

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049402.D
 Acq On : 23 Jan 2025 03:52
 Operator : RC/JU
 Sample : Q1139-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH7

Quant Time: Jan 23 04:25:36 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	492495	20.000	ng/ul	0.00
20) Naphthalene-d8	10.292	136	1823555	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.163	164	1131053	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.927	188	1767116	20.000	ng/ul	0.01
79) Chrysene-d12	21.150	240	1612825	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264	1696223	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	41450	3.482	ng/uL	0.00
4) Pyridine-d5	3.510	84	583816	15.407	ng/ul	0.00
7) Phenol-d5	6.710	99	766822	18.548	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	505393	18.359	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	621200	19.642	ng/ul	0.00
15) 4-Methylphenol-d8	8.228	113	596656	18.611	ng/ul	-0.01
21) Nitrobenzene-d5	8.663	128	291671	20.975	ng/ul	0.00
24) 2-Nitrophenol-d4	9.380	143	322233	20.728	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	614592	19.375	ng/ul	0.00
31) 4-Chloroaniline-d4	10.427	131	681803	16.334	ng/ul	0.00
46) Dimethylphthalate-d6	13.586	166	1463796	17.388	ng/ul	0.00
49) Acenaphthylene-d8	13.851	160	1467005	15.265	ng/ul	0.00
54) 4-Nitrophenol-d4	14.392	143	191455	13.734	ng/ul	0.00
60) Fluorene-d10	15.162	176	986823	13.569	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.321	200	33557	2.980	ng/ul	0.03
73) Anthracene-d10	17.039	188	1280658	14.660	ng/ul	0.02
81) Pyrene-d10	19.321	212	1368996	13.947	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.733	264	1171814	12.869	ng/ul	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.339	128	33938977m	350.693	ng/ul	
36) 2-Methylnaphthalene	11.974	142	18141037	261.956	ng/ul	100
37) 1-Methylnaphthalene	12.186	142	10162059	147.480	ng/ul	100
50) Acenaphthylene	13.880	152	580941	5.896	ng/ul#	79
52) Acenaphthene	14.239	153	14756202	209.626	ng/ul	98
61) Fluorene	15.233	166	14030674	171.791	ng/ul	98
72) Phenanthrene	16.962	178	37490925m	381.622	ng/ul	
74) Anthracene	17.068	178	10307236	104.527	ng/ul	98
80) Fluoranthene	18.986	202	26125298m	231.633	ng/ul	
82) Pyrene	19.350	202	22830545m	190.160	ng/ul	
85) Benzo(a)anthracene	21.133	228	9847522	87.615	ng/ul	96
87) Chrysene	21.192	228	8467662	82.523	ng/ul	98
90) Benzo(b)fluoranthene	23.056	252	4547596	40.055	ng/ul	98
91) Benzo(k)fluoranthene	23.109	252	1633571	14.431	ng/ul	99
93) Benzo(a)pyrene	23.791	252	2547737	24.844	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.997	276	782392	6.651	ng/ul	99
95) Dibenzo(a,h)anthracene	27.038	278	217915m	2.274	ng/ul	
96) Benzo(g,h,i)perylene	27.956	276	585101	6.663	ng/ul	99

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

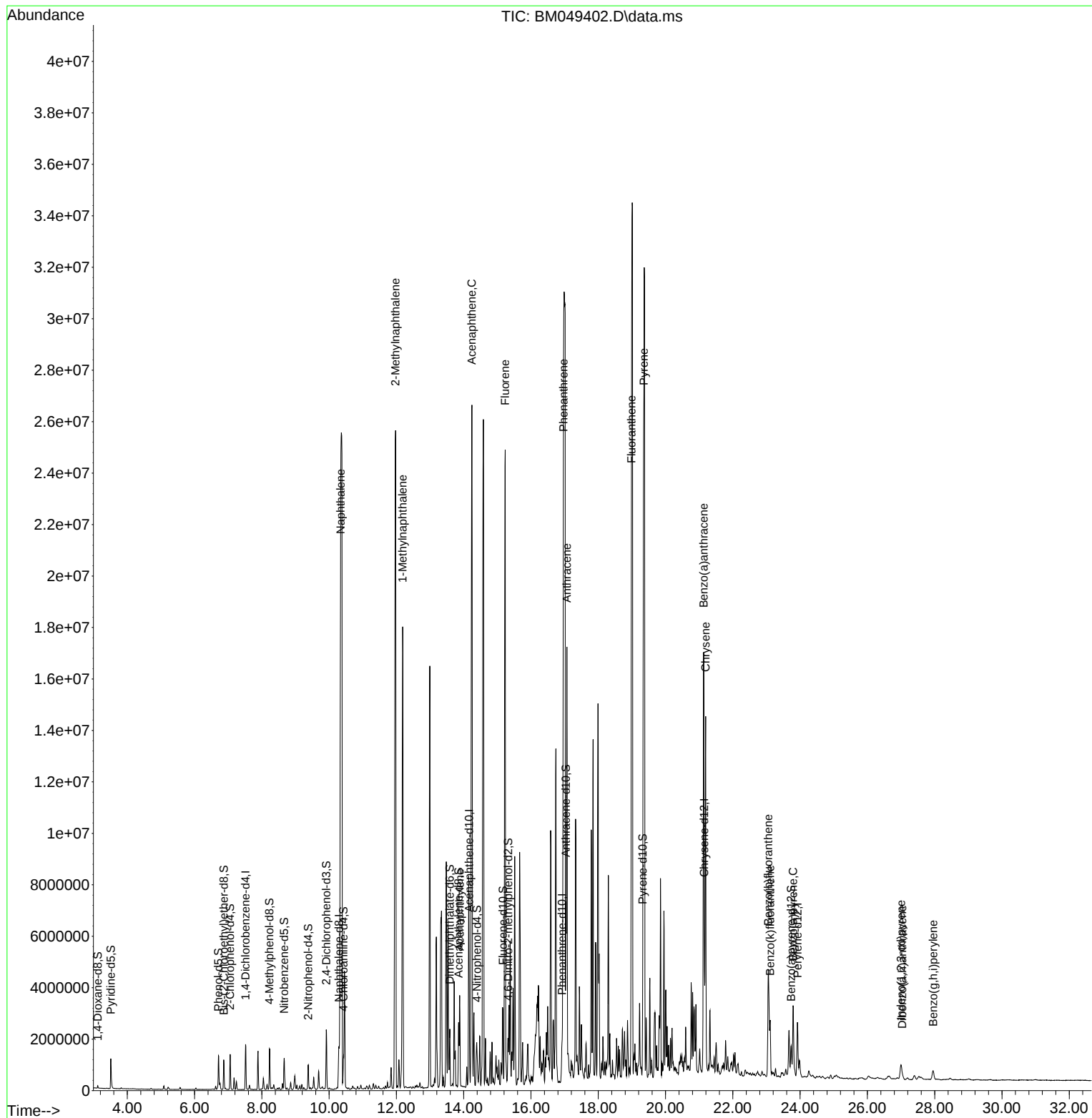
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049402.D
Acq On : 23 Jan 2025 03:52
Operator : RC/JU
Sample : Q1139-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

