

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100225\
 Data File : BN037986.D
 Acq On : 02 Oct 2025 11:47
 Operator : RC/JU
 Sample : Q2899-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT3-2025-05

Quant Time: Oct 02 12:10:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 09:41:10 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	11385	0.400	ng/ul	0.00
4) Naphthalene-d8	10.606	136	33838	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.465	164	18936	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.213	188	36807	0.400	ng/ul	0.00
17) Chrysene-d12	21.394	240	25709	0.400	ng/ul	0.00
23) Perylene-d12	23.712	264	22389	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.256	96	7295	0.604	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.207	152	15448	0.323	ng/ul	0.00
18) Fluoranthene-d10	19.240	212	28412	0.366	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.294	88	956	0.076	ng/ul#	85
5) Naphthalene	10.656	128	6984	0.076	ng/ul	98
7) 2-Methylnaphthalene	12.278	142	4662	0.076	ng/ul	99
8) 1-Methylnaphthalene	12.498	142	4365	0.067	ng/ul	99
10) Acenaphthylene	14.183	152	6514	0.072	ng/ul	97
11) Acenaphthene	14.525	153	4945	0.075	ng/ul	99
12) Fluorene	15.515	166	5389	0.071	ng/ul	100
14) Pentachlorophenol	16.863	266	668	0.070	ng/ul	96
15) Phenanthrene	17.251	178	8912	0.075	ng/ul	98
16) Anthracene	17.344	178	7477	0.071	ng/ul	97
19) Fluoranthene	19.272	202	9263	0.086	ng/ul	100
20) Pyrene	19.630	202	9090	0.085	ng/ul	98
21) Benzo(a)anthracene	21.377	228	7152	0.077	ng/ul	99
22) Chrysene	21.429	228	7780	0.079	ng/ul	99
24) Benzo(b)fluoranthene	23.011	252	8097m	0.083	ng/ul	
25) Benzo(k)fluoranthene	23.054	252	7812	0.080	ng/ul#	75
26) Benzo(a)pyrene	23.610	252	6648	0.083	ng/ul#	35
27) Indeno(1,2,3-cd)pyrene	26.074	276	8025	0.083	ng/ul#	83
28) Dibenzo(a,h)anthracene	26.098	278	6080	0.081	ng/ul#	86
29) Benzo(g,h,i)perylene	26.796	276	6113	0.076	ng/ul	92

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

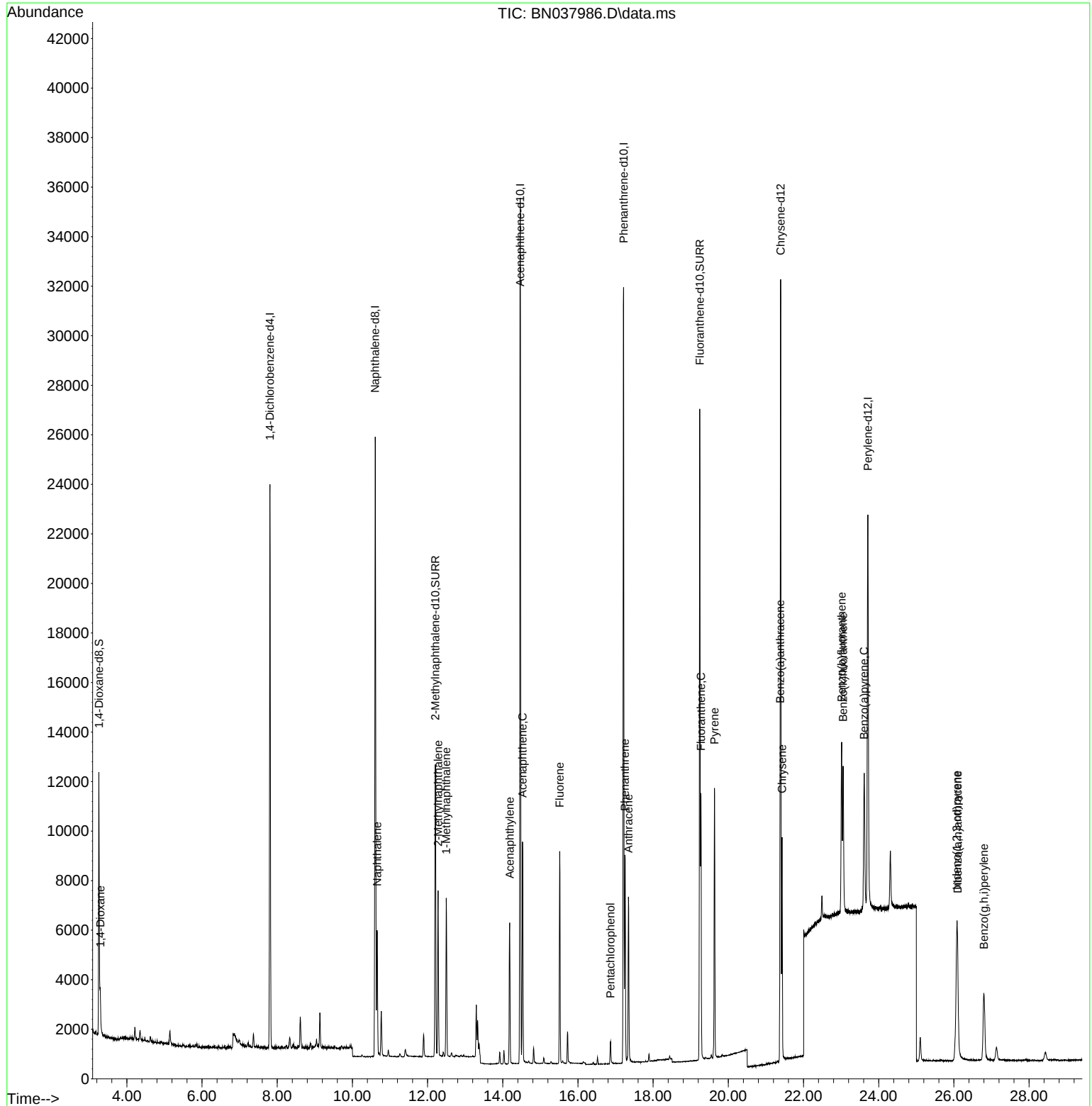
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100225\
Data File : BN037986.D
Acq On : 02 Oct 2025 11:47
Operator : RC/JU
Sample : Q2899-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

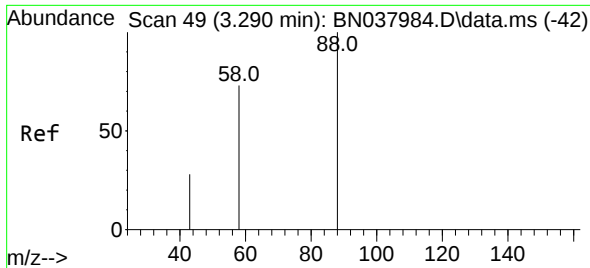
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2025-05

