

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049404.D
 Acq On : 23 Jan 2025 05:09
 Operator : RC/JU
 Sample : Q1139-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/24/2025
 Supervised By :mohammad ahmed 01/24/2025

Quant Time: Jan 23 05:43:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 13 16:56:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	436883	20.000	ng/ul	0.00
20) Naphthalene-d8	10.281	136	1689273	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.163	164	1050474	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.933	188	1540589	20.000	ng/ul	0.02
79) Chrysene-d12	21.150	240	1456363	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264	1506869	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	28480	2.697	ng/uL	0.00
4) Pyridine-d5	3.516	84	159089	4.733	ng/ul	0.00
7) Phenol-d5	6.710	99	546330	14.897	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	377675	15.466	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	447881	15.964	ng/ul	0.00
15) 4-Methylphenol-d8	8.228	113	414460	14.574	ng/ul	-0.01
21) Nitrobenzene-d5	8.663	128	215241	16.709	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	232865	16.170	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	462630	15.744	ng/ul	0.00
31) 4-Chloroaniline-d4	10.428	131	380853	9.850	ng/ul	0.00
46) Dimethylphthalate-d6	13.586	166	1316250	16.835	ng/ul	0.00
49) Acenaphthylene-d8	13.851	160	1376835	15.426	ng/ul	0.00
54) 4-Nitrophenol-d4	14.398	143	176567	13.638	ng/ul	0.00
60) Fluorene-d10	15.168	176	1046485	15.494	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.327	200	30333	3.089	ng/ul	0.04
73) Anthracene-d10	17.051	188	714174m	9.378	ng/ul	0.04
81) Pyrene-d10	19.321	212	1199840	13.537	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.733	264	700472	8.659	ng/ul	-0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.333	128	10091693	112.567	ng/ul	98
36) 2-Methylnaphthalene	11.963	142	11884683	185.257	ng/ul	99
37) 1-Methylnaphthalene	12.175	142	984430	15.423	ng/ul	100
50) Acenaphthylene	13.880	152	654910	7.157	ng/ul#	92
52) Acenaphthene	14.233	153	11375156	173.991	ng/ul	99
61) Fluorene	15.233	166	33173348m	437.330	ng/ul	
71) Pentachlorophenol	16.604	266	196846	14.584	ng/ul	97
72) Phenanthrene	16.962	178	47636307m	556.191	ng/ul	
74) Anthracene	17.074	178	64088162m	745.494	ng/ul	
80) Fluoranthene	18.992	202	24785739m	243.365	ng/ul	
82) Pyrene	19.356	202	19087511m	176.064	ng/ul	
85) Benzo(a)anthracene	21.133	228	7801864	76.871	ng/ul	97
87) Chrysene	21.192	228	10205120	110.141	ng/ul	97
90) Benzo(b)fluoranthene	23.056	252	6217703	61.647	ng/ul	98
91) Benzo(k)fluoranthene	23.109	252	2308195m	22.953	ng/ul	
93) Benzo(a)pyrene	23.791	252	1253348	13.758	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.991	276	786804	7.529	ng/ul	99
95) Dibenzo(a,h)anthracene	27.032	278	341890	4.017	ng/ul	96

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

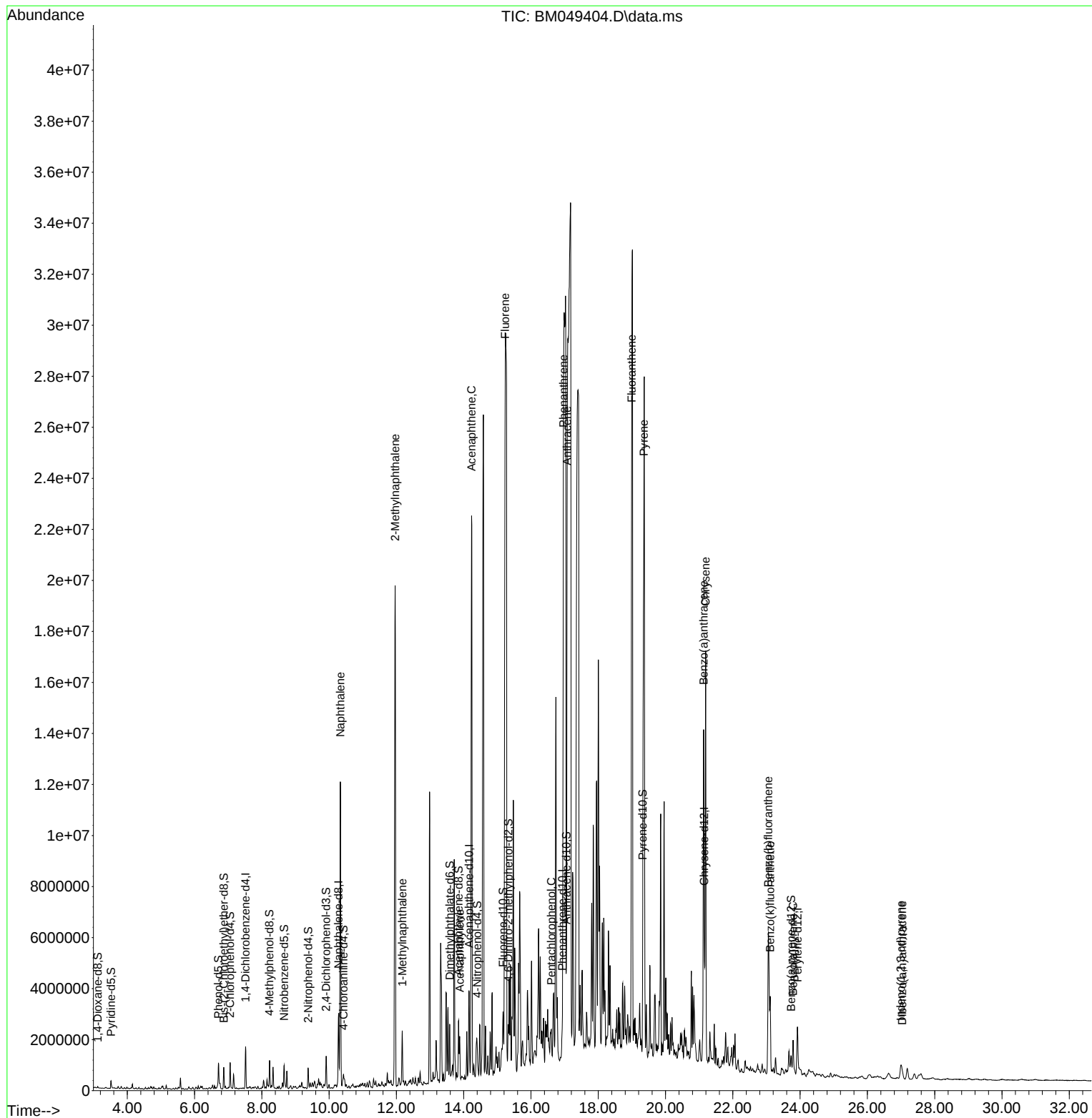
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
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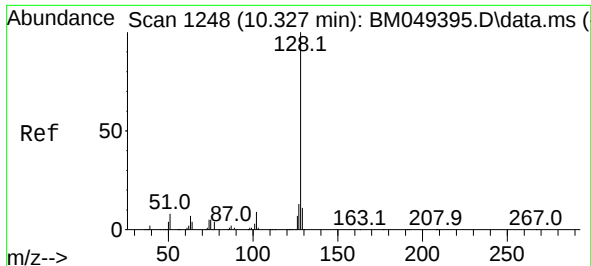
Instrument :
BNA_M
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Quant Time: Jan 23 05:43:50 2025
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
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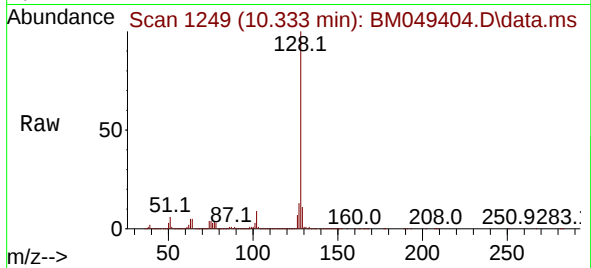
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025





