

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
 Data File : BM043314.D
 Acq On : 13 Dec 2023 22:49
 Operator : MA/JU
 Sample : 05690-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLH4

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Dec 13 23:25:52 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	409709	20.000	ng/u1	0.00
20) Naphthalene-d8	10.810	136	1873245	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.627	164	1075674	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	1992429	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.539	240	1322059	20.000	ng/u1	# 0.00
88) Perylene-d12	23.956	264	1211399	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	40518	3.881	ng/uL	0.00
4) Pyridine-d5	3.816	84	325937	10.523	ng/u1	0.00
7) Phenol-d5	7.157	99	870045	21.390	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	577501	22.935	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	683958	22.057	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	392134	12.186	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	362580	22.709	ng/u1	0.00
24) 2-Nitrophenol-d4	9.892	143	379337	24.638	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.428	165	635171	18.509	ng/u1	0.00
31) 4-Chloroaniline-d4	10.951	131	723510	14.653	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	1969047	20.882	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	2329840	21.357	ng/u1	0.00
54) 4-Nitrophenol-d4	14.822	143	316944	18.758	ng/u1	0.00
60) Fluorene-d10	15.616	176	1674062	20.367	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	44478	4.056	ng/u1	0.01
73) Anthracene-d10	17.474	188	2311756	21.447	ng/u1	0.01
81) Pyrene-d10	19.751	212	2498602	29.537	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.797	264	1614848	22.845	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.857	128	4996688	43.457	ng/u1	100
36) 2-Methylnaphthalene	12.463	142	3758500	45.435	ng/u1	100
37) 1-Methylnaphthalene	12.681	142	1910183	22.750	ng/u1	98
50) Acenaphthylene	14.351	152	165667	1.344	ng/u1#	87
52) Acenaphthene	14.698	153	8090110	99.476	ng/u1	99
61) Fluorene	15.674	166	9150782	95.155	ng/u1	99
72) Phenanthrene	17.410	178	21315035m	171.558	ng/u1	
74) Anthracene	17.510	178	12840701	102.599	ng/u1#	90
80) Fluoranthene	19.421	202	15740595	162.212	ng/u1#	83
82) Pyrene	19.786	202	12896274	127.760	ng/u1#	92
85) Benzo(a)anthracene	21.521	228	2171160	21.419	ng/u1	98
87) Chrysene	21.574	228	1848291	20.416	ng/u1	98
90) Benzo(b)fluoranthene	23.221	252	975130	11.282	ng/u1#	93
91) Benzo(k)fluoranthene	23.262	252	324755m	3.773	ng/u1	
93) Benzo(a)pyrene	23.850	252	443768	5.555	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	26.468	276	179116	1.968	ng/u1#	93
96) Benzo(g,h,i)perylene	27.250	276	112498	1.641	ng/u1#	89

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

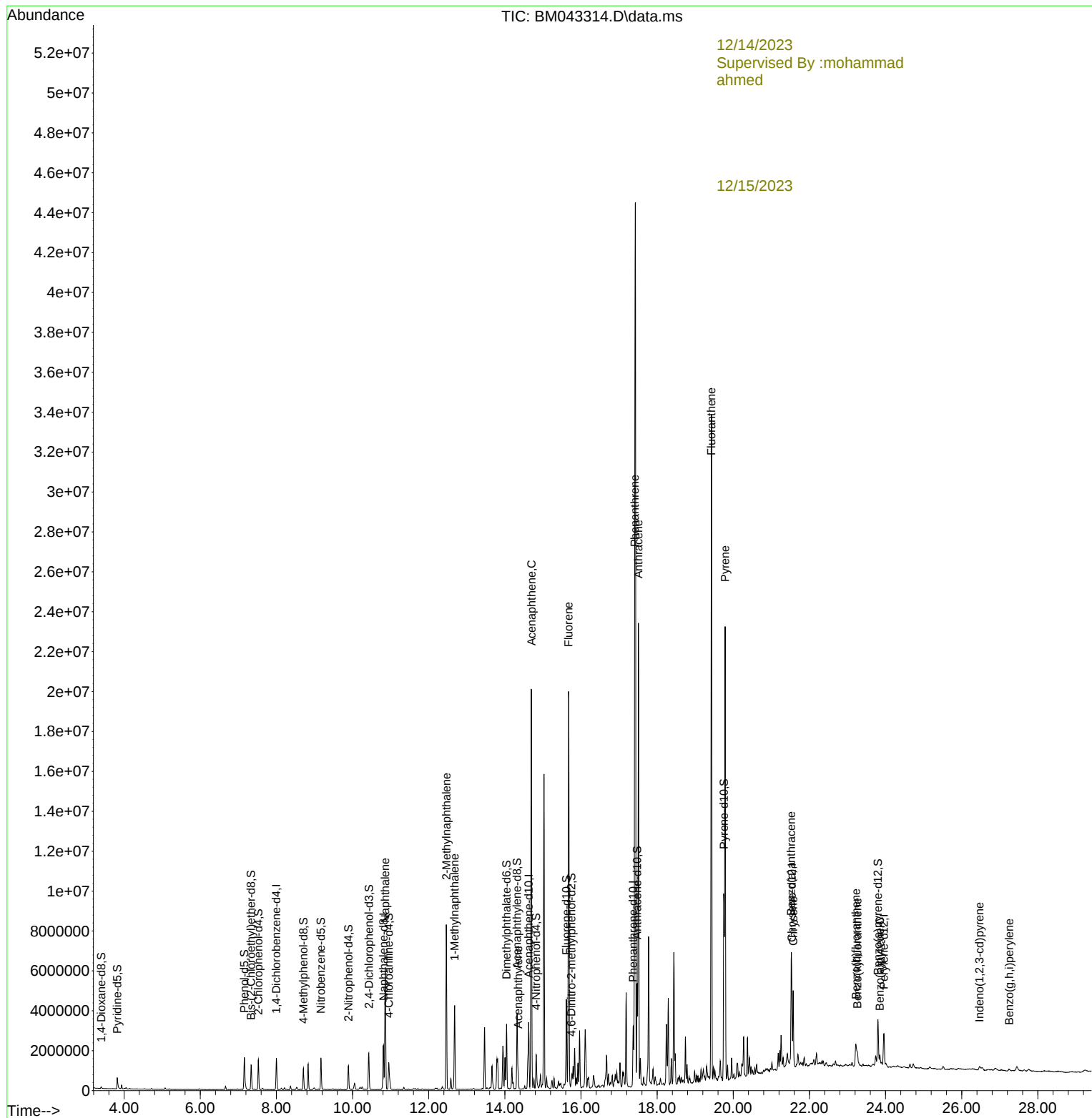
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
Data File : BM043314.D
Acq On : 13 Dec 2023 22:49
Operator : MA/JU
Sample : 05690-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

