

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049401.D
 Acq On : 23 Jan 2025 03:13
 Operator : RC/JU
 Sample : Q1139-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH9

Manual Integrations
 APPROVED

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

Quant Time: Jan 23 03:55:44 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	385863	20.000	ng/ul	0.00
20) Naphthalene-d8	10.281	136	1381037	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.163	164	826967	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.933	188	1244600m	20.000	ng/ul	0.02
79) Chrysene-d12	21.174	240	1186049	20.000	ng/ul	0.03
88) Perylene-d12	23.938	264	1418857	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	35834	3.842	ng/uL	0.00
4) Pyridine-d5	3.522	84	36461	1.228	ng/ul	0.01
7) Phenol-d5	6.710	99	676787	20.894	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	449505	20.841	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	547226	22.085	ng/ul	0.00
15) 4-Methylphenol-d8	8.228	113	525938	20.939	ng/ul	-0.01
21) Nitrobenzene-d5	8.663	128	254056	24.124	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	277378	23.560	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	536701	22.341	ng/ul	0.00
31) 4-Chloroaniline-d4	10.428	131	381025m	12.053	ng/ul	0.00
46) Dimethylphthalate-d6	13.586	166	1410864	22.922	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	1518873	21.616	ng/ul	0.00
54) 4-Nitrophenol-d4	14.392	143	170962	16.773	ng/ul	0.00
60) Fluorene-d10	15.163	176	1049151	19.731	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.345	200	25884m	3.263	ng/ul	0.05
73) Anthracene-d10	17.057	188	1358100	22.074	ng/ul	0.04
81) Pyrene-d10	19.351	212	1080734	14.972	ng/ul	0.03
92) Benzo(a)pyrene-d12	23.744	264	742743	9.752	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.328	128	1193592	16.285	ng/ul	99
37) 1-Methylnaphthalene	12.175	142	2804039	53.734	ng/ul	100
50) Acenaphthylene	13.880	152	1194029	16.576	ng/ul#	95
52) Acenaphthene	14.251	153	22162656	430.614	ng/ul	96
61) Fluorene	15.233	166	22422596m	375.494	ng/ul	
71) Pentachlorophenol	16.615	266	36261	3.325	ng/ul	99
72) Phenanthrene	16.962	178	48536109m	701.468	ng/ul	
74) Anthracene	17.080	178	16374381m	235.770	ng/ul	
80) Fluoranthene	18.992	202	53877619m	649.578	ng/ul	
82) Pyrene	19.368	202	39718131m	449.859	ng/ul	
85) Benzo(a)anthracene	21.139	228	24406650m	295.285	ng/ul	
87) Chrysene	21.203	228	25734875m	341.052	ng/ul	
90) Benzo(b)fluoranthene	23.097	252	24458000	257.538	ng/ul	97
91) Benzo(k)fluoranthene	23.144	252	8222943m	86.841	ng/ul	
93) Benzo(a)pyrene	23.815	252	4782148	55.748	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.026	276	2728991	27.733	ng/ul	99
95) Dibenzo(a,h)anthracene	27.056	278	1147748	14.321	ng/ul	98
96) Benzo(g,h,i)perylene	27.974	276	268975m	3.662	ng/ul	

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

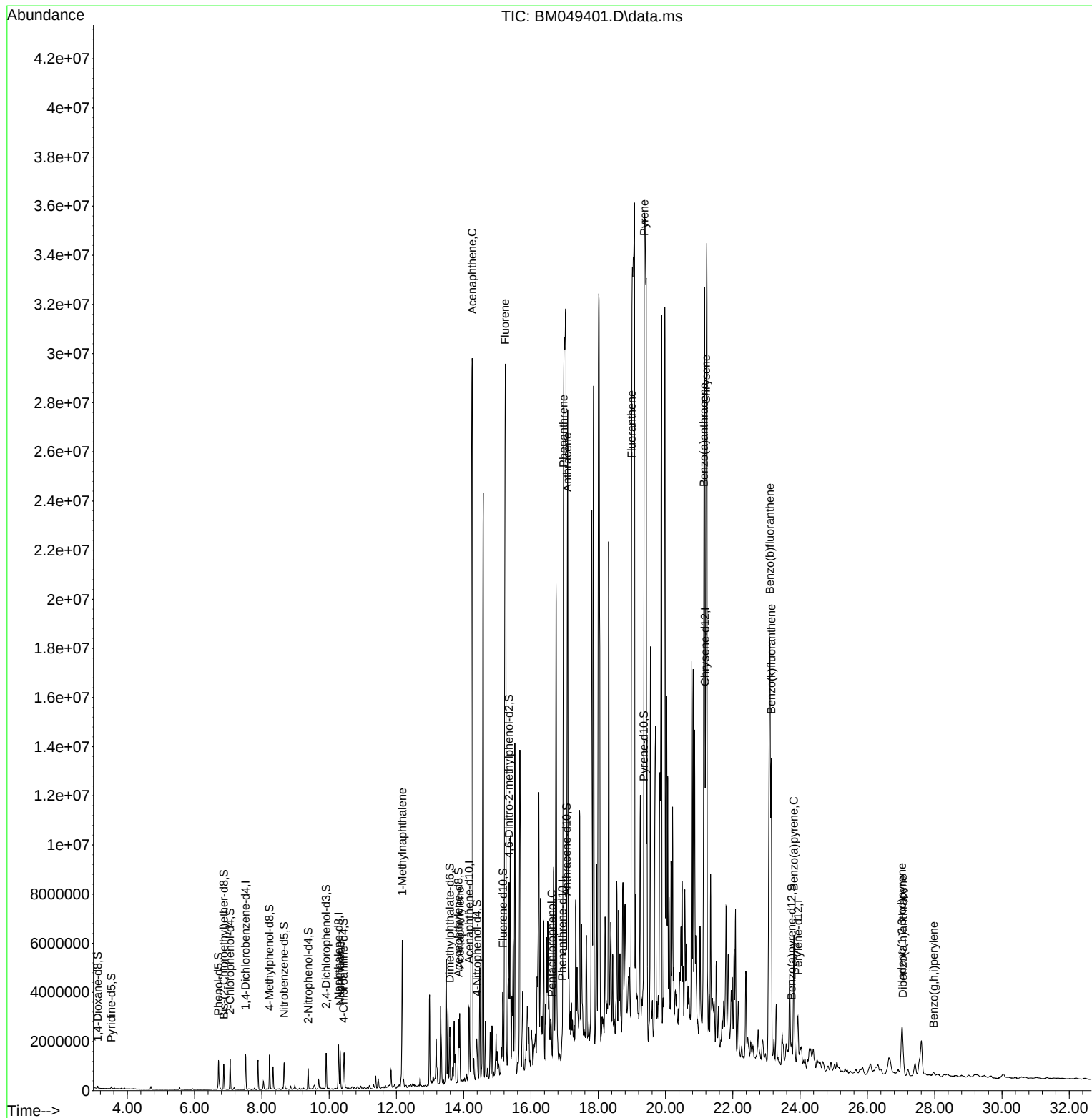
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049401.D
Acq On : 23 Jan 2025 03:13
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ALS Vial : 23 Sample Multiplier: 1

