

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049406.D
 Acq On : 23 Jan 2025 06:27
 Operator : RC/JU
 Sample : Q1139-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH6

Manual Integrations
 APPROVED

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

Quant Time: Jan 23 07:00:58 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	487369	20.000	ng/ul	0.00
20) Naphthalene-d8	10.280	136	1848745	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.163	164	1197229	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.927	188	1969336	20.000	ng/ul	0.01
79) Chrysene-d12	21.150	240	1579837	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264	1686314	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	27407	2.327	ng/uL	0.00
4) Pyridine-d5	3.510	84	231568	6.175	ng/ul	0.00
7) Phenol-d5	6.716	99	560902	13.710	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	345788	12.693	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	447794	14.308	ng/ul	0.00
15) 4-Methylphenol-d8	8.234	113	434054	13.682	ng/ul	0.00
21) Nitrobenzene-d5	8.663	128	203569	14.440	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	235240	14.926	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	464292	14.437	ng/ul	0.00
31) 4-Chloroaniline-d4	10.428	131	319448	7.549	ng/ul	0.00
46) Dimethylphthalate-d6	13.586	166	1276488	14.325	ng/ul	0.00
49) Acenaphthylene-d8	13.851	160	1305246	12.831	ng/ul	0.00
54) 4-Nitrophenol-d4	14.427	143	183140	12.411	ng/ul	0.04
60) Fluorene-d10	15.163	176	970911	12.613	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.321	200	47922	3.818	ng/ul	0.03
73) Anthracene-d10	17.039	188	1165170	11.969	ng/ul	0.02
81) Pyrene-d10	19.327	212	1098903	11.429	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.733	264	613557	6.778	ng/ul	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.333	128	7292639	74.328	ng/ul	99
36) 2-Methylnaphthalene	11.957	142	5669967	80.759	ng/ul	99
37) 1-Methylnaphthalene	12.180	142	4089851	58.546	ng/ul	99
50) Acenaphthylene	13.880	152	1005884	9.645	ng/ul#	92
52) Acenaphthene	14.245	153	15248115	204.641	ng/ul	98
61) Fluorene	15.233	166	22386020m	258.943	ng/ul	
71) Pentachlorophenol	16.604	266	1646750	95.442	ng/ul	97
72) Phenanthrene	16.962	178	37448658m	342.050	ng/ul	
74) Anthracene	17.068	178	38174276m	347.379	ng/ul	
80) Fluoranthene	18.986	202	27054416m	244.879	ng/ul	
82) Pyrene	19.356	202	21222651m	180.459	ng/ul	
85) Benzo(a)anthracene	21.133	228	11004648	99.954	ng/ul	95
87) Chrysene	21.192	228	10736525	106.820	ng/ul	95
90) Benzo(b)fluoranthene	23.068	252	8810643	78.060	ng/ul	98
91) Benzo(k)fluoranthene	23.115	252	3375283	29.992	ng/ul	97
93) Benzo(a)pyrene	23.797	252	1710038	16.773	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.003	276	1039347	8.887	ng/ul	99
95) Dibenzo(a,h)anthracene	27.038	278	474913	4.986	ng/ul	96
96) Benzo(g,h,i)perylene	27.956	276	91563	1.049	ng/ul#	90

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

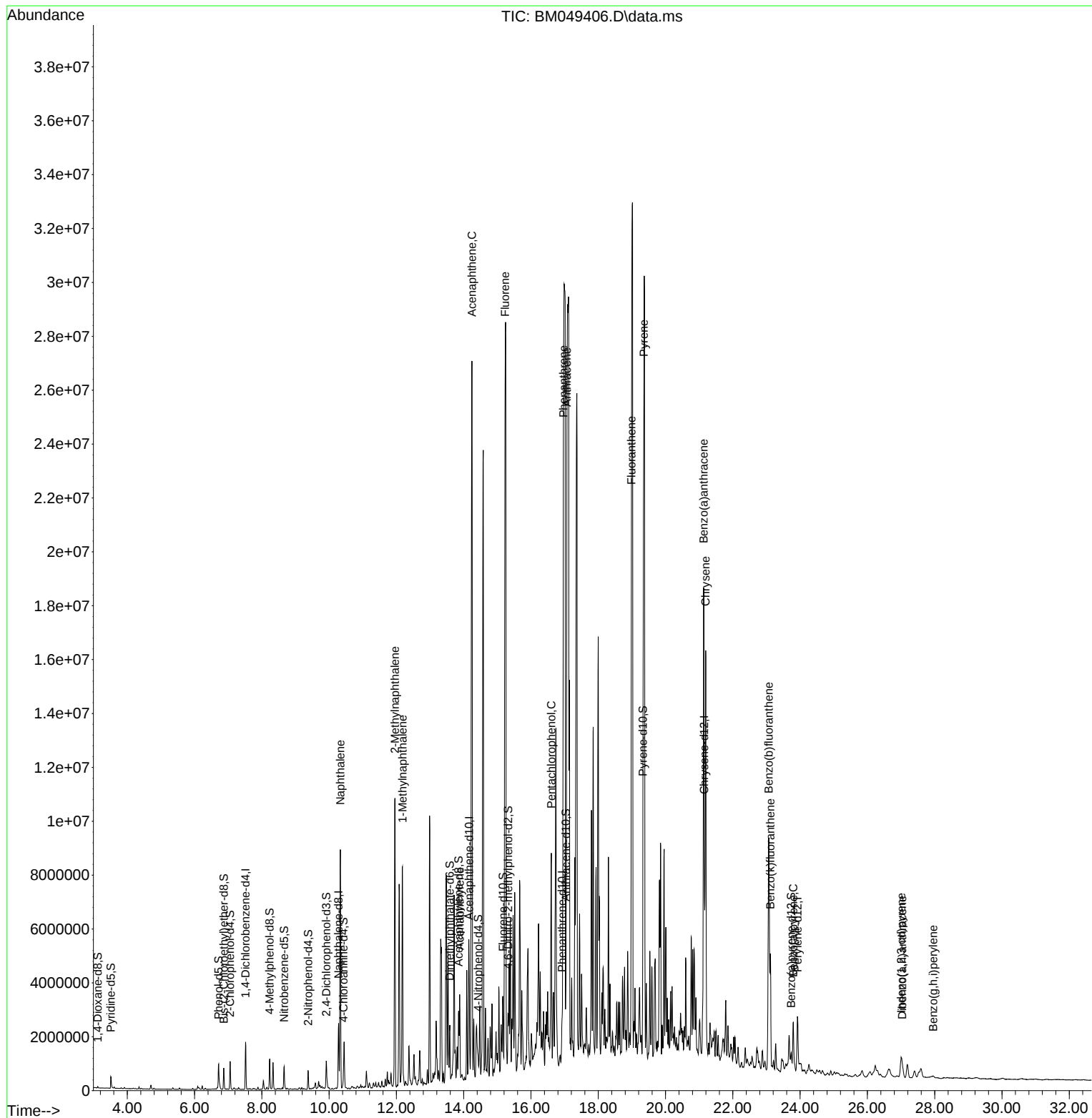
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049406.D
Acq On : 23 Jan 2025 06:27
Operator : RC/JU
Sample : Q1139-09
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ALS Vial : 28 Sample Multiplier: 1