Quant Time: Oct 02 12:10:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 09:41:10 2025
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Manual Integrations
APPROVED

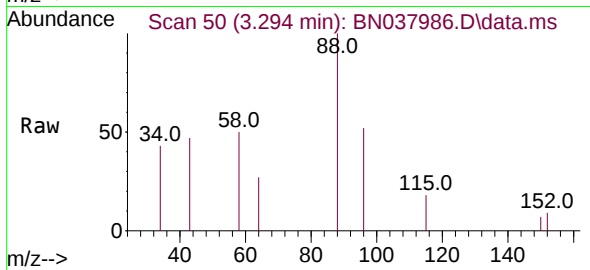
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025





#2
1,4-Dioxane
Concen: 0.076 ng/ul
RT: 3.294 min Scan# 50
Delta R.T. 0.004 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

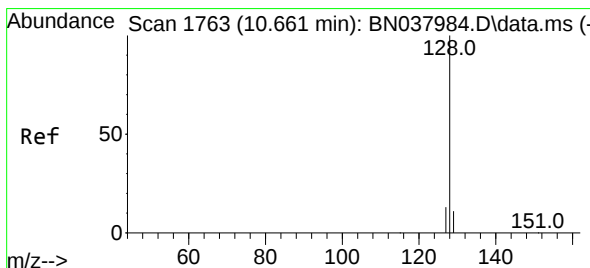
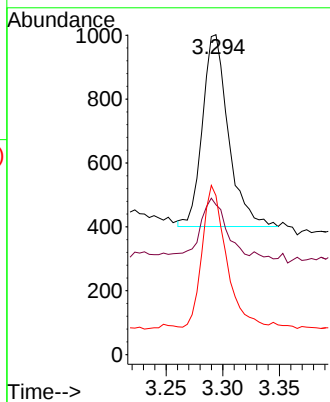
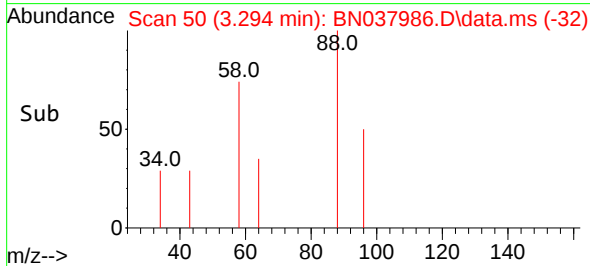
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2025-05



Tgt Ion: 88 Resp: 956
Ion Ratio Lower Upper
88 100
43 46.8 36.2 54.4
58 49.7 55.3 82.9

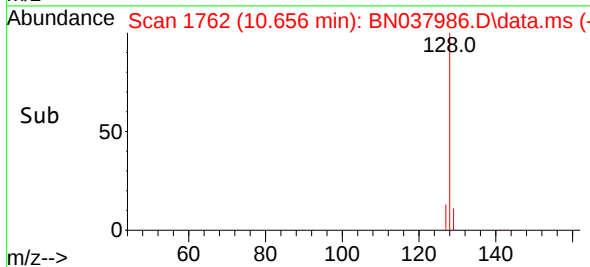
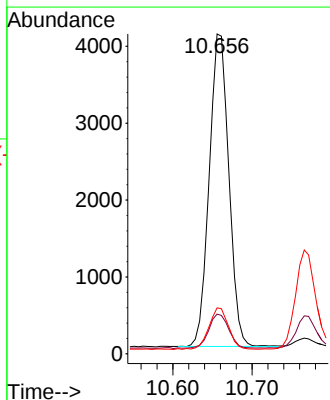
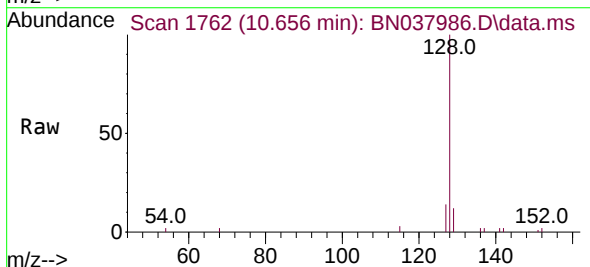
Manual Integrations
APPROVED

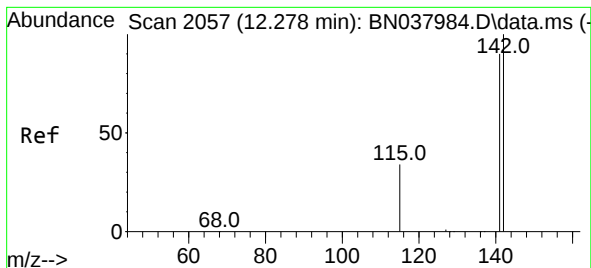
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#5
Naphthalene
Concen: 0.076 ng/ul
RT: 10.656 min Scan# 1762
Delta R.T. -0.004 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

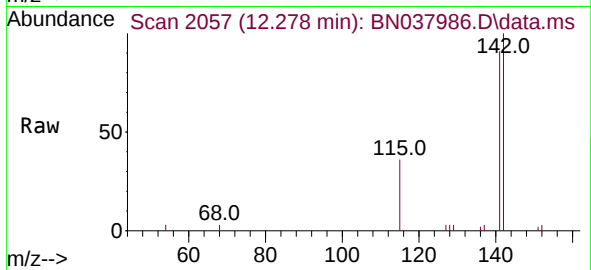
Tgt Ion:128 Resp: 6984
Ion Ratio Lower Upper
128 100
129 12.4 9.1 13.7
127 14.4 10.8 16.2





#7
2-Methylnaphthalene
Concen: 0.076 ng/ul
RT: 12.278 min Scan# 2057
Delta R.T. -0.004 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

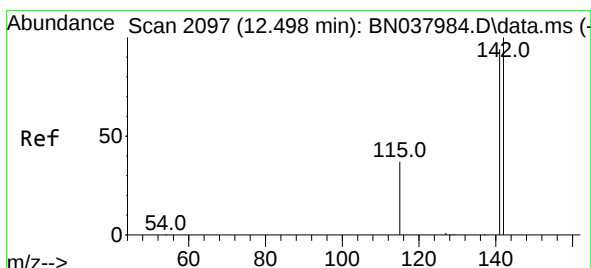
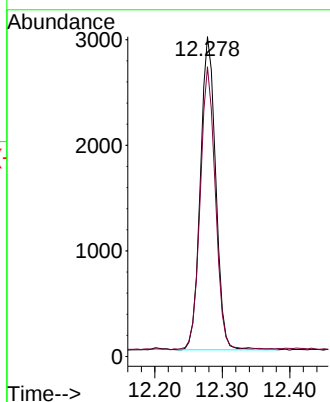
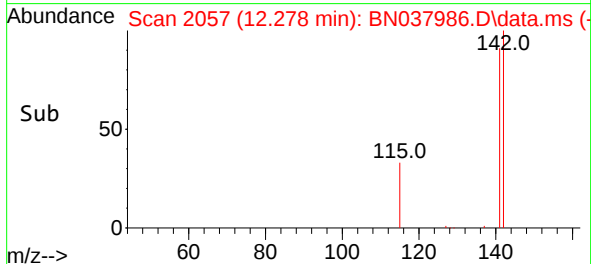
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT3-2025-05



