

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061825\
 Data File : BN037308.D
 Acq On : 18 Jun 2025 10:43
 Operator : RC/JU
 Sample : Q2117-02
 Misc : MDL-WATER-0.07 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT2-2025-04

Quant Time: Jun 18 12:13:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN061725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 17 15:03:28 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/18/2025
 Supervised By :Jagrut Upadhyay 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.582	152	626	0.400	ng/ul	0.00
4) Naphthalene-d8	10.353	136	1471	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.224	164	1167	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.985	188	2262	0.400	ng/ul #	0.00
17) Chrysene-d12	21.181	240	2256	0.400	ng/ul #	0.00
23) Perylene-d12	23.361	264	2601	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.072	96	473	0.814	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.964	152	780	0.318	ng/ul	0.00
18) Fluoranthene-d10	19.016	212	2465	0.342	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.105	88	52m	0.071	ng/ul	
5) Naphthalene	10.408	128	276	0.071	ng/ul#	39
7) 2-Methylnaphthalene	12.041	142	189	0.067	ng/ul	95
8) 1-Methylnaphthalene	12.261	142	210	0.073	ng/ul	100
10) Acenaphthylene	13.946	152	374	0.071	ng/ul#	63
11) Acenaphthene	14.289	153	271	0.072	ng/ul#	93
12) Fluorene	15.302	166	295	0.065	ng/ul#	90
14) Pentachlorophenol	16.652	266	58	0.069	ng/ul	88
15) Phenanthrene	17.023	178	465	0.071	ng/ul#	64
16) Anthracene	17.133	178	343	0.057	ng/ul#	49
19) Fluoranthene	19.044	202	647	0.072	ng/ul#	67
20) Pyrene	19.411	202	689	0.076	ng/ul#	66
21) Benzo(a)anthracene	21.169	228	441	0.058	ng/ul#	71
22) Chrysene	21.216	228	758	0.078	ng/ul#	83
24) Benzo(b)fluoranthene	22.715	252	597	0.066	ng/ul#	22
25) Benzo(k)fluoranthene	22.759	252	770	0.072	ng/ul#	23
26) Benzo(a)pyrene	23.273	252	572	0.063	ng/ul#	16
27) Indeno(1,2,3-cd)pyrene	25.571	276	758	0.068	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.598	278	554	0.065	ng/ul#	1
29) Benzo(g,h,i)perylene	26.222	276	715	0.074	ng/ul#	62

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

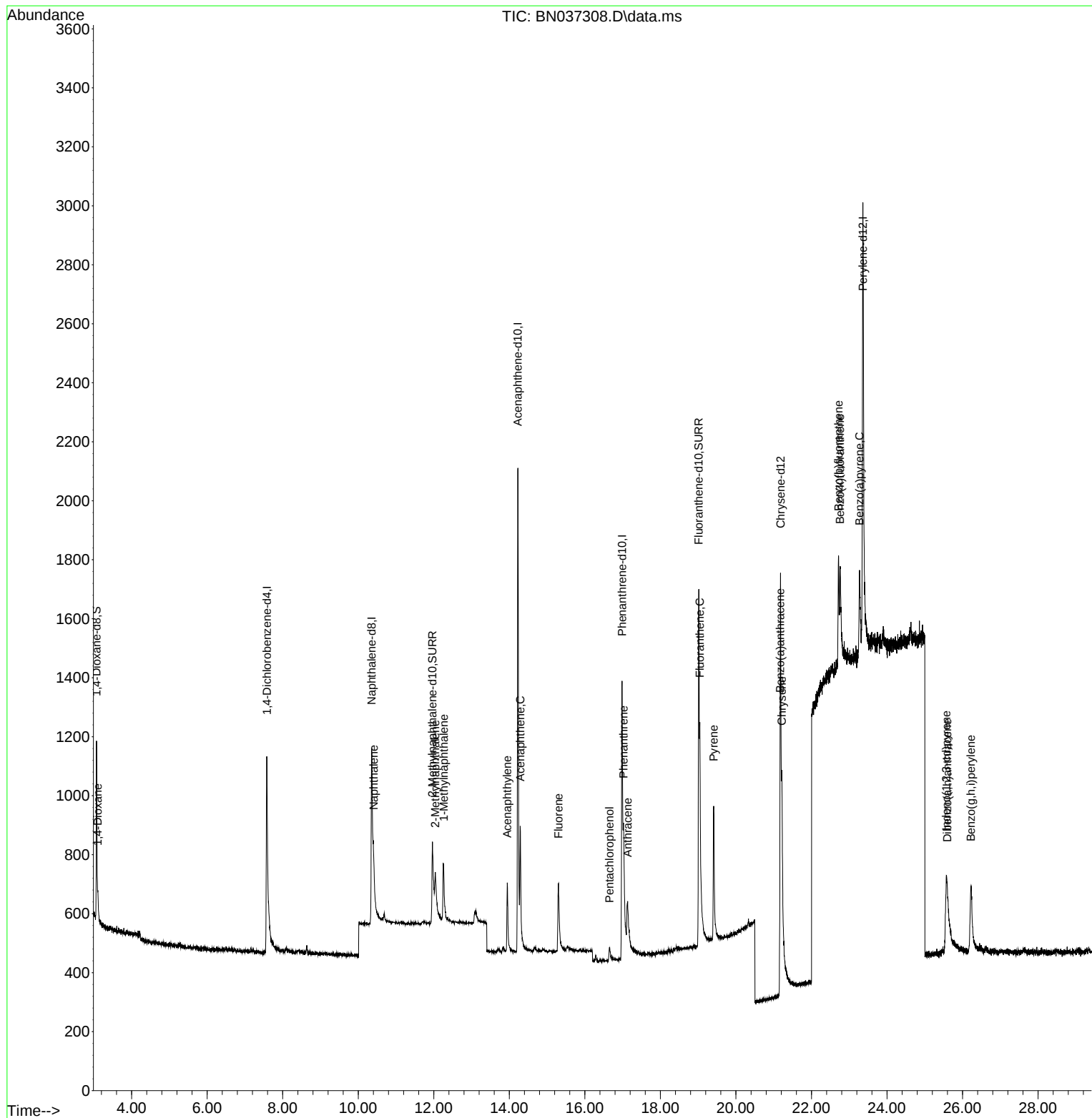
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061825\
Data File : BN037308.D
Acq On : 18 Jun 2025 10:43
Operator : RC/JU
Sample : Q2117-02
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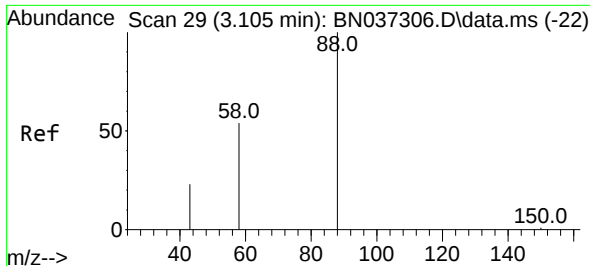
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-04

