

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049561.D
 Acq On : 31 Jan 2025 17:15
 Operator : RC/JU
 Sample : Q1190-02DL 30X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A44S3DL

Manual Integrations APPROVED

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

Quant Time: Feb 03 08:53:48 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	7.522	152	192194	20.000	ng/u1	0.01
20) Naphthalene-d8	10.286	136	750623	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.169	164	511024	20.000	ng/u1	0.02
64) Phenanthrene-d10	16.927	188	1040975	20.000	ng/u1	0.02
79) Chrysene-d12	21.168	240	1027247	20.000	ng/u1	0.04
88) Perylene-d12	23.968	264	1126458	20.000	ng/u1	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.140	96	280	0.054	ng/uL	0.02
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.751	99	5853m	0.375	ng/u1	0.04
9) Bis-(2-Chloroethyl)eth...	6.869	67	3569	0.335	ng/u1	0.00
11) 2-Chlorophenol-d4	7.075	132	5778m	0.479	ng/u1	0.02
15) 4-Methylphenol-d8	8.269	113	4433m	0.388	ng/u1	0.04
21) Nitrobenzene-d5	8.681	128	3253m	0.566	ng/u1	0.02
24) 2-Nitrophenol-d4	9.386	143	2312m	0.369	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	9.951	165	6899m	0.540	ng/u1	0.05
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	13.592	166	19529	0.521	ng/u1	0.02
49) Acenaphthylene-d8	13.857	160	19780	0.449	ng/u1	0.02
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.168	176	14677	0.445	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.021	188	27742	0.534	ng/u1	0.02
81) Pyrene-d10	19.333	212	23712	0.395	ng/u1	0.02
92) Benzo(a)pyrene-d12	23.780	264	14236	0.237	ng/u1	0.05
Target Compounds						
					Qvalue	
50) Acenaphthylene	13.886	152	49670	1.098	ng/u1#	96
52) Acenaphthene	14.233	153	87797	2.719	ng/u1	99
56) Dibenzofuran	14.574	168	68123	1.480	ng/u1	98
61) Fluorene	15.227	166	106569	2.864	ng/u1	99
72) Phenanthrene	16.968	178	1681668	28.699	ng/u1	100
74) Anthracene	17.057	178	510121	8.643	ng/u1	99
77) Carbazole	17.339	167	142844	2.708	ng/u1	97
80) Fluoranthene	18.998	202	3724861	54.307	ng/u1	100
82) Pyrene	19.362	202	2687920	36.422	ng/u1	100
85) Benzo(a)anthracene	21.150	228	1752882	24.292	ng/u1	97
87) Chrysene	21.209	228	1463446	21.838	ng/u1	97
90) Benzo(b)fluoranthene	23.097	252	1923031	26.337	ng/u1#	96
91) Benzo(k)fluoranthene	23.150	252	658099m	8.920	ng/u1	
93) Benzo(a)pyrene	23.839	252	795557	11.615	ng/u1#	91
94) Indeno(1,2,3-cd)pyrene	27.091	276	653730	7.700	ng/u1	95
95) Dibenzo(a,h)anthracene	27.121	278	240520	3.496	ng/u1#	76
96) Benzo(g,h,i)perylene	28.056	276	71511	1.108	ng/u1#	56

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

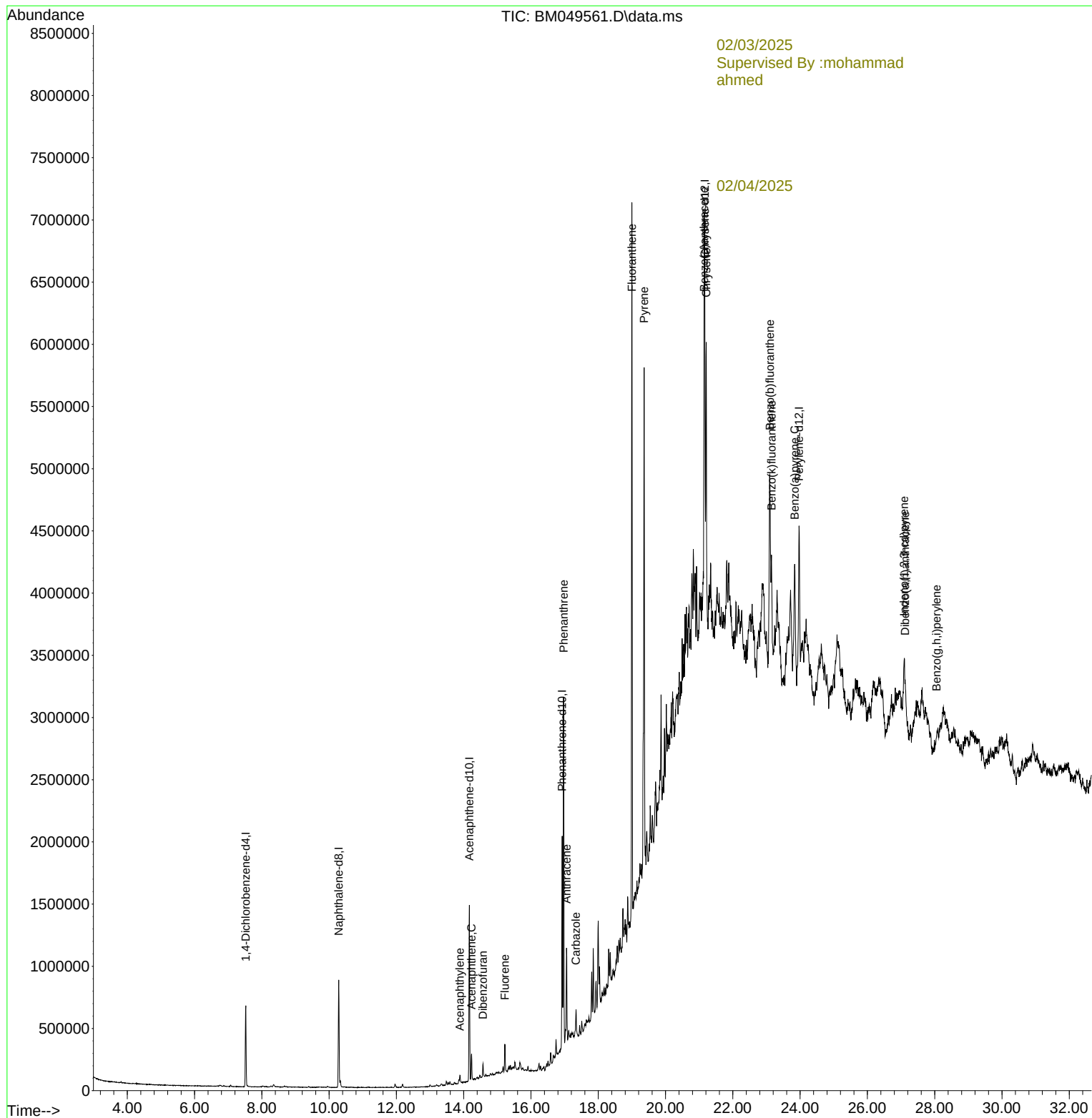
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

