

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049557.D
 Acq On : 31 Jan 2025 14:38
 Operator : RC/JU
 Sample : Q1190-02 10X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A44S3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

ahmed 02/04/2025

Quant Time: Feb 03 08:20:48 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	217828	20.000	ng/u1	0.00
20) Naphthalene-d8	10.269	136	855684	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.157	164	578155	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1181308	20.000	ng/u1	0.00
79) Chrysene-d12	21.151	240	1151728	20.000	ng/u1	0.02
88) Perylene-d12	23.944	264	1259201	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.116	96	1136m	0.193	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.728	99	20484m	1.159	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.863	67	12203m	1.010	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	16919	1.237	ng/u1	0.00
15) 4-Methylphenol-d8	8.245	113	13817m	1.067	ng/u1	0.02
21) Nitrobenzene-d5	8.663	128	7014	1.071	ng/u1	0.00
24) 2-Nitrophenol-d4	9.375	143	7548m	1.057	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.928	165	17192m	1.180	ng/u1	0.02
31) 4-Chloroaniline-d4	10.445	131	3531m	0.189	ng/u1	0.02
46) Dimethylphthalate-d6	13.575	166	56314	1.328	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	55581	1.116	ng/u1	0.00
54) 4-Nitrophenol-d4	14.457	143	5447m	0.783	ng/u1	0.08
60) Fluorene-d10	15.157	176	41322	1.108	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.310	200	764m	0.103	ng/u1	0.03
73) Anthracene-d10	17.010	188	70183	1.190	ng/u1	0.00
81) Pyrene-d10	19.321	212	66049	0.981	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.750	264	39431	0.587	ng/u1	0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.334	105	44466	2.065	ng/u1	97
30) Naphthalene	10.322	128	110597	2.428	ng/u1	97
36) 2-Methylnaphthalene	11.945	142	46096	1.484	ng/u1	99
37) 1-Methylnaphthalene	12.169	142	41511	1.355	ng/u1	100
50) Acenaphthylene	13.874	152	138140	2.700	ng/u1	97
52) Acenaphthene	14.216	153	255718	7.000	ng/u1	99
56) Dibenzofuran	14.557	168	202329	3.884	ng/u1	98
61) Fluorene	15.210	166	311448	7.399	ng/u1	96
72) Phenanthrene	16.957	178	4999778	75.188	ng/u1	100
74) Anthracene	17.045	178	1491292	22.265	ng/u1	100
77) Carbazole	17.321	167	425915	7.115	ng/u1	99
80) Fluoranthene	18.986	202	10328954	134.317	ng/u1	98
82) Pyrene	19.351	202	7812100	94.415	ng/u1	99
85) Benzo(a)anthracene	21.133	228	5116859	63.246	ng/u1	98
87) Chrysene	21.192	228	4385074	58.363	ng/u1	97
90) Benzo(b)fluoranthene	23.080	252	5440370	66.655	ng/u1	98
91) Benzo(k)fluoranthene	23.127	252	2099936m	25.461	ng/u1	
93) Benzo(a)pyrene	23.815	252	2344914	30.626	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.044	276	1932031	20.358	ng/u1	98
95) Dibenzo(a,h)anthracene	27.080	278	700479	9.109	ng/u1#	92
96) Benzo(g,h,i)perylene	28.003	276	211258	2.928	ng/u1	92

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

Instrument :

BNM_M

ClientSampleId :

A44S3

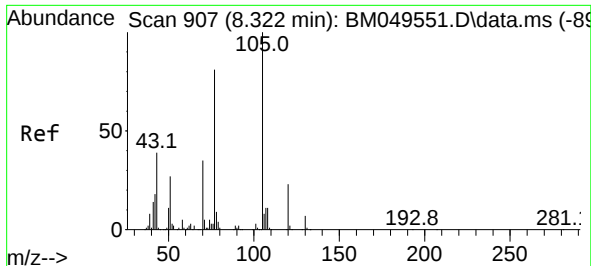
Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025

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#16
Acetophenone
Concen: 2.065 ng/ul
RT: 8.334 min Scan# 907
Delta R.T. 0.006 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38

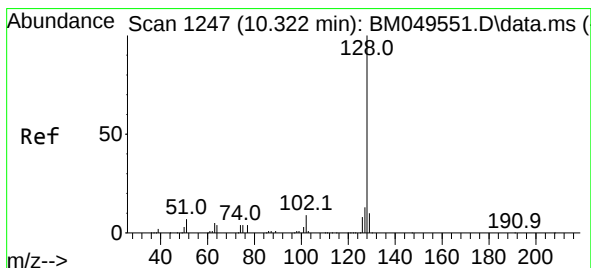
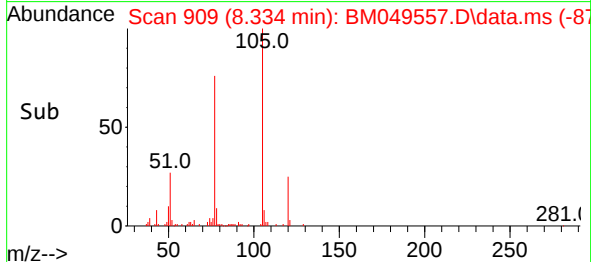
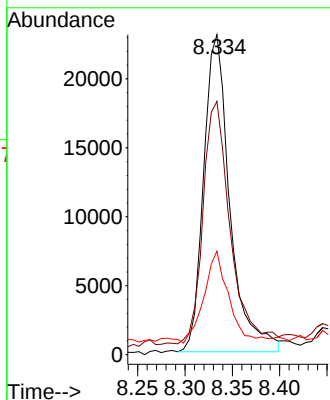
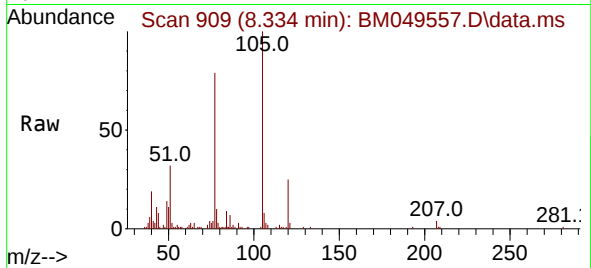
Instrument :
BNA_M
ClientSampleId :
A44S3

Tgt Ion:105 Resp: 4446
Ion Ratio Lower Upper
105 100
77 79.1 64.6 97.0
51 32.4 23.3 34.9