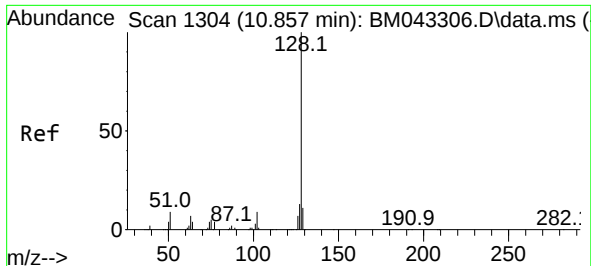
Instrument :
BNA_M
ClientSampleId :
DCLH4

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

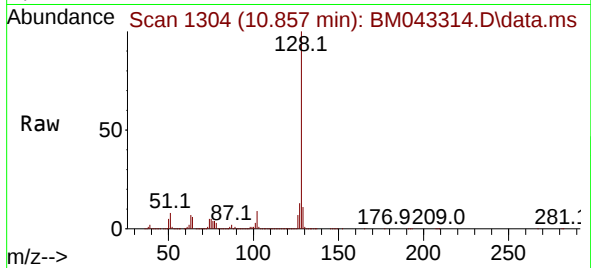
Quant Time: Dec 13 23:25:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 22:33:14 2023
Response via : Initial Calibration





#30
Naphthalene
Concen: 43.457 ng/ul
RT: 10.857 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49

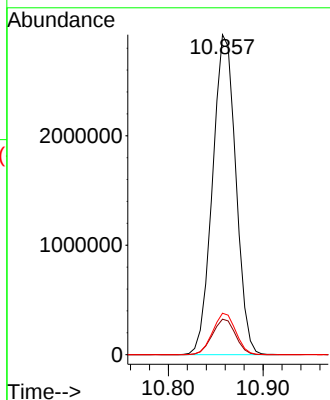
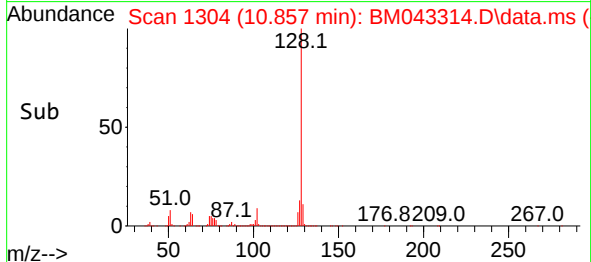
Instrument :
BNA_M
ClientSampleId :
DCLH4



Tgt Ion:128 Resp: 499668
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.9 10.4 15.6

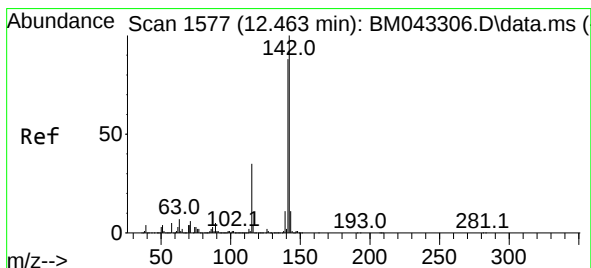
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

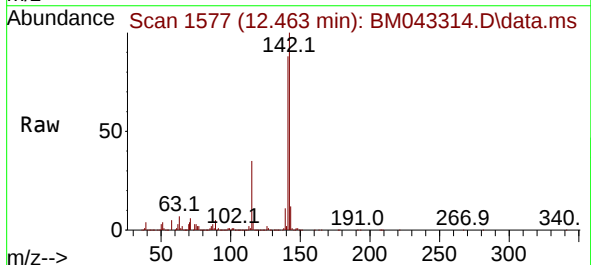


12/14/2023
Supervised By :mohammad
ahmed

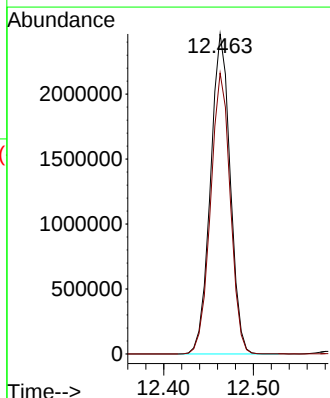
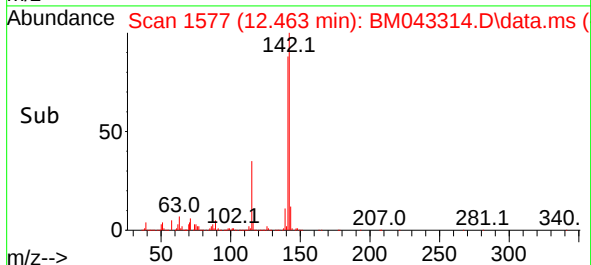
12/15/2023

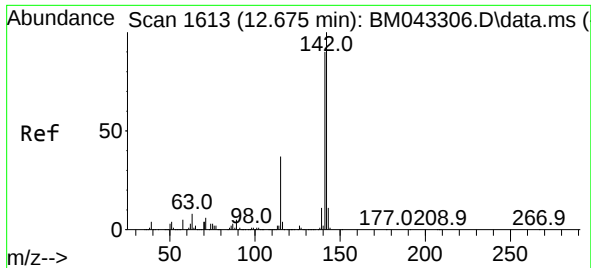


#36
2-Methylnaphthalene
Concen: 45.435 ng/ul
RT: 12.463 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49