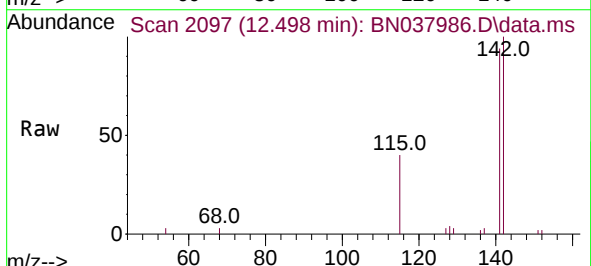
Tgt Ion:142 Resp: 4662
Ion Ratio Lower Upper
142 100
141 90.2 71.2 106.8

Manual Integrations
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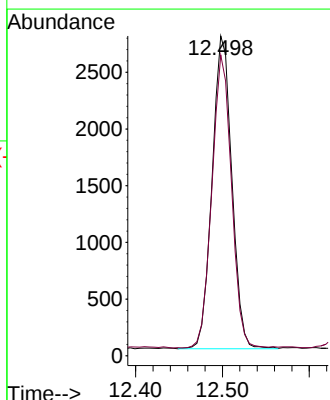
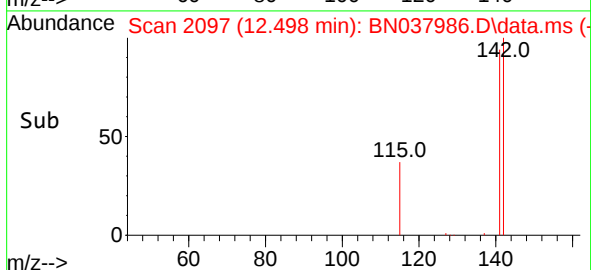
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

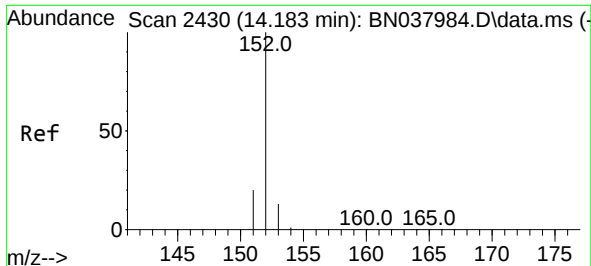


#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.498 min Scan# 2097
Delta R.T. -0.004 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47



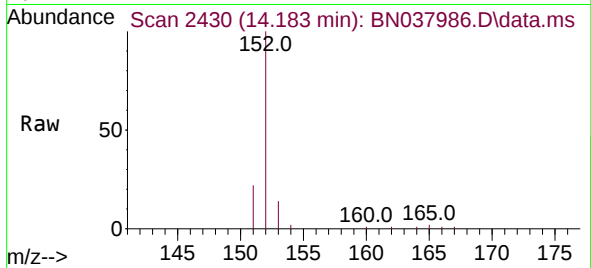
Tgt Ion:142 Resp: 4365
Ion Ratio Lower Upper
142 100
141 93.2 73.9 110.9





#10
Acenaphthylene
Concen: 0.072 ng/ul
RT: 14.183 min Scan# 2430
Delta R.T. 0.001 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

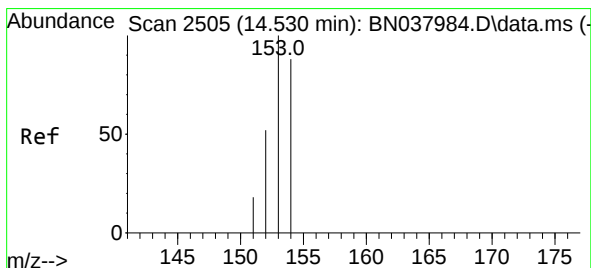
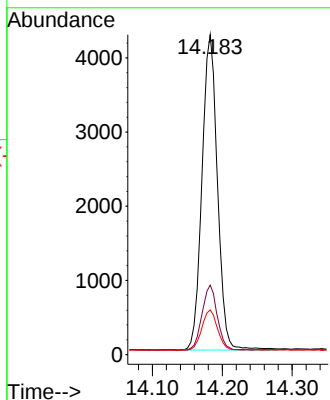
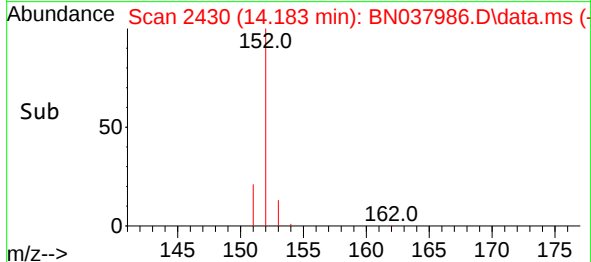
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2025-05



Tgt Ion:152 Resp: 6514
Ion Ratio Lower Upper
152 100
151 21.7 16.3 24.5
153 14.0 10.6 15.8