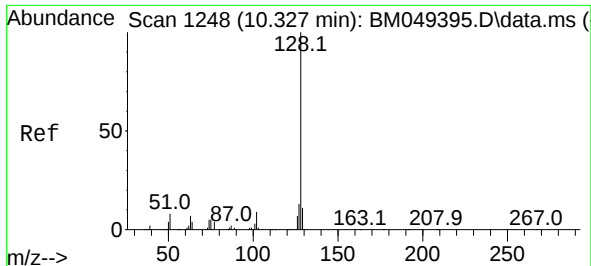
Instrument :
BNA_M
ClientSampleId :
DCZH7

Quant Time: Jan 23 04:25:36 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
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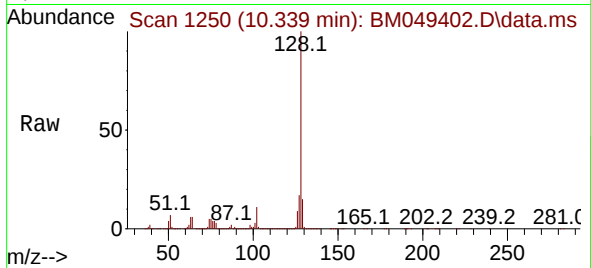
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025





#30
Naphthalene
Concen: 350.693 ng/ul m
RT: 10.339 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

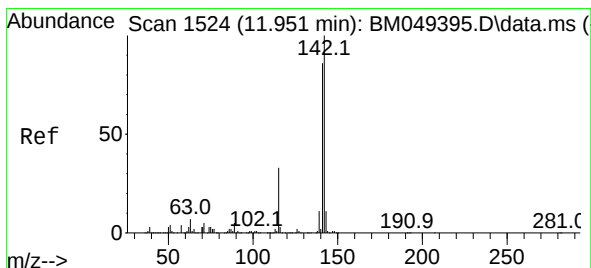
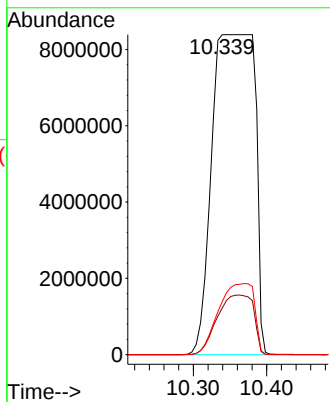
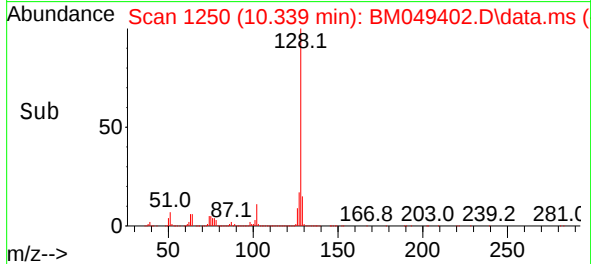
Instrument :
BNA_M
ClientSampleId :
DCZH7



Tgt Ion:128 Resp:3393897
Ion Ratio Lower Upper
128 100
129 14.6 8.5 12.7
127 16.6 10.2 15.2

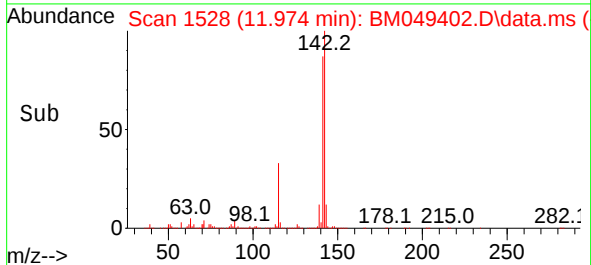
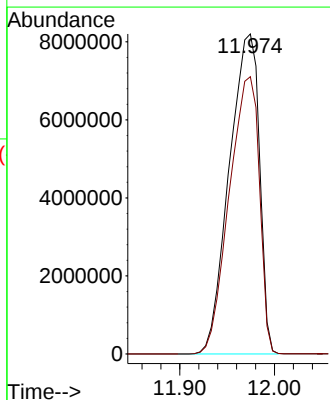
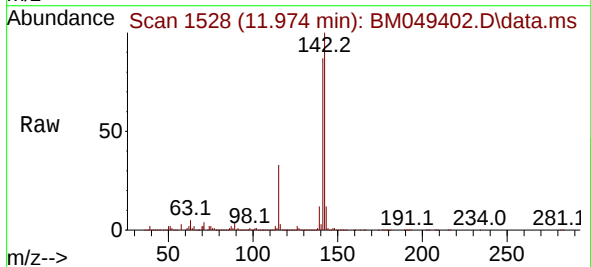
Manual Integrations
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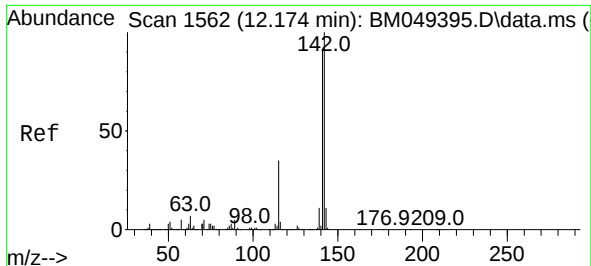
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#36
2-Methylnaphthalene
Concen: 261.956 ng/ul
RT: 11.974 min Scan# 1528
Delta R.T. 0.018 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

