

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049398.D
 Acq On : 23 Jan 2025 01:17
 Operator : RC/JU
 Sample : Q1139-19
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZJ6

Manual Integrations
 APPROVED

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

Quant Time: Jan 24 00:57:38 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	279404	20.000	ng/ul	0.00
20) Naphthalene-d8	10.280	136	1023000	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.157	164	651502	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.909	188	1352633	20.000	ng/ul	0.00
79) Chrysene-d12	21.150	240	1521222	20.000	ng/ul	0.00
88) Perylene-d12	23.932	264	1524409	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	17712	2.623	ng/uL	0.00
4) Pyridine-d5	3.522	84	56502	2.628	ng/ul	0.01
7) Phenol-d5	6.710	99	318956	13.599	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	232637	14.896	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	253946	14.154	ng/ul	0.00
15) 4-Methylphenol-d8	8.228	113	241605	13.284	ng/ul	-0.01
21) Nitrobenzene-d5	8.663	128	113480	14.547	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	116272	13.333	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	249420	14.016	ng/ul	0.00
31) 4-Chloroaniline-d4	10.433	131	70027m	2.991	ng/ul	0.00
46) Dimethylphthalate-d6	13.580	166	706320	14.566	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	793563	14.336	ng/ul	0.00
54) 4-Nitrophenol-d4	14.386	143	70158m	8.737	ng/ul	0.00
60) Fluorene-d10	15.157	176	602060	14.372	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	59086	6.854	ng/ul	0.00
73) Anthracene-d10	17.009	188	941275	14.077	ng/ul	0.00
81) Pyrene-d10	19.315	212	922087	9.960	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.744	264	490346	5.992	ng/ul	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.327	128	288358	5.311	ng/ul	98
36) 2-Methylnaphthalene	11.951	142	74936	1.929	ng/ul	99
50) Acenaphthylene	13.874	152	640925	11.294	ng/ul	100
61) Fluorene	15.210	166	129837	2.760	ng/ul	99
71) Pentachlorophenol	16.568	266	42980	3.627	ng/ul	97
72) Phenanthrene	16.951	178	1550894	20.624	ng/ul	99
74) Anthracene	17.045	178	4300509	56.976	ng/ul	100
80) Fluoranthene	18.986	202	13210656	124.182	ng/ul	100
82) Pyrene	19.350	202	9942357	87.799	ng/ul	99
85) Benzo(a)anthracene	21.133	228	7455745	70.329	ng/ul	92
87) Chrysene	21.197	228	13050786	134.848	ng/ul	97
90) Benzo(b)fluoranthene	23.085	252	17470908	171.228	ng/ul	97
91) Benzo(k)fluoranthene	23.133	252	5552855	54.582	ng/ul	97
93) Benzo(a)pyrene	23.803	252	2080914	22.579	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.026	276	2267601	21.449	ng/ul	97
95) Dibenzo(a,h)anthracene	27.062	278	1043913	12.123	ng/ul	95
96) Benzo(g,h,i)perylene	27.973	276	200468	2.540	ng/ul#	92

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

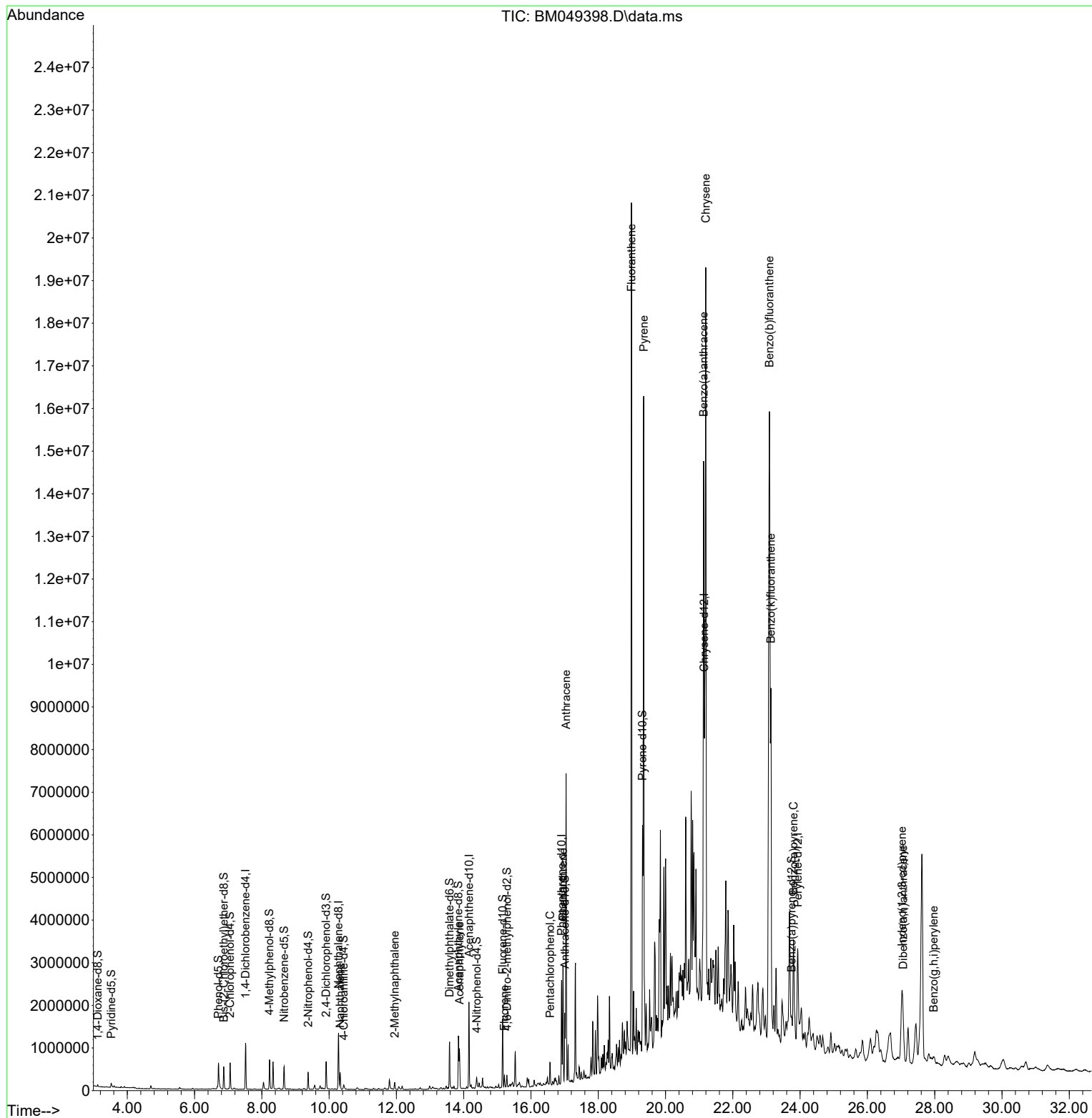
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049398.D
Acq On : 23 Jan 2025 01:17
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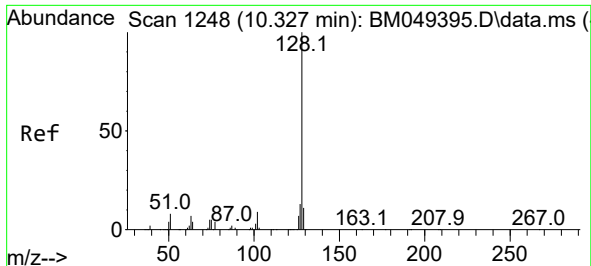
Instrument :
BNA_M
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Quant Time: Jan 24 00:57:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
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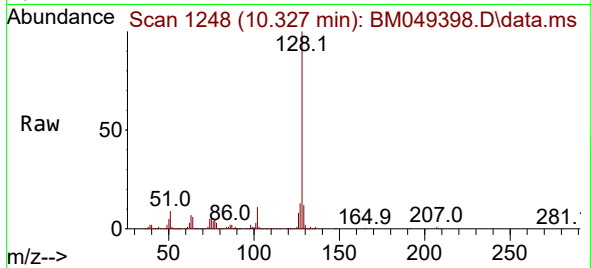
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025





