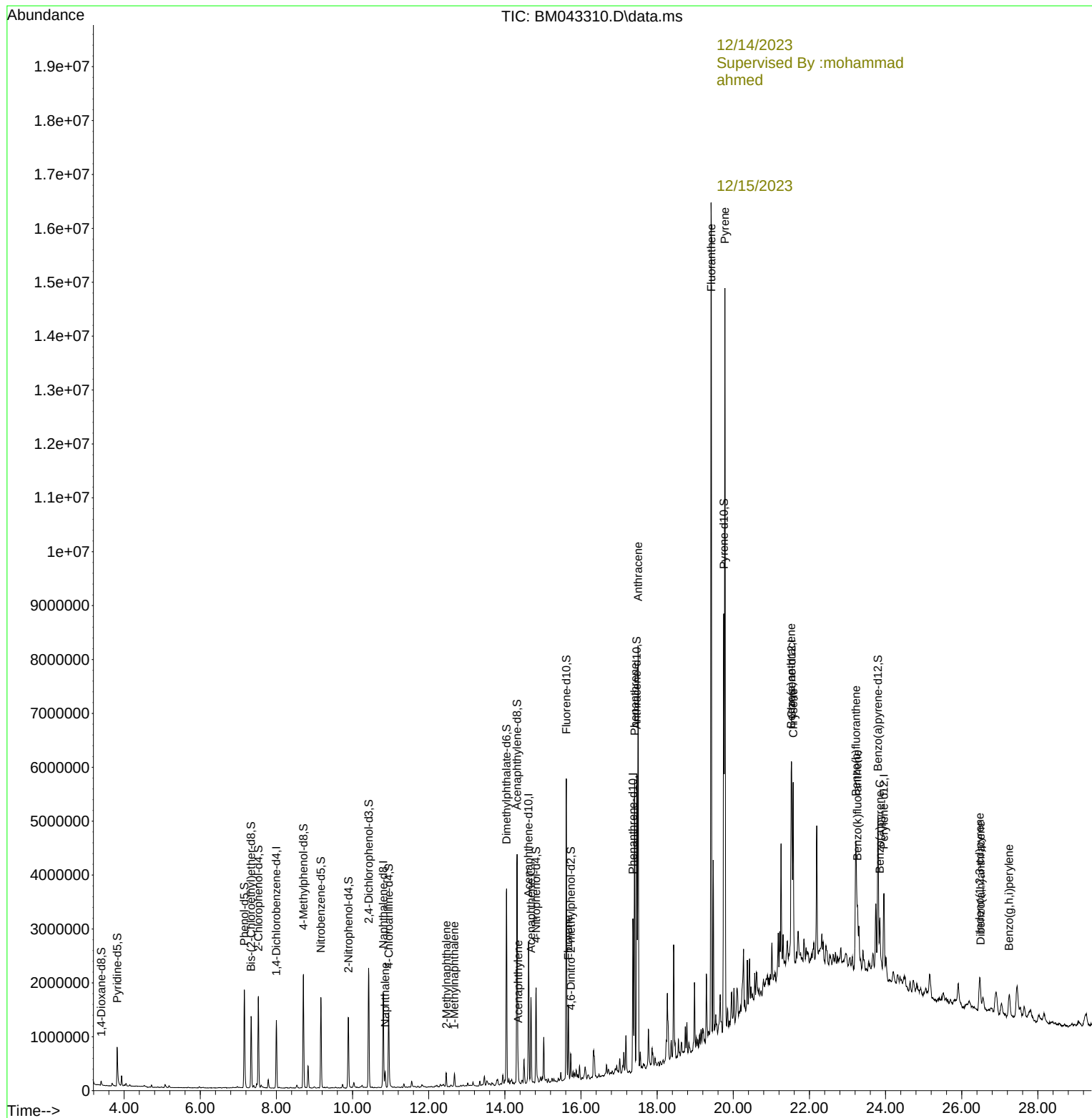
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
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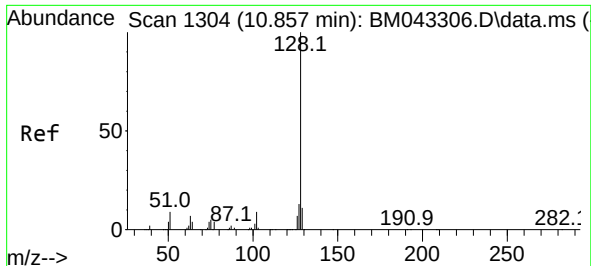
Instrument :
 BNA_M
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Quant Time: Dec 13 22:59:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120723.MA.M
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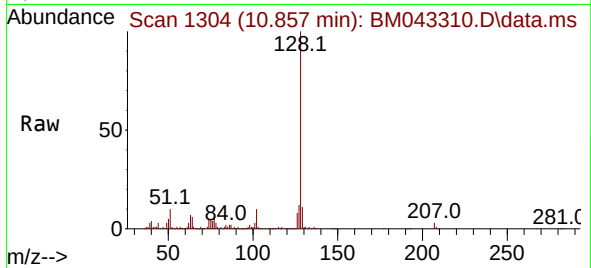
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/15/2023





#30
Naphthalene
Concen: 2.627 ng/ul
RT: 10.857 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

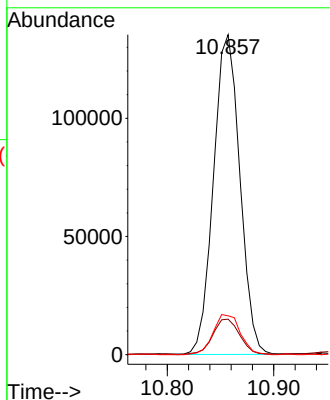
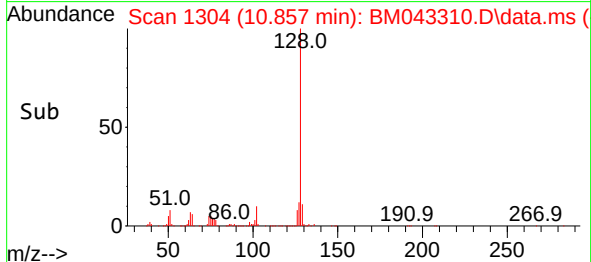
Instrument :
BNA_M
ClientSampleId :
DCLH7