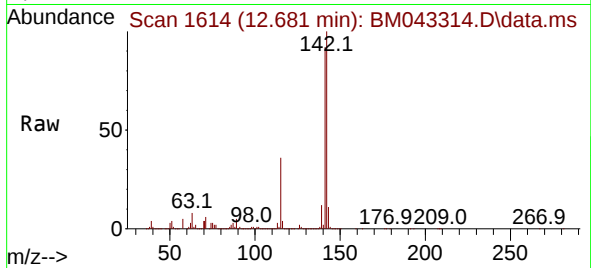
Tgt Ion:142 Resp: 3758500
Ion Ratio Lower Upper
142 100
141 87.8 70.0 105.0





#37
1-Methylnaphthalene
Concen: 22.750 ng/ul
RT: 12.681 min Scan# 1614
Delta R.T. 0.006 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49

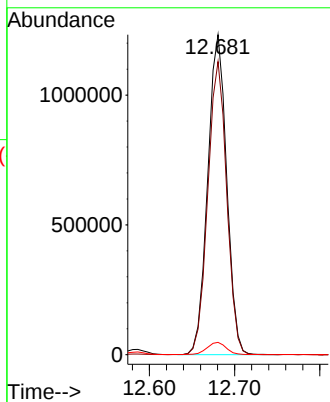
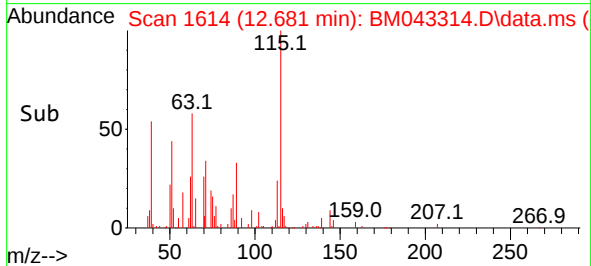
Instrument :
BNA_M
ClientSampleId :
DCLH4



Tgt Ion:142 Resp: 191018
Ion Ratio Lower Upper
142 100
141 91.6 71.9 107.9
116 3.9 2.8 4.2

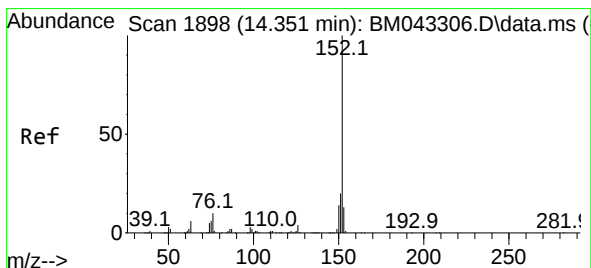
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

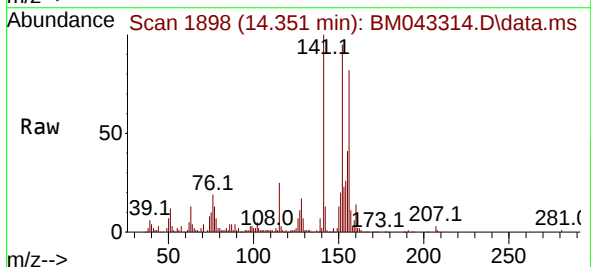


12/14/2023
Supervised By :mohammad
ahmed

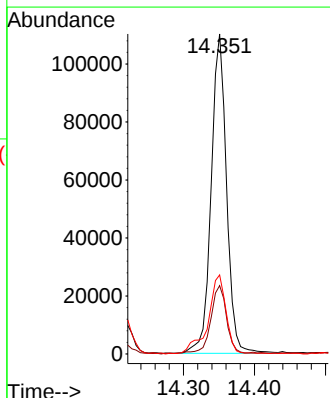
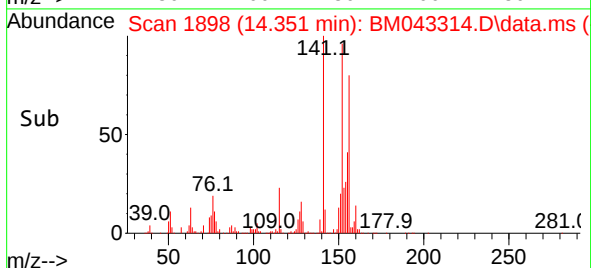
12/15/2023

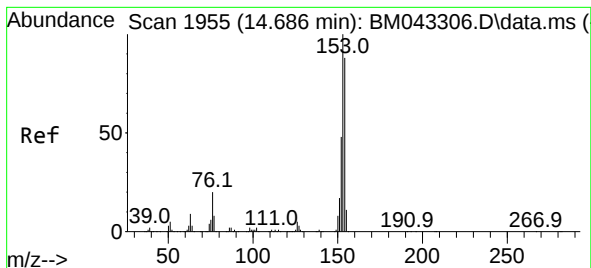


#50
Acenaphthylene
Concen: 1.344 ng/ul
RT: 14.351 min Scan# 1898
Delta R.T. 0.000 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49



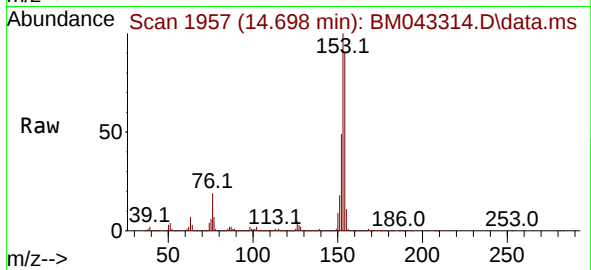
Tgt Ion:152 Resp: 165667
Ion Ratio Lower Upper
152 100
151 21.4 16.0 24.0
153 24.7 10.3 15.5#





#52
Acenaphthene
Concen: 99.476 ng/ul
RT: 14.698 min Scan# 1957
Delta R.T. 0.012 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49

