

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049403.D
 Acq On : 23 Jan 2025 04:31
 Operator : RC/JU
 Sample : Q1139-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH8

Manual Integrations
 APPROVED

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

Quant Time: Jan 23 05:04:26 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	380279	20.000	ng/ul	0.00
20) Naphthalene-d8	10.280	136	1401990	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.157	164	850826	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.915	188	1444111	20.000	ng/ul	0.00
79) Chrysene-d12	21.144	240	1297024	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264	1325401	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	42806	4.657	ng/uL	0.00
4) Pyridine-d5	3.510	84	613830	20.979	ng/ul	0.00
7) Phenol-d5	6.716	99	763484	23.917	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	502040	23.619	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	618767	25.338	ng/ul	0.00
15) 4-Methylphenol-d8	8.234	113	574800	23.220	ng/ul	0.00
21) Nitrobenzene-d5	8.663	128	284961	26.654	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	324711	27.169	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	592528	24.296	ng/ul	0.00
31) 4-Chloroaniline-d4	10.422	131	654397	20.392	ng/ul	0.00
46) Dimethylphthalate-d6	13.580	166	1545600	24.407	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	1805632	24.977	ng/ul	0.00
54) 4-Nitrophenol-d4	14.392	143	186522	17.787	ng/ul	0.00
60) Fluorene-d10	15.157	176	1265350	23.130	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.298	200	74921	8.141	ng/ul	0.00
73) Anthracene-d10	17.015	188	1702322	23.846	ng/ul	0.00
81) Pyrene-d10	19.321	212	1848508	23.418	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.733	264	1618922	22.754	ng/ul	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.328	128	1611739	21.662	ng/ul	100
36) 2-Methylnaphthalene	11.951	142	127245	2.390	ng/ul	99
37) 1-Methylnaphthalene	12.174	142	217179	4.100	ng/ul	99
50) Acenaphthylene	13.874	152	324686	4.381	ng/ul#	93
52) Acenaphthene	14.227	153	5401634	102.009	ng/ul	99
61) Fluorene	15.221	166	6270975	102.070	ng/ul	98
72) Phenanthrene	16.962	178	17081212m	212.760	ng/ul	
74) Anthracene	17.051	178	10033368	124.509	ng/ul	98
80) Fluoranthene	18.986	202	23140615m	255.125	ng/ul	
82) Pyrene	19.350	202	20788230m	215.308	ng/ul	
85) Benzo(a)anthracene	21.133	228	7515372	83.146	ng/ul	97
87) Chrysene	21.192	228	7390800	89.566	ng/ul	98
90) Benzo(b)fluoranthene	23.056	252	4409062	49.700	ng/ul	99
91) Benzo(k)fluoranthene	23.109	252	1441080	16.292	ng/ul	100
93) Benzo(a)pyrene	23.791	252	2386518	29.783	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.991	276	842389	9.164	ng/ul	100
95) Dibenzo(a,h)anthracene	27.044	278	231142m	3.087	ng/ul	
96) Benzo(g,h,i)perylene	27.956	276	680898m	9.923	ng/ul	

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

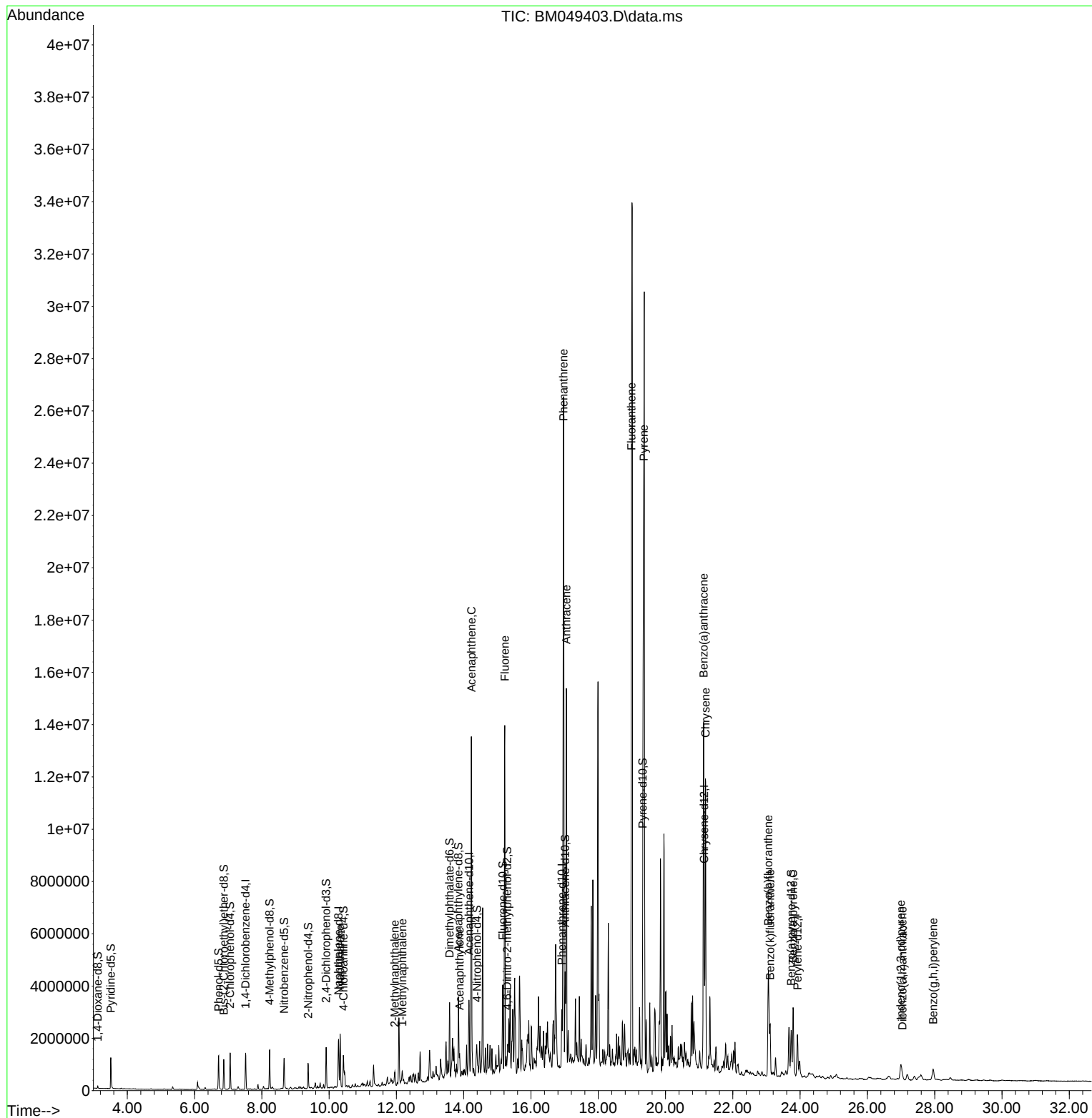
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049403.D
Acq On : 23 Jan 2025 04:31
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ALS Vial : 25 Sample Multiplier: 1