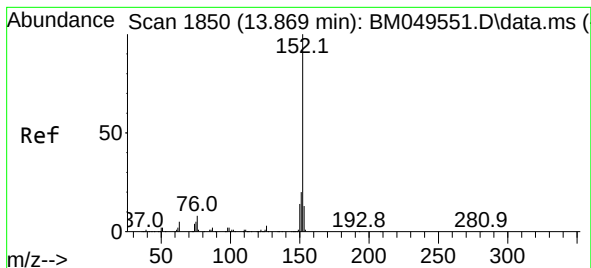
Instrument :
BNA_M
ClientSampleId :
A44S3DL

Quant Time: Feb 03 08:53:48 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

Manual Integrations
APPROVED

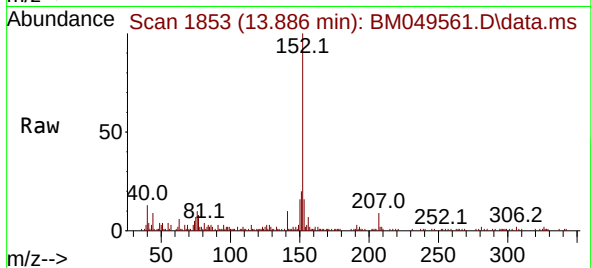
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025





#50
Acenaphthylene
Concen: 1.098 ng/ul
RT: 13.886 min Scan# 1853
Delta R.T. 0.018 min
Lab File: BM049561.D
Acq: 31 Jan 2025 17:15

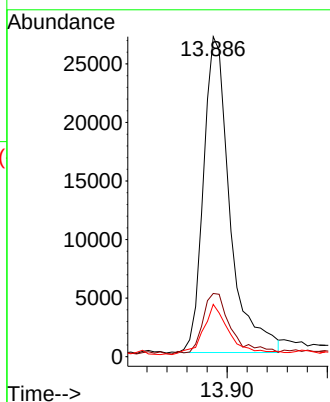
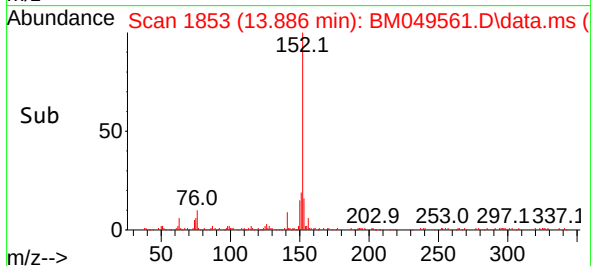
Instrument :
BNA_M
ClientSampleId :
A44S3DL



Tgt Ion:152 Resp: 49670
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 16.3 10.4 15.6

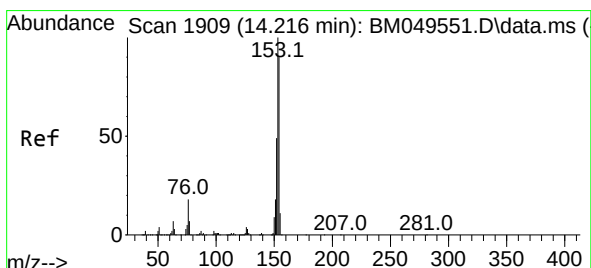
Manual Integrations
APPROVED

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

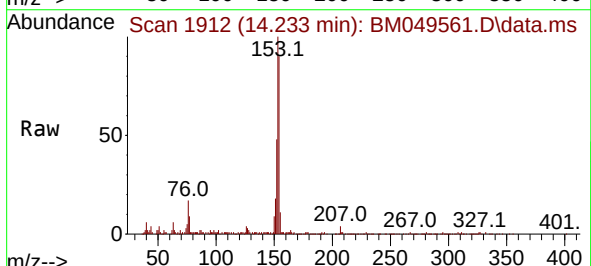


02/03/2025
Supervised By :mohammad
ahmed

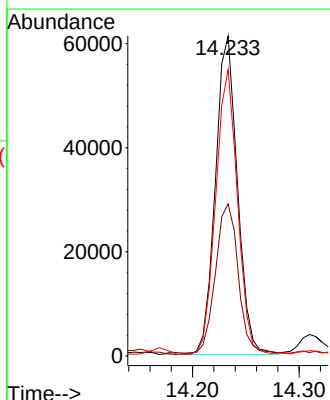
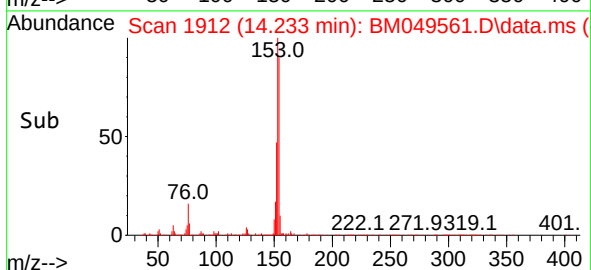
02/04/2025

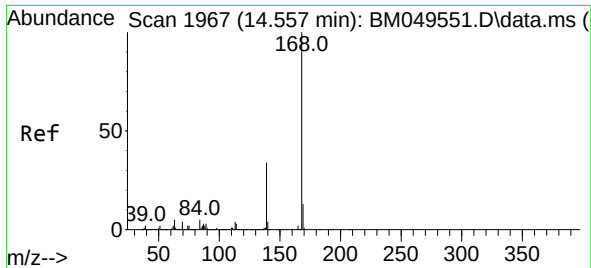


#52
Acenaphthene
Concen: 2.719 ng/ul
RT: 14.233 min Scan# 1912
Delta R.T. 0.018 min
Lab File: BM049561.D
Acq: 31 Jan 2025 17:15