Quant Time: Jun 18 12:13:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN061725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 17 15:03:28 2025
Response via : Initial Calibration

Manual Integrations
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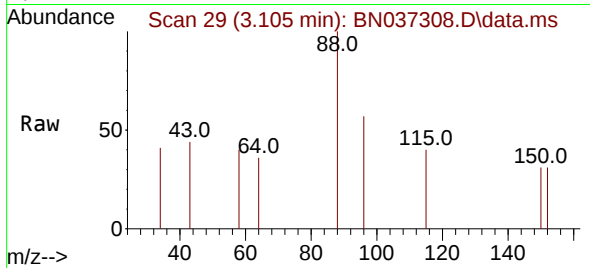
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025





#2
1,4-Dioxane
Concen: 0.071 ng/ul m
RT: 3.105 min Scan# 29
Delta R.T. -0.000 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

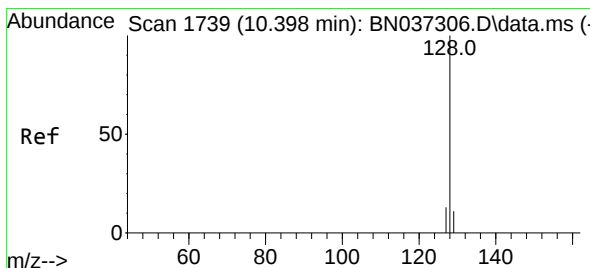
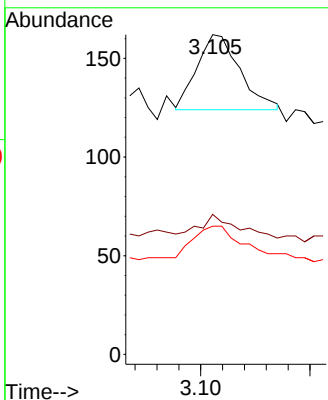
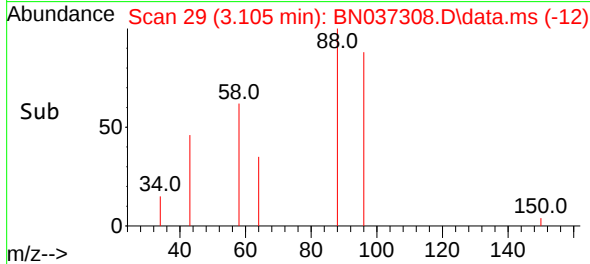
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-04



Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 43.8 27.1 40.7
58 40.1 38.7 58.1

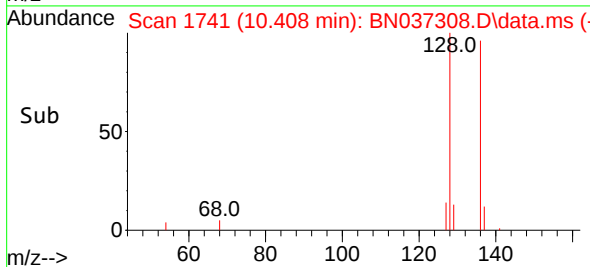
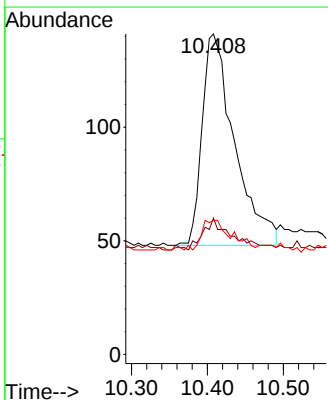
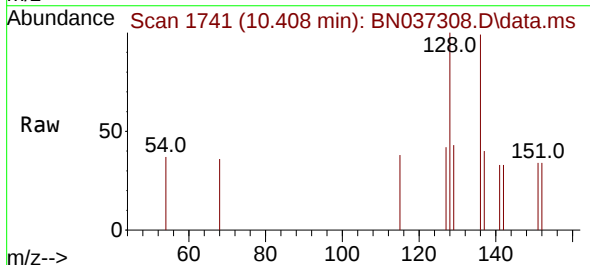
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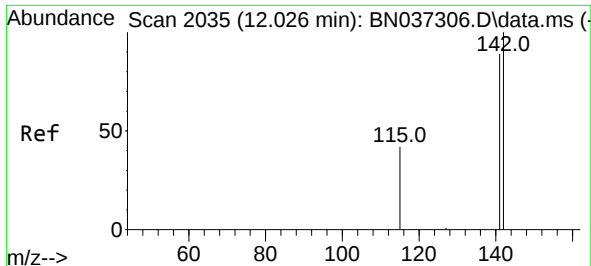
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#5
Naphthalene
Concen: 0.071 ng/ul
RT: 10.408 min Scan# 1741
Delta R.T. 0.010 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