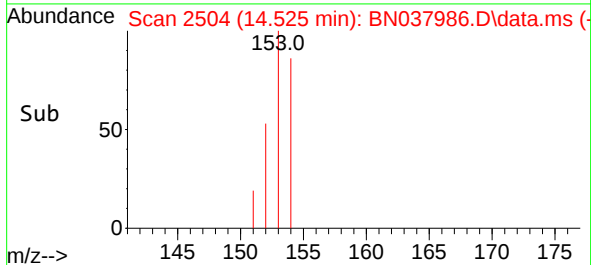
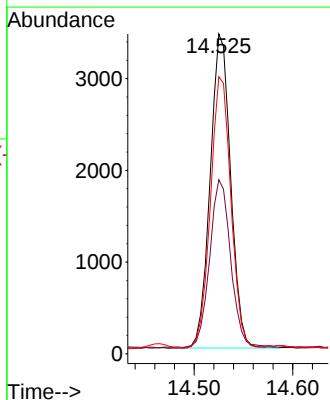
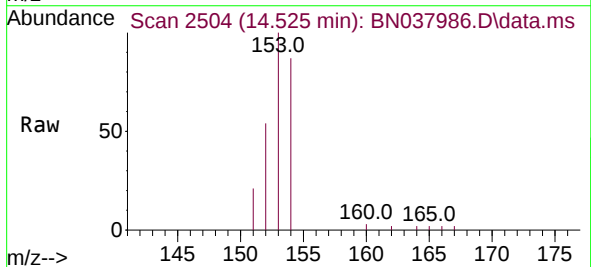
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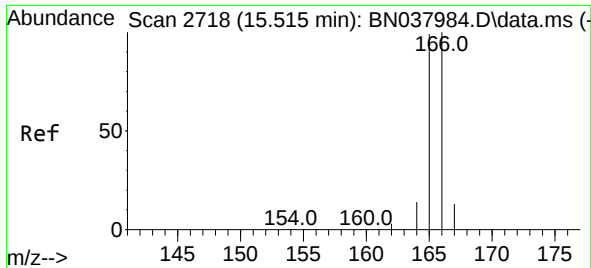
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#11
Acenaphthene
Concen: 0.075 ng/ul
RT: 14.525 min Scan# 2504
Delta R.T. -0.003 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

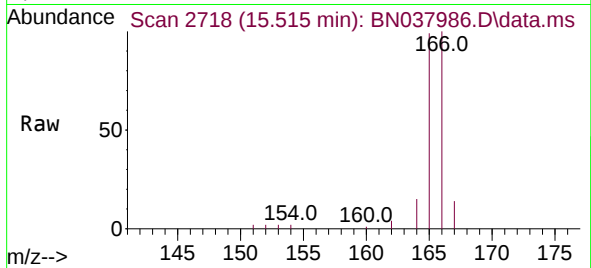
Tgt Ion:153 Resp: 4945
Ion Ratio Lower Upper
153 100
152 54.4 42.2 63.2
154 86.6 69.1 103.7





#12
Fluorene
Concen: 0.071 ng/ul
RT: 15.515 min Scan# 2718
Delta R.T. -0.003 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

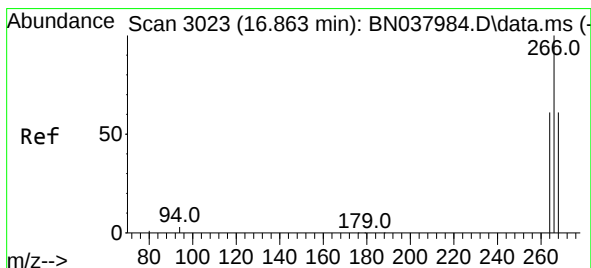
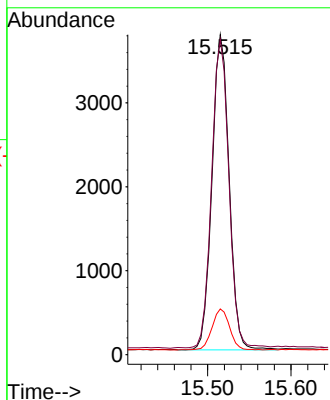
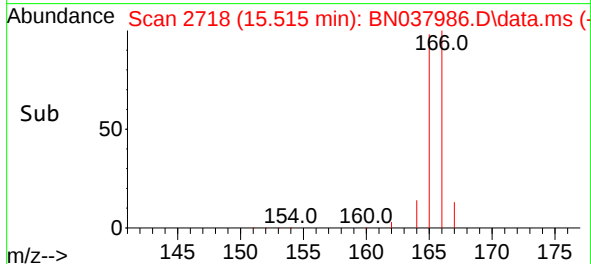
Instrument : BNA_N
ClientSampleId :
MDL-WATER-QT3-2025-05



Tgt Ion:166 Resp: 5389
Ion Ratio Lower Upper
166 100
165 98.5 78.7 118.1
167 14.3 10.9 16.3

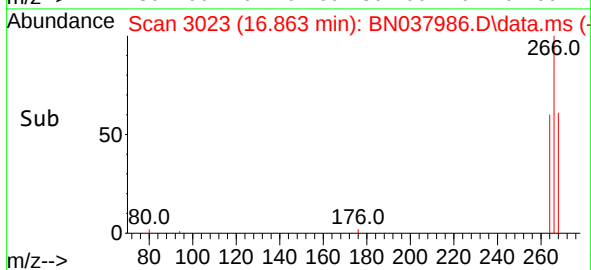
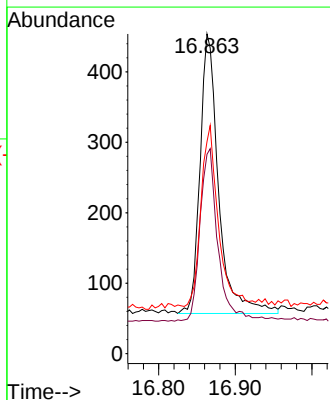
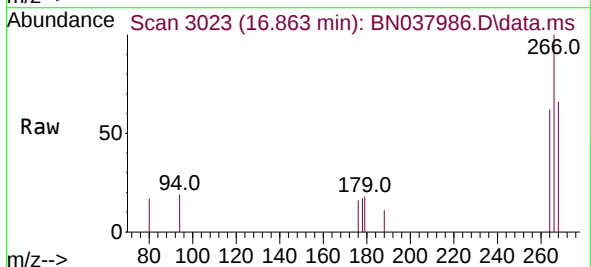
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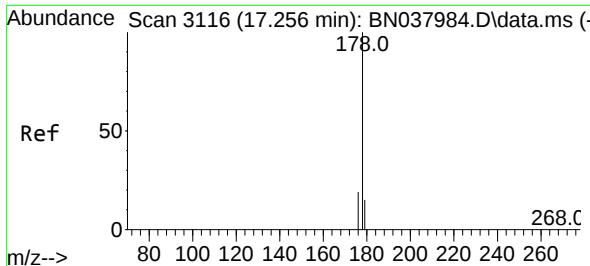
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#14
Pentachlorophenol
Concen: 0.070 ng/ul
RT: 16.863 min Scan# 3023
Delta R.T. 0.001 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

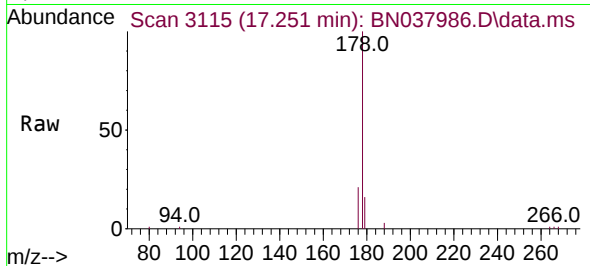
Tgt Ion:266 Resp: 668
Ion Ratio Lower Upper
266 100
264 60.5 50.4 75.6
268 60.8 51.6 77.4