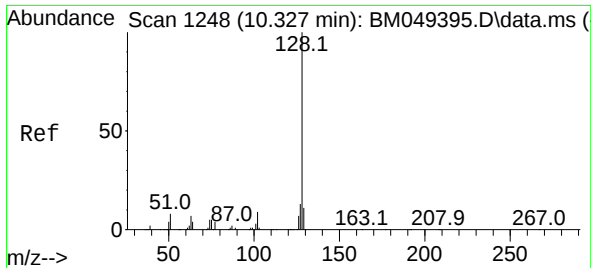
Instrument :
BNA_M
ClientSampleId :
DCZH8

Quant Time: Jan 23 05:04:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
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#30

Naphthalene

Concen: 21.662 ng/ul

RT: 10.328 min Scan# 1248

Delta R.T. -0.006 min

Lab File: BM049403.D

Acq: 23 Jan 2025 04:31

Instrument :

BNA_M

ClientSampleId :

DCZH8

Tgt Ion:128 Resp: 1611739

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

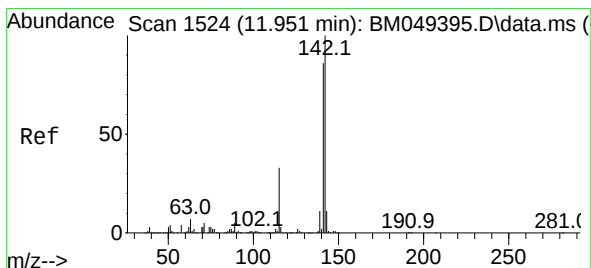
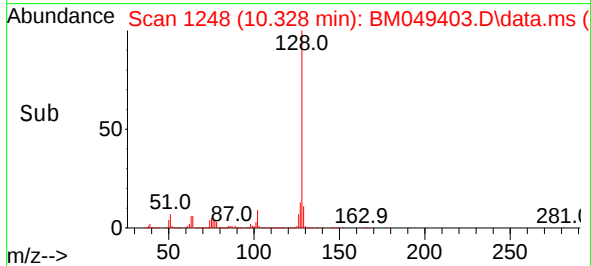
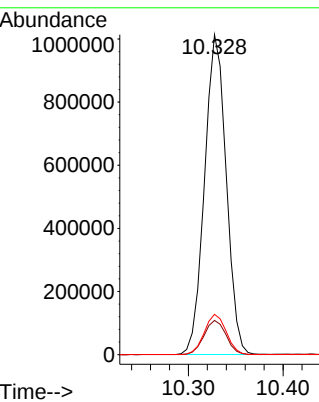
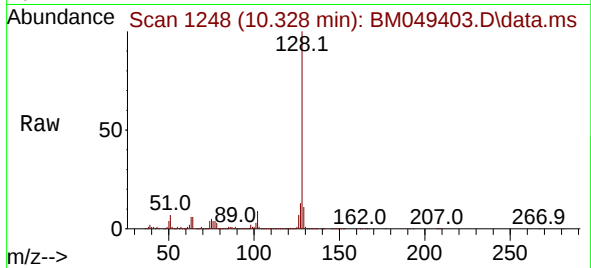
127 12.6 10.2 15.2

Manual Integrations

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#36

2-Methylnaphthalene

Concen: 2.390 ng/ul

RT: 11.951 min Scan# 1524

Delta R.T. -0.006 min

Lab File: BM049403.D

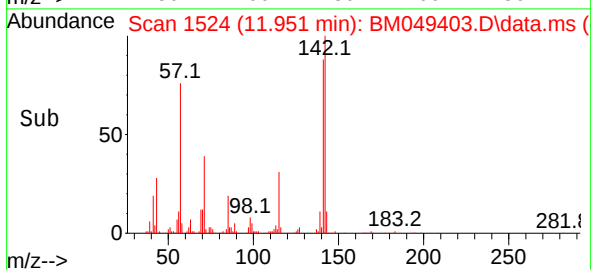
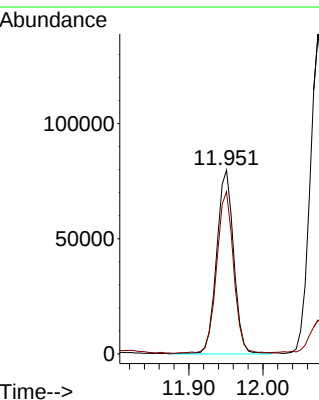
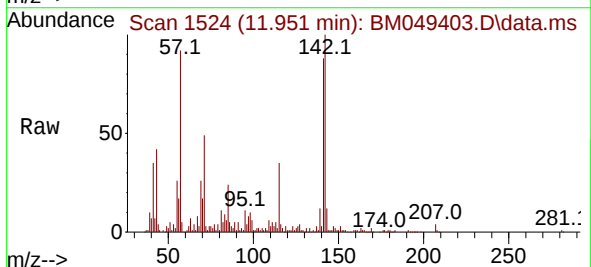
Acq: 23 Jan 2025 04:31

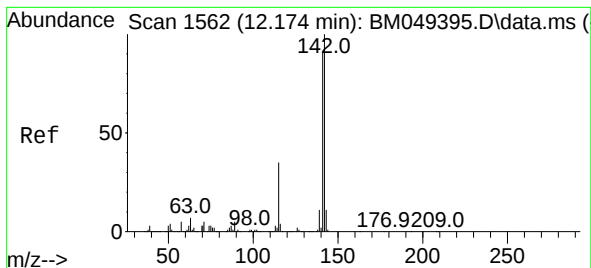
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Ion Ratio Lower Upper

