

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049560.D
 Acq On : 31 Jan 2025 16:36
 Operator : RC/JU
 Sample : Q1190-08
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A44S7

Manual Integrations
 APPROVED

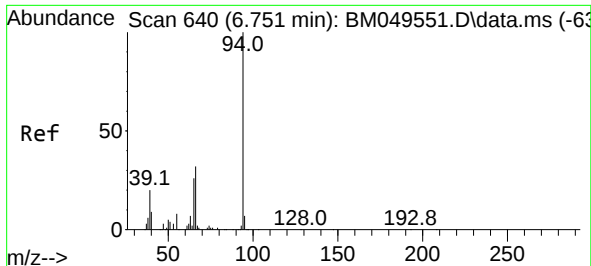
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 03 08:47:11 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)

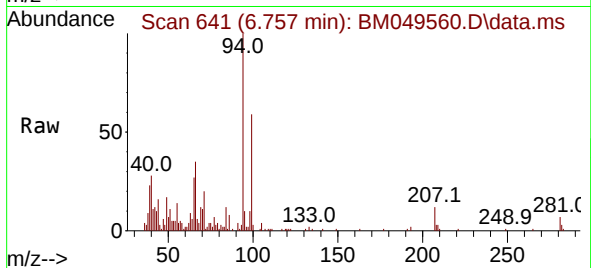
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	311749	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	1150780	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.157	164	684973	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1273490	20.000	ng/u1	0.00
79) Chrysene-d12	21.162	240	1041349	20.000	ng/u1	0.03
88) Perylene-d12	24.003	264	1122952m	20.000	ng/u1	0.09
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.110	96	17791	2.114	ng/uL	-0.01
4) Pyridine-d5	3.516	84	27113	1.097	ng/u1	0.00
7) Phenol-d5	6.728	99	392631	15.520	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.863	67	239034	13.818	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	328860	16.799	ng/u1	0.00
15) 4-Methylphenol-d8	8.239	113	291117	15.707	ng/u1	0.01
21) Nitrobenzene-d5	8.657	128	149980	17.036	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	167709	17.464	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.922	165	308492	15.742	ng/u1	0.02
31) 4-Chloroaniline-d4	10.445	131	7465m	0.297	ng/u1	0.02
46) Dimethylphthalate-d6	13.574	166	850449	16.933	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	933712	15.823	ng/u1	0.00
54) 4-Nitrophenol-d4	14.433	143	81776	9.926	ng/u1	0.05
60) Fluorene-d10	15.157	176	669895	15.168	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.298	200	25452	3.172	ng/u1	0.02
73) Anthracene-d10	17.009	188	977049	15.364	ng/u1	0.00
81) Pyrene-d10	19.321	212	857345	14.083	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.803	264	587977m	9.817	ng/u1	0.08
Target Compounds						
					Qvalue	
8) Phenol	6.757	94	45333	1.707	ng/u1	98
16) Acetophenone	8.328	105	88595	2.874	ng/u1	98
50) Acenaphthylene	13.874	152	62867	1.037	ng/u1	94
72) Phenanthrene	16.957	178	101271	1.413	ng/u1#	85
74) Anthracene	17.045	178	88000	1.219	ng/u1#	83
80) Fluoranthene	18.986	202	435191	6.259	ng/u1	99
82) Pyrene	19.351	202	471894	6.308	ng/u1	99
85) Benzo(a)anthracene	21.145	228	300393	4.106	ng/u1#	54
87) Chrysene	21.203	228	403432m	5.939	ng/u1	
90) Benzo(b)fluoranthene	23.109	252	467488m	6.423	ng/u1	
91) Benzo(k)fluoranthene	23.156	252	168203m	2.287	ng/u1	
93) Benzo(a)pyrene	23.862	252	353075m	5.171	ng/u1	
94) Indeno(1,2,3-cd)pyrene	27.174	276	332940m	3.934	ng/u1	
95) Dibenzo(a,h)anthracene	27.203	278	129153m	1.883	ng/u1	
96) Benzo(g,h,i)perylene	28.173	276	105433m	1.638	ng/u1	

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



#8
Phenol
Concen: 1.707 ng/ul
RT: 6.757 min Scan# 641
Delta R.T. 0.023 min
Lab File: BM049560.D
Acq: 31 Jan 2025 16:36