Tgt Ion:128 Resp: 23269
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.2 10.4 15.6

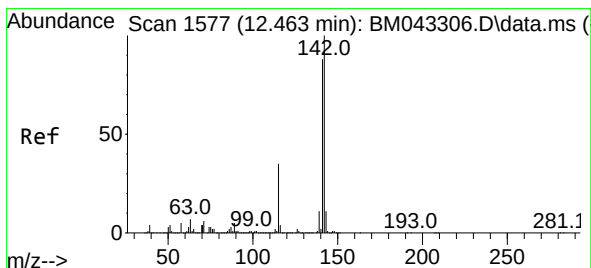
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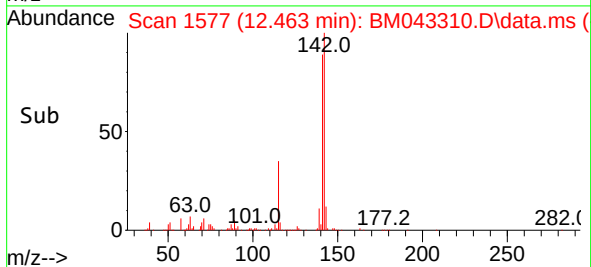
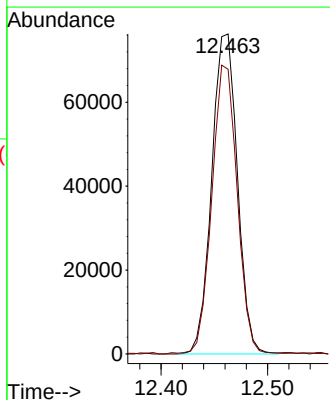
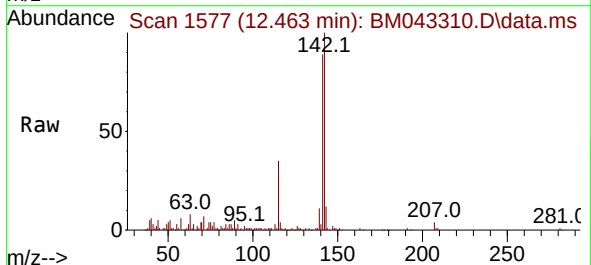
12/14/2023
Supervised By :mohammad
ahmed

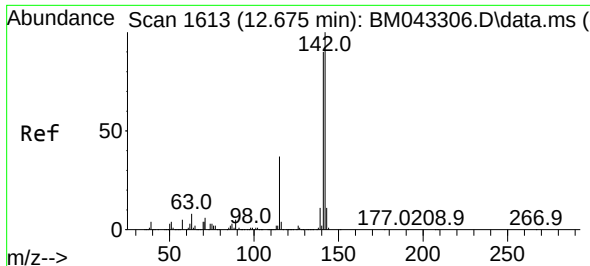
12/15/2023



#36
2-Methylnaphthalene
Concen: 2.004 ng/ul
RT: 12.463 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

Tgt Ion:142 Resp: 127731
Ion Ratio Lower Upper
142 100
141 88.9 70.0 105.0





#37

1-Methylnaphthalene

Concen: 1.697 ng/ul

RT: 12.675 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Instrument :

BNA_M

ClientSampleId :

DCLH7

Tgt Ion:142 Resp: 109776

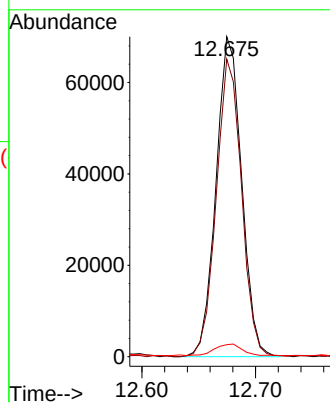
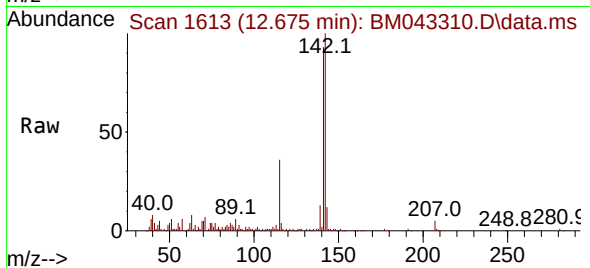
Ion	Ratio	Lower	Upper
142	100		
141	93.0	71.9	107.9
116	3.7	2.8	4.2

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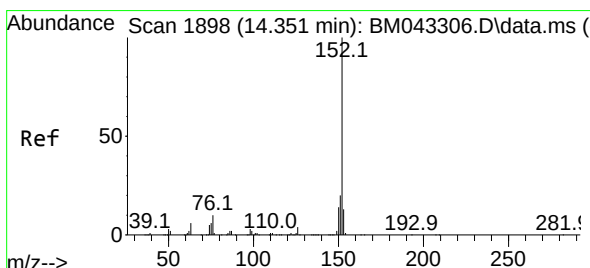
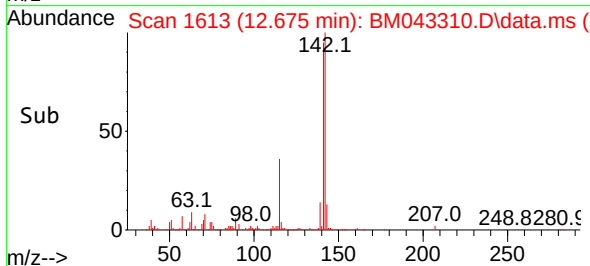
Supervised By :mohammad ahmed 12/15/2023