#30
Naphthalene
Concen: 112.567 ng/ul
RT: 10.333 min Scan# 1249
Delta R.T. 0.000 min
Lab File: BM049404.D
Acq: 23 Jan 2025 05:09

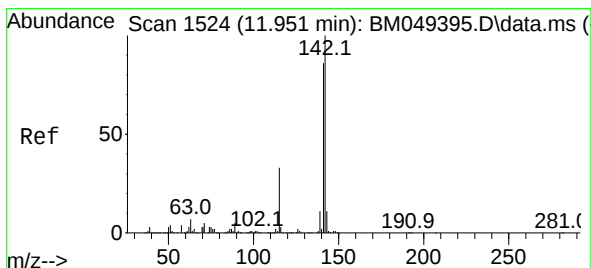
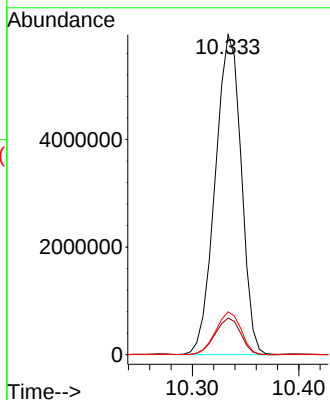
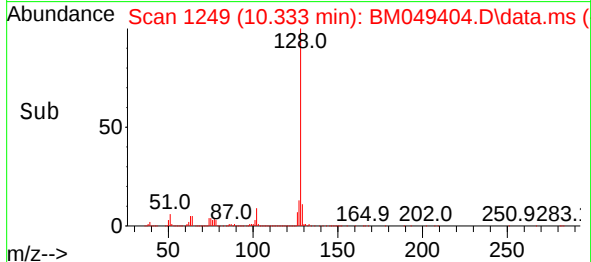
Instrument :
BNA_M
ClientSampleId :
DCZH5



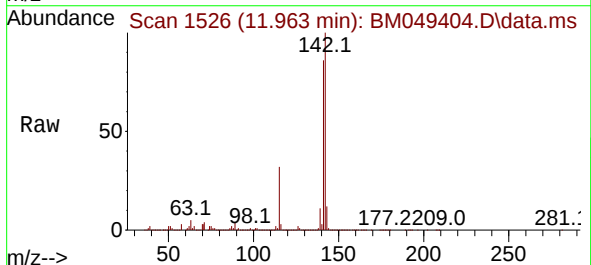
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Ion Ratio Lower Upper
128 100
129 11.5 8.5 12.7
127 13.4 10.2 15.2

Manual Integrations
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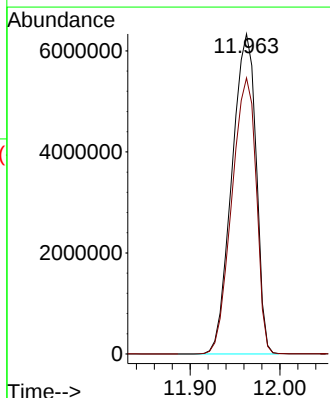
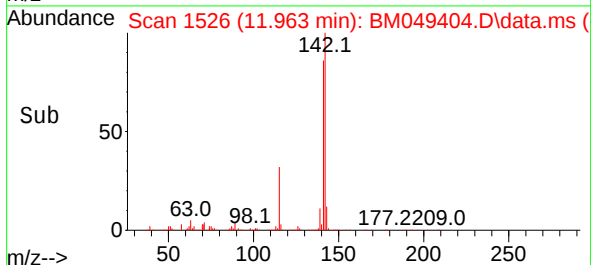
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

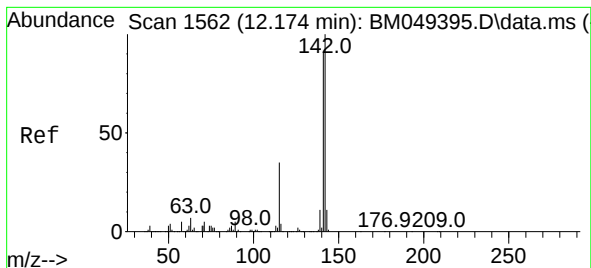


#36
2-Methylnaphthalene
Concen: 185.257 ng/ul
RT: 11.963 min Scan# 1526
Delta R.T. 0.006 min
Lab File: BM049404.D
Acq: 23 Jan 2025 05:09