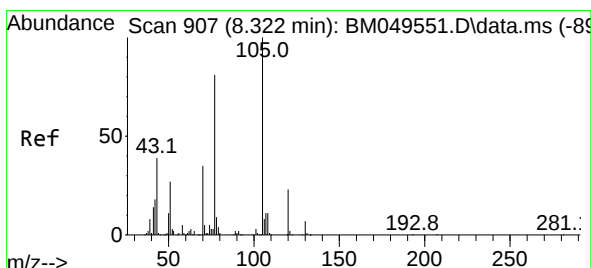
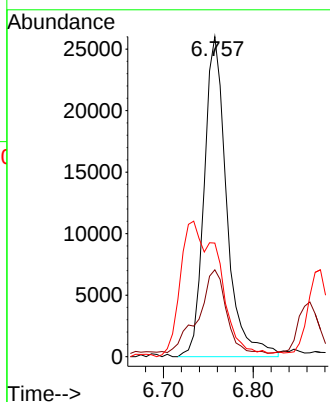
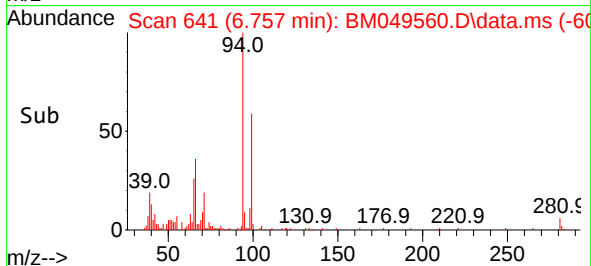
Instrument :
BNA_M
ClientSampleId :
A44S7



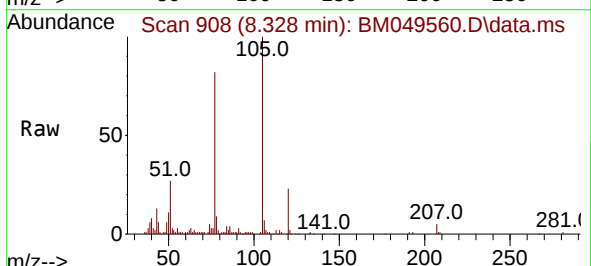
Tgt Ion: 94 Resp: 4533
Ion Ratio Lower Upper
94 100
65 27.2 23.4 35.0
66 35.5 27.8 41.8

Manual Integrations
APPROVED

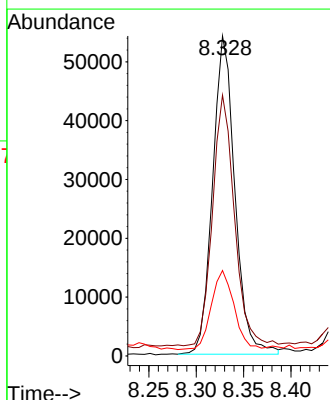
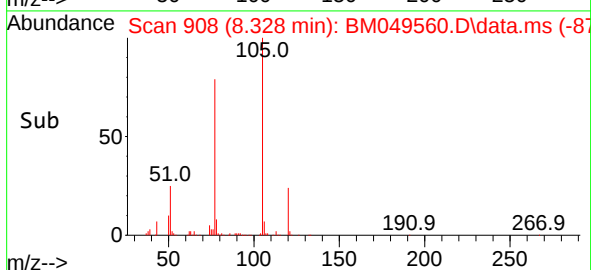
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

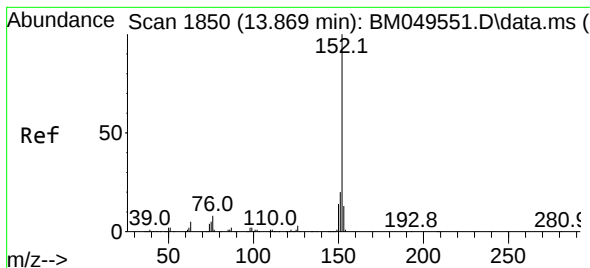


#16
Acetophenone
Concen: 2.874 ng/ul
RT: 8.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: BM049560.D
Acq: 31 Jan 2025 16:36



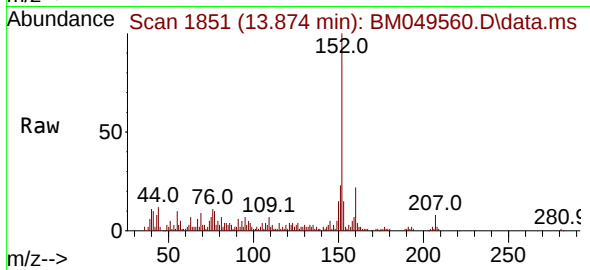
Tgt Ion:105 Resp: 88595
Ion Ratio Lower Upper
105 100
77 81.5 64.6 97.0
51 26.7 23.3 34.9





#50
Acenaphthylene
Concen: 1.037 ng/ul
RT: 13.874 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BM049560.D
Acq: 31 Jan 2025 16:36