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#50

Acenaphthylene

Concen: 1.844 ng/ul

RT: 14.351 min Scan# 1898

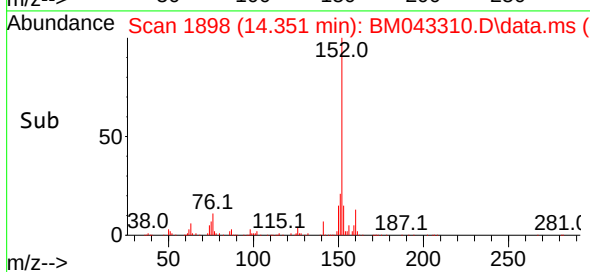
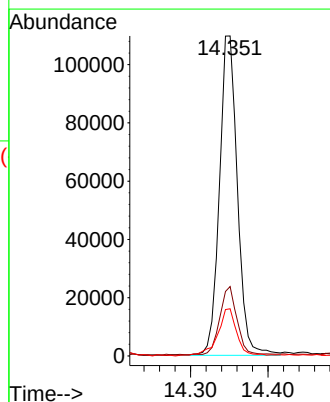
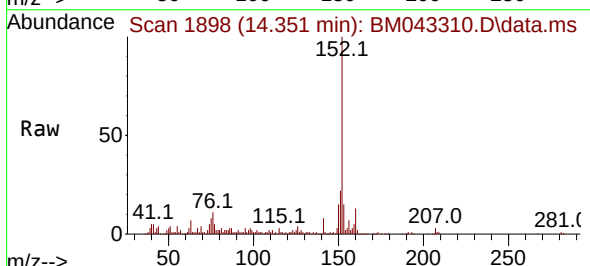
Delta R.T. 0.000 min

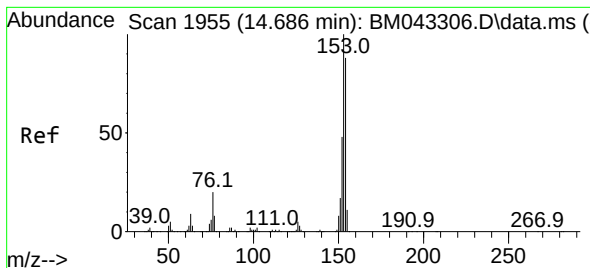
Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Tgt Ion:152 Resp: 176759

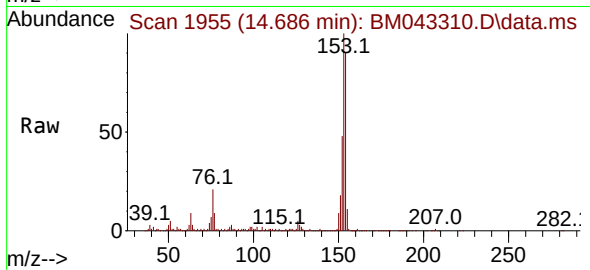
Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.0	24.0
153	14.8	10.3	15.5





#52
Acenaphthene
Concen: 9.521 ng/u1
RT: 14.686 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

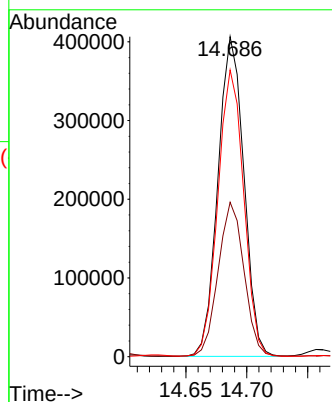
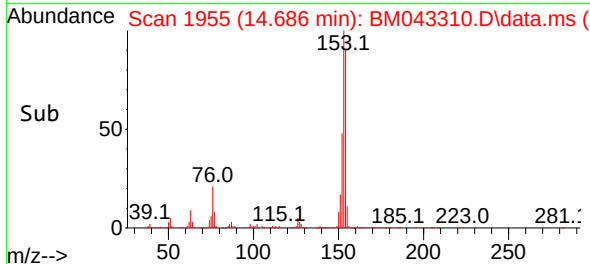
Instrument :
BNA_M
ClientSampleId :
DCLH7



Tgt Ion:153 Resp: 602072
Ion Ratio Lower Upper
153 100
152 48.2 38.6 58.0
154 89.6 71.6 107.4

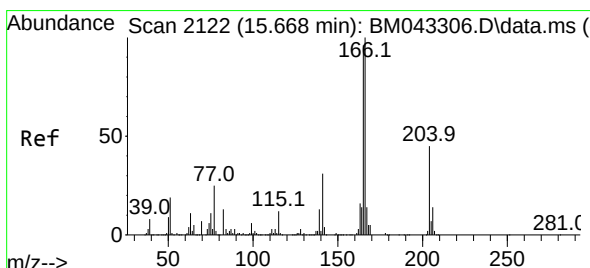
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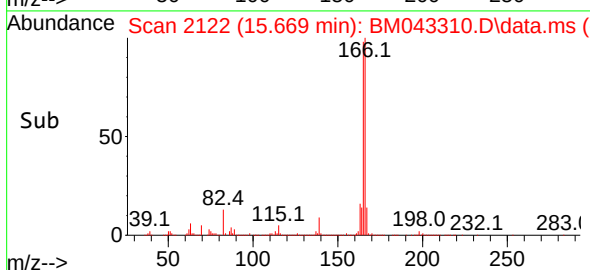
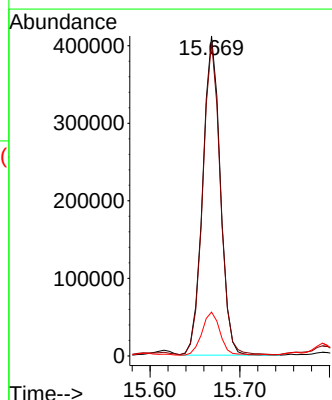
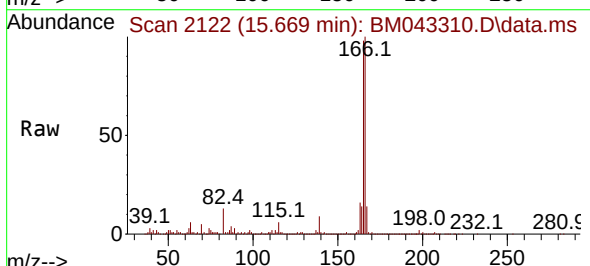
12/14/2023
Supervised By :mohammad
ahmed

