

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032525\
 Data File : BM049755.D
 Acq On : 25 Mar 2025 11:11
 Operator : RC/JU
 Sample : Q1546-01
 Misc : MDL-WATER-QT1-2025
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT1-2025-01

Quant Time: Mar 25 11:54:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM030425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 04 13:03:01 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 03/25/2025
 Supervised By :Jagrut Upadhyay 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	7018	0.400	ng/ul	0.00
4) Naphthalene-d8	10.601	136	16970	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.447	164	9353	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.184	188	18119	0.400	ng/ul	0.00
17) Chrysene-d12	21.362	240	12796	0.400	ng/ul	0.00
23) Perylene-d12	23.648	264	12404	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	3875	0.471	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.196	152	8198	0.324	ng/ul	0.00
18) Fluoranthene-d10	19.211	212	15454	0.373	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.290	88	546m	0.062	ng/ul	
5) Naphthalene	10.651	128	3081	0.068	ng/ul#	90
7) 2-Methylnaphthalene	12.267	142	1916	0.066	ng/ul	96
8) 1-Methylnaphthalene	12.487	142	1933	0.065	ng/ul	99
10) Acenaphthylene	14.164	152	2770	0.066	ng/ul	93
11) Acenaphthene	14.507	153	2109	0.069	ng/ul	94
12) Fluorene	15.497	166	2323	0.069	ng/ul	99
14) Pentachlorophenol	16.842	266	246	0.064	ng/ul#	87
15) Phenanthrene	17.226	178	3644	0.067	ng/ul	95
16) Anthracene	17.319	178	2899m	0.059	ng/ul	
19) Fluoranthene	19.239	202	3997	0.075	ng/ul#	93
20) Pyrene	19.602	202	4126	0.073	ng/ul#	93
21) Benzo(a)anthracene	21.347	228	3161	0.067	ng/ul	97
22) Chrysene	21.400	228	3756	0.075	ng/ul	98
24) Benzo(b)fluoranthene	22.961	252	4039	0.090	ng/ul#	58
25) Benzo(k)fluoranthene	23.004	252	3854	0.083	ng/ul#	67
26) Benzo(a)pyrene	23.551	252	3443	0.082	ng/ul#	30
27) Indeno(1,2,3-cd)pyrene	25.970	276	4910	0.082	ng/ul	94
28) Dibenzo(a,h)anthracene	25.987	278	3542	0.077	ng/ul#	75
29) Benzo(g,h,i)perylene	26.678	276	3967	0.082	ng/ul#	87

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

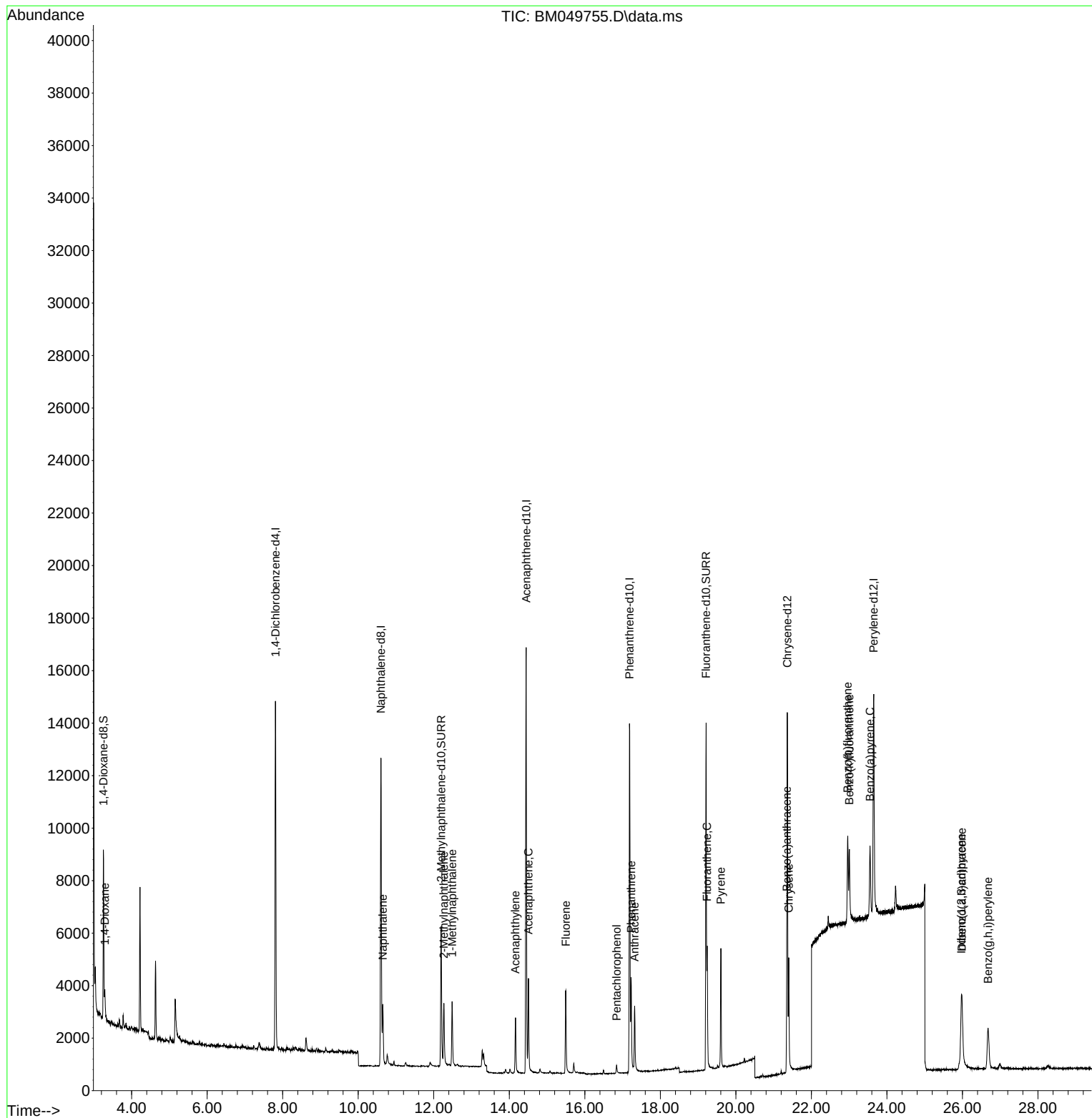
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032525\
Data File : BM049755.D
Acq On : 25 Mar 2025 11:11
Operator : RC/JU
Sample : Q1546-01
Misc : MDL-WATER-QT1-2025
ALS Vial : 4 Sample Multiplier: 1