#30
Naphthalene
Concen: 5.311 ng/ul
RT: 10.327 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BM049398.D
Acq: 23 Jan 2025 01:17

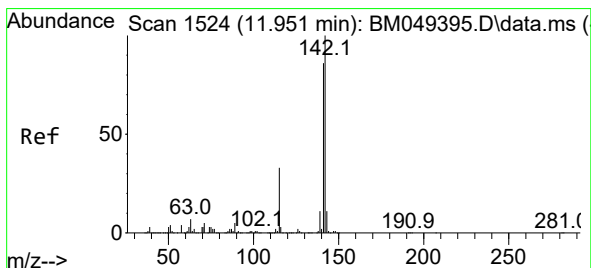
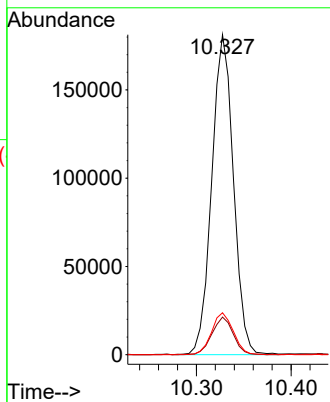
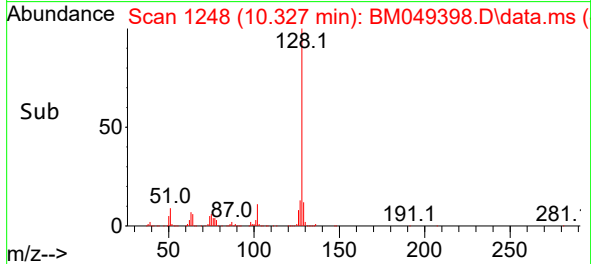
Instrument :
BNA_M
ClientSampleId :
DCZJ6



Tgt Ion:128 Resp: 288358
Ion Ratio Lower Upper
128 100
129 11.8 8.5 12.7
127 13.1 10.2 15.2

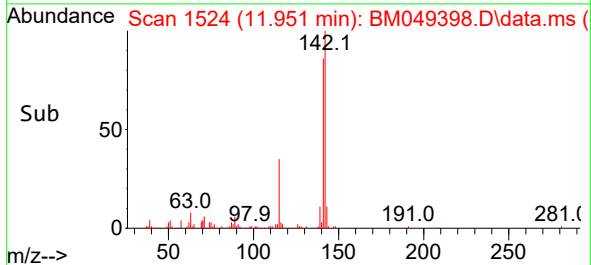
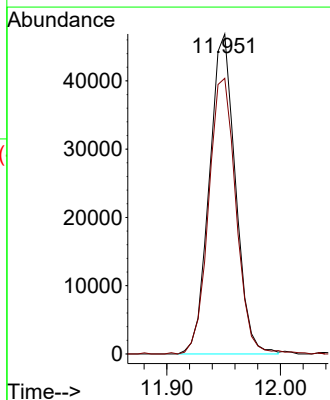
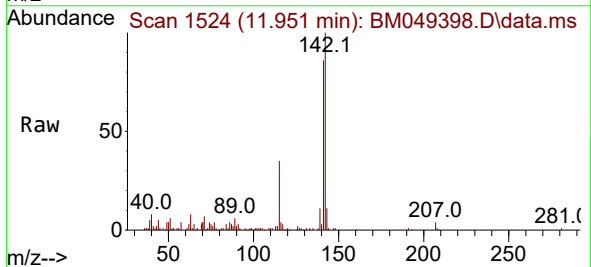
Manual Integrations
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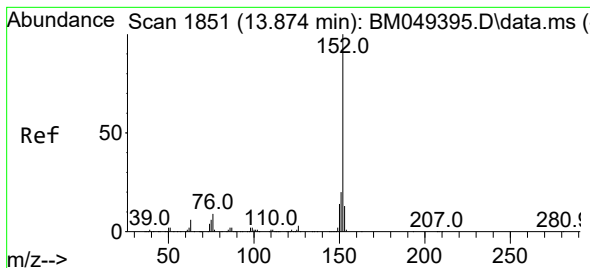
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#36
2-Methylnaphthalene
Concen: 1.929 ng/ul
RT: 11.951 min Scan# 1524
Delta R.T. -0.006 min
Lab File: BM049398.D
Acq: 23 Jan 2025 01:17