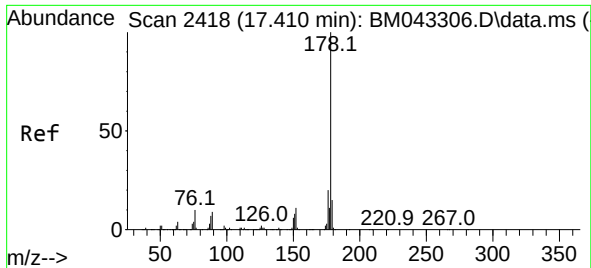
12/15/2023



#61
Fluorene
Concen: 7.457 ng/u1
RT: 15.669 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

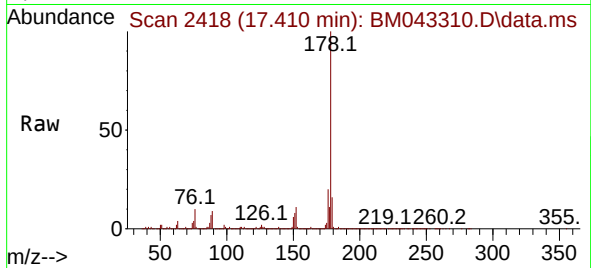
Tgt Ion:166 Resp: 557557
Ion Ratio Lower Upper
166 100
165 98.3 77.5 116.3
167 13.7 10.7 16.1





#72
Phenanthrene
Concen: 31.199 ng/u1
RT: 17.410 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

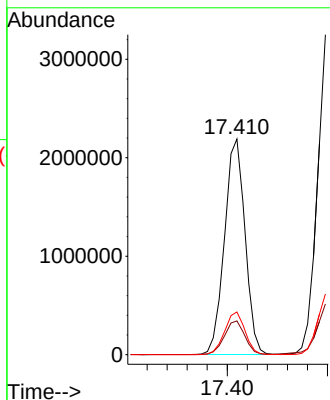
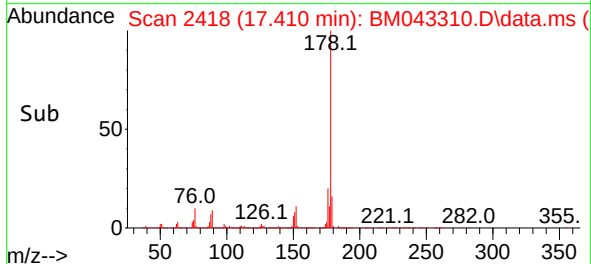
Instrument :
BNA_M
ClientSampleId :
DCLH7



Tgt Ion:178 Resp: 311168
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.2
176 19.8 15.7 23.5

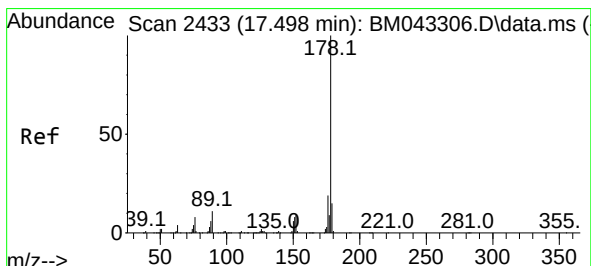
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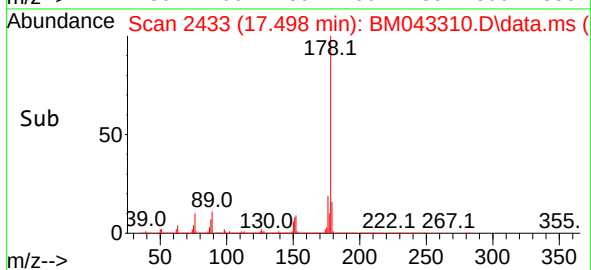
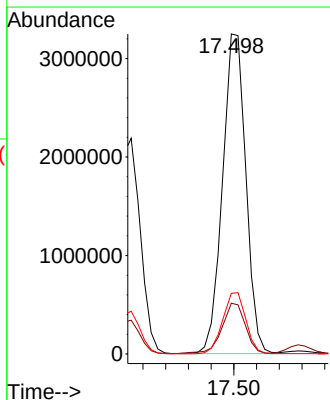
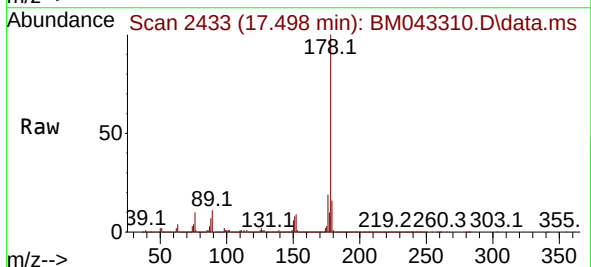
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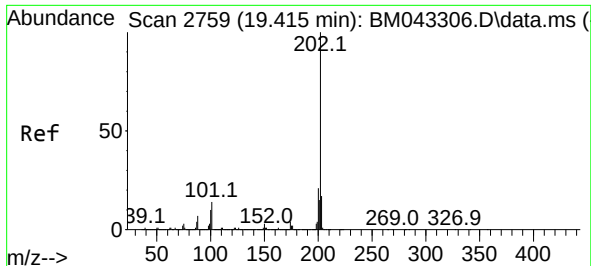
12/15/2023