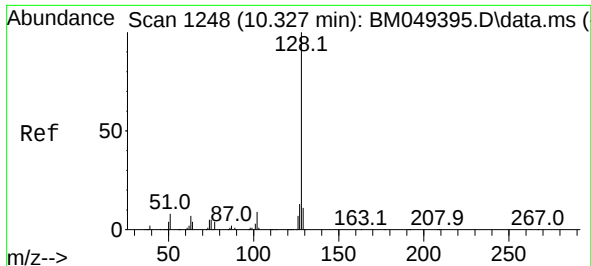
Instrument :
BNA_M
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Quant Time: Jan 23 07:00:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
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#30

Naphthalene

Concen: 74.328 ng/ul

RT: 10.333 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM049406.D

Acq: 23 Jan 2025 06:27

Instrument :

BNA_M

ClientSampleId :

DCZH6

Tgt Ion:128 Resp: 7292639

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

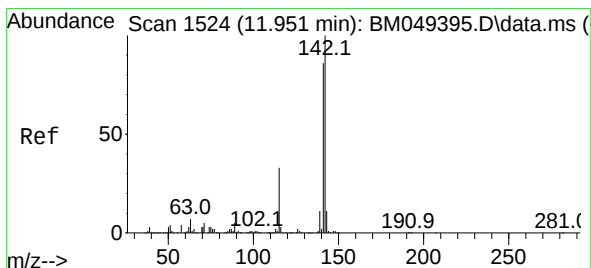
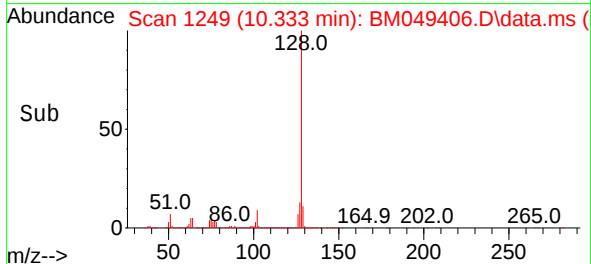
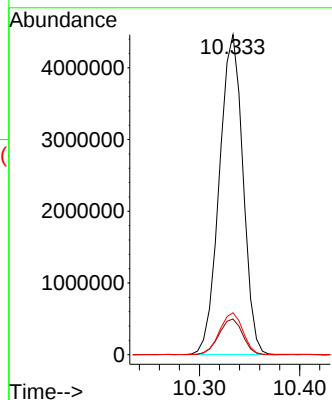
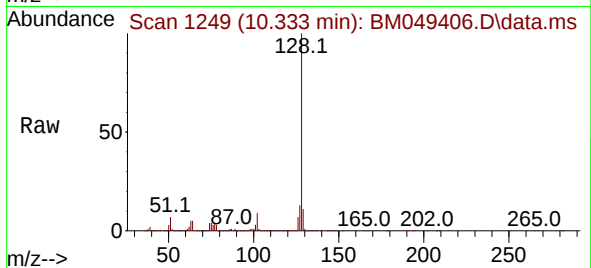
127 13.1 10.2 15.2

Manual Integrations

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#36

2-Methylnaphthalene

Concen: 80.759 ng/ul

RT: 11.957 min Scan# 1525

Delta R.T. -0.000 min

Lab File: BM049406.D

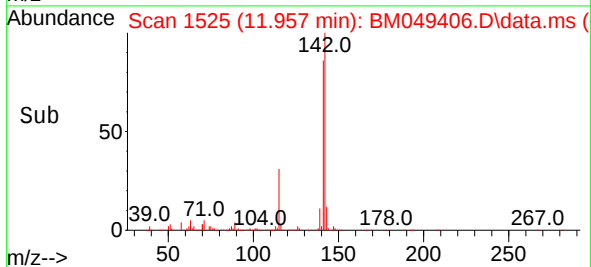
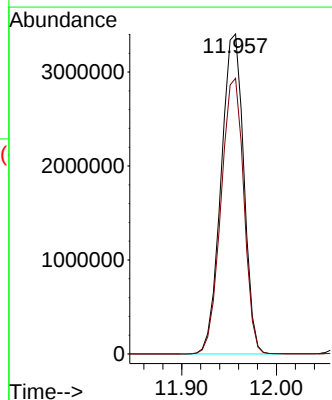
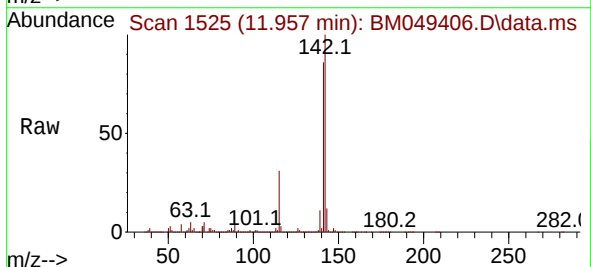
Acq: 23 Jan 2025 06:27

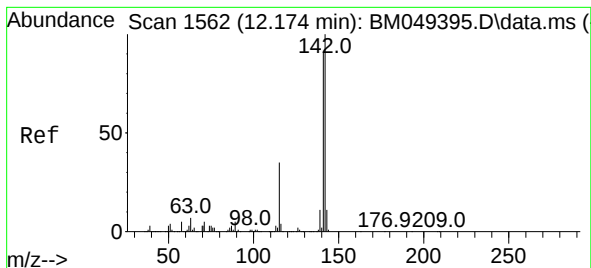
Tgt Ion:142 Resp: 5669967

Ion Ratio Lower Upper

142 100

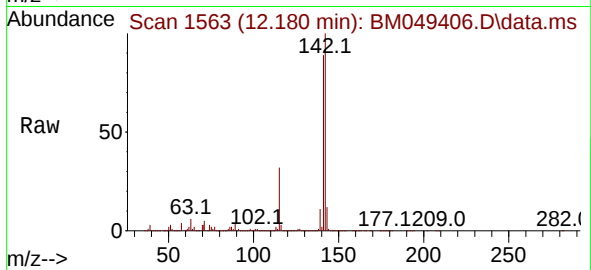
141 86.2 69.6 104.4





#37
1-Methylnaphthalene
Concen: 58.546 ng/ul
RT: 12.180 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BM049406.D
Acq: 23 Jan 2025 06:27