Manual Integrations
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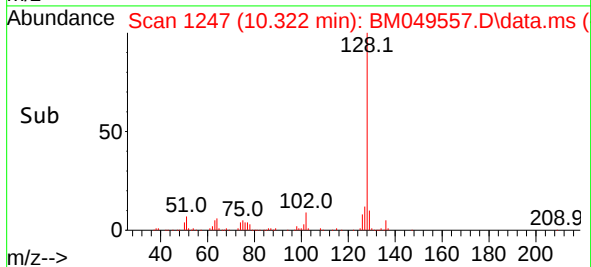
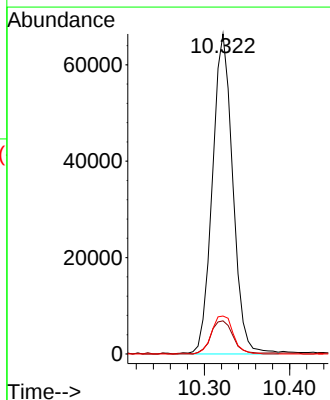
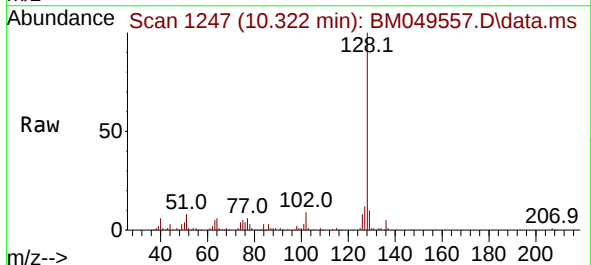
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

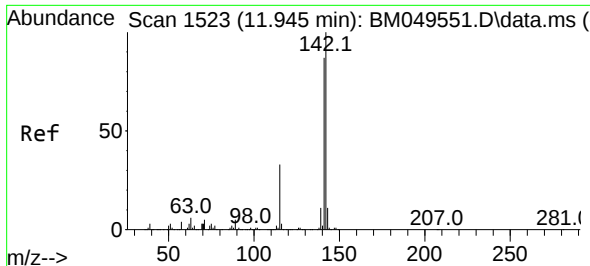
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#30
Naphthalene
Concen: 2.428 ng/ul
RT: 10.322 min Scan# 1247
Delta R.T. -0.000 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38

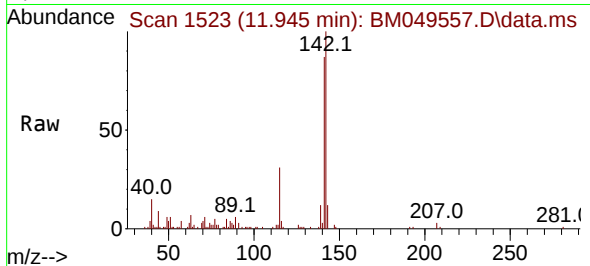
Tgt Ion:128 Resp: 110597
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 11.9 10.6 15.8





#36
2-Methylnaphthalene
Concen: 1.484 ng/ul
RT: 11.945 min Scan# 1523
Delta R.T. -0.000 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38

Instrument :
BNA_M
ClientSampleId :
A44S3

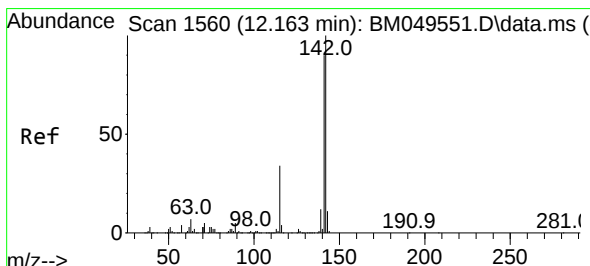
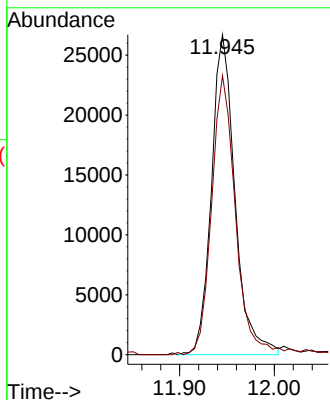
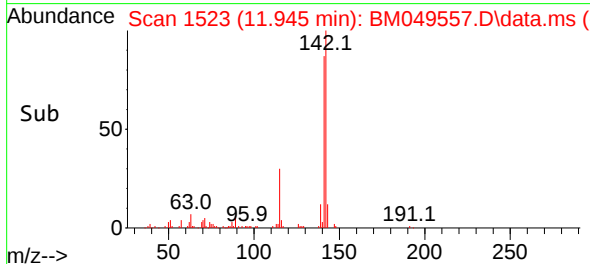


Tgt Ion:142 Resp: 46090
Ion Ratio Lower Upper
142 100
141 87.2 70.4 105.6

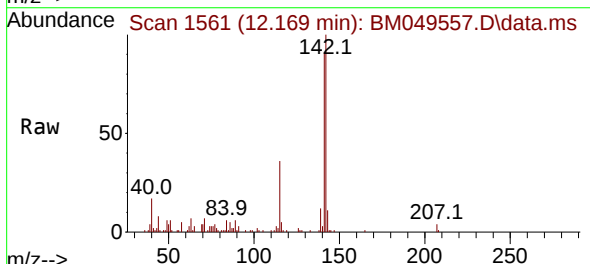
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Supervised By :mohammad ahmed 02/04/2025

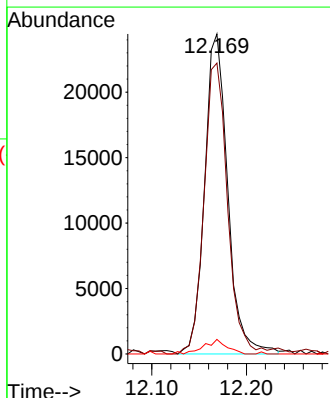
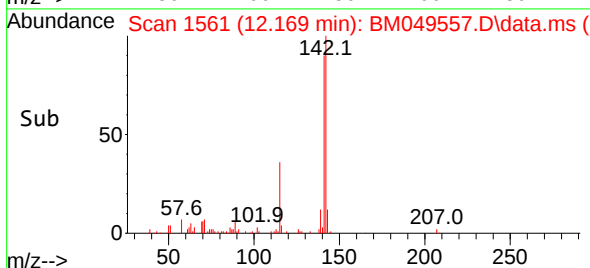
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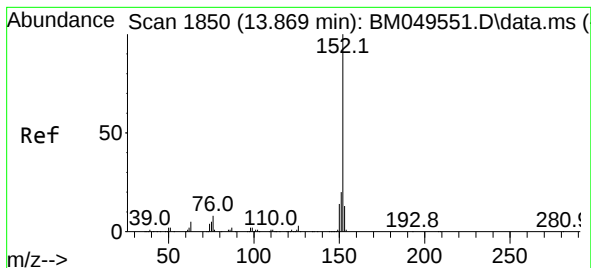


#37
1-Methylnaphthalene
Concen: 1.355 ng/ul
RT: 12.169 min Scan# 1561
Delta R.T. 0.006 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38



