

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049559.D
 Acq On : 31 Jan 2025 15:57
 Operator : RC/JU
 Sample : Q1190-03DL 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A44S4DL

Quant Time: Feb 03 10:05:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 28 14:45:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut
 Upadhyay
 02/03/2025

Supervised By :mohammad
 ahmed
 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	238189	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	940208	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.157	164	639979	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1309414	20.000	ng/u1	0.00
79) Chrysene-d12	21.150	240	1298074	20.000	ng/u1	0.02
88) Perylene-d12	23.939	264	1417785	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.116	96	2844	0.442	ng/uL	0.00
4) Pyridine-d5	3.522	84	11148	0.590	ng/u1	0.01
7) Phenol-d5	6.728	99	63494	3.285	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.863	67	37006	2.800	ng/u1	0.00
11) 2-Chlorophenol-d4	7.063	132	53360	3.568	ng/u1	0.01
15) 4-Methylphenol-d8	8.245	113	46731	3.300	ng/u1	0.02
21) Nitrobenzene-d5	8.657	128	23770	3.305	ng/u1	0.00
24) 2-Nitrophenol-d4	9.375	143	24483	3.121	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.928	165	55571	3.471	ng/u1	0.02
31) 4-Chloroaniline-d4	10.434	131	23649m	1.152	ng/u1	0.01
46) Dimethylphthalate-d6	13.580	166	168293	3.586	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	165916	3.009	ng/u1	0.00
54) 4-Nitrophenol-d4	14.445	143	17523m	2.276	ng/u1	0.06
60) Fluorene-d10	15.157	176	120566	2.922	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.010	188	184534	2.822	ng/u1	0.00
81) Pyrene-d10	19.321	212	182469	2.405	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.750	264	113039	1.495	ng/u1	0.02
Target Compounds						
					Qvalue	
8) Phenol	6.757	94	23147	1.141	ng/u1	94
16) Acetophenone	8.328	105	102641	4.359	ng/u1	97
30) Naphthalene	10.322	128	352008	7.032	ng/u1	99
36) 2-Methylnaphthalene	11.945	142	99321	2.909	ng/u1	98
37) 1-Methylnaphthalene	12.169	142	59233	1.760	ng/u1	99
52) Acenaphthene	14.222	153	371110	9.177	ng/u1	100
56) Dibenzofuran	14.557	168	337501	5.853	ng/u1	99
61) Fluorene	15.210	166	436208	9.362	ng/u1	98
72) Phenanthrene	16.957	178	4996025	67.781	ng/u1	100
74) Anthracene	17.045	178	1284016	17.295	ng/u1	100
77) Carbazole	17.321	167	555986	8.379	ng/u1	100
80) Fluoranthene	18.986	202	6814633	78.626	ng/u1	99
82) Pyrene	19.351	202	4689448	50.286	ng/u1	99
85) Benzo(a)anthracene	21.133	228	2942653	32.271	ng/u1	98
87) Chrysene	21.192	228	2492694	29.436	ng/u1	97
90) Benzo(b)fluoranthene	23.074	252	3237716	35.231	ng/u1	98
91) Benzo(k)fluoranthene	23.127	252	1105033	11.900	ng/u1	98
93) Benzo(a)pyrene	23.809	252	1404559	16.293	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.044	276	1141141	10.679	ng/u1	99
95) Dibenzo(a,h)anthracene	27.074	278	403950	4.665	ng/u1#	92
96) Benzo(g,h,i)perylene	27.997	276	122366	1.506	ng/u1#	90

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

Instrument :

BNA_M

ClientSampleId :

A44S4DL

Manual Integrations

APPROVED

Reviewed By :Jagrut

Upadhyay

02/03/2025

Supervised By :monammad

ahmed

02/04/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
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 Misc :
 ALS Vial : 40 Sample Multiplier: 1

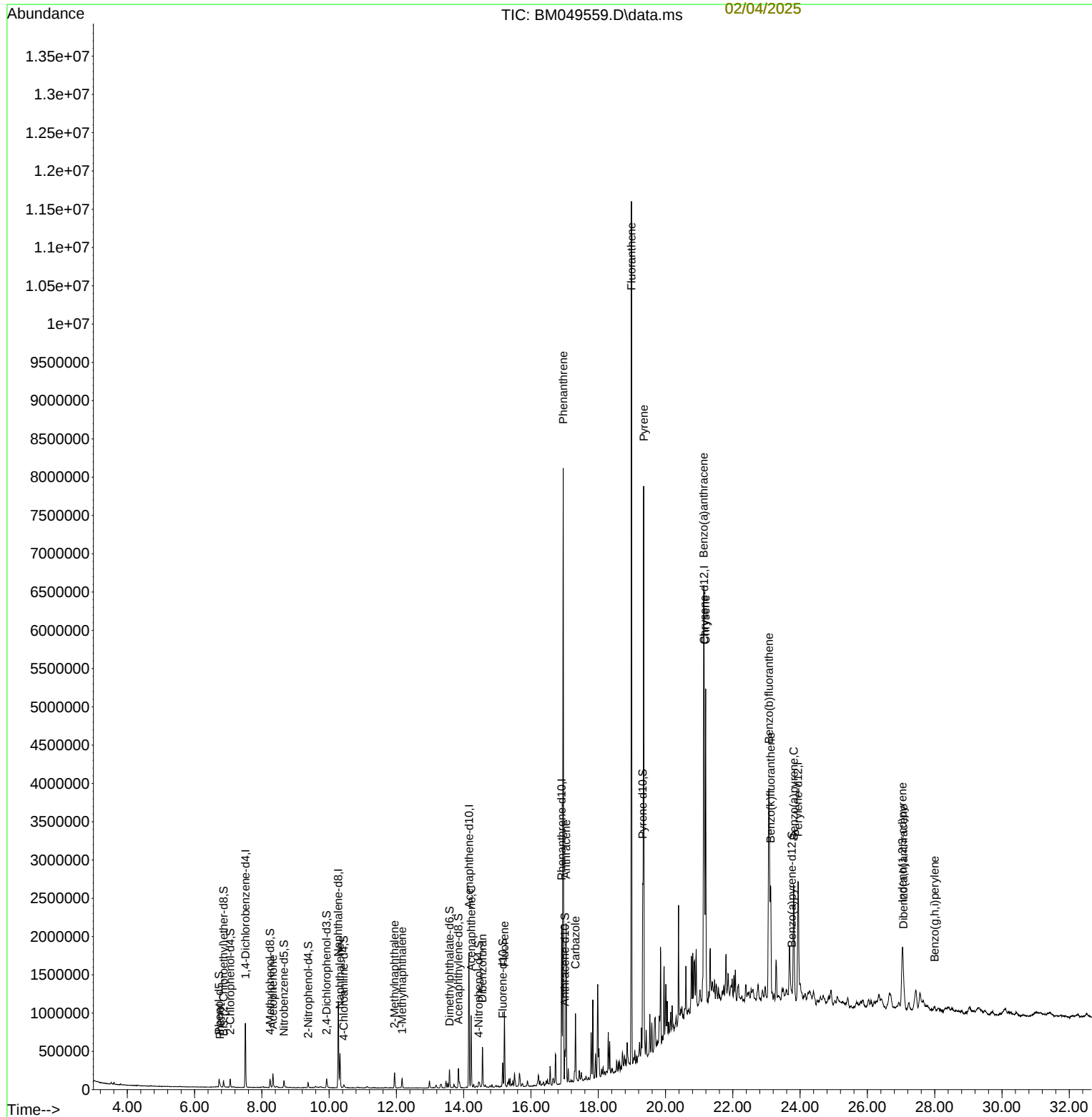
Instrument :
 BNA_M
 ClientSampleId :
 A44S4DL