#74
Anthracene
Concen: 46.170 ng/u1
RT: 17.498 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

Tgt Ion:178 Resp: 4638516
Ion Ratio Lower Upper
178 100
179 15.8 12.1 18.1
176 18.9 15.1 22.7





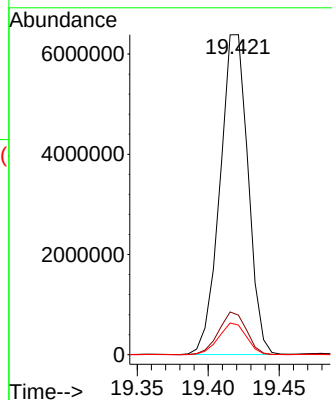
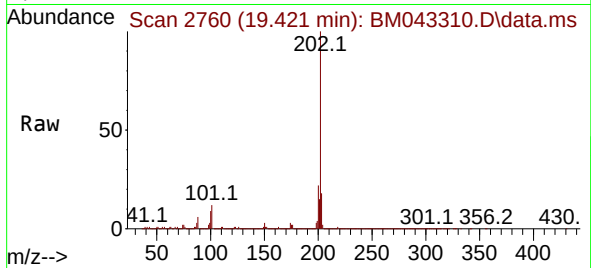
#80
Fluoranthene
Concen: 111.433 ng/u1
RT: 19.421 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

Instrument :
BNA_M
ClientSampleId :
DCLH7

Tgt Ion:202 Resp: 877872
Ion Ratio Lower Upper
202 100
101 12.4 8.2 12.2
100 9.2 6.1 9.1

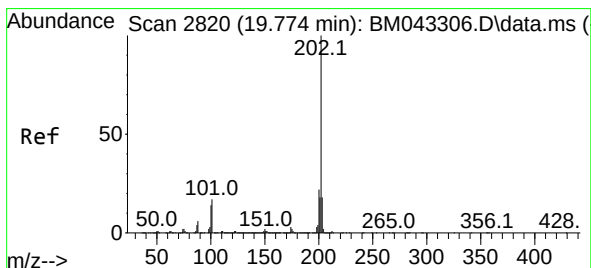
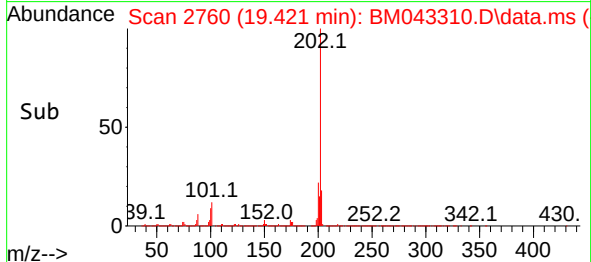
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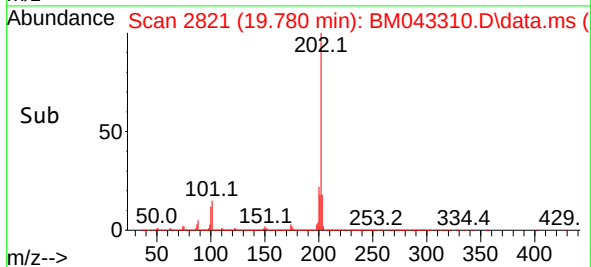
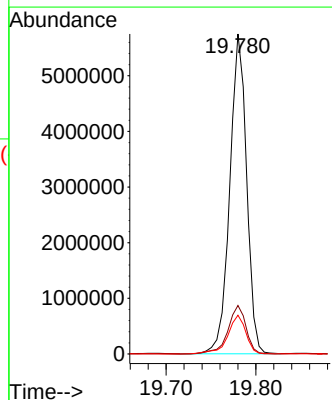
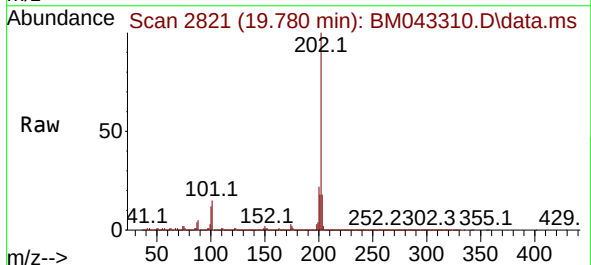
12/14/2023
Supervised By :mohammad
ahmed

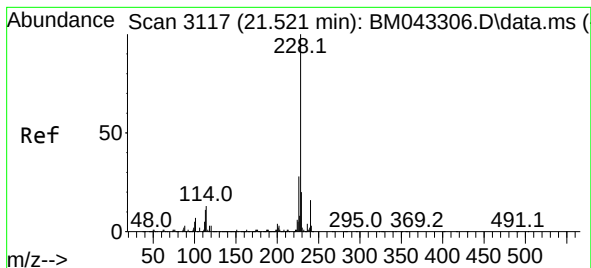
12/15/2023



#82
Pyrene
Concen: 91.294 ng/u1
RT: 19.780 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

Tgt Ion:202 Resp: 7481476
Ion Ratio Lower Upper
202 100
101 15.2 10.2 15.2
100 12.1 8.2 12.2





#85

Benzo(a)anthracene

Concen: 16.987 ng/ul

RT: 21.521 min Scan# 3117

Delta R.T. 0.000 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Instrument :

BNA_M

ClientSampleId :