#15
Phenanthrene
Concen: 0.075 ng/ul
RT: 17.251 min Scan# 3115
Delta R.T. -0.003 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

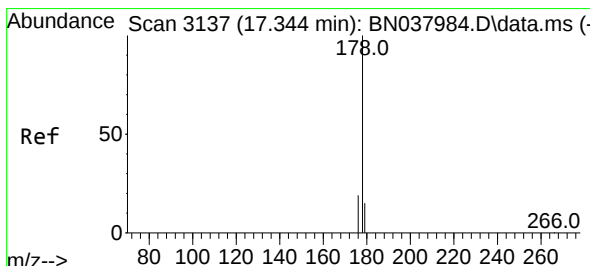
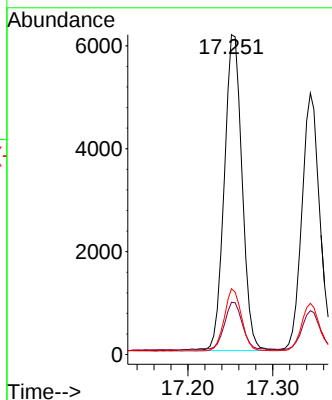
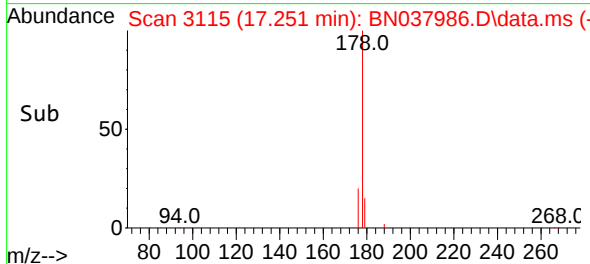
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2025-05



Tgt Ion:178 Resp: 8912
Ion Ratio Lower Upper
178 100
179 16.3 12.3 18.5
176 20.6 15.6 23.4

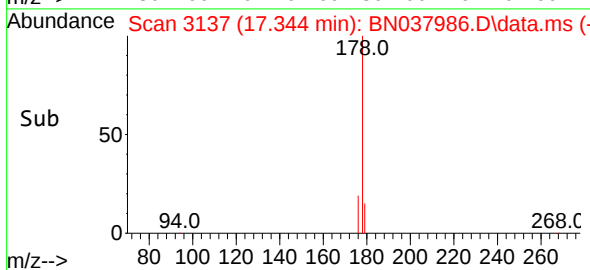
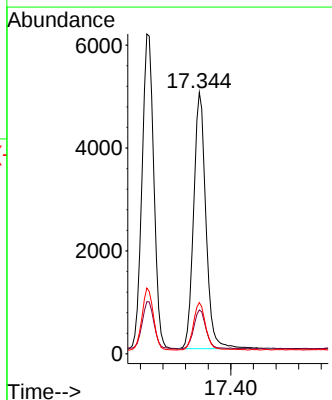
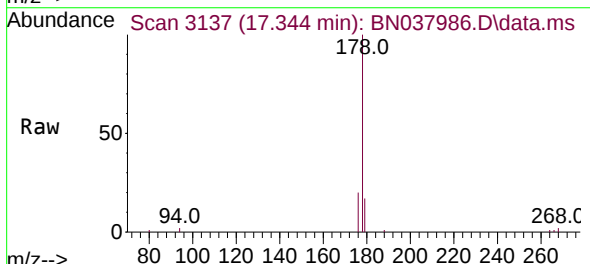
Manual Integrations
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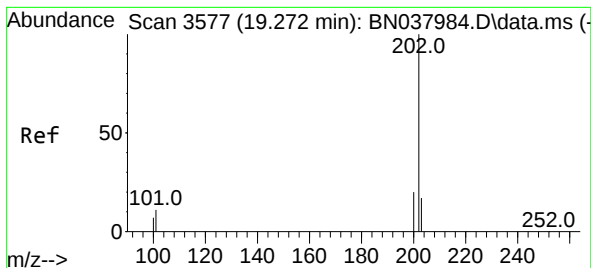
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#16
Anthracene
Concen: 0.071 ng/ul
RT: 17.344 min Scan# 3137
Delta R.T. -0.003 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

Tgt Ion:178 Resp: 7477
Ion Ratio Lower Upper
178 100
179 16.8 12.5 18.7
176 19.6 14.9 22.3





#19

Fluoranthene

Concen: 0.086 ng/ul

RT: 19.272 min Scan# 3577

Delta R.T. 0.001 min

Lab File: BN037986.D

Acq: 02 Oct 2025 11:47

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT3-2025-05

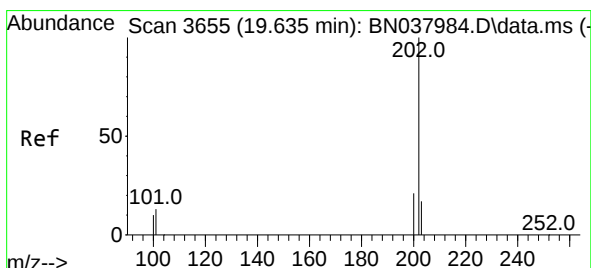
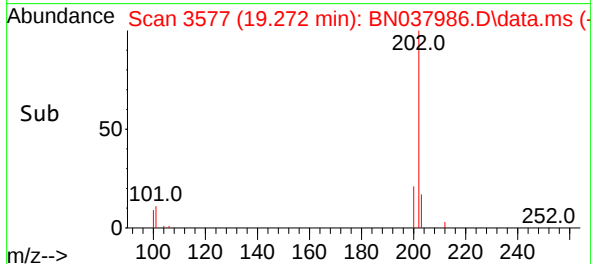
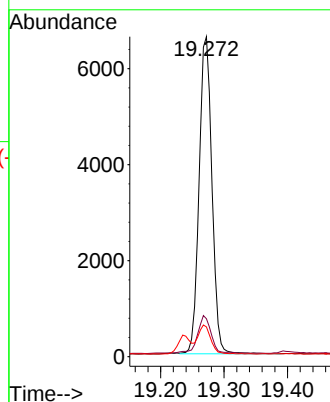
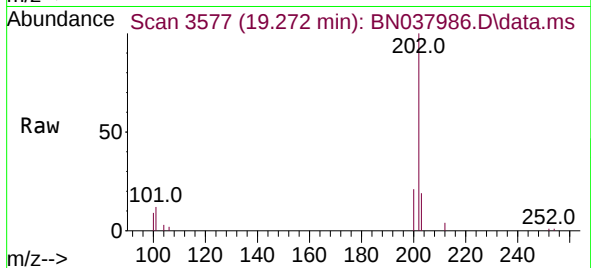
Tgt Ion:	202	Resp:	926
Ion Ratio	Lower	Upper	
202	100		
101	11.8	9.5	14.3
100	9.3	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#20