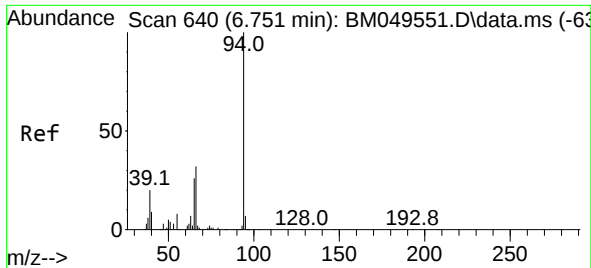
Quant Time: Feb 03 10:05:57 2025
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 02/03/2025

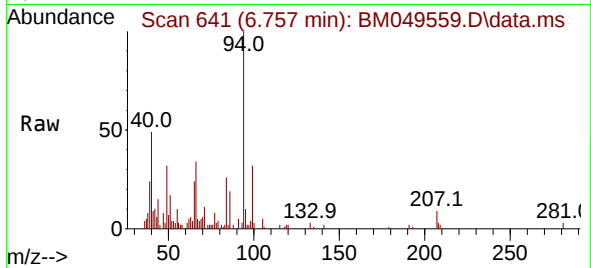
Supervised By :mohammad
 ahmed
 02/04/2025





#8
Phenol
Concen: 1.141 ng/ul
RT: 6.757 min Scan# 641
Delta R.T. 0.023 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57

Instrument :
BNA_M
ClientSampleId :
A44S4DL

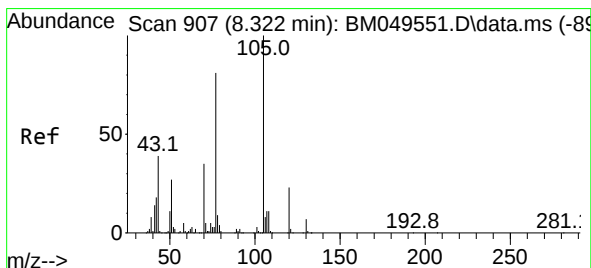
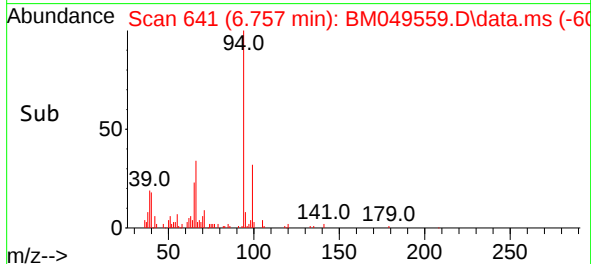
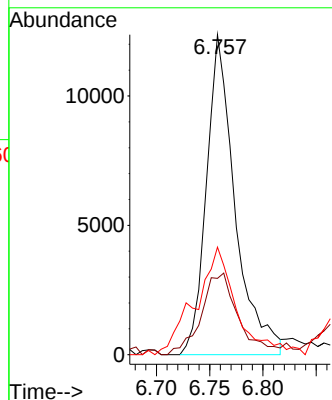


Tgt Ion: 94 Resp: 2314
Ion Ratio Lower Upper
94 100
65 23.8 23.4 35.0
66 33.6 27.8 41.8

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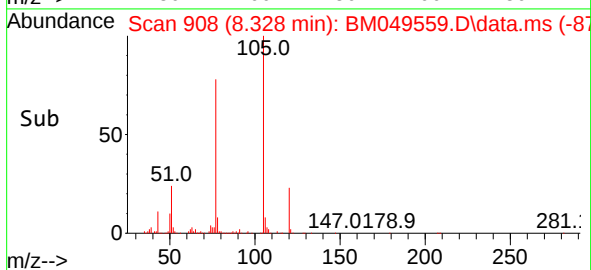
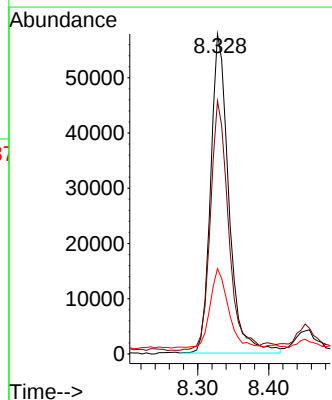
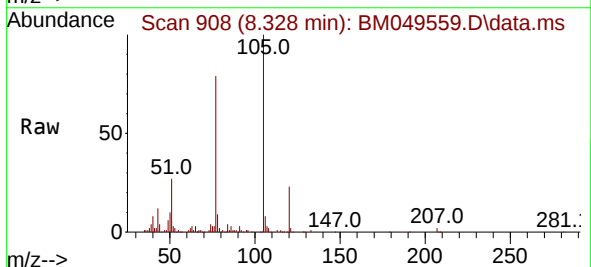
Reviewed By :Jagrut
Upadhyay
02/03/2025

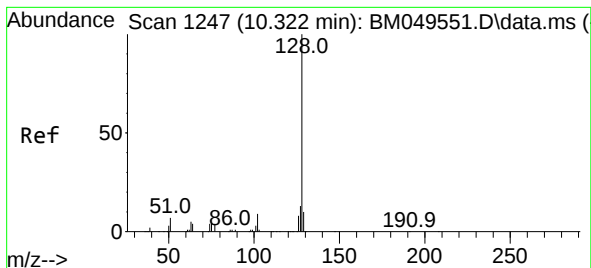
Supervised By :mohammad
ahmed
02/04/2025



#16
Acetophenone
Concen: 4.359 ng/ul
RT: 8.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57

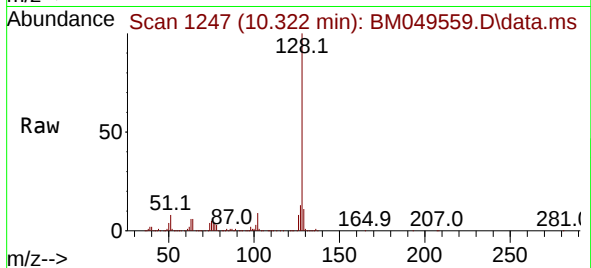
Tgt Ion:105 Resp: 102641
Ion Ratio Lower Upper
105 100
77 79.1 64.6 97.0
51 26.6 23.3 34.9





#30
Naphthalene
Concen: 7.032 ng/ul
RT: 10.322 min Scan# 1247
Delta R.T. -0.000 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57