DCLH7

Tgt Ion:228 Resp: 1397894

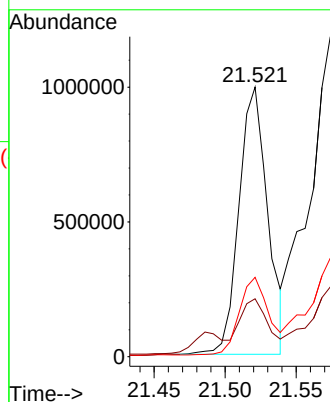
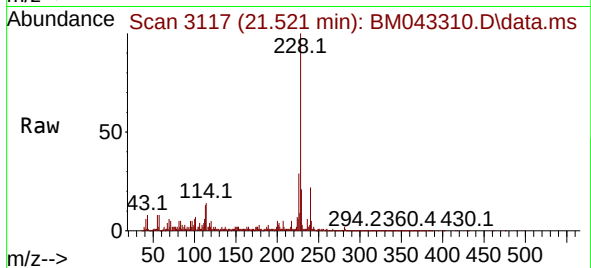
Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.8	23.8
226	29.4	22.2	33.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023

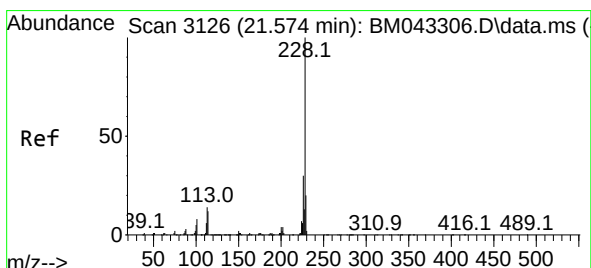
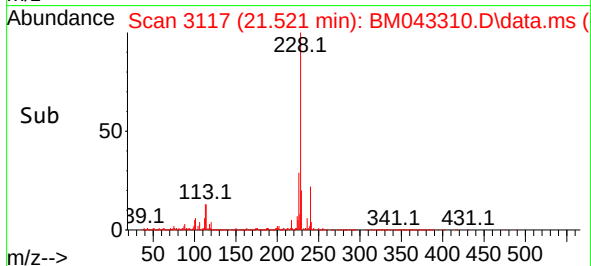
Supervised By :mohammad ahmed 12/15/2023



12/14/2023

Supervised By :mohammad
ahmed

12/15/2023



#87

Chrysene

Concen: 25.909 ng/ul

RT: 21.574 min Scan# 3126

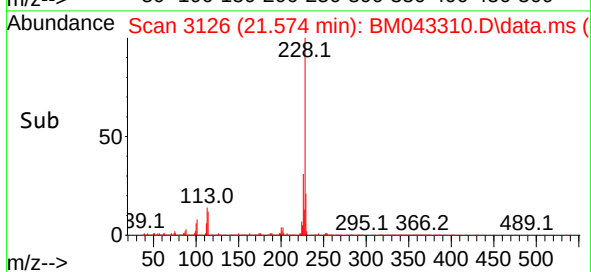
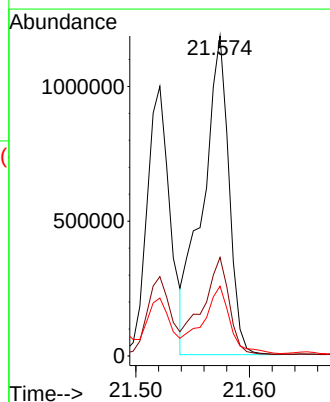
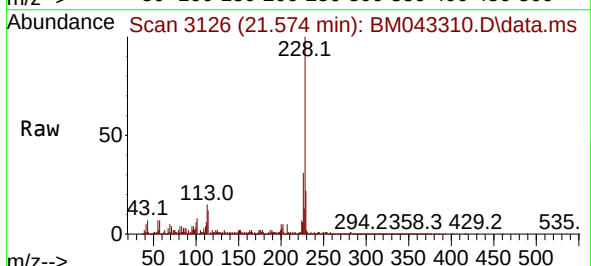
Delta R.T. 0.000 min

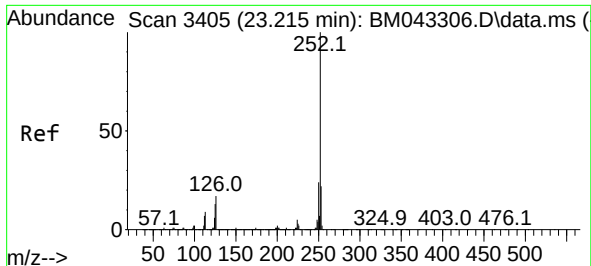
Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Tgt Ion:228 Resp: 1904319

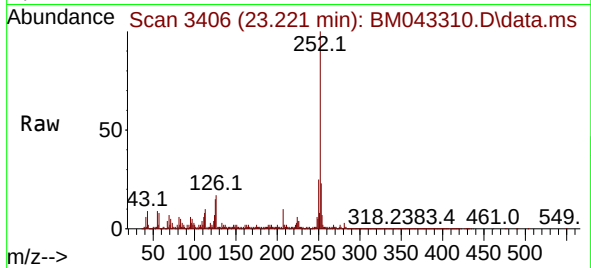
Ion	Ratio	Lower	Upper
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226	30.8	24.8	37.2
229	21.8	16.2	24.2





#90
Benzo(b)fluoranthene
Concen: 26.708 ng/ul
RT: 23.221 min Scan# 3405
Delta R.T. 0.006 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