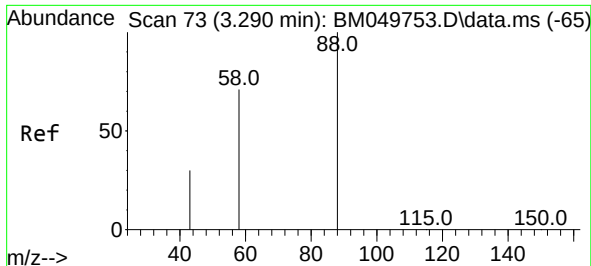
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01

Quant Time: Mar 25 11:54:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM030425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 04 13:03:01 2025
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Manual Integrations
APPROVED

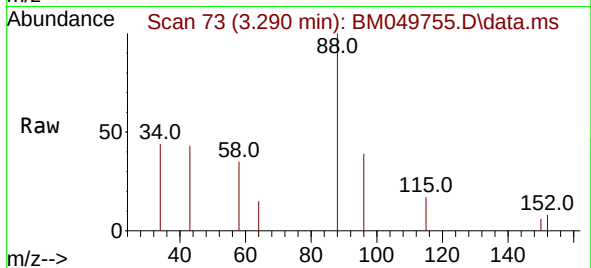
Reviewed By :Rahul Chavli 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025





#2
1,4-Dioxane
Concen: 0.062 ng/ul m
RT: 3.290 min Scan# 73
Delta R.T. -0.000 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

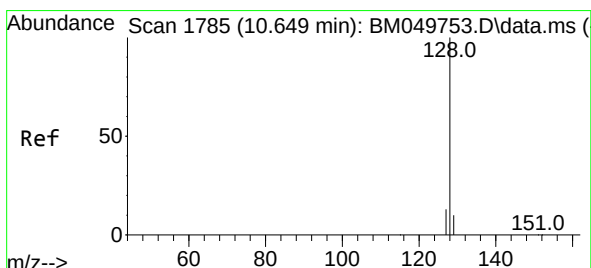
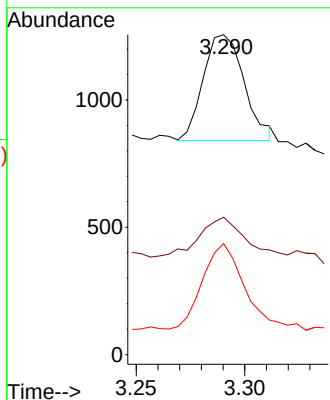
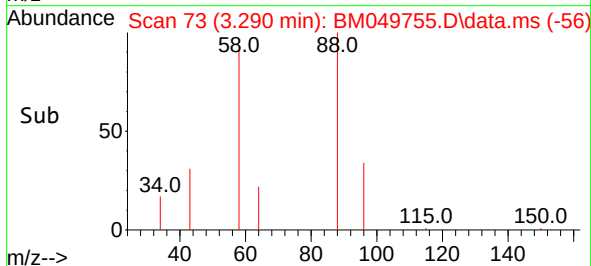
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01



Tgt Ion: 88 Resp: 540
Ion Ratio Lower Upper
88 100
43 42.9 32.6 49.0
58 34.7 45.9 68.9

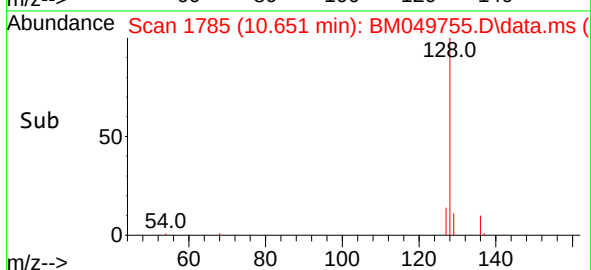
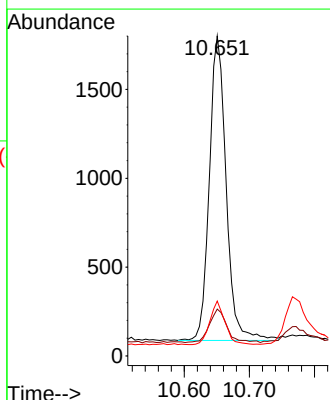
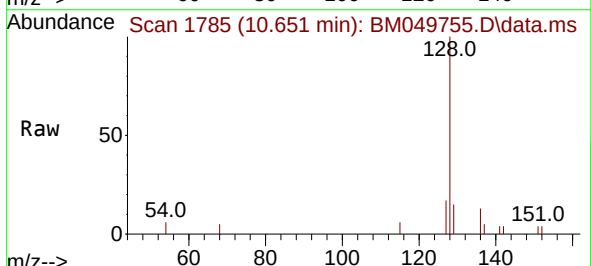
Manual Integrations
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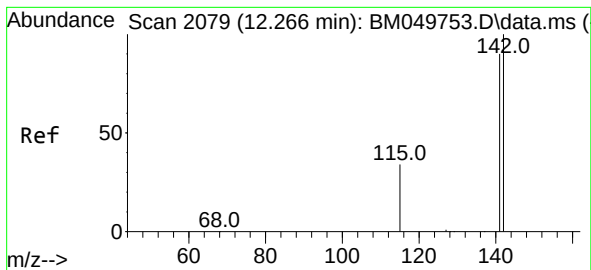
Reviewed By :Rahul Chavli 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.651 min Scan# 1785
Delta R.T. 0.001 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

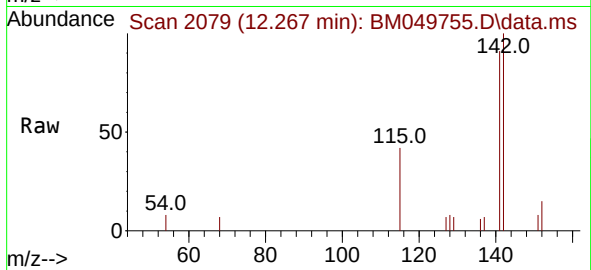
Tgt Ion:128 Resp: 3081
Ion Ratio Lower Upper
128 100
129 14.7 9.2 13.8#
127 17.2 10.2 15.4#





#7
2-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.267 min Scan# 2079
Delta R.T. 0.001 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