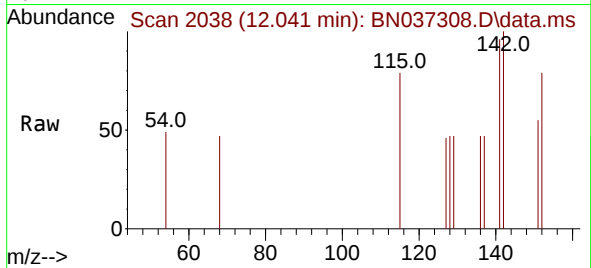
Tgt Ion:128 Resp: 276
Ion Ratio Lower Upper
128 100
129 42.6 11.4 17.2#
127 41.8 14.2 21.2#





#7
2-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.041 min Scan# 2038
Delta R.T. 0.015 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

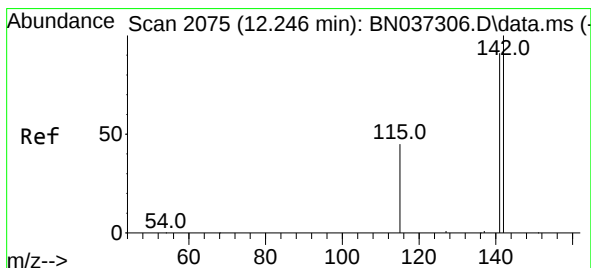
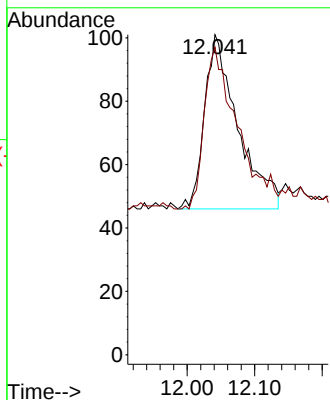
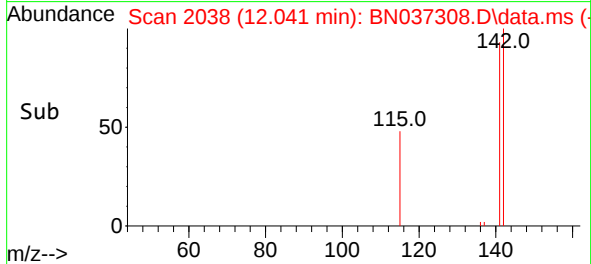
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-04



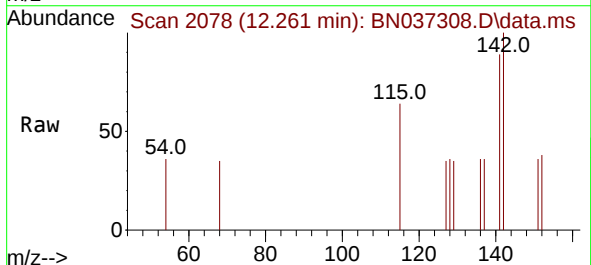
Tgt Ion:142 Resp: 189
Ion Ratio Lower Upper
142 100
141 93.7 70.9 106.3

Manual Integrations
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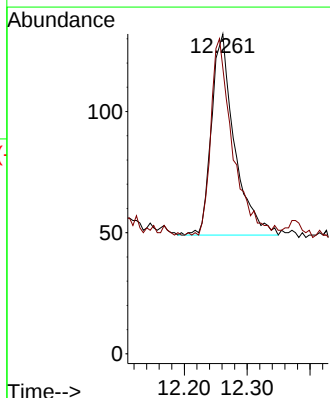
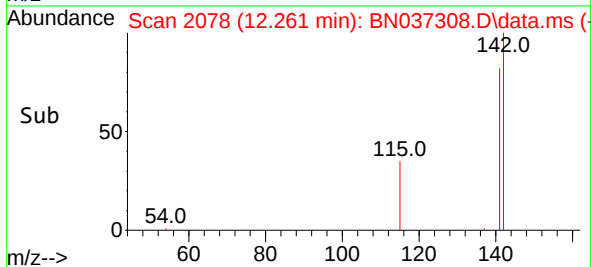
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025

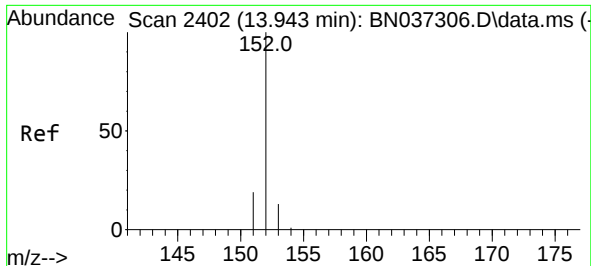


#8
1-Methylnaphthalene
Concen: 0.073 ng/ul
RT: 12.261 min Scan# 2078
Delta R.T. 0.015 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43



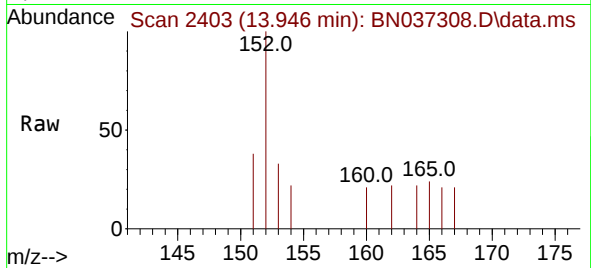
Tgt Ion:142 Resp: 210
Ion Ratio Lower Upper
142 100
141 92.9 74.6 111.8





#10
Acenaphthylene
Concen: 0.071 ng/ul
RT: 13.946 min Scan# 2403
Delta R.T. 0.003 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