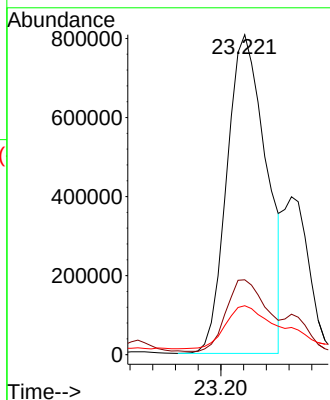
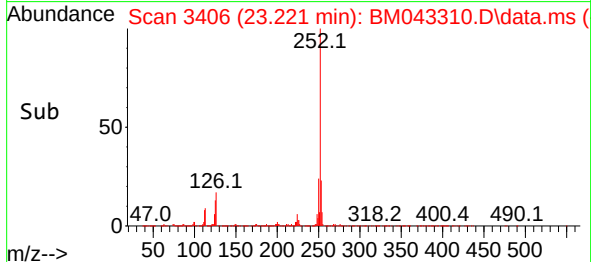
Instrument :
BNA_M
ClientSampleId :
DCLH7



Tgt Ion:252 Resp: 194012
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 15.3 7.2 10.8

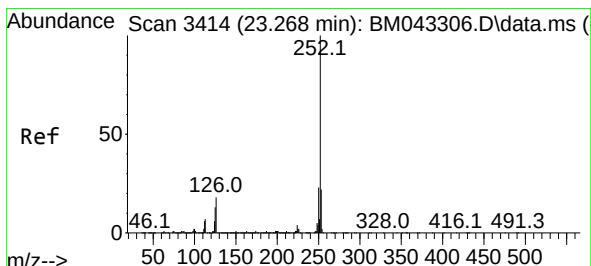
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/15/2023



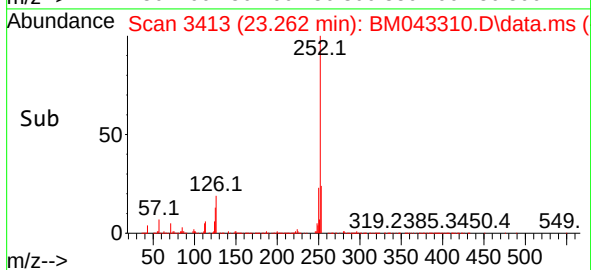
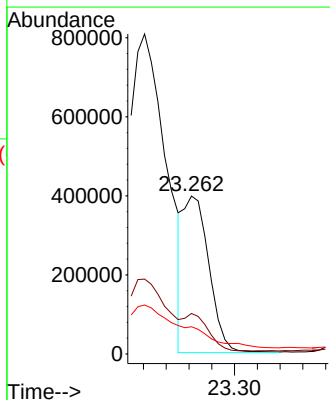
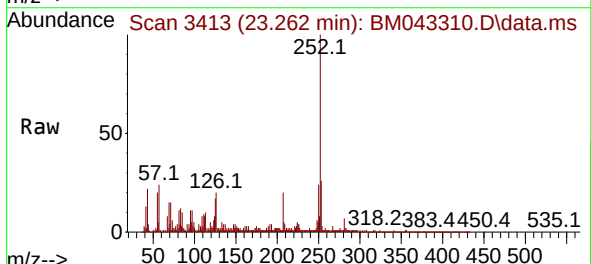
12/14/2023
Supervised By :mohammad
ahmed

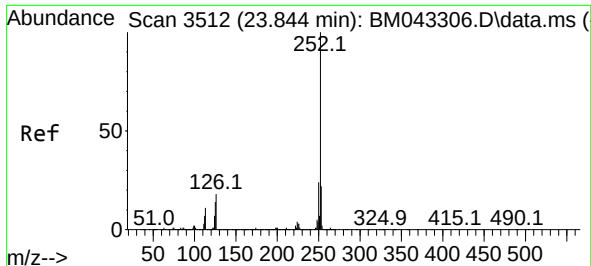
12/15/2023



#91
Benzo(k)fluoranthene
Concen: 8.630 ng/ul m
RT: 23.262 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

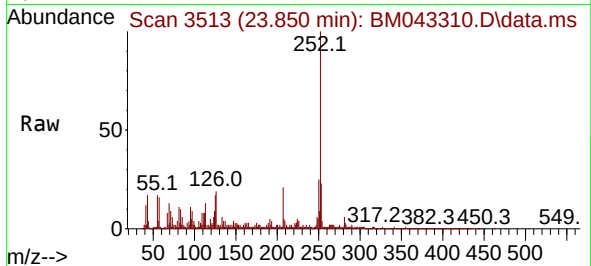
Tgt Ion:252 Resp: 624382
Ion Ratio Lower Upper
252 100
253 25.6 17.9 26.9
125 17.2 7.7 11.5





#93
Benzo(a)pyrene
Concen: 11.139 ng/ul
RT: 23.850 min Scan# 3512
Delta R.T. 0.006 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

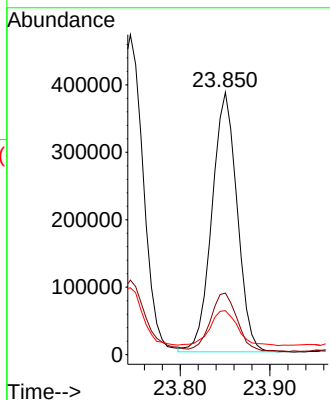
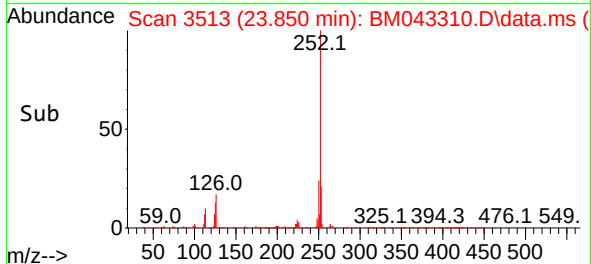
Instrument :
BNA_M
ClientSampleId :
DCLH7



Tgt Ion:252 Resp: 74794
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 16.8 8.4 12.6