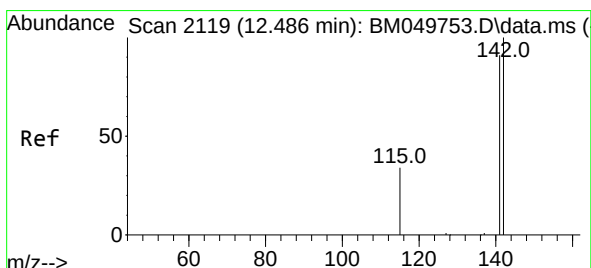
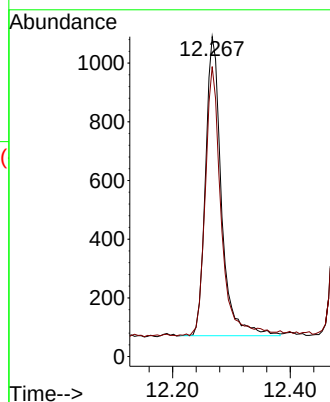
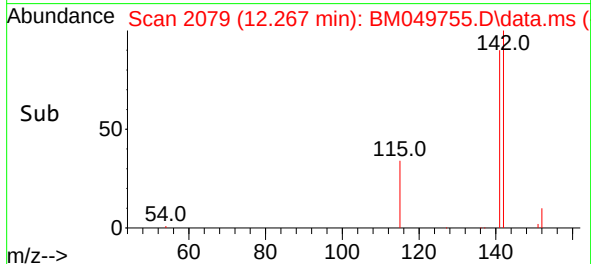
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01



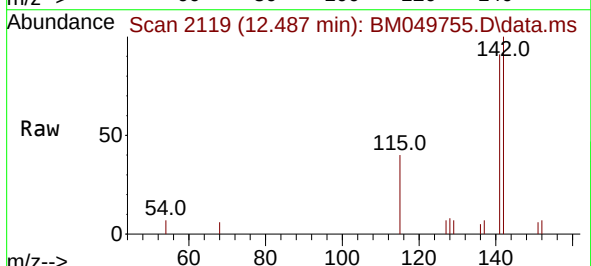
Tgt Ion:142 Resp: 1910
Ion Ratio Lower Upper
142 100
141 91.3 70.0 105.0

Manual Integrations
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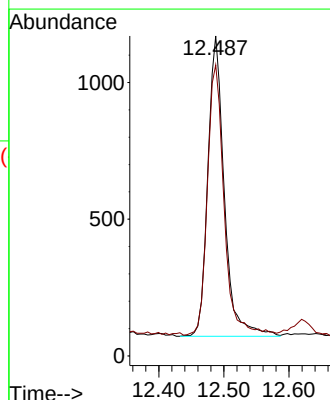
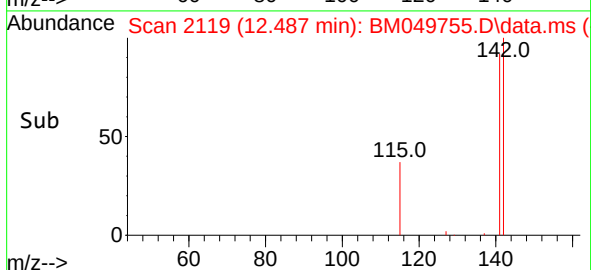
Reviewed By :Rahul Chavli 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025

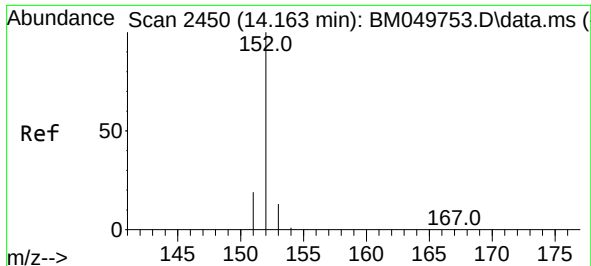


#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.487 min Scan# 2119
Delta R.T. 0.001 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11



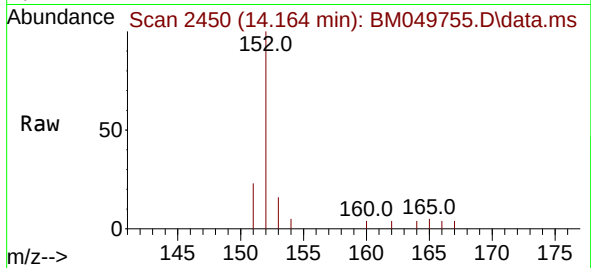
Tgt Ion:142 Resp: 1933
Ion Ratio Lower Upper
142 100
141 91.3 72.4 108.6





#10
Acenaphthylene
Concen: 0.066 ng/ul
RT: 14.164 min Scan# 2450
Delta R.T. 0.001 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

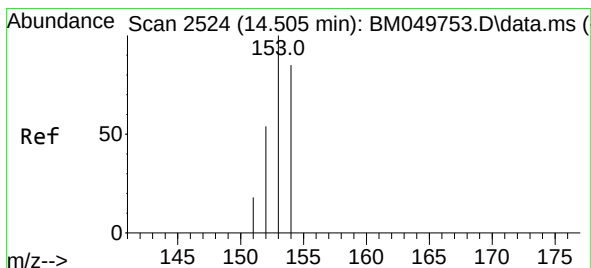
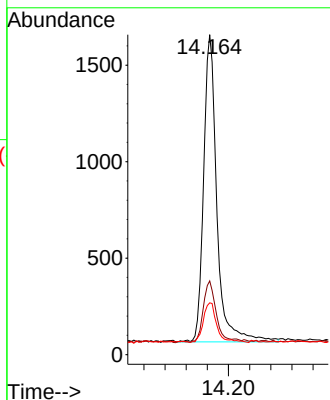
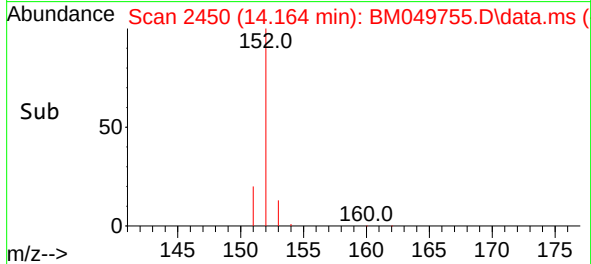
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01



Tgt Ion:152 Resp: 2770
Ion Ratio Lower Upper
152 100
151 23.0 15.8 23.6
153 16.2 11.0 16.4