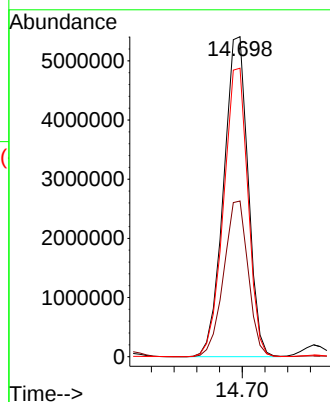
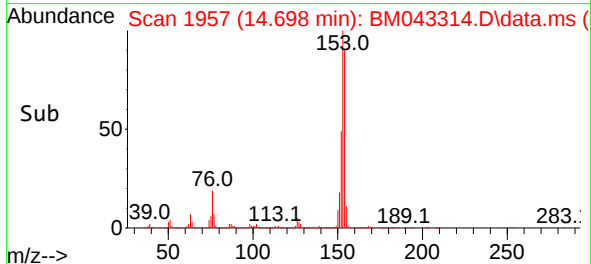
Instrument :
BNA_M
ClientSampleId :
DCLH4



Tgt Ion:153 Resp: 8090110
Ion Ratio Lower Upper
153 100
152 48.7 38.6 58.0
154 90.2 71.6 107.4

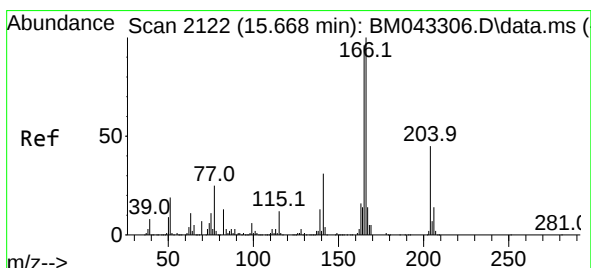
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

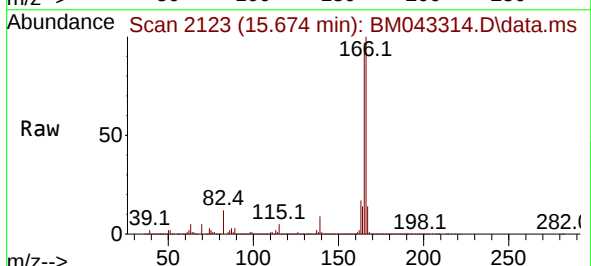


12/14/2023
Supervised By :mohammad
ahmed

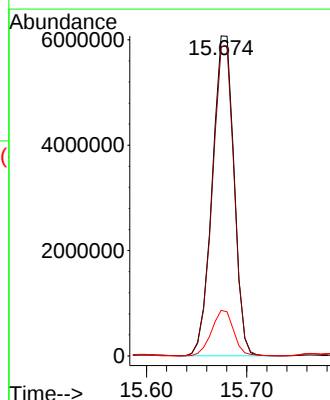
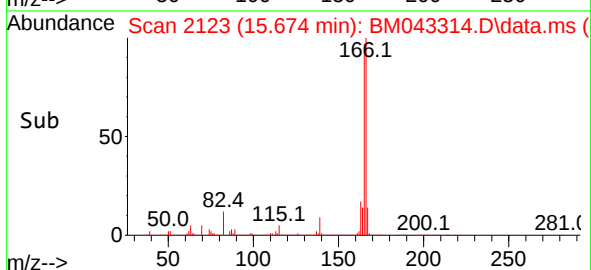
12/15/2023

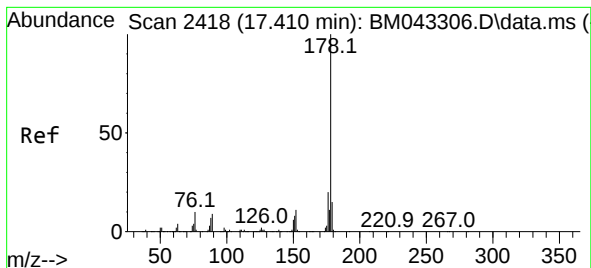


#61
Fluorene
Concen: 95.155 ng/ul
RT: 15.674 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49



Tgt Ion:166 Resp: 9150782
Ion Ratio Lower Upper
166 100
165 96.6 77.5 116.3
167 14.2 10.7 16.1





#72

Phenanthrene

Concen: 171.558 ng/ul m

RT: 17.410 min Scan# 2418

Delta R.T. 0.000 min

Lab File: BM043314.D

Acq: 13 Dec 2023 22:49

Instrument :

BNA_M

ClientSampleId :

DCLH4

Tgt Ion:178 Resp:2131503

Ion Ratio Lower Upper

178 100

179 19.8 12.2 18.2

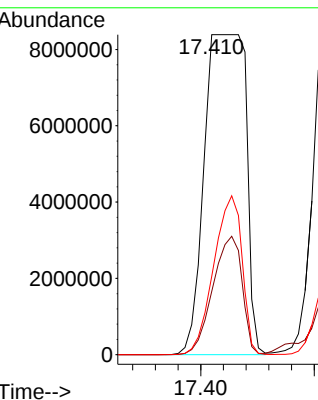
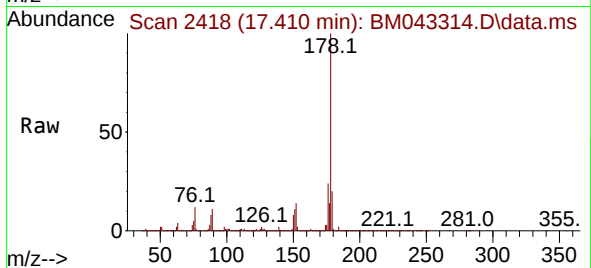
176 24.5 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh

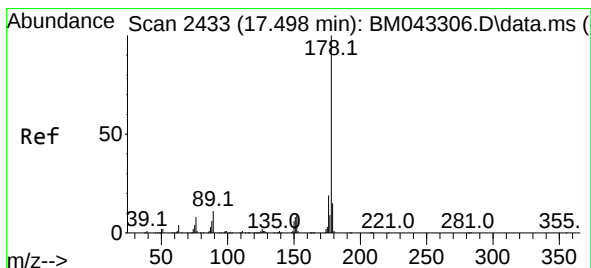
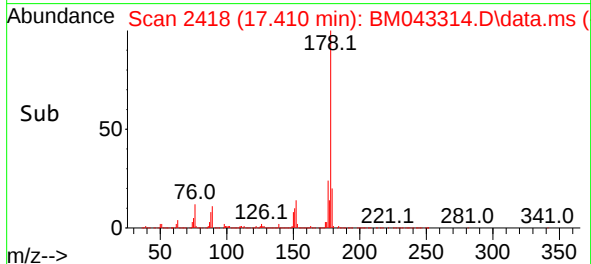
Patel