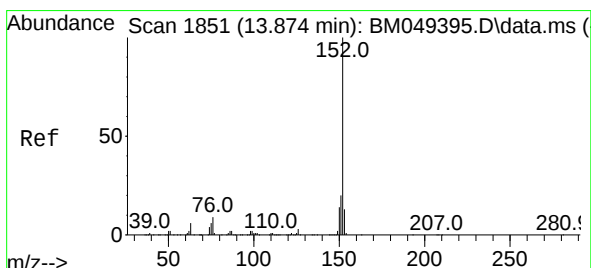
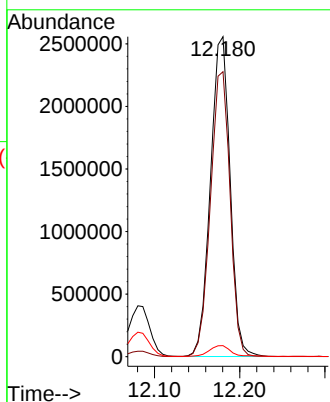
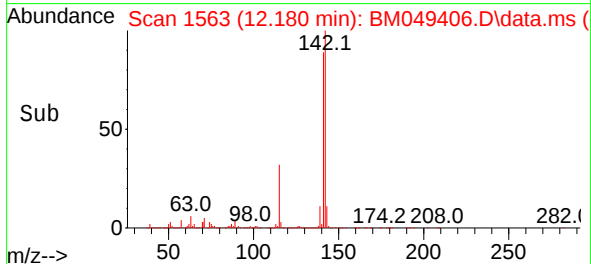
Instrument :
BNA_M
ClientSampleId :
DCZH6



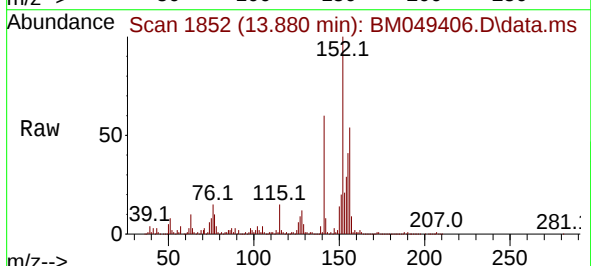
Tgt Ion:142 Resp: 408985
Ion Ratio Lower Upper
142 100
141 89.0 71.9 107.9
116 3.5 2.8 4.2

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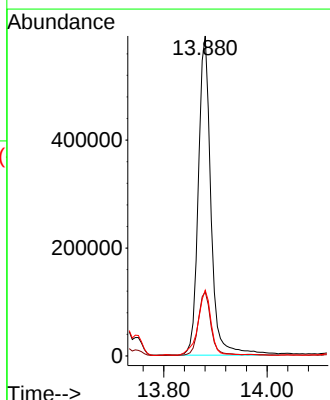
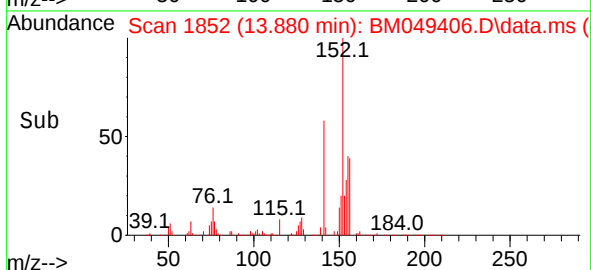
Reviewed By :Yogesh Patel 01/24/2025
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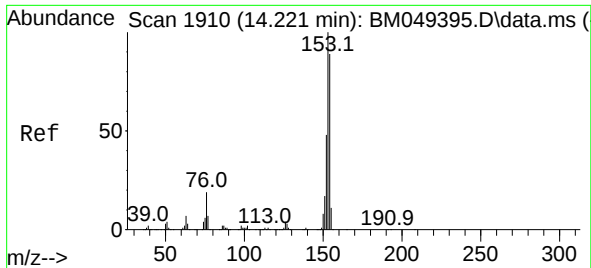


#50
Acenaphthylene
Concen: 9.645 ng/ul
RT: 13.880 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BM049406.D
Acq: 23 Jan 2025 06:27



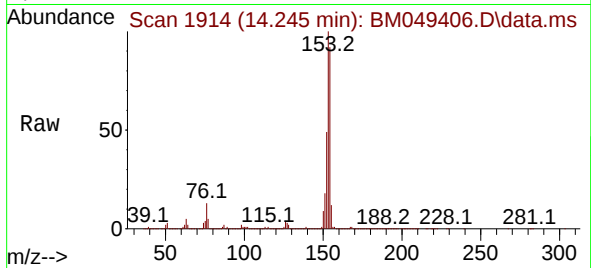
Tgt Ion:152 Resp: 1005884
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 20.6 10.6 15.8#





#52
Acenaphthene
Concen: 204.641 ng/ul
RT: 14.245 min Scan# 1914
Delta R.T. 0.018 min
Lab File: BM049406.D
Acq: 23 Jan 2025 06:27

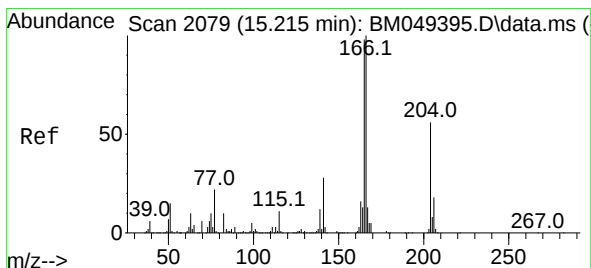
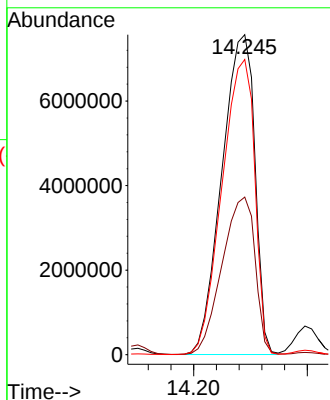
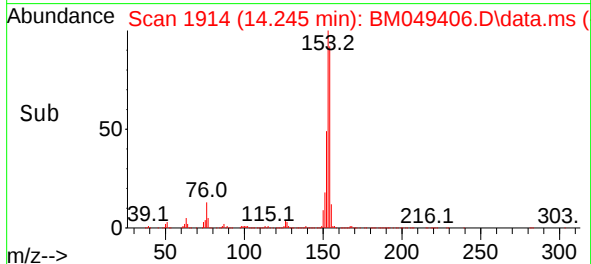
Instrument :
BNA_M
ClientSampleId :
DCZH6