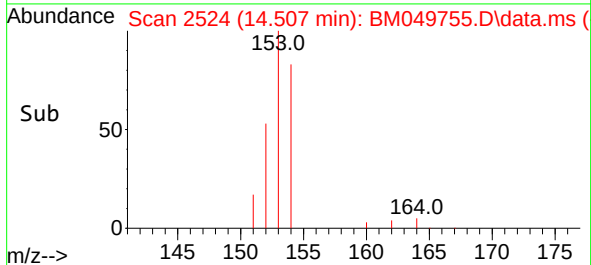
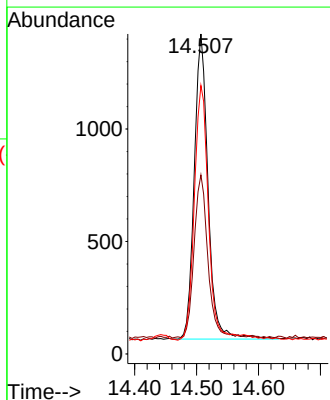
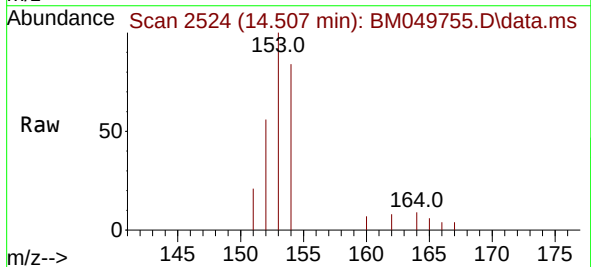
Manual Integrations
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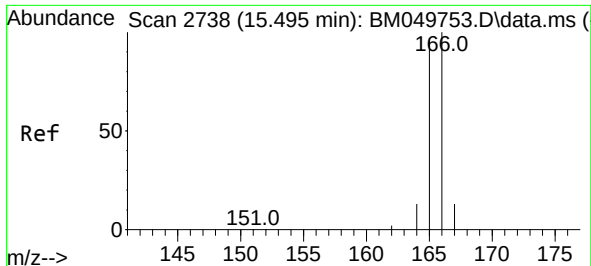
Reviewed By :Rahul Chavli 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.507 min Scan# 2524
Delta R.T. 0.001 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

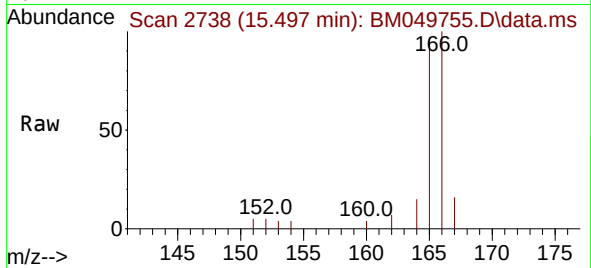
Tgt Ion:153 Resp: 2109
Ion Ratio Lower Upper
153 100
152 55.9 42.0 63.0
154 83.9 71.6 107.4





#12
Fluorene
Concen: 0.069 ng/ul
RT: 15.497 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

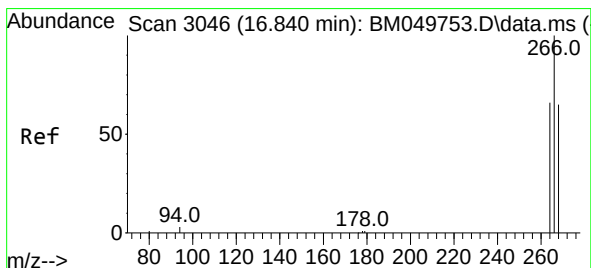
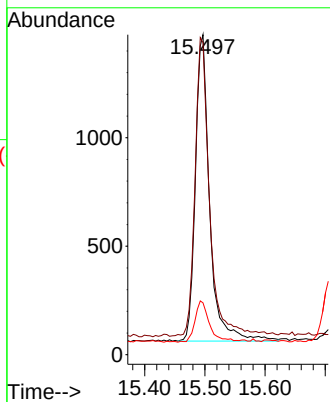
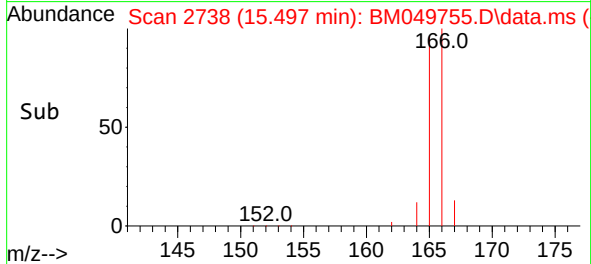
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01



Tgt Ion:166 Resp: 232
Ion Ratio Lower Upper
166 100
165 97.5 77.6 116.4
167 16.2 11.1 16.7

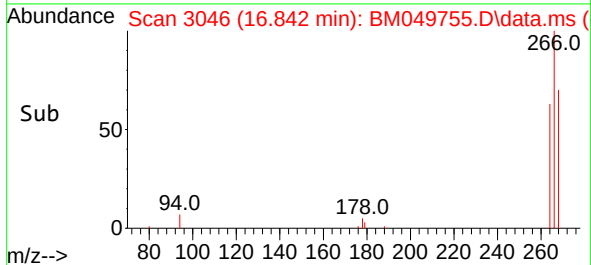
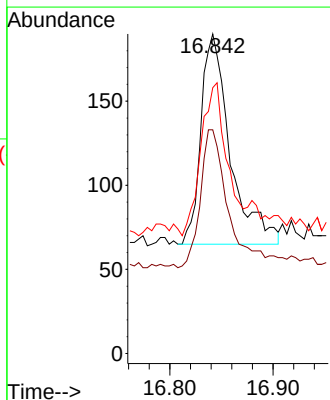
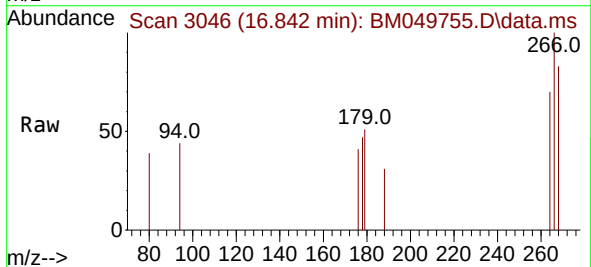
Manual Integrations
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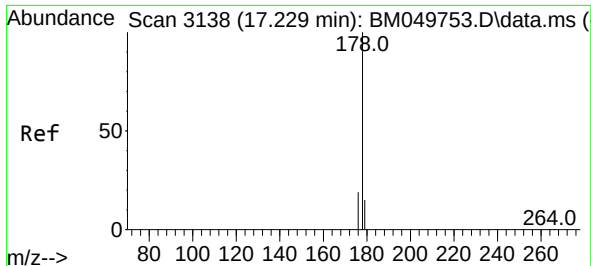
Reviewed By :Rahul Chavli 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#14
Pentachlorophenol
Concen: 0.064 ng/ul
RT: 16.842 min Scan# 3046
Delta R.T. 0.001 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

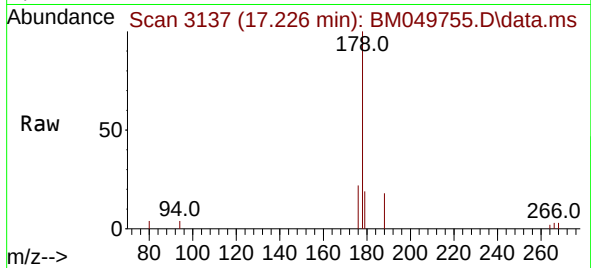
Tgt Ion:266 Resp: 246
Ion Ratio Lower Upper
266 100
264 68.3 50.2 75.4
268 77.2 49.9 74.9#