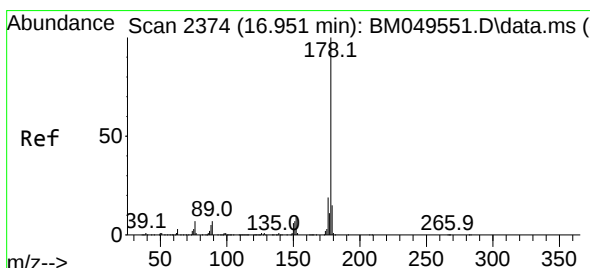
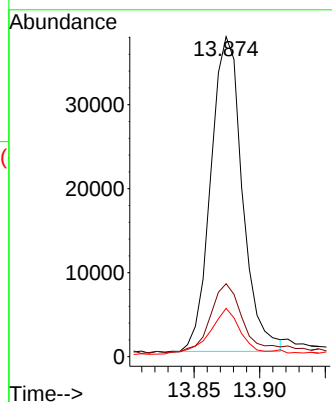
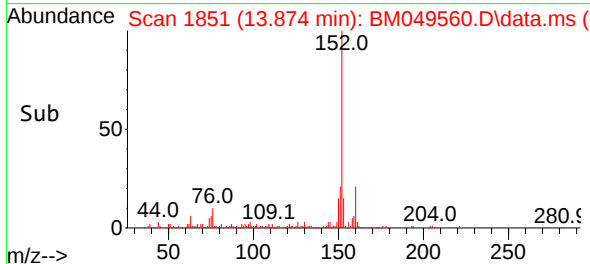
Instrument :
BNA_M
ClientSampleId :
A44S7



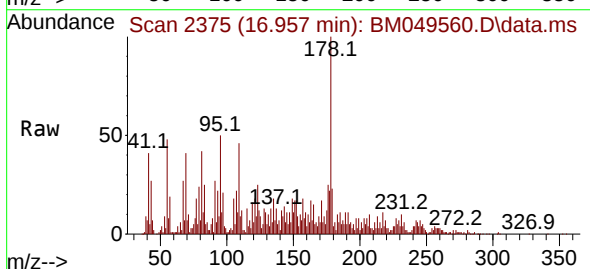
Tgt Ion:152 Resp: 6286
Ion Ratio Lower Upper
152 100
151 22.8 16.0 24.0
153 15.1 10.4 15.6

Manual Integrations
APPROVED

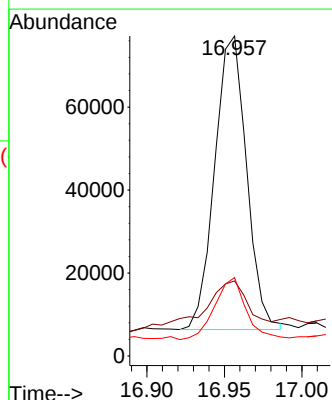
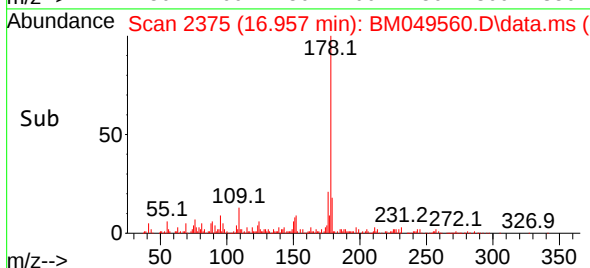
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

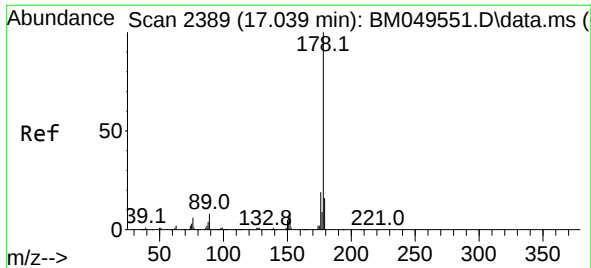


#72
Phenanthrene
Concen: 1.413 ng/ul
RT: 16.957 min Scan# 2375
Delta R.T. 0.012 min
Lab File: BM049560.D
Acq: 31 Jan 2025 16:36



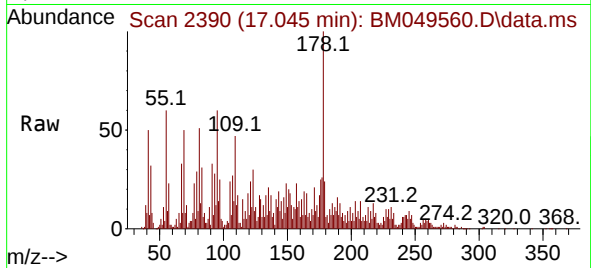
Tgt Ion:178 Resp: 101271
Ion Ratio Lower Upper
178 100
179 23.5 12.4 18.6#
176 24.5 15.6 23.4#





#74
 Anthracene
 Concen: 1.219 ng/ul
 RT: 17.045 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BM049560.D
 Acq: 31 Jan 2025 16:36