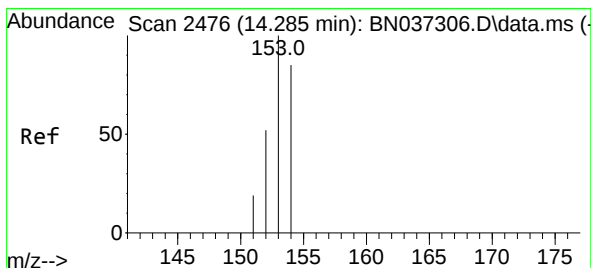
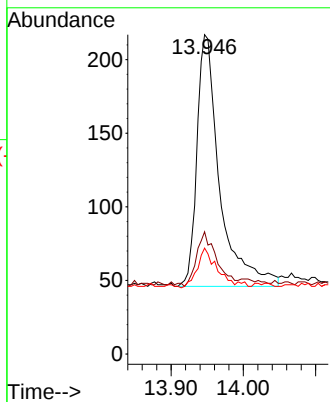
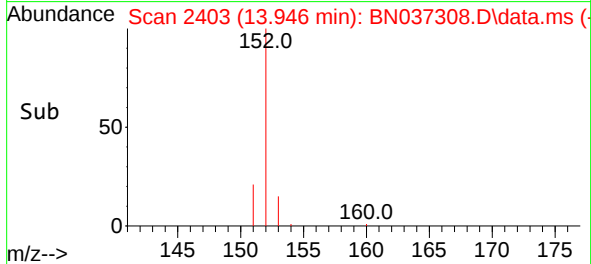
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-04



Tgt Ion:152 Resp: 374
Ion Ratio Lower Upper
152 100
151 38.2 17.8 26.8
153 33.2 12.2 18.2

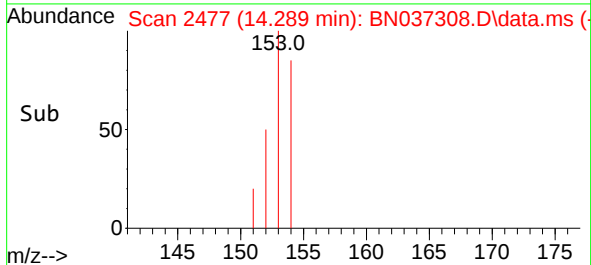
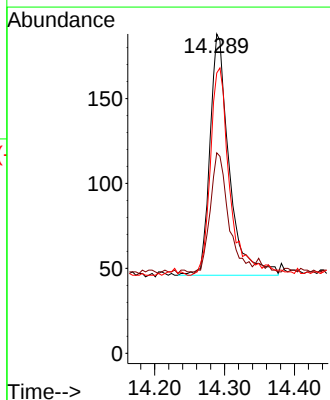
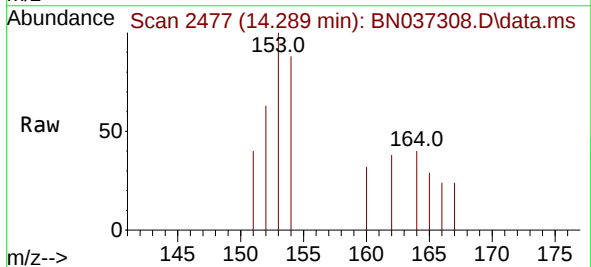
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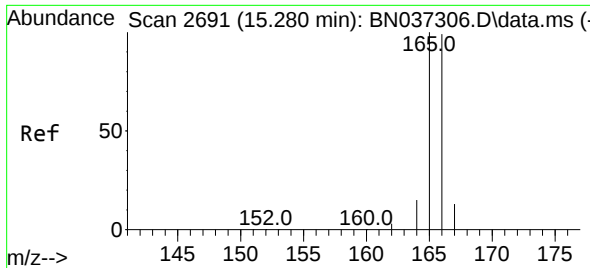
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#11
Acenaphthene
Concen: 0.072 ng/ul
RT: 14.289 min Scan# 2477
Delta R.T. -0.001 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

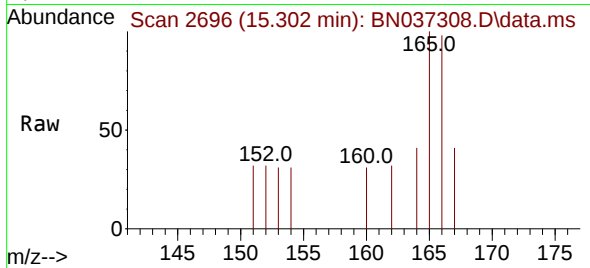
Tgt Ion:153 Resp: 271
Ion Ratio Lower Upper
153 100
152 62.8 41.1 61.7
154 87.8 70.9 106.3





#12
Fluorene
Concen: 0.065 ng/ul
RT: 15.302 min Scan# 2696
Delta R.T. 0.017 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

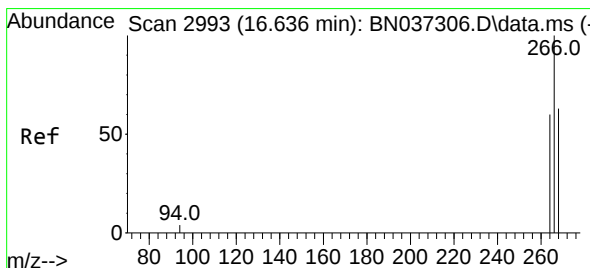
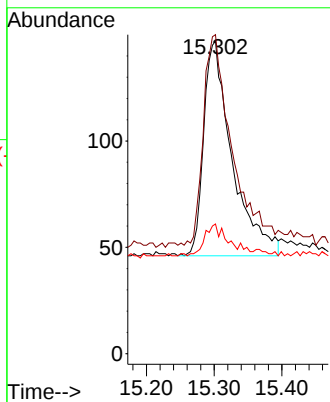
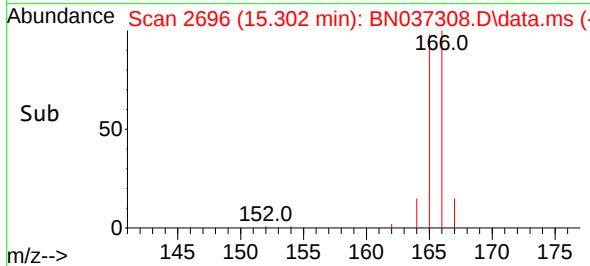
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-04



Tgt Ion:166 Resp: 299
Ion Ratio Lower Upper
166 100
165 102.0 79.8 119.6
167 41.5 13.0 19.6