#15
Phenanthrene
Concen: 0.067 ng/ul
RT: 17.226 min Scan# 3138
Delta R.T. 0.001 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

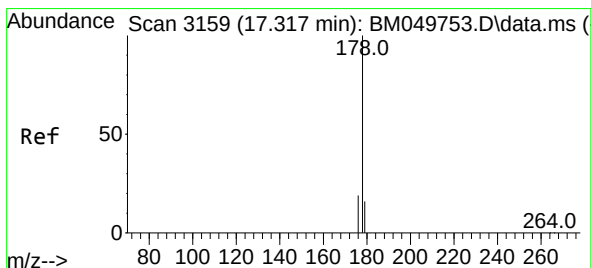
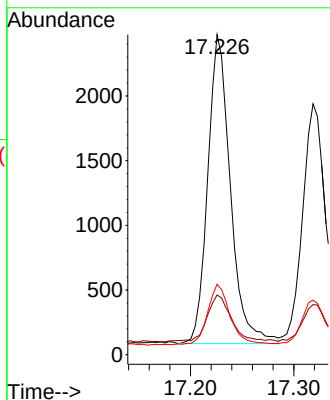
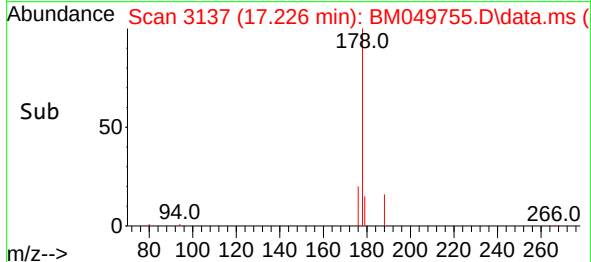
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01



Tgt Ion:178 Resp: 3644
Ion Ratio Lower Upper
178 100
179 18.6 12.7 19.1
176 22.0 16.2 24.2

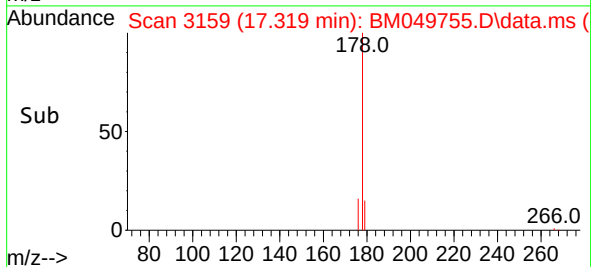
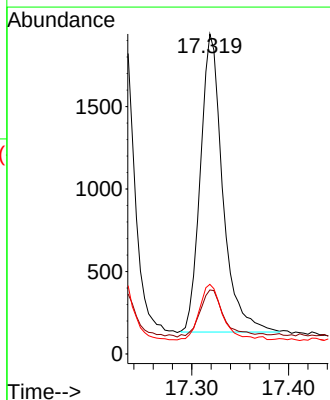
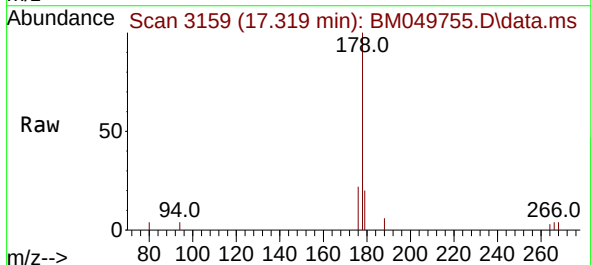
Manual Integrations
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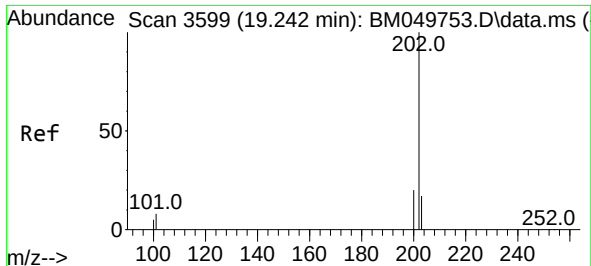
Reviewed By :Rahul Chavli 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#16
Anthracene
Concen: 0.059 ng/ul m
RT: 17.319 min Scan# 3159
Delta R.T. 0.001 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

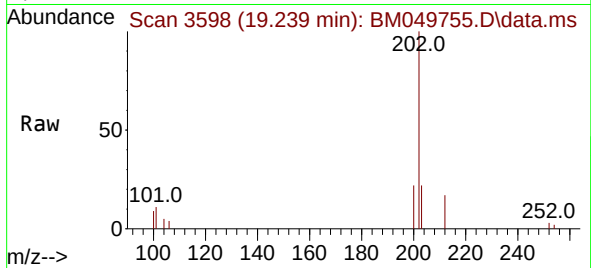
Tgt Ion:178 Resp: 2899
Ion Ratio Lower Upper
178 100
179 20.0 12.6 19.0#
176 21.8 15.5 23.3





#19
Fluoranthene
Concen: 0.075 ng/u1
RT: 19.239 min Scan# 3599
Delta R.T. -0.003 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

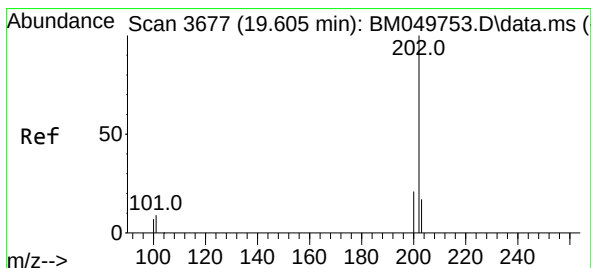
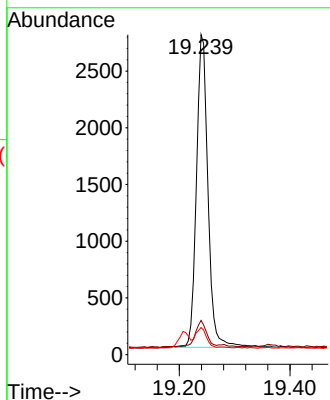
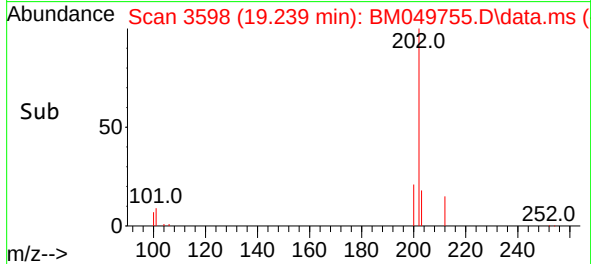
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01