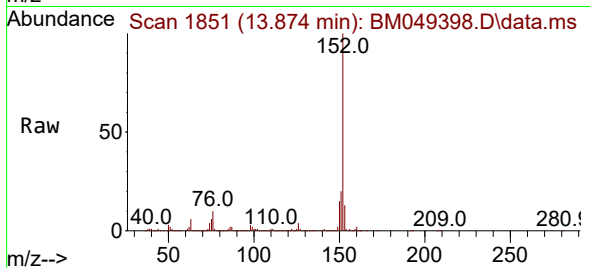
Tgt Ion:142 Resp: 74936
Ion Ratio Lower Upper
142 100
141 86.2 69.6 104.4





#50
Acenaphthylene
Concen: 11.294 ng/ul
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049398.D
Acq: 23 Jan 2025 01:17

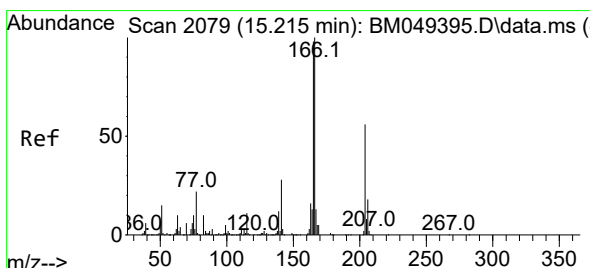
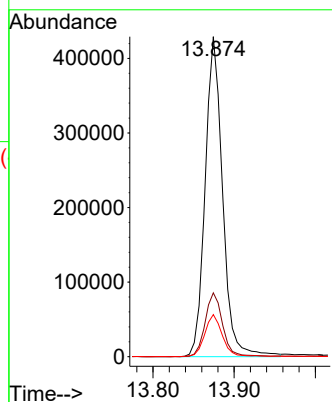
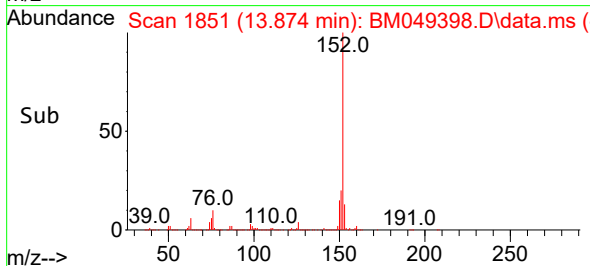
Instrument :
BNA_M
ClientSampleId :
DCZJ6



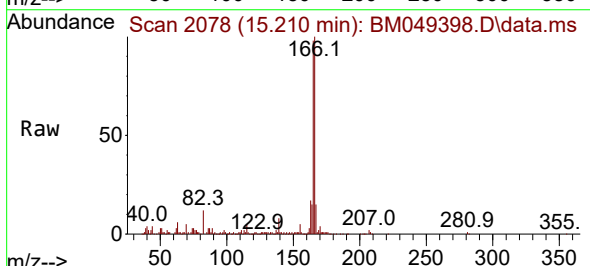
Tgt Ion:152 Resp: 640925
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 13.2 10.6 15.8

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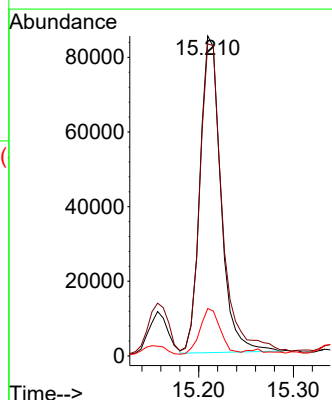
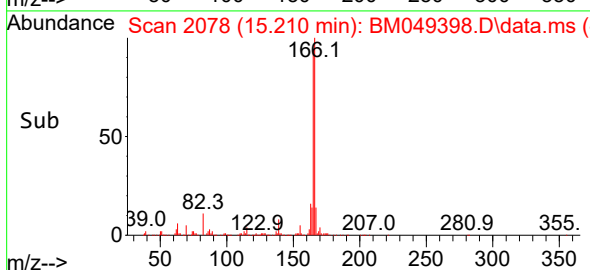
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

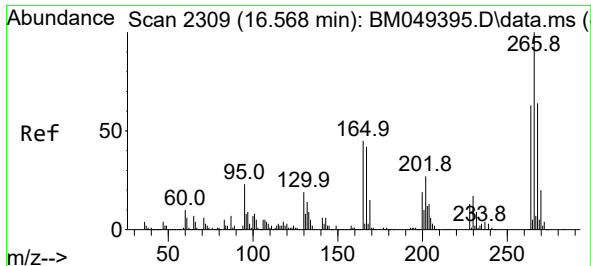


#61
Fluorene
Concen: 2.760 ng/ul
RT: 15.210 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BM049398.D
Acq: 23 Jan 2025 01:17



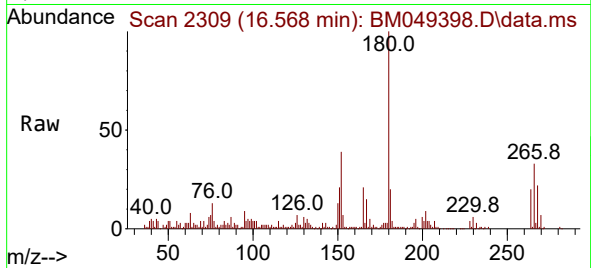
Tgt Ion:166 Resp: 129837
Ion Ratio Lower Upper
166 100
165 97.6 77.7 116.5
167 14.8 10.7 16.1





#71
Pentachlorophenol
Concen: 3.627 ng/ul
RT: 16.568 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049398.D
Acq: 23 Jan 2025 01:17