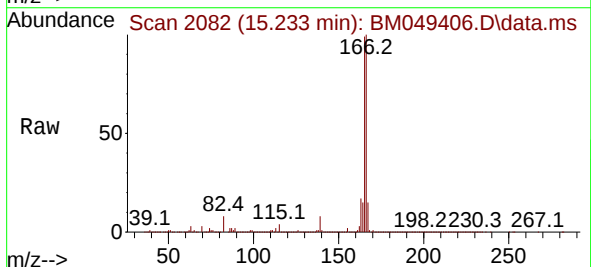
Tgt Ion:153 Resp:1524811
Ion Ratio Lower Upper
153 100
152 49.3 39.0 58.6
154 92.2 71.6 107.4

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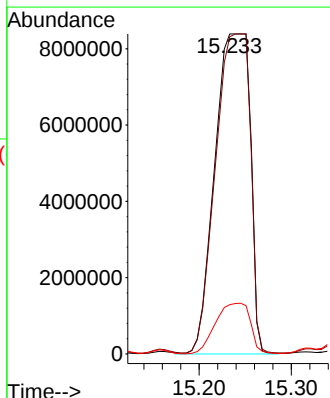
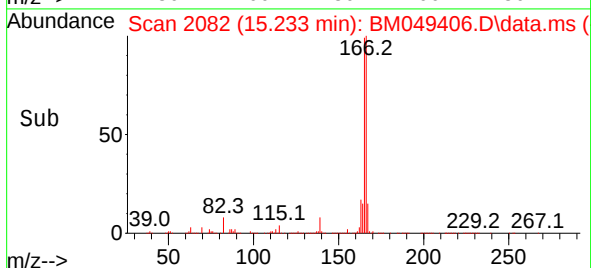
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

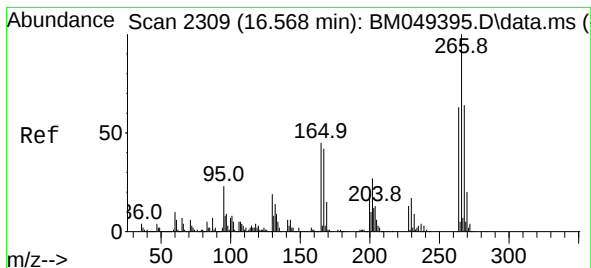


#61
Fluorene
Concen: 258.943 ng/ul m
RT: 15.233 min Scan# 2082
Delta R.T. 0.012 min
Lab File: BM049406.D
Acq: 23 Jan 2025 06:27



Tgt Ion:166 Resp:22386020
Ion Ratio Lower Upper
166 100
165 99.1 77.7 116.5
167 15.4 10.7 16.1





#71

Pentachlorophenol

Concen: 95.442 ng/ul

RT: 16.604 min Scan# 2315

Delta R.T. 0.029 min

Lab File: BM049406.D

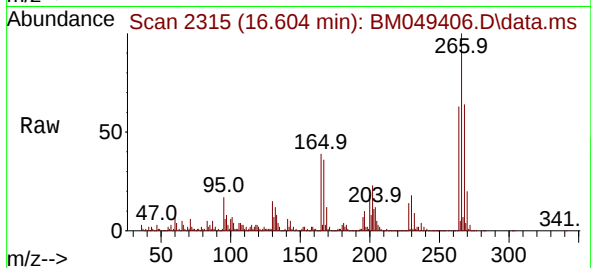
Acq: 23 Jan 2025 06:27

Instrument :

BNA_M

ClientSampleId :

DCZH6



Tgt Ion:266 Resp: 1646750

Ion Ratio Lower Upper

266 100

264 62.8 48.6 72.8

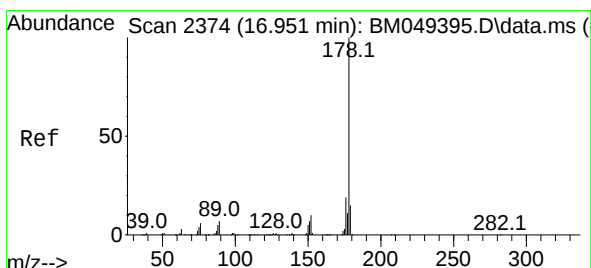
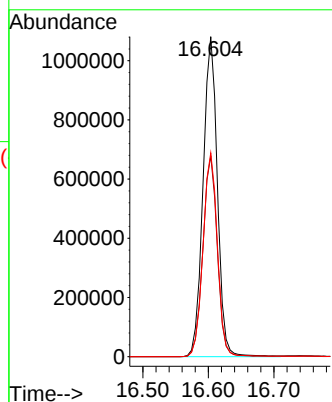
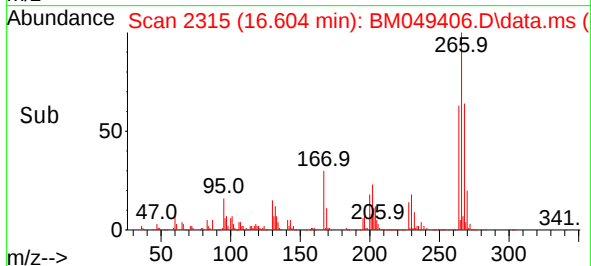
268 63.7 49.4 74.0

Manual Integrations

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#72

Phenanthrene

Concen: 342.050 ng/ul m

RT: 16.962 min Scan# 2376

Delta R.T. 0.006 min

Lab File: BM049406.D

Acq: 23 Jan 2025 06:27

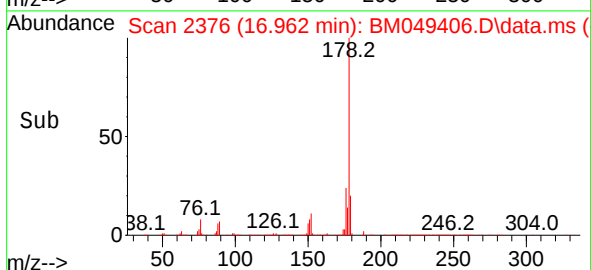
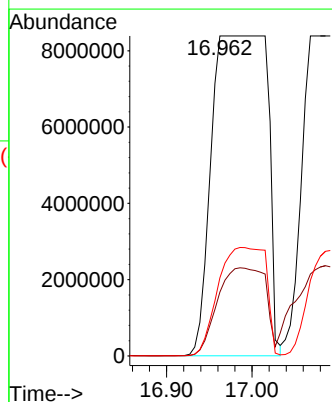
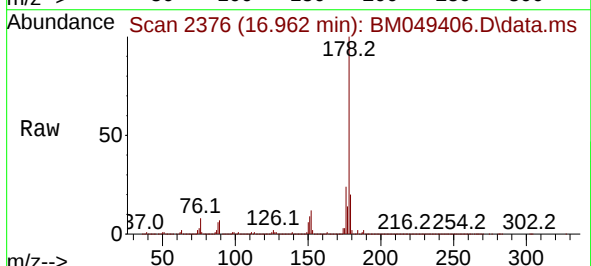
Tgt Ion:178 Resp:37448658