Tgt Ion:142 Resp: 41511
Ion Ratio Lower Upper
142 100
141 90.9 72.8 109.2
116 4.5 3.0 4.6





#50

Acenaphthylene

Concen: 2.700 ng/ul

RT: 13.874 min Scan# 1851

Delta R.T. 0.006 min

Lab File: BM049557.D

Acq: 31 Jan 2025 14:38

Instrument :

BNA_M

ClientSampleId :

A44S3

Tgt Ion:152 Resp: 138140

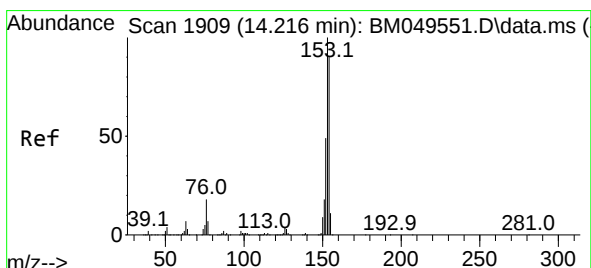
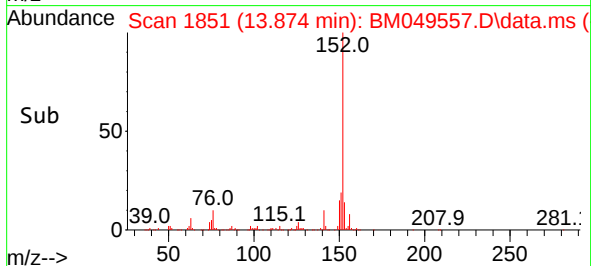
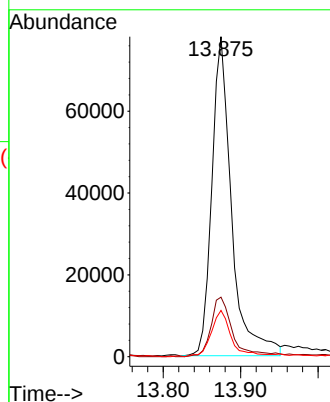
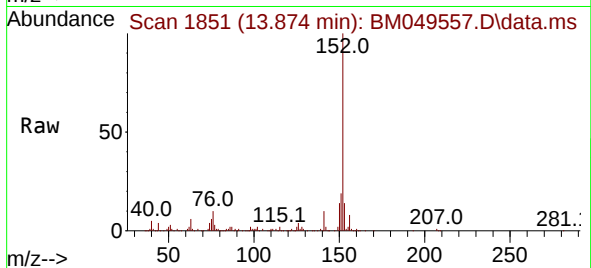
Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.0	24.0
153	14.5	10.4	15.6

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#52

Acenaphthene

Concen: 7.000 ng/ul

RT: 14.216 min Scan# 1909

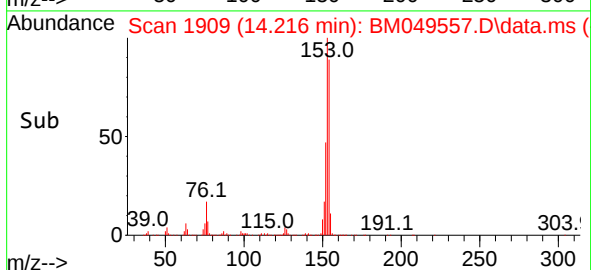
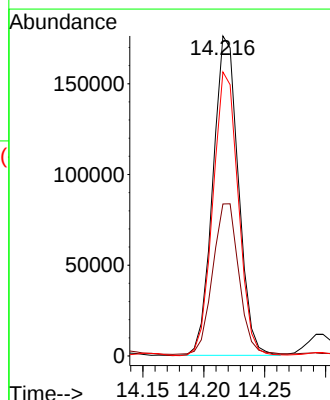
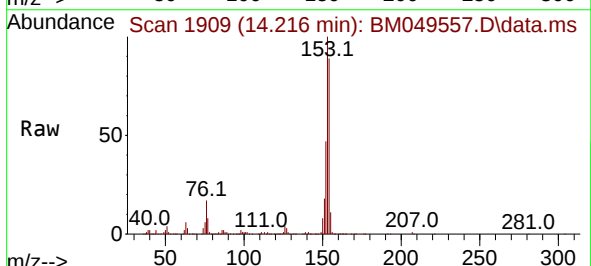
Delta R.T. -0.000 min

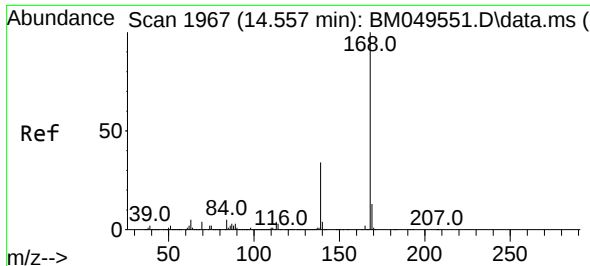
Lab File: BM049557.D

Acq: 31 Jan 2025 14:38

Tgt Ion:153 Resp: 255718

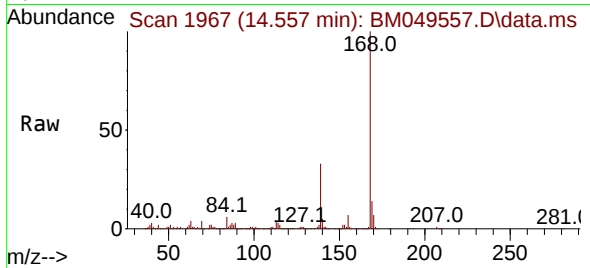
Ion	Ratio	Lower	Upper
153	100		
152	47.5	39.0	58.4
154	88.7	71.5	107.3





#56
Dibenzenofuran
Concen: 3.884 ng/ul
RT: 14.557 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38

Instrument :
BNA_M
ClientSampleId :
A44S3

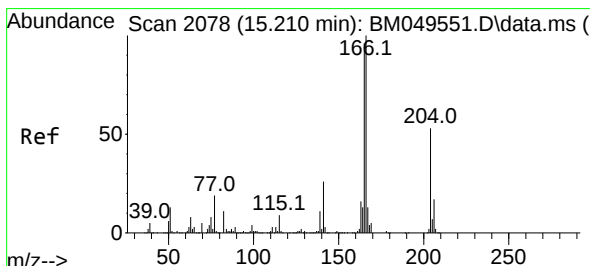
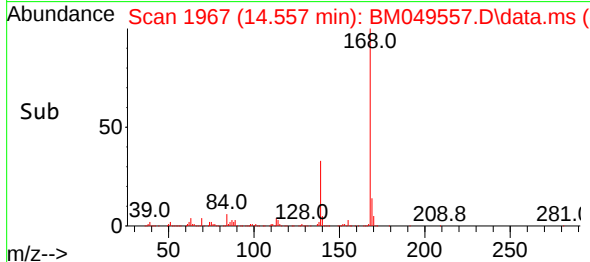
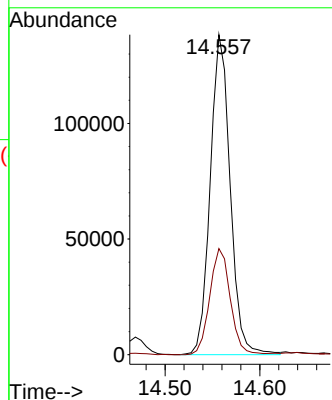