Instrument :
BNA_M
ClientSampleId :
A44S4DL

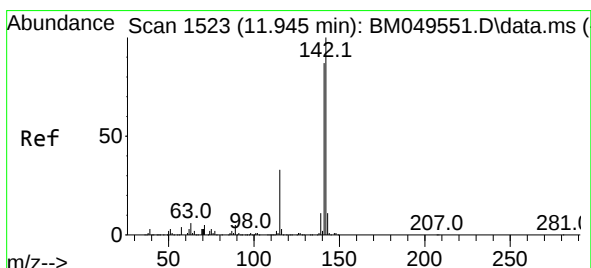
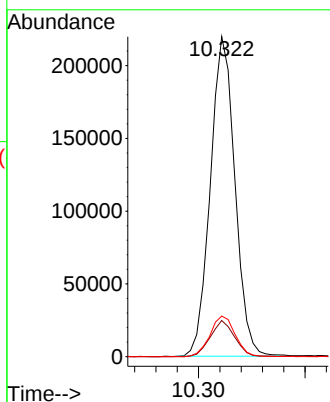
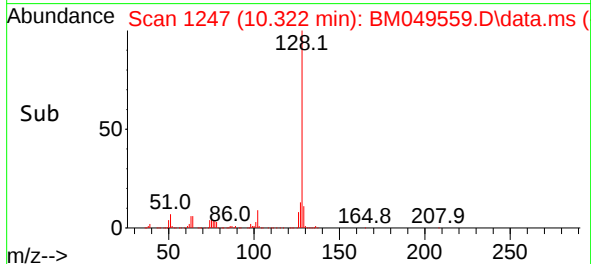


Tgt Ion:128 Resp: 352000
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 12.7 10.6 15.8

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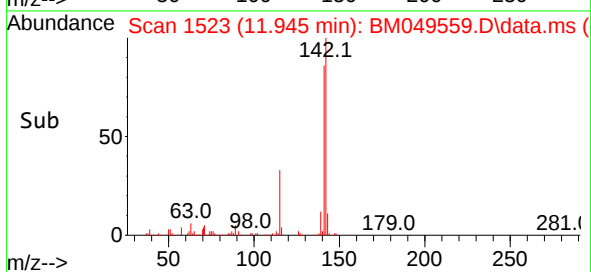
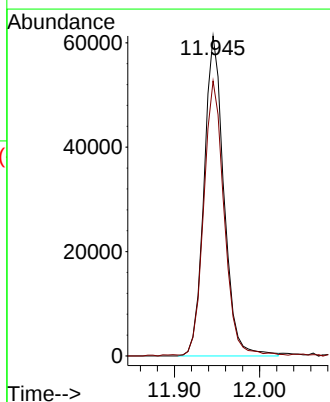
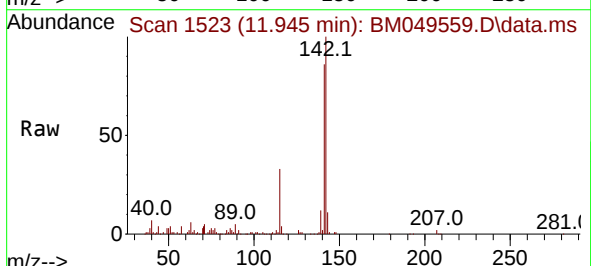
Reviewed By :Jagrut
Upadhyay
02/03/2025

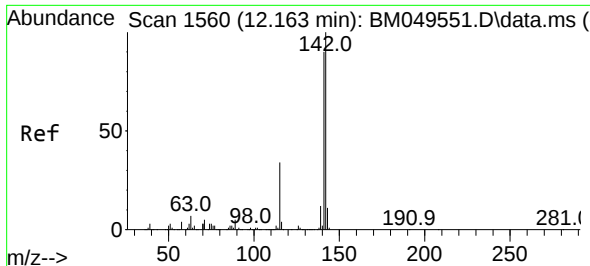
Supervised By :mohammad
ahmed
02/04/2025



#36
2-Methylnaphthalene
Concen: 2.909 ng/ul
RT: 11.945 min Scan# 1523
Delta R.T. -0.000 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57

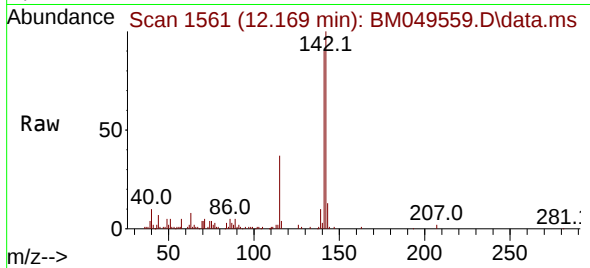
Tgt Ion:142 Resp: 99321
Ion Ratio Lower Upper
142 100
141 85.9 70.4 105.6





#37
1-Methylnaphthalene
Concen: 1.760 ng/ul
RT: 12.169 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57

Instrument :
BNA_M
ClientSampleId :
A44S4DL

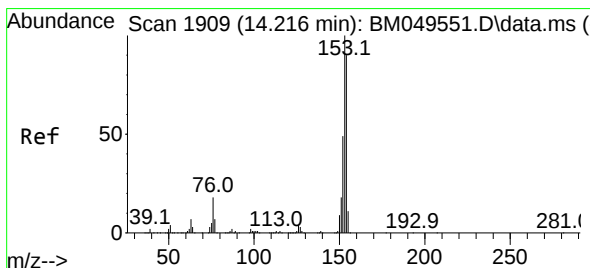
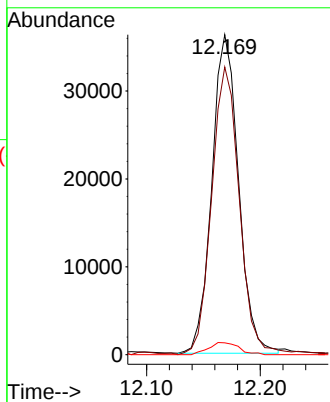
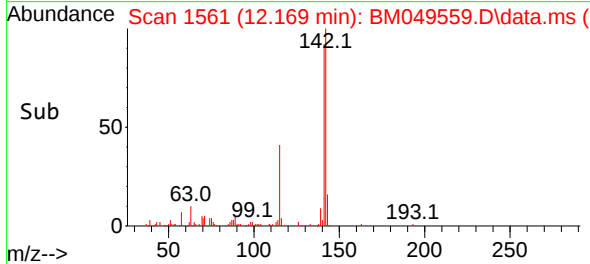


Tgt Ion:142 Resp: 5923
Ion Ratio Lower Upper
142 100
141 89.9 72.8 109.2
116 3.7 3.0 4.6

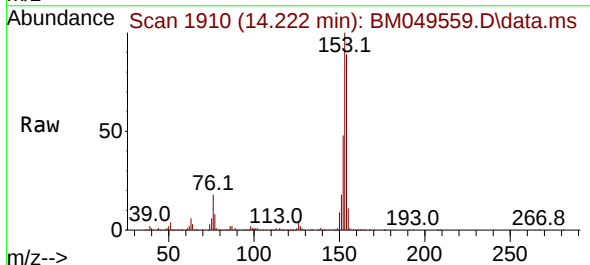
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay
02/03/2025

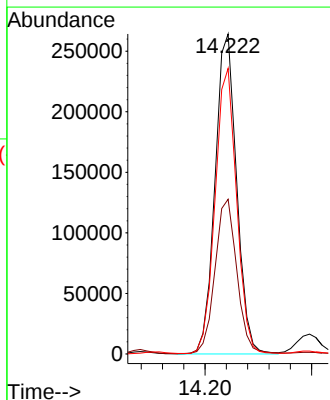
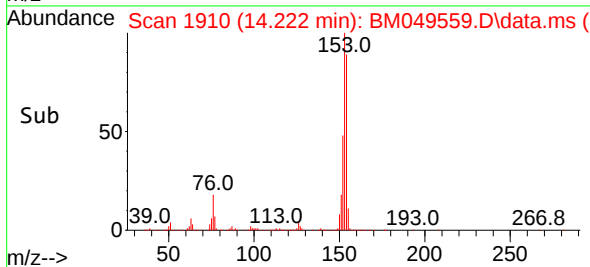
Supervised By :mohammad
ahmed
02/04/2025