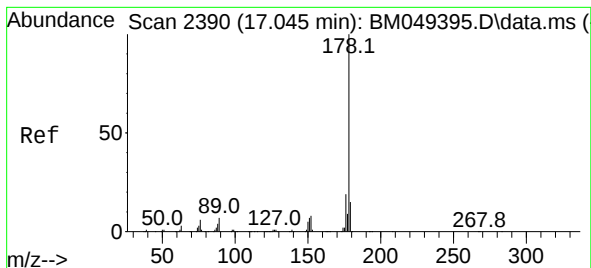
Ion Ratio Lower Upper

178 100

179 19.9 12.6 19.0#

176 24.4 15.4 23.2#





#74

Anthracene

Concen: 347.379 ng/ul m

RT: 17.068 min Scan# 2

Delta R.T. 0.018 min

Lab File: BM049406.D

Acq: 23 Jan 2025 06:27

Instrument :

BNA_M

ClientSampleId :

DCZH6

Tgt Ion:178 Resp:3817427

Ion Ratio Lower Upper

178 100

179 25.6 12.5 18.7

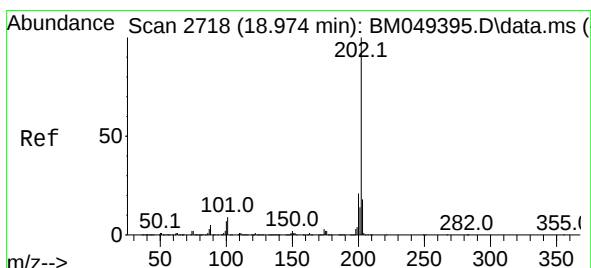
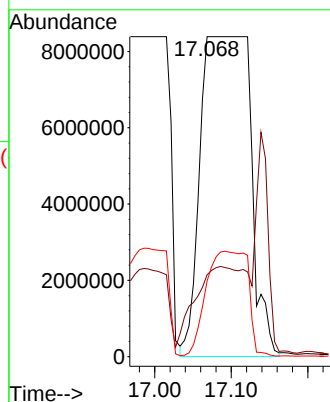
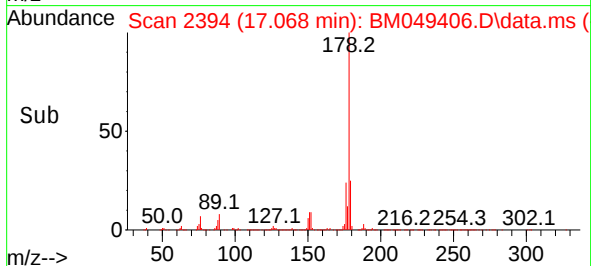
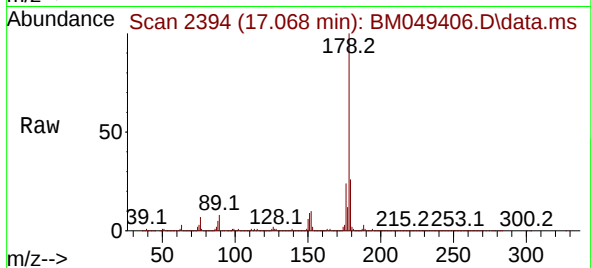
176 23.6 15.1 22.7

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#80

Fluoranthene

Concen: 244.879 ng/ul m

RT: 18.986 min Scan# 2720

Delta R.T. -0.000 min

Lab File: BM049406.D

Acq: 23 Jan 2025 06:27

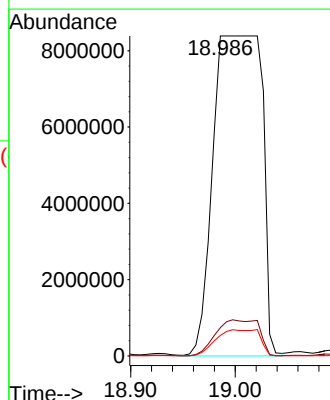
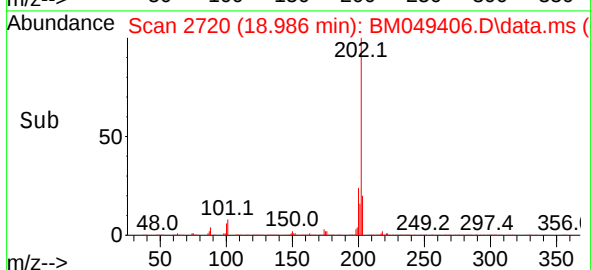
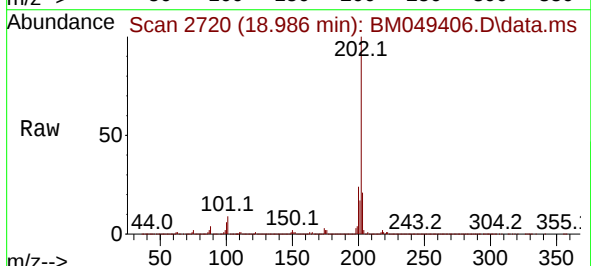
Tgt Ion:202 Resp:27054416

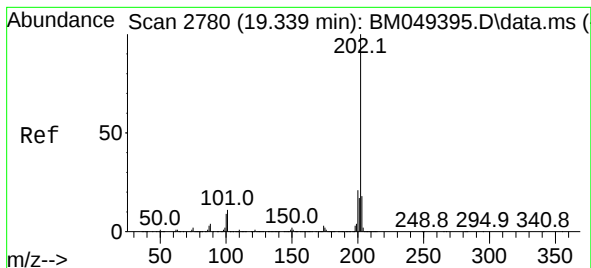
Ion Ratio Lower Upper

202 100

101 8.8 7.0 10.4

100 6.4 5.0 7.6





#82

Pyrene

Concen: 180.459 ng/ul m

RT: 19.356 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049406.D

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Instrument :