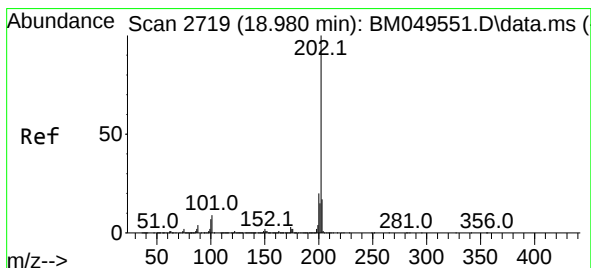
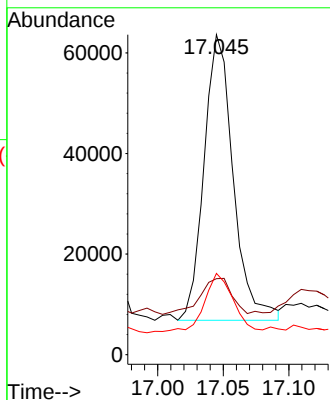
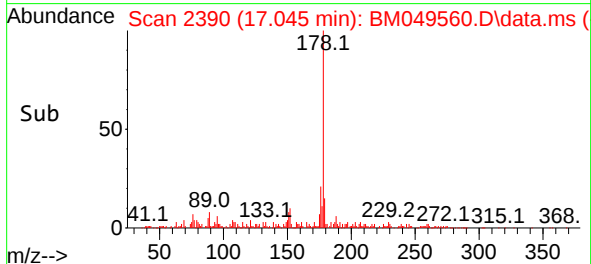
Instrument :
 BNA_M
 ClientSampleId :
 A44S7



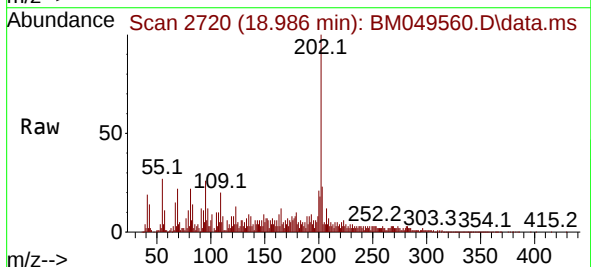
Tgt Ion:178 Resp: 88000
 Ion Ratio Lower Upper
 178 100
 179 23.7 12.2 18.4
 176 25.4 15.0 22.4

Manual Integrations
 APPROVED

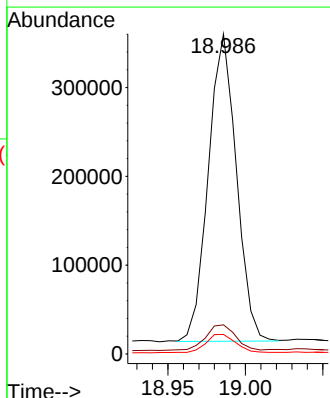
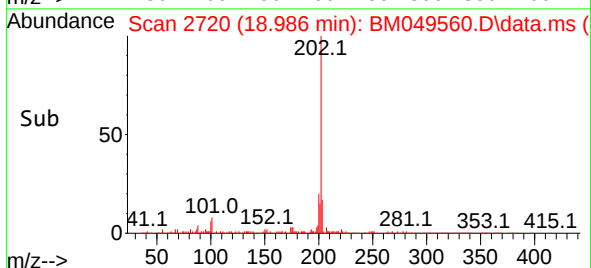
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

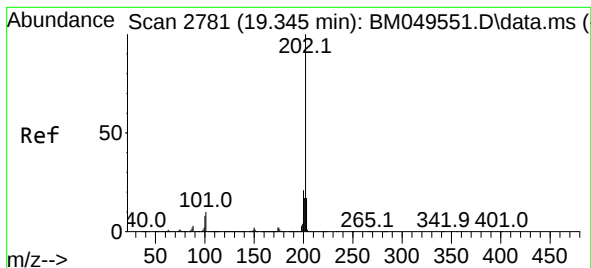


#80
 Fluoranthene
 Concen: 6.259 ng/ul
 RT: 18.986 min Scan# 2720
 Delta R.T. 0.012 min
 Lab File: BM049560.D
 Acq: 31 Jan 2025 16:36



Tgt Ion:202 Resp: 435191
 Ion Ratio Lower Upper
 202 100
 101 9.1 6.9 10.3
 100 6.1 5.1 7.7





#82

Pyrene

Concen: 6.308 ng/u1

RT: 19.351 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM049560.D

Acq: 31 Jan 2025 16:36

Instrument :

BNA_M

ClientSampleId :

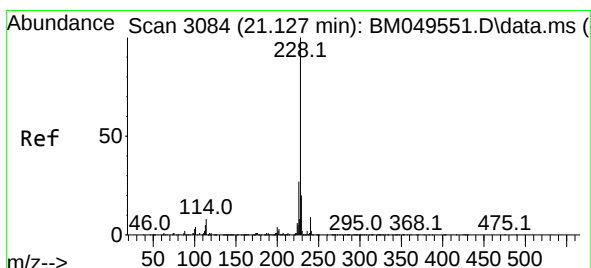
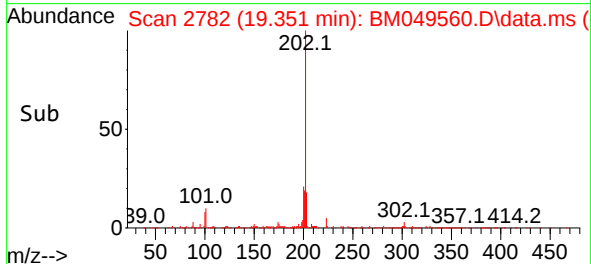
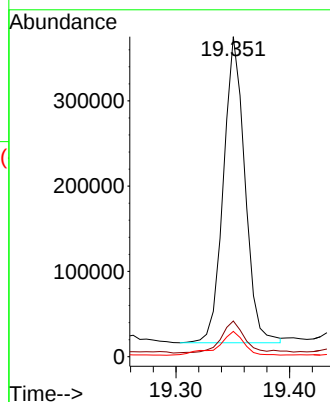
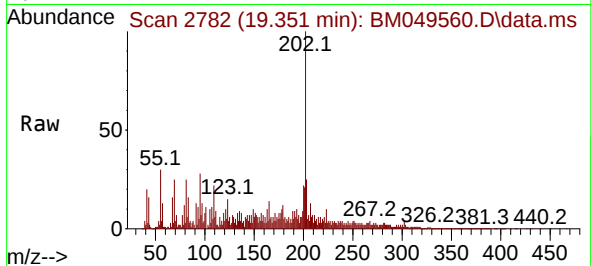
A44S7