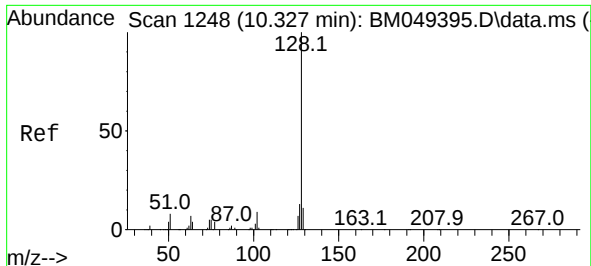
Instrument :
BNA_M
ClientSampleId :
DCZH9

Quant Time: Jan 23 03:55:44 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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Supervised By :mohammad ahmed 01/24/2025





#30

Naphthalene

Concen: 16.285 ng/ul

RT: 10.328 min Scan# 1248

Delta R.T. -0.006 min

Lab File: BM049401.D

Acq: 23 Jan 2025 03:13

Instrument :

BNA_M

ClientSampleId :

DCZH9

Tgt Ion:128 Resp: 1193592

Ion Ratio Lower Upper

128 100

129 11.3 8.5 12.7

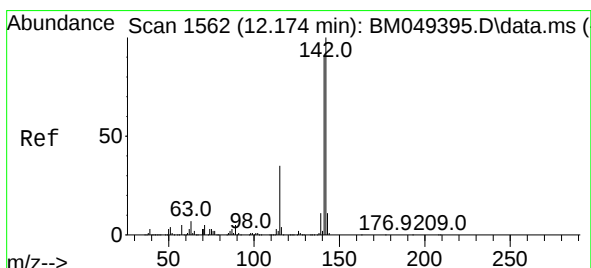
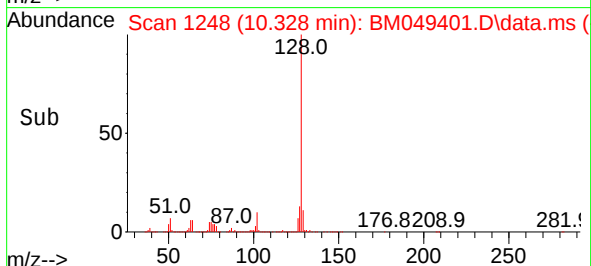
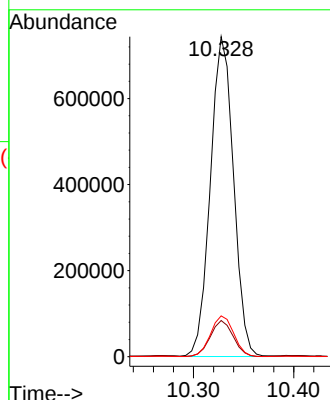
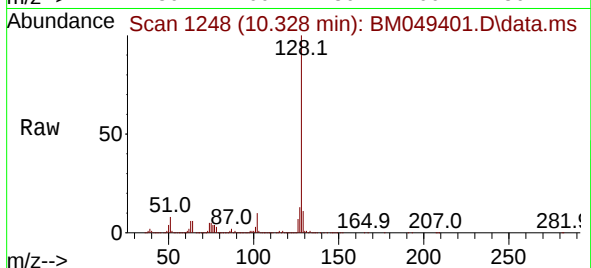
127 12.7 10.2 15.2

Manual Integrations

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Supervised By :mohammad ahmed 01/24/2025



#37

1-Methylnaphthalene

Concen: 53.734 ng/ul

RT: 12.175 min Scan# 1562

Delta R.T. -0.006 min

Lab File: BM049401.D

Acq: 23 Jan 2025 03:13

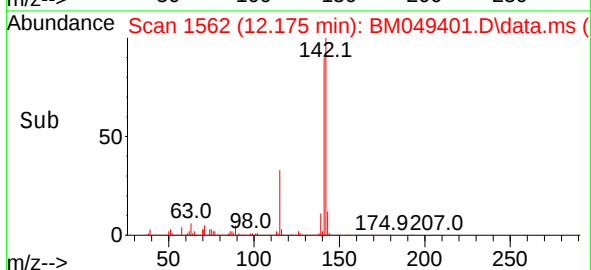
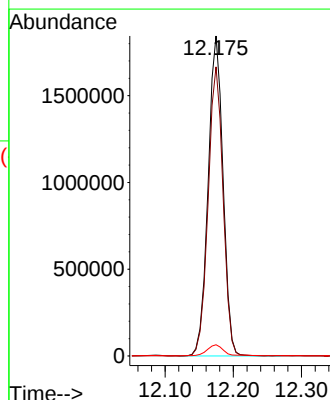
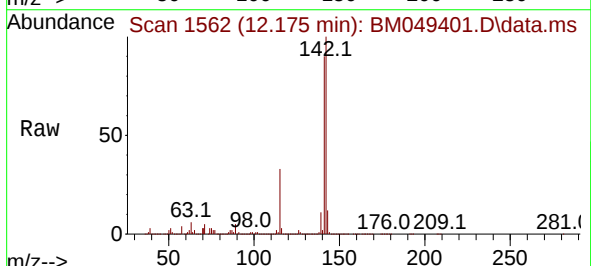
Tgt Ion:142 Resp: 2804039