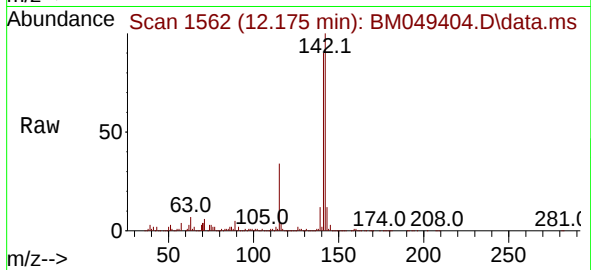
Tgt Ion:142 Resp:11884683
Ion Ratio Lower Upper
142 100
141 86.3 69.6 104.4





#37
1-Methylnaphthalene
Concen: 15.423 ng/ul
RT: 12.175 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BM049404.D
Acq: 23 Jan 2025 05:09

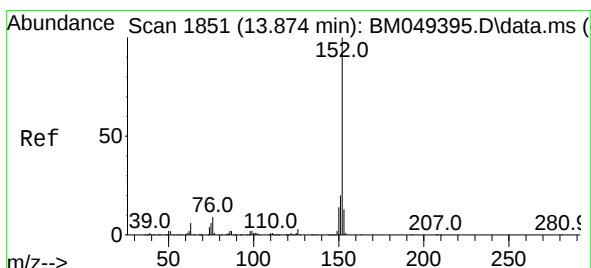
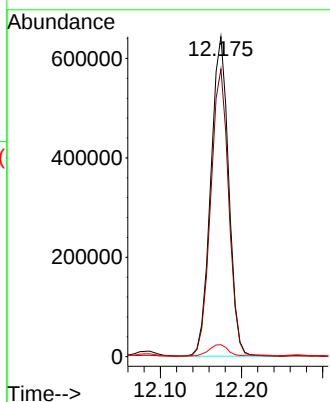
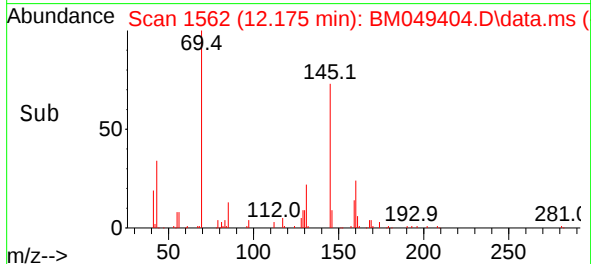
Instrument :
BNA_M
ClientSampleId :
DCZH5



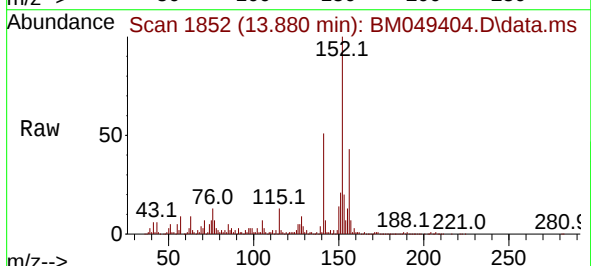
Tgt Ion:142 Resp: 984430
Ion Ratio Lower Upper
142 100
141 89.9 71.9 107.9
116 3.7 2.8 4.2

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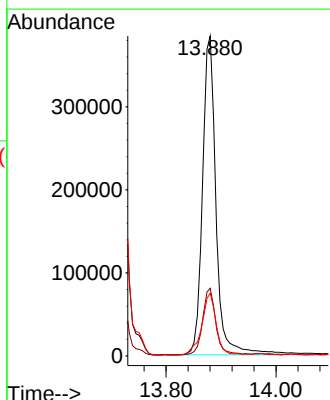
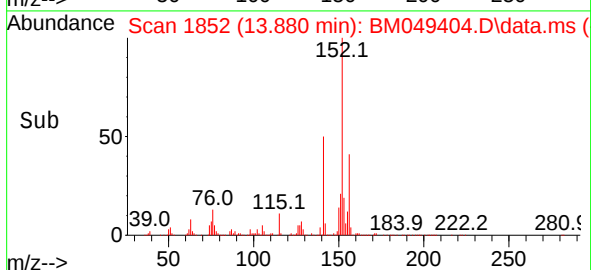
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

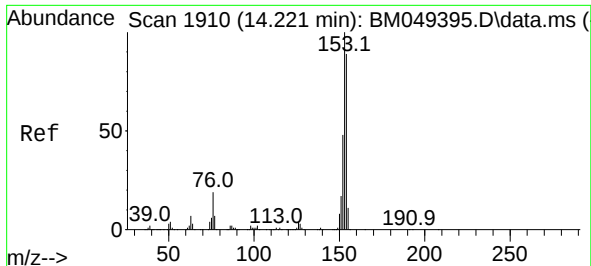


#50
Acenaphthylene
Concen: 7.157 ng/ul
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049404.D
Acq: 23 Jan 2025 05:09



Tgt Ion:152 Resp: 654910
Ion Ratio Lower Upper
152 100
151 21.1 15.8 23.8
153 19.6 10.6 15.8#





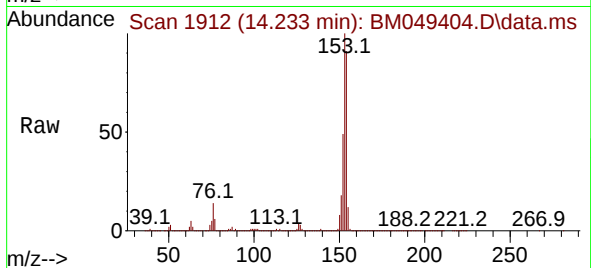
#52
Acenaphthene
Concen: 173.991 ng/ul
RT: 14.233 min Scan# 1912
Delta R.T. 0.006 min
Lab File: BM049404.D
Acq: 23 Jan 2025 05:09

Instrument :

BNA_M

ClientSampleId :