Tgt Ion:153 Resp: 87797
Ion Ratio Lower Upper
153 100
152 47.6 39.0 58.4
154 89.5 71.5 107.3





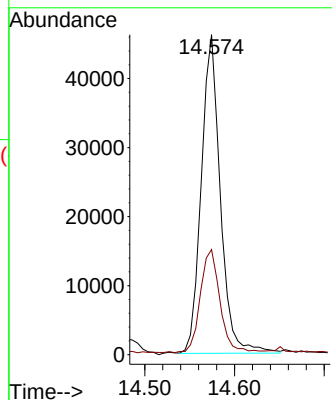
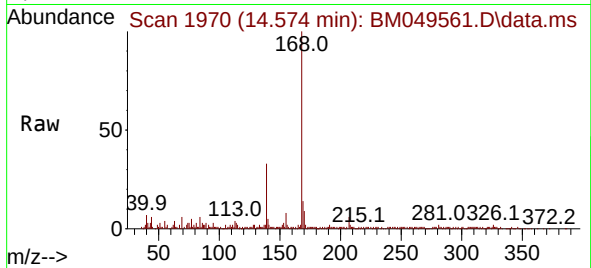
#56
Dibenzenofuran
Concen: 1.480 ng/ul
RT: 14.574 min Scan# 1967
Delta R.T. 0.018 min
Lab File: BM049561.D
Acq: 31 Jan 2025 17:15

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Tgt Ion:168 Resp: 6812
Ion Ratio Lower Upper
168 100
139 32.8 27.4 41.0

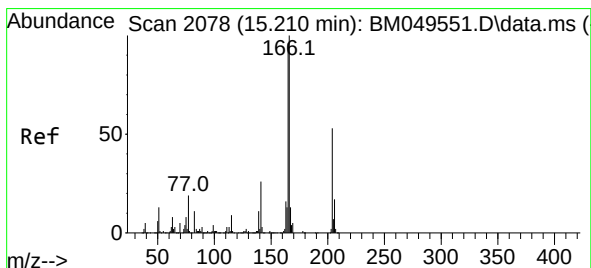
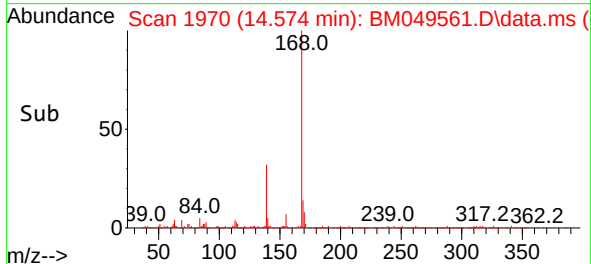
Manual Integrations
APPROVED

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



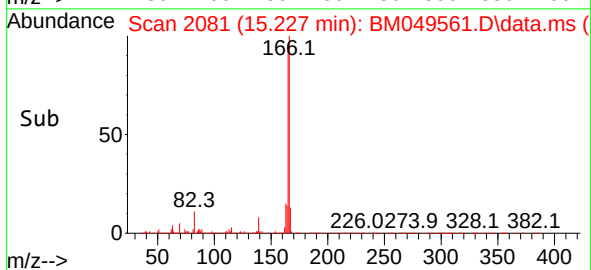
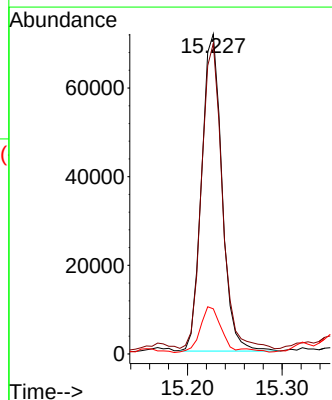
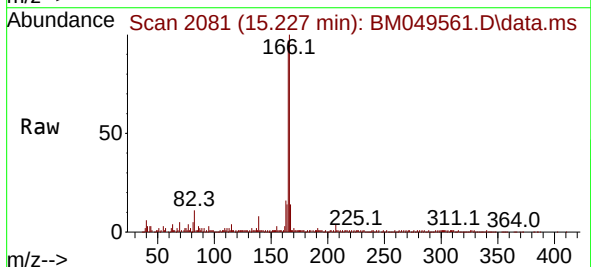
02/03/2025
Supervised By :mohammad
ahmed

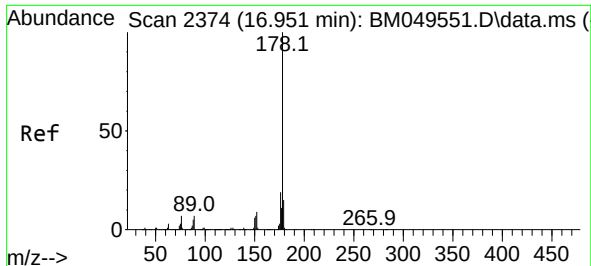
02/04/2025



#61
Fluorene
Concen: 2.864 ng/ul
RT: 15.227 min Scan# 2081
Delta R.T. 0.018 min
Lab File: BM049561.D
Acq: 31 Jan 2025 17:15

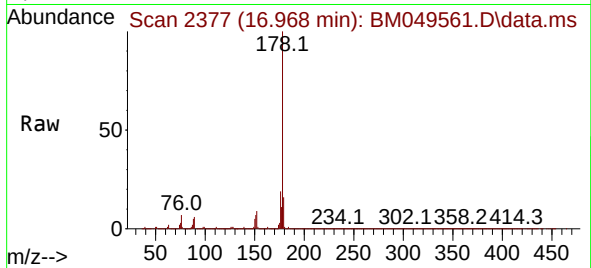
Tgt Ion:166 Resp: 106569
Ion Ratio Lower Upper
166 100
165 97.0 78.5 117.7
167 14.1 10.7 16.1





#72
Phenanthrene
Concen: 28.699 ng/u1
RT: 16.968 min Scan# 21
Delta R.T. 0.023 min
Lab File: BM049561.D
Acq: 31 Jan 2025 17:15