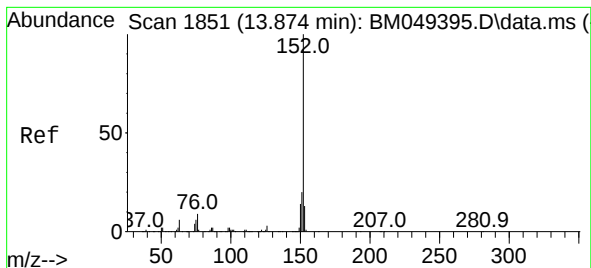
Ion Ratio Lower Upper

142 100

141 90.4 71.9 107.9

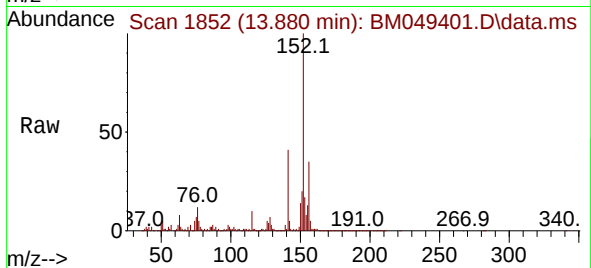
116 3.5 2.8 4.2





#50
Acenaphthylene
Concen: 16.576 ng/ul
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13

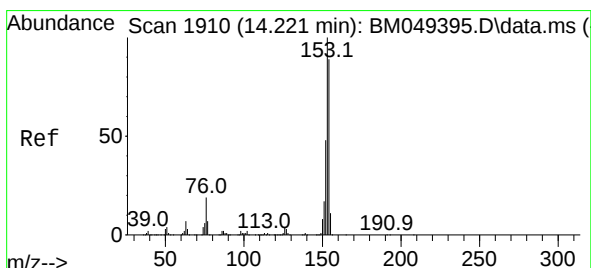
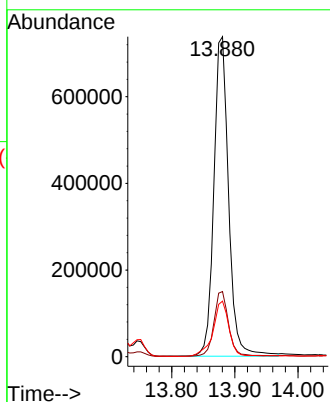
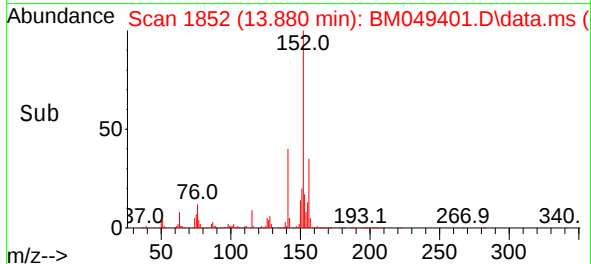
Instrument :
BNA_M
ClientSampleId :
DCZH9



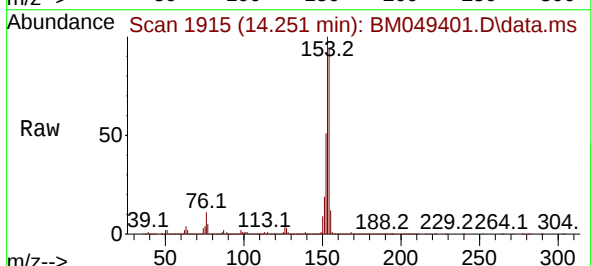
Tgt Ion:152 Resp: 1194029
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.8
153 17.3 10.6 15.8

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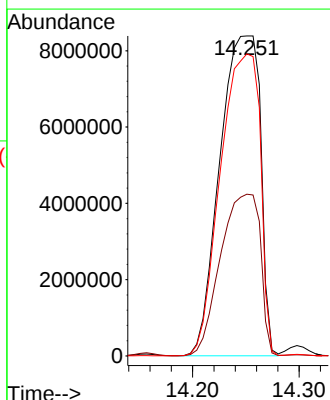
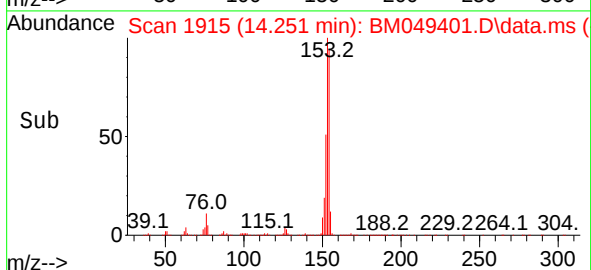
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

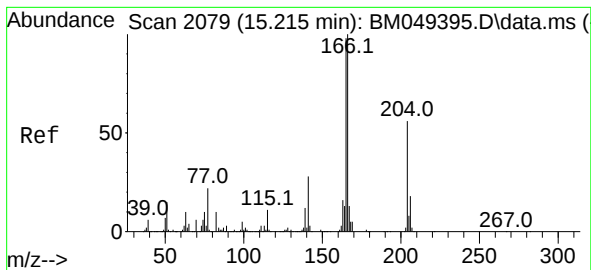


#52
Acenaphthene
Concen: 430.614 ng/ul
RT: 14.251 min Scan# 1915
Delta R.T. 0.024 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13



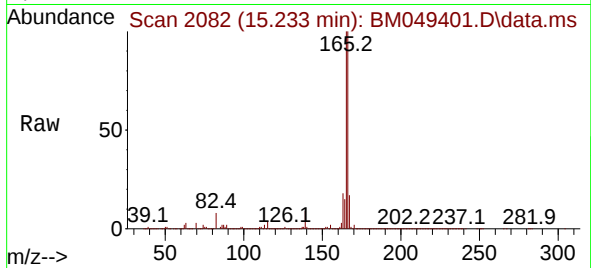
Tgt Ion:153 Resp:22162656
Ion Ratio Lower Upper
153 100
152 50.6 39.0 58.6
154 94.4 71.6 107.4





#61
Fluorene
Concen: 375.494 ng/ul m
RT: 15.233 min Scan# 2079
Delta R.T. 0.012 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13