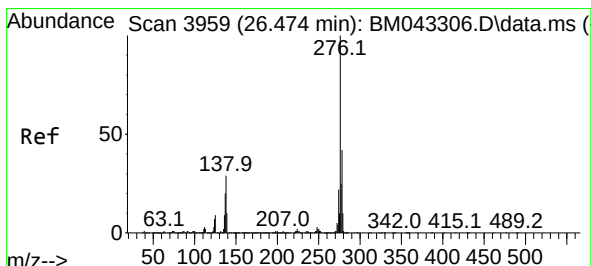
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/15/2023



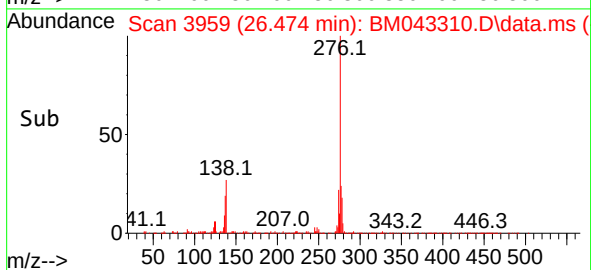
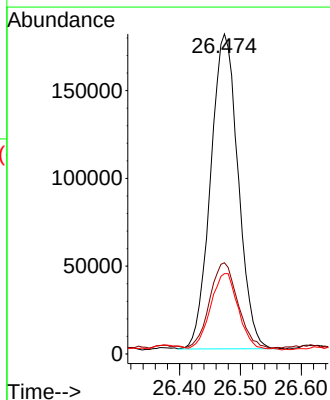
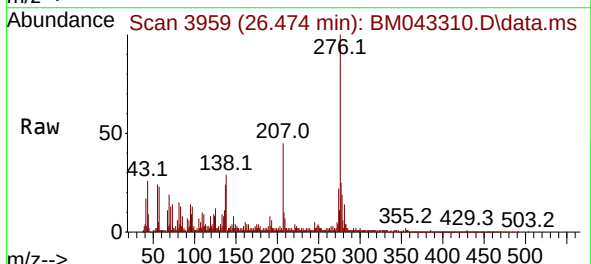
12/14/2023
Supervised By :mohammad
ahmed

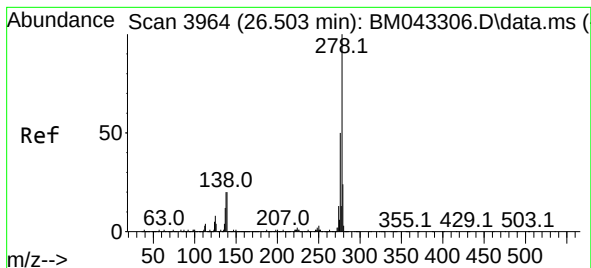
12/15/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 7.363 ng/ul
RT: 26.474 min Scan# 3959
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

Tgt Ion:276 Resp: 563167
Ion Ratio Lower Upper
276 100
138 28.5 16.9 25.3#
277 25.1 19.5 29.3





#95

Dibenzo(a,h)anthracene

Concen: 2.299 ng/ul m

RT: 26.497 min Scan# 3964

Delta R.T. -0.006 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Instrument :

BNA_M

ClientSampleId :

DCLH7

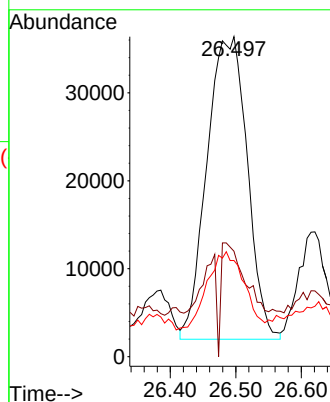
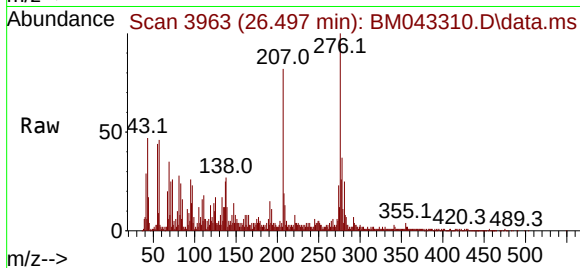
Tgt Ion:	278	Resp:	147019
Ion Ratio	Lower	Upper	
278	100		
139	32.9	11.9	17.9
279	30.0	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

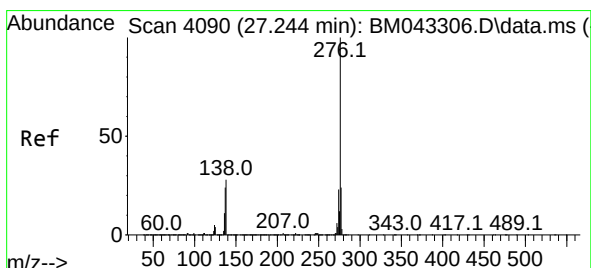
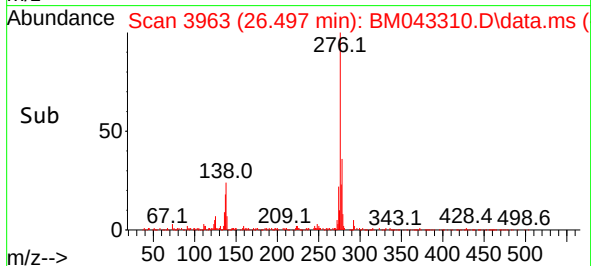
Supervised By :mohammad ahmed 12/15/2023



12/14/2023

Supervised By :mohammad
ahmed

12/15/2023



#96

Benzo(g,h,i)perylene

Concen: 8.270 ng/ul

RT: 27.244 min Scan# 4090

Delta R.T. 0.000 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Tgt Ion:	276	Resp:	476556
Ion Ratio	Lower	Upper	
276	100		
138	29.8	16.2	24.2
277	24.3	18.7	28.1