Tgt Ion:168 Resp: 202329
Ion Ratio Lower Upper
168 100
139 33.1 27.4 41.0

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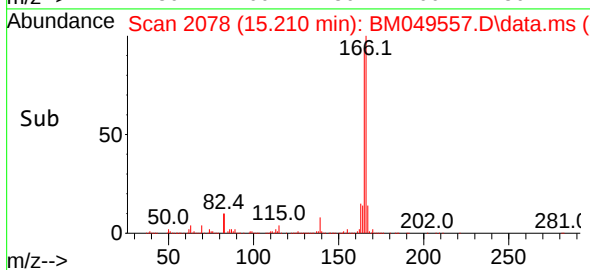
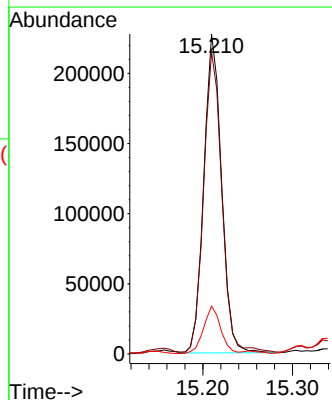
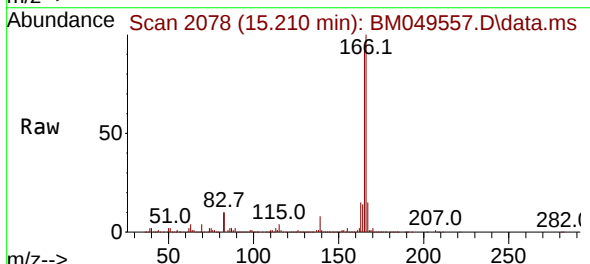
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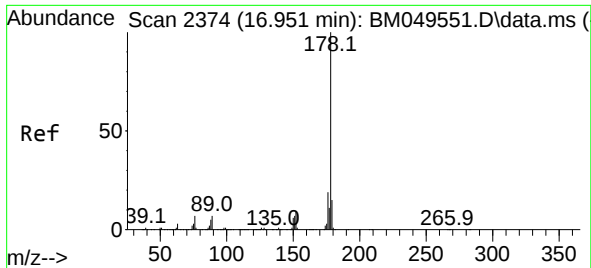
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#61
Fluorene
Concen: 7.399 ng/ul
RT: 15.210 min Scan# 2078
Delta R.T. -0.000 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38

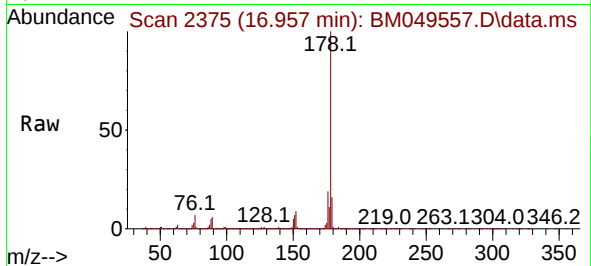
Tgt Ion:166 Resp: 311448
Ion Ratio Lower Upper
166 100
165 94.4 78.5 117.7
167 14.9 10.7 16.1





#72
Phenanthrene
Concen: 75.188 ng/ul
RT: 16.957 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38

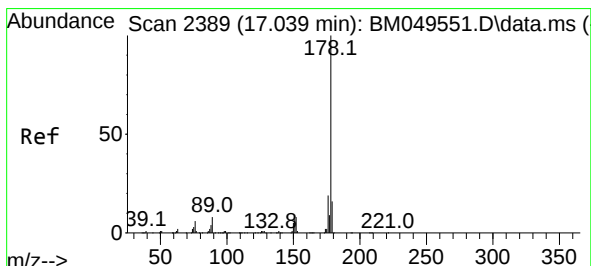
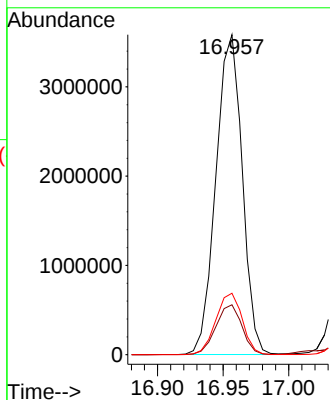
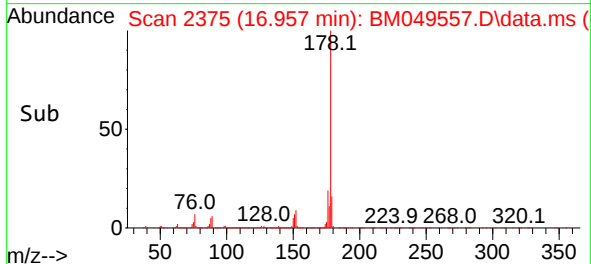
Instrument :
BNA_M
ClientSampleId :
A44S3



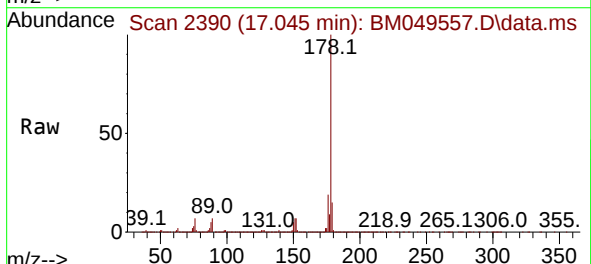
Tgt Ion:178 Resp: 4999778
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 19.2 15.6 23.4

Manual Integrations
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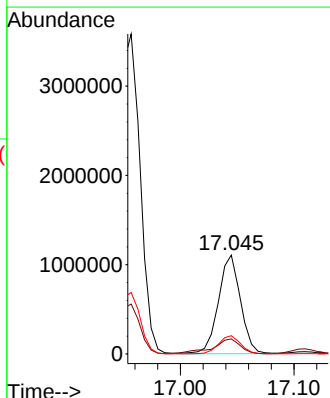
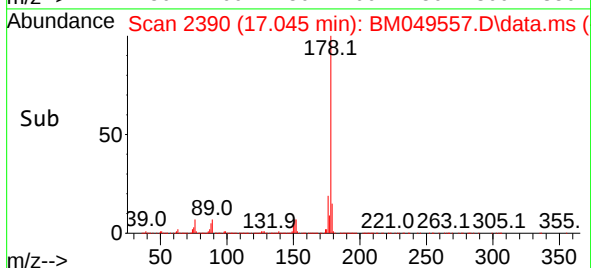
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