Tgt Ion:202 Resp: 3997
Ion Ratio Lower Upper
202 100
101 10.7 6.6 10.0#
100 8.5 5.0 7.4#

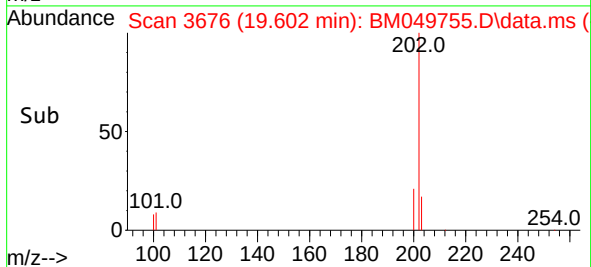
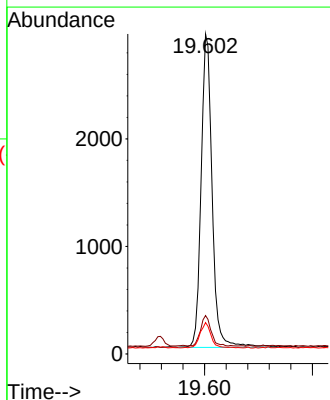
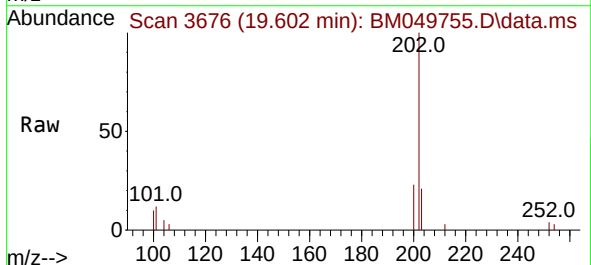
Manual Integrations
APPROVED

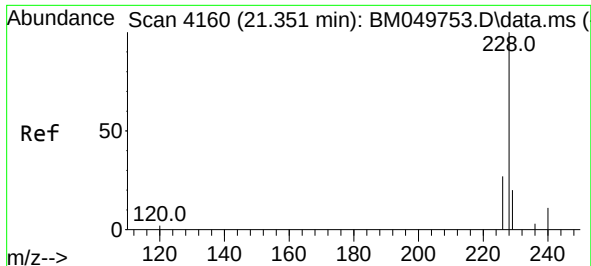
Reviewed By :Rahul Chavli 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#20
Pyrene
Concen: 0.073 ng/u1
RT: 19.602 min Scan# 3676
Delta R.T. -0.003 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

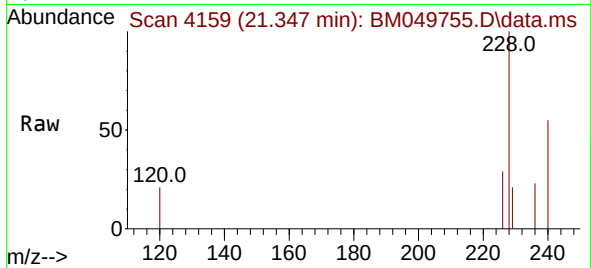
Tgt Ion:202 Resp: 4126
Ion Ratio Lower Upper
202 100
101 12.0 7.4 11.2#
100 9.8 6.0 9.0#





#21
Benzo(a)anthracene
Concen: 0.067 ng/ul
RT: 21.347 min Scan# 4159
Delta R.T. -0.003 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

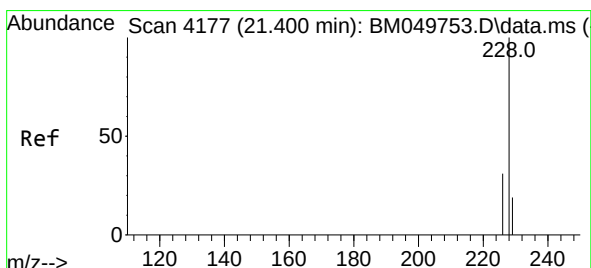
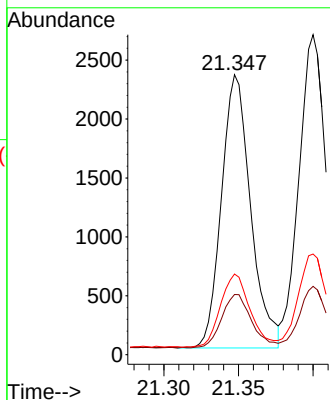
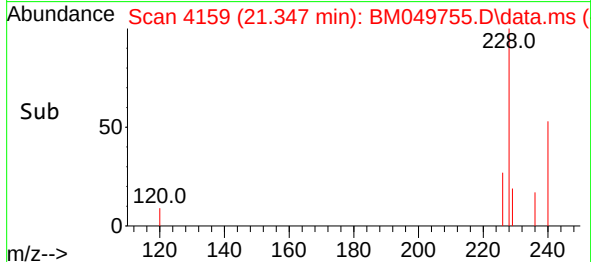
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01



Tgt Ion:228 Resp: 316
Ion Ratio Lower Upper
228 100
229 21.5 16.0 24.0
226 28.8 22.1 33.1

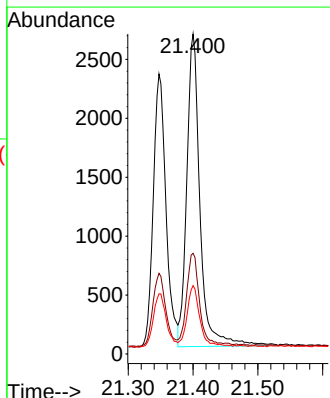
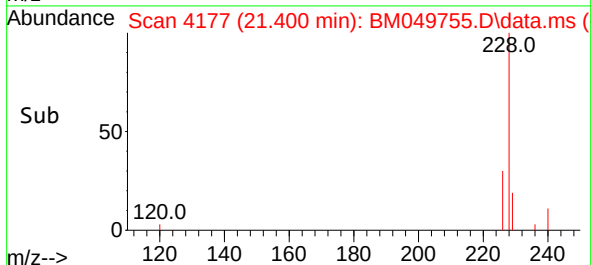
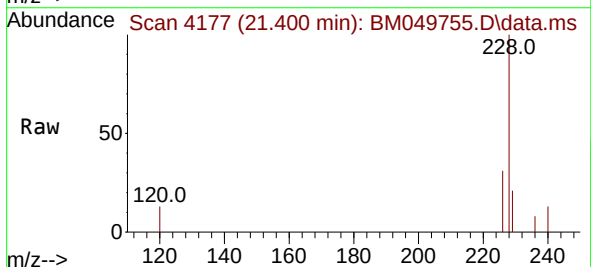
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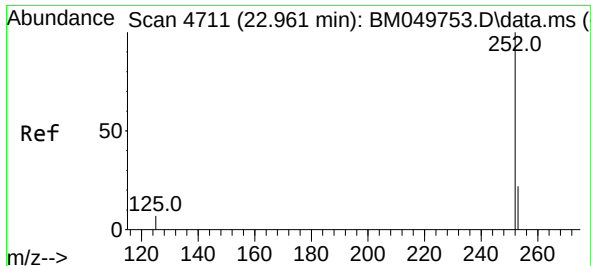
Reviewed By :Rahul Chavli 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#22
Chrysene
Concen: 0.075 ng/ul
RT: 21.400 min Scan# 4177
Delta R.T. -0.003 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

