

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049528.D
 Acq On : 30 Jan 2025 15:41
 Operator : RC/JU
 Sample : Q1189-13DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A44R4DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 09:48:51 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	322860	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	1180710	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	756007	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1534073	20.000	ng/u1	0.00
79) Chrysene-d12	21.151	240	1366676	20.000	ng/u1	0.02
88) Perylene-d12	23.945	264	1532489	20.000	ng/u1	# 0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.128	96	2172m	0.249	ng/uL	0.00
4) Pyridine-d5	3.528	84	9004	0.352	ng/u1	0.02
7) Phenol-d5	6.734	99	38084	1.454	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.863	67	21557	1.203	ng/u1	0.00
11) 2-Chlorophenol-d4	7.063	132	31582	1.558	ng/u1	0.01
15) 4-Methylphenol-d8	8.246	113	29769	1.551	ng/u1	0.02
21) Nitrobenzene-d5	8.657	128	14293	1.582	ng/u1	0.00
24) 2-Nitrophenol-d4	9.375	143	14488	1.470	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.928	165	30276	1.506	ng/u1	0.02
31) 4-Chloroaniline-d4	10.434	131	6526	0.253	ng/u1	0.01
46) Dimethylphthalate-d6	13.575	166	90587	1.634	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	102864	1.579	ng/u1	0.00
54) 4-Nitrophenol-d4	14.451	143	8917m	0.981	ng/u1	0.07
60) Fluorene-d10	15.157	176	82587	1.694	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.010	188	136443	1.781	ng/u1	0.00
81) Pyrene-d10	19.315	212	124217	1.555	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.750	264	88277	1.080	ng/u1	0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.328	105	56928	1.783	ng/u1	97
50) Acenaphthylene	13.875	152	1064649	15.911	ng/u1	99
52) Acenaphthene	14.222	153	73333	1.535	ng/u1	97
61) Fluorene	15.216	166	70163	1.275	ng/u1#	88
72) Phenanthrene	16.951	178	843165	9.764	ng/u1	99
74) Anthracene	17.045	178	1252804	14.403	ng/u1	99
77) Carbazole	17.321	167	137867	1.773	ng/u1	95
80) Fluoranthene	18.986	202	8321113	91.188	ng/u1	98
82) Pyrene	19.351	202	8710656	88.717	ng/u1	98
85) Benzo(a)anthracene	21.133	228	5510903	57.403	ng/u1	94
87) Chrysene	21.192	228	5392709	60.486	ng/u1	97
90) Benzo(b)fluoranthene	23.086	252	9016317	90.768	ng/u1	98
91) Benzo(k)fluoranthene	23.133	252	3165109m	31.533	ng/u1	
93) Benzo(a)pyrene	23.815	252	3912588	41.988	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.062	276	3604373	31.207	ng/u1	98
95) Dibenzo(a,h)anthracene	27.086	278	1313073	14.030	ng/u1#	92
96) Benzo(g,h,i)perylene	28.009	276	455797	5.190	ng/u1	95

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

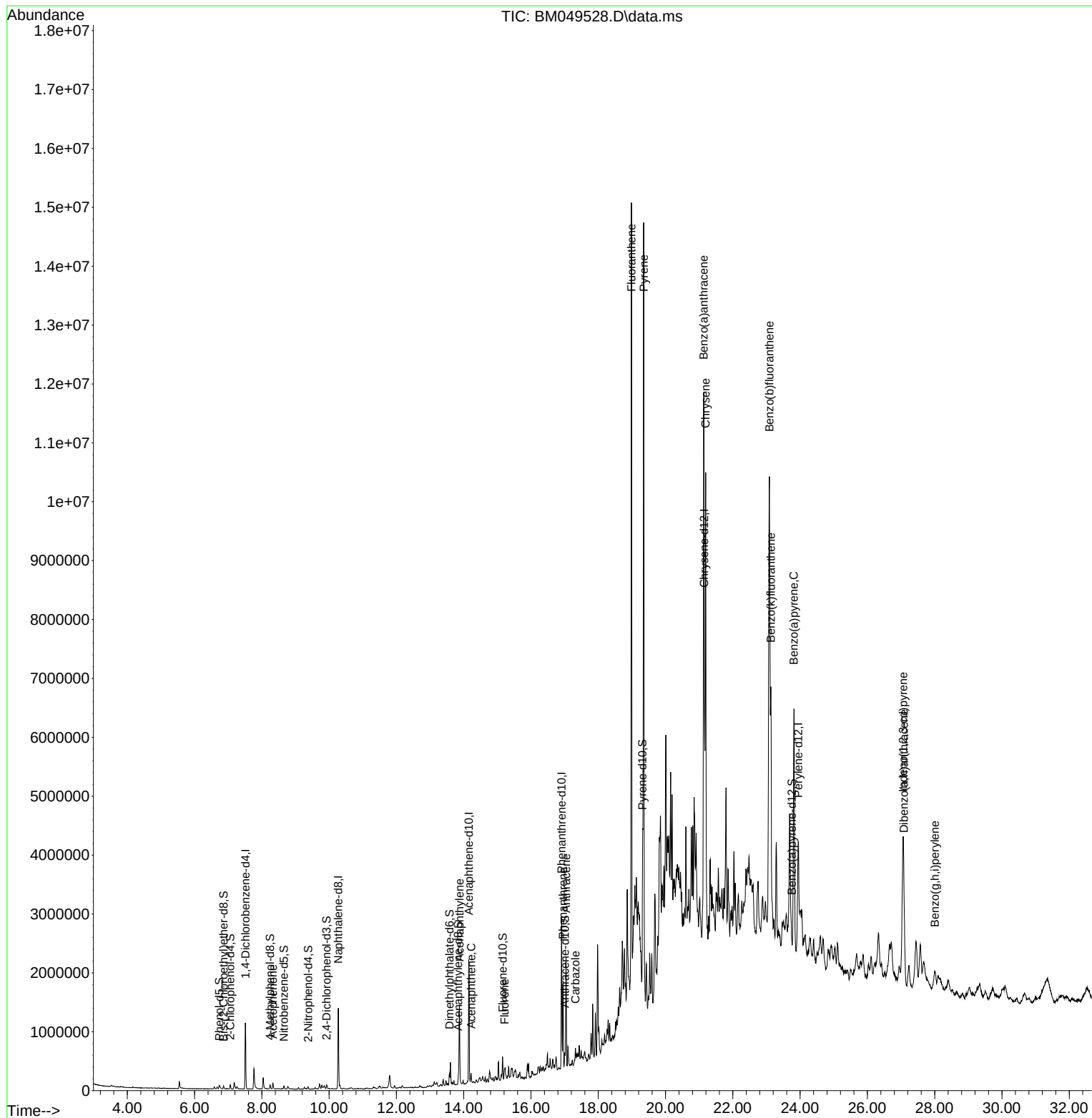
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049528.D
Acq On : 30 Jan 2025 15:41
Operator : RC/JU
Sample : Q1189-13DL 10X
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ALS Vial : 9 Sample Multiplier: 1