DCZH5



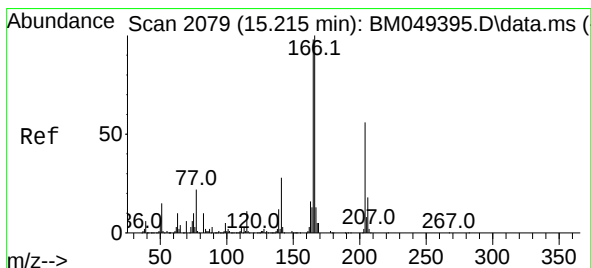
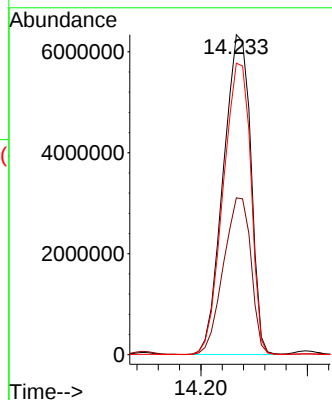
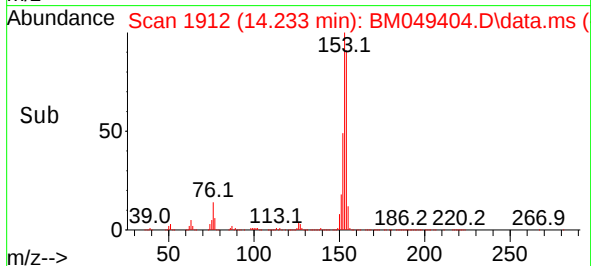
Tgt Ion:153 Resp:1137515
Ion Ratio Lower Upper
153 100
152 49.0 39.0 58.6
154 91.1 71.6 107.4

Manual Integrations

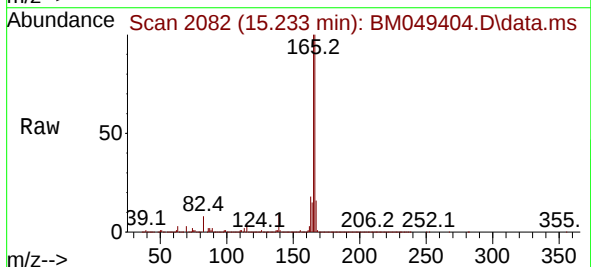
APPROVED

Reviewed By :Yogesh Patel 01/24/2025

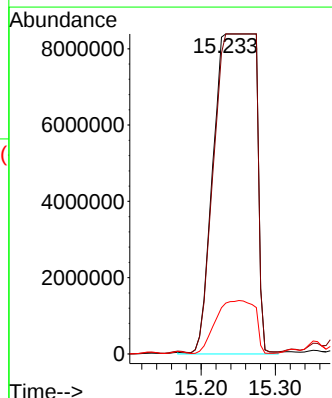
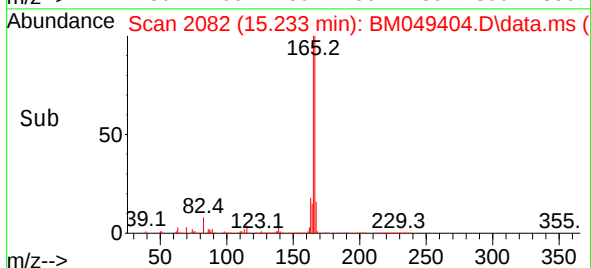
Supervised By :mohammad ahmed 01/24/2025

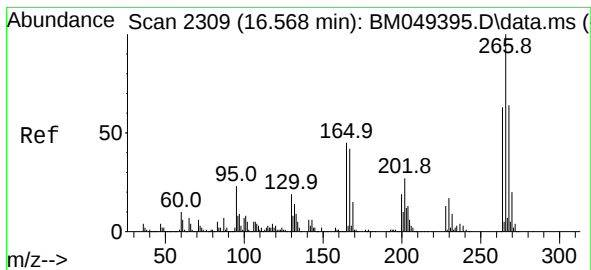


#61
Fluorene
Concen: 437.330 ng/ul m
RT: 15.233 min Scan# 2082
Delta R.T. 0.012 min
Lab File: BM049404.D
Acq: 23 Jan 2025 05:09



Tgt Ion:166 Resp:33173348
Ion Ratio Lower Upper
166 100
165 100.0 77.7 116.5
167 15.9 10.7 16.1





#71

Pentachlorophenol

Concen: 14.584 ng/ul

RT: 16.604 min Scan# 2315

Delta R.T. 0.029 min

Lab File: BM049404.D

Acq: 23 Jan 2025 05:09

Instrument :

BNA_M

ClientSampleId :

DCZH5

Tgt Ion:266 Resp: 196840

Ion Ratio Lower Upper

266 100

264 63.0 48.6 72.8

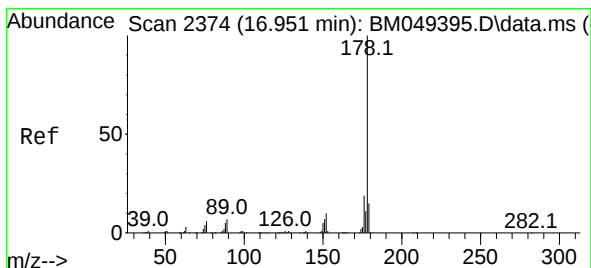
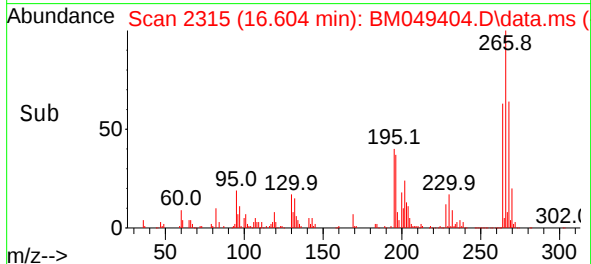
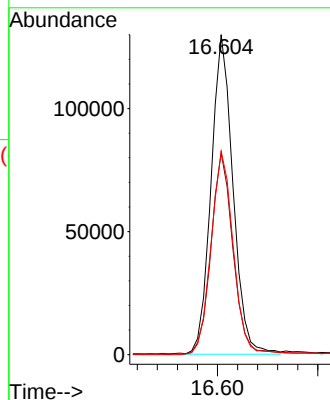
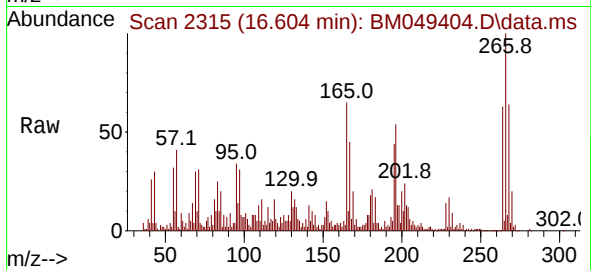
268 63.6 49.4 74.0

Manual Integrations

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Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#72