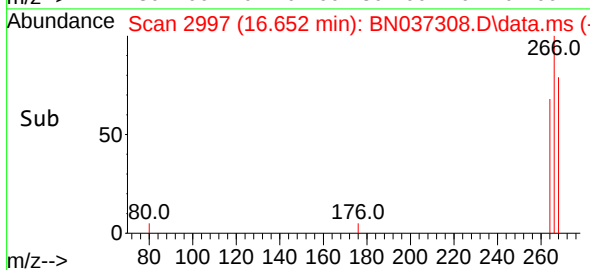
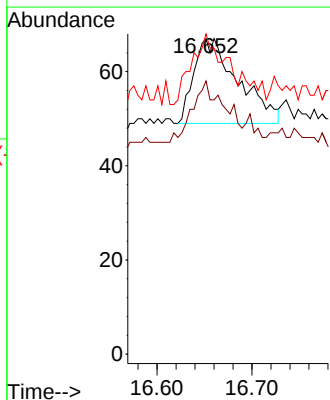
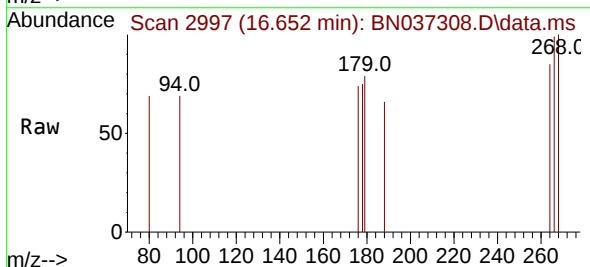
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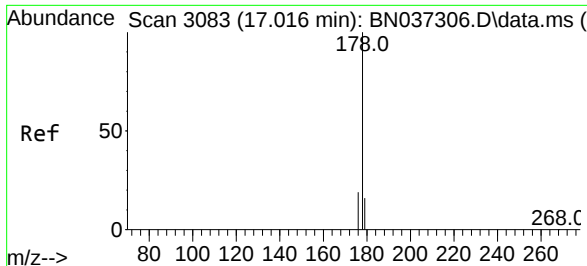
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#14
Pentachlorophenol
Concen: 0.069 ng/ul
RT: 16.652 min Scan# 2997
Delta R.T. 0.015 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

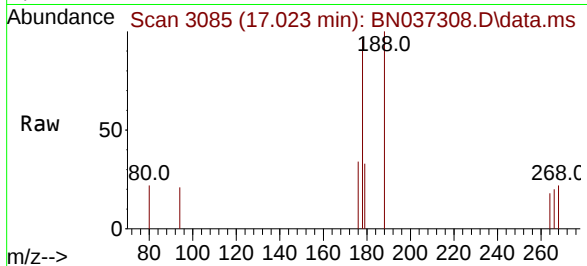
Tgt Ion:266 Resp: 58
Ion Ratio Lower Upper
266 100
264 53.4 50.5 75.7
268 74.1 51.9 77.9





#15
Phenanthrene
Concen: 0.071 ng/ul
RT: 17.023 min Scan# 3083
Delta R.T. 0.007 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

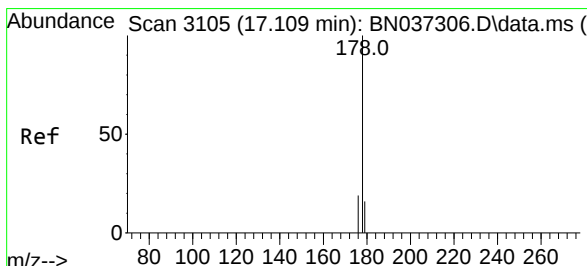
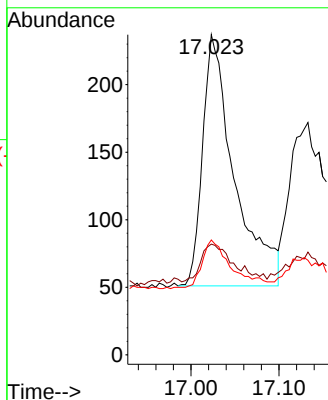
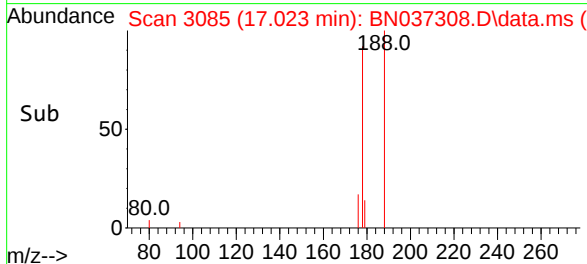
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT2-2025-04



Tgt Ion:178 Resp: 468
Ion Ratio Lower Upper
178 100
179 34.6 13.7 20.5#
176 35.9 16.6 24.8#

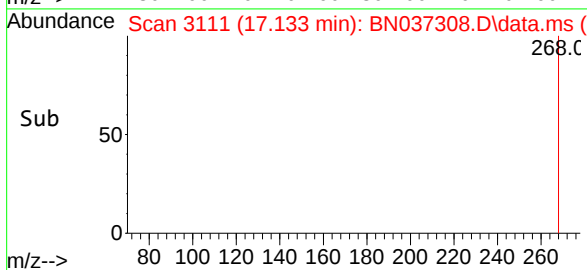
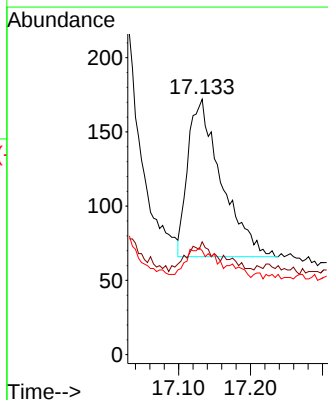
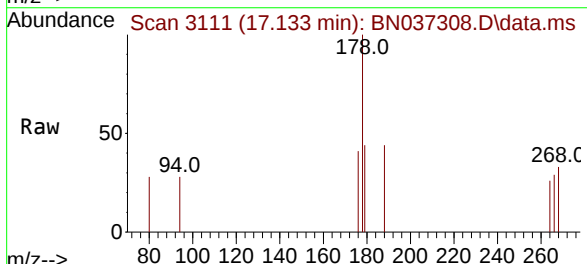
Manual Integrations
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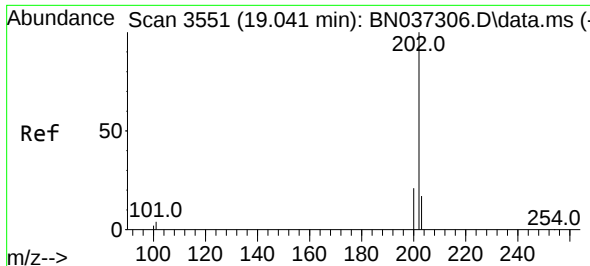
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#16
Anthracene
Concen: 0.057 ng/ul
RT: 17.133 min Scan# 3111
Delta R.T. 0.020 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