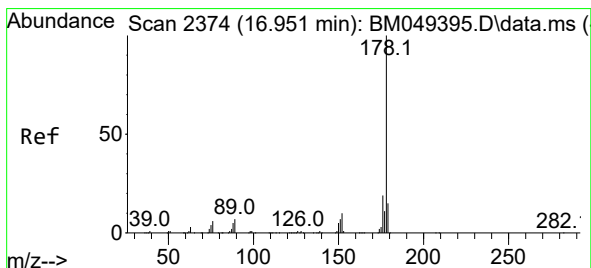
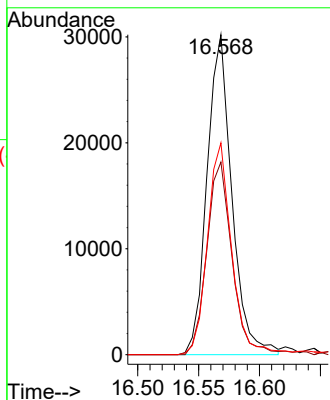
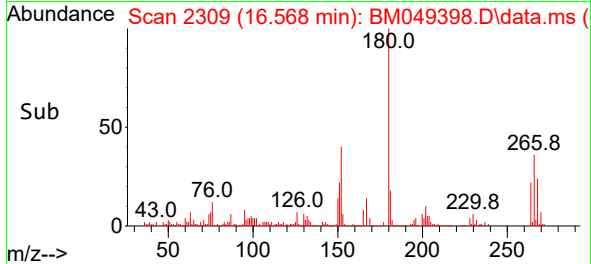
Instrument :
BNA_M
ClientSampleId :
DCZJ6



Tgt Ion:266 Resp: 42980
Ion Ratio Lower Upper
266 100
264 60.2 48.6 72.8
268 66.2 49.4 74.0

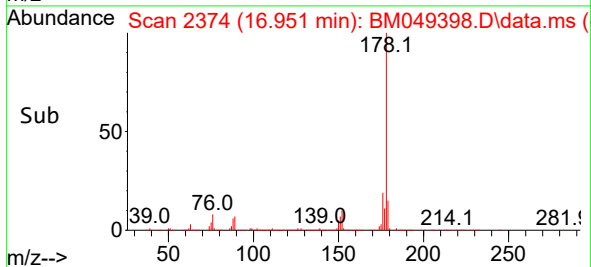
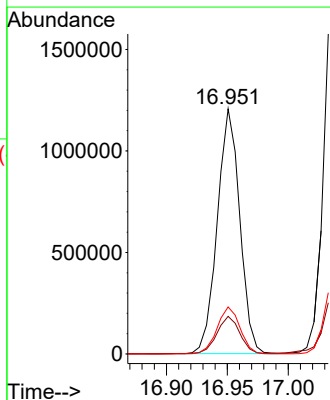
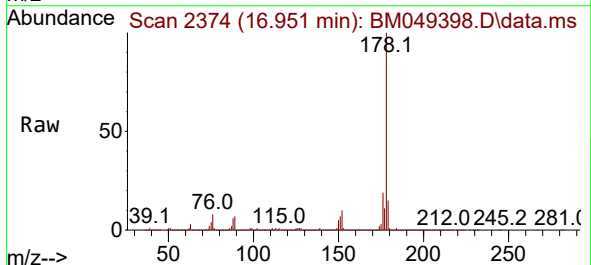
Manual Integrations
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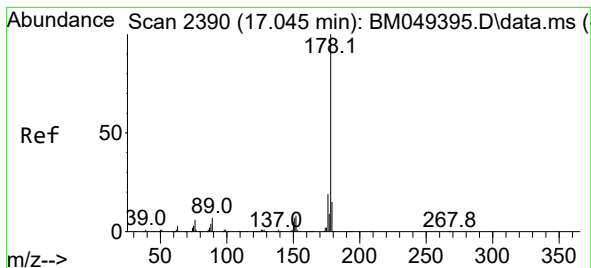
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#72
Phenanthrene
Concen: 20.624 ng/ul
RT: 16.951 min Scan# 2374
Delta R.T. -0.006 min
Lab File: BM049398.D
Acq: 23 Jan 2025 01:17

Tgt Ion:178 Resp: 1550894
Ion Ratio Lower Upper
178 100
179 15.3 12.6 19.0
176 19.2 15.4 23.2





#74

Anthracene

Concen: 56.976 ng/ul

RT: 17.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049398.D

Acq: 23 Jan 2025 01:17

Instrument :

BNA_M

ClientSampleId :

DCZJ6

Tgt Ion:178 Resp: 4300509

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

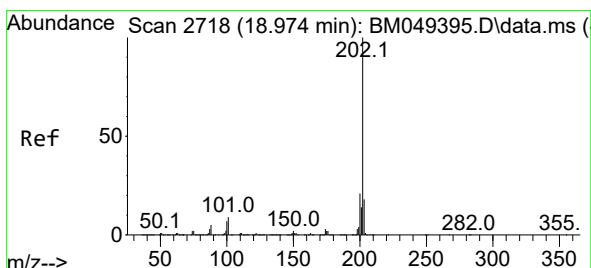
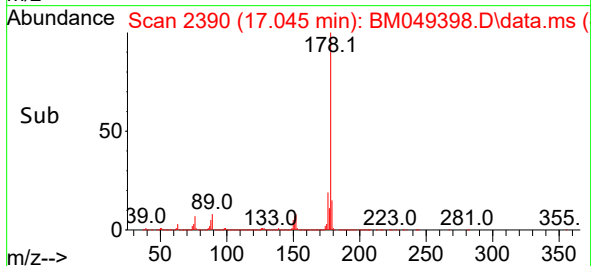
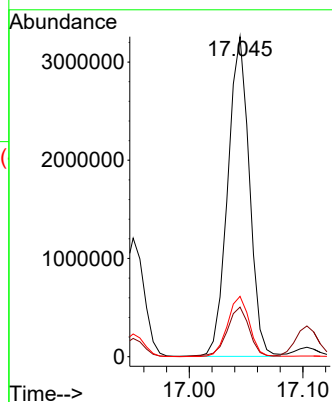
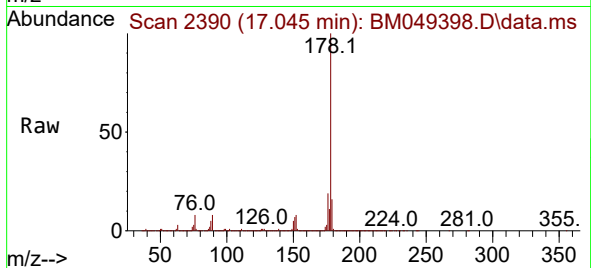
176 18.9 15.1 22.7