12/14/2023

Supervised By :mohammad
ahmed

12/15/2023



#74

Anthracene

Concen: 102.599 ng/ul

RT: 17.510 min Scan# 2435

Delta R.T. 0.012 min

Lab File: BM043314.D

Acq: 13 Dec 2023 22:49

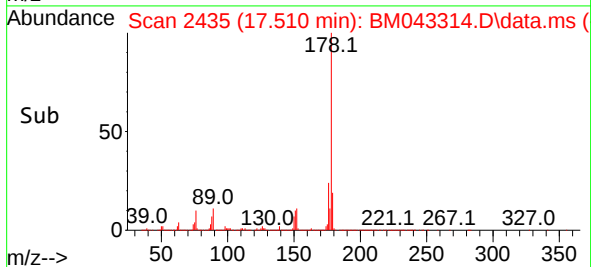
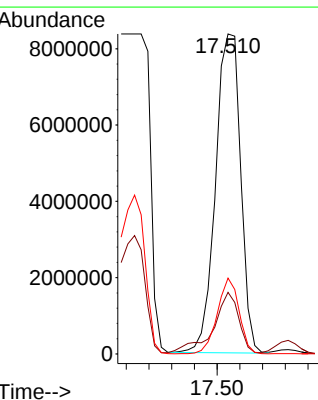
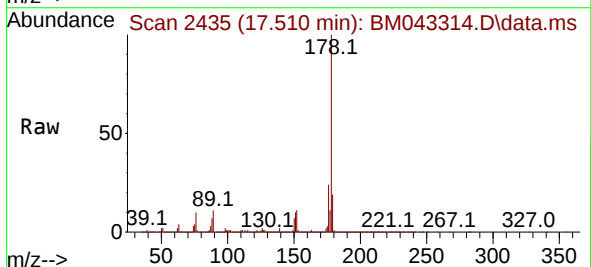
Tgt Ion:178 Resp:12840701

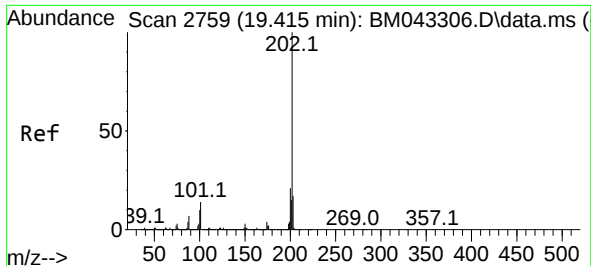
Ion Ratio Lower Upper

178 100

179 19.2 12.1 18.1#

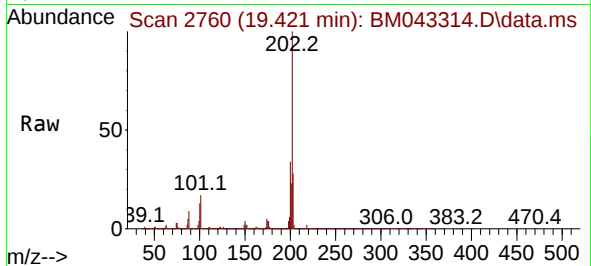
176 23.7 15.1 22.7#





#80
Fluoranthene
Concen: 162.212 ng/u1
RT: 19.421 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49

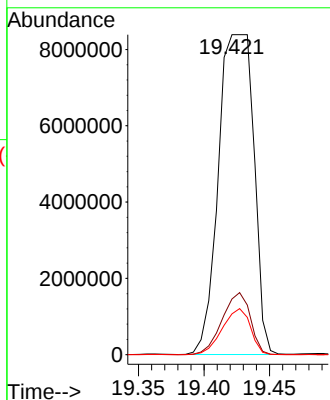
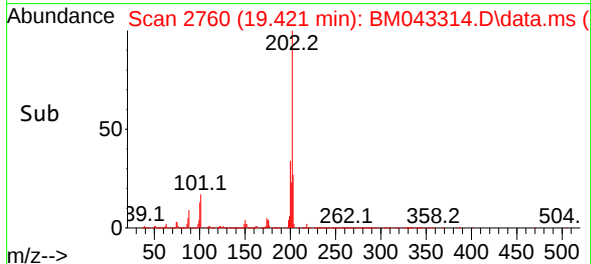
Instrument :
BNA_M
ClientSampleId :
DCLH4



Tgt Ion:202 Resp:1574059
Ion Ratio Lower Upper
202 100
101 17.4 8.2 12.2#
100 12.8 6.1 9.1#

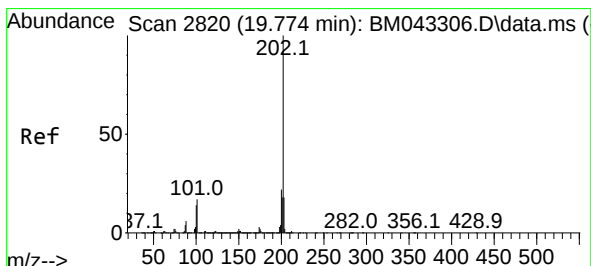
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

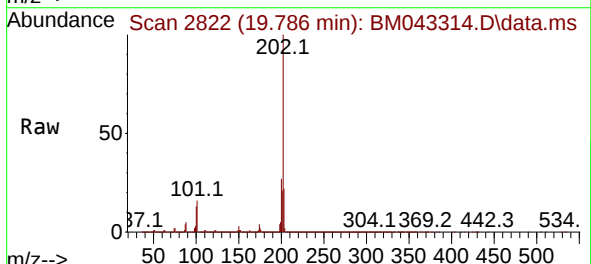


12/14/2023
Supervised By :mohammad
ahmed

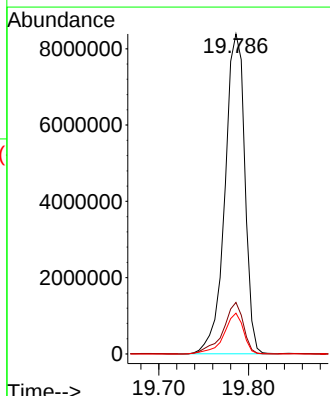
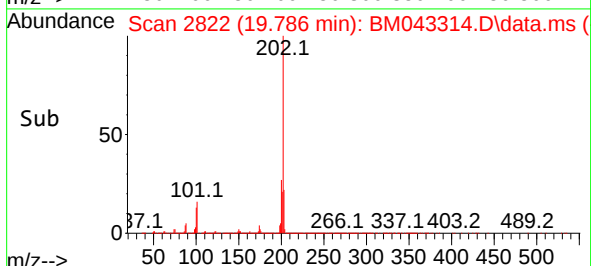
12/15/2023