Tgt Ion:	202	Resp:	471894
Ion Ratio	Lower	Upper	
202	100		
101	11.2	8.3	12.5
100	7.9	6.6	9.8

Manual Integrations

APPROVED

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



#85

Benzo(a)anthracene

Concen: 4.106 ng/u1

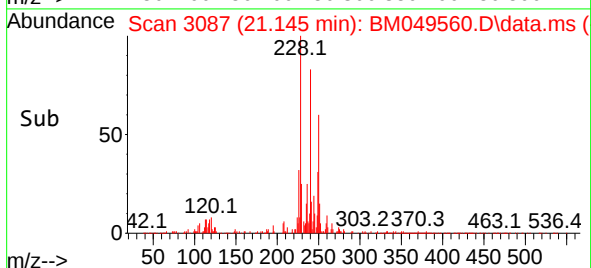
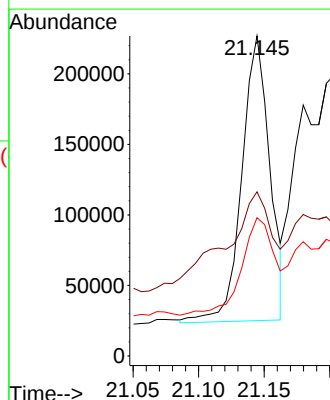
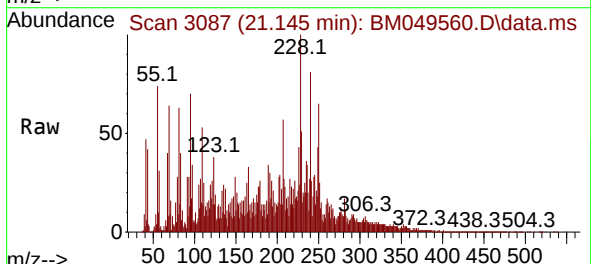
RT: 21.145 min Scan# 3087

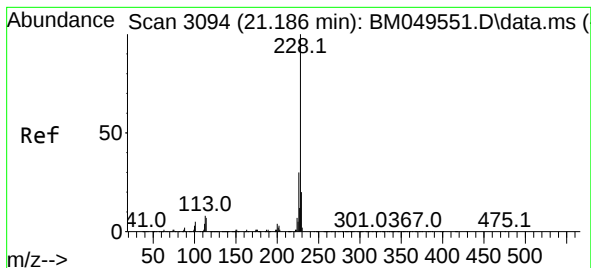
Delta R.T. 0.029 min

Lab File: BM049560.D

Acq: 31 Jan 2025 16:36

Tgt Ion:	228	Resp:	300393
Ion Ratio	Lower	Upper	
228	100		
229	51.3	15.7	23.5#
226	43.2	22.1	33.1#





#87

Chrysene

Concen: 5.939 ng/ul m

RT: 21.203 min Scan# 3097

Delta R.T. 0.029 min

Lab File: BM049560.D

Acq: 31 Jan 2025 16:36

Instrument :

BNA_M

ClientSampleId :

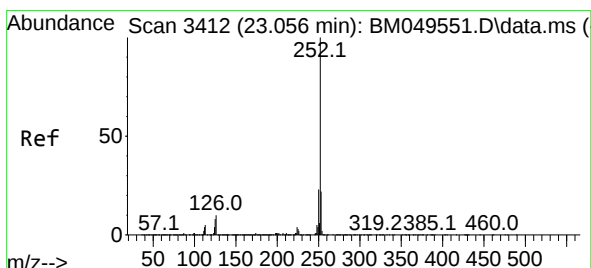
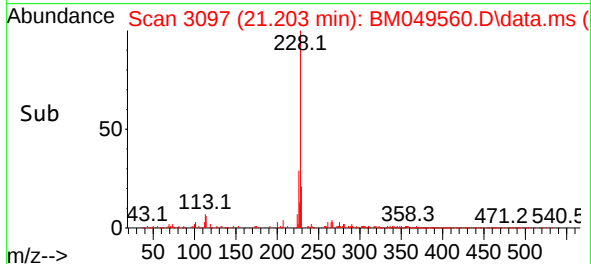
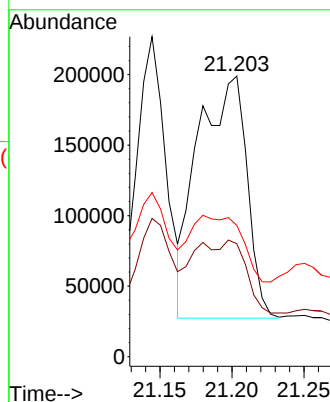
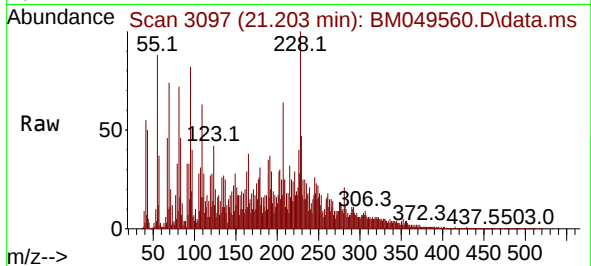
A44S7