Pyrene

Concen: 0.085 ng/ul

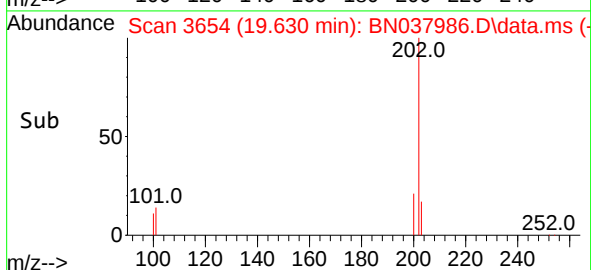
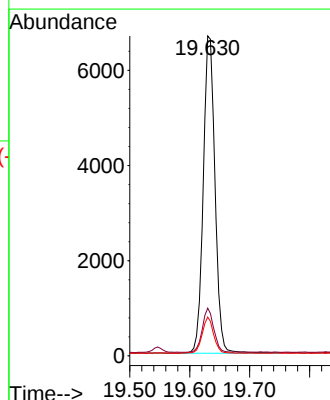
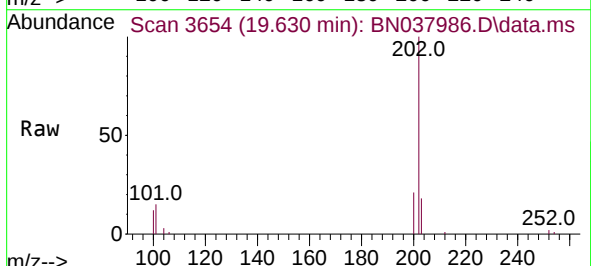
RT: 19.630 min Scan# 3654

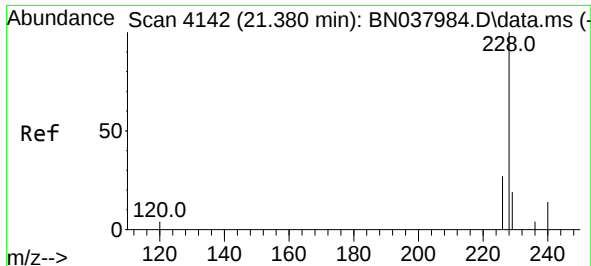
Delta R.T. -0.003 min

Lab File: BN037986.D

Acq: 02 Oct 2025 11:47

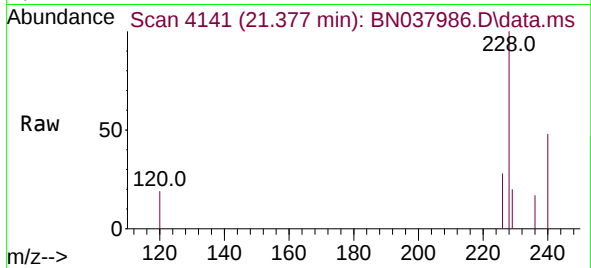
Tgt Ion:	202	Resp:	9090
Ion Ratio	Lower	Upper	
202	100		
101	14.9	11.1	16.7
100	12.1	9.0	13.4





#21
Benzo(a)anthracene
Concen: 0.077 ng/ul
RT: 21.377 min Scan# 4142
Delta R.T. -0.003 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

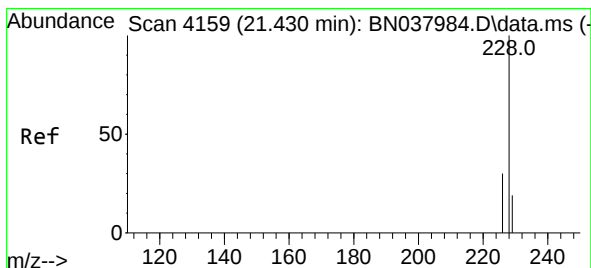
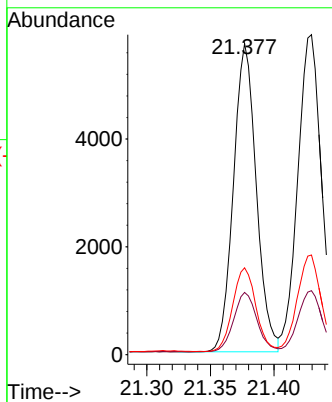
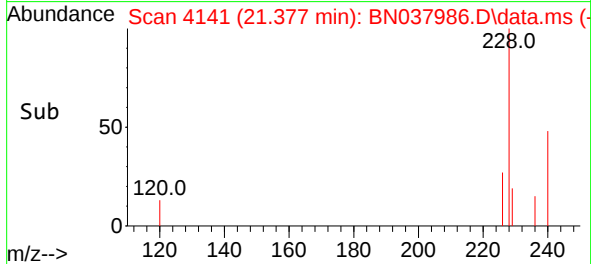
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2025-05



Tgt Ion:228 Resp: 7152
Ion Ratio Lower Upper
228 100
229 20.0 15.8 23.6
226 27.9 22.1 33.1

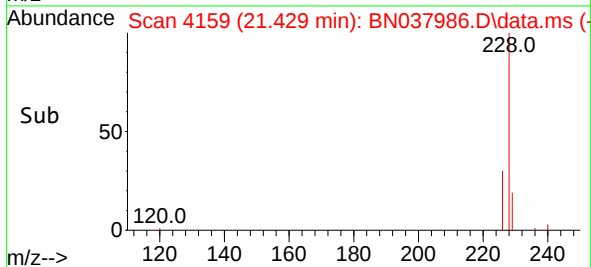
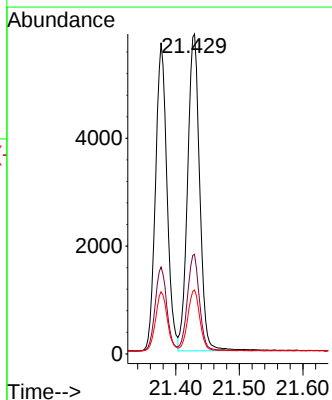
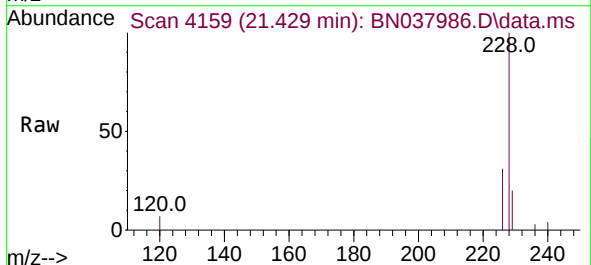
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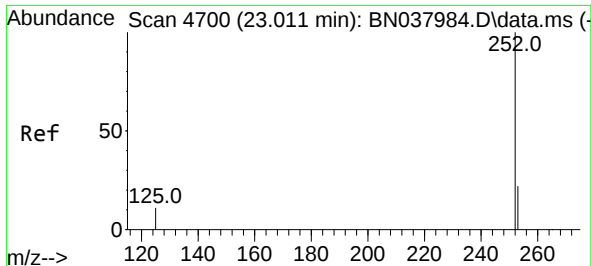
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#22
Chrysene
Concen: 0.079 ng/ul
RT: 21.429 min Scan# 4159
Delta R.T. -0.003 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