142 100

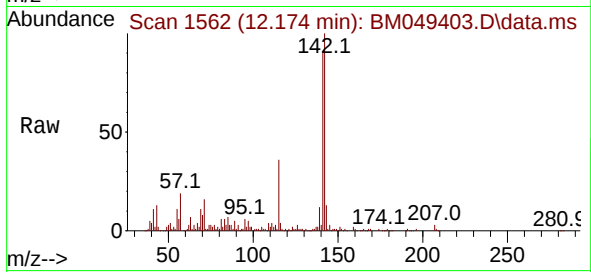
141 88.2 69.6 104.4





#37
1-Methylnaphthalene
Concen: 4.100 ng/ul
RT: 12.174 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31

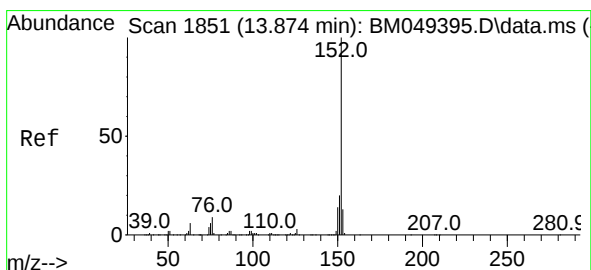
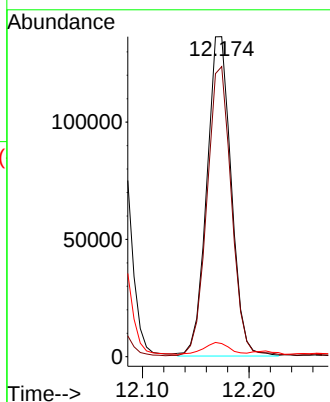
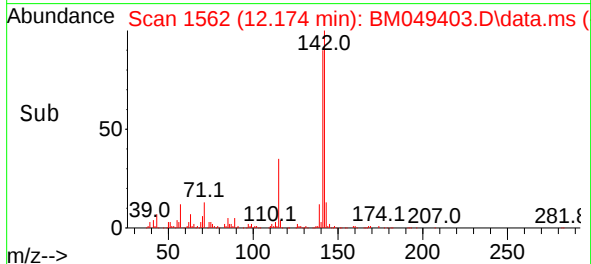
Instrument :
BNA_M
ClientSampleId :
DCZH8



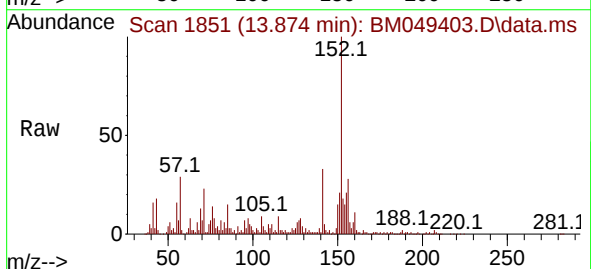
Tgt Ion:142 Resp: 217179
Ion Ratio Lower Upper
142 100
141 90.6 71.9 107.9
116 4.1 2.8 4.2

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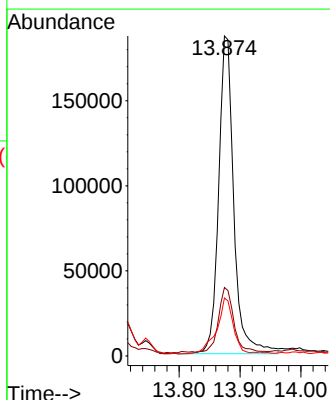
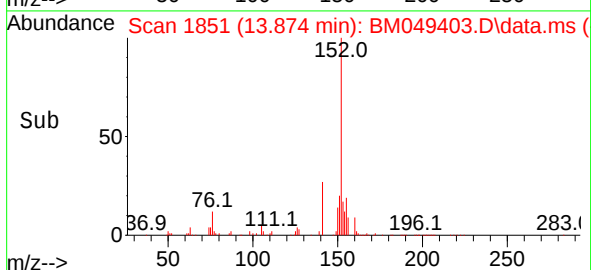
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

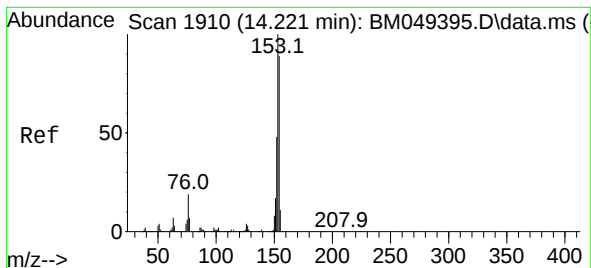


#50
Acenaphthylene
Concen: 4.381 ng/ul
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31



Tgt Ion:152 Resp: 324686
Ion Ratio Lower Upper
152 100
151 21.4 15.8 23.8
153 18.1 10.6 15.8#





#52

Acenaphthene

Concen: 102.009 ng/ul

RT: 14.227 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM049403.D

Acq: 23 Jan 2025 04:31

Instrument :

BNA_M

ClientSampleId :

DCZH8

Tgt Ion:153 Resp: 540163

Ion Ratio Lower Upper

153 100

152 48.3 39.0 58.6

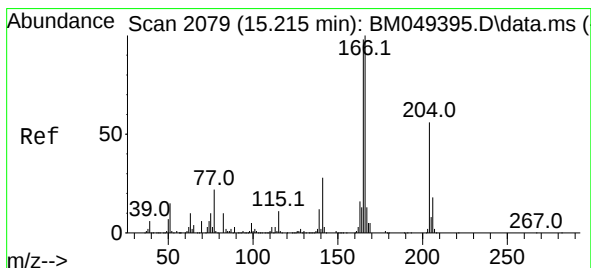
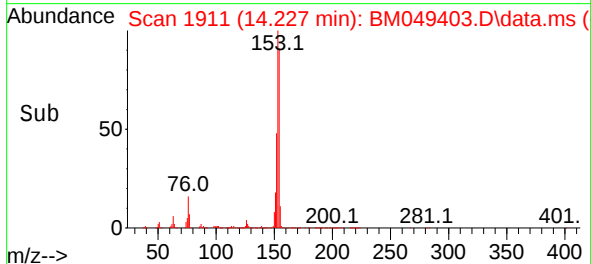
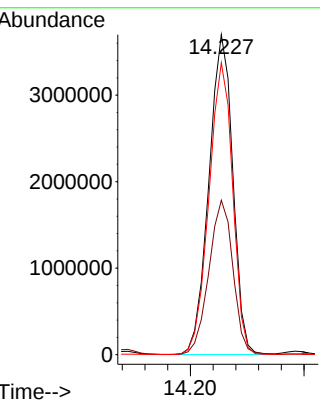
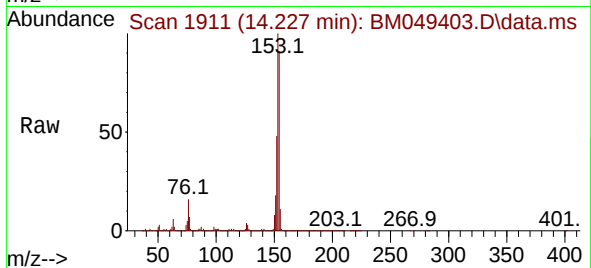
154 91.2 71.6 107.4