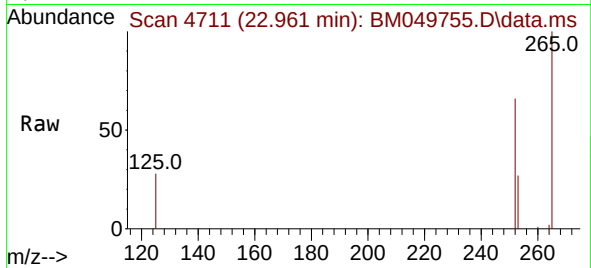
Tgt Ion:228 Resp: 3756
Ion Ratio Lower Upper
228 100
226 31.4 24.2 36.4
229 21.4 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.090 ng/ul
RT: 22.961 min Scan# 4711
Delta R.T. -0.000 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

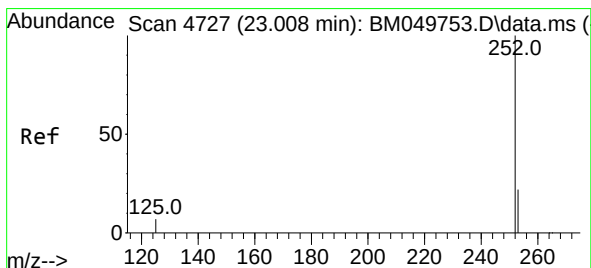
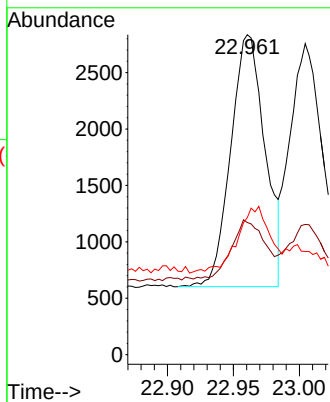
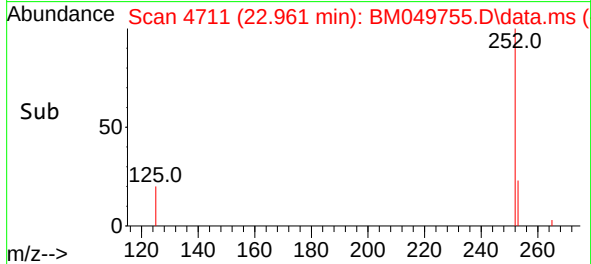
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01



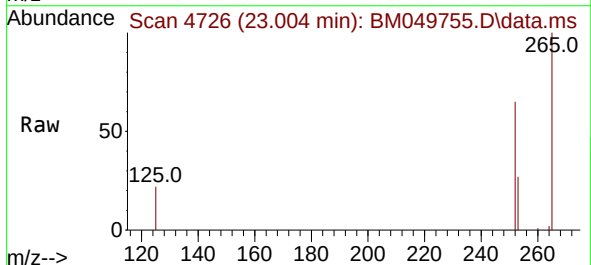
Tgt Ion:252 Resp: 4039
Ion Ratio Lower Upper
252 100
253 41.3 0.0 54.4
125 42.9 0.0 29.2

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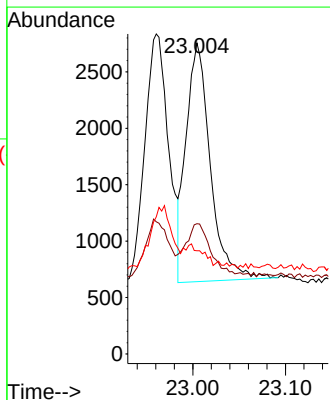
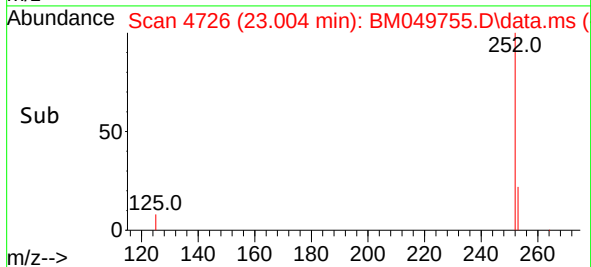
Reviewed By :Rahul Chavli 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025

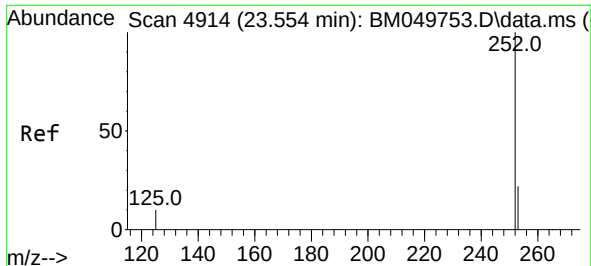


#25
Benzo(k)fluoranthene
Concen: 0.083 ng/ul
RT: 23.004 min Scan# 4726
Delta R.T. -0.003 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11



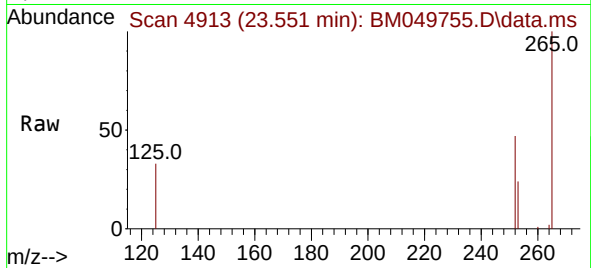
Tgt Ion:252 Resp: 3854
Ion Ratio Lower Upper
252 100
253 41.9 22.2 33.2#
125 33.2 11.7 17.5#





#26
Benzo(a)pyrene
Concen: 0.082 ng/ul
RT: 23.551 min Scan# 4914
Delta R.T. -0.000 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