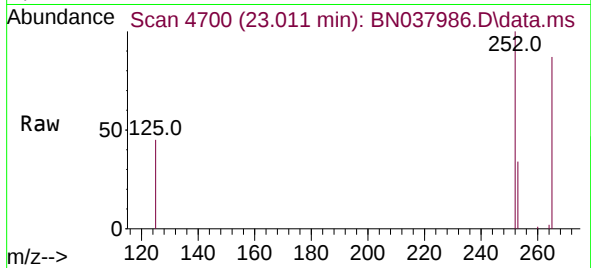
Tgt Ion:228 Resp: 7780
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 20.0 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 0.083 ng/ul m
RT: 23.011 min Scan# 4700
Delta R.T. -0.003 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

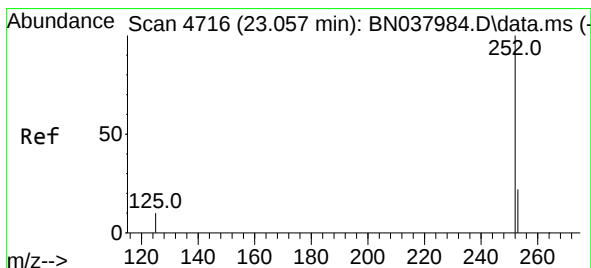
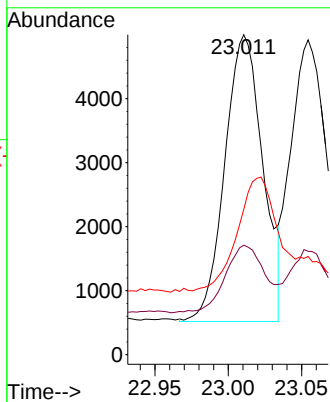
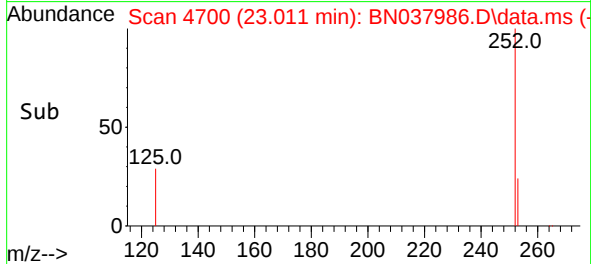
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2025-05



Tgt Ion:252 Resp: 8092
Ion Ratio Lower Upper
252 100
253 34.2 0.0 49.6
125 45.4 0.0 31.6

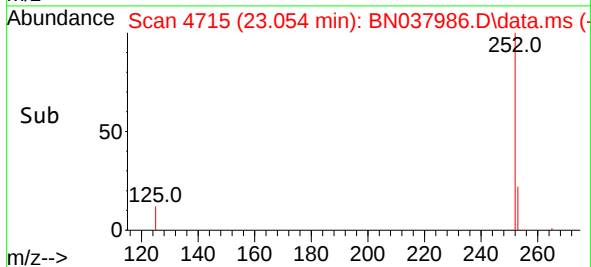
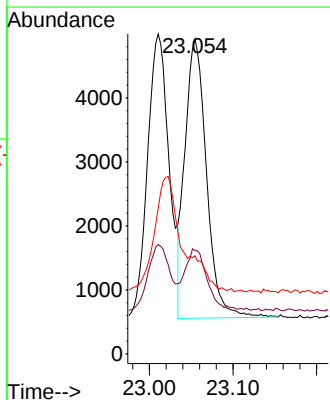
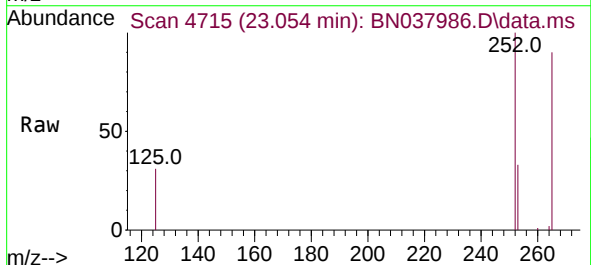
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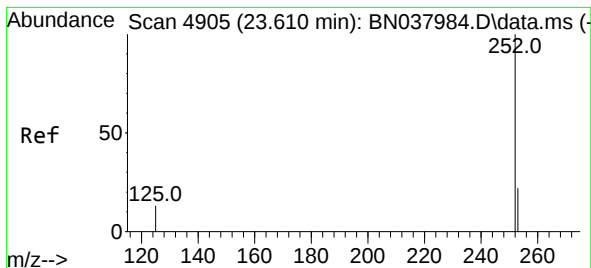
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#25
Benzo(k)fluoranthene
Concen: 0.080 ng/ul
RT: 23.054 min Scan# 4715
Delta R.T. -0.006 min
Lab File: BN037986.D
Acq: 02 Oct 2025 11:47

Tgt Ion:252 Resp: 7812
Ion Ratio Lower Upper
252 100
253 32.8 19.4 29.2#
125 31.2 12.3 18.5#