Manual Integrations

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#80

Fluoranthene

Concen: 124.182 ng/ul

RT: 18.986 min Scan# 2720

Delta R.T. -0.000 min

Lab File: BM049398.D

Acq: 23 Jan 2025 01:17

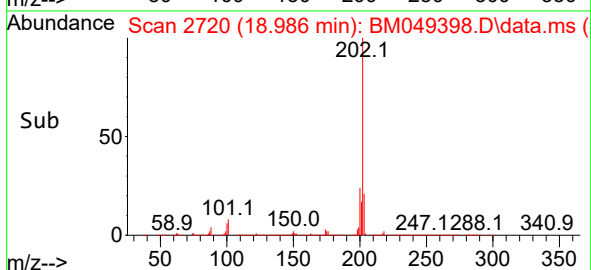
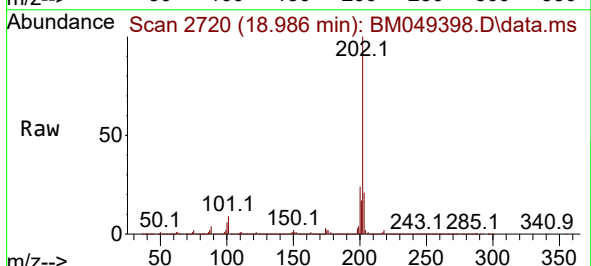
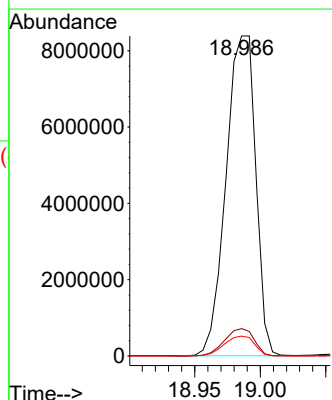
Tgt Ion:202 Resp:13210656

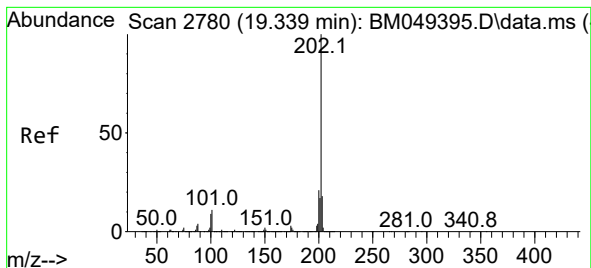
Ion Ratio Lower Upper

202 100

101 8.5 7.0 10.4

100 6.2 5.0 7.6





#82

Pyrene

Concen: 87.799 ng/ul

RT: 19.350 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM049398.D

Acq: 23 Jan 2025 01:17

Instrument :

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ClientSampleId :

DCZJ6

Tgt Ion:202 Resp: 994235

Ion Ratio Lower Upper

202 100

101 9.6 7.8 11.8

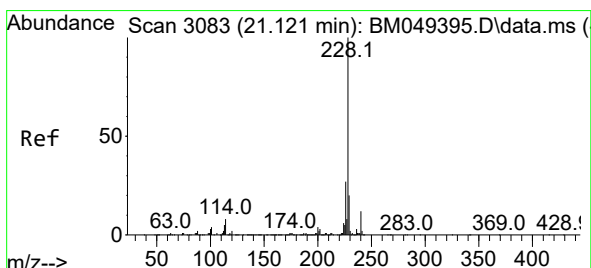
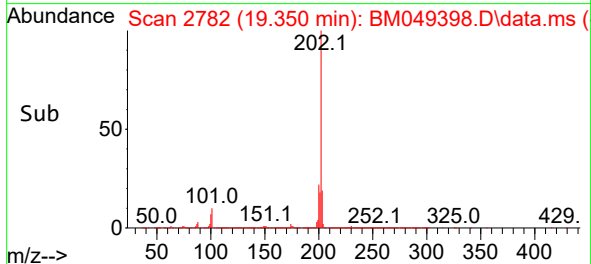
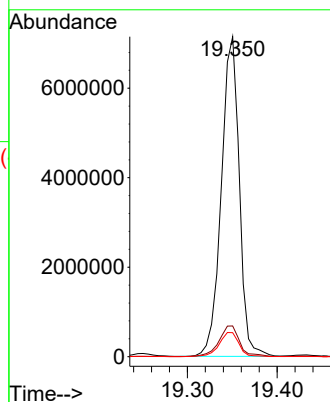
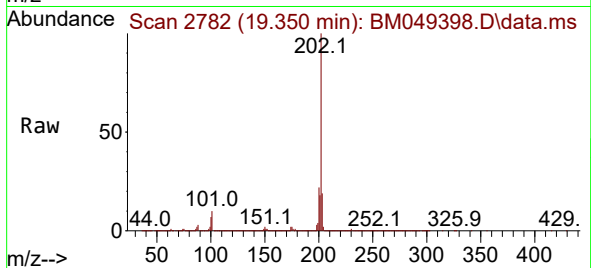
100 7.5 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#85

