

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049400.D
 Acq On : 23 Jan 2025 02:34
 Operator : RC/JU
 Sample : Q1139-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH3

Manual Integrations
 APPROVED

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

Quant Time: Jan 23 04:14:39 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	426875	20.000	ng/ul	0.00
20) Naphthalene-d8	10.298	136	1573064	20.000	ng/ul	0.01
38) Acenaphthene-d10	14.163	164	1091925	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.945	188	1576194	20.000	ng/ul	0.03
79) Chrysene-d12	21.157	240	1305124	20.000	ng/ul	0.01
88) Perylene-d12	23.927	264	1371858	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	25316	2.454	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	6.716	99	511474	14.273	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	341955	14.331	ng/ul	0.00
11) 2-Chlorophenol-d4	7.058	132	407338	14.860	ng/ul	0.00
15) 4-Methylphenol-d8	8.234	113	412048	14.828	ng/ul	0.00
21) Nitrobenzene-d5	8.663	128	202702	16.898	ng/ul	0.00
24) 2-Nitrophenol-d4	9.381	143	224145	16.715	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.928	165	456210	16.672	ng/ul	0.01
31) 4-Chloroaniline-d4	10.434	131	133494	3.707	ng/ul	0.00
46) Dimethylphthalate-d6	13.586	166	1206303	14.843	ng/ul	0.00
49) Acenaphthylene-d8	13.851	160	1365770	14.721	ng/ul	0.00
54) 4-Nitrophenol-d4	14.404	143	156835m	11.654	ng/ul	0.01
60) Fluorene-d10	15.163	176	1021979	14.556	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.333	200	42222	4.203	ng/ul	0.04
73) Anthracene-d10	17.051	188	1367610	17.552	ng/ul	0.04
81) Pyrene-d10	19.333	212	1114281	14.029	ng/ul	0.01
92) Benzo(a)pyrene-d12	23.739	264	612404	8.316	ng/ul	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.340	128	46666060m	558.988	ng/ul	
36) 2-Methylnaphthalene	11.975	142	23570968m	394.563	ng/ul	
37) 1-Methylnaphthalene	12.198	142	13564748	228.210	ng/ul	100
50) Acenaphthylene	13.881	152	1572659	16.534	ng/ul#	92
52) Acenaphthene	14.251	153	20742764	305.231	ng/ul	98
61) Fluorene	15.233	166	19041035	241.492	ng/ul#	97
71) Pentachlorophenol	16.604	266	77162	5.588	ng/ul	100
72) Phenanthrene	16.963	178	45740124m	521.988	ng/ul	
74) Anthracene	17.080	178	12793229	145.453	ng/ul#	89
80) Fluoranthene	18.986	202	36534789m	400.295	ng/ul	
82) Pyrene	19.357	202	26464244m	272.394	ng/ul	
85) Benzo(a)anthracene	21.139	228	16902668	185.840	ng/ul#	84
87) Chrysene	21.204	228	14879983	179.206	ng/ul#	89
90) Benzo(b)fluoranthene	23.080	252	13319360	145.055	ng/ul	98
91) Benzo(k)fluoranthene	23.127	252	4497221	49.121	ng/ul	97
93) Benzo(a)pyrene	23.803	252	2666402	32.149	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.015	276	1878234	19.742	ng/ul	98
95) Dibenzo(a,h)anthracene	27.044	278	854131	11.022	ng/ul	98
96) Benzo(g,h,i)perylene	27.974	276	197896m	2.786	ng/ul	

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

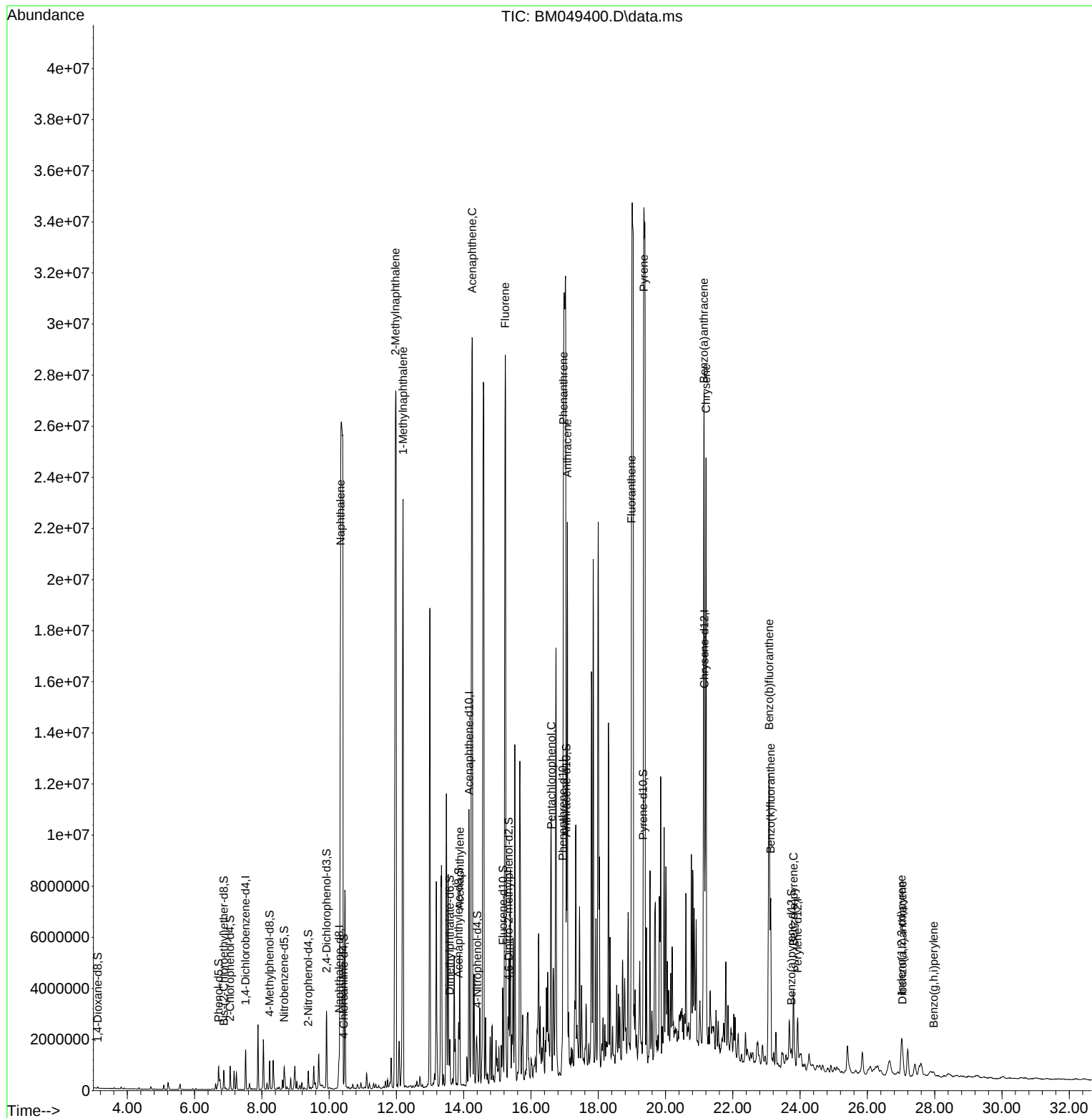
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049400.D
Acq On : 23 Jan 2025 02:34
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ALS Vial : 22 Sample Multiplier: 1