#26

Benzo(a)pyrene

Concen: 0.083 ng/ul

RT: 23.610 min Scan# 4905

Delta R.T. -0.003 min

Lab File: BN037986.D

Acq: 02 Oct 2025 11:47

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT3-2025-05

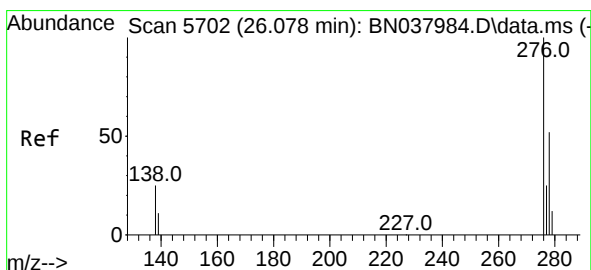
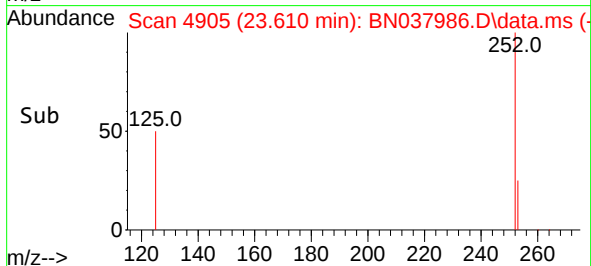
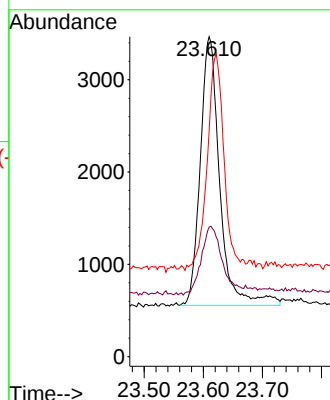
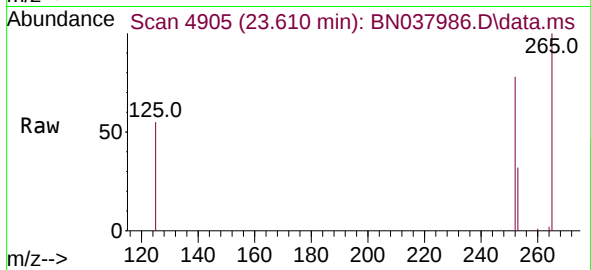
Tgt Ion:252	Resp:	6648
Ion Ratio	Lower	Upper
252	100	
253	40.5	20.6 30.8
125	70.6	15.3 22.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.083 ng/ul

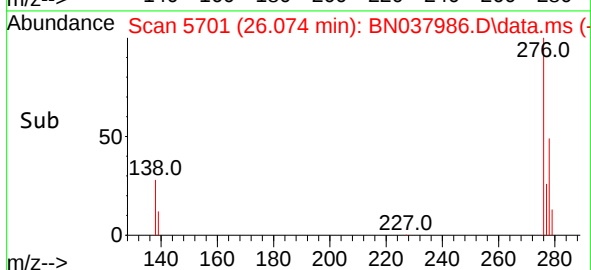
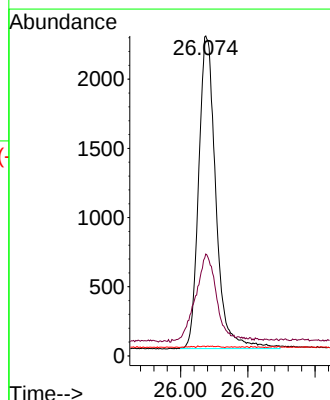
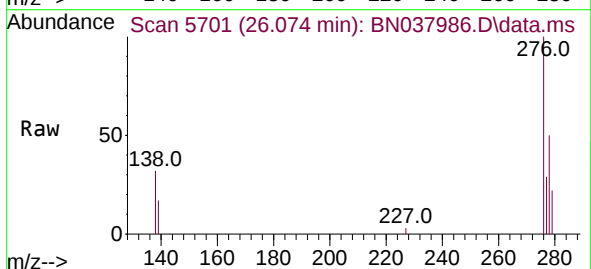
RT: 26.074 min Scan# 5701

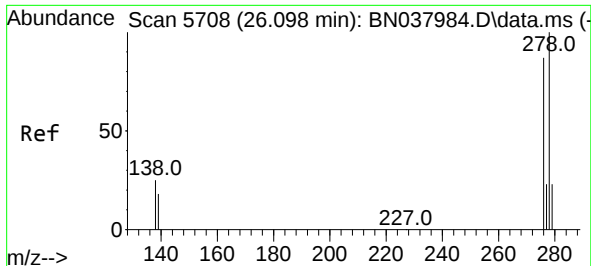
Delta R.T. -0.014 min

Lab File: BN037986.D

Acq: 02 Oct 2025 11:47

Tgt Ion:276	Resp:	8025
Ion Ratio	Lower	Upper
276	100	
138	32.8	19.4 29.0
227	0.1	0.1 0.1





#28

Dibenzo(a,h)anthracene

Concen: 0.081 ng/ul

RT: 26.098 min Scan# 51

Delta R.T. -0.004 min

Lab File: BN037986.D

Acq: 02 Oct 2025 11:47

Instrument :

BNA_N

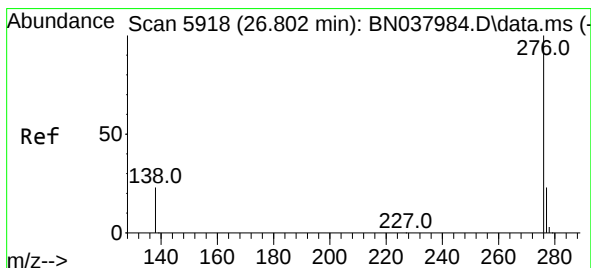
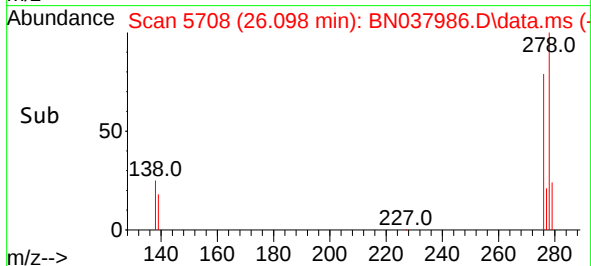
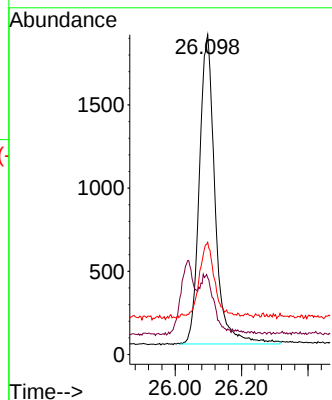
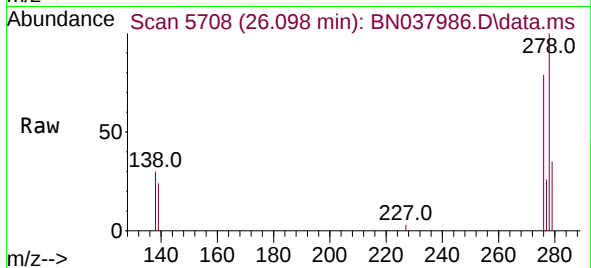
ClientSampleId :

MDL-WATER-QT3-2025-05

Tgt Ion:278 Resp: 6080
 Ion Ratio Lower Upper
 278 100
 139 24.0 15.8 23.6
 279 35.0 20.8 31.2

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025



#29

Benzo(g,h,i)perylene

Concen: 0.076 ng/ul

RT: 26.796 min Scan# 5916

Delta R.T. -0.014 min

Lab File: BN037986.D

Acq: 02 Oct 2025 11:47

Tgt Ion:276 Resp: 6113
 Ion Ratio Lower Upper
 276 100
 138 28.8 19.7 29.5
 277 28.2 19.7 29.5