BNA_M

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DCZH6

Tgt Ion:202 Resp:2122265

Ion Ratio Lower Upper

202 100

101 12.2 7.8 11.8

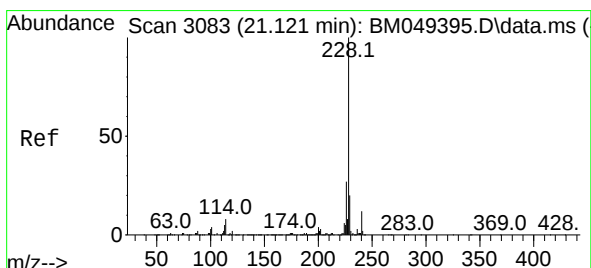
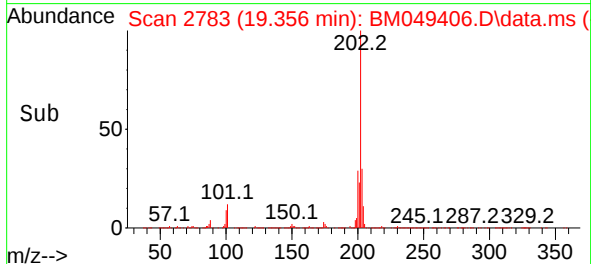
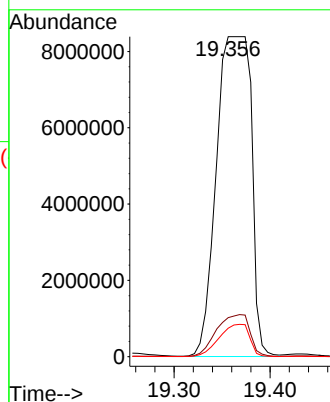
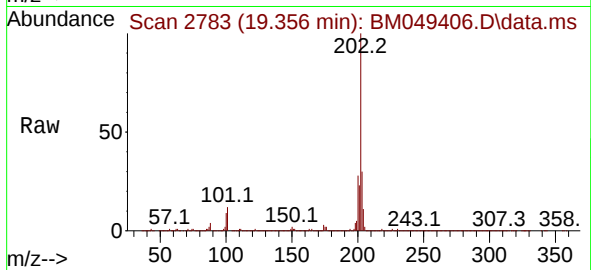
100 8.9 6.6 10.0

Manual Integrations

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Supervised By :mohammad ahmed 01/24/2025



#85

Benzo(a)anthracene

Concen: 99.954 ng/ul

RT: 21.133 min Scan# 3085

Delta R.T. -0.000 min

Lab File: BM049406.D

Acq: 23 Jan 2025 06:27

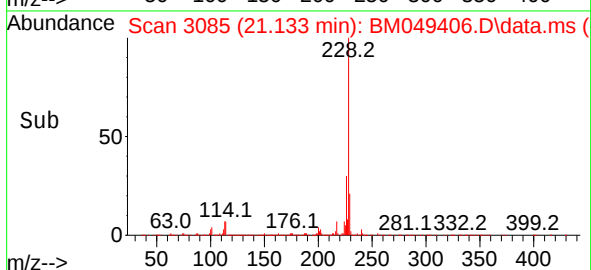
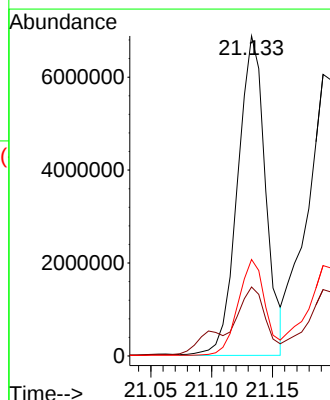
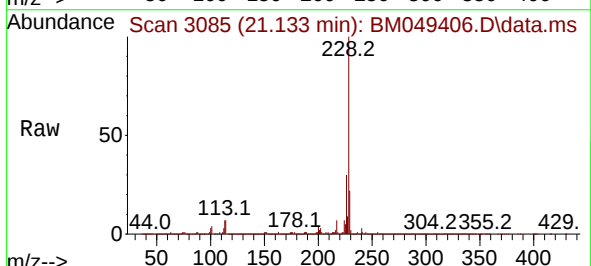
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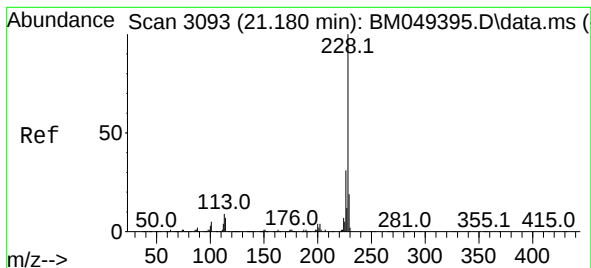
Ion Ratio Lower Upper

228 100

229 21.5 15.8 23.6

226 30.2 22.1 33.1





#87

Chrysene

Concen: 106.820 ng/ul

RT: 21.192 min Scan# 3093

Delta R.T. 0.006 min

Lab File: BM049406.D

Acq: 23 Jan 2025 06:27

Instrument :

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Tgt Ion:228 Resp:1073652

Ion Ratio Lower Upper

228 100

226 32.1 24.3 36.5

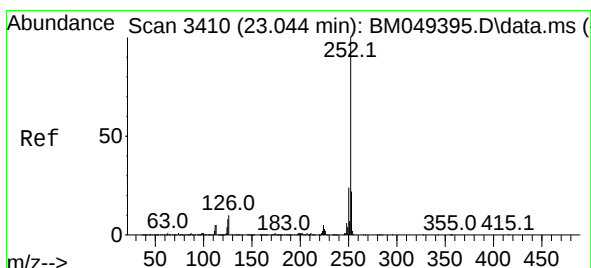
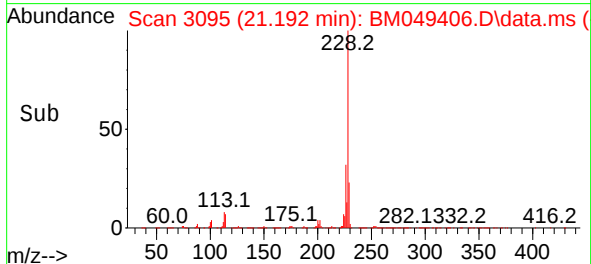
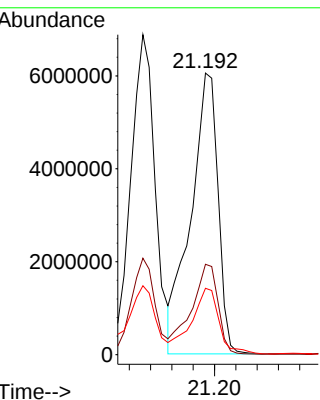
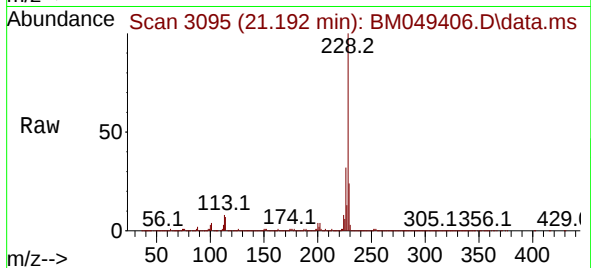
229 23.6 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#90