Manual Integrations

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Reviewed By :Yogesh Patel 01/24/2025

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#61

Fluorene

Concen: 102.070 ng/ul

RT: 15.221 min Scan# 2080

Delta R.T. -0.000 min

Lab File: BM049403.D

Acq: 23 Jan 2025 04:31

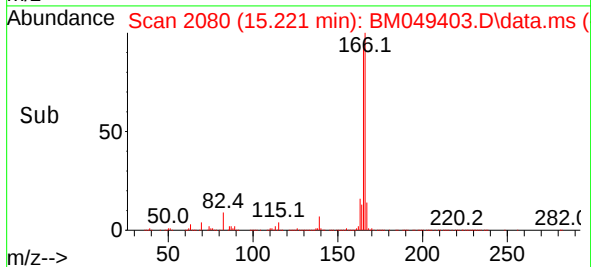
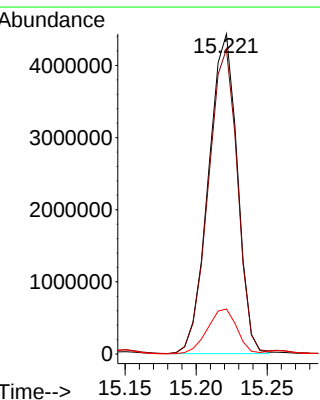
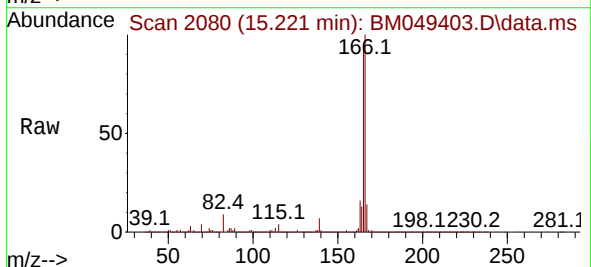
Tgt Ion:166 Resp: 6270975

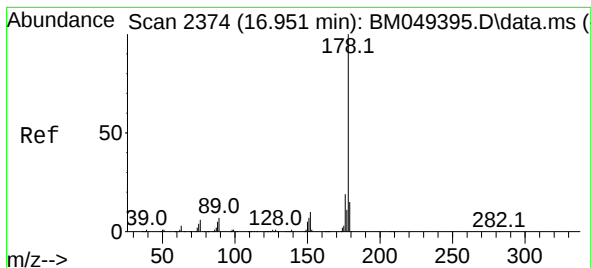
Ion Ratio Lower Upper

166 100

165 95.2 77.7 116.5

167 14.0 10.7 16.1





#72

Phenanthrene

Concen: 212.760 ng/ul m

RT: 16.962 min Scan# 2376

Delta R.T. 0.006 min

Lab File: BM049403.D

Acq: 23 Jan 2025 04:31

Instrument :

BNA_M

ClientSampleId :

DCZH8

Tgt Ion:178 Resp:1708121

Ion Ratio Lower Upper

178 100

179 21.0 12.6 19.0

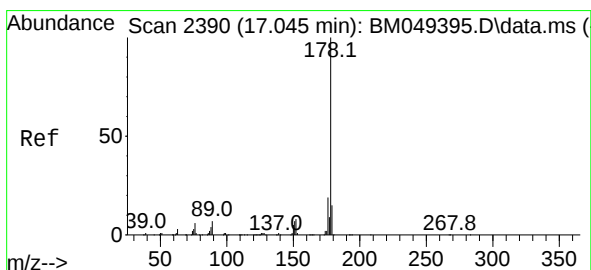
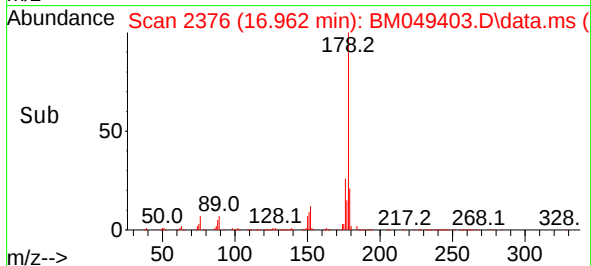
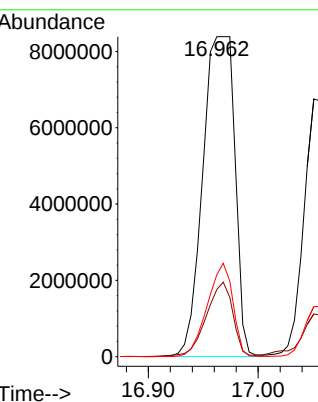
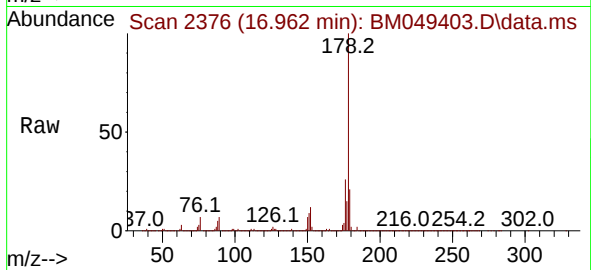
176 25.6 15.4 23.2