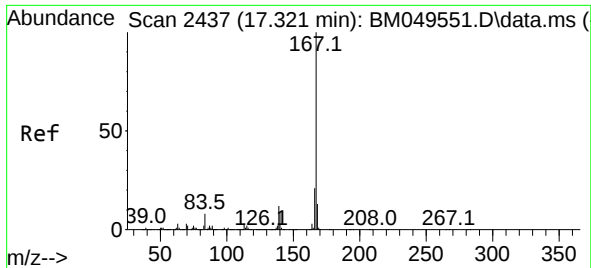


#74
Anthracene
Concen: 22.265 ng/ul
RT: 17.045 min Scan# 2390
Delta R.T. 0.006 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38



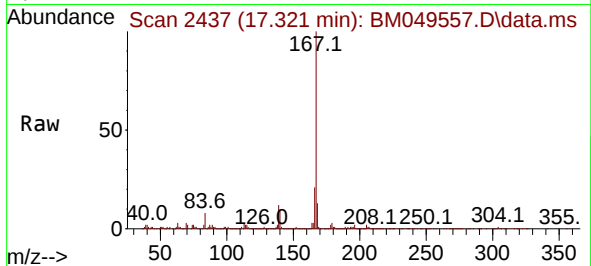
Tgt Ion:178 Resp: 1491292
Ion Ratio Lower Upper
178 100
179 15.2 12.2 18.4
176 18.5 15.0 22.4





#77
 Carbazole
 Concen: 7.115 ng/ul
 RT: 17.321 min Scan# 2437
 Delta R.T. 0.006 min
 Lab File: BM049557.D
 Acq: 31 Jan 2025 14:38

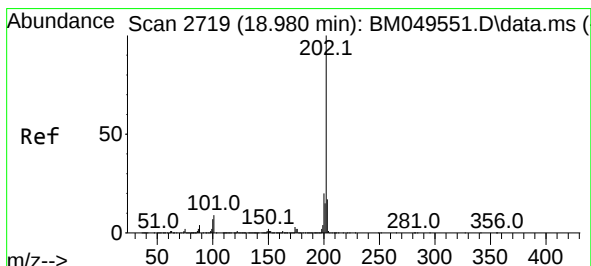
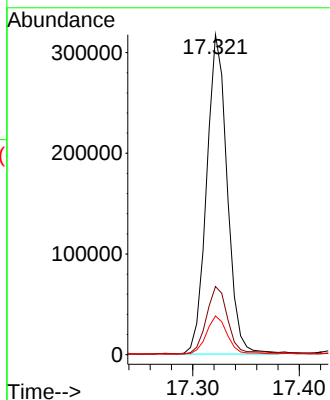
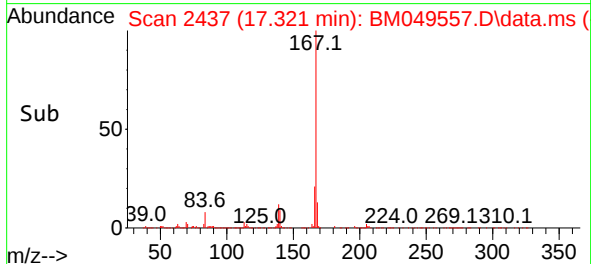
Instrument :
 BNA_M
 ClientSampleId :
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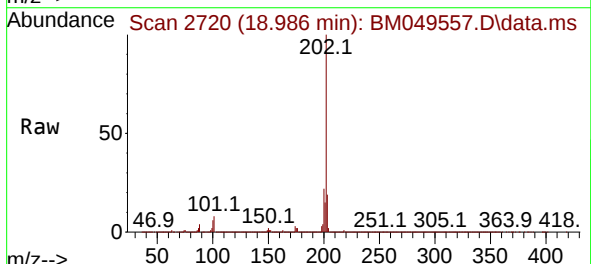
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 Ion Ratio Lower Upper
 167 100
 166 21.3 17.2 25.8
 139 12.1 9.3 13.9

Manual Integrations
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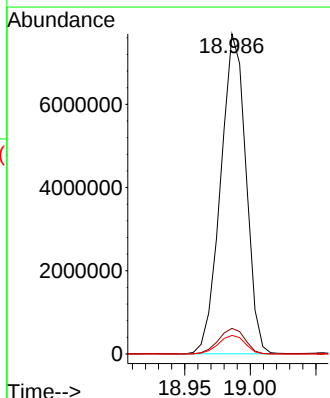
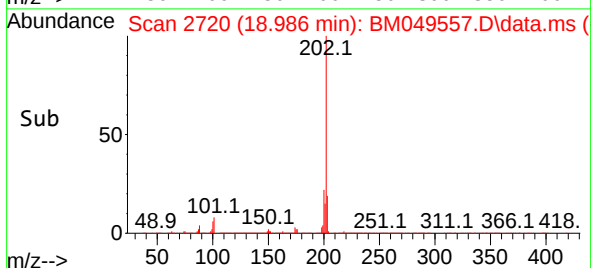
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

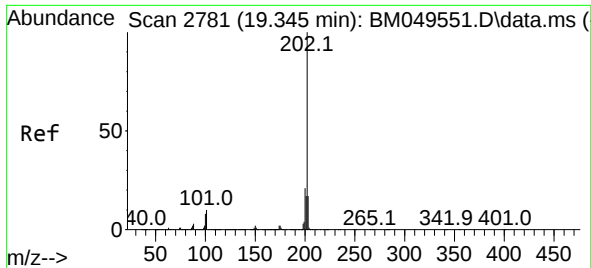


#80
 Fluoranthene
 Concen: 134.317 ng/ul
 RT: 18.986 min Scan# 2720
 Delta R.T. 0.012 min
 Lab File: BM049557.D
 Acq: 31 Jan 2025 14:38



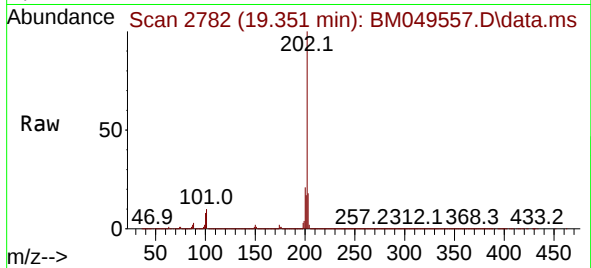
Tgt Ion:202 Resp:10328954
 Ion Ratio Lower Upper
 202 100
 101 8.0 6.9 10.3
 100 5.8 5.1 7.7