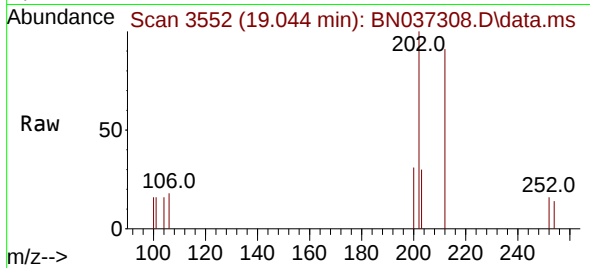
Tgt Ion:178 Resp: 343
Ion Ratio Lower Upper
178 100
179 44.2 13.8 20.8#
176 40.7 16.8 25.2#





#19
Fluoranthene
Concen: 0.072 ng/ul
RT: 19.044 min Scan# 3551
Delta R.T. 0.003 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

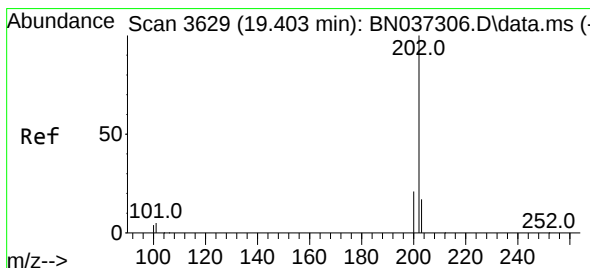
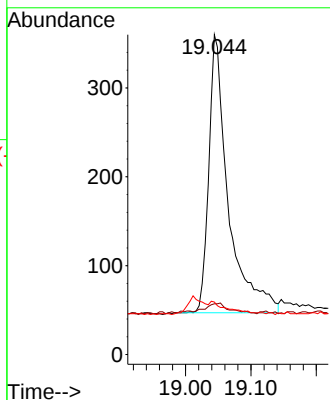
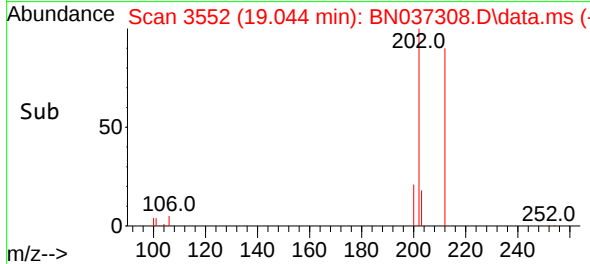
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-04



Tgt Ion:202 Resp: 645
Ion Ratio Lower Upper
202 100
101 15.8 4.3 6.5#
100 16.4 3.6 5.4#

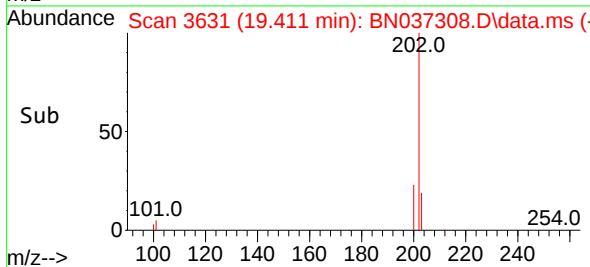
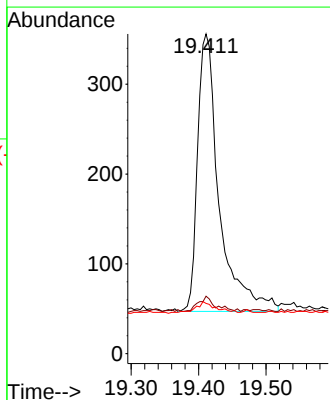
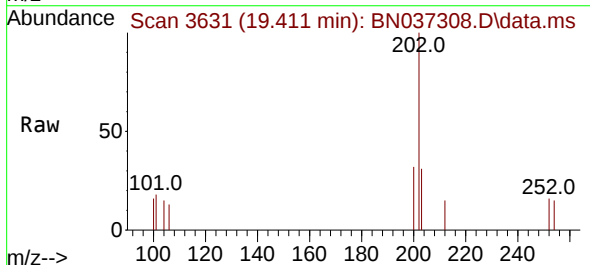
Manual Integrations
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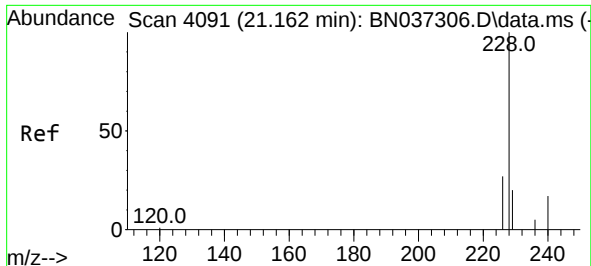
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#20
Pyrene
Concen: 0.076 ng/ul
RT: 19.411 min Scan# 3631
Delta R.T. 0.008 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