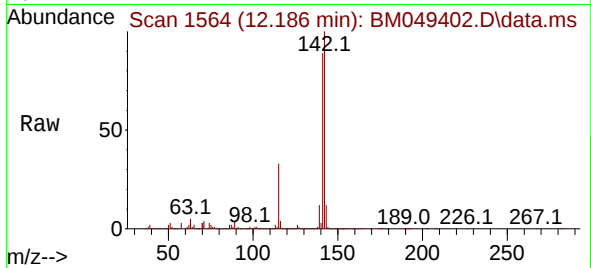
Tgt Ion:142 Resp:18141037
Ion Ratio Lower Upper
142 100
141 86.7 69.6 104.4





#37
1-Methylnaphthalene
Concen: 147.480 ng/ul
RT: 12.186 min Scan# 1564
Delta R.T. 0.006 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

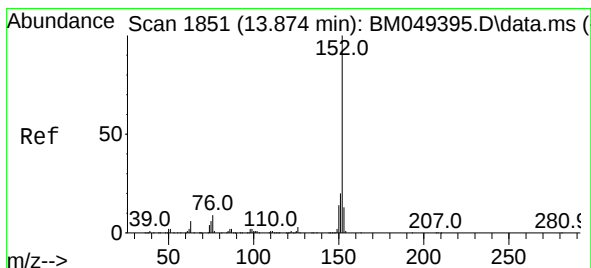
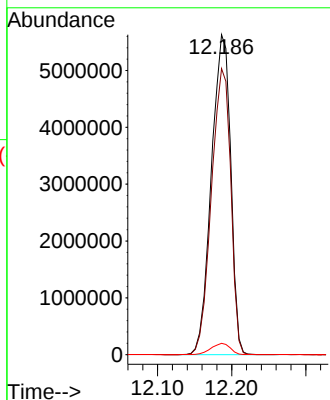
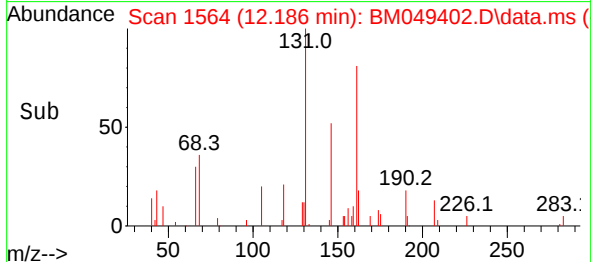
Instrument :
BNA_M
ClientSampleId :
DCZH7



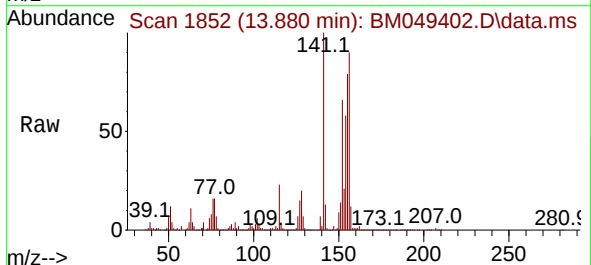
Tgt Ion:142 Resp:1016205
Ion Ratio Lower Upper
142 100
141 89.4 71.9 107.9
116 3.5 2.8 4.2

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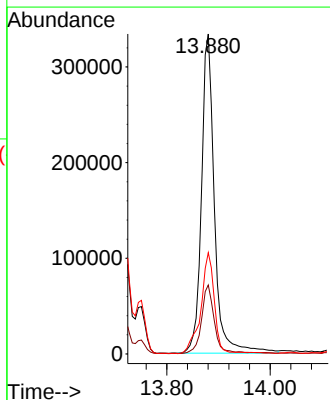
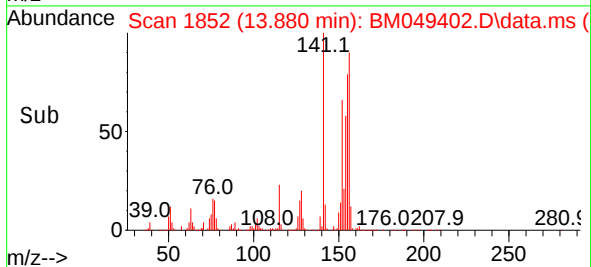
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

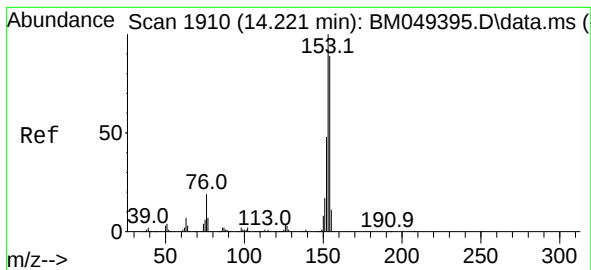


#50
Acenaphthylene
Concen: 5.896 ng/ul
RT: 13.880 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52



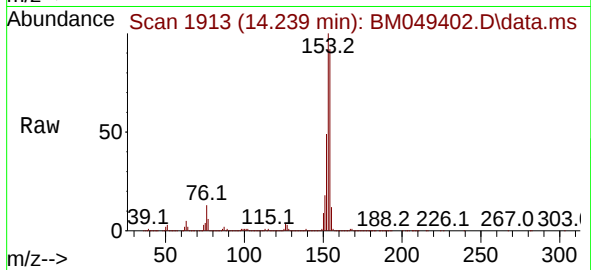
Tgt Ion:152 Resp: 580941
Ion Ratio Lower Upper
152 100
151 21.6 15.8 23.8
153 31.7 10.6 15.8#





#52
Acenaphthene
Concen: 209.626 ng/ul
RT: 14.239 min Scan# 1913
Delta R.T. 0.012 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