#82
Pyrene
Concen: 94.415 ng/ul
RT: 19.351 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38

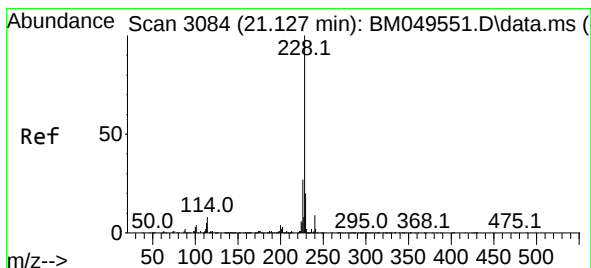
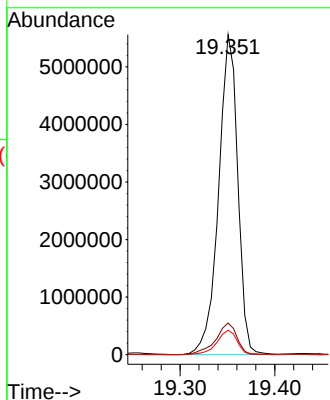
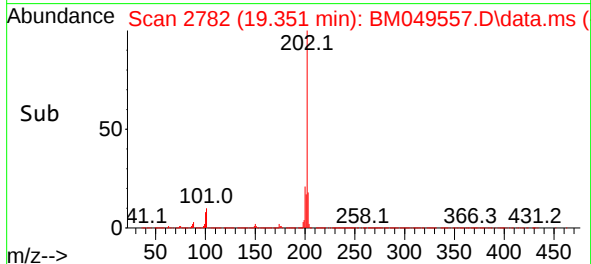
Instrument :
BNA_M
ClientSampleId :
A44S3



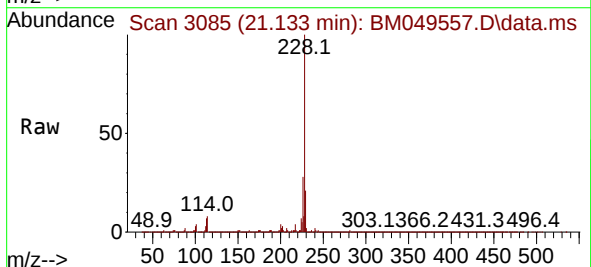
Tgt Ion:202 Resp: 7812100
Ion Ratio Lower Upper
202 100
101 9.9 8.3 12.5
100 7.7 6.6 9.8

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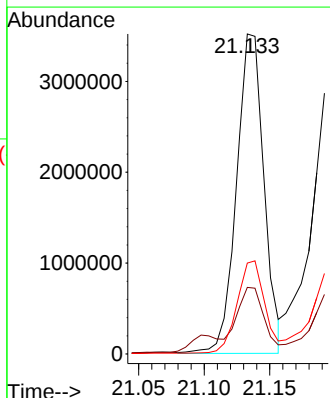
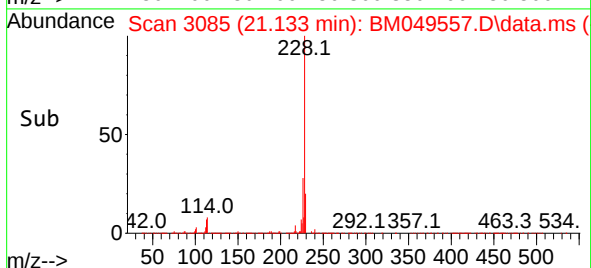
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

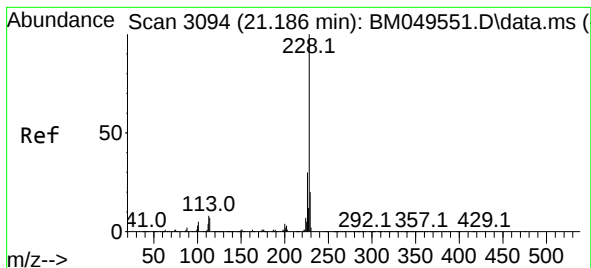


#85
Benzo(a)anthracene
Concen: 63.246 ng/ul
RT: 21.133 min Scan# 3085
Delta R.T. 0.018 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38



Tgt Ion:228 Resp: 5116859
Ion Ratio Lower Upper
228 100
229 20.8 15.7 23.5
226 28.4 22.1 33.1





#87

Chrysene

Concen: 58.363 ng/ul

RT: 21.192 min Scan# 3094

Delta R.T. 0.018 min

Lab File: BM049557.D

Acq: 31 Jan 2025 14:38

Instrument :

BNA_M

ClientSampleId :

A44S3

Tgt Ion:228 Resp: 4385074

Ion Ratio Lower Upper

228 100

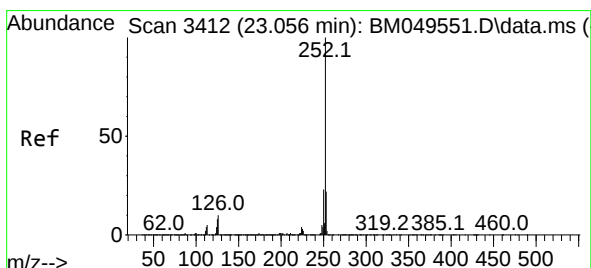
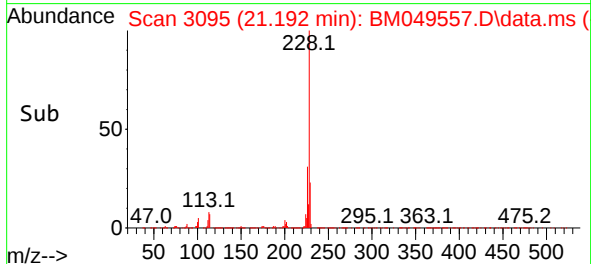
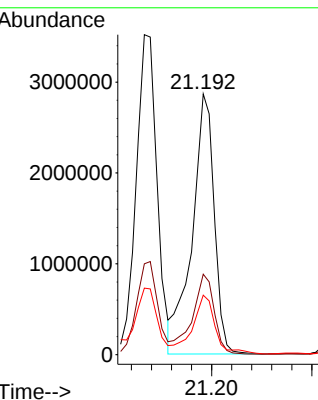
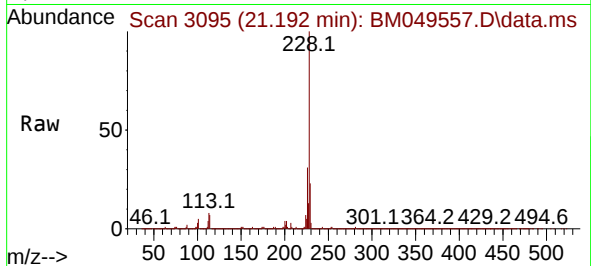
226 30.8 24.6 37.0