Phenanthrene

Concen: 556.191 ng/ul m

RT: 16.962 min Scan# 2376

Delta R.T. 0.006 min

Lab File: BM049404.D

Acq: 23 Jan 2025 05:09

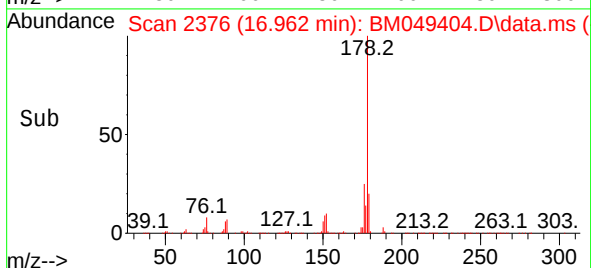
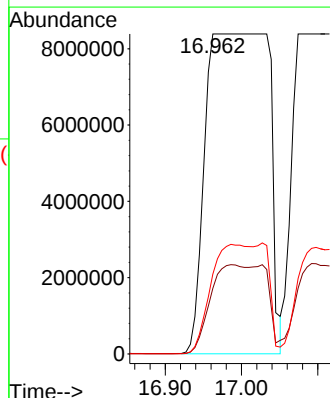
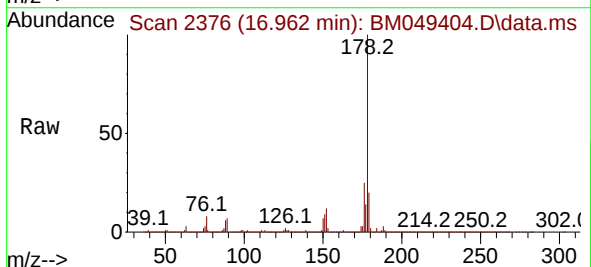
Tgt Ion:178 Resp:47636307

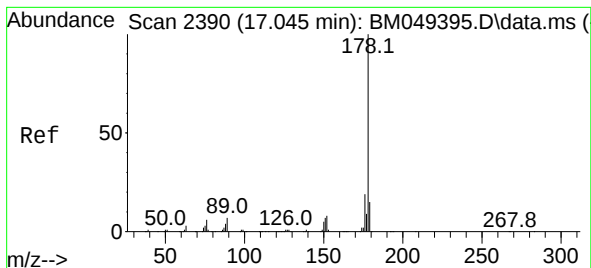
Ion Ratio Lower Upper

178 100

179 20.5 12.6 19.0#

176 24.9 15.4 23.2#





#74

Anthracene

Concen: 745.494 ng/ul m

RT: 17.074 min Scan# 21

Delta R.T. 0.024 min

Lab File: BM049404.D

Acq: 23 Jan 2025 05:09

Instrument :

BNA_M

ClientSampleId :

DCZH5

Tgt Ion:178 Resp:6408816

Ion Ratio Lower Upper

178 100

179 20.5 12.5 18.7

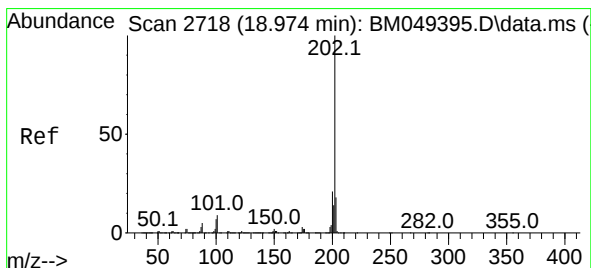
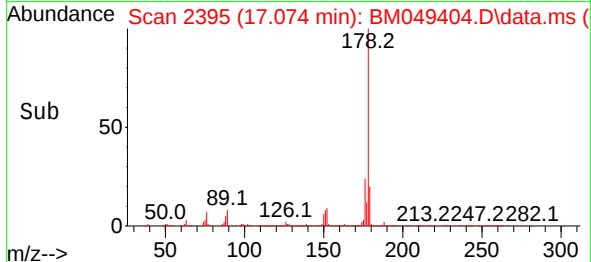
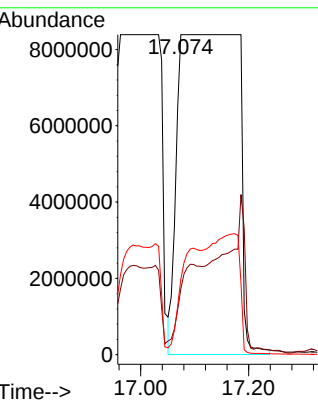
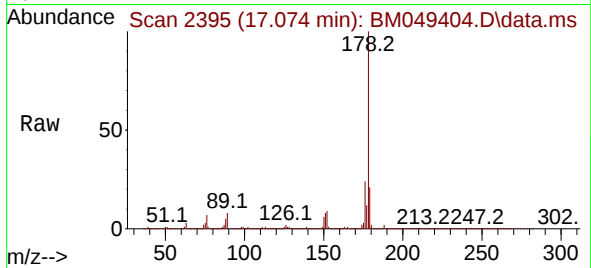
176 23.6 15.1 22.7

Manual Integrations

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Supervised By :mohammad ahmed 01/24/2025