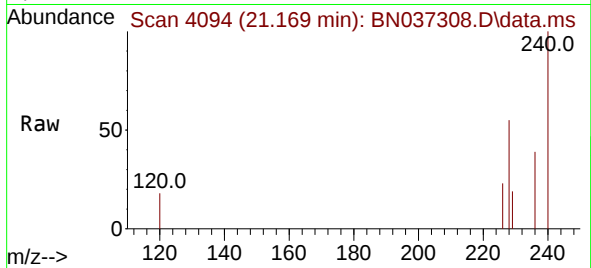
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Ion Ratio Lower Upper
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101 18.0 4.8 7.2#
100 15.7 4.2 6.2#





#21
Benzo(a)anthracene
Concen: 0.058 ng/u1
RT: 21.169 min Scan# 4091
Delta R.T. 0.010 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

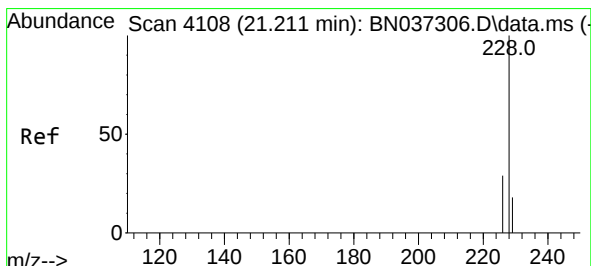
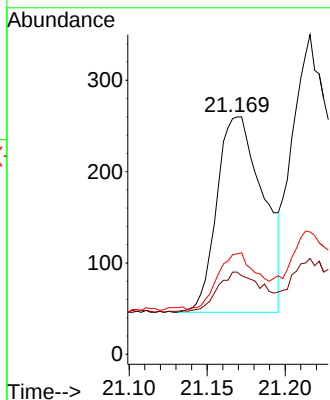
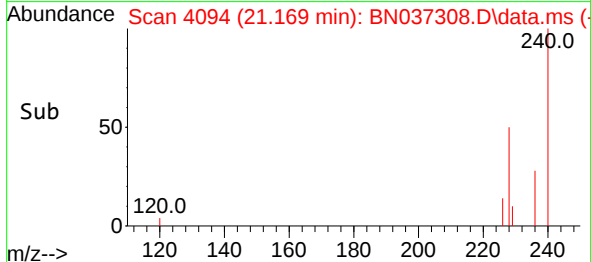
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-04



Tgt Ion:228 Resp: 441
Ion Ratio Lower Upper
228 100
229 34.6 16.1 24.1#
226 42.3 22.2 33.4#

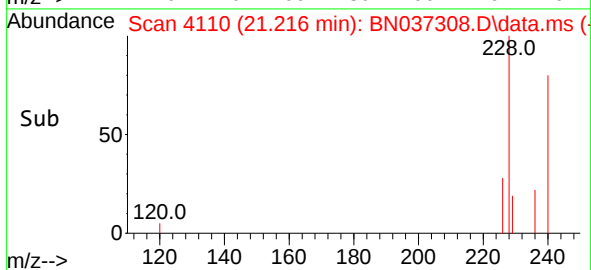
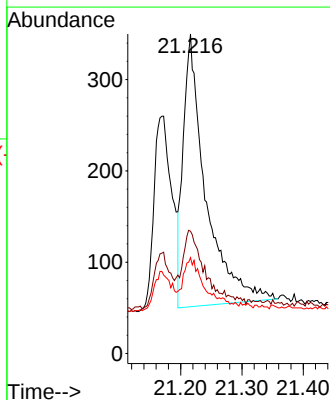
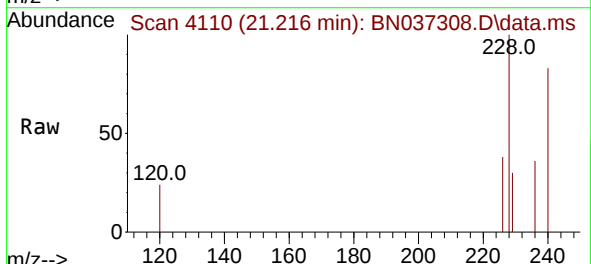
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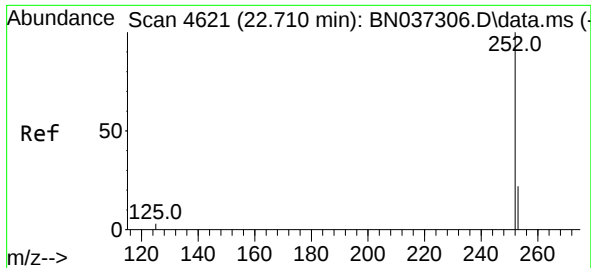
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#22
Chrysene
Concen: 0.078 ng/u1
RT: 21.216 min Scan# 4110
Delta R.T. 0.004 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

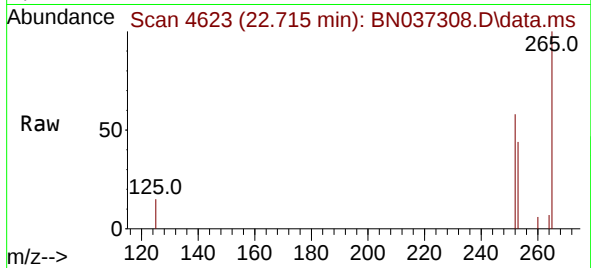
Tgt Ion:228 Resp: 758
Ion Ratio Lower Upper
228 100
226 38.3 24.6 36.8#
229 30.0 16.0 24.0#





#24
Benzo(b)fluoranthene
Concen: 0.066 ng/ul
RT: 22.715 min Scan# 4621
Delta R.T. 0.007 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