229 22.8 15.9 23.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(b)fluoranthene

Concen: 66.655 ng/ul

RT: 23.080 min Scan# 3416

Delta R.T. 0.035 min

Lab File: BM049557.D

Acq: 31 Jan 2025 14:38

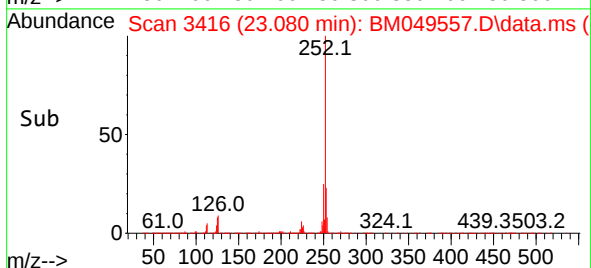
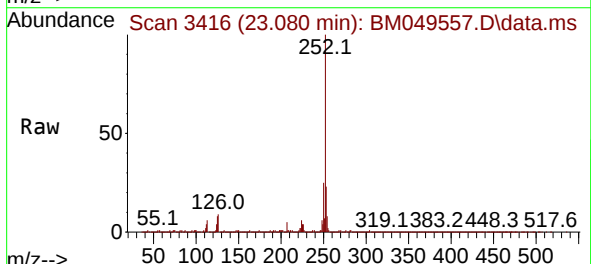
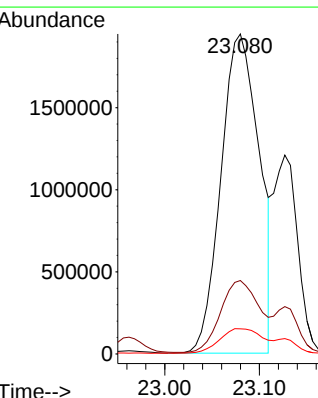
Tgt Ion:252 Resp: 5440370

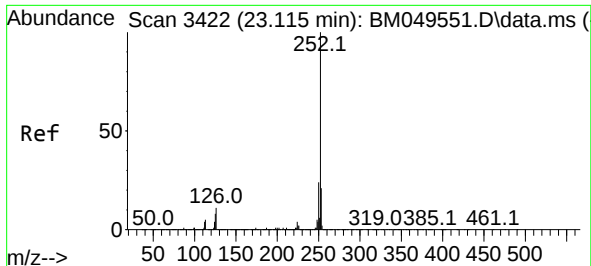
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

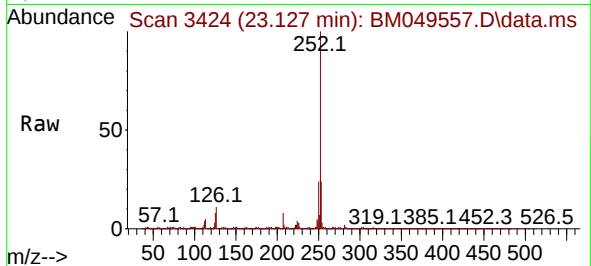
125 7.8 6.3 9.5





#91
Benzo(k)fluoranthene
Concen: 25.461 ng/ul m
RT: 23.127 min Scan# 3422
Delta R.T. 0.029 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38

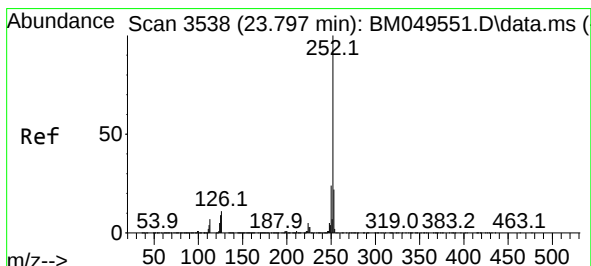
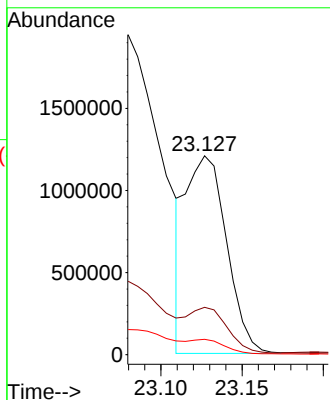
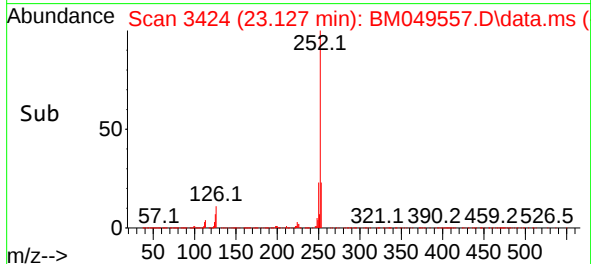
Instrument :
BNA_M
ClientSampleId :
A44S3



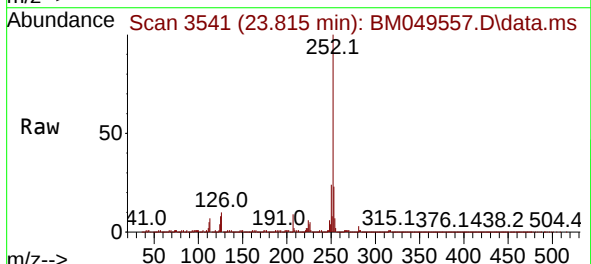
Tgt Ion:252 Resp: 2099930
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 7.7 6.5 9.7

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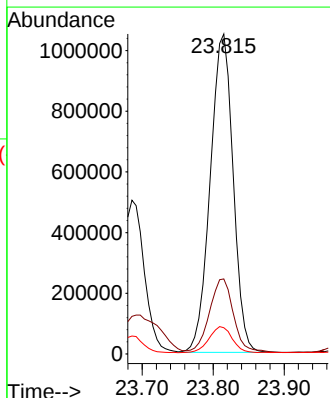
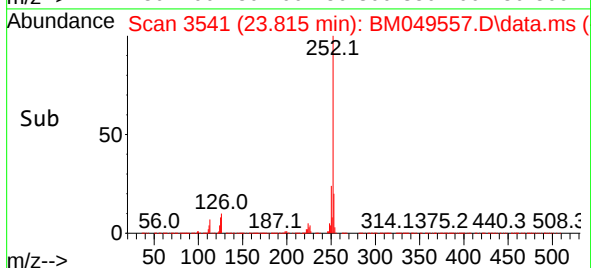
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