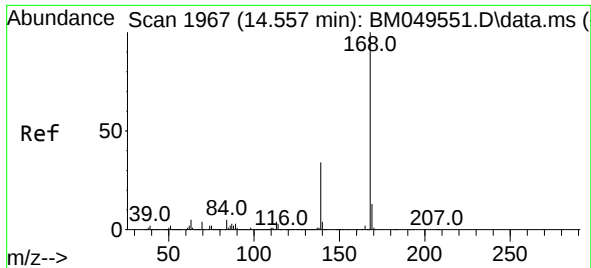


#52
Acenaphthene
Concen: 9.177 ng/ul
RT: 14.222 min Scan# 1910
Delta R.T. 0.006 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57



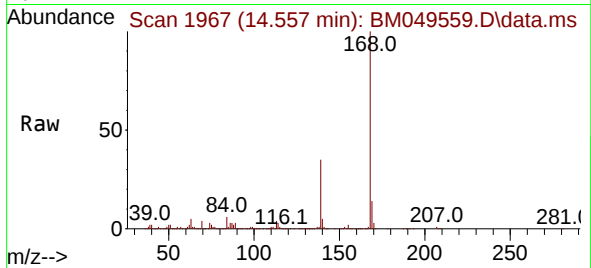
Tgt Ion:153 Resp: 371110
Ion Ratio Lower Upper
153 100
152 48.3 39.0 58.4
154 89.3 71.5 107.3





#56
Dibenzofuran
Concen: 5.853 ng/ul
RT: 14.557 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57

Instrument :
BNA_M
ClientSampleId :
A44S4DL

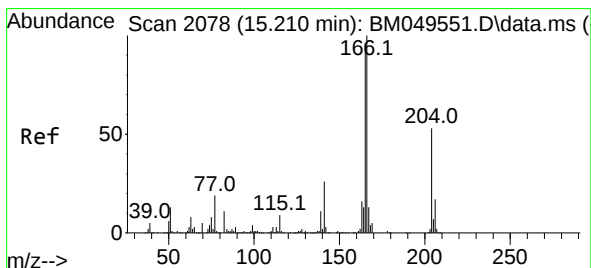
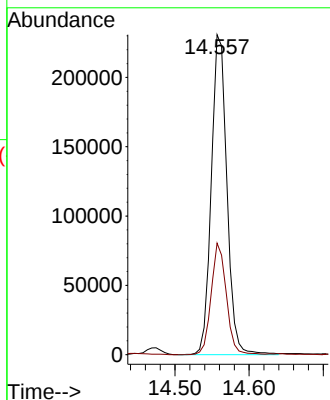


Tgt Ion:168 Resp: 337500
Ion Ratio Lower Upper
168 100
139 34.9 27.4 41.0

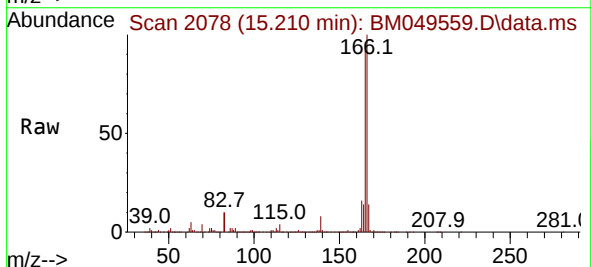
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay
02/03/2025

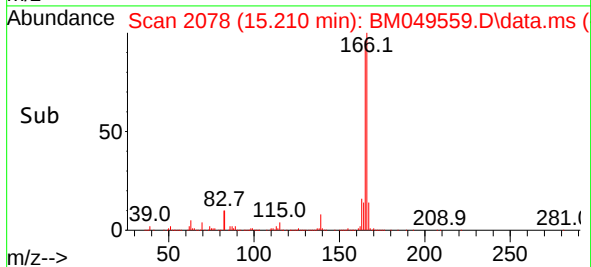
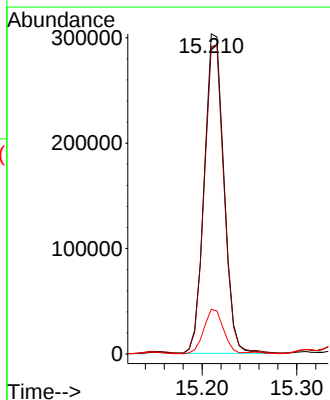
Supervised By :mohammad
ahmed
02/04/2025

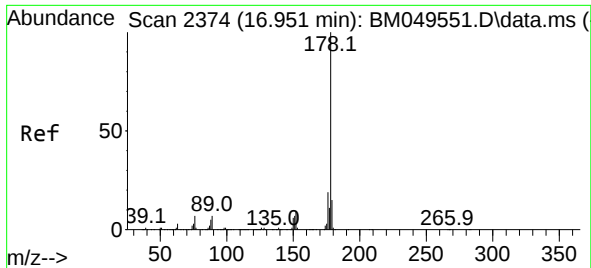


#61
Fluorene
Concen: 9.362 ng/ul
RT: 15.210 min Scan# 2078
Delta R.T. -0.000 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57



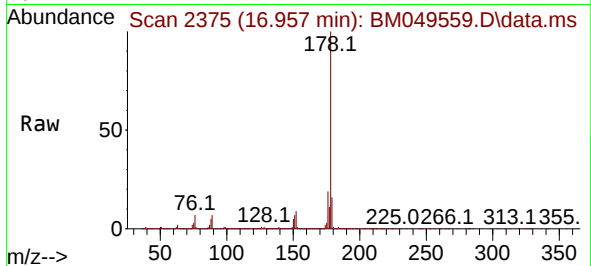
Tgt Ion:166 Resp: 436208
Ion Ratio Lower Upper
166 100
165 96.1 78.5 117.7
167 14.0 10.7 16.1





#72
Phenanthrene
Concen: 67.781 ng/ul
RT: 16.957 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57

Instrument :
BNA_M
ClientSampleId :
A44S4DL

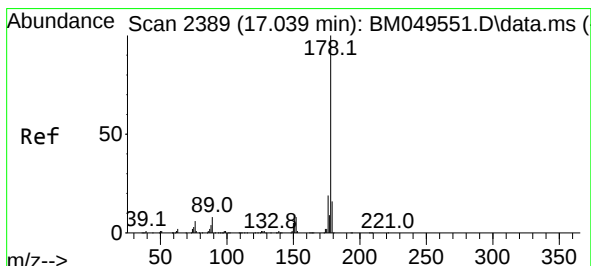
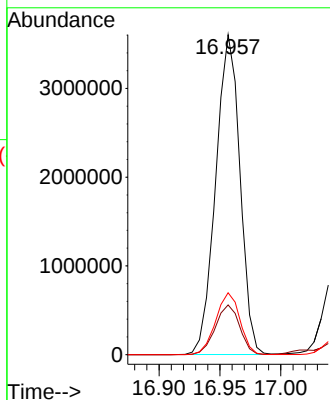
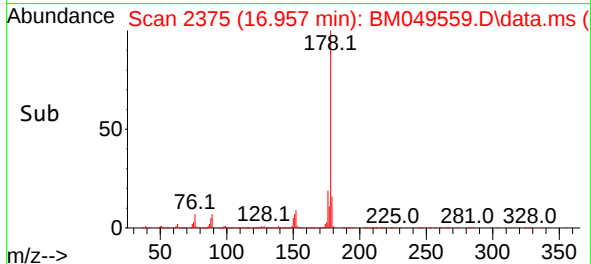