Benzo(a)anthracene

Concen: 70.329 ng/ul

RT: 21.133 min Scan# 3085

Delta R.T. -0.000 min

Lab File: BM049398.D

Acq: 23 Jan 2025 01:17

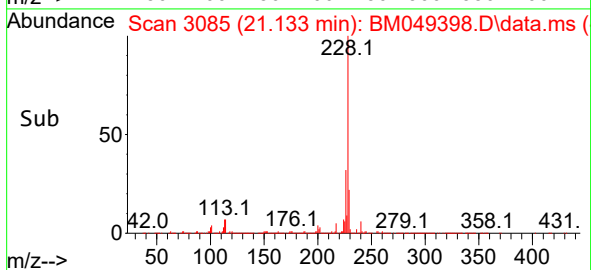
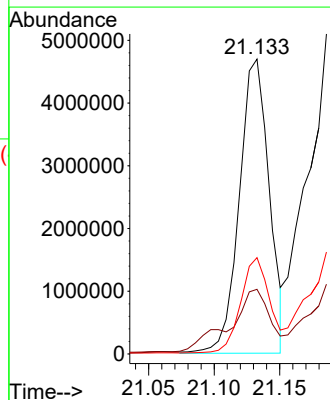
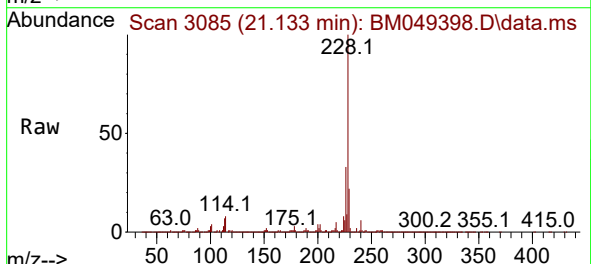
Tgt Ion:228 Resp: 7455745

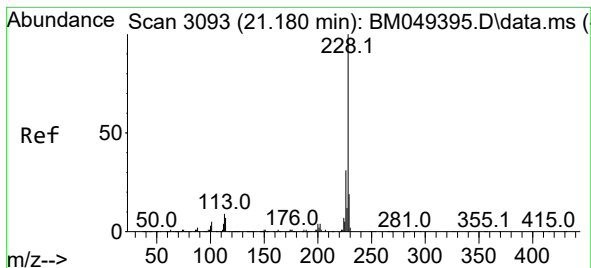
Ion Ratio Lower Upper

228 100

229 21.9 15.8 23.6

226 32.6 22.1 33.1





#87

Chrysene

Concen: 134.848 ng/ul

RT: 21.197 min Scan# 3096

Delta R.T. 0.012 min

Lab File: BM049398.D

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Instrument :

BNA_M

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Tgt Ion:228 Resp:13050780

Ion Ratio Lower Upper

228 100

226 32.2 24.3 36.5

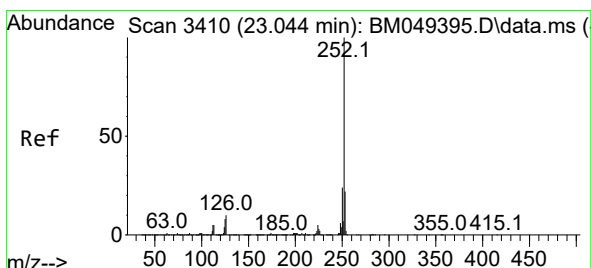
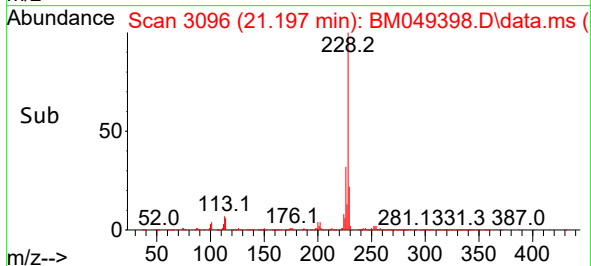
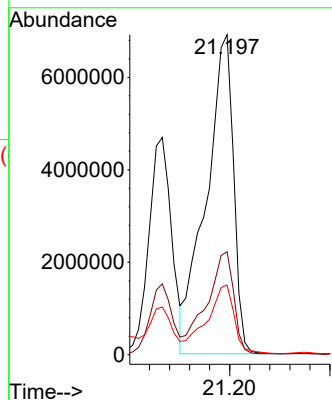
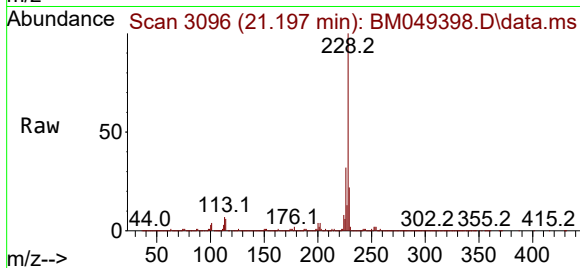
229 21.7 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#90

Benzo(b)fluoranthene

Concen: 171.228 ng/ul

RT: 23.085 min Scan# 3417

Delta R.T. 0.029 min

Lab File: BM049398.D

Acq: 23 Jan 2025 01:17

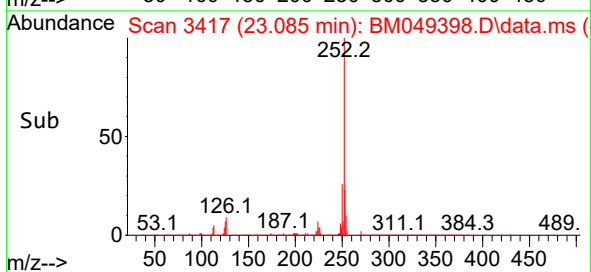
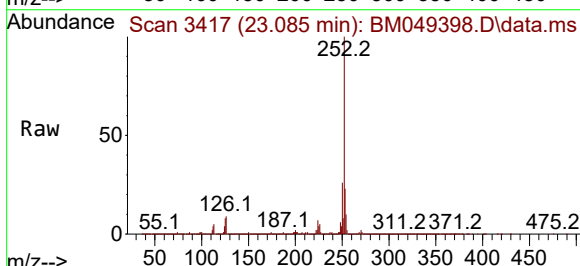
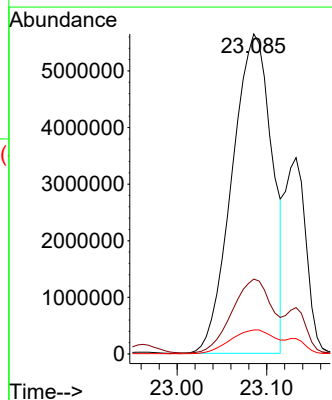
Tgt Ion:252 Resp:17470908