#80

Fluoranthene

Concen: 243.365 ng/ul m

RT: 18.992 min Scan# 2721

Delta R.T. 0.006 min

Lab File: BM049404.D

Acq: 23 Jan 2025 05:09

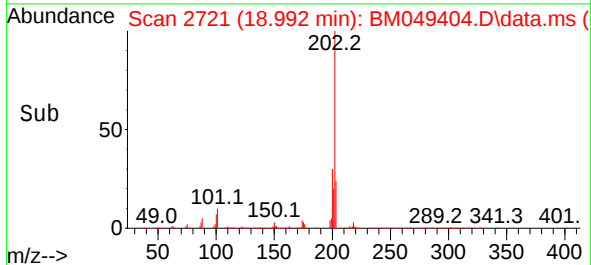
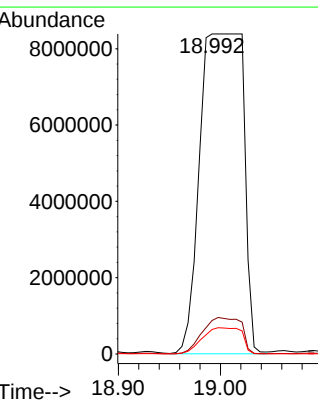
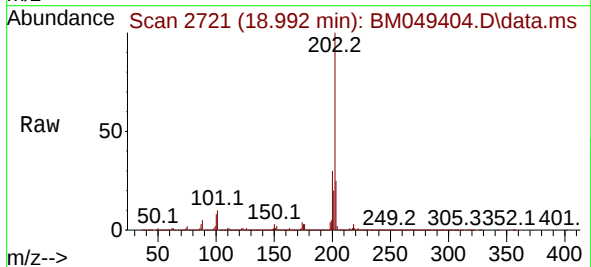
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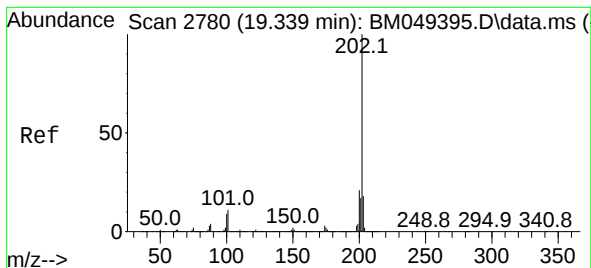
Ion Ratio Lower Upper

202 100

101 10.5 7.0 10.4

100 7.6 5.0 7.6





#82

Pyrene

Concen: 176.064 ng/ul m

RT: 19.356 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049404.D

Acq: 23 Jan 2025 05:09

Instrument :

BNA_M

ClientSampleId :

DCZH5

Tgt Ion:202 Resp:1908751

Ion Ratio Lower Upper

202 100

101 11.6 7.8 11.8

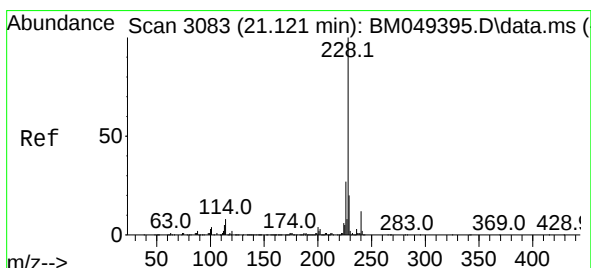
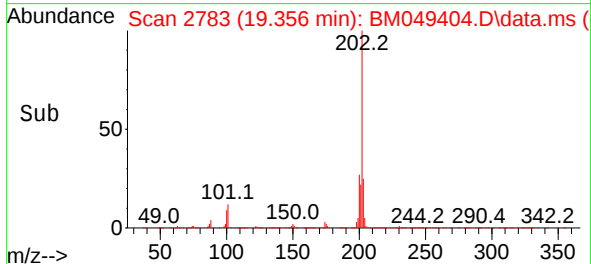
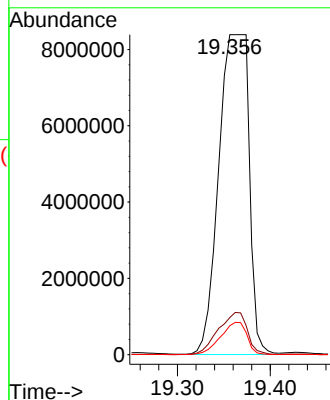
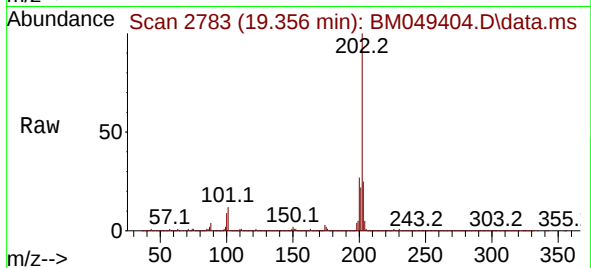
100 9.1 6.6 10.0

Manual Integrations

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Supervised By :mohammad ahmed 01/24/2025



#85

Benzo(a)anthracene

Concen: 76.871 ng/ul

RT: 21.133 min Scan# 3085

Delta R.T. 0.000 min

Lab File: BM049404.D

Acq: 23 Jan 2025 05:09

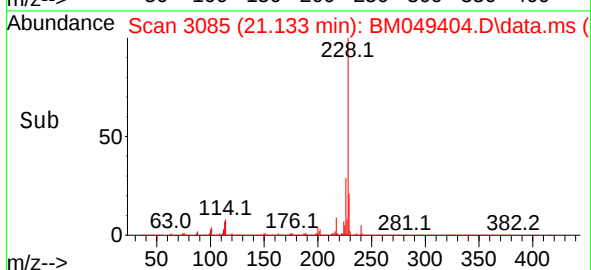
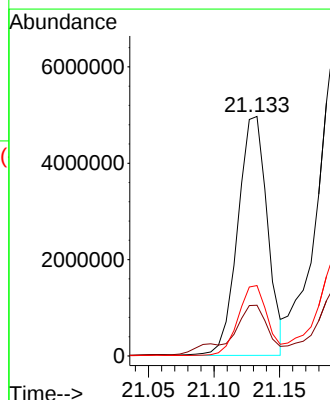
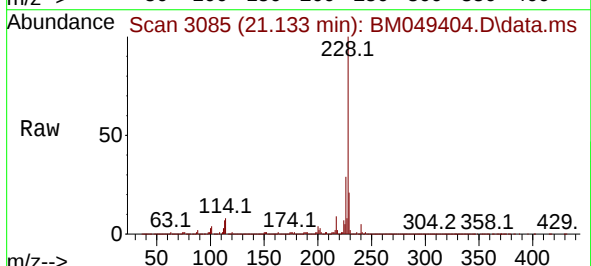
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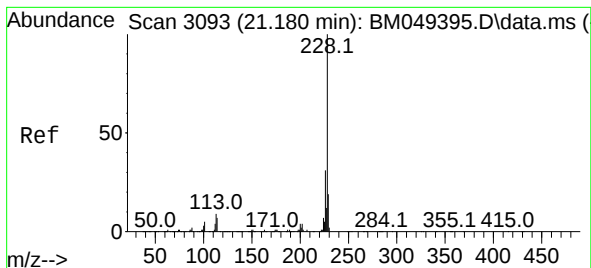
Ion Ratio Lower Upper

228 100

229 21.2 15.8 23.6

226 29.4 22.1 33.1





#87

Chrysene

Concen: 110.141 ng/ul

RT: 21.192 min Scan# 3095

Delta R.T. 0.006 min

Lab File: BM049404.D

Acq: 23 Jan 2025 05:09

Instrument :