Tgt Ion:178 Resp: 499602
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 19.4 15.6 23.4

Manual Integrations
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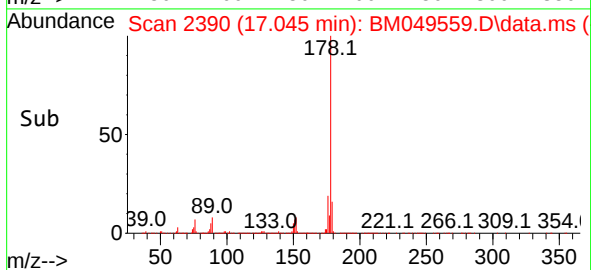
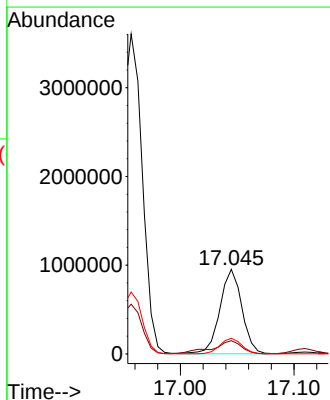
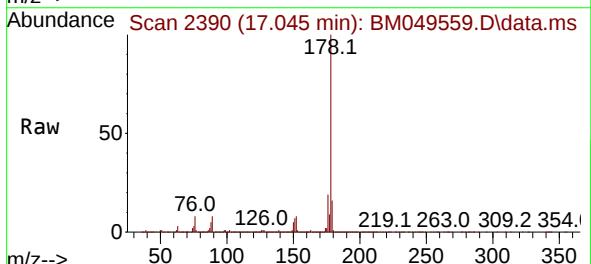
Reviewed By :Jagrut
Upadhyay
02/03/2025

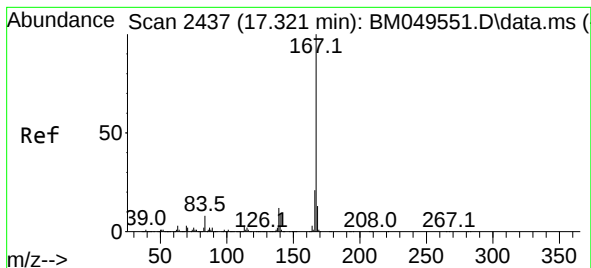
Supervised By :mohammad
ahmed
02/04/2025



#74
Anthracene
Concen: 17.295 ng/ul
RT: 17.045 min Scan# 2390
Delta R.T. 0.006 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57

Tgt Ion:178 Resp: 1284016
Ion Ratio Lower Upper
178 100
179 15.6 12.2 18.4
176 18.6 15.0 22.4





#77

Carbazole

Concen: 8.379 ng/ul

RT: 17.321 min Scan# 2437

Delta R.T. 0.006 min

Lab File: BM049559.D

Acq: 31 Jan 2025 15:57

Instrument :

BNA_M

ClientSampleId :

A44S4DL

Tgt Ion:167 Resp: 555980

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	11.7	9.3	13.9

Manual Integrations

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Reviewed By :Jagrut

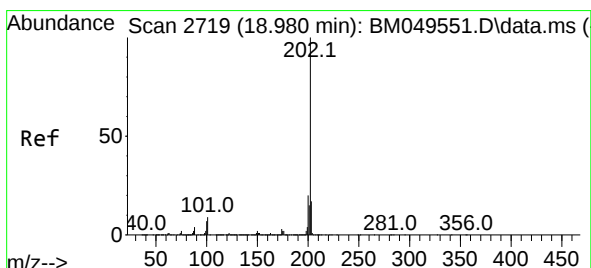
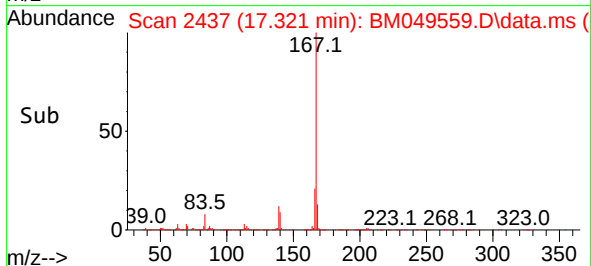
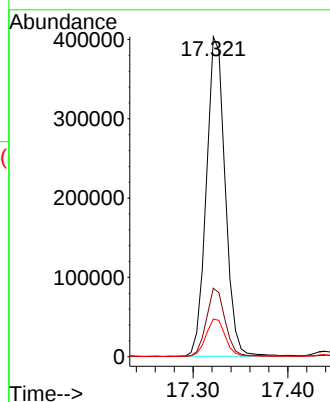
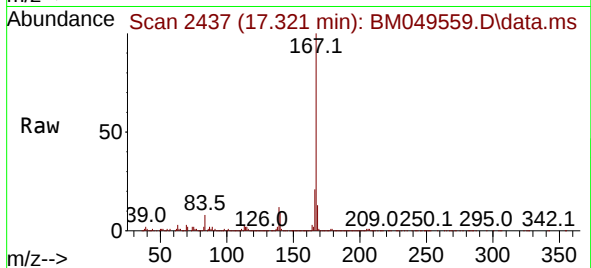
Upadhyay

02/03/2025

Supervised By :mohammad

ahmed

02/04/2025



#80

Fluoranthene

Concen: 78.626 ng/ul

RT: 18.986 min Scan# 2720

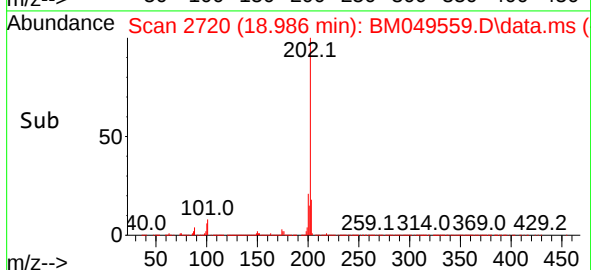
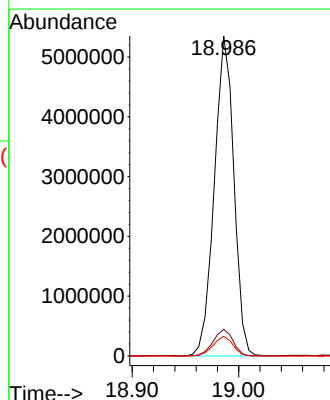
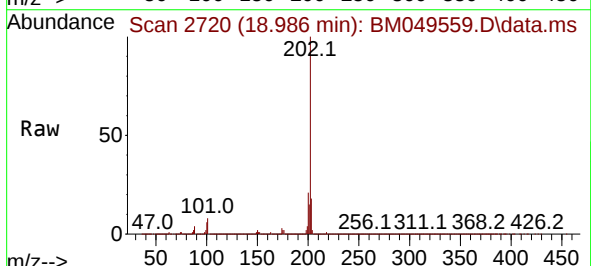
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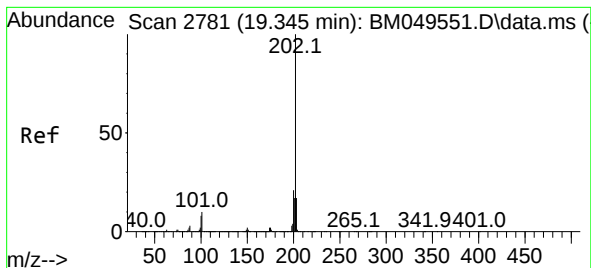
Lab File: BM049559.D