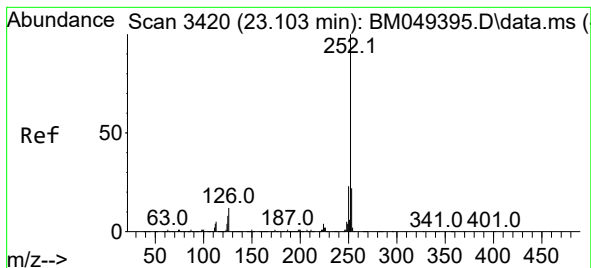
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 7.5 6.6 9.8





#91

Benzo(k)fluoranthene

Concen: 54.582 ng/ul

RT: 23.133 min Scan# 3420

Delta R.T. 0.018 min

Lab File: BM049398.D

Acq: 23 Jan 2025 01:17

Instrument :

BNA_M

ClientSampleId :

DCZJ6

Tgt Ion:252 Resp: 555285

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

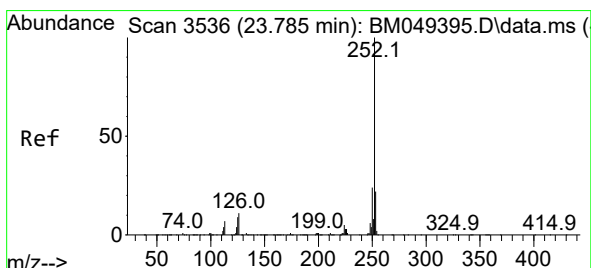
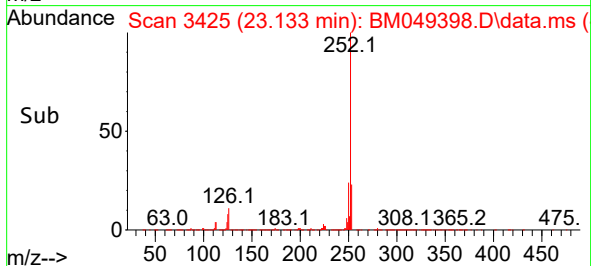
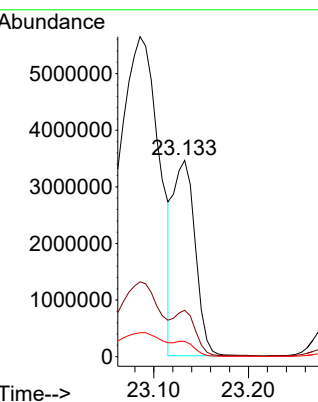
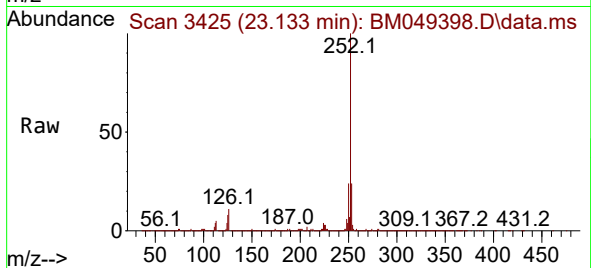
125 7.8 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#93

Benzo(a)pyrene

Concen: 22.579 ng/ul

RT: 23.803 min Scan# 3539

Delta R.T. 0.006 min

Lab File: BM049398.D

Acq: 23 Jan 2025 01:17

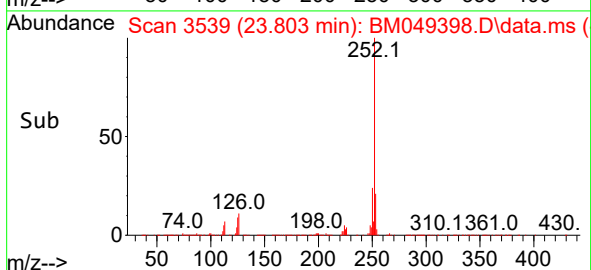
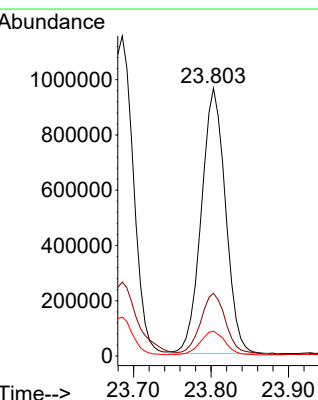
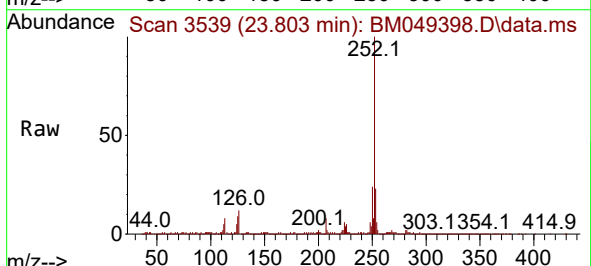
Tgt Ion:252 Resp: 2080914

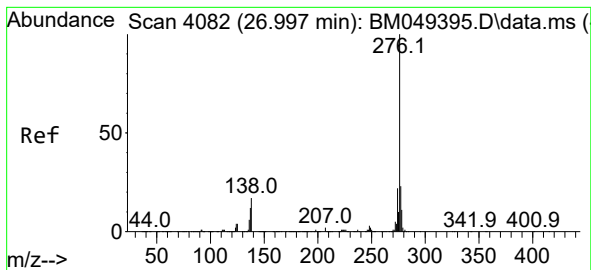
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 9.2 6.9 10.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 21.449 ng/ul