BNA_M

ClientSampleId :

DCZH5

Tgt Ion:228 Resp:10205120

Ion Ratio Lower Upper

228 100

226 32.0 24.3 36.5

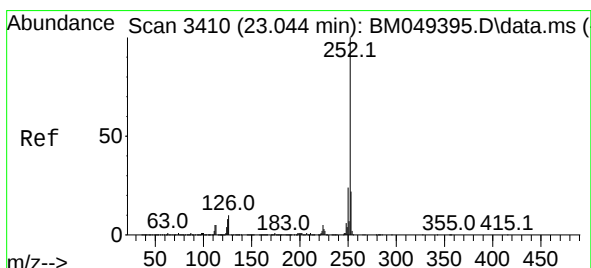
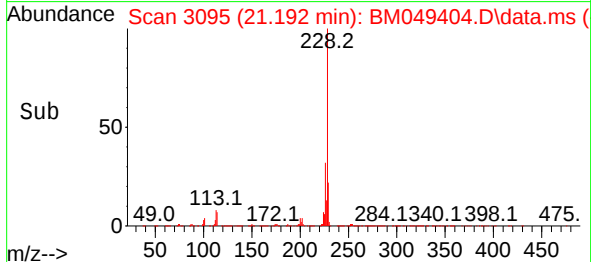
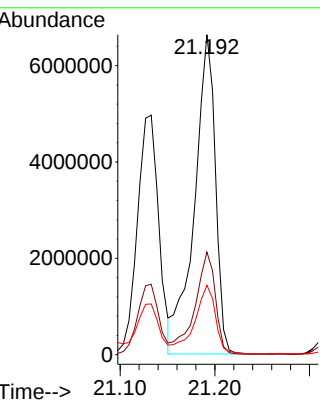
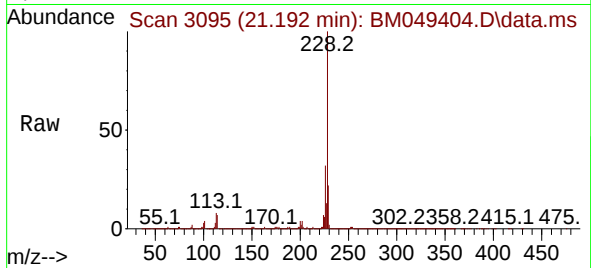
229 21.7 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#90

Benzo(b)fluoranthene

Concen: 61.647 ng/ul

RT: 23.056 min Scan# 3412

Delta R.T. 0.000 min

Lab File: BM049404.D

Acq: 23 Jan 2025 05:09

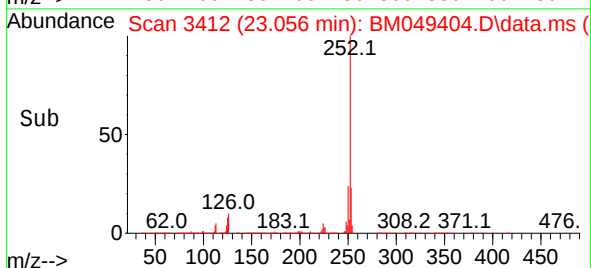
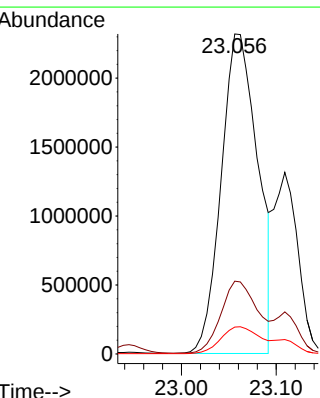
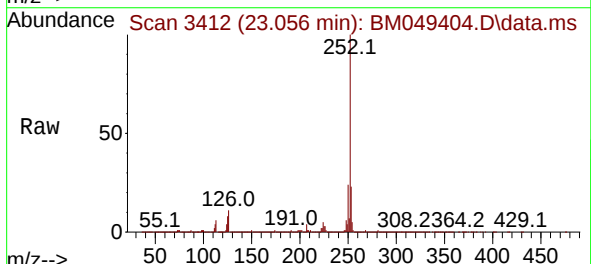
Tgt Ion:252 Resp: 6217703

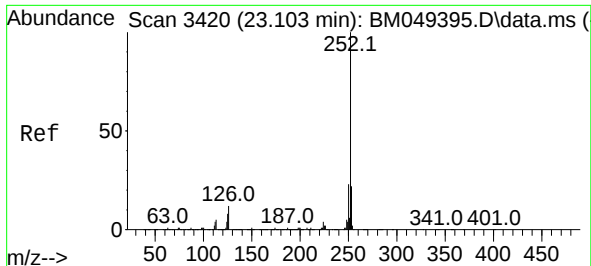
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

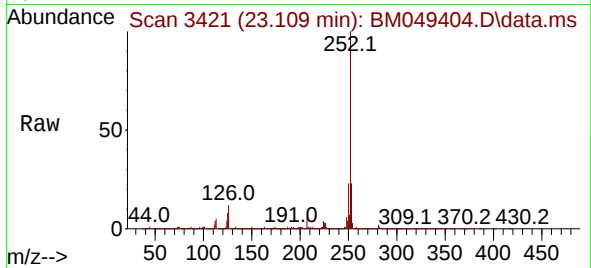
125 8.4 6.6 9.8





#91
Benzo(k)fluoranthene
Concen: 22.953 ng/ul m
RT: 23.109 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049404.D
Acq: 23 Jan 2025 05:09