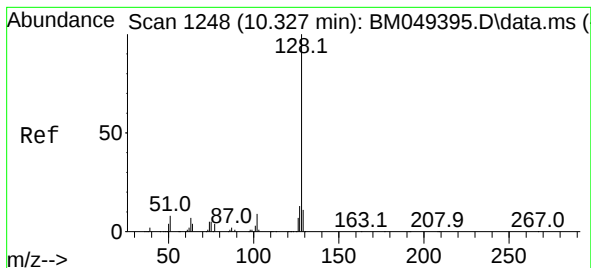
Instrument :
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Quant Time: Jan 23 04:14:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

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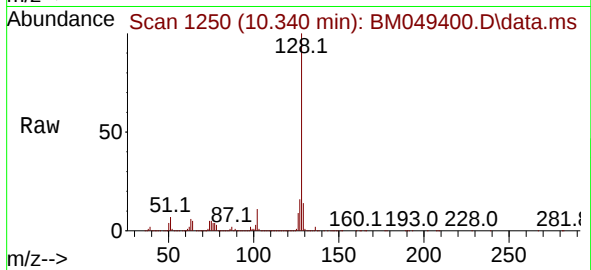
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025





#30
Naphthalene
Concen: 558.988 ng/ul m
RT: 10.340 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34

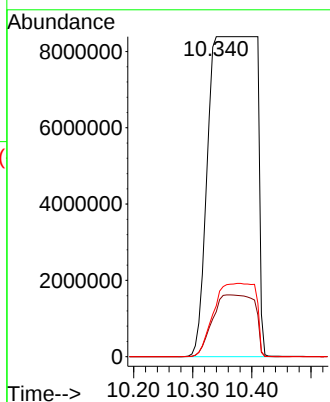
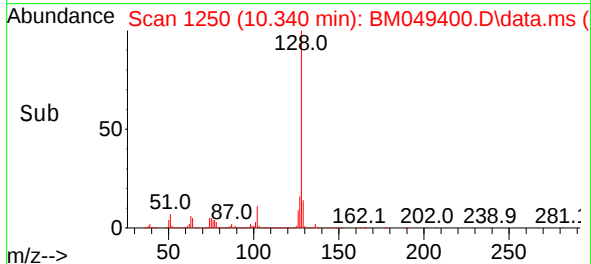
Instrument :
BNA_M
ClientSampleId :
DCZH3



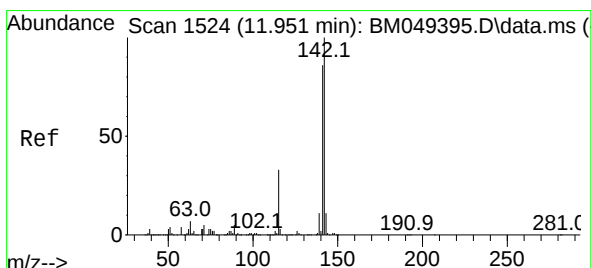
Tgt Ion:128 Resp:4666606
Ion Ratio Lower Upper
128 100
129 14.1 8.5 12.7
127 15.9 10.2 15.2

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Supervised By :mohammad ahmed 01/24/2025

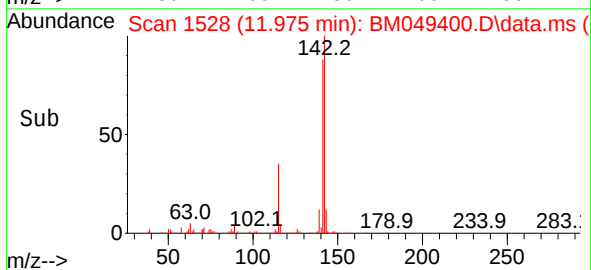
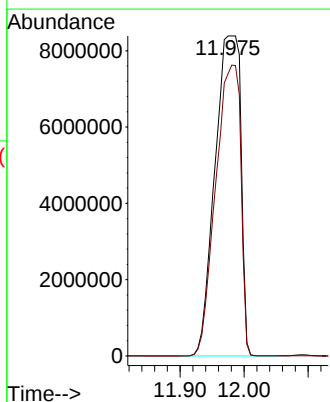
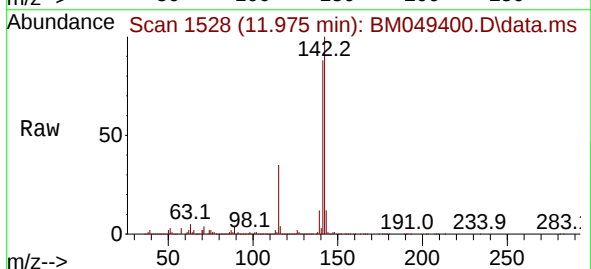


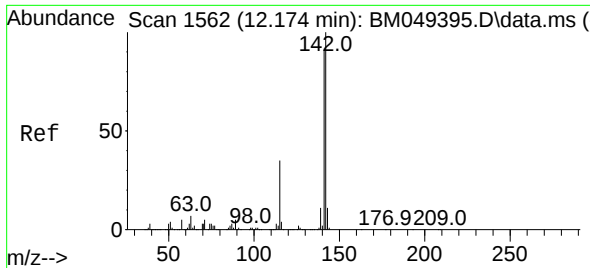
Supervised By :mohammad
ahmed
01/24/2025



#36
2-Methylnaphthalene
Concen: 394.563 ng/ul m
RT: 11.975 min Scan# 1528
Delta R.T. 0.018 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34

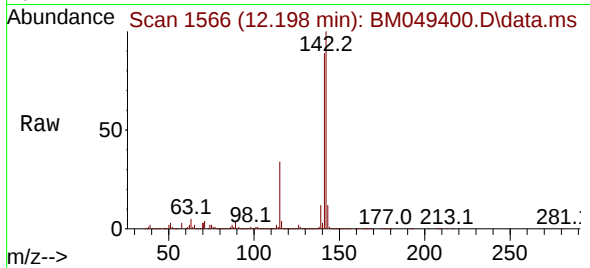
Tgt Ion:142 Resp:23570968
Ion Ratio Lower Upper
142 100
141 88.3 69.6 104.4





#37
1-Methylnaphthalene
Concen: 228.210 ng/ul
RT: 12.198 min Scan# 1566
Delta R.T. 0.018 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34