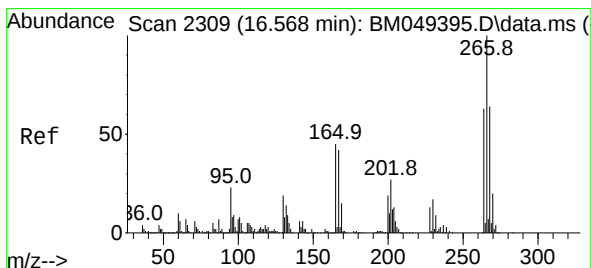
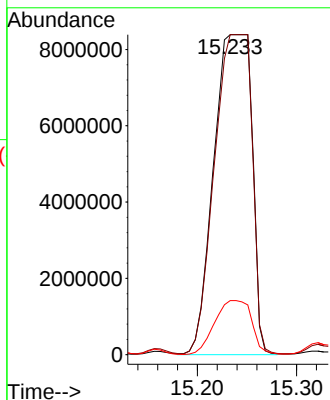
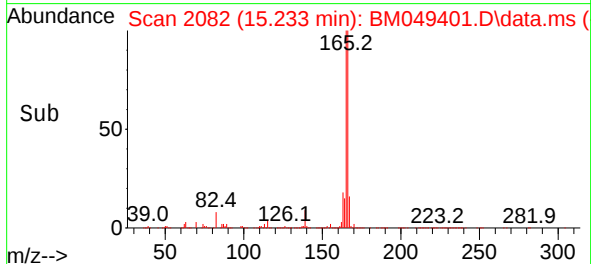
Instrument :
BNA_M
ClientSampleId :
DCZH9



Tgt Ion:166 Resp:2242259
Ion Ratio Lower Upper
166 100
165 100.0 77.7 116.5
167 16.9 10.7 16.1

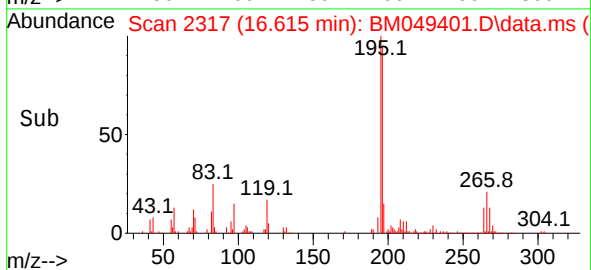
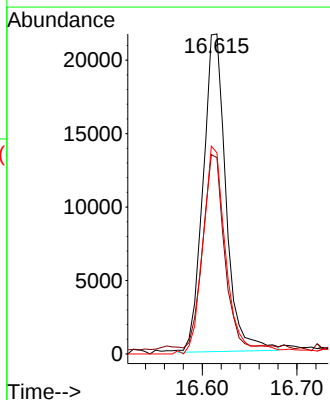
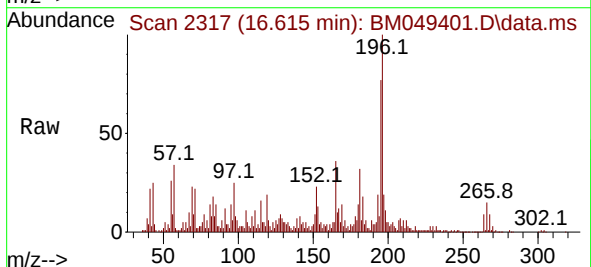
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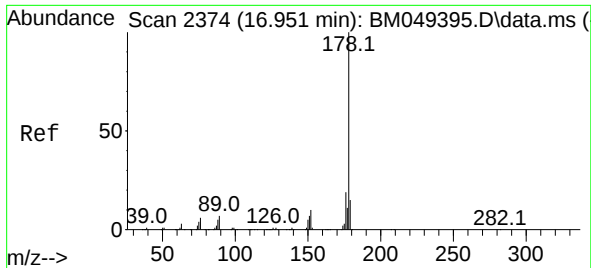
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#71
Pentachlorophenol
Concen: 3.325 ng/ul
RT: 16.615 min Scan# 2317
Delta R.T. 0.041 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13

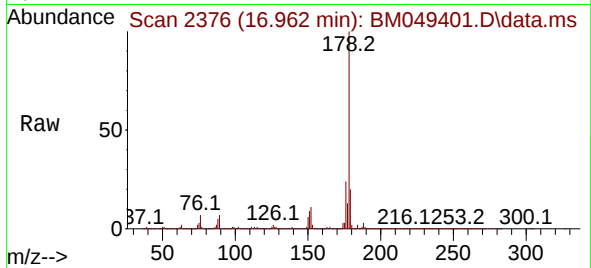
Tgt Ion:266 Resp: 36261
Ion Ratio Lower Upper
266 100
264 61.3 48.6 72.8
268 62.9 49.4 74.0





#72
Phenanthrene
Concen: 701.468 ng/ul m
RT: 16.962 min Scan# 2374
Delta R.T. 0.006 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13

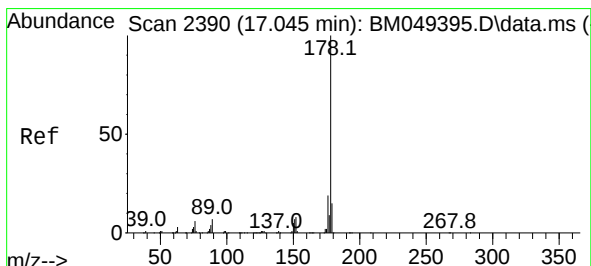
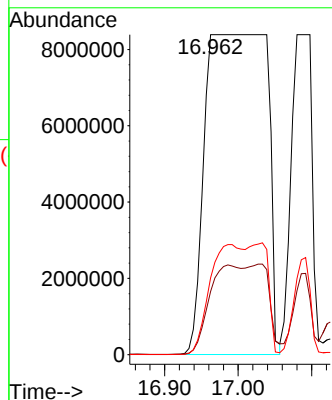
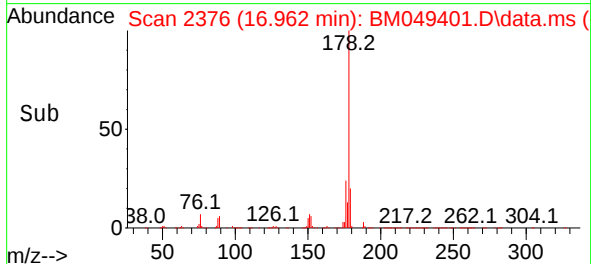
Instrument :
BNA_M
ClientSampleId :
DCZH9



Tgt Ion:178 Resp:48536109
Ion Ratio Lower Upper
178 100
179 19.8 12.6 19.0#
176 24.0 15.4 23.2#