Tgt Ion:228	Resp: 40343
Ion Ratio	Lower Upper
228 100	
226 40.3	24.6 37.0
229 46.8	15.9 23.9

Manual Integrations

APPROVED

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



#90

Benzo(b)fluoranthene

Concen: 6.423 ng/ul m

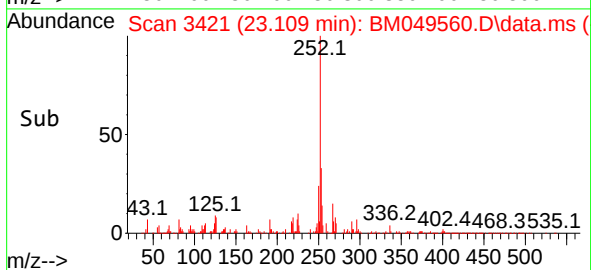
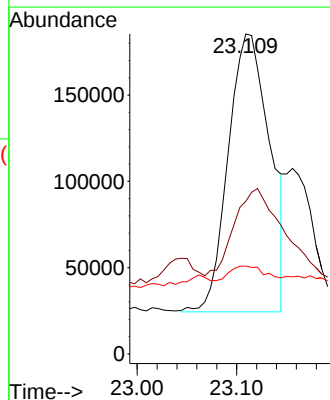
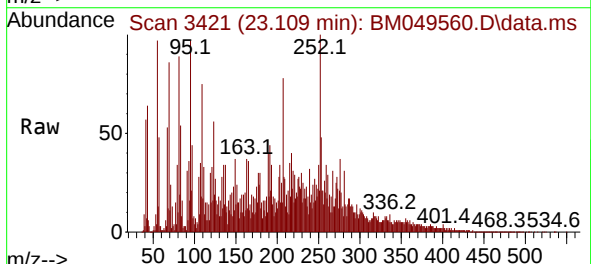
RT: 23.109 min Scan# 3421

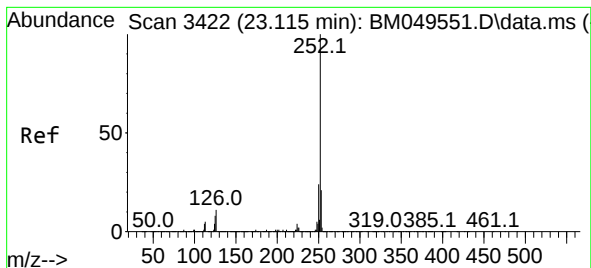
Delta R.T. 0.065 min

Lab File: BM049560.D

Acq: 31 Jan 2025 16:36

Tgt Ion:252	Resp: 467488
Ion Ratio	Lower Upper
252 100	
253 47.7	17.6 26.4
125 27.5	6.3 9.5





#91

Benzo(k)fluoranthene

Concen: 2.287 ng/ul m

RT: 23.156 min Scan# 3422

Delta R.T. 0.059 min

Lab File: BM049560.D

Acq: 31 Jan 2025 16:36

Instrument :

BNA_M

ClientSampleId :