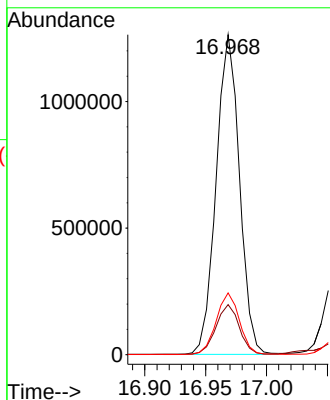
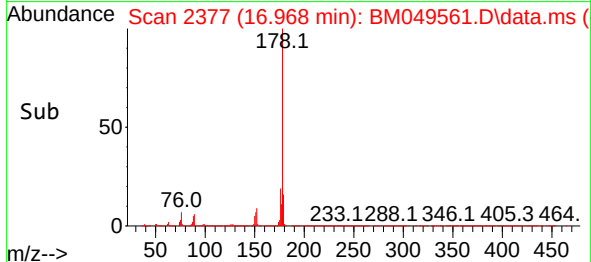
Instrument :
BNA_M
ClientSampleId :
A44S3DL



Tgt Ion:178 Resp: 168166
Ion Ratio Lower Upper
178 100
179 15.7 12.4 18.6
176 19.3 15.6 23.4

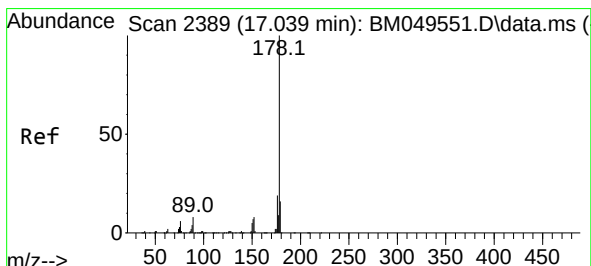
Manual Integrations
APPROVED

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



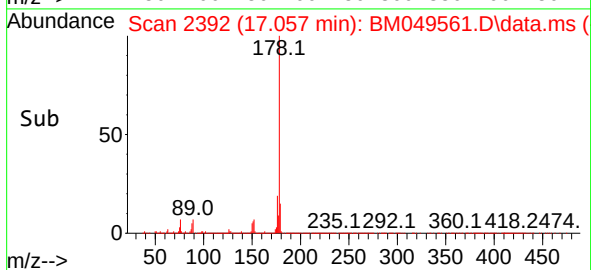
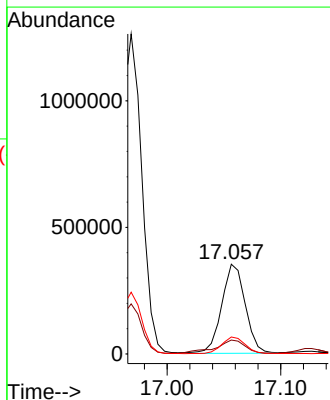
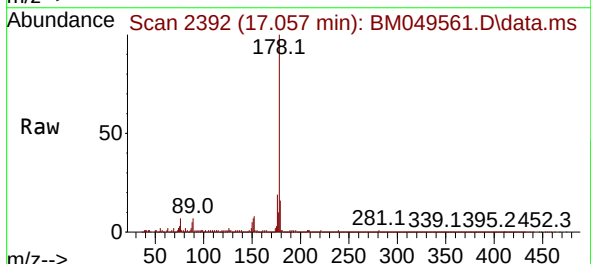
02/03/2025
Supervised By :mohammad
ahmed

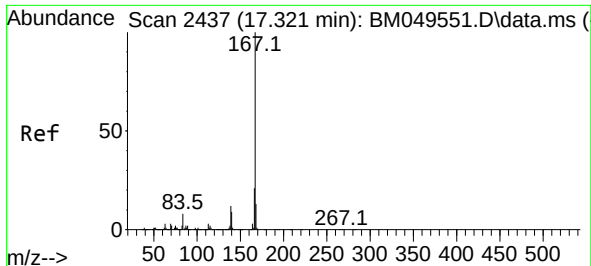
02/04/2025



#74
Anthracene
Concen: 8.643 ng/u1
RT: 17.057 min Scan# 2392
Delta R.T. 0.018 min
Lab File: BM049561.D
Acq: 31 Jan 2025 17:15

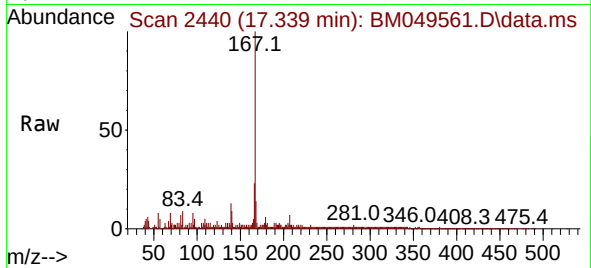
Tgt Ion:178 Resp: 510121
Ion Ratio Lower Upper
178 100
179 15.6 12.2 18.4
176 19.0 15.0 22.4





#77
Carbazole
Concen: 2.708 ng/ul
RT: 17.339 min Scan# 2437
Delta R.T. 0.023 min
Lab File: BM049561.D
Acq: 31 Jan 2025 17:15

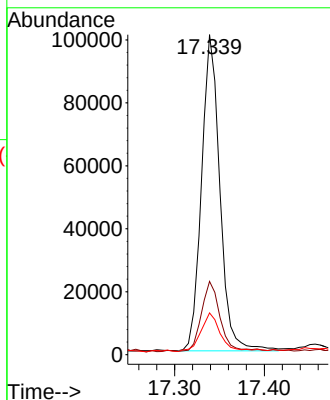
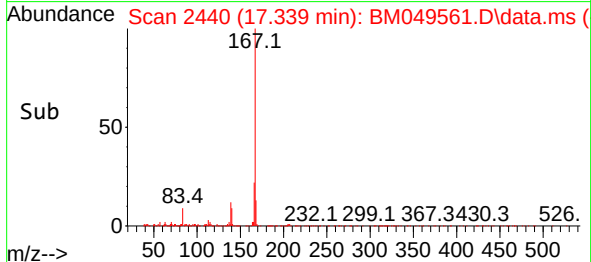
Instrument :
BNA_M
ClientSampleId :
A44S3DL



Tgt Ion:167 Resp: 142844
Ion Ratio Lower Upper
167 100
166 22.9 17.2 25.8
139 13.1 9.3 13.9