Manual Integrations

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#74

Anthracene

Concen: 124.509 ng/ul

RT: 17.051 min Scan# 2391

Delta R.T. -0.000 min

Lab File: BM049403.D

Acq: 23 Jan 2025 04:31

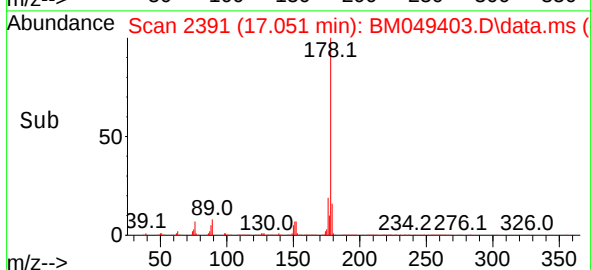
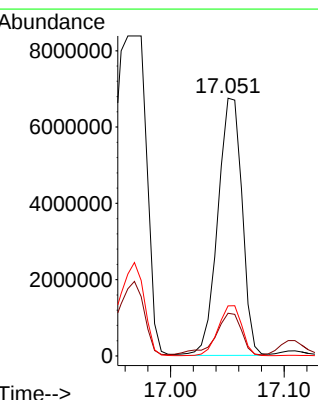
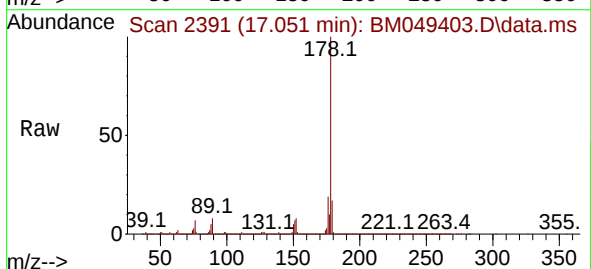
Tgt Ion:178 Resp:10033368

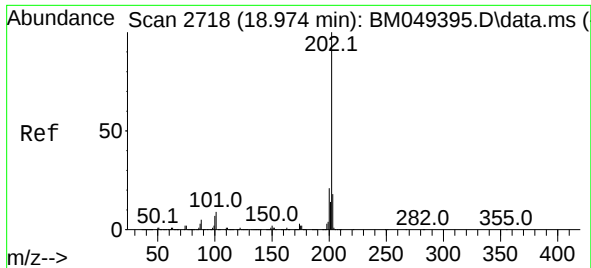
Ion Ratio Lower Upper

178 100

179 16.6 12.5 18.7

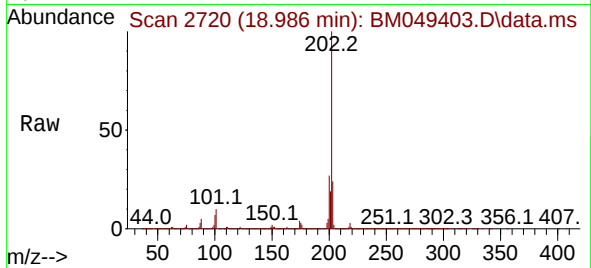
176 19.4 15.1 22.7





#80
Fluoranthene
Concen: 255.125 ng/ul m
RT: 18.986 min Scan# 2718
Delta R.T. -0.000 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31

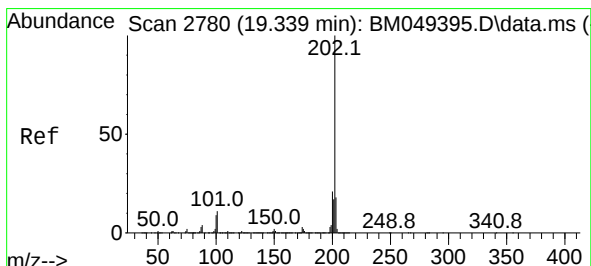
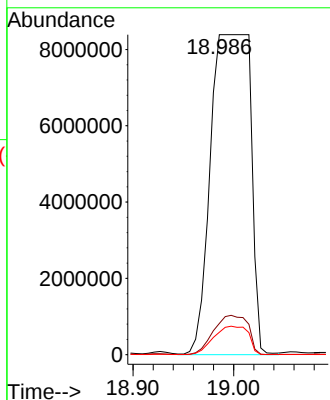
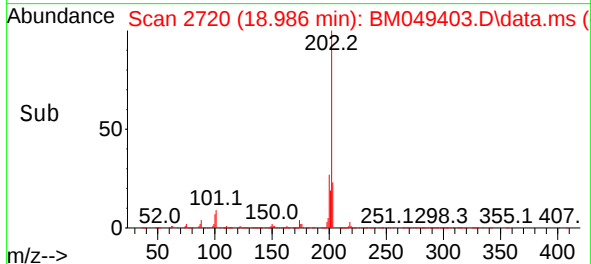
Instrument :
BNA_M
ClientSampleId :
DCZH8



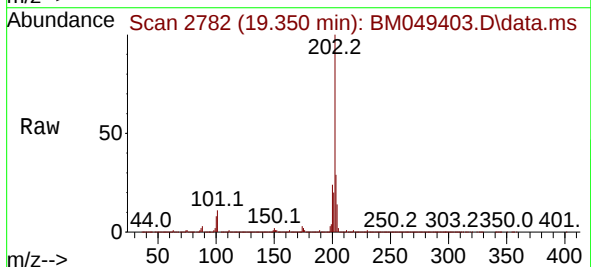
Tgt Ion:202 Resp:23140615
Ion Ratio Lower Upper
202 100
101 9.7 7.0 10.4
100 7.0 5.0 7.6

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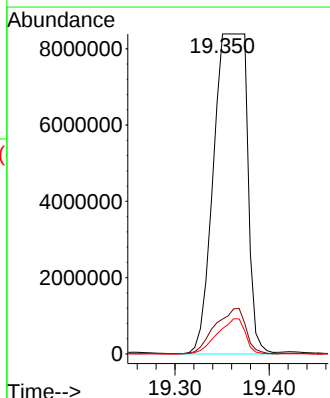
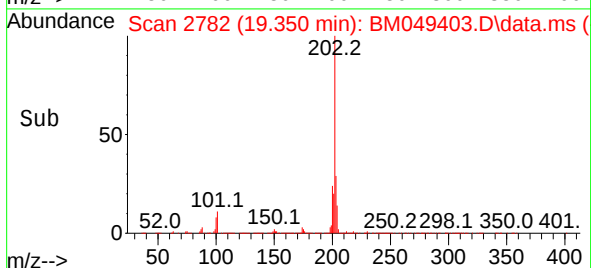
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