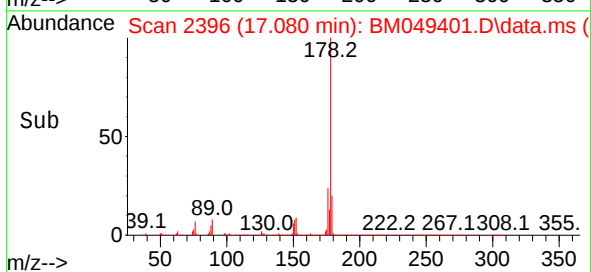
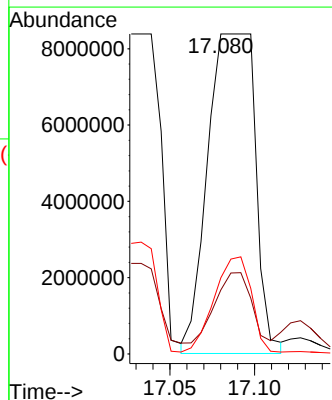
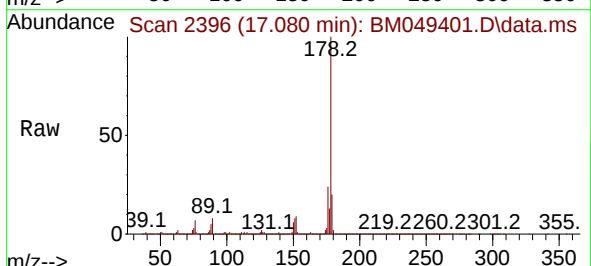
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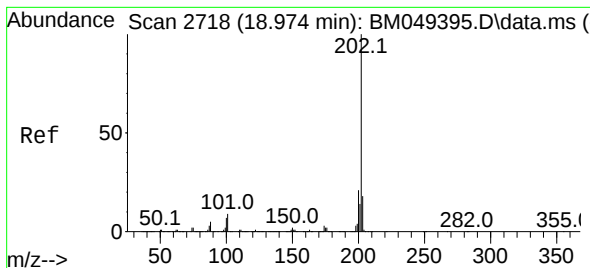
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#74
Anthracene
Concen: 235.770 ng/ul m
RT: 17.080 min Scan# 2396
Delta R.T. 0.029 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13

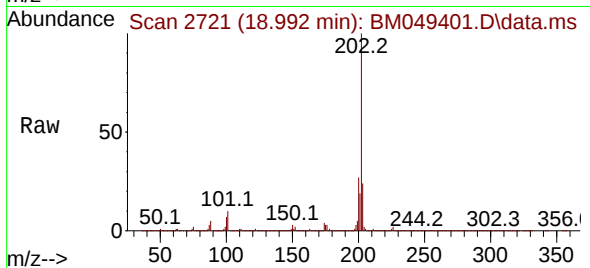
Tgt Ion:178 Resp:16374381
Ion Ratio Lower Upper
178 100
179 20.0 12.5 18.7#
176 23.8 15.1 22.7#





#80
Fluoranthene
Concen: 649.578 ng/ul m
RT: 18.992 min Scan# 2718
Delta R.T. 0.006 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13

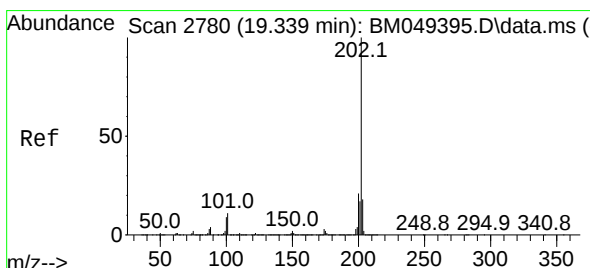
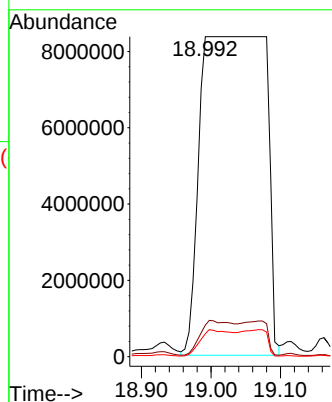
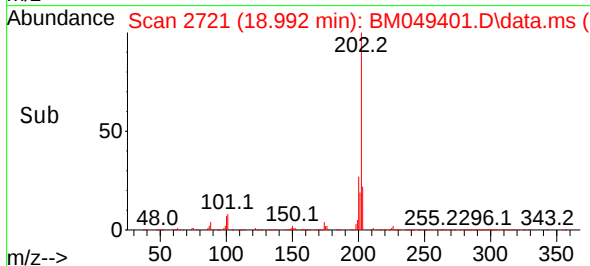
Instrument :
BNA_M
ClientSampleId :
DCZH9



Tgt Ion:202 Resp:53877619
Ion Ratio Lower Upper
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101 9.9 7.0 10.4
100 7.1 5.0 7.6

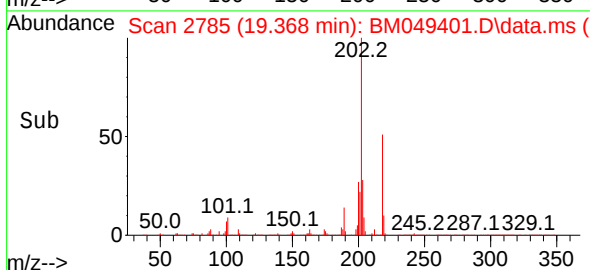
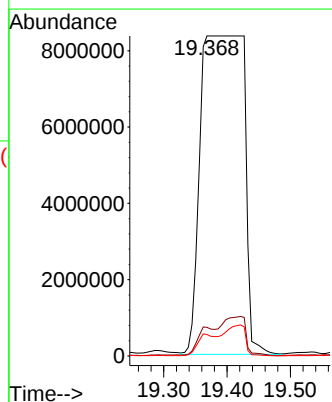
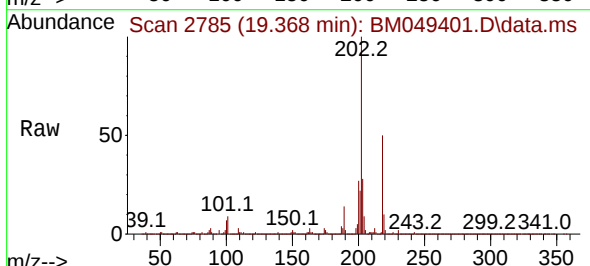
Manual Integrations
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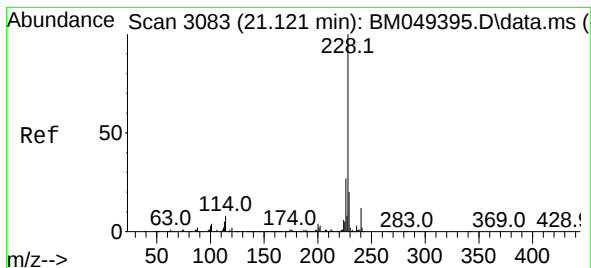
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#82
Pyrene
Concen: 449.859 ng/ul m
RT: 19.368 min Scan# 2785
Delta R.T. 0.018 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13