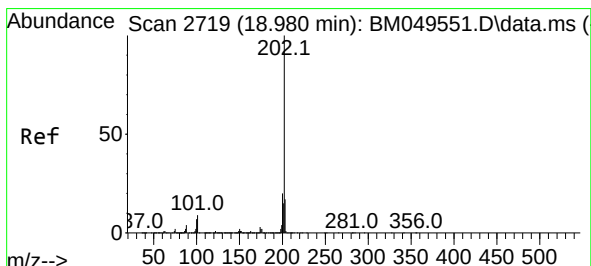
Manual Integrations
APPROVED

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

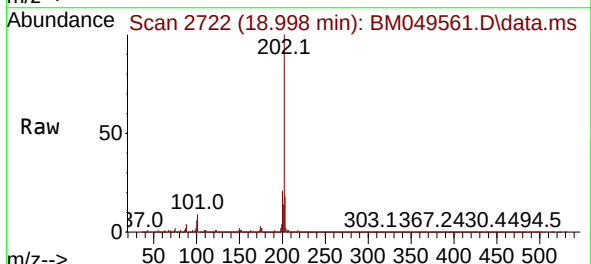


02/03/2025
Supervised By :mohammad
ahmed

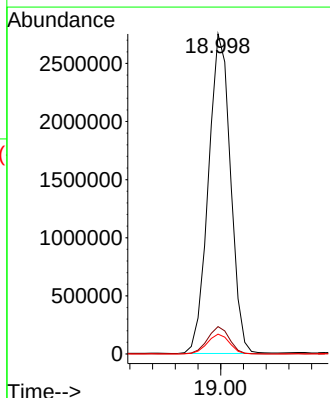
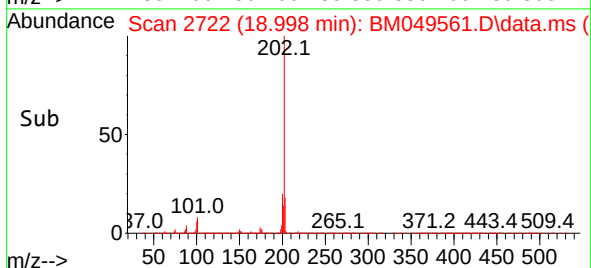
02/04/2025

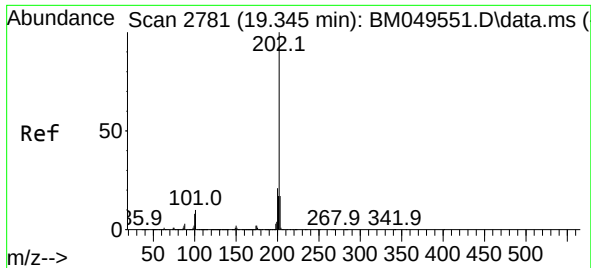


#80
Fluoranthene
Concen: 54.307 ng/ul
RT: 18.998 min Scan# 2722
Delta R.T. 0.023 min
Lab File: BM049561.D
Acq: 31 Jan 2025 17:15



Tgt Ion:202 Resp: 3724861
Ion Ratio Lower Upper
202 100
101 8.6 6.9 10.3
100 6.2 5.1 7.7





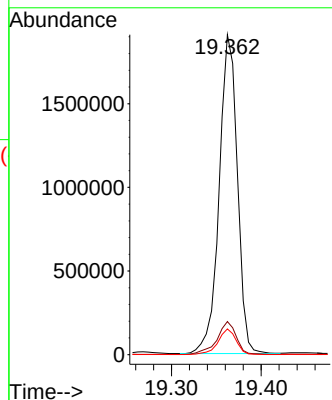
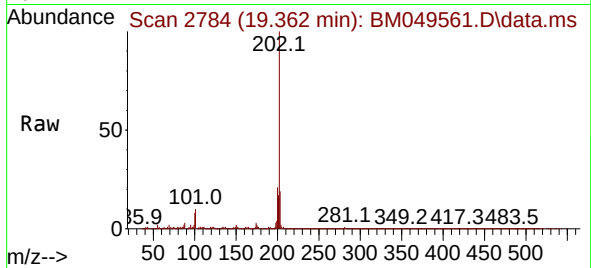
#82
Pyrene
Concen: 36.422 ng/ul
RT: 19.362 min Scan# 21
Delta R.T. 0.023 min
Lab File: BM049561.D
Acq: 31 Jan 2025 17:15

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Tgt Ion:202 Resp: 2687920
Ion Ratio Lower Upper
202 100
101 10.4 8.3 12.5
100 8.1 6.6 9.8

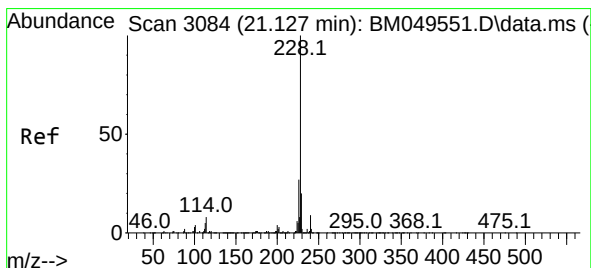
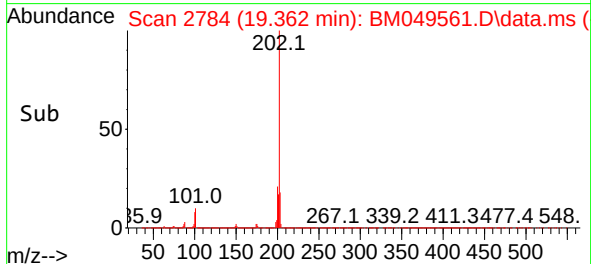
Manual Integrations
APPROVED

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



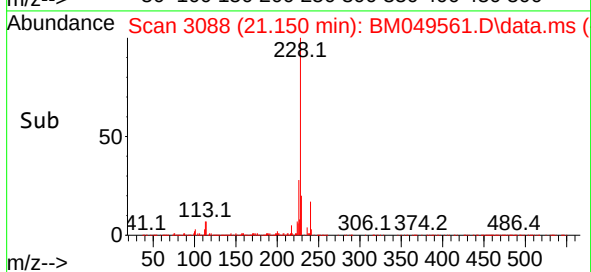
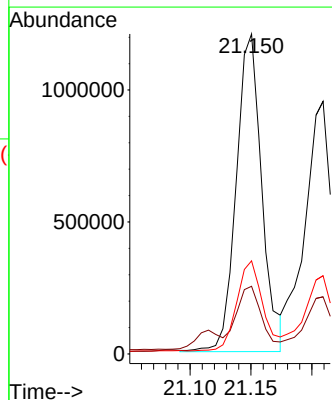
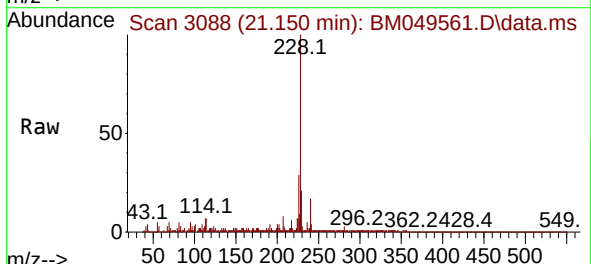
02/03/2025
Supervised By :mohammad
ahmed