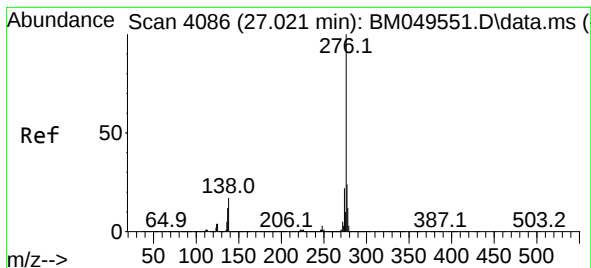


#93
Benzo(a)pyrene
Concen: 30.626 ng/ul
RT: 23.815 min Scan# 3541
Delta R.T. 0.035 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38



Tgt Ion:252 Resp: 2344914
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 8.2 7.0 10.6





#94

Indeno(1,2,3-cd)pyrene

Concen: 20.358 ng/ul

RT: 27.044 min Scan# 4090

Delta R.T. 0.053 min

Lab File: BM049557.D

Acq: 31 Jan 2025 14:38

Instrument :

BNA_M

ClientSampleId :

A44S3

Tgt Ion:276 Resp: 193203

Ion Ratio Lower Upper

276 100

138 17.2 13.8 20.6

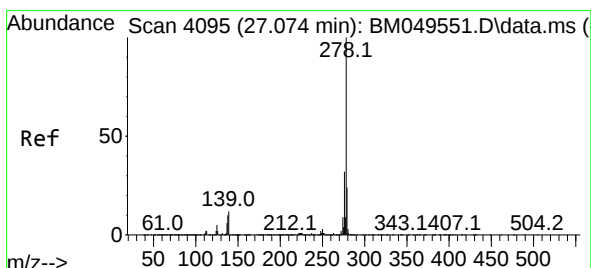
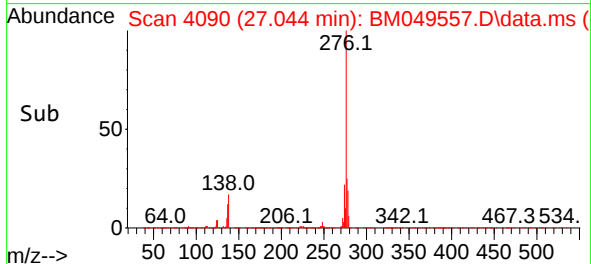
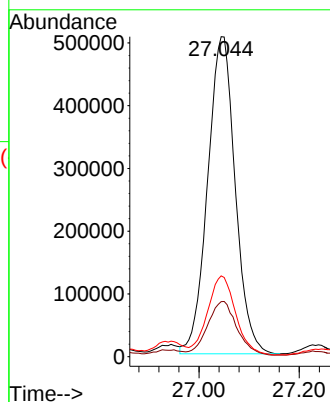
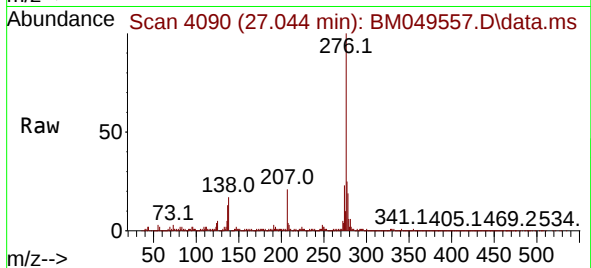
277 25.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#95

Dibenzo(a,h)anthracene

Concen: 9.109 ng/ul

RT: 27.080 min Scan# 4096

Delta R.T. 0.029 min

Lab File: BM049557.D

Acq: 31 Jan 2025 14:38

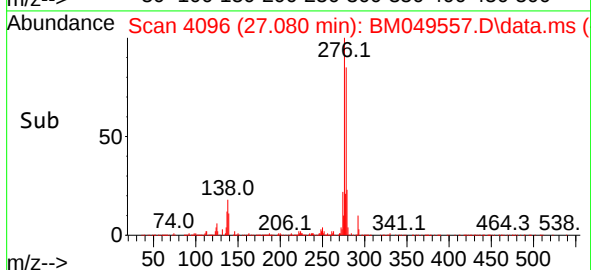
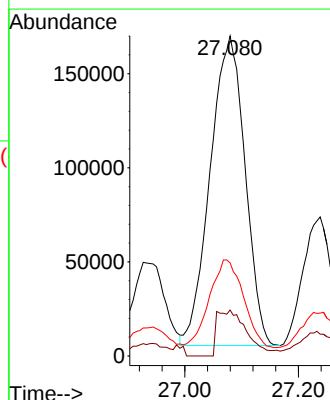
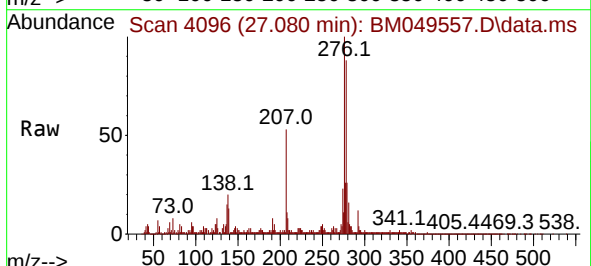
Tgt Ion:278 Resp: 700479

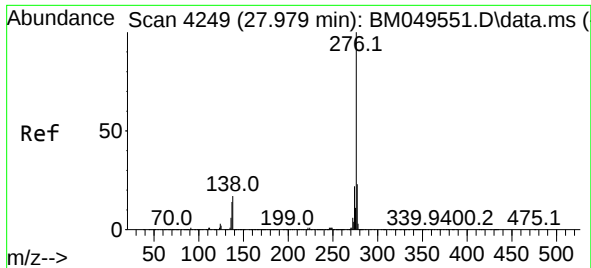
Ion Ratio Lower Upper

278 100

139 14.3 10.5 15.7

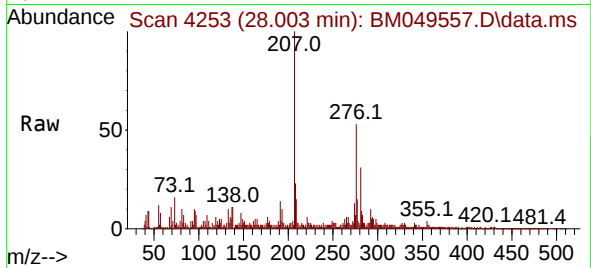
279 29.1 19.3 28.9#





#96
Benzo(g,h,i)perylene
Concen: 2.928 ng/ul
RT: 28.003 min Scan# 41
Delta R.T. 0.053 min
Lab File: BM049557.D
Acq: 31 Jan 2025 14:38

Instrument :
BNA_M
ClientSampleId :
A44S3



Tgt Ion:276 Resp: 211258
Ion Ratio Lower Upper
276 100
138 21.0 14.1 21.1
277 27.7 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