Tgt Ion:202 Resp:39718131
Ion Ratio Lower Upper
202 100
101 8.9 7.8 11.8
100 6.7 6.6 10.0





#85

Benzo(a)anthracene

Concen: 295.285 ng/ul m

RT: 21.139 min Scan# 3086

Delta R.T. 0.006 min

Lab File: BM049401.D

Acq: 23 Jan 2025 03:13

Instrument :

BNA_M

ClientSampleId :

DCZH9

Tgt Ion:228 Resp:24406650

Ion Ratio Lower Upper

228 100

229 24.8 15.8 23.6

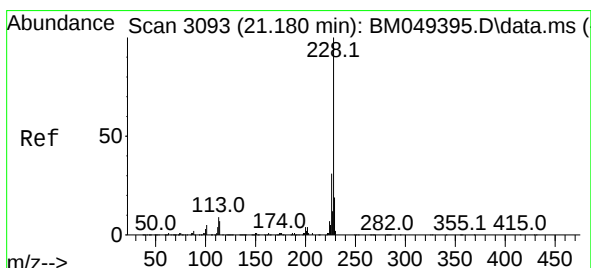
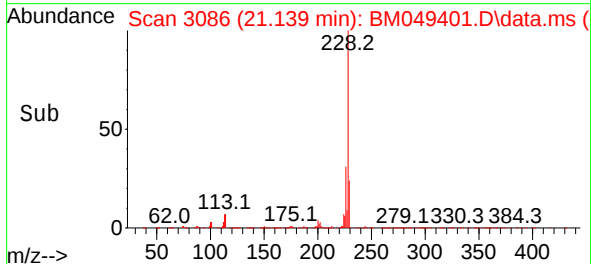
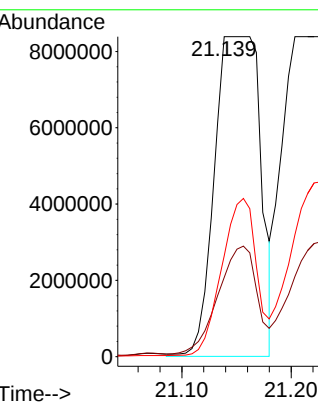
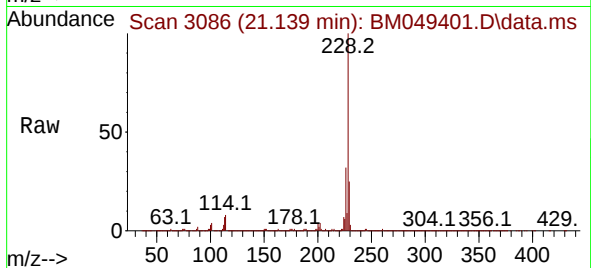
226 31.5 22.1 33.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#87

Chrysene

Concen: 341.052 ng/ul m

RT: 21.203 min Scan# 3097

Delta R.T. 0.018 min

Lab File: BM049401.D

Acq: 23 Jan 2025 03:13

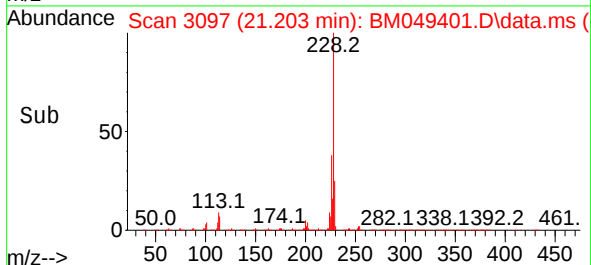
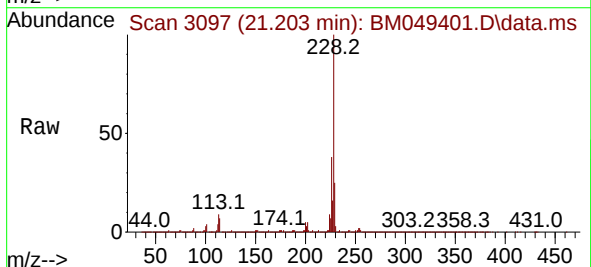
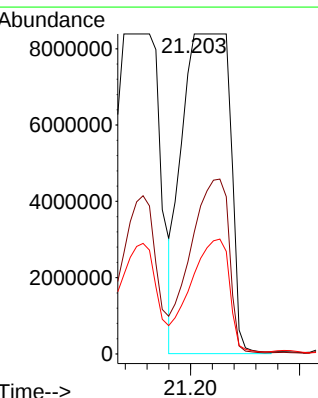
Tgt Ion:228 Resp:25734875

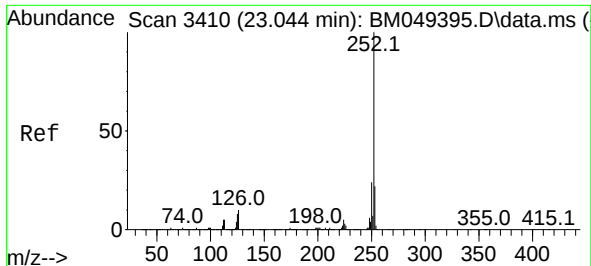
Ion Ratio Lower Upper

228 100

226 38.1 24.3 36.5#

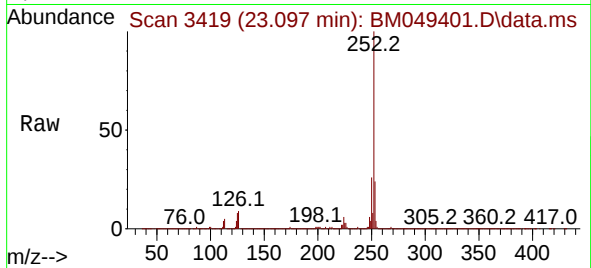
229 25.1 16.0 24.0#





#90
Benzo(b)fluoranthene
Concen: 257.538 ng/ul
RT: 23.097 min Scan# 3410
Delta R.T. 0.041 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13