Acq: 31 Jan 2025 15:57

Tgt Ion:202 Resp: 6814633

Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.9	10.3
100	6.1	5.1	7.7





#82

Pyrene

Concen: 50.286 ng/u1

RT: 19.351 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM049559.D

Acq: 31 Jan 2025 15:57

Instrument :

BNA_M

ClientSampleId :

A44S4DL

Tgt Ion:202 Resp: 468944

Ion Ratio Lower Upper

202 100

101 9.8 8.3 12.5

100 7.7 6.6 9.8

Manual Integrations

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Reviewed By :Jagrut

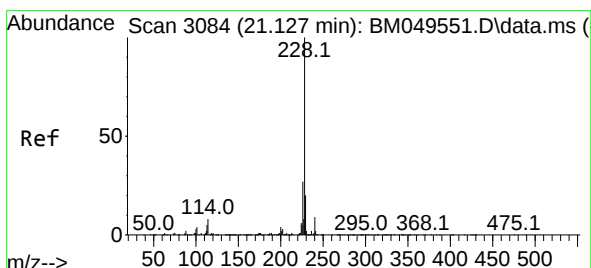
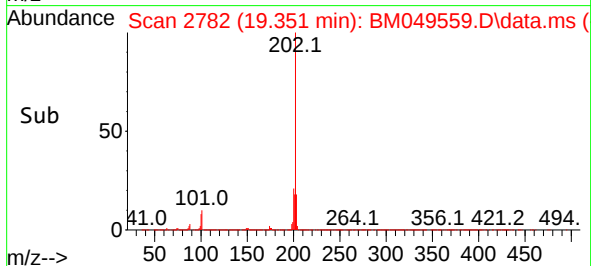
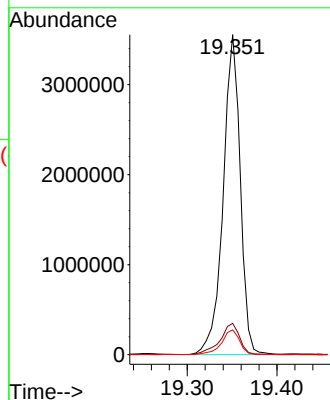
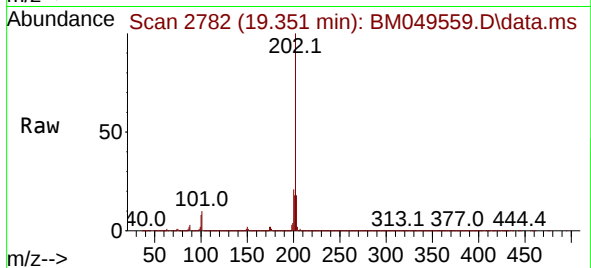
Upadhyay

02/03/2025

Supervised By :mohammad

ahmed

02/04/2025



#85

Benzo(a)anthracene

Concen: 32.271 ng/u1

RT: 21.133 min Scan# 3085

Delta R.T. 0.018 min

Lab File: BM049559.D

Acq: 31 Jan 2025 15:57

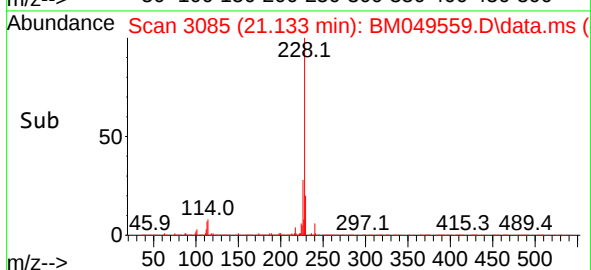
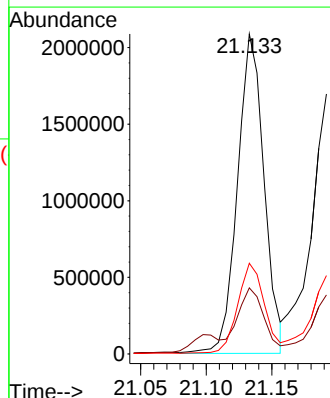
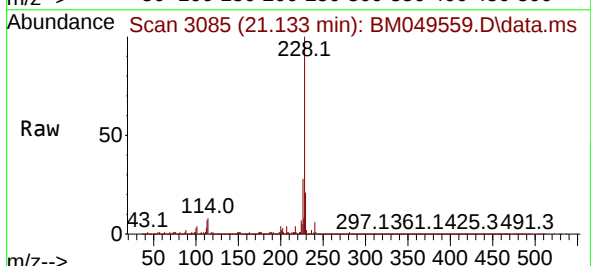
Tgt Ion:228 Resp: 2942653

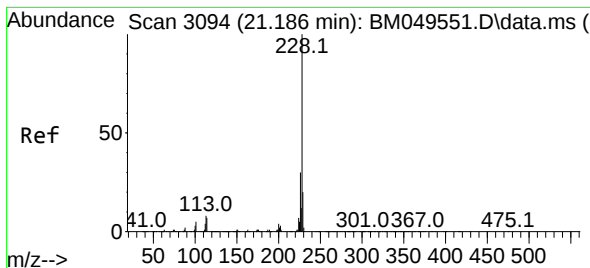
Ion Ratio Lower Upper

228 100

229 20.7 15.7 23.5

226 28.4 22.1 33.1





#87

Chrysene

Concen: 29.436 ng/ul

RT: 21.192 min Scan# 3094

Delta R.T. 0.018 min

Lab File: BM049559.D

Acq: 31 Jan 2025 15:57

Instrument :

BNA_M

ClientSampleId :

A44S4DL

Tgt Ion:228 Resp: 2492694

Ion Ratio Lower Upper

228 100

226 30.2 24.6 37.0

229 22.7 15.9 23.9

Manual Integrations

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Reviewed By :Jagrut

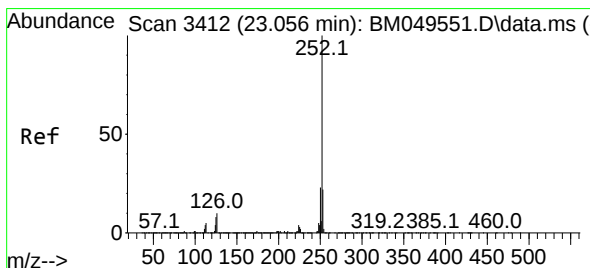
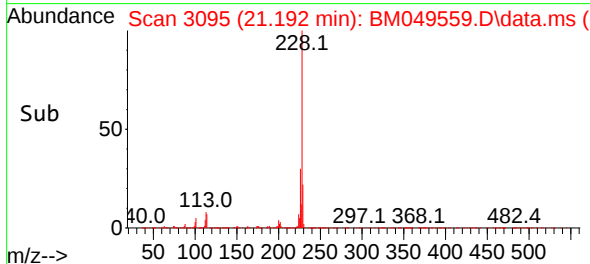
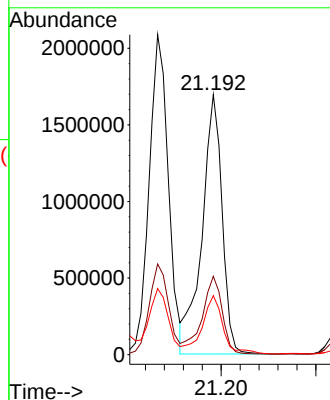
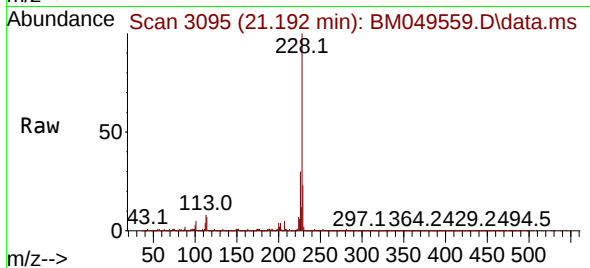
Upadhyay