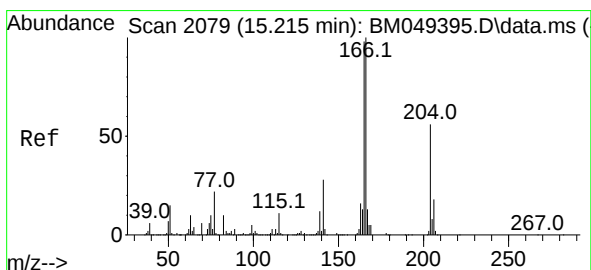
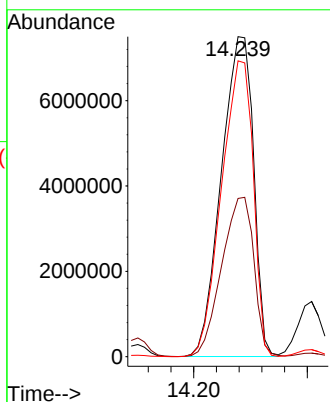
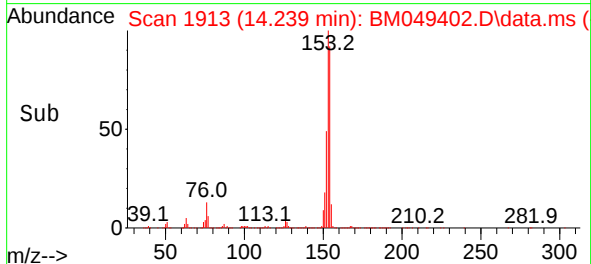
Instrument :
BNA_M
ClientSampleId :
DCZH7



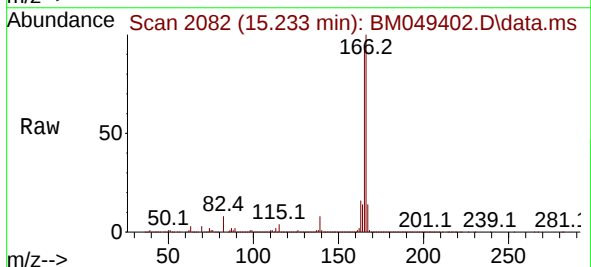
Tgt Ion:153 Resp:1475620
Ion Ratio Lower Upper
153 100
152 49.4 39.0 58.6
154 92.5 71.6 107.4

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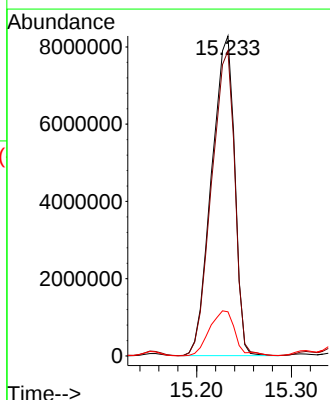
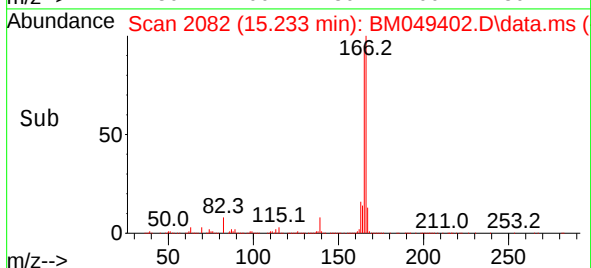
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

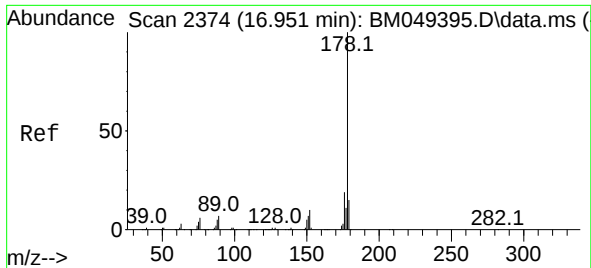


#61
Fluorene
Concen: 171.791 ng/ul
RT: 15.233 min Scan# 2082
Delta R.T. 0.012 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52



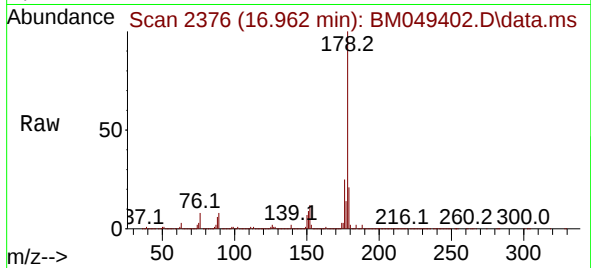
Tgt Ion:166 Resp:14030674
Ion Ratio Lower Upper
166 100
165 95.3 77.7 116.5
167 13.8 10.7 16.1





#72
Phenanthrene
Concen: 381.622 ng/ul m
RT: 16.962 min Scan# 2374
Delta R.T. 0.006 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

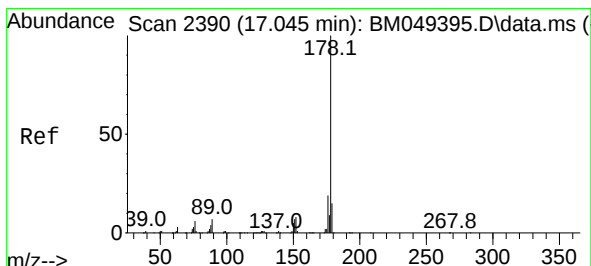
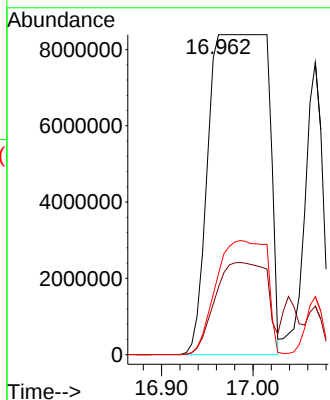
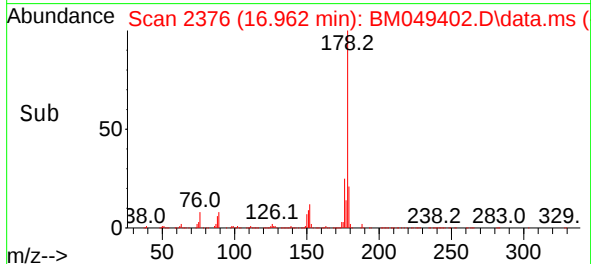
Instrument :
BNA_M
ClientSampleId :
DCZH7



Tgt Ion:178 Resp:37490924
Ion Ratio Lower Upper
178 100
179 21.1 12.6 19.0
176 25.3 15.4 23.2