Instrument :
BNA_M
ClientSampleId :
DCZH3

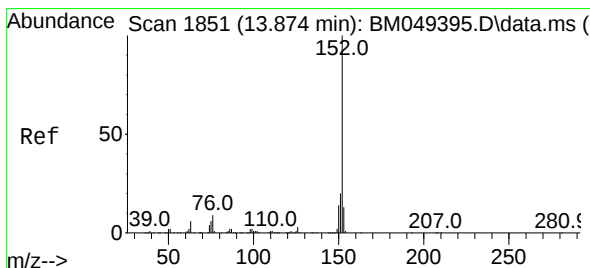
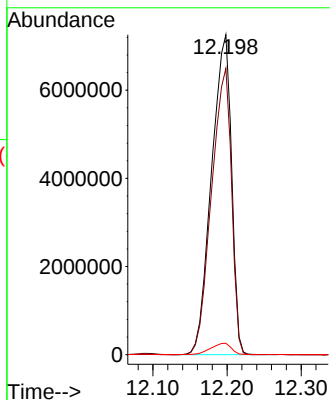
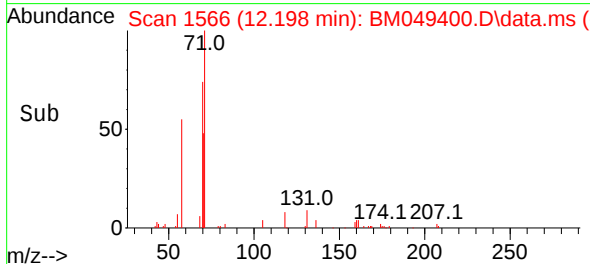


Tgt Ion:142 Resp:13564748
Ion Ratio Lower Upper
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141 89.5 71.9 107.9
116 3.5 2.8 4.2

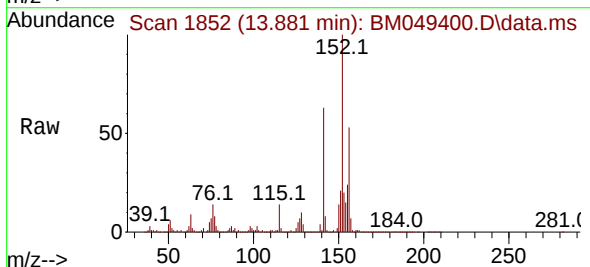
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Supervised By :mohammad ahmed 01/24/2025

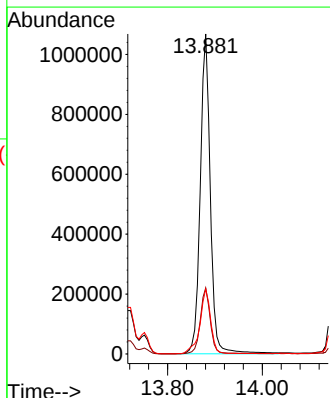
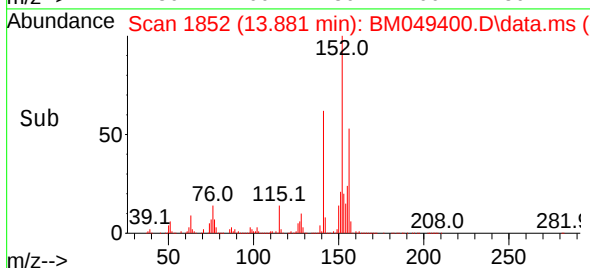
Supervised By :mohammad
ahmed
01/24/2025

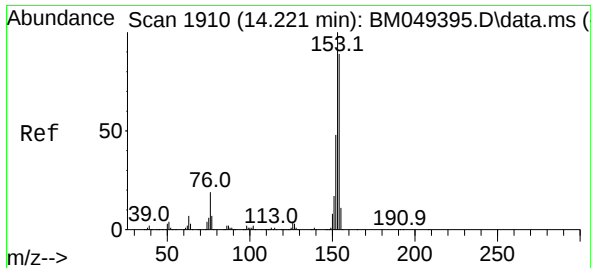


#50
Acenaphthylene
Concen: 16.534 ng/ul
RT: 13.881 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34



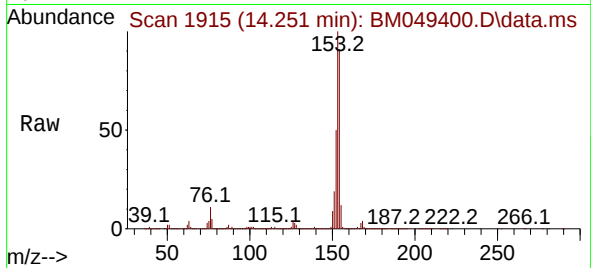
Tgt Ion:152 Resp: 1572659
Ion Ratio Lower Upper
152 100
151 20.6 15.8 23.8
153 20.3 10.6 15.8#





#52
Acenaphthene
Concen: 305.231 ng/ul
RT: 14.251 min Scan# 1915
Delta R.T. 0.024 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34

Instrument :
BNA_M
ClientSampleId :
DCZH3

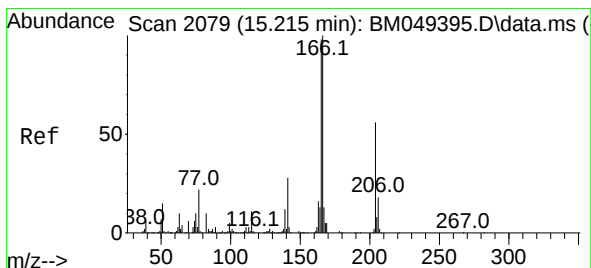
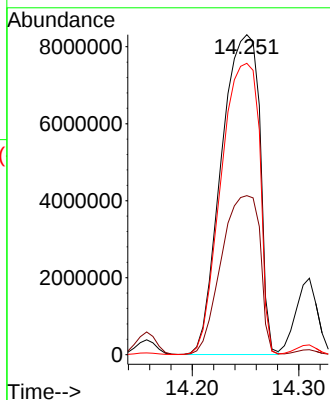
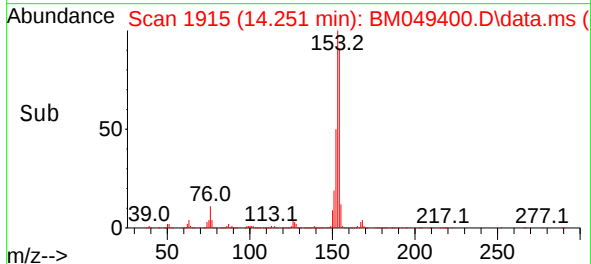


Tgt Ion:153 Resp:2074276
Ion Ratio Lower Upper
153 100
152 49.7 39.0 58.6
154 91.1 71.6 107.4