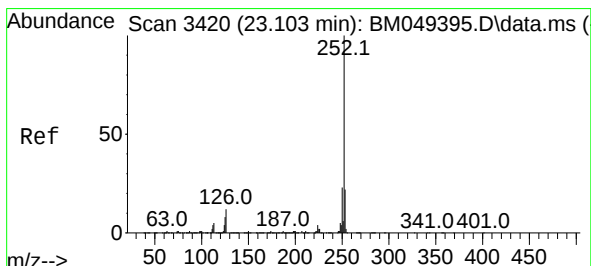
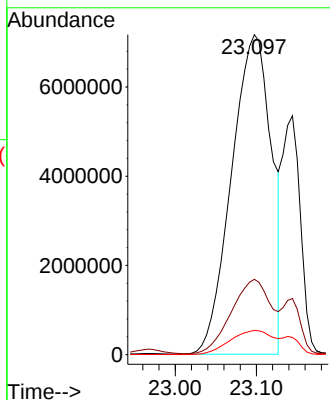
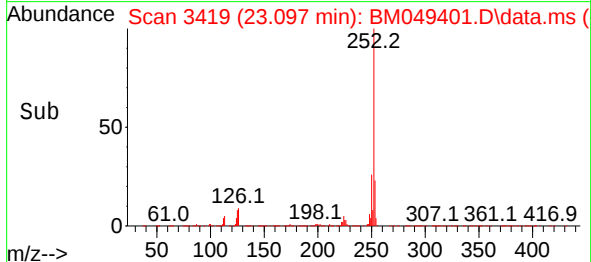
Instrument :
BNA_M
ClientSampleId :
DCZH9



Tgt Ion:252 Resp:24458000
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 7.6 6.6 9.8

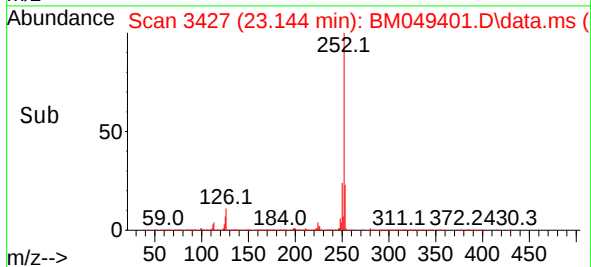
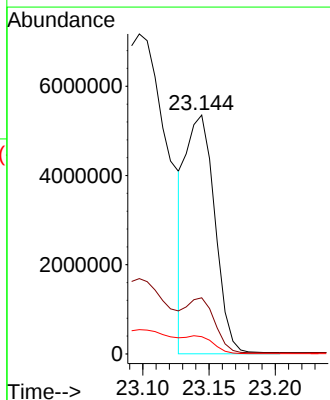
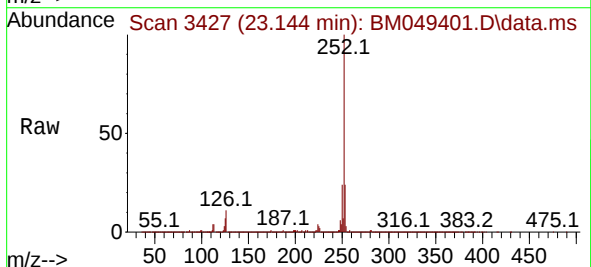
Manual Integrations
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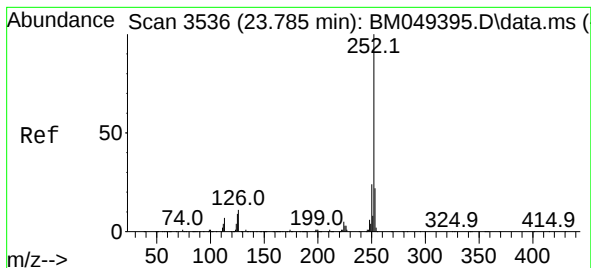
Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



#91
Benzo(k)fluoranthene
Concen: 86.841 ng/ul m
RT: 23.144 min Scan# 3427
Delta R.T. 0.029 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13

Tgt Ion:252 Resp: 8222943
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 7.2 6.5 9.7





#93

Benzo(a)pyrene

Concen: 55.748 ng/ul

RT: 23.815 min Scan# 3541

Delta R.T. 0.018 min

Lab File: BM049401.D

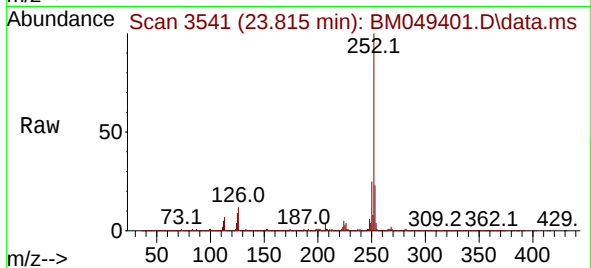
Acq: 23 Jan 2025 03:13

Instrument :

BNA_M

ClientSampleId :

DCZH9



Tgt Ion:252 Resp: 478214

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

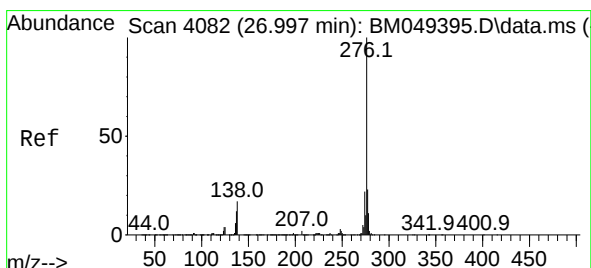
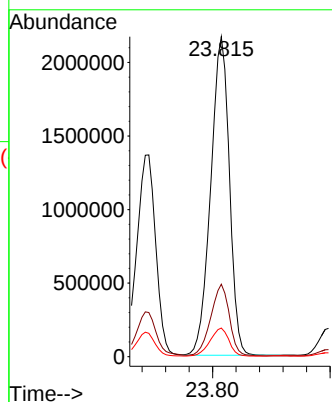
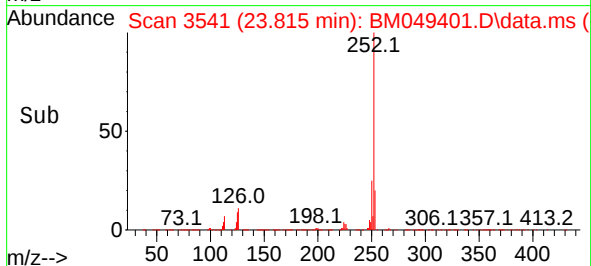
125 8.9 6.9 10.3