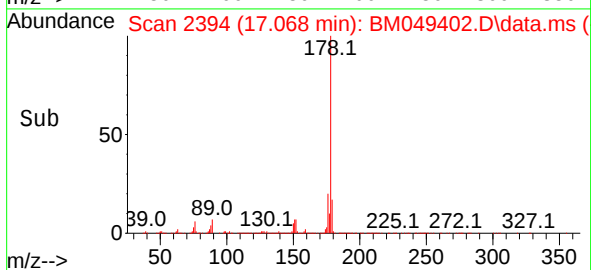
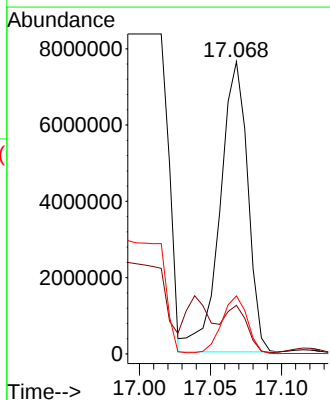
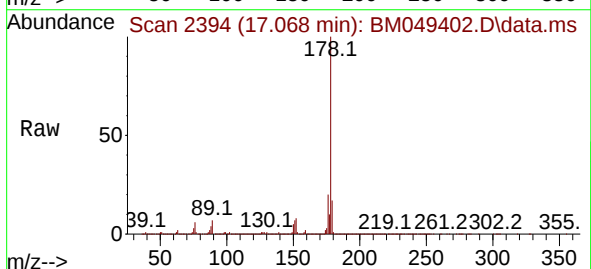
Manual Integrations
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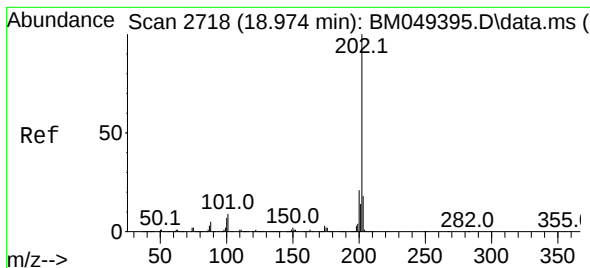
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#74
Anthracene
Concen: 104.527 ng/ul
RT: 17.068 min Scan# 2394
Delta R.T. 0.018 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

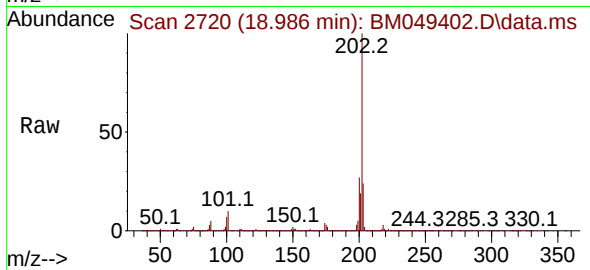
Tgt Ion:178 Resp:10307236
Ion Ratio Lower Upper
178 100
179 16.6 12.5 18.7
176 19.9 15.1 22.7





#80
Fluoranthene
Concen: 231.633 ng/ul m
RT: 18.986 min Scan# 2718
Delta R.T. -0.000 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

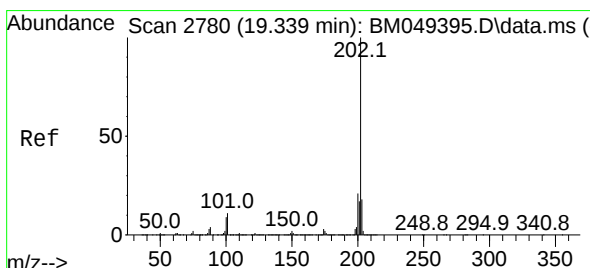
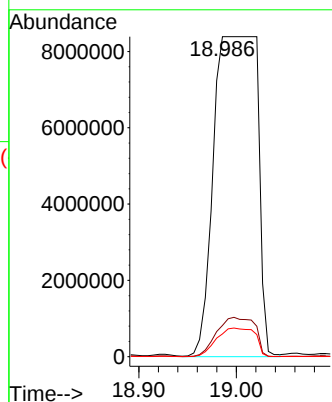
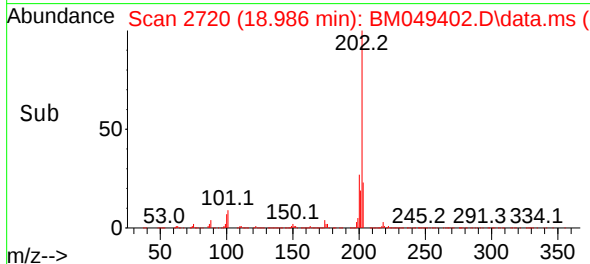
Instrument :
BNA_M
ClientSampleId :
DCZH7



Tgt Ion:202 Resp:26125298
Ion Ratio Lower Upper
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101 9.7 7.0 10.4
100 7.1 5.0 7.6

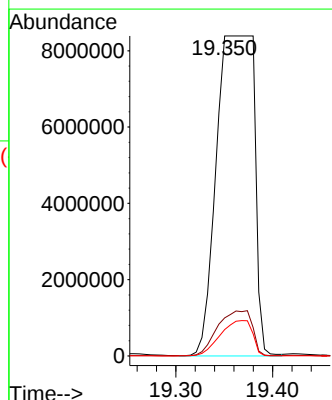
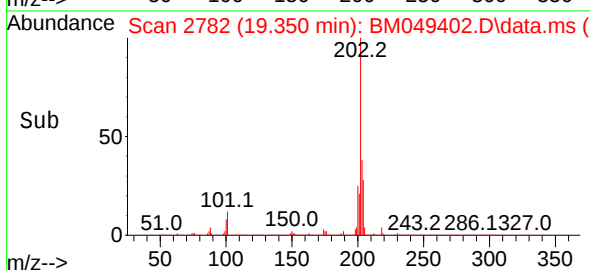
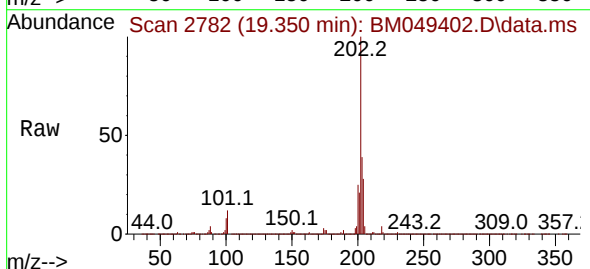
Manual Integrations
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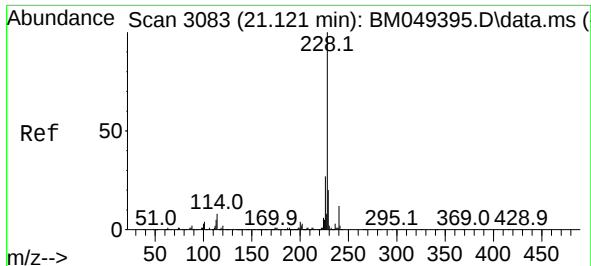
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#82
Pyrene
Concen: 190.160 ng/ul m
RT: 19.350 min Scan# 2782
Delta R.T. -0.000 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