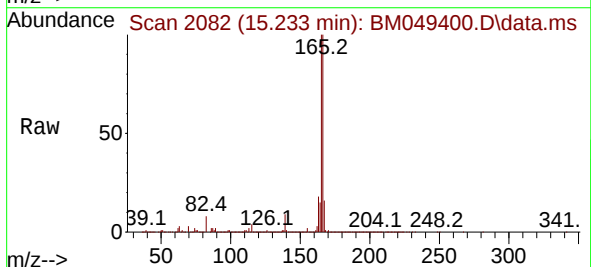
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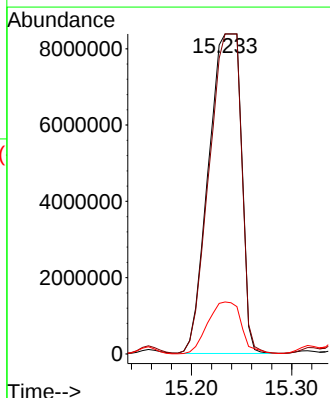
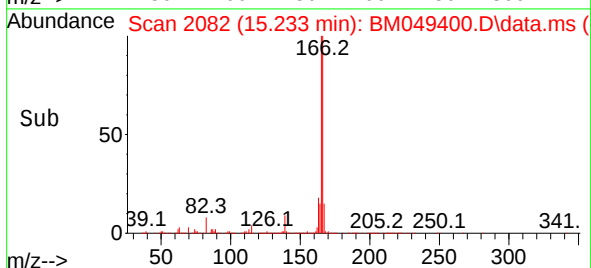
Supervised By :mohammad
ahmed
01/24/2025

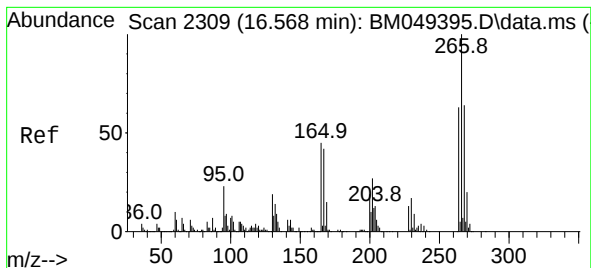


#61
Fluorene
Concen: 241.492 ng/ul
RT: 15.233 min Scan# 2082
Delta R.T. 0.012 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34



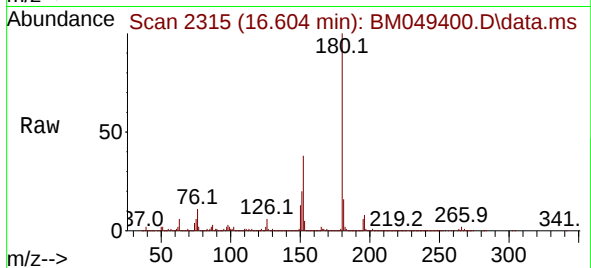
Tgt Ion:166 Resp:19041035
Ion Ratio Lower Upper
166 100
165 100.0 77.7 116.5
167 16.3 10.7 16.1#





#71
Pentachlorophenol
Concen: 5.588 ng/ul
RT: 16.604 min Scan# 2315
Delta R.T. 0.030 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34

Instrument :
BNA_M
ClientSampleId :
DCZH3

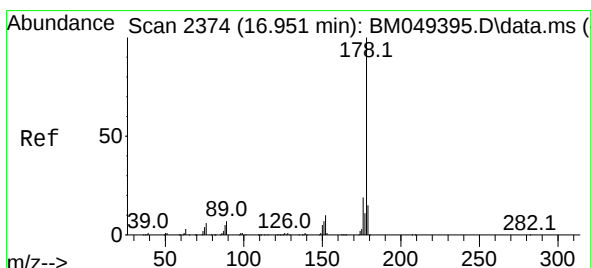
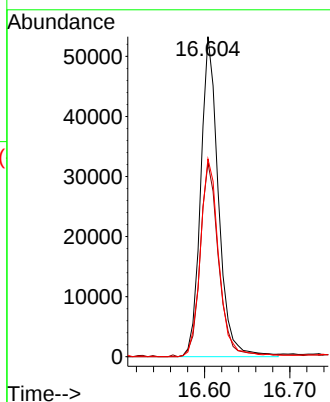
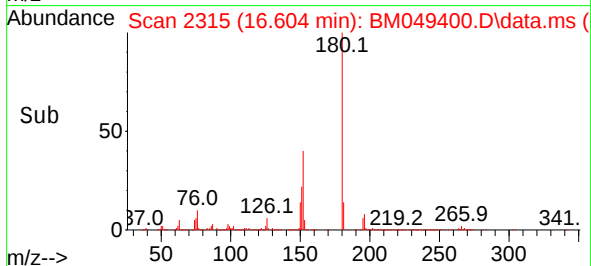


Tgt Ion:266 Resp: 77162
Ion Ratio Lower Upper
266 100
264 60.5 48.6 72.8
268 61.8 49.4 74.0

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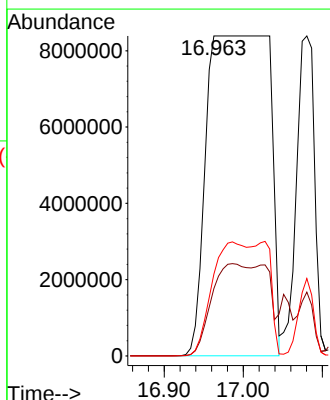
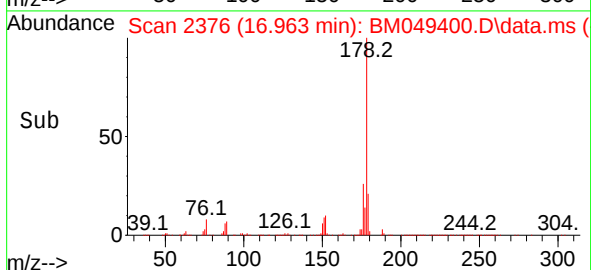
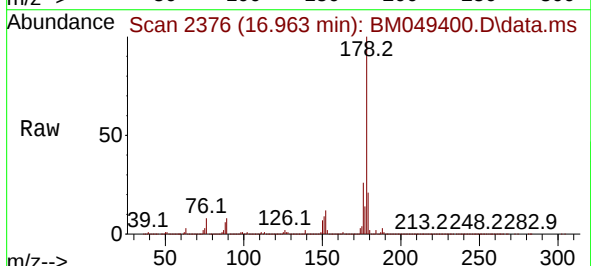
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

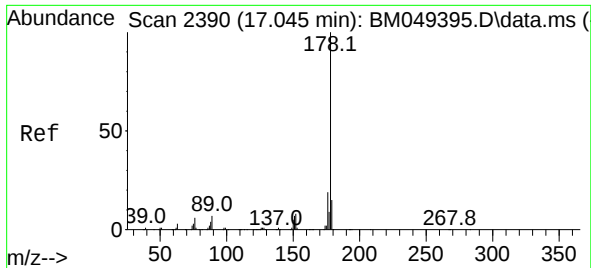
Supervised By :mohammad
ahmed
01/24/2025