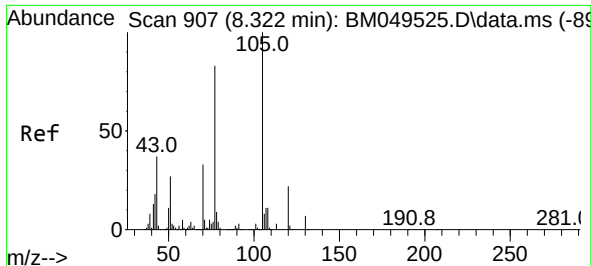
Instrument :
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A44R4DL

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Supervised By :mohammad ahmed 02/04/2025

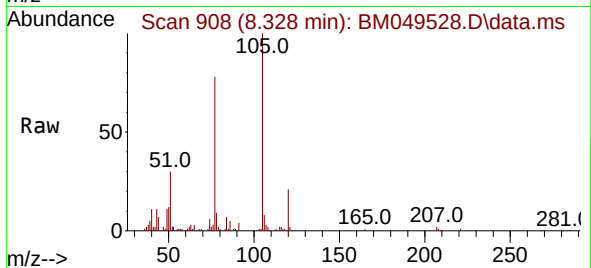
Quant Time: Jan 31 09:48:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration





#16
Acetophenone
Concen: 1.783 ng/ul
RT: 8.328 min Scan# 907
Delta R.T. 0.000 min
Lab File: BM049528.D
Acq: 30 Jan 2025 15:41

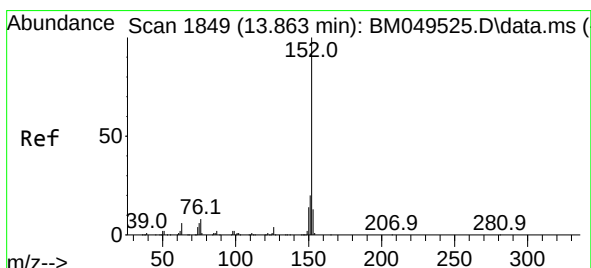
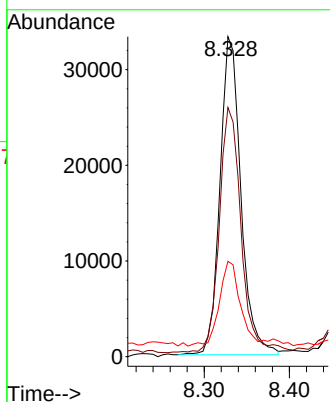
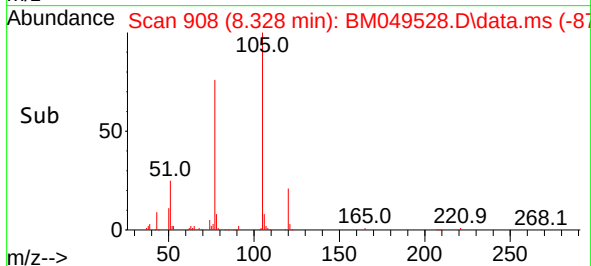
Instrument :
BNA_M
ClientSampleId :
A44R4DL



Tgt Ion:105 Resp: 56928
Ion Ratio Lower Upper
105 100
77 77.9 64.6 97.0
51 29.8 23.3 34.9

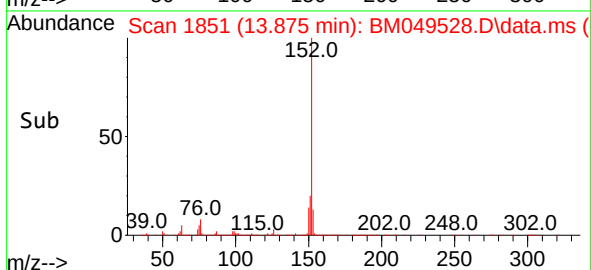
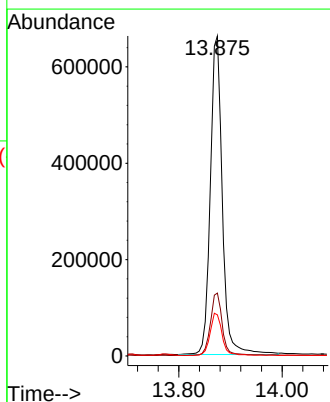
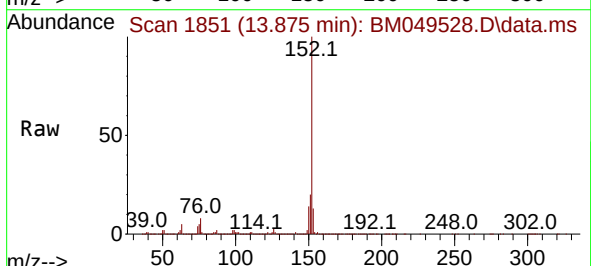
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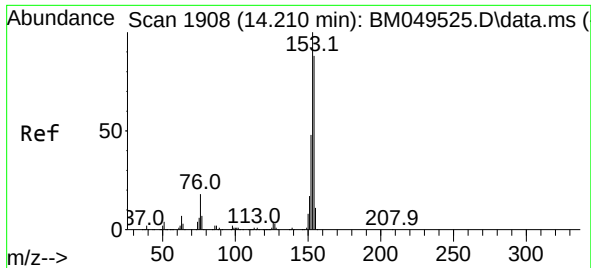
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#50
Acenaphthylene
Concen: 15.911 ng/ul
RT: 13.875 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BM049528.D
Acq: 30 Jan 2025 15:41