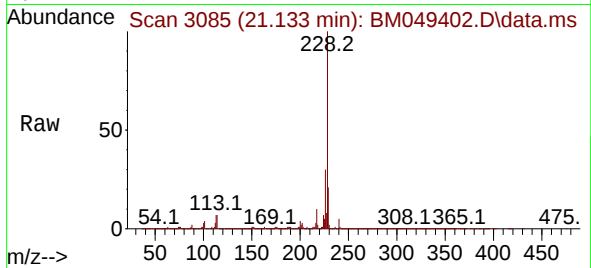
Tgt Ion:202 Resp:22830545
Ion Ratio Lower Upper
202 100
101 11.9 7.8 11.8#
100 8.3 6.6 10.0





#85
Benzo(a)anthracene
Concen: 87.615 ng/ul
RT: 21.133 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

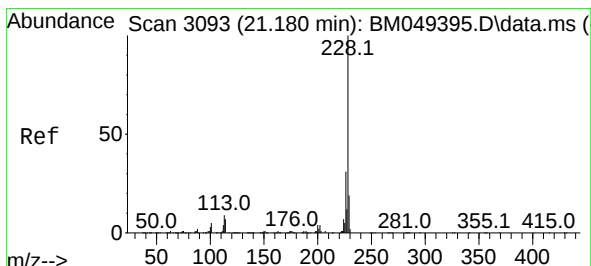
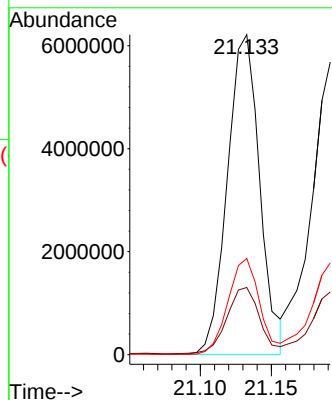
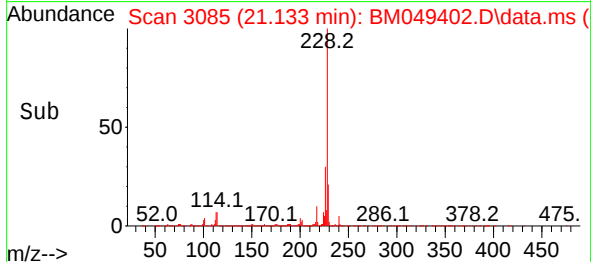
Instrument :
BNA_M
ClientSampleId :
DCZH7



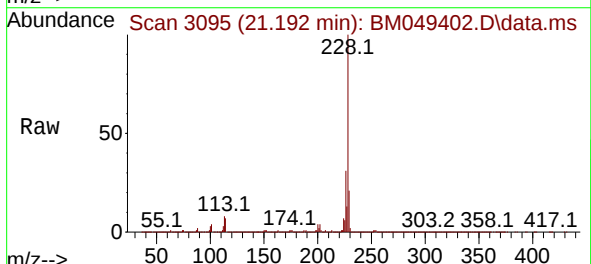
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Ion Ratio Lower Upper
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229 21.0 15.8 23.6
226 30.1 22.1 33.1

Manual Integrations
APPROVED

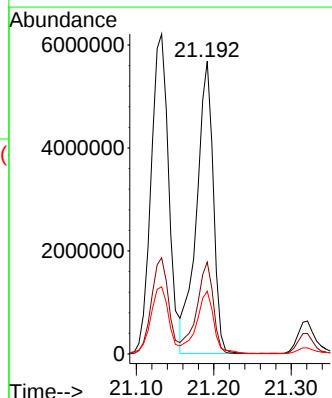
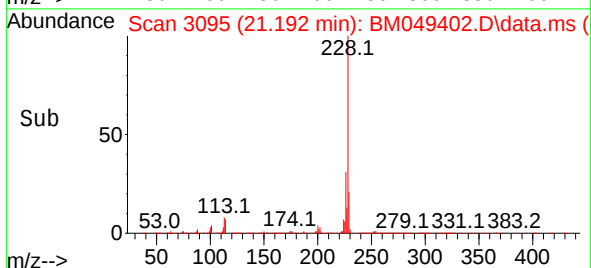
Reviewed By :Yogesh Patel 01/24/2025
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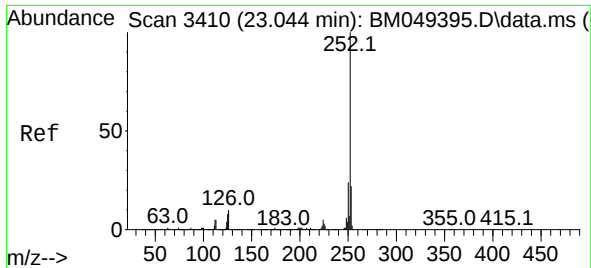


#87
Chrysene
Concen: 82.523 ng/ul
RT: 21.192 min Scan# 3095
Delta R.T. 0.006 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52