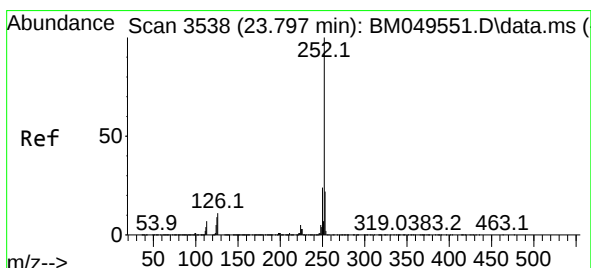
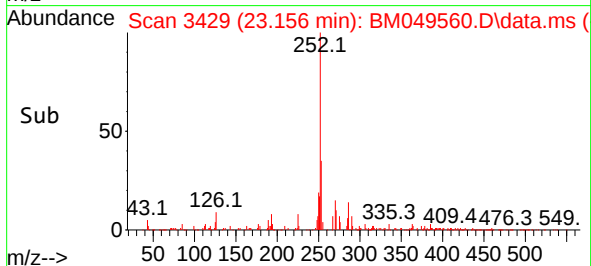
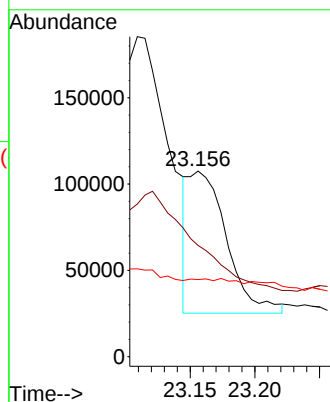
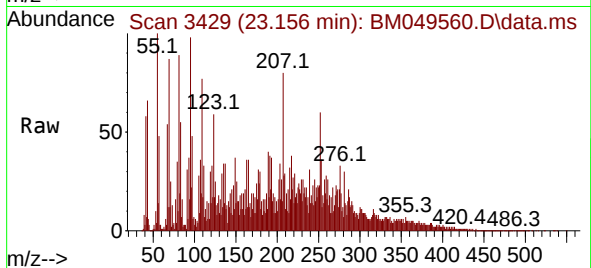
A44S7

Tgt Ion:	252	Resp:	168200
Ion Ratio	Lower	Upper	
252	100		
253	59.9	17.5	26.3
125	41.5	6.5	9.7

Manual Integrations

APPROVED

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



#93

Benzo(a)pyrene

Concen: 5.171 ng/ul m

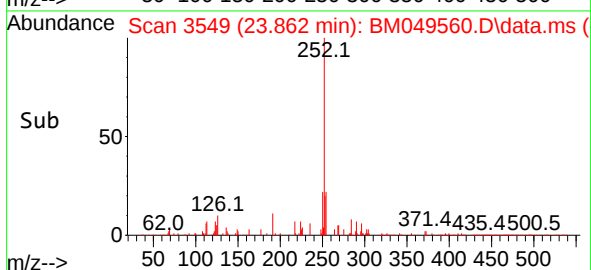
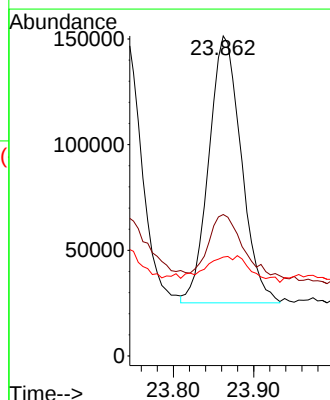
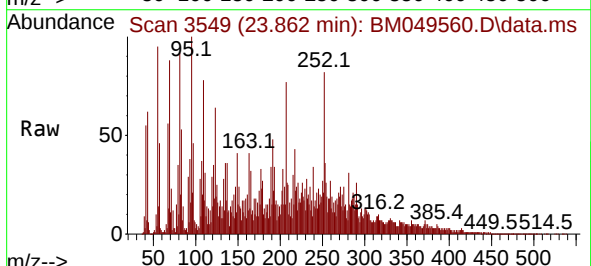
RT: 23.862 min Scan# 3549

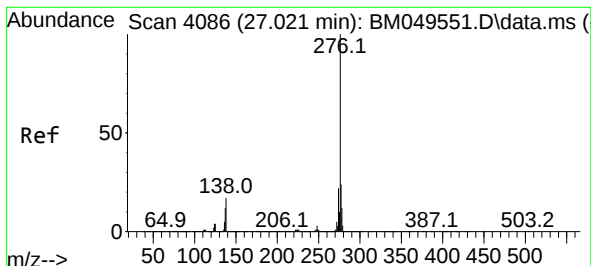
Delta R.T. 0.082 min

Lab File: BM049560.D

Acq: 31 Jan 2025 16:36

Tgt Ion:	252	Resp:	353075
Ion Ratio	Lower	Upper	
252	100		
253	44.2	17.3	25.9
125	30.9	7.0	10.6





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.934 ng/ul m

RT: 27.174 min Scan# 4112

Delta R.T. 0.182 min

Lab File: BM049560.D

Acq: 31 Jan 2025 16:36

Instrument :

BNA_M

ClientSampleId :