#72
Phenanthrene
Concen: 521.988 ng/ul m
RT: 16.963 min Scan# 2376
Delta R.T. 0.006 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34

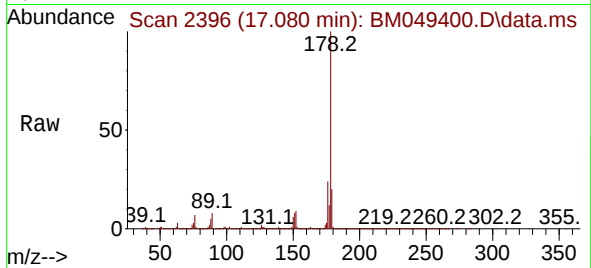
Tgt Ion:178 Resp:45740124
Ion Ratio Lower Upper
178 100
179 21.1 12.6 19.0#
176 25.5 15.4 23.2#





#74
 Anthracene
 Concen: 145.453 ng/ul
 RT: 17.080 min Scan# 24
 Delta R.T. 0.030 min
 Lab File: BM049400.D
 Acq: 23 Jan 2025 02:34

Instrument :
 BNA_M
 ClientSampleId :
 DCZH3

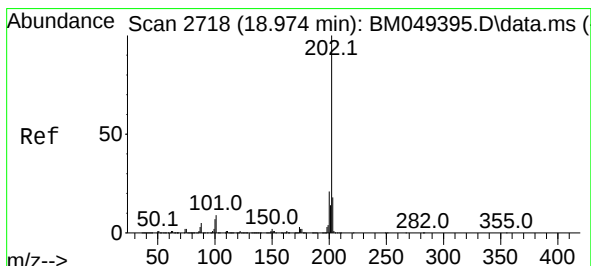
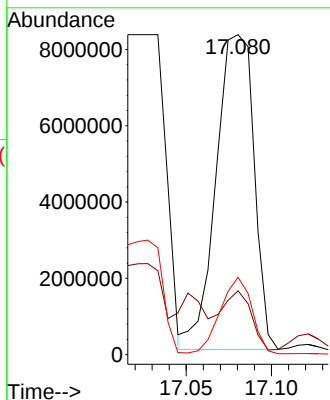
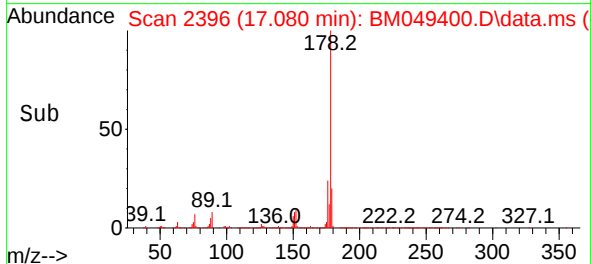


Tgt Ion:178 Resp:12793229
 Ion Ratio Lower Upper
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 179 20.0 12.5 18.7
 176 24.2 15.1 22.7

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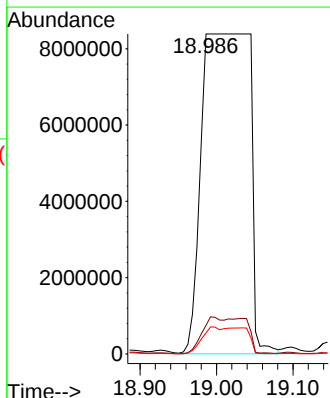
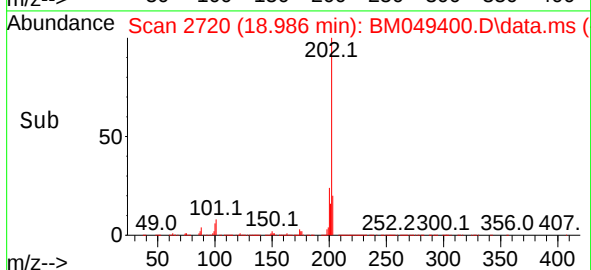
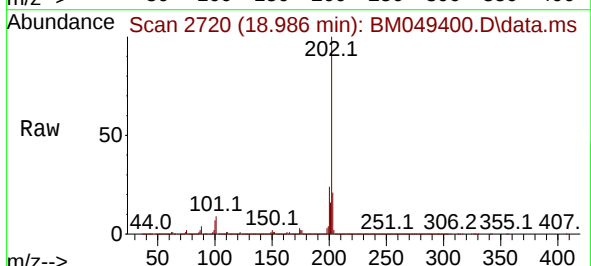
Reviewed By :Yogesh Patel 01/24/2025
 Supervised By :mohammad ahmed 01/24/2025

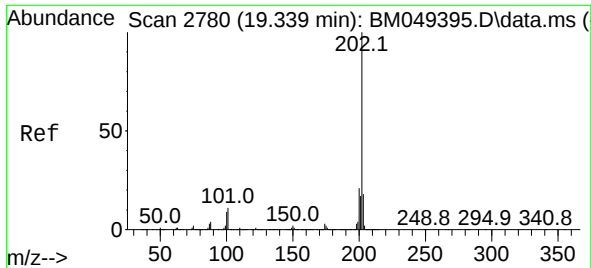
Supervised By :mohammad
 ahmed
 01/24/2025



#80
 Fluoranthene
 Concen: 400.295 ng/ul m
 RT: 18.986 min Scan# 2720
 Delta R.T. 0.000 min
 Lab File: BM049400.D
 Acq: 23 Jan 2025 02:34

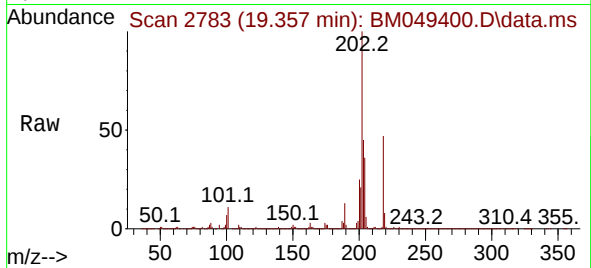
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 Ion Ratio Lower Upper
 202 100
 101 9.0 7.0 10.4
 100 6.6 5.0 7.6





#82
Pyrene
Concen: 272.394 ng/ul m
RT: 19.357 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34