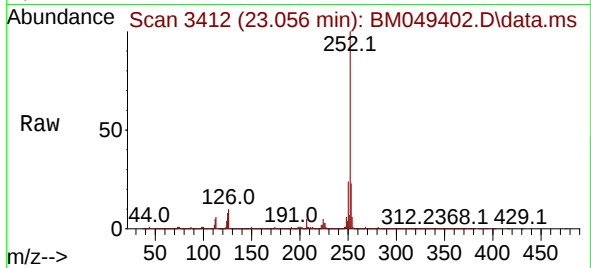
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Ion Ratio Lower Upper
228 100
226 31.4 24.3 36.5
229 21.5 16.0 24.0





#90
Benzo(b)fluoranthene
Concen: 40.055 ng/ul
RT: 23.056 min Scan# 3410
Delta R.T. -0.000 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

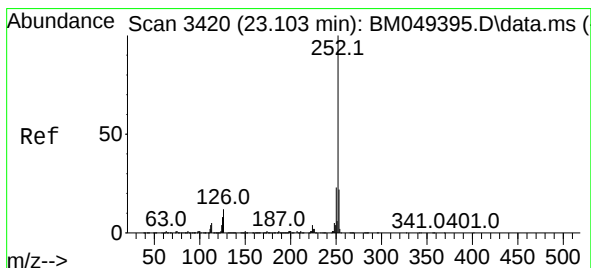
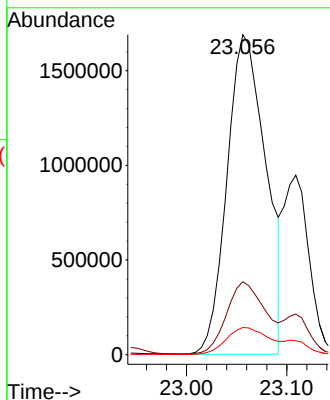
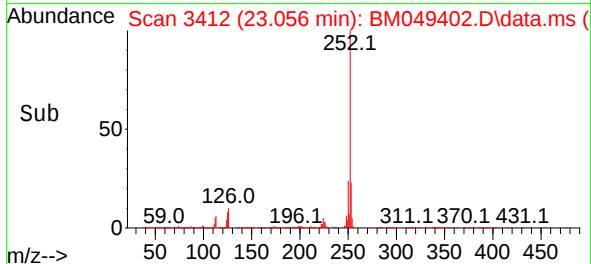
Instrument :
BNA_M
ClientSampleId :
DCZH7



Tgt Ion:252 Resp: 4547590
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 8.5 6.6 9.8

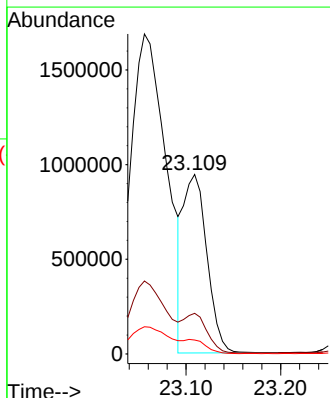
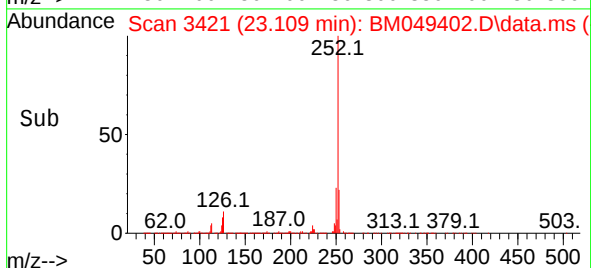
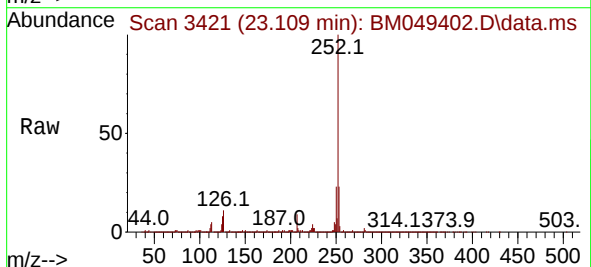
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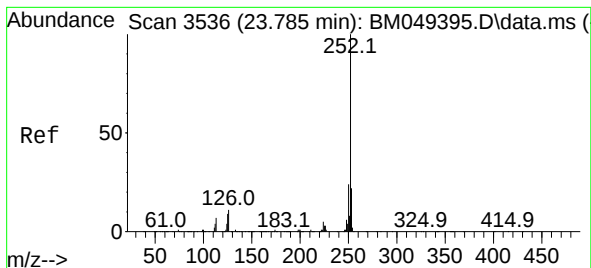
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#91
Benzo(k)fluoranthene
Concen: 14.431 ng/ul
RT: 23.109 min Scan# 3421
Delta R.T. -0.006 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

Tgt Ion:252 Resp: 1633571
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 7.8 6.5 9.7





#93

Benzo(a)pyrene

Concen: 24.844 ng/ul

RT: 23.791 min Scan# 3536

Delta R.T. -0.006 min

Lab File: BM049402.D

Acq: 23 Jan 2025 03:52

Instrument :

BNA_M

ClientSampleId :

DCZH7

Tgt Ion:252 Resp: 254773

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

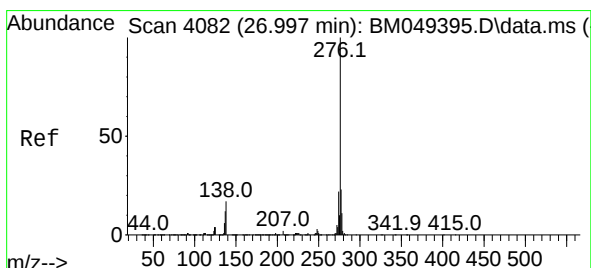
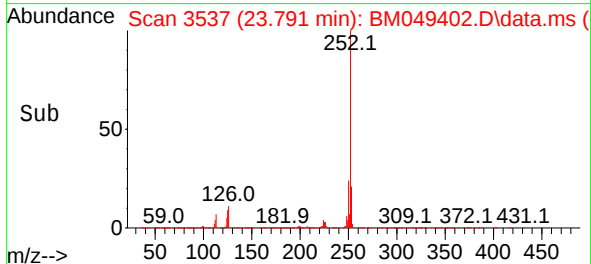
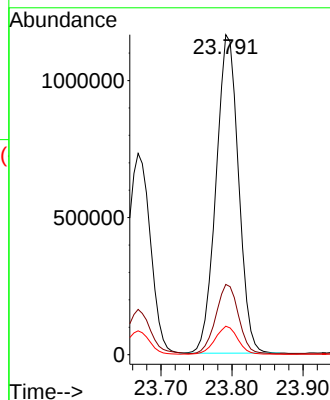
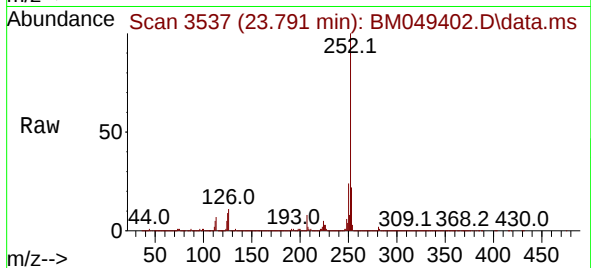
125 8.9 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#94