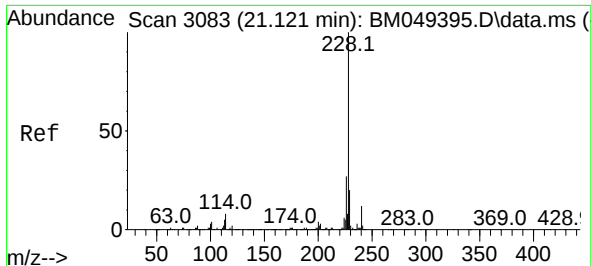


#82
Pyrene
Concen: 215.308 ng/ul m
RT: 19.350 min Scan# 2782
Delta R.T. -0.000 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31



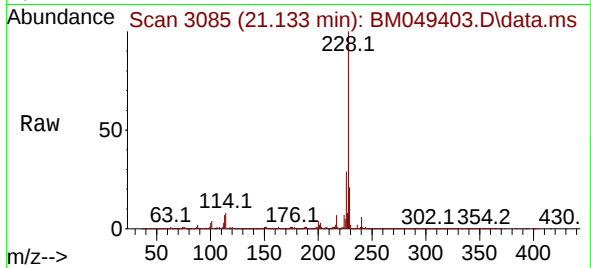
Tgt Ion:202 Resp:20788230
Ion Ratio Lower Upper
202 100
101 10.9 7.8 11.8
100 8.0 6.6 10.0





#85
Benzo(a)anthracene
Concen: 83.146 ng/ul
RT: 21.133 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31

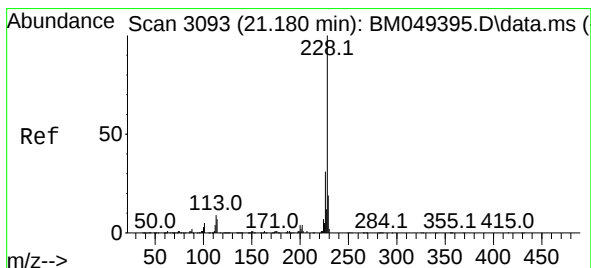
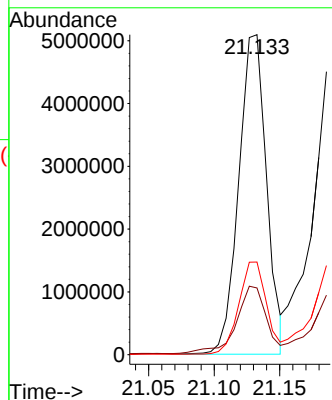
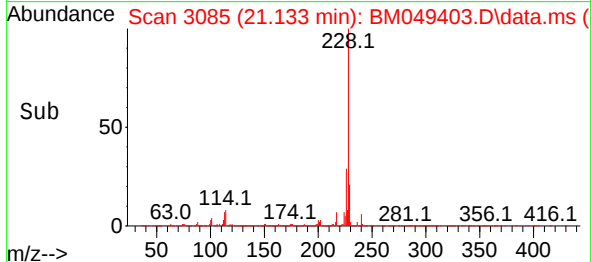
Instrument :
BNA_M
ClientSampleId :
DCZH8



Tgt Ion:228 Resp: 7515372
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.6
226 29.0 22.1 33.1

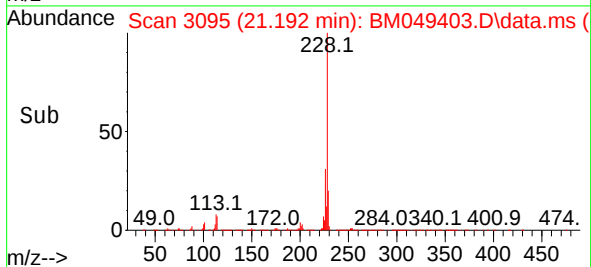
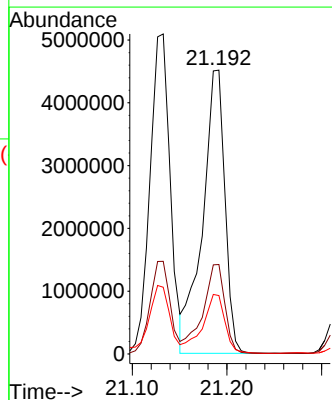
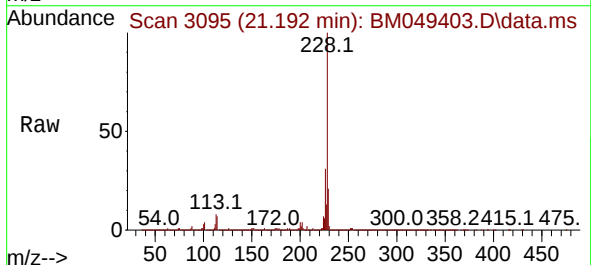
Manual Integrations
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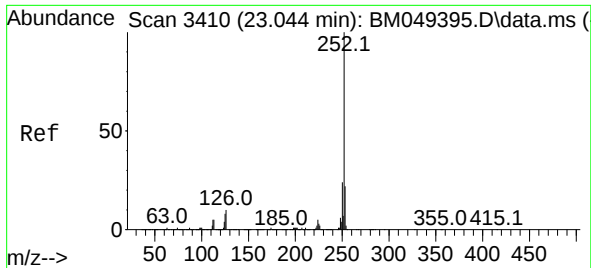
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#87
Chrysene
Concen: 89.566 ng/ul
RT: 21.192 min Scan# 3095
Delta R.T. 0.006 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31

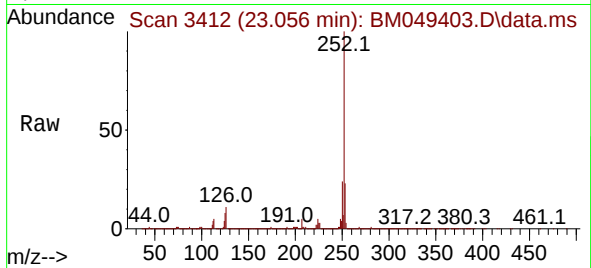
Tgt Ion:228 Resp: 7390800
Ion Ratio Lower Upper
228 100
226 31.5 24.3 36.5
229 20.6 16.0 24.0