Benzo(b)fluoranthene

Concen: 78.060 ng/ul

RT: 23.068 min Scan# 3414

Delta R.T. 0.012 min

Lab File: BM049406.D

Acq: 23 Jan 2025 06:27

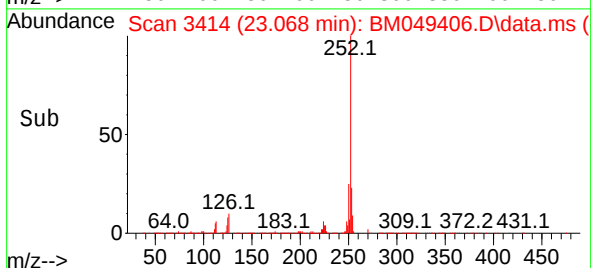
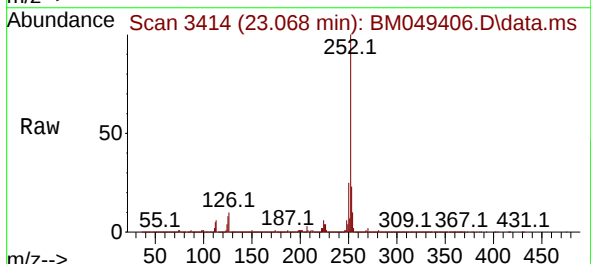
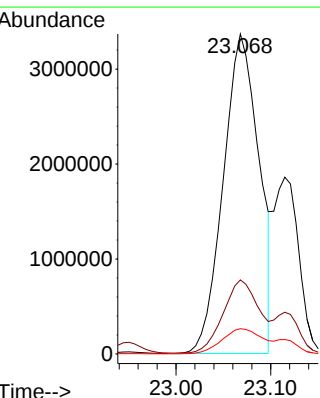
Tgt Ion:252 Resp: 8810643

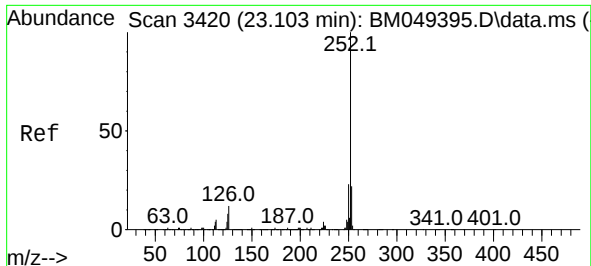
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

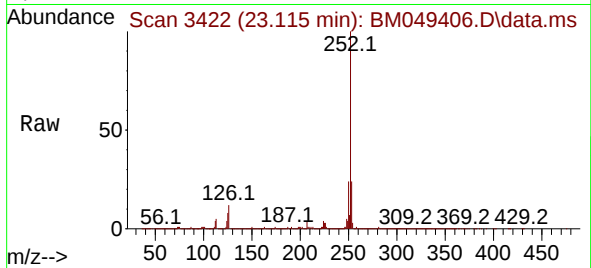
125 7.9 6.6 9.8





#91
Benzo(k)fluoranthene
Concen: 29.992 ng/ul
RT: 23.115 min Scan# 3422
Delta R.T. -0.000 min
Lab File: BM049406.D
Acq: 23 Jan 2025 06:27

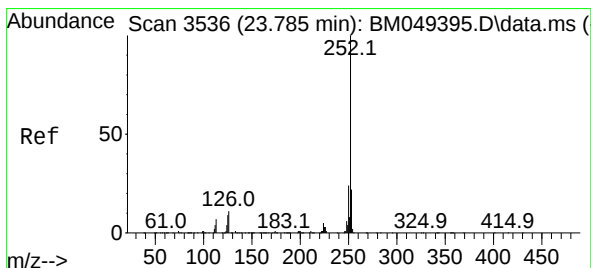
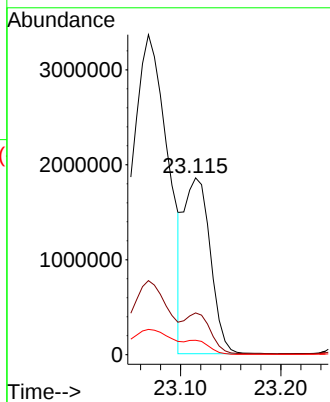
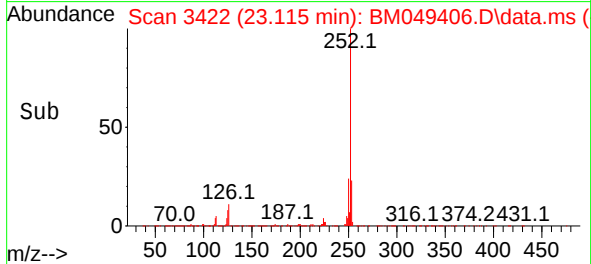
Instrument :
BNA_M
ClientSampleId :
DCZH6



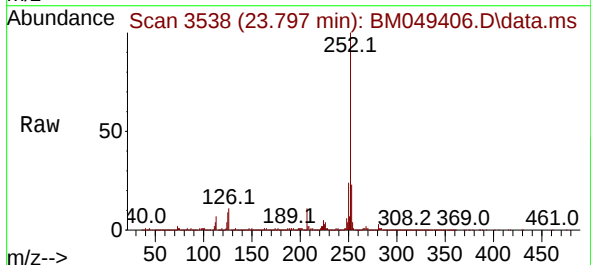
Tgt Ion:252 Resp: 337528
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 8.2 6.5 9.7

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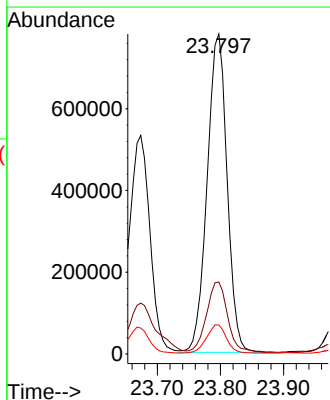
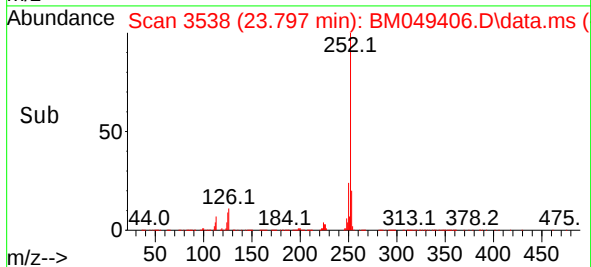
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