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ClientSampleId :
DCZH3

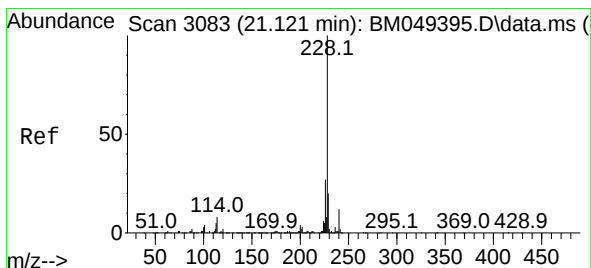
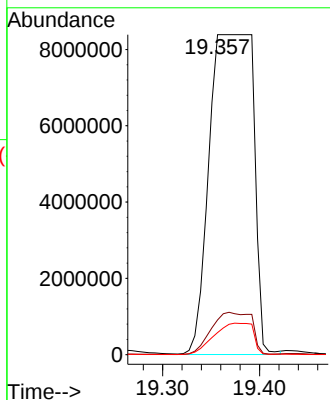
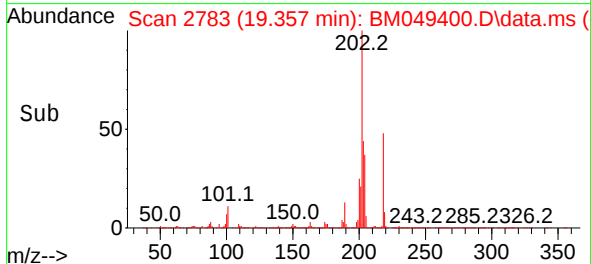


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Ion Ratio Lower Upper
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100 6.9 6.6 10.0

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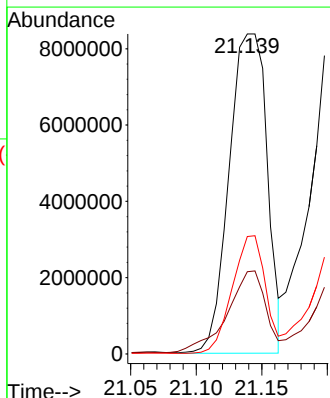
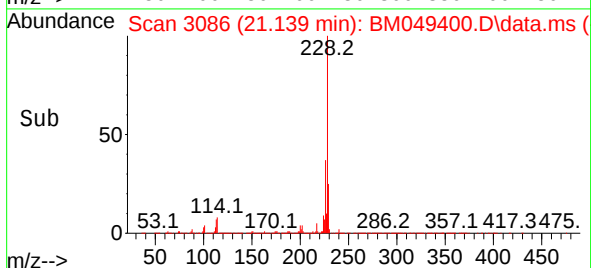
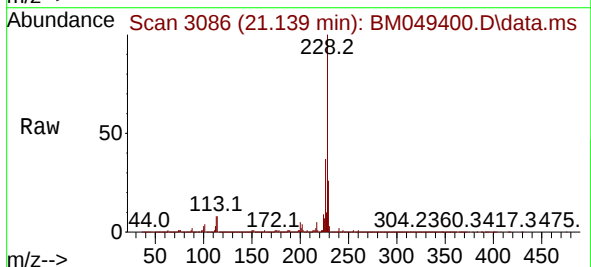
Reviewed By :Yogesh Patel 01/24/2025
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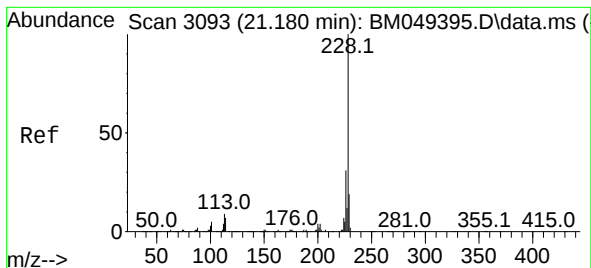
Supervised By :mohammad
ahmed
01/24/2025



#85
Benzo(a)anthracene
Concen: 185.840 ng/ul
RT: 21.139 min Scan# 3086
Delta R.T. 0.006 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34

Tgt Ion:228 Resp:16902668
Ion Ratio Lower Upper
228 100
229 25.7 15.8 23.6#
226 36.7 22.1 33.1#





#87

Chrysene

Concen: 179.206 ng/ul

RT: 21.204 min Scan# 3097

Delta R.T. 0.018 min

Lab File: BM049400.D

Acq: 23 Jan 2025 02:34

Instrument :

BNA_M

ClientSampleId :

DCZH3

Tgt Ion:228 Resp:1487998

Ion Ratio Lower Upper

228 100

226 36.5 24.3 36.5

229 24.9 16.0 24.0

Manual Integrations

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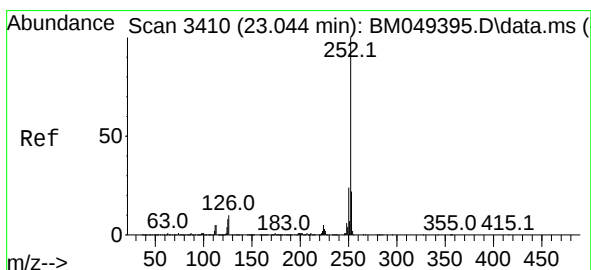
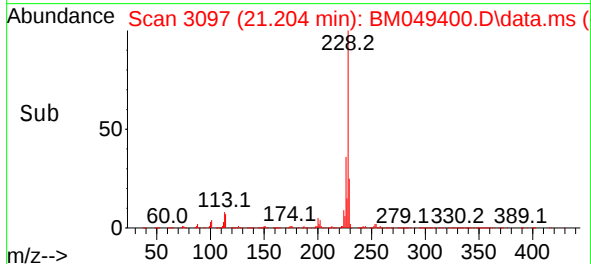
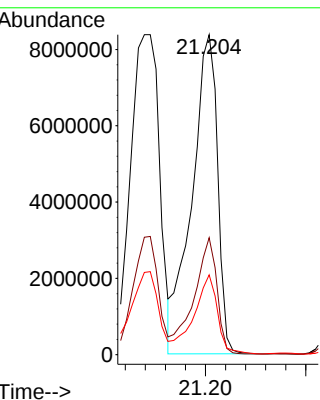
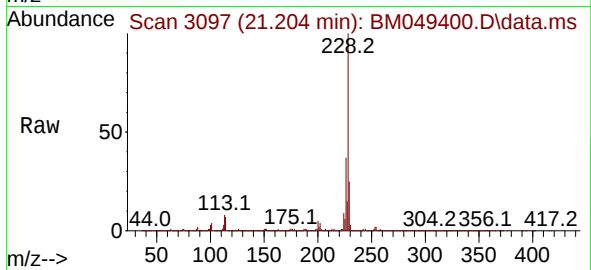
Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad