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: 27.733 ng/ul

RT: 27.026 min Scan# 4087

Delta R.T. 0.006 min

Lab File: BM049401.D

Acq: 23 Jan 2025 03:13

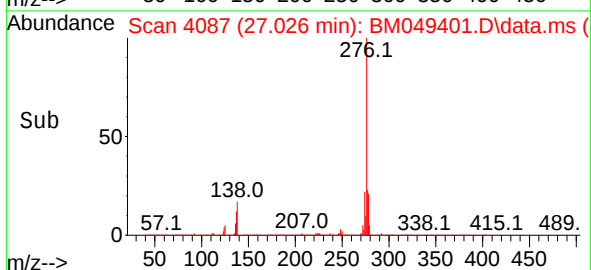
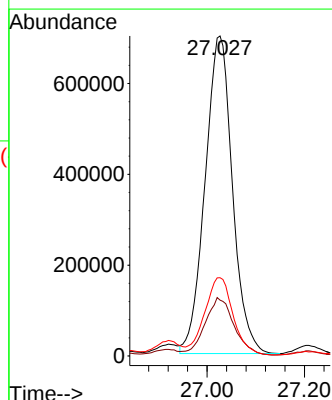
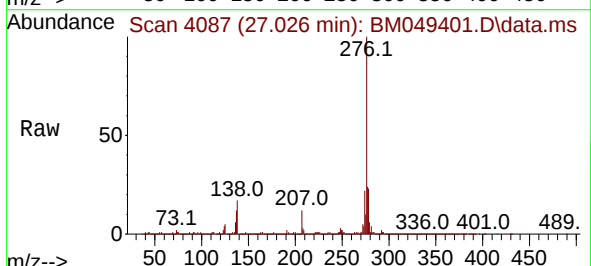
Tgt Ion:276 Resp: 2728991

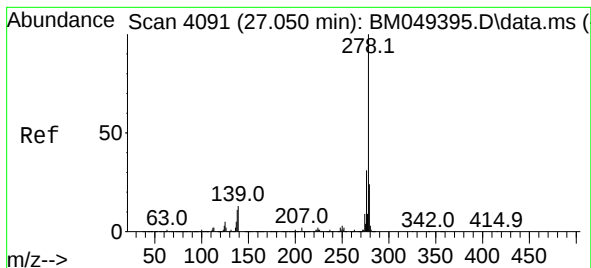
Ion Ratio Lower Upper

276 100

138 17.4 13.4 20.0

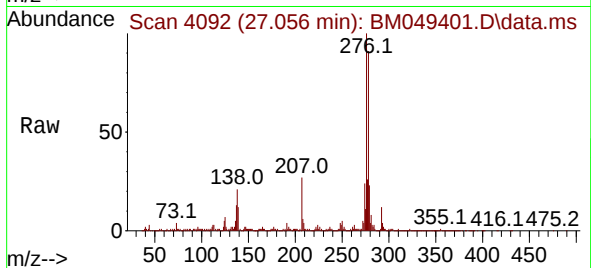
277 24.4 19.1 28.7





#95
Dibenzo(a,h)anthracene
Concen: 14.321 ng/ul
RT: 27.056 min Scan# 4091
Delta R.T. -0.018 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13

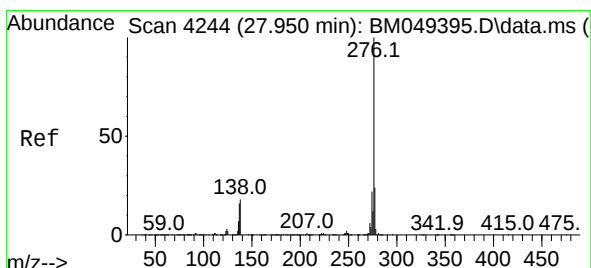
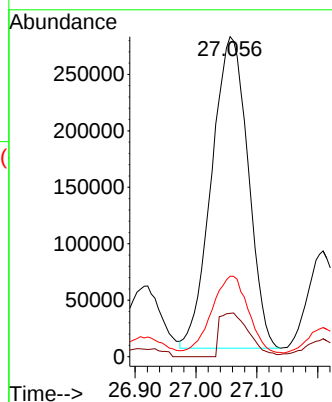
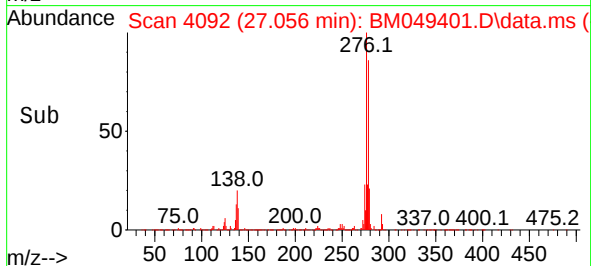
Instrument :
BNA_M
ClientSampleId :
DCZH9



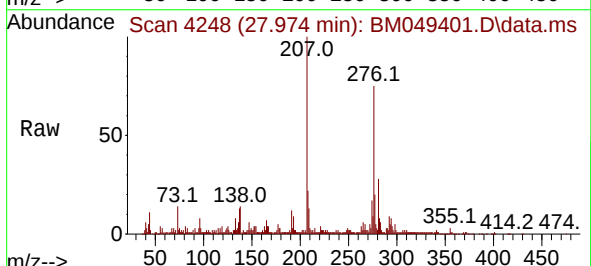
Tgt Ion:278 Resp: 114774
Ion Ratio Lower Upper
278 100
139 13.5 9.9 14.9
279 25.1 19.4 29.0

Manual Integrations
APPROVED

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



#96
Benzo(g,h,i)perylene
Concen: 3.662 ng/ul m
RT: 27.974 min Scan# 4248
Delta R.T. -0.006 min
Lab File: BM049401.D
Acq: 23 Jan 2025 03:13



Tgt Ion:276 Resp: 268975
Ion Ratio Lower Upper
276 100
138 18.9 14.1 21.1
277 26.5 19.4 29.0