#90
Benzo(b)fluoranthene
Concen: 49.700 ng/ul
RT: 23.056 min Scan# 3410
Delta R.T. -0.000 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31

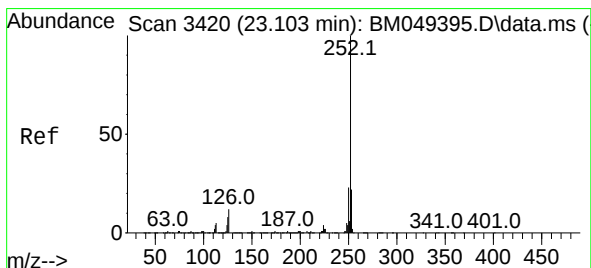
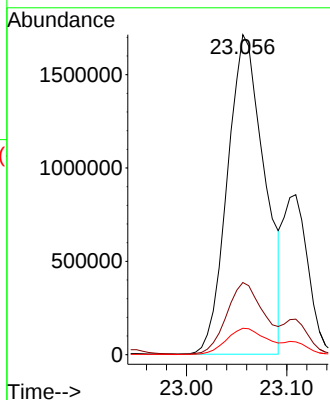
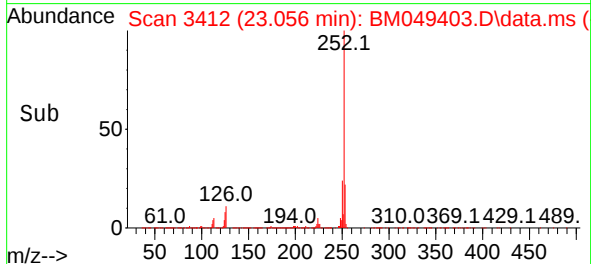
Instrument :
BNA_M
ClientSampleId :
DCZH8



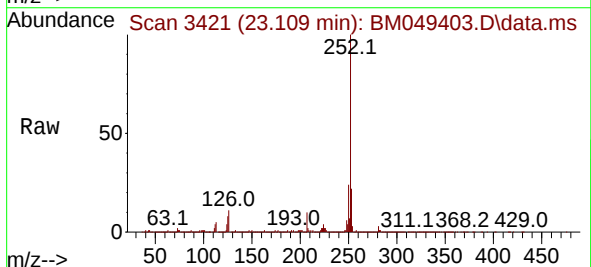
Tgt Ion:252 Resp: 4409062
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 8.3 6.6 9.8

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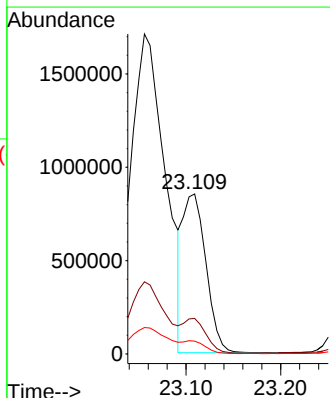
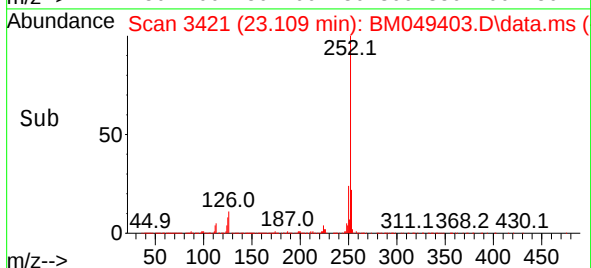
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

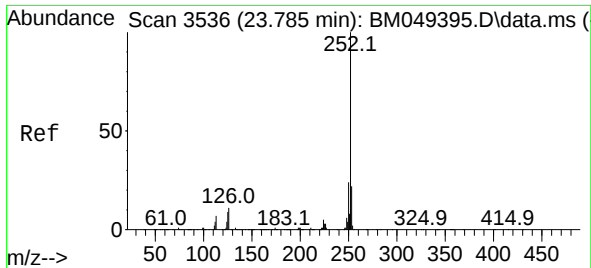


#91
Benzo(k)fluoranthene
Concen: 16.292 ng/ul
RT: 23.109 min Scan# 3421
Delta R.T. -0.006 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31



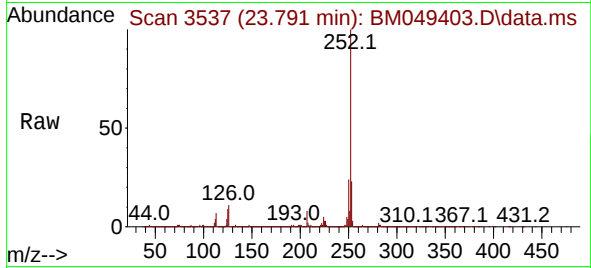
Tgt Ion:252 Resp: 1441080
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 8.0 6.5 9.7





#93
Benzo(a)pyrene
Concen: 29.783 ng/ul
RT: 23.791 min Scan# 3536
Delta R.T. -0.006 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31

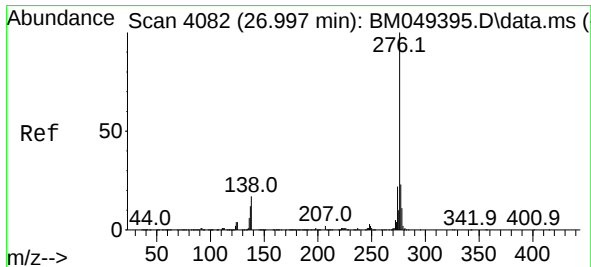
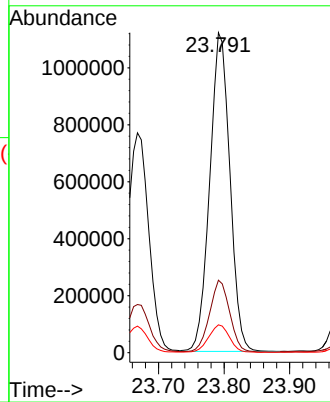
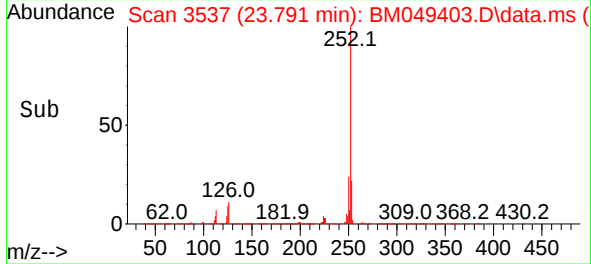
Instrument :
BNA_M
ClientSampleId :
DCZH8