ahmed

01/24/2025



#90

Benzo(b)fluoranthene

Concen: 145.055 ng/ul

RT: 23.080 min Scan# 3416

Delta R.T. 0.024 min

Lab File: BM049400.D

Acq: 23 Jan 2025 02:34

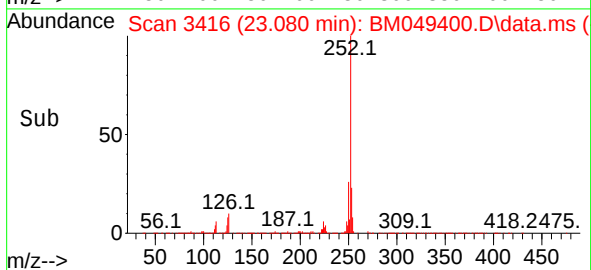
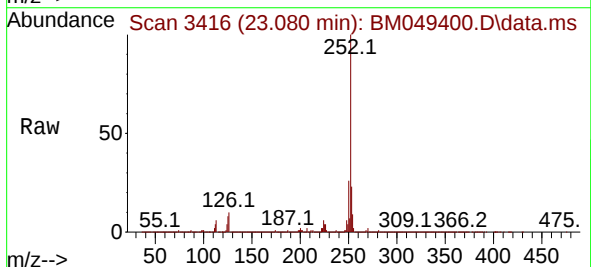
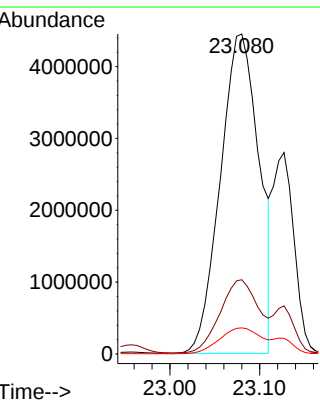
Tgt Ion:252 Resp:13319360

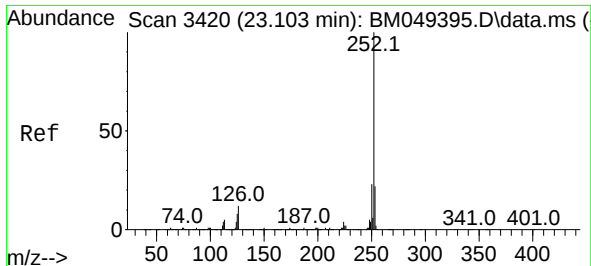
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

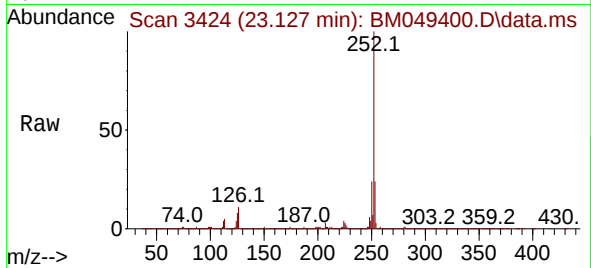
125 8.2 6.6 9.8





#91
Benzo(k)fluoranthene
Concen: 49.121 ng/ul
RT: 23.127 min Scan# 3420
Delta R.T. 0.012 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34

Instrument :
BNA_M
ClientSampleId :
DCZH3

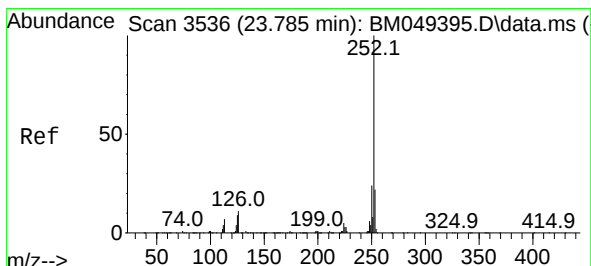
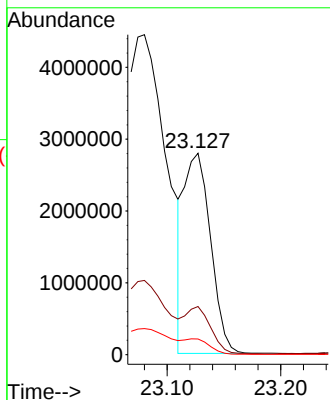
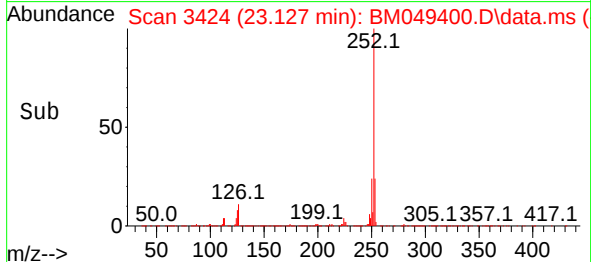


Tgt Ion:252 Resp: 449722
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 7.8 6.5 9.7

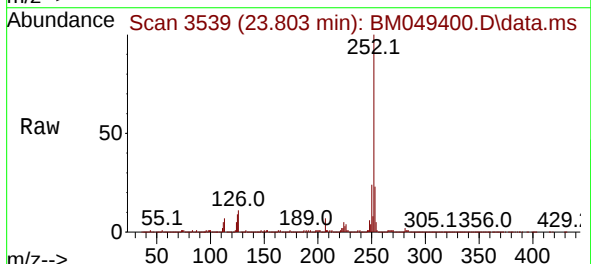
Manual Integrations
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Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

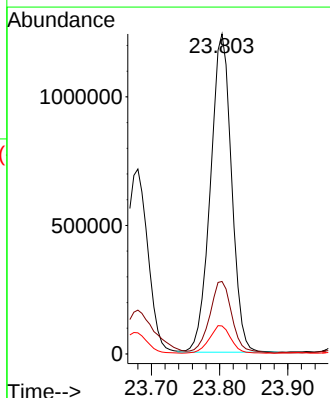
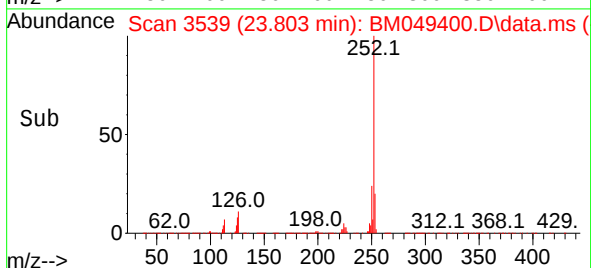
Supervised By :mohammad
ahmed
01/24/2025

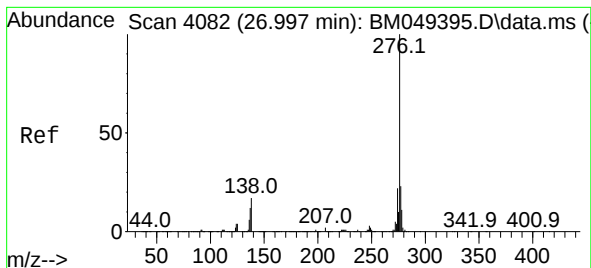


#93
Benzo(a)pyrene
Concen: 32.149 ng/ul
RT: 23.803 min Scan# 3539
Delta R.T. 0.006 min
Lab File: BM049400.D
Acq: 23 Jan 2025 02:34



Tgt Ion:252 Resp: 2666402
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 8.7 6.9 10.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 19.742 ng/ul

RT: 27.015 min Scan# 4085

Delta R.T. -0.006 min

Lab File: BM049400.D

Acq: 23 Jan 2025 02:34

Instrument :

BNA_M

ClientSampleId :