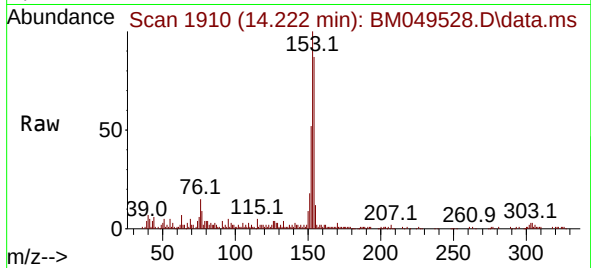
Tgt Ion:152 Resp: 1064649
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 12.9 10.4 15.6





#52
Acenaphthene
Concen: 1.535 ng/ul
RT: 14.222 min Scan# 1908
Delta R.T. 0.006 min
Lab File: BM049528.D
Acq: 30 Jan 2025 15:41

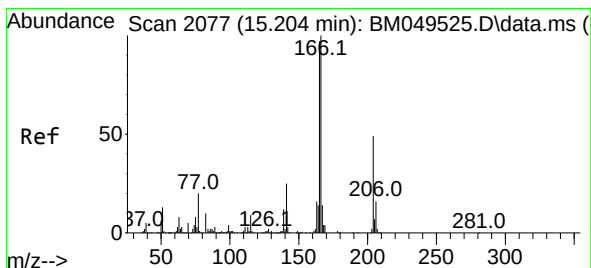
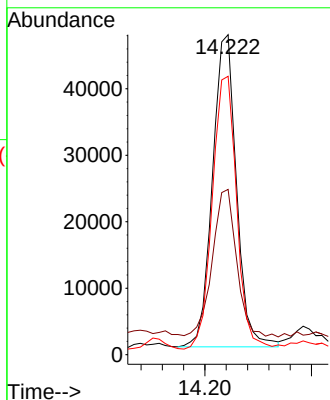
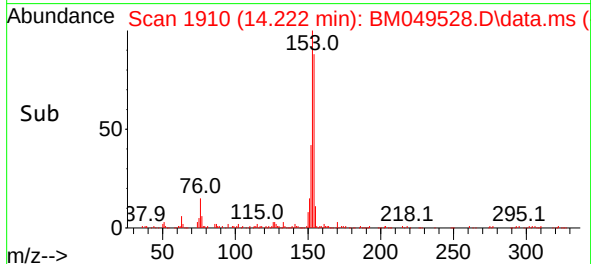
Instrument :
BNA_M
ClientSampleId :
A44R4DL



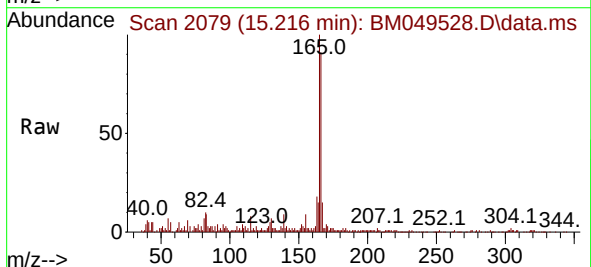
Tgt Ion:153 Resp: 7333
Ion Ratio Lower Upper
153 100
152 51.6 39.0 58.4
154 87.0 71.5 107.3

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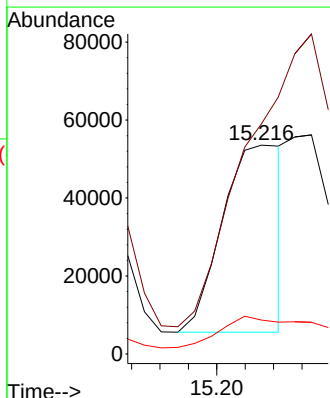
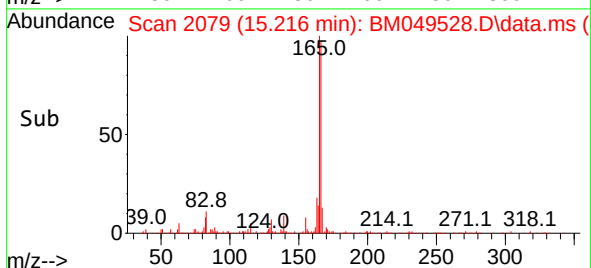
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025

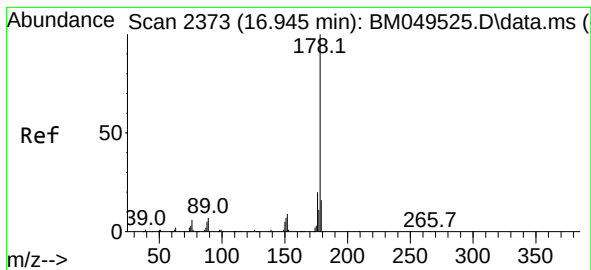


#61
Fluorene
Concen: 1.275 ng/ul
RT: 15.216 min Scan# 2079
Delta R.T. 0.006 min
Lab File: BM049528.D
Acq: 30 Jan 2025 15:41



Tgt Ion:166 Resp: 70163
Ion Ratio Lower Upper
166 100
165 110.1 78.5 117.7
167 16.2 10.7 16.1#