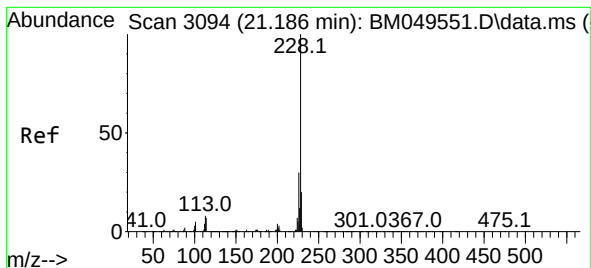
02/04/2025



#85
Benzo(a)anthracene
Concen: 24.292 ng/ul
RT: 21.150 min Scan# 3088
Delta R.T. 0.035 min
Lab File: BM049561.D
Acq: 31 Jan 2025 17:15

Tgt Ion:228 Resp: 1752882
Ion Ratio Lower Upper
228 100
229 21.2 15.7 23.5
226 29.1 22.1 33.1





#87

Chrysene

Concen: 21.838 ng/ul

RT: 21.209 min Scan# 3094

Delta R.T. 0.035 min

Lab File: BM049561.D

Acq: 31 Jan 2025 17:15

Instrument :

BNA_M

ClientSampleId :

A44S3DL

Tgt Ion:228 Resp: 146344

Ion Ratio Lower Upper

228 100

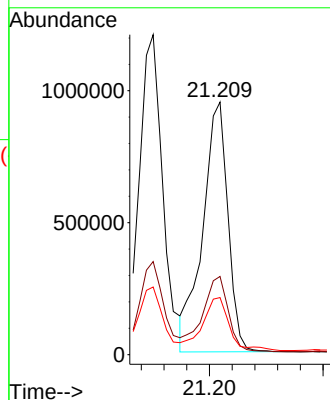
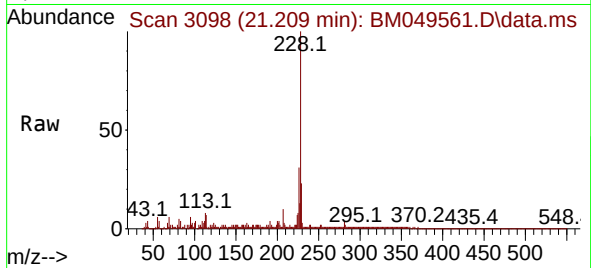
226 31.0 24.6 37.0

229 22.6 15.9 23.9

Manual Integrations

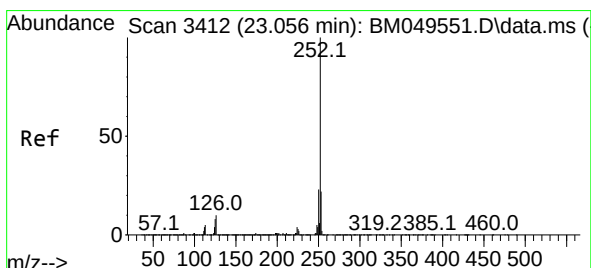
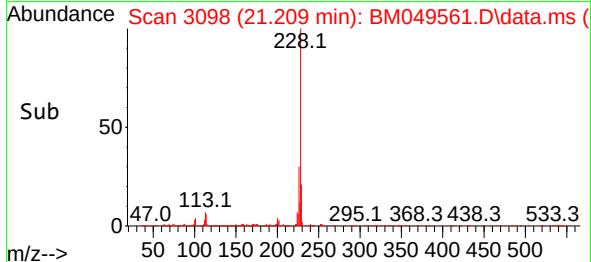
APPROVED

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



02/03/2025
Supervised By :mohammad
ahmed

02/04/2025



#90

Benzo(b)fluoranthene

Concen: 26.337 ng/ul

RT: 23.097 min Scan# 3419

Delta R.T. 0.053 min

Lab File: BM049561.D

Acq: 31 Jan 2025 17:15

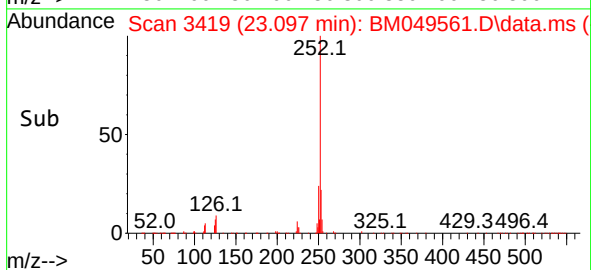
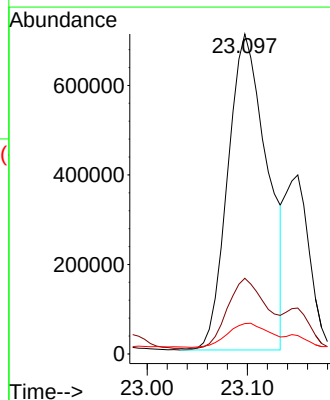
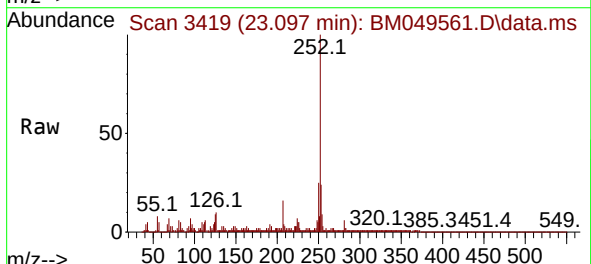
Tgt Ion:252 Resp: 1923031