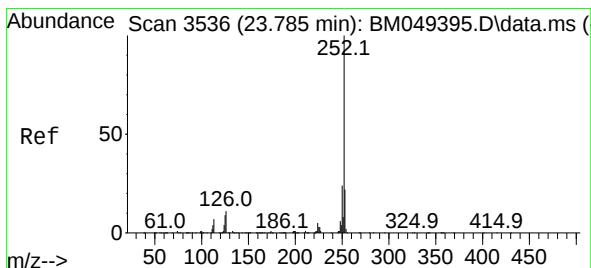
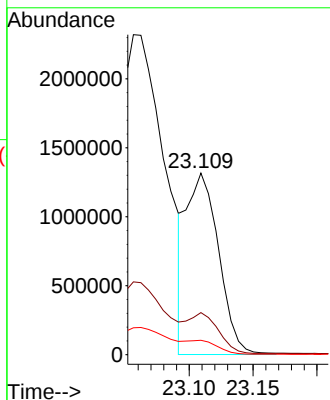
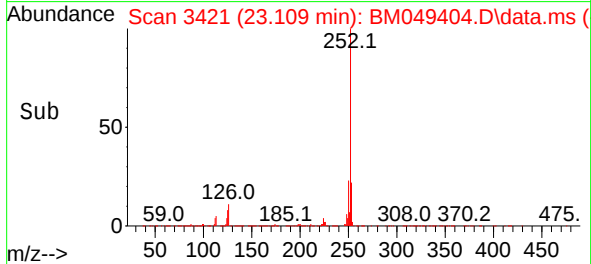
Instrument :
BNA_M
ClientSampleId :
DCZH5



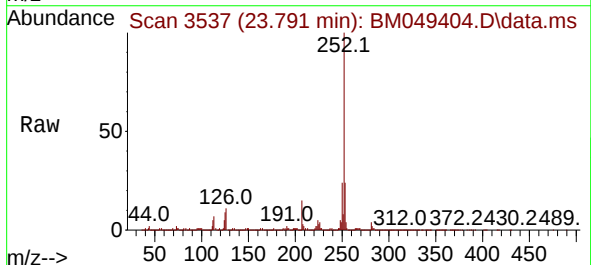
Tgt Ion:252 Resp: 230819
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 8.0 6.5 9.7

Manual Integrations
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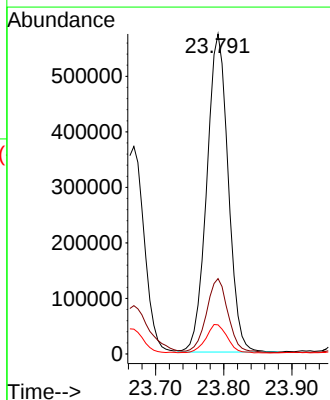
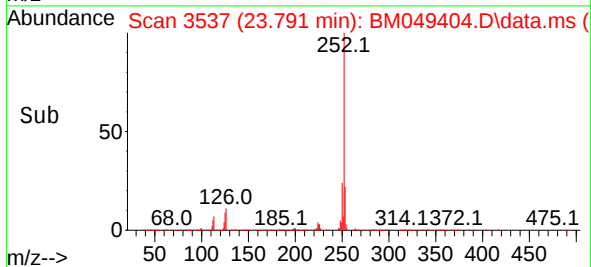
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

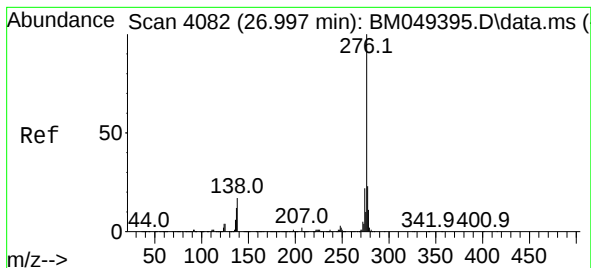


#93
Benzo(a)pyrene
Concen: 13.758 ng/ul
RT: 23.791 min Scan# 3537
Delta R.T. -0.006 min
Lab File: BM049404.D
Acq: 23 Jan 2025 05:09



Tgt Ion:252 Resp: 1253348
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 9.1 6.9 10.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.529 ng/ul

RT: 26.991 min Scan# 4081

Delta R.T. -0.029 min

Lab File: BM049404.D

Acq: 23 Jan 2025 05:09

Instrument :

BNA_M

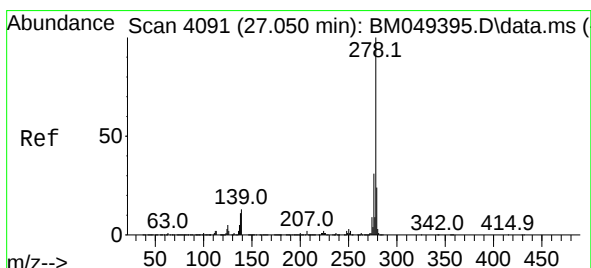
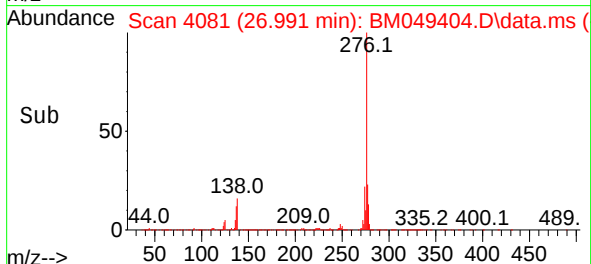
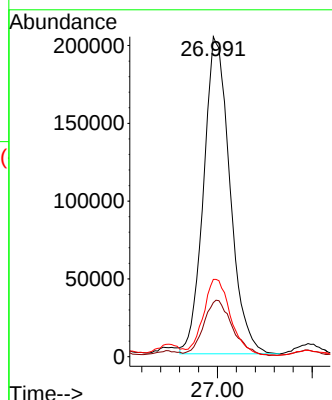
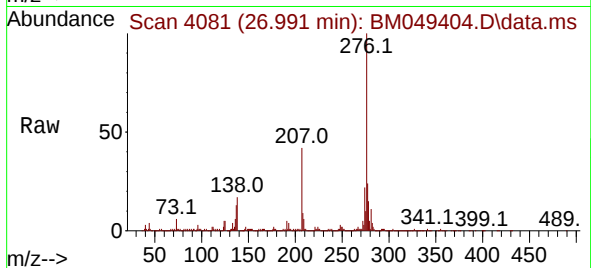
ClientSampleId :

DCZH5

Tgt Ion:276 Resp: 786804
 Ion Ratio Lower Upper
 276 100
 138 16.9 13.4 20.0
 277 24.2 19.1 28.7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/24/2025
 Supervised By :mohammad ahmed 01/24/2025



#95

Dibenzo(a,h)anthracene

Concen: 4.017 ng/ul

RT: 27.032 min Scan# 4088

Delta R.T. -0.041 min

Lab File: BM049404.D

Acq: 23 Jan 2025 05:09

Tgt Ion:278 Resp: 341890
 Ion Ratio Lower Upper
 278 100
 139 13.3 9.9 14.9
 279 26.4 19.4 29.0