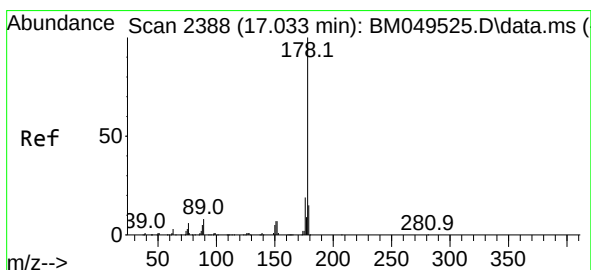
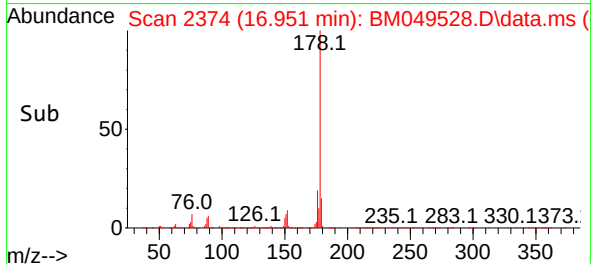
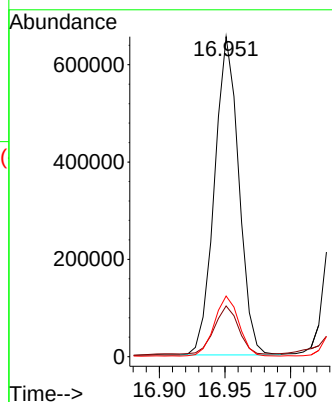
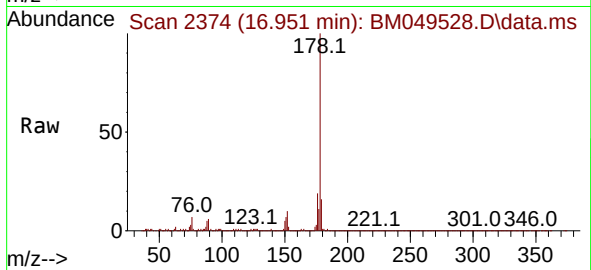
#72
Phenanthrene
Concen: 9.764 ng/u1
RT: 16.951 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM049528.D
Acq: 30 Jan 2025 15:41

Instrument :
BNA_M
ClientSampleId :
A44R4DL

Tgt Ion:178 Resp: 84316
Ion Ratio Lower Upper
178 100
179 15.9 12.4 18.6
176 18.9 15.6 23.4

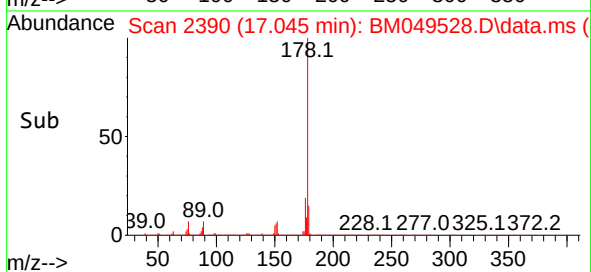
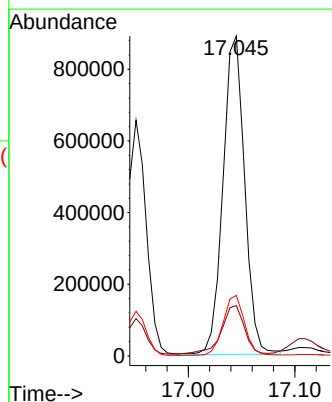
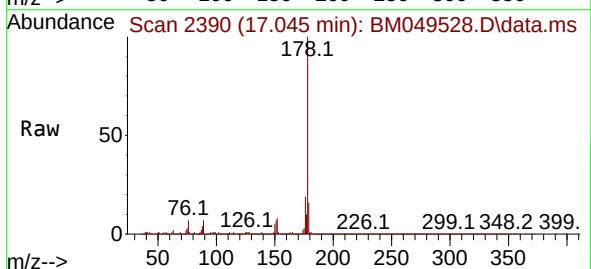
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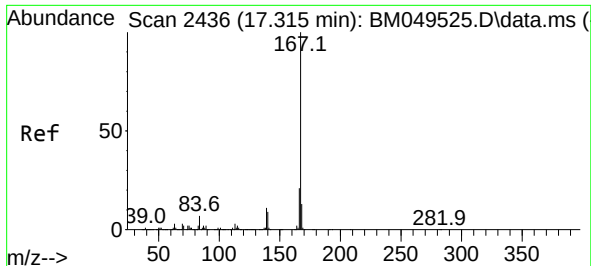
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#74
Anthracene
Concen: 14.403 ng/u1
RT: 17.045 min Scan# 2390
Delta R.T. 0.006 min
Lab File: BM049528.D
Acq: 30 Jan 2025 15:41

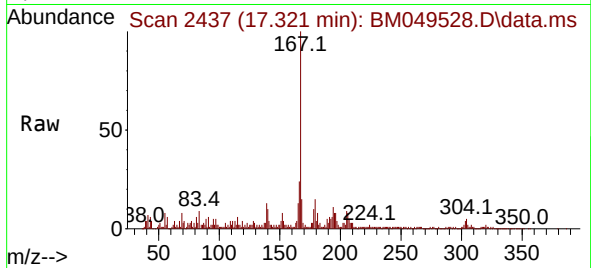
Tgt Ion:178 Resp: 1252804
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.4
176 18.9 15.0 22.4





#77
Carbazole
Concen: 1.773 ng/ul
RT: 17.321 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BM049528.D
Acq: 30 Jan 2025 15:41

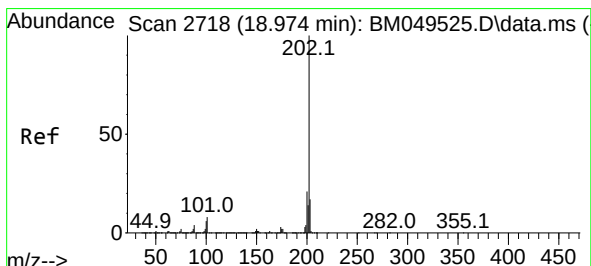
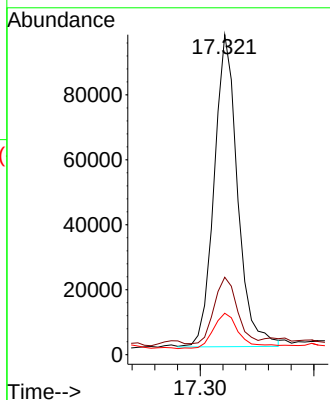
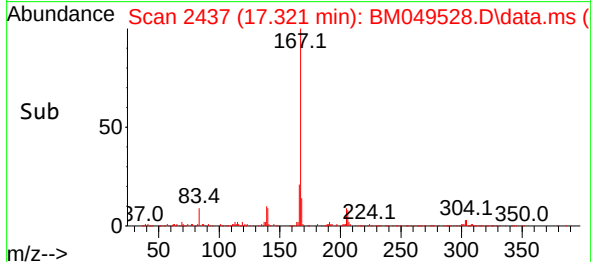
Instrument :
BNA_M
ClientSampleId :
A44R4DL