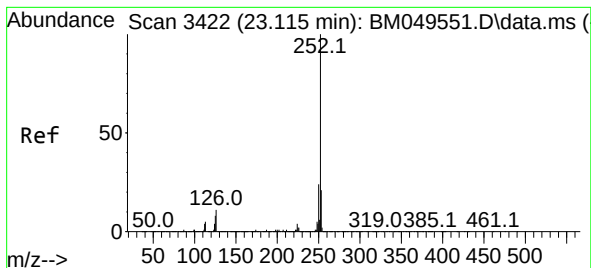
Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 9.5 6.3 9.5#





#91

Benzo(k)fluoranthene

Concen: 8.920 ng/ul m

RT: 23.150 min Scan# 34

Delta R.T. 0.053 min

Lab File: BM049561.D

Acq: 31 Jan 2025 17:15

Instrument :

BNM

ClientSampleId :

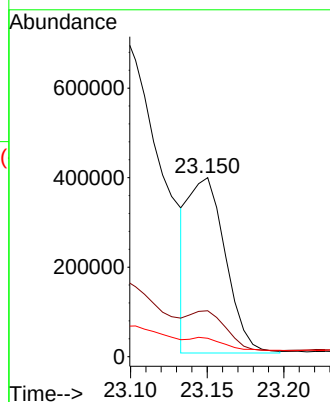
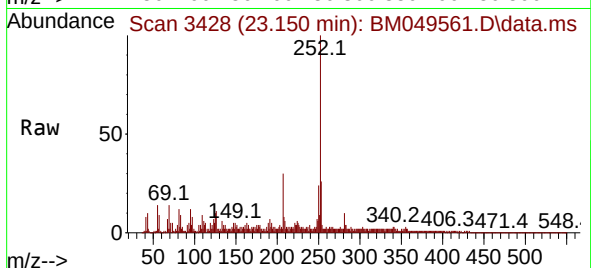
A44S3DL

Tgt Ion:	252	Resp:	658099
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.5	26.3
125	10.3	6.5	9.7

Manual Integrations

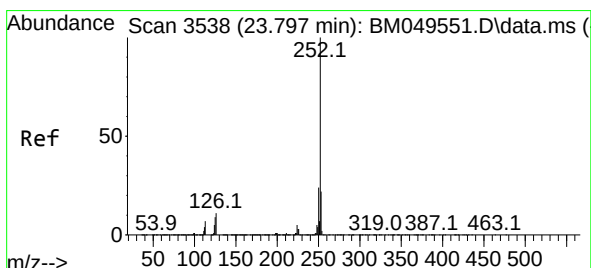
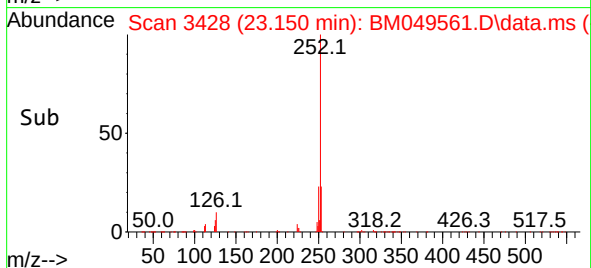
APPROVED

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



02/03/2025
Supervised By :mohammad
ahmed

02/04/2025



#93

Benzo(a)pyrene

Concen: 11.615 ng/ul

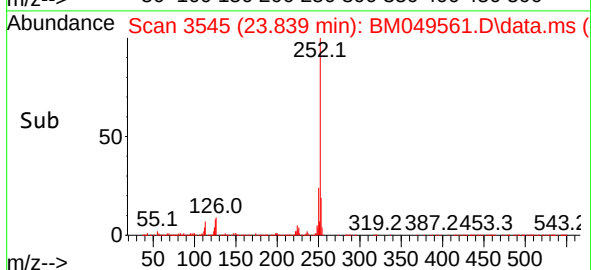
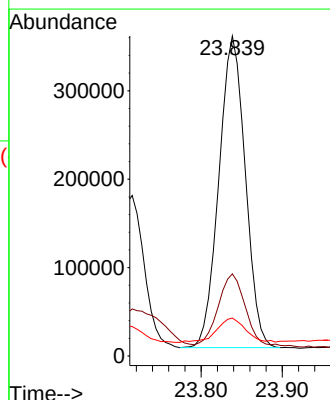
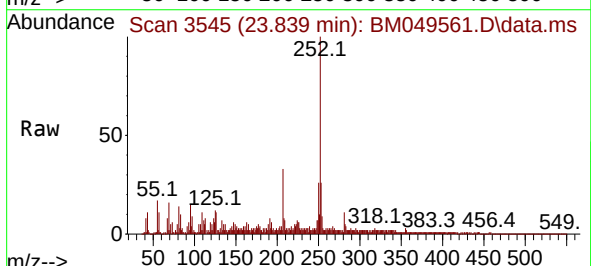
RT: 23.839 min Scan# 3545

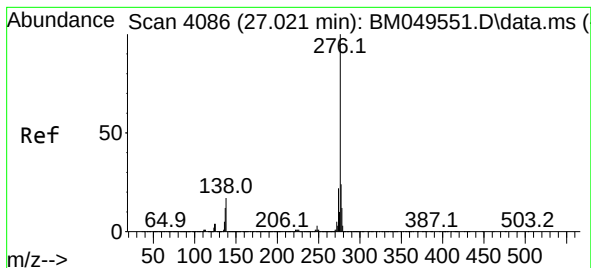
Delta R.T. 0.059 min

Lab File: BM049561.D

Acq: 31 Jan 2025 17:15

Tgt Ion:	252	Resp:	795557
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.3	25.9
125	11.8	7.0	10.6





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.700 ng/ul

RT: 27.091 min Scan# 4103

Delta R.T. 0.100 min

Lab File: BM049561.D

Acq: 31 Jan 2025 17:15

Instrument :

BNA_M

ClientSampleId :

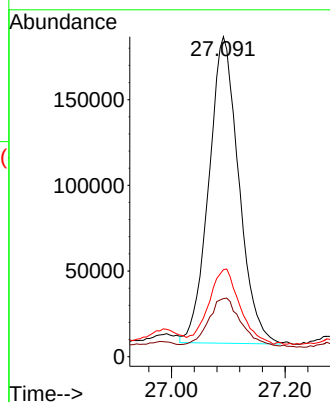
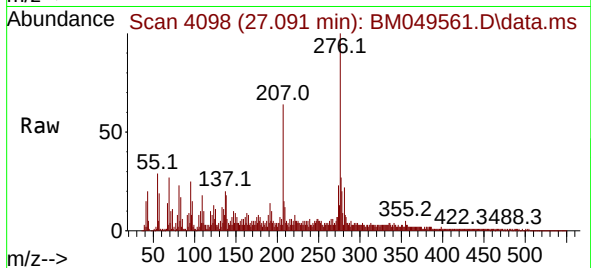
A44S3DL