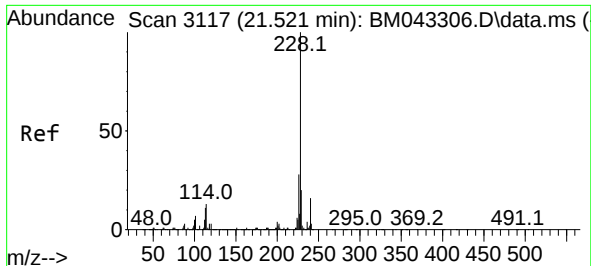


#82
Pyrene
Concen: 127.760 ng/u1
RT: 19.786 min Scan# 2822
Delta R.T. 0.012 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49



Tgt Ion:202 Resp:12896274
Ion Ratio Lower Upper
202 100
101 16.1 10.2 15.2#
100 12.7 8.2 12.2#





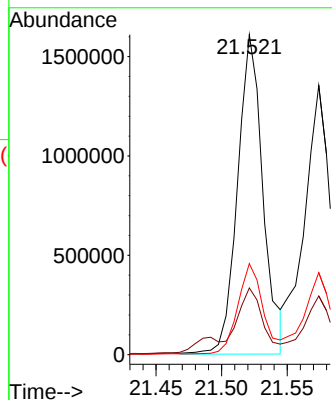
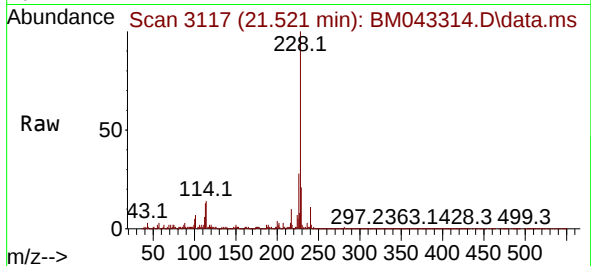
#85
Benzo(a)anthracene
Concen: 21.419 ng/ul
RT: 21.521 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49

Instrument :
BNA_M
ClientSampleId :
DCLH4

Tgt Ion:228 Resp: 2171160
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.8
226 28.4 22.2 33.4

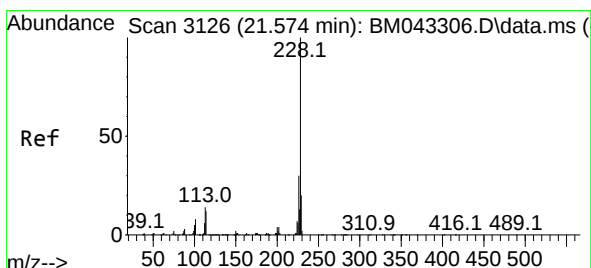
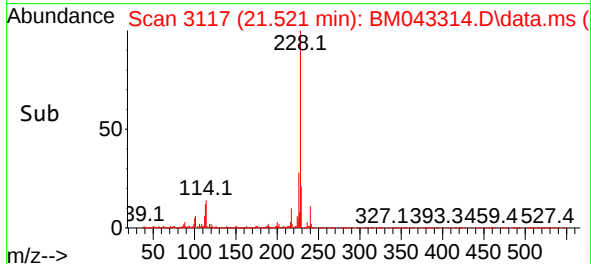
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



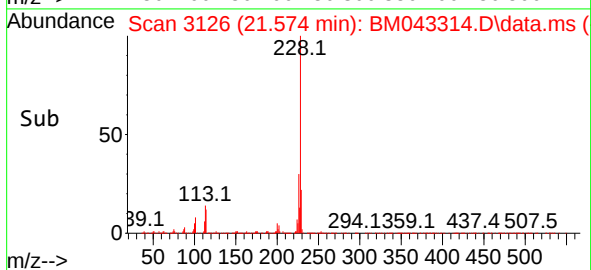
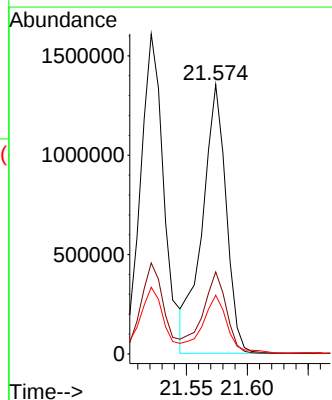
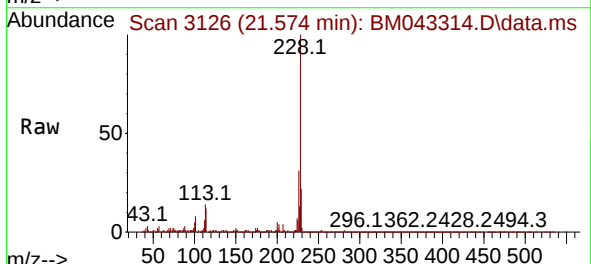
12/14/2023
Supervised By :mohammad
ahmed

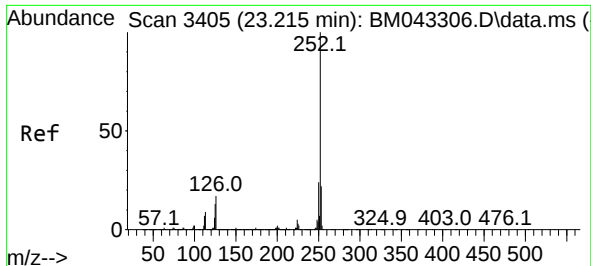
12/15/2023



#87
Chrysene
Concen: 20.416 ng/ul
RT: 21.574 min Scan# 3126
Delta R.T. 0.000 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49