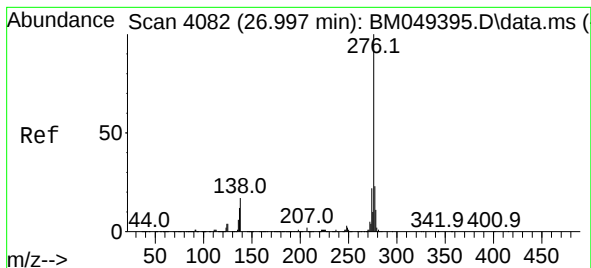


#93
Benzo(a)pyrene
Concen: 16.773 ng/ul
RT: 23.797 min Scan# 3538
Delta R.T. -0.000 min
Lab File: BM049406.D
Acq: 23 Jan 2025 06:27



Tgt Ion:252 Resp: 1710038
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 9.1 6.9 10.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 8.887 ng/ul

RT: 27.003 min Scan# 4083

Delta R.T. -0.018 min

Lab File: BM049406.D

Acq: 23 Jan 2025 06:27

Instrument :

BNA_M

ClientSampleId :

DCZH6

Tgt Ion:276 Resp: 103934

Ion Ratio Lower Upper

276 100

138 18.1 13.4 20.0

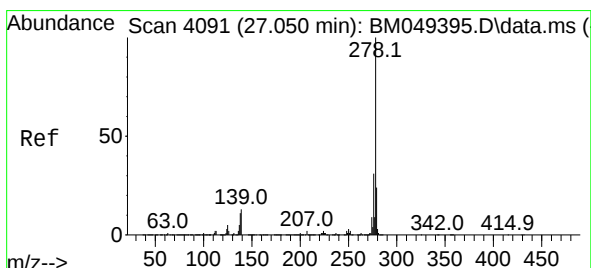
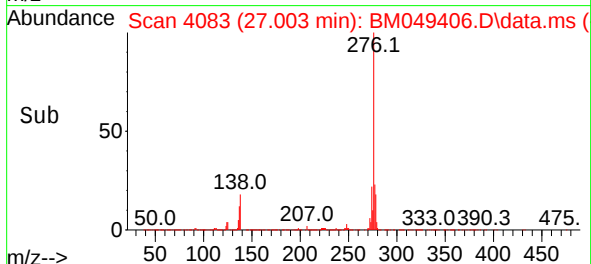
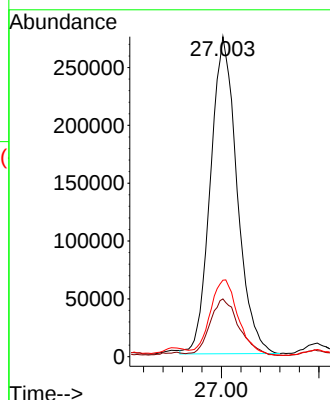
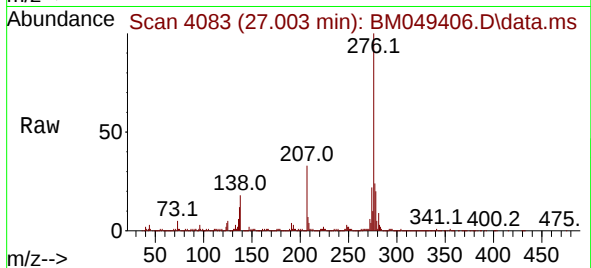
277 23.9 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#95

Dibenzo(a,h)anthracene

Concen: 4.986 ng/ul

RT: 27.038 min Scan# 4089

Delta R.T. -0.035 min

Lab File: BM049406.D

Acq: 23 Jan 2025 06:27

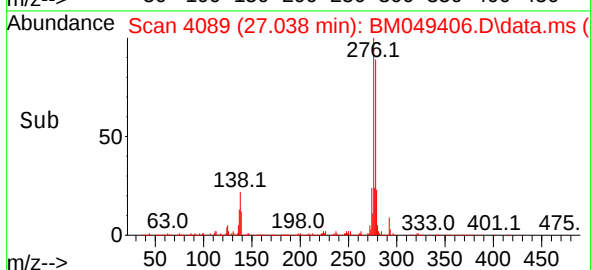
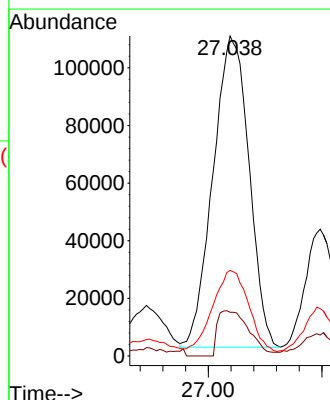
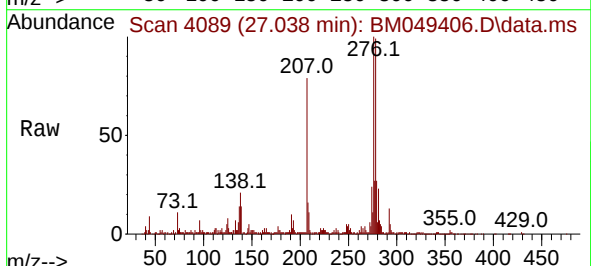
Tgt Ion:278 Resp: 474913

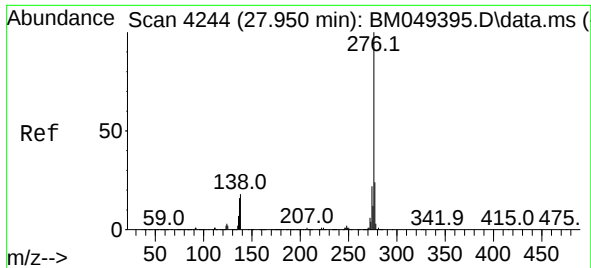
Ion Ratio Lower Upper

278 100

139 13.6 9.9 14.9

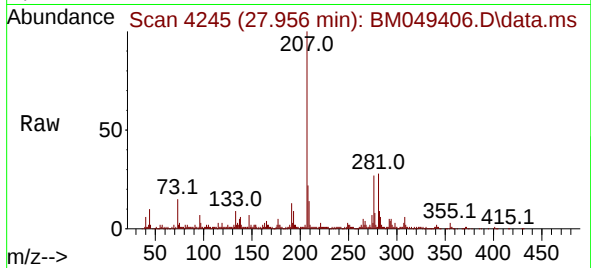
279 26.8 19.4 29.0





#96
Benzo(g,h,i)perylene
Concen: 1.049 ng/ul
RT: 27.956 min Scan# 41
Delta R.T. -0.024 min
Lab File: BM049406.D
Acq: 23 Jan 2025 06:27

Instrument :
BNA_M
ClientSampleId :
DCZH6



Tgt Ion:276 Resp: 9156
Ion Ratio Lower Upper
276 100
138 22.8 14.1 21.1
277 28.3 19.4 29.0

Manual Integrations
APPROVED

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