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Supervised By :mohammad

ahmed

02/04/2025



#90

Benzo(b)fluoranthene

Concen: 35.231 ng/ul

RT: 23.074 min Scan# 3415

Delta R.T. 0.029 min

Lab File: BM049559.D

Acq: 31 Jan 2025 15:57

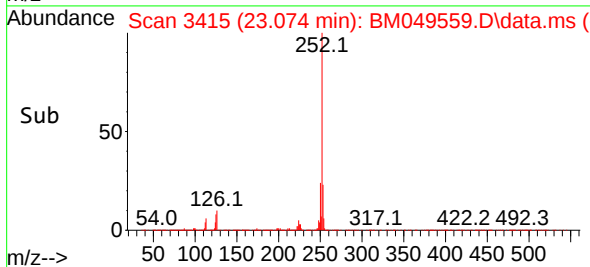
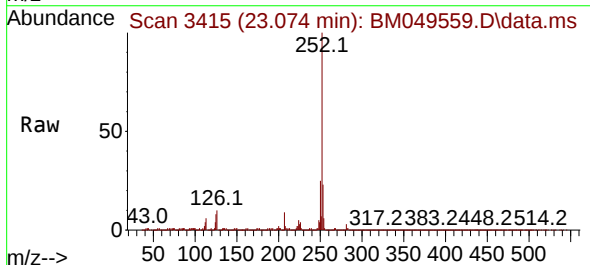
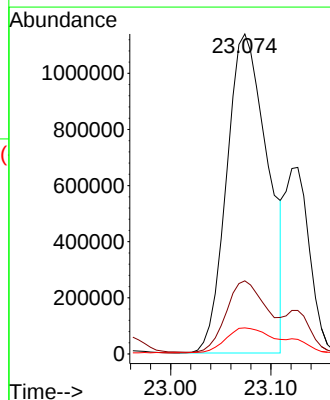
Tgt Ion:252 Resp: 3237716

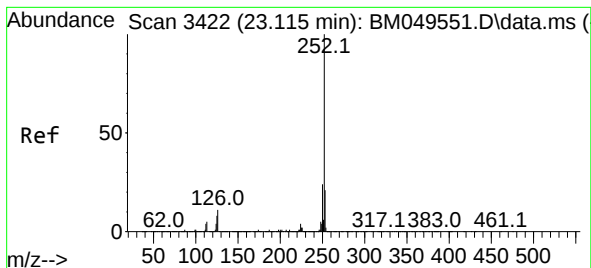
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 8.2 6.3 9.5





#91

Benzo(k)fluoranthene

Concen: 11.900 ng/ul

RT: 23.127 min Scan# 34

Delta R.T. 0.029 min

Lab File: BM049559.D

Acq: 31 Jan 2025 15:57

Instrument :

BNA_M

ClientSampleId :

A44S4DL

Tgt Ion:252 Resp: 110503

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 7.8 6.5 9.7

Manual Integrations

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Reviewed By :Jagrut

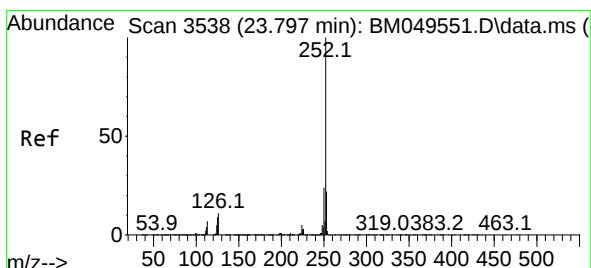
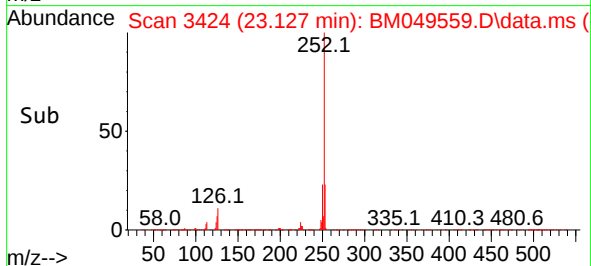
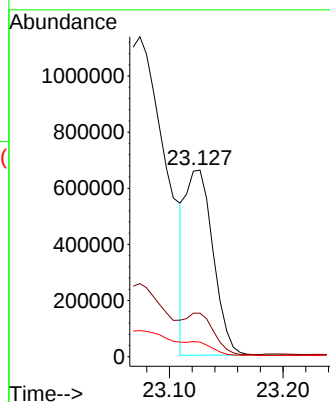
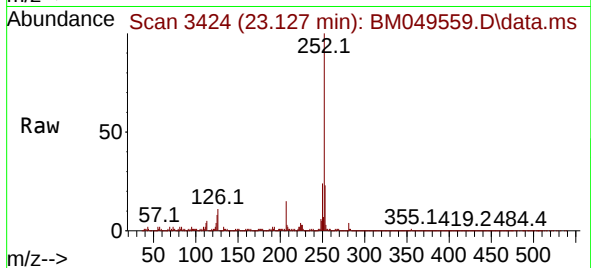
Upadhyay

02/03/2025

Supervised By :mohammad

ahmed

02/04/2025



#93

Benzo(a)pyrene

Concen: 16.293 ng/ul

RT: 23.809 min Scan# 3540

Delta R.T. 0.029 min

Lab File: BM049559.D

Acq: 31 Jan 2025 15:57

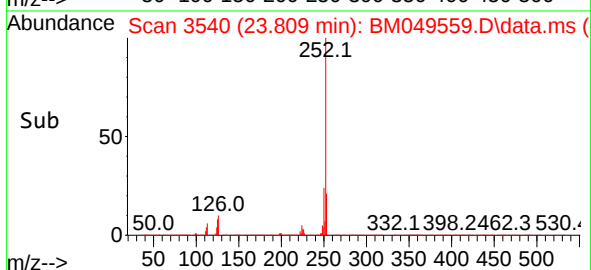
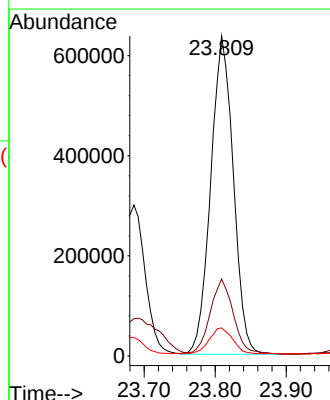
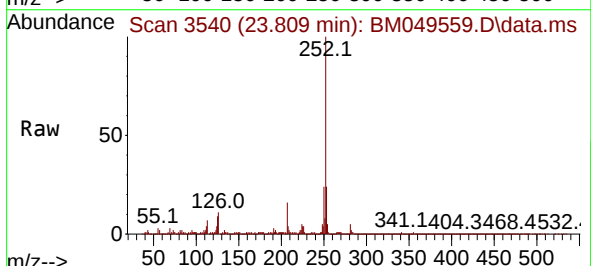
Tgt Ion:252 Resp: 1404559