DCZH3

Tgt Ion:276 Resp: 187823

Ion Ratio Lower Upper

276 100

138 18.3 13.4 20.0

277 24.6 19.1 28.7

Manual Integrations

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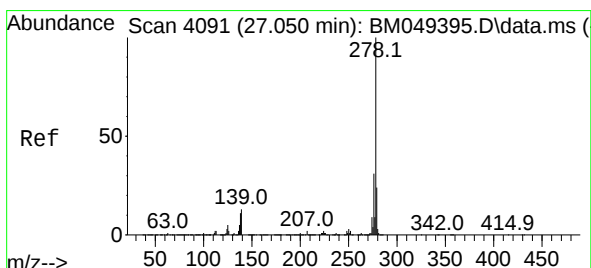
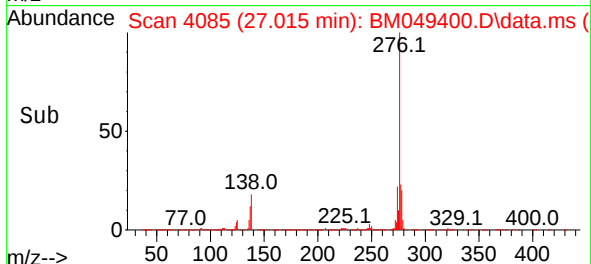
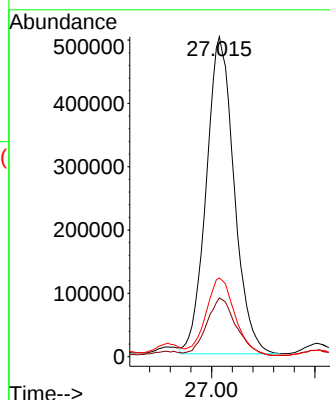
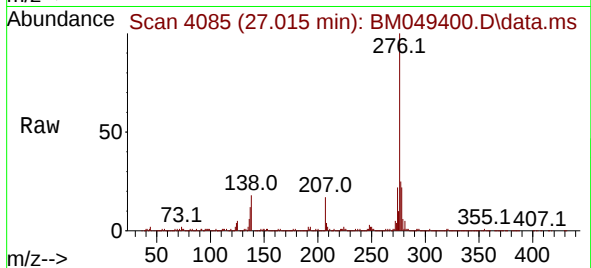
Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad

ahmed

01/24/2025



#95

Dibenzo(a,h)anthracene

Concen: 11.022 ng/ul

RT: 27.044 min Scan# 4090

Delta R.T. -0.029 min

Lab File: BM049400.D

Acq: 23 Jan 2025 02:34

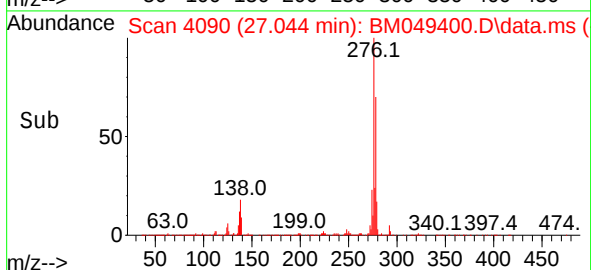
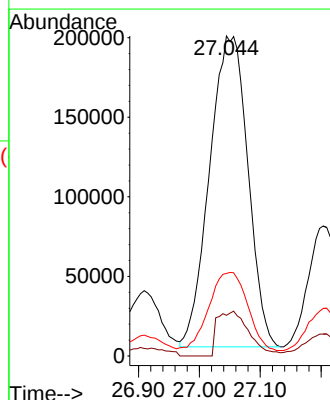
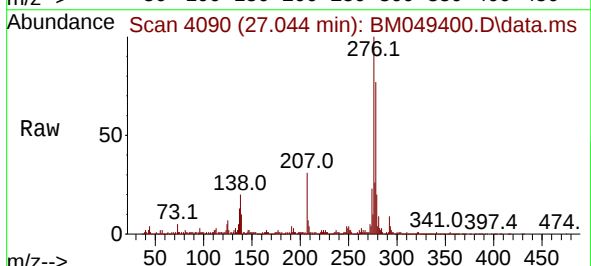
Tgt Ion:278 Resp: 854131

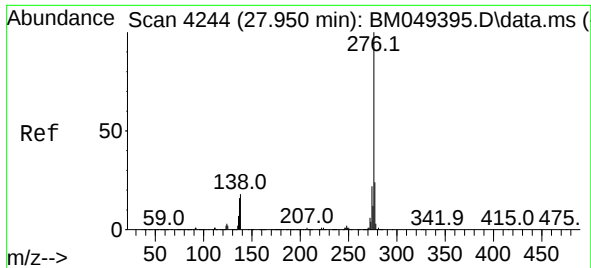
Ion Ratio Lower Upper

278 100

139 12.7 9.9 14.9

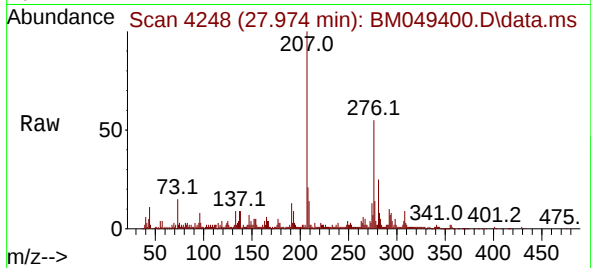
279 25.8 19.4 29.0





#96
 Benzo(g,h,i)perylene
 Concen: 2.786 ng/ul m
 RT: 27.974 min Scan# 4248
 Delta R.T. -0.006 min
 Lab File: BM049400.D
 Acq: 23 Jan 2025 02:34

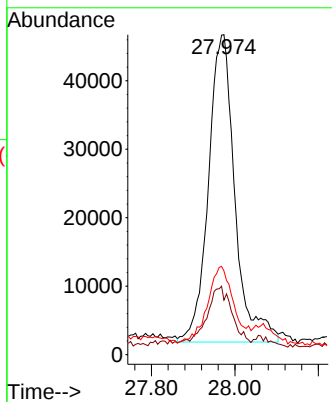
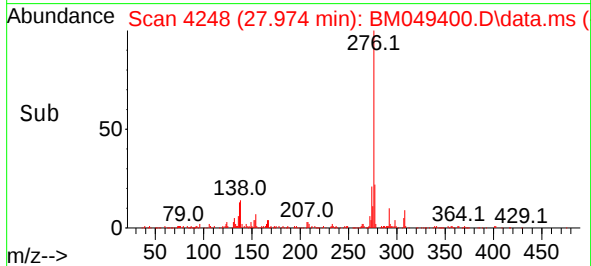
Instrument :
 BNA_M
 ClientSampleId :
 DCZH3



Tgt Ion:276 Resp: 197890
 Ion Ratio Lower Upper
 276 100
 138 17.1 14.1 21.1
 277 26.1 19.4 29.0

Manual Integrations
 APPROVED

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



Supervised By :mohammad
 ahmed
 01/24/2025