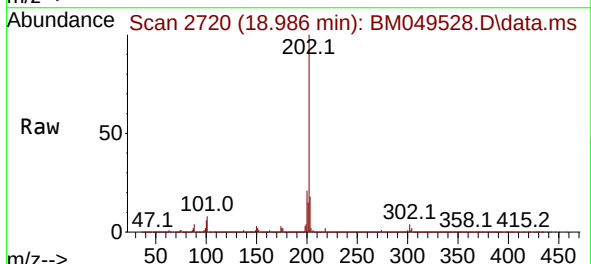
Tgt Ion:167 Resp: 13786
Ion Ratio Lower Upper
167 100
166 24.2 17.2 25.8
139 12.9 9.3 13.9

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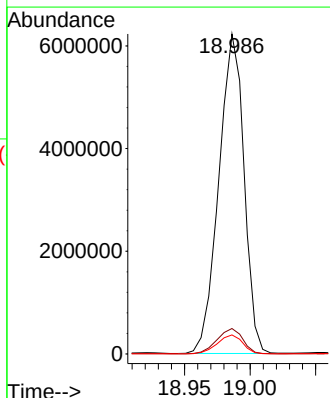
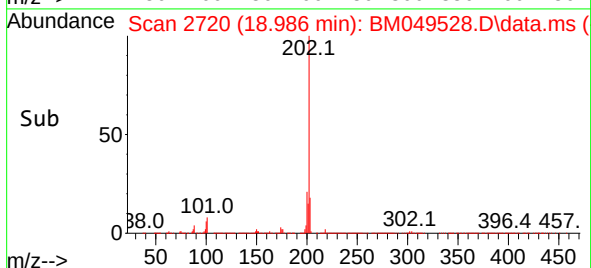
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025

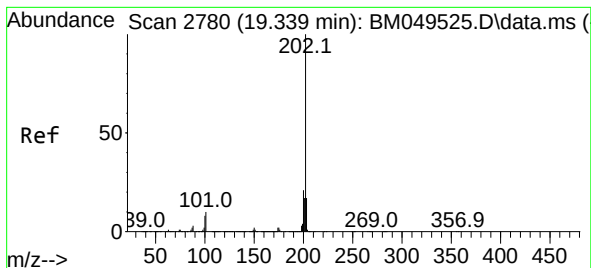


#80
Fluoranthene
Concen: 91.188 ng/ul
RT: 18.986 min Scan# 2720
Delta R.T. 0.012 min
Lab File: BM049528.D
Acq: 30 Jan 2025 15:41



Tgt Ion:202 Resp: 8321113
Ion Ratio Lower Upper
202 100
101 8.0 6.9 10.3
100 6.0 5.1 7.7





#82

Pyrene

Concen: 88.717 ng/u1

RT: 19.351 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM049528.D

Acq: 30 Jan 2025 15:41

Instrument :

BNA_M

ClientSampleId :

A44R4DL

Tgt Ion:202 Resp: 871065

Ion Ratio Lower Upper

202 100

101 9.4 8.3 12.5

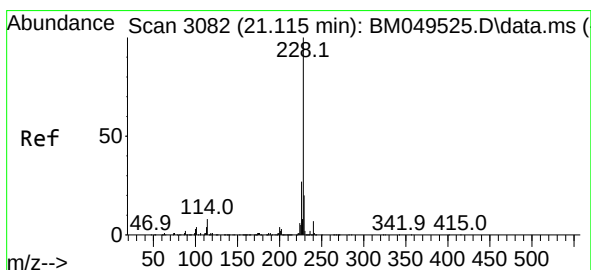
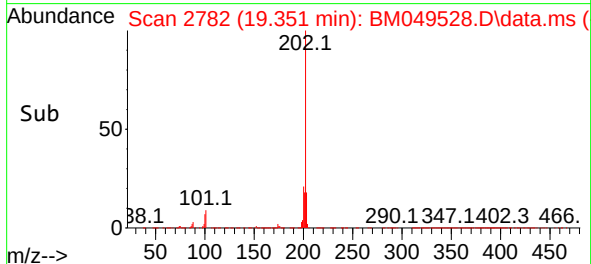
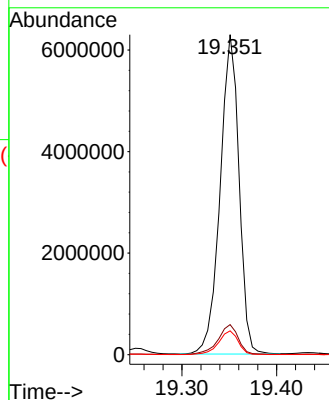
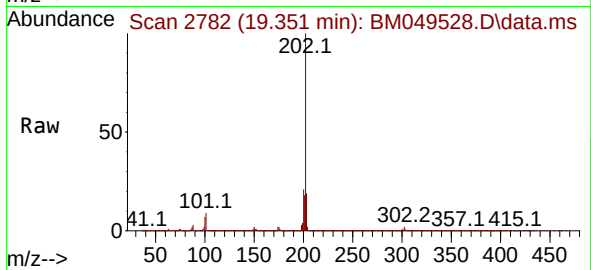
100 7.5 6.6 9.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/31/2025