RT: 27.026 min Scan# 4087

Delta R.T. 0.006 min

Lab File: BM049398.D

Acq: 23 Jan 2025 01:17

Instrument :

BNA_M

ClientSampleId :

DCZJ6

Tgt Ion:276 Resp: 226760

Ion Ratio Lower Upper

276 100

138 18.5 13.4 20.0

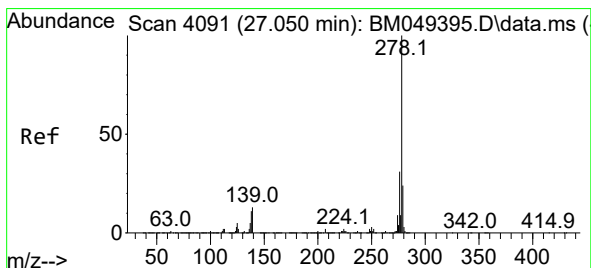
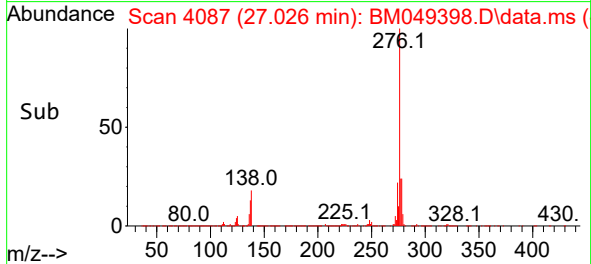
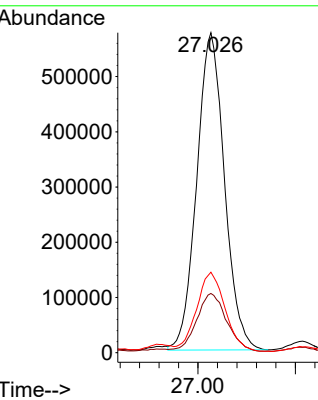
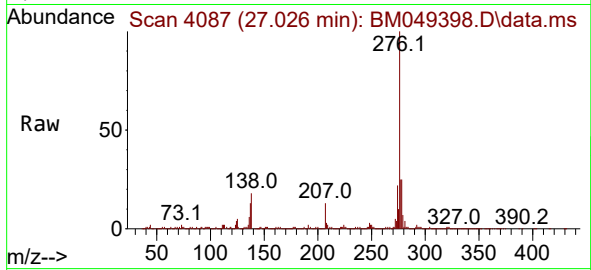
277 25.2 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#95

Dibenzo(a,h)anthracene

Concen: 12.123 ng/ul

RT: 27.062 min Scan# 4093

Delta R.T. -0.012 min

Lab File: BM049398.D

Acq: 23 Jan 2025 01:17

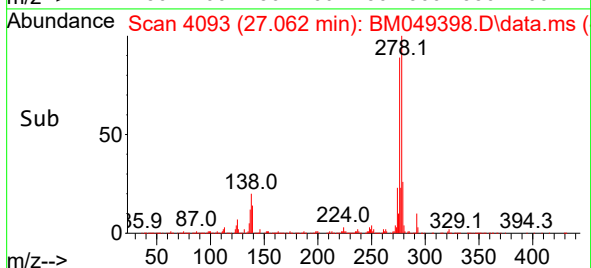
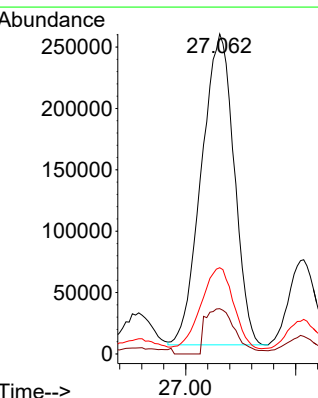
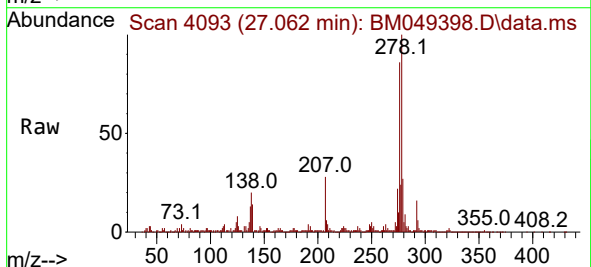
Tgt Ion:278 Resp: 1043913

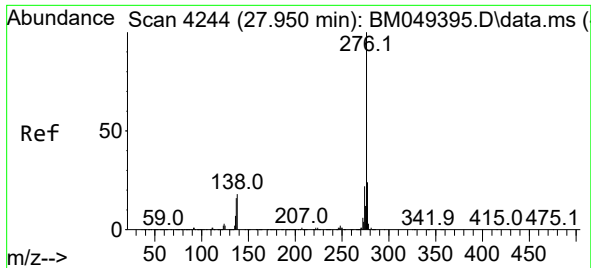
Ion Ratio Lower Upper

278 100

139 14.2 9.9 14.9

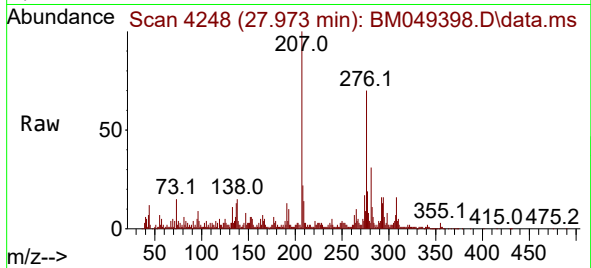
279 26.9 19.4 29.0





#96
 Benzo(g,h,i)perylene
 Concen: 2.540 ng/ul
 RT: 27.973 min Scan# 4248
 Delta R.T. -0.006 min
 Lab File: BM049398.D
 Acq: 23 Jan 2025 01:17

Instrument :
 BNA_M
 ClientSampleId :
 DCZJ6



Tgt Ion:276 Resp: 200468
 Ion Ratio Lower Upper
 276 100
 138 21.3 14.1 21.1
 277 27.7 19.4 29.0

Manual Integrations
 APPROVED

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