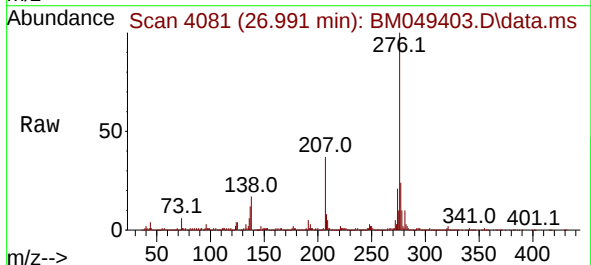
Tgt Ion:252 Resp: 2386518
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 8.7 6.9 10.3

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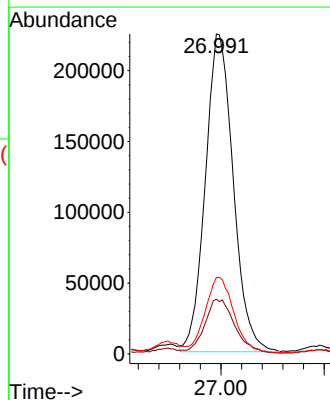
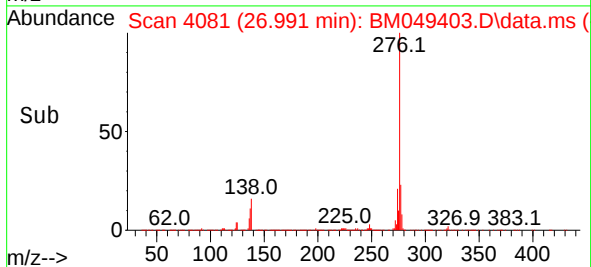
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

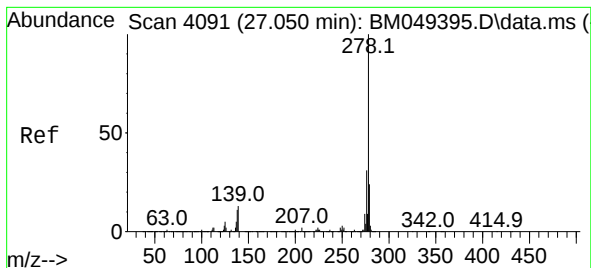


#94
Indeno(1,2,3-cd)pyrene
Concen: 9.164 ng/ul
RT: 26.991 min Scan# 4081
Delta R.T. -0.029 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31



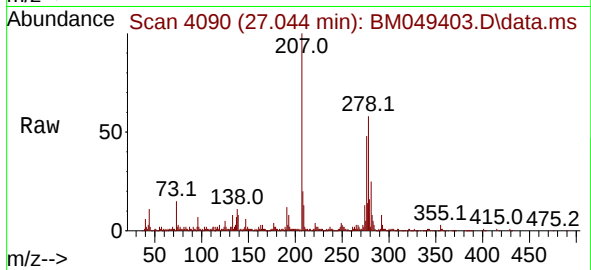
Tgt Ion:276 Resp: 842389
Ion Ratio Lower Upper
276 100
138 17.1 13.4 20.0
277 23.9 19.1 28.7





#95
Dibenzo(a,h)anthracene
Concen: 3.087 ng/ul m
RT: 27.044 min Scan# 4091
Delta R.T. -0.029 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31

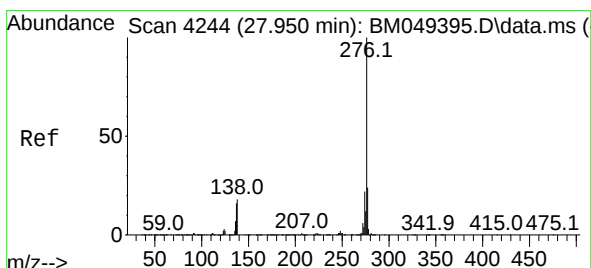
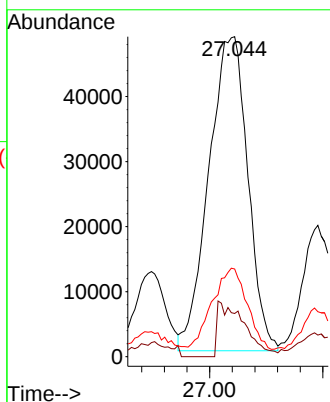
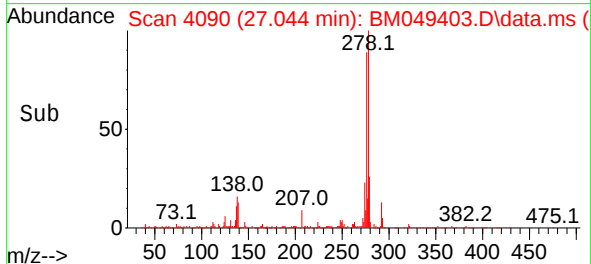
Instrument :
BNA_M
ClientSampleId :
DCZH8



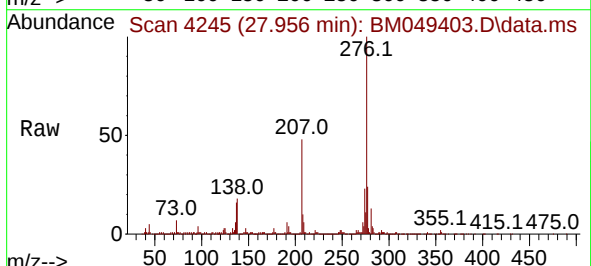
Tgt Ion:278 Resp: 23114
Ion Ratio Lower Upper
278 100
139 13.5 9.9 14.9
279 27.4 19.4 29.0

Manual Integrations
APPROVED

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



#96
Benzo(g,h,i)perylene
Concen: 9.923 ng/ul m
RT: 27.956 min Scan# 4245
Delta R.T. -0.024 min
Lab File: BM049403.D
Acq: 23 Jan 2025 04:31



Tgt Ion:276 Resp: 680898
Ion Ratio Lower Upper
276 100
138 17.9 14.1 21.1
277 23.6 19.4 29.0