Supervised By :mohammad ahmed 02/04/2025



#85

Benzo(a)anthracene

Concen: 57.403 ng/u1

RT: 21.133 min Scan# 3085

Delta R.T. 0.018 min

Lab File: BM049528.D

Acq: 30 Jan 2025 15:41

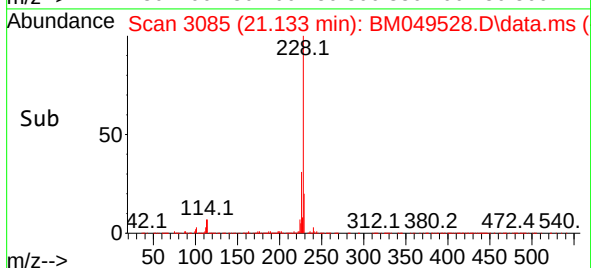
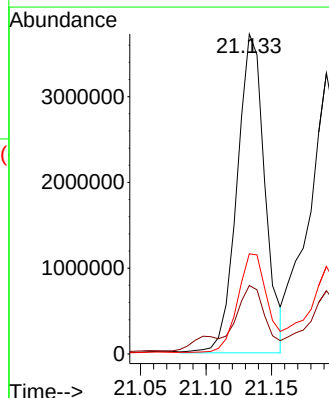
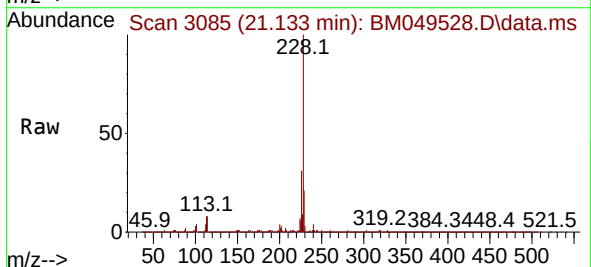
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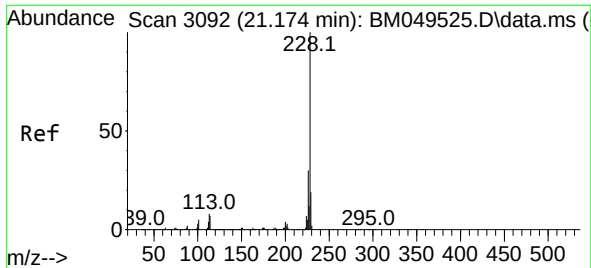
Ion Ratio Lower Upper

228 100

229 21.4 15.7 23.5

226 31.3 22.1 33.1





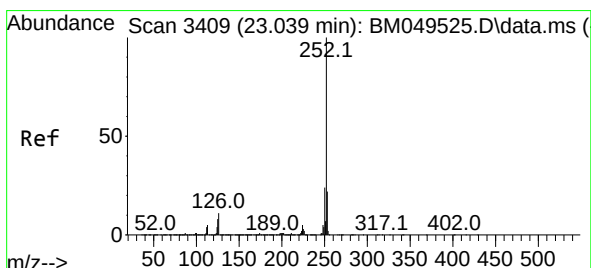
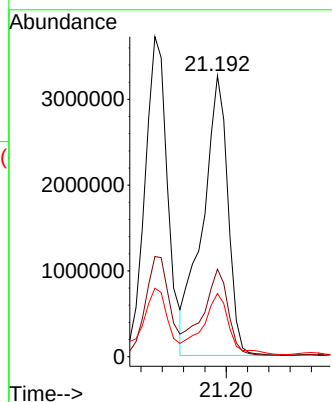
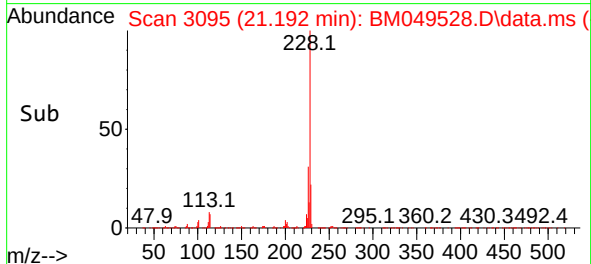
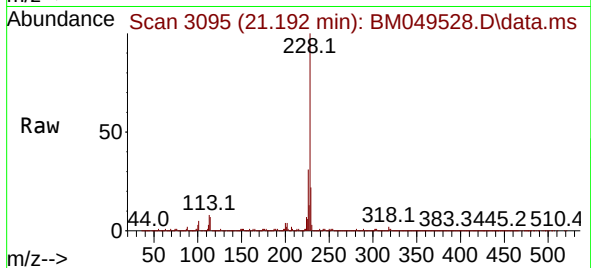
#87
Chrysene
Concen: 60.486 ng/u1
RT: 21.192 min Scan# 3092
Delta R.T. 0.018 min
Lab File: BM049528.D
Acq: 30 Jan 2025 15:41

Instrument :
BNA_M
ClientSampleId :
A44R4DL

Tgt Ion:228 Resp: 5392709
Ion Ratio Lower Upper
228 100
226 31.2 24.6 37.0
229 22.5 15.9 23.9

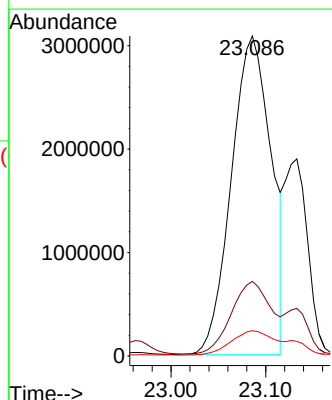
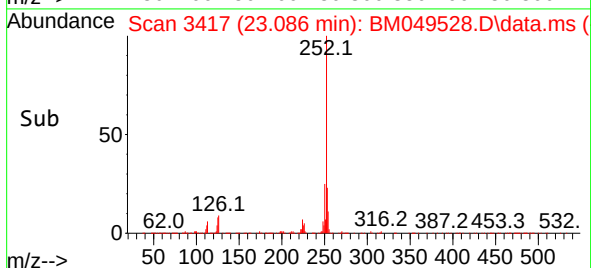
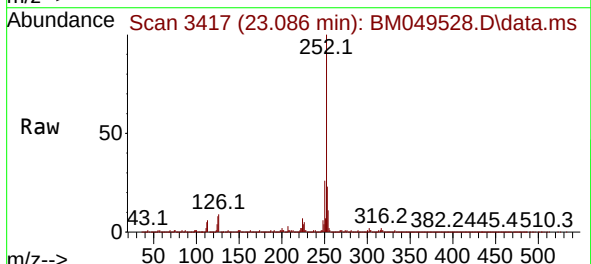
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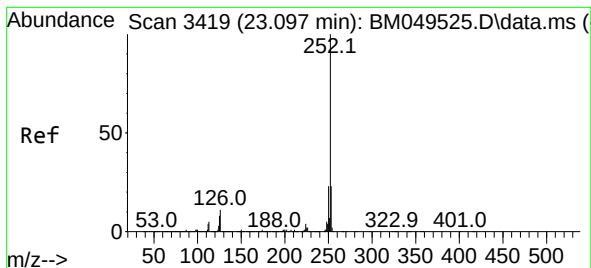
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#90
Benzo(b)fluoranthene
Concen: 90.768 ng/u1
RT: 23.086 min Scan# 3417
Delta R.T. 0.041 min
Lab File: BM049528.D
Acq: 30 Jan 2025 15:41