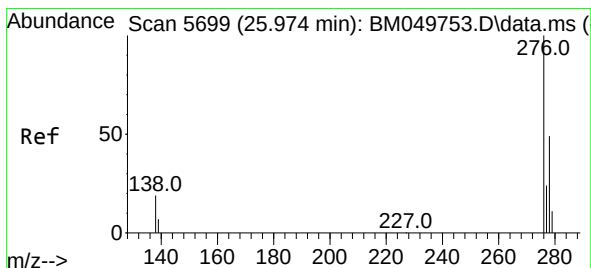
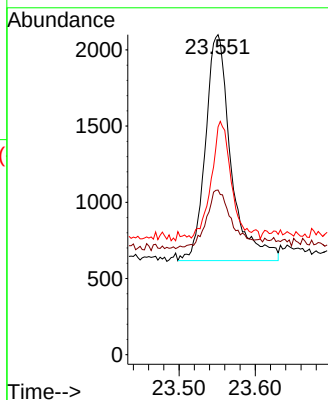
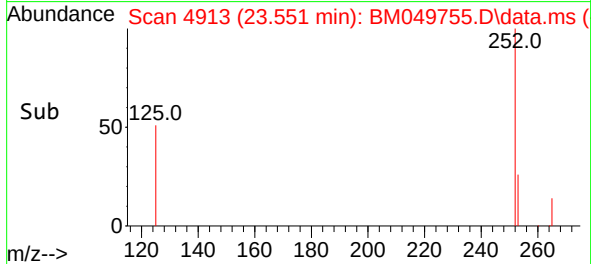
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01



Tgt Ion:252 Resp: 344
Ion Ratio Lower Upper
252 100
253 51.4 23.7 35.5
125 71.1 15.0 22.4

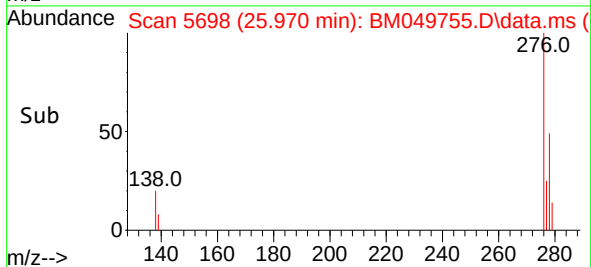
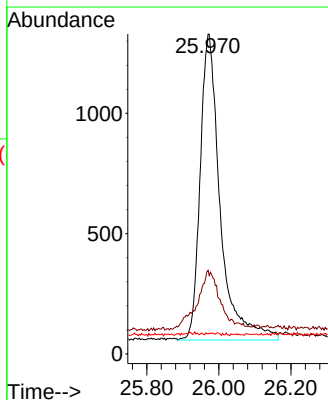
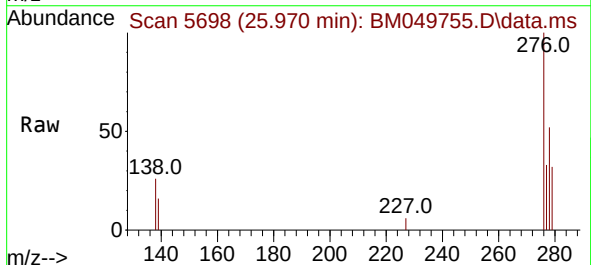
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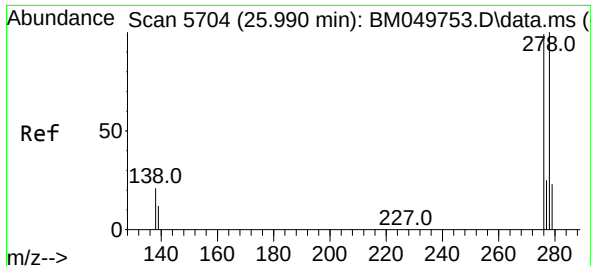
Reviewed By :Rahul Chavli 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.082 ng/ul
RT: 25.970 min Scan# 5698
Delta R.T. -0.004 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

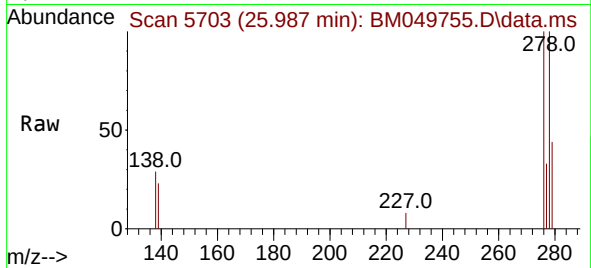
Tgt Ion:276 Resp: 4910
Ion Ratio Lower Upper
276 100
138 22.9 16.2 24.4
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.077 ng/ul
RT: 25.987 min Scan# 51
Delta R.T. -0.004 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

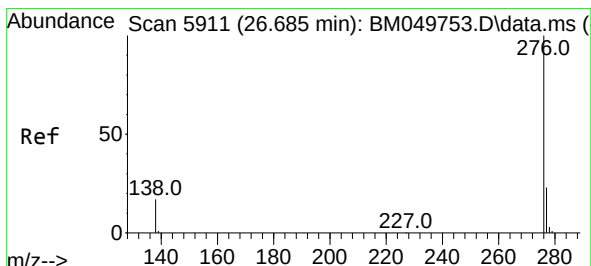
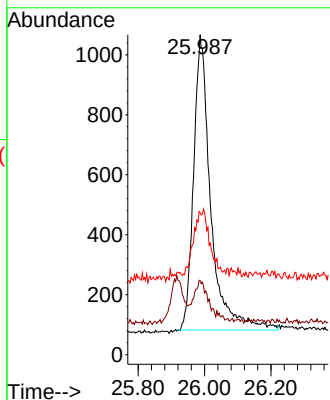
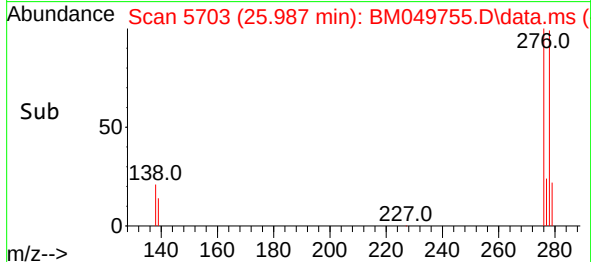
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2025-01



Tgt Ion:278 Resp: 354
Ion Ratio Lower Upper
278 100
139 23.1 13.0 19.4#
279 44.4 22.6 33.8#

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Reviewed By :Rahul Chavli 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#29
Benzo(g,h,i)perylene
Concen: 0.082 ng/ul
RT: 26.678 min Scan# 5909
Delta R.T. -0.004 min
Lab File: BM049755.D
Acq: 25 Mar 2025 11:11

Tgt Ion:276 Resp: 3967
Ion Ratio Lower Upper
276 100
138 25.5 15.2 22.8#
277 31.9 20.3 30.5#