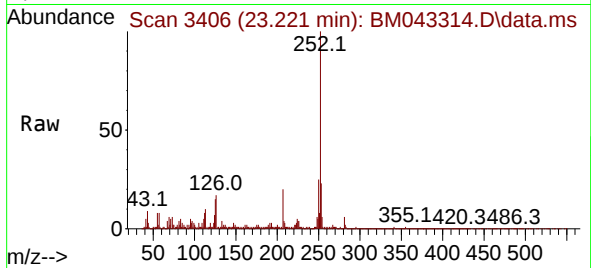
Tgt Ion:228 Resp: 1848291
Ion Ratio Lower Upper
228 100
226 30.5 24.8 37.2
229 21.8 16.2 24.2





#90
Benzo(b)fluoranthene
Concen: 11.282 ng/ul
RT: 23.221 min Scan# 3405
Delta R.T. 0.006 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49

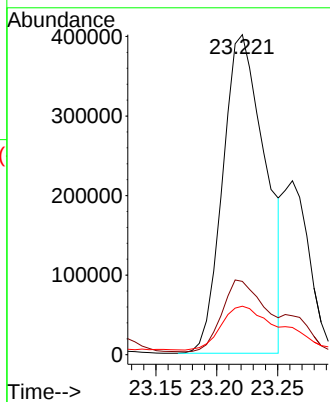
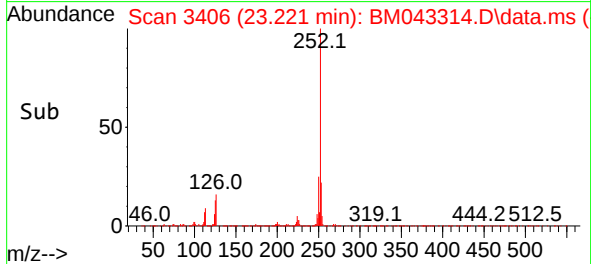
Instrument :
BNA_M
ClientSampleId :
DCLH4



Tgt Ion:252 Resp: 975130
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 15.2 7.2 10.8

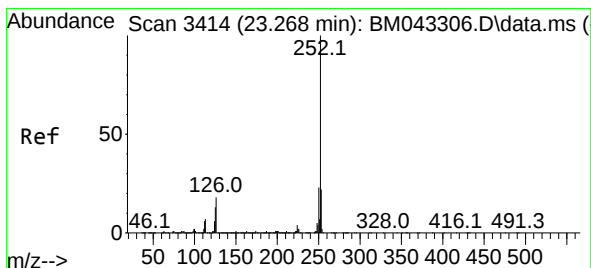
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



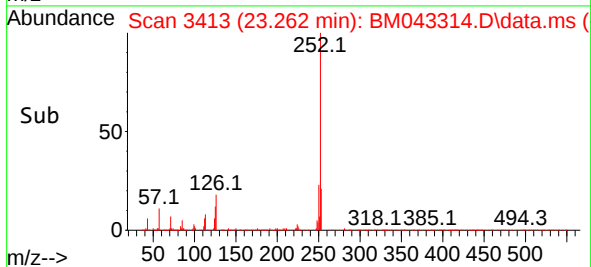
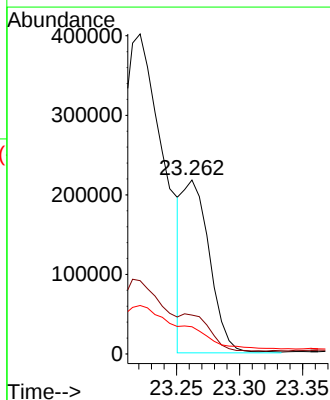
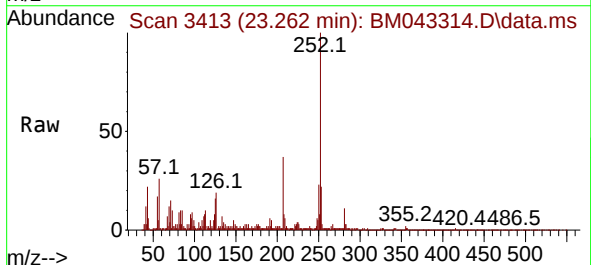
12/14/2023
Supervised By :mohammad
ahmed

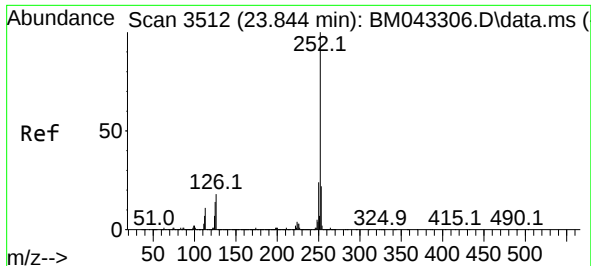
12/15/2023



#91
Benzo(k)fluoranthene
Concen: 3.773 ng/ul m
RT: 23.262 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49

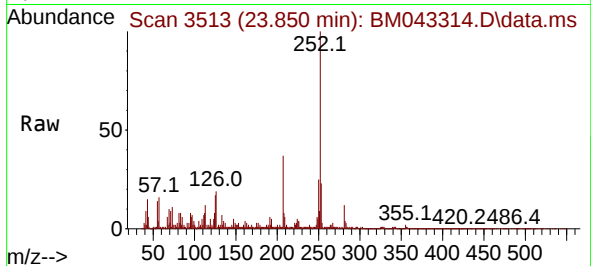
Tgt Ion:252 Resp: 324755
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 15.7 7.7 11.5





#93
Benzo(a)pyrene
Concen: 5.555 ng/ul
RT: 23.850 min Scan# 3512
Delta R.T. 0.006 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49