Tgt Ion:	276	Resp:	653730
Ion Ratio	Lower	Upper	
276	100		
138	18.2	13.8	20.6
277	27.2	19.0	28.6

Manual Integrations

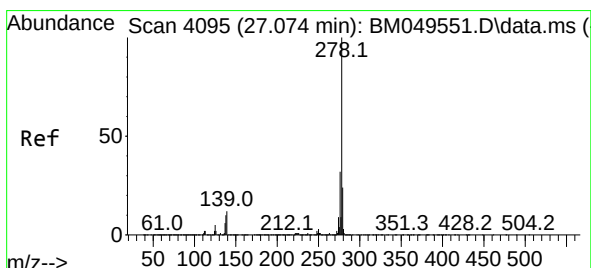
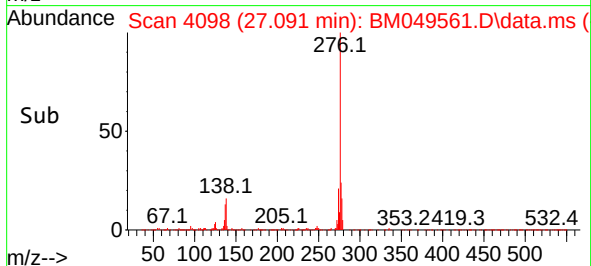
APPROVED

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



02/03/2025
Supervised By :mohammad
ahmed

02/04/2025



#95

Dibenzo(a,h)anthracene

Concen: 3.496 ng/ul

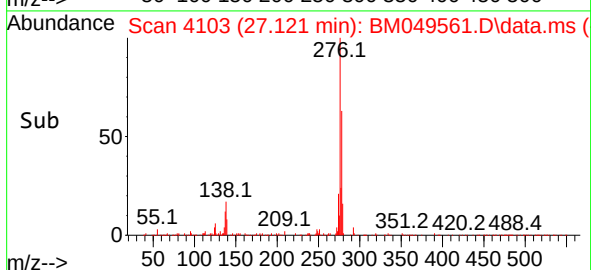
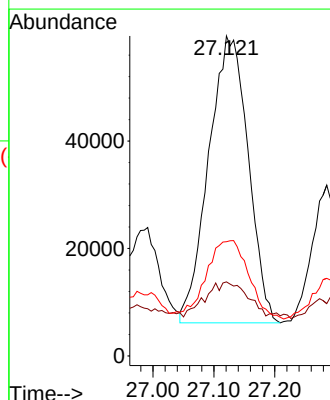
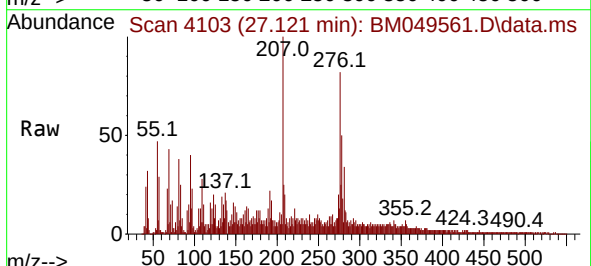
RT: 27.121 min Scan# 4103

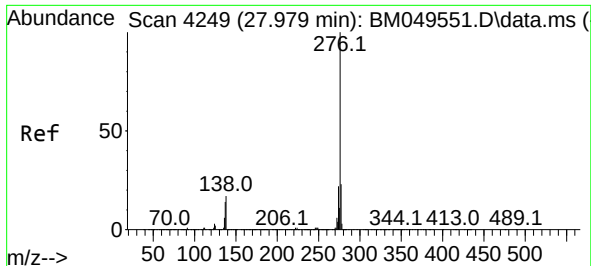
Delta R.T. 0.070 min

Lab File: BM049561.D

Acq: 31 Jan 2025 17:15

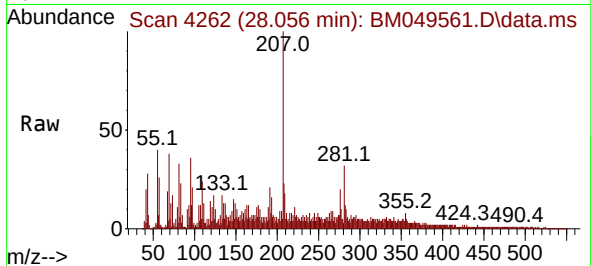
Tgt Ion:	278	Resp:	240520
Ion Ratio	Lower	Upper	
278	100		
139	23.1	10.5	15.7#
279	35.7	19.3	28.9#





#96
Benzo(g,h,i)perylene
Concen: 1.108 ng/ul
RT: 28.056 min Scan# 41
Delta R.T. 0.106 min
Lab File: BM049561.D
Acq: 31 Jan 2025 17:15

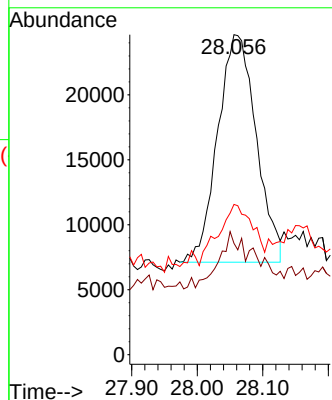
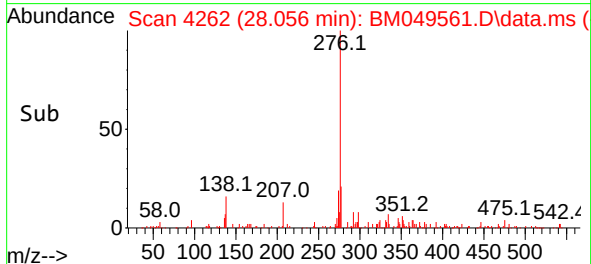
Instrument :
BNA_M
ClientSampleId :
A44S3DL



Tgt Ion: 276 Resp: 7151
Ion Ratio Lower Upper
276 100
138 34.8 14.1 21.1
277 47.0 19.1 28.7

Manual Integrations
APPROVED

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



02/03/2025
Supervised By :mohammad
ahmed

02/04/2025