Tgt Ion:252 Resp: 9016317
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 7.9 6.3 9.5





#91

Benzo(k)fluoranthene

Concen: 31.533 ng/ul m

RT: 23.133 min Scan# 3419

Delta R.T. 0.035 min

Lab File: BM049528.D

Acq: 30 Jan 2025 15:41

Instrument :

BNA_M

ClientSampleId :

A44R4DL

Tgt Ion:252 Resp: 3165109

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

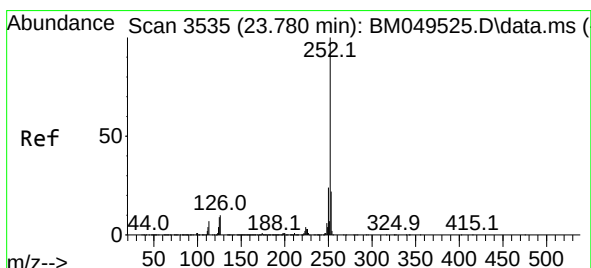
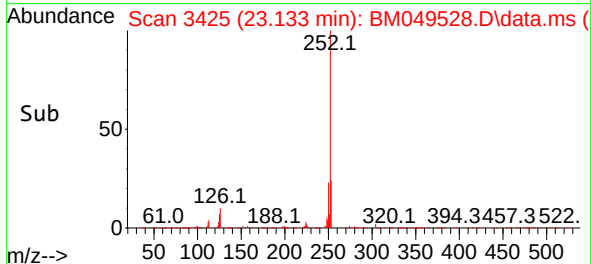
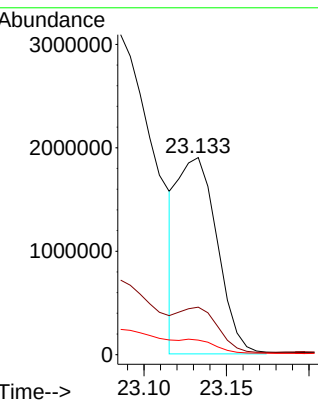
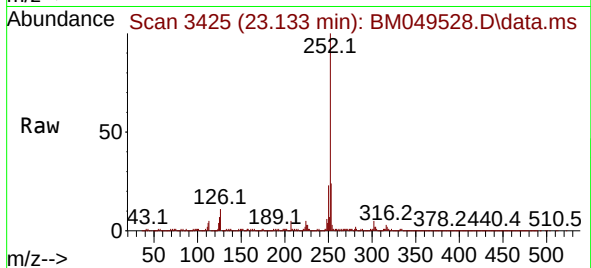
125 7.4 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025

Supervised By :mohammad ahmed 02/04/2025



#93

Benzo(a)pyrene

Concen: 41.988 ng/ul

RT: 23.815 min Scan# 3541

Delta R.T. 0.035 min

Lab File: BM049528.D

Acq: 30 Jan 2025 15:41

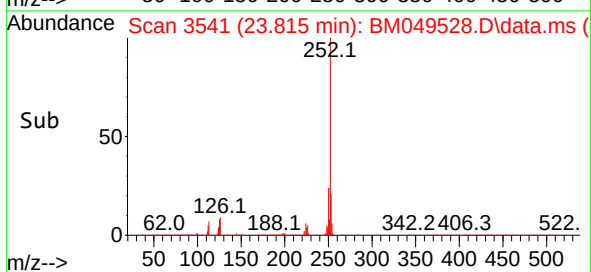
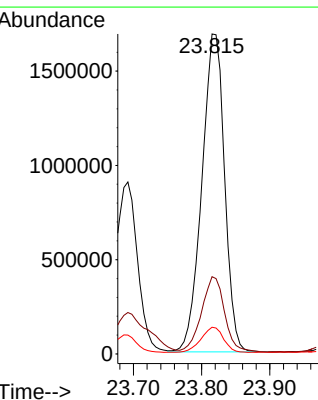
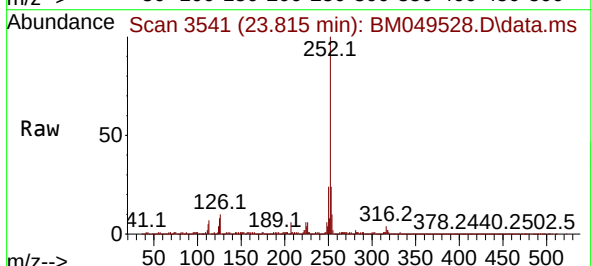
Tgt Ion:252 Resp: 3912588

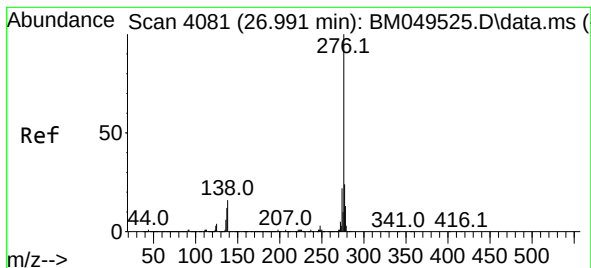
Ion Ratio Lower Upper

252 100

253 24.2 17.3 25.9

125 8.3 7.0 10.6





#94

Indeno(1,2,3-cd)pyrene

Concen: 31.207 ng/ul

RT: 27.062 min Scan# 4093

Delta R.T. 0.071 min

Lab File: BM049528.D

Acq: 30 Jan 2025 15:41

Instrument :