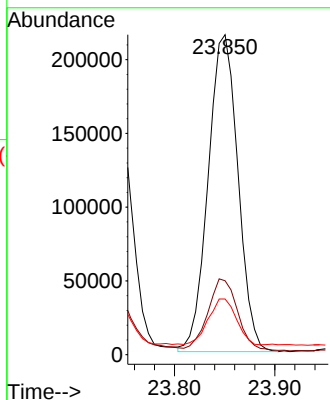
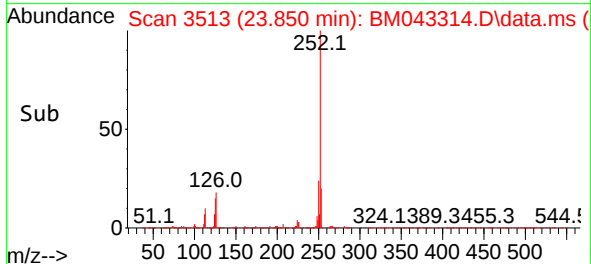
Instrument :
BNA_M
ClientSampleId :
DCLH4



Tgt Ion:252 Resp: 443768
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 17.4 8.4 12.6

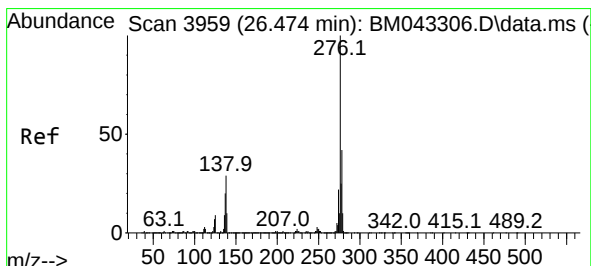
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



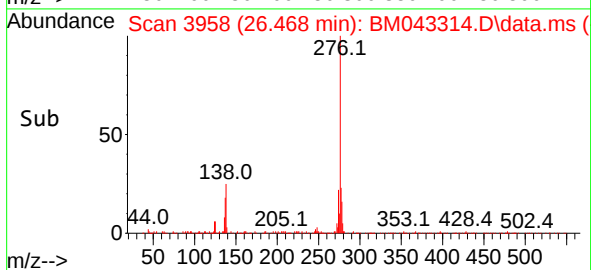
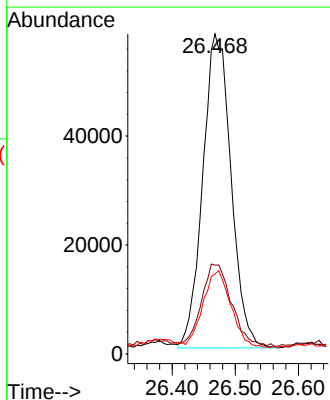
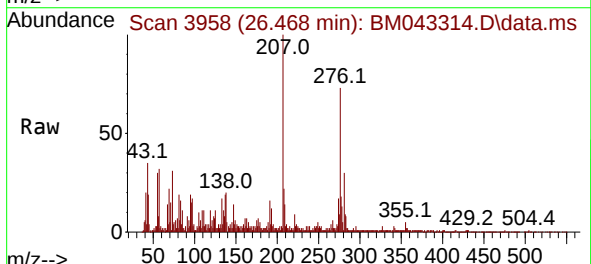
12/14/2023
Supervised By :mohammad
ahmed

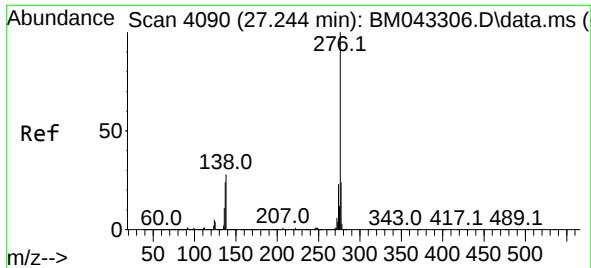
12/15/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 1.968 ng/ul
RT: 26.468 min Scan# 3958
Delta R.T. -0.006 min
Lab File: BM043314.D
Acq: 13 Dec 2023 22:49

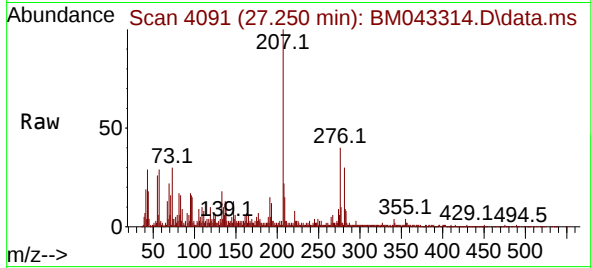
Tgt Ion:276 Resp: 179116
Ion Ratio Lower Upper
276 100
138 27.7 16.9 25.3#
277 25.1 19.5 29.3





#96
 Benzo(g,h,i)perylene
 Concen: 1.641 ng/ul
 RT: 27.250 min Scan# 4091
 Delta R.T. 0.006 min
 Lab File: BM043314.D
 Acq: 13 Dec 2023 22:49

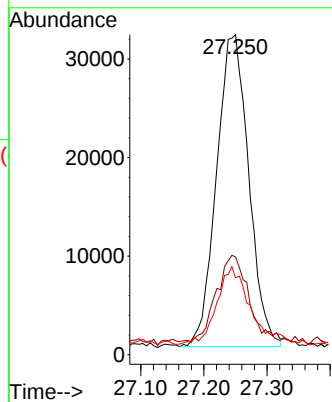
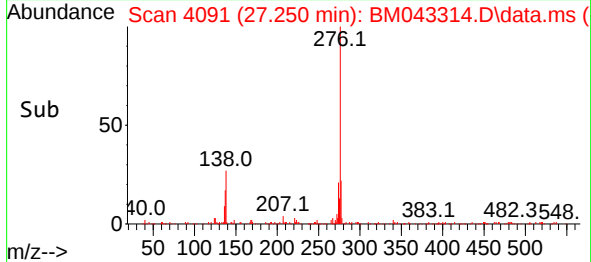
Instrument :
 BNA_M
 ClientSampleId :
 DCLH4



Tgt Ion:276 Resp: 112498
 Ion Ratio Lower Upper
 276 100
 138 30.6 16.2 24.2
 277 24.1 18.7 28.1

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel



12/14/2023
 Supervised By :mohammad
 ahmed

12/15/2023