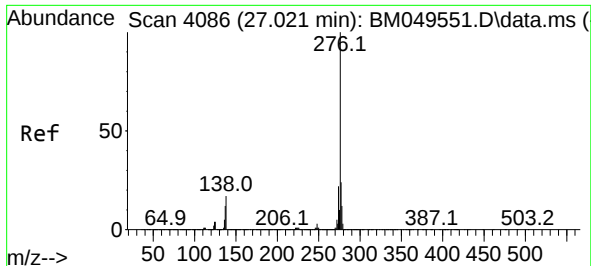
Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

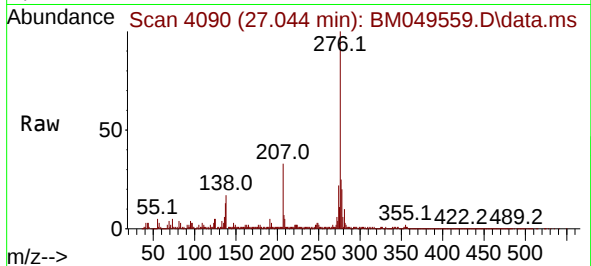
125 8.8 7.0 10.6





#94
Indeno(1,2,3-cd)pyrene
Concen: 10.679 ng/ul
RT: 27.044 min Scan# 4086
Delta R.T. 0.053 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57

Instrument :
BNA_M
ClientSampleId :
A44S4DL

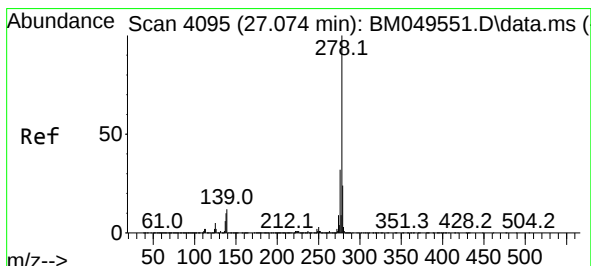
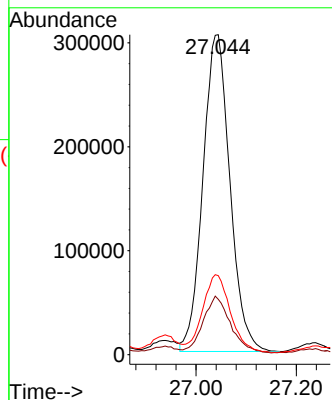
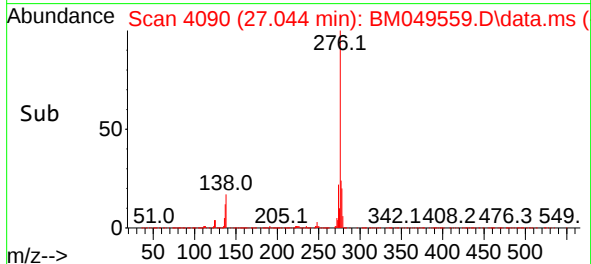


Tgt Ion: 276 Resp: 114114
Ion Ratio Lower Upper
276 100
138 17.3 13.8 20.6
277 24.7 19.0 28.6

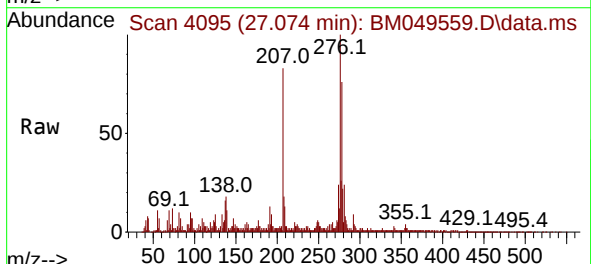
Manual Integrations
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Reviewed By :Jagrut
Upadhyay
02/03/2025

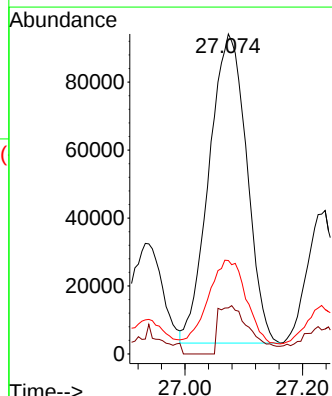
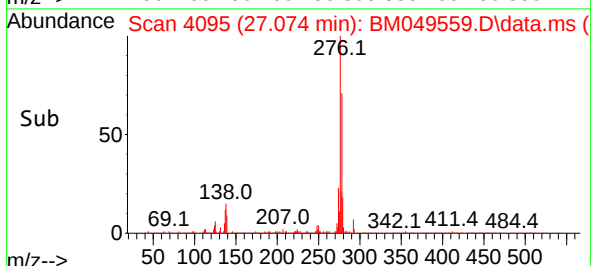
Supervised By :mohammad
ahmed
02/04/2025

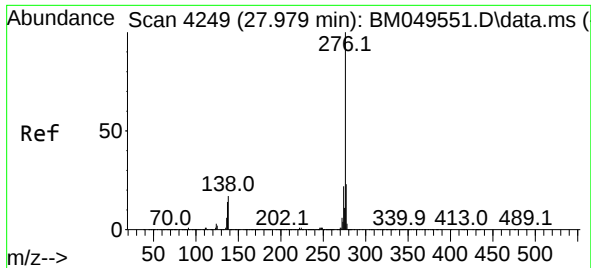


#95
Dibenzo(a,h)anthracene
Concen: 4.665 ng/ul
RT: 27.074 min Scan# 4095
Delta R.T. 0.023 min
Lab File: BM049559.D
Acq: 31 Jan 2025 15:57



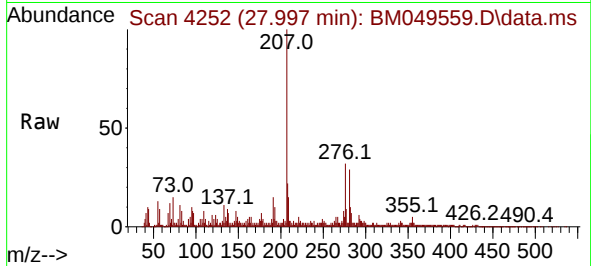
Tgt Ion: 278 Resp: 403950
Ion Ratio Lower Upper
278 100
139 14.4 10.5 15.7
279 29.2 19.3 28.9#





#96
 Benzo(g,h,i)perylene
 Concen: 1.506 ng/ul
 RT: 27.997 min Scan# 41
 Delta R.T. 0.047 min
 Lab File: BM049559.D
 Acq: 31 Jan 2025 15:57

Instrument :
 BNA_M
 ClientSampleId :
 A44S4DL



Tgt Ion:276 Resp: 122360
 Ion Ratio Lower Upper
 276 100
 138 21.9 14.1 21.1
 277 28.9 19.1 28.7

Manual Integrations
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Reviewed By :Jagrut
 Upadhyay
 02/03/2025

Supervised By :mohammad
 ahmed
 02/04/2025