BNA_M

ClientSampleId :

A44R4DL

Tgt Ion:276 Resp: 360437

Ion Ratio Lower Upper

276 100

138 16.5 13.8 20.6

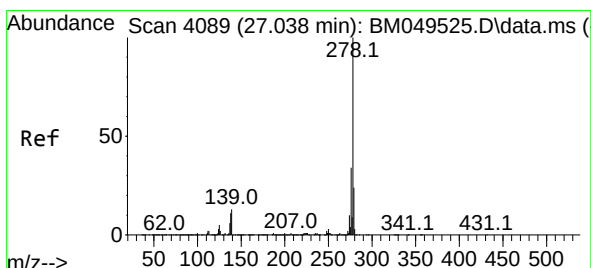
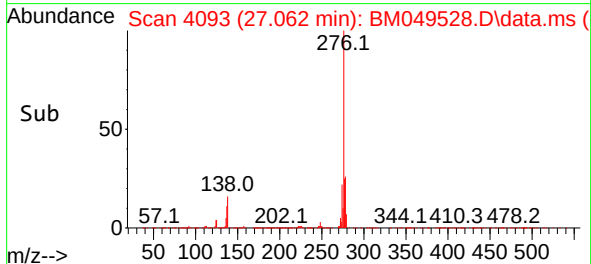
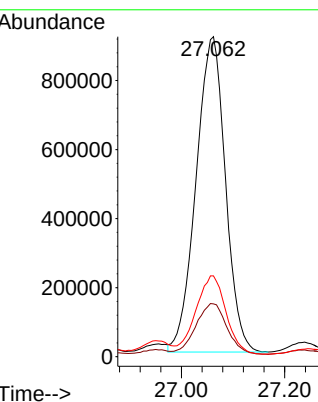
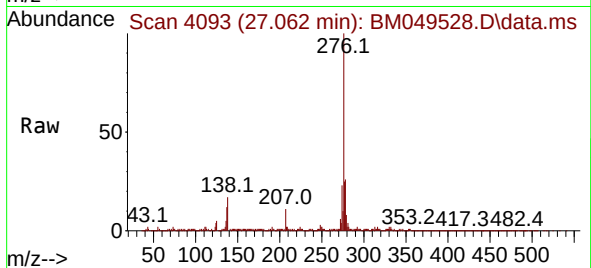
277 25.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025

Supervised By :mohammad ahmed 02/04/2025



#95

Dibenzo(a,h)anthracene

Concen: 14.030 ng/ul

RT: 27.086 min Scan# 4097

Delta R.T. 0.035 min

Lab File: BM049528.D

Acq: 30 Jan 2025 15:41

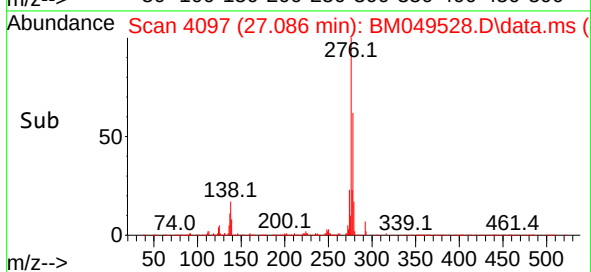
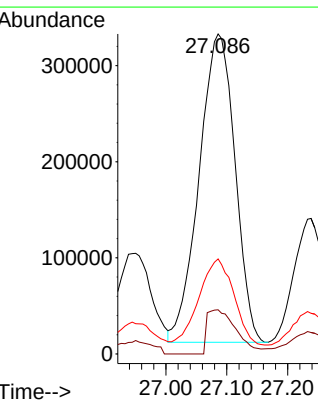
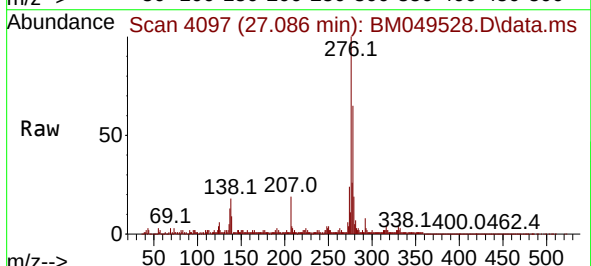
Tgt Ion:278 Resp: 1313073

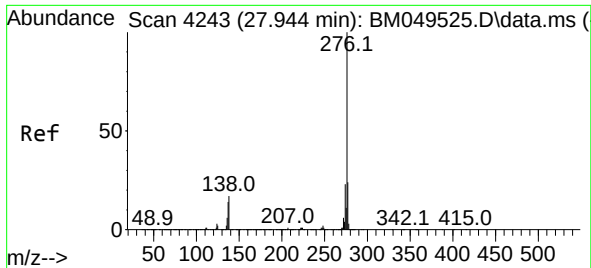
Ion Ratio Lower Upper

278 100

139 13.8 10.5 15.7

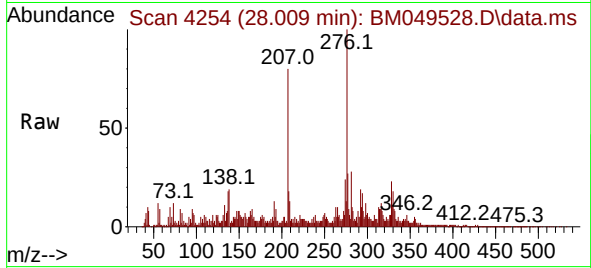
279 29.7 19.3 28.9#





#96
Benzo(g,h,i)perylene
Concen: 5.190 ng/ul
RT: 28.009 min Scan# 41
Delta R.T. 0.059 min
Lab File: BM049528.D
Acq: 30 Jan 2025 15:41

Instrument :
BNA_M
ClientSampleId :
A44R4DL



Tgt Ion:276 Resp: 45579
Ion Ratio Lower Upper
276 100
138 19.1 14.1 21.1
277 26.9 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025