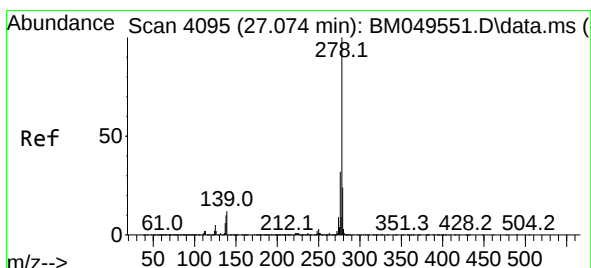
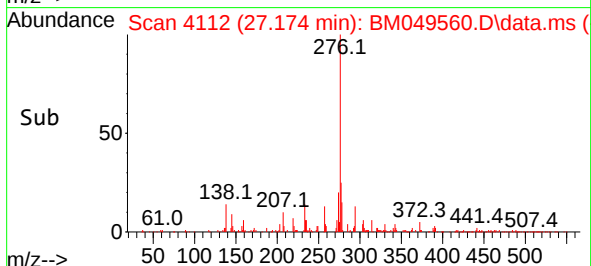
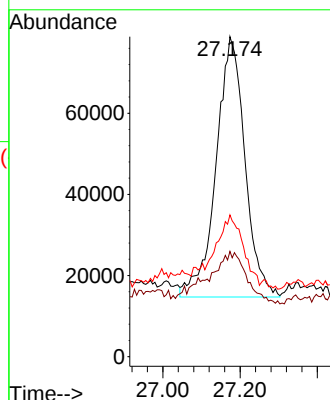
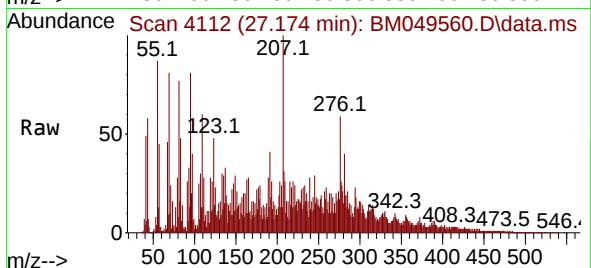
A44S7

Tgt Ion:	276	Resp:	332940
Ion Ratio	Lower	Upper	
276	100		
138	32.9	13.8	20.6
277	44.3	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: 1.883 ng/ul m

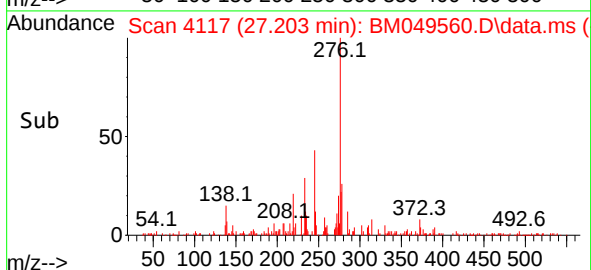
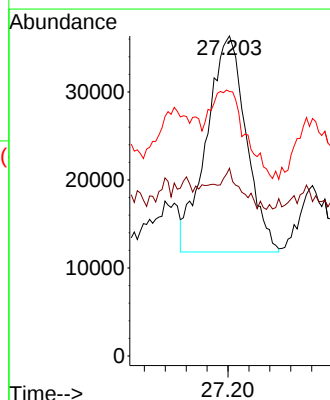
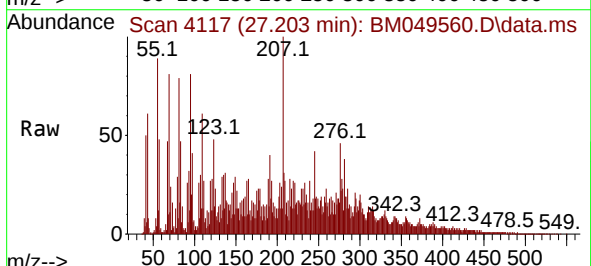
RT: 27.203 min Scan# 4117

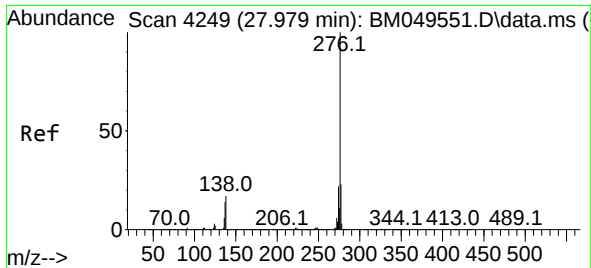
Delta R.T. 0.153 min

Lab File: BM049560.D

Acq: 31 Jan 2025 16:36

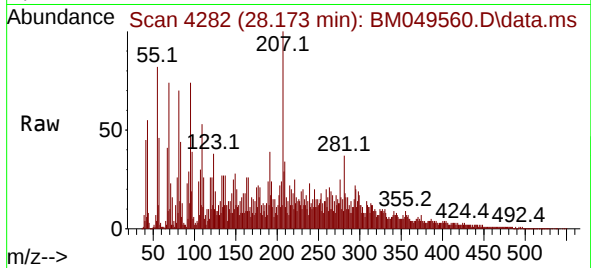
Tgt Ion:	278	Resp:	129153
Ion Ratio	Lower	Upper	
278	100		
139	58.6	10.5	15.7#
279	82.6	19.3	28.9#





#96
 Benzo(g,h,i)perylene
 Concen: 1.638 ng/ul m
 RT: 28.173 min Scan# 4
 Delta R.T. 0.223 min
 Lab File: BM049560.D
 Acq: 31 Jan 2025 16:36

Instrument :
 BNA_M
 ClientSampleId :
 A44S7



Tgt Ion:276 Resp: 10543
 Ion Ratio Lower Upper
 276 100
 138 48.9 14.1 21.1
 277 66.5 19.1 28.7

Manual Integrations
 APPROVED

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