Indeno(1,2,3-cd)pyrene

Concen: 6.651 ng/ul

RT: 26.997 min Scan# 4082

Delta R.T. -0.024 min

Lab File: BM049402.D

Acq: 23 Jan 2025 03:52

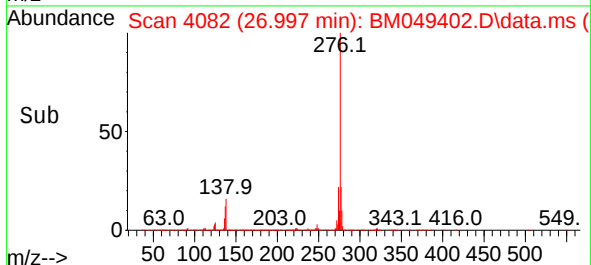
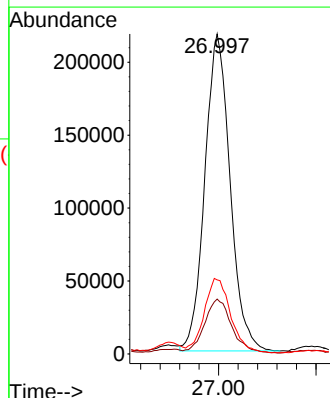
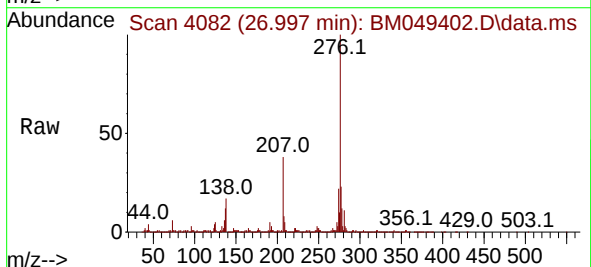
Tgt Ion:276 Resp: 782392

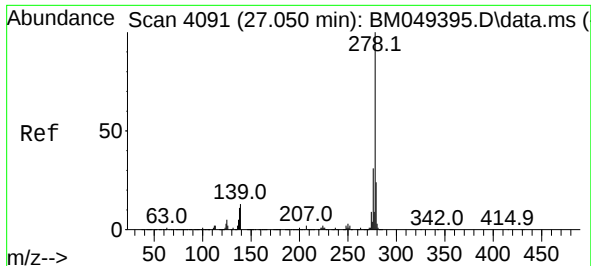
Ion Ratio Lower Upper

276 100

138 17.1 13.4 20.0

277 23.2 19.1 28.7





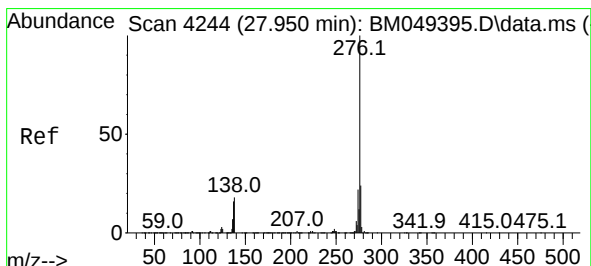
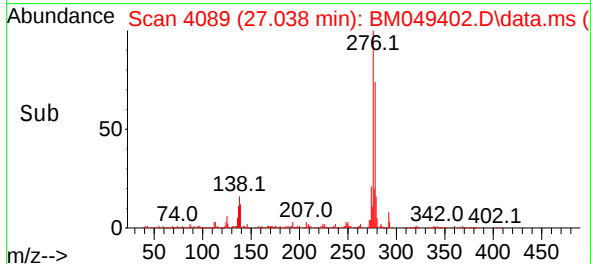
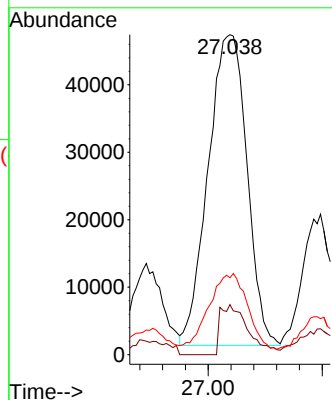
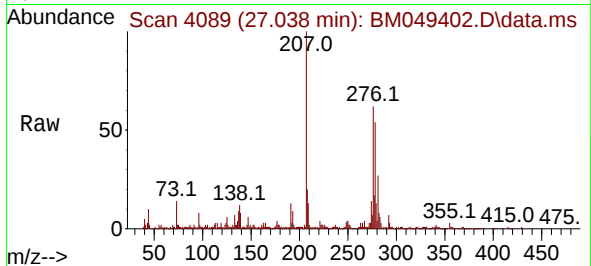
#95
Dibenzo(a,h)anthracene
Concen: 2.274 ng/ul m
RT: 27.038 min Scan# 4091
Delta R.T. -0.035 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

Instrument :
BNA_M
ClientSampleId :
DCZH7

Tgt Ion:278 Resp: 217915
Ion Ratio Lower Upper
278 100
139 15.7 9.9 14.9
279 24.0 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: 6.663 ng/ul
RT: 27.956 min Scan# 4245
Delta R.T. -0.024 min
Lab File: BM049402.D
Acq: 23 Jan 2025 03:52

Tgt Ion:276 Resp: 585101
Ion Ratio Lower Upper
276 100
138 18.7 14.1 21.1
277 24.0 19.4 29.0