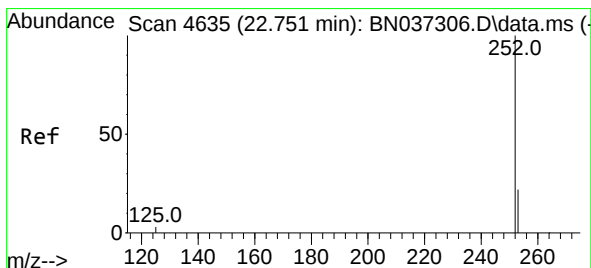
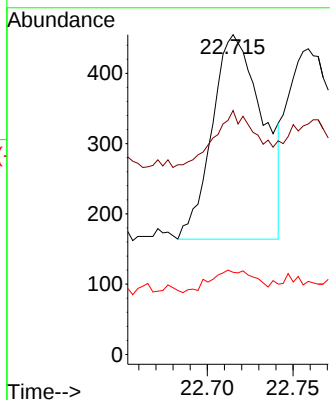
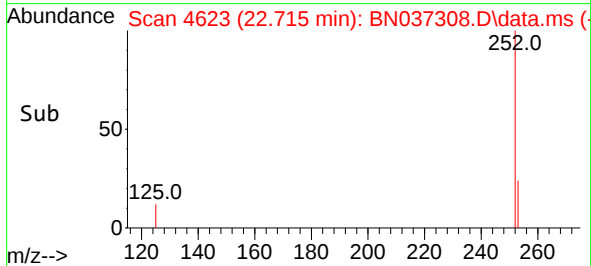
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-04



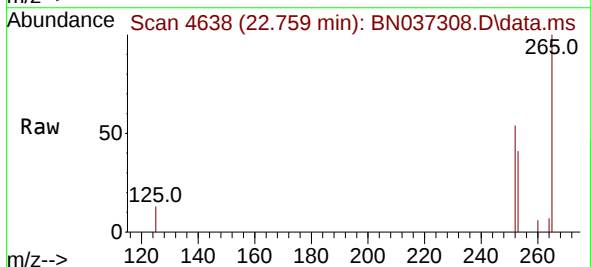
Tgt Ion:252 Resp: 597
Ion Ratio Lower Upper
252 100
253 76.3 0.0 60.2
125 25.7 0.0 16.2

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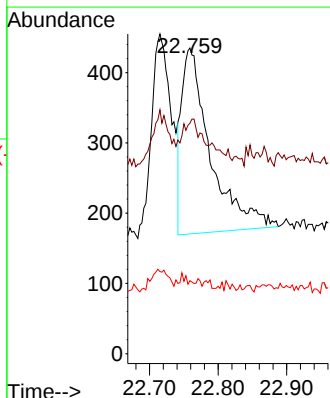
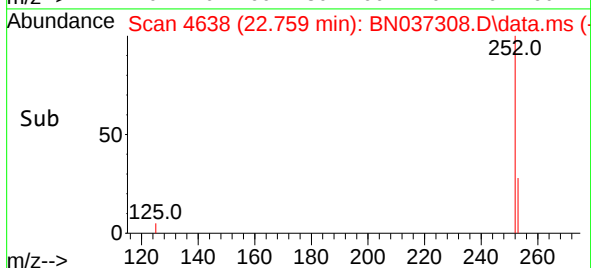
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025

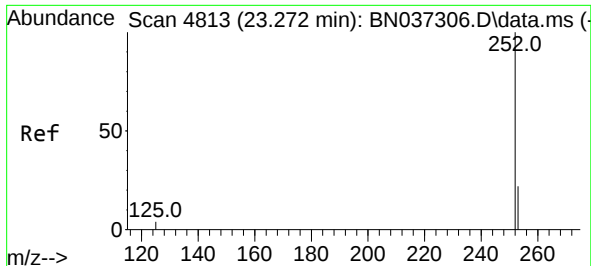


#25
Benzo(k)fluoranthene
Concen: 0.072 ng/ul
RT: 22.759 min Scan# 4638
Delta R.T. 0.007 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43



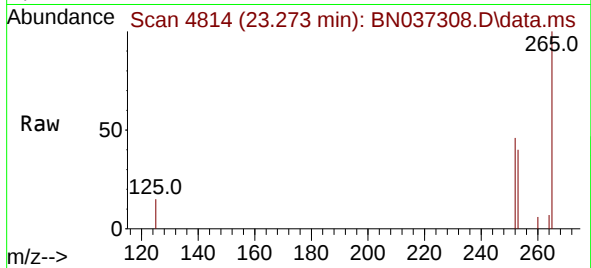
Tgt Ion:252 Resp: 770
Ion Ratio Lower Upper
252 100
253 75.4 24.0 36.0#
125 23.9 5.9 8.9#





#26
Benzo(a)pyrene
Concen: 0.063 ng/ul
RT: 23.273 min Scan# 4813
Delta R.T. 0.007 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

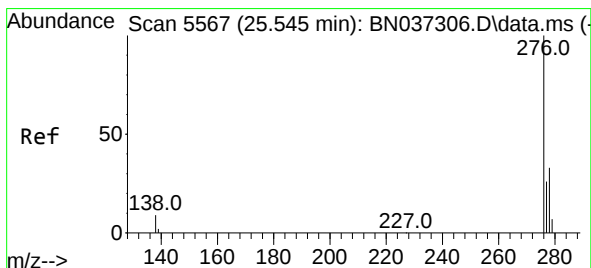
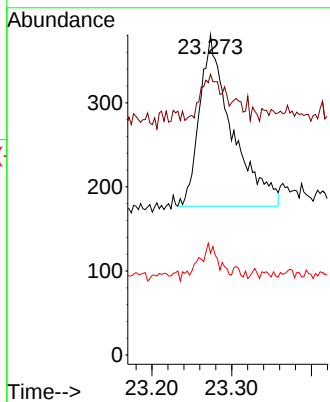
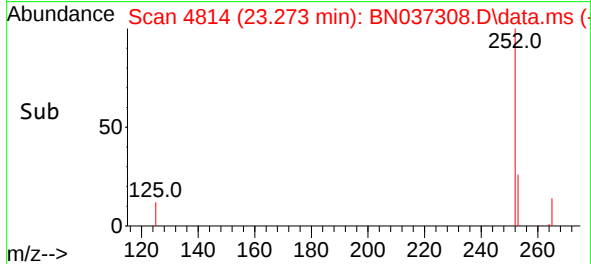
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-04



Tgt Ion:252 Resp: 572
Ion Ratio Lower Upper
252 100
253 87.7 27.4 41.2#
125 31.8 8.6 13.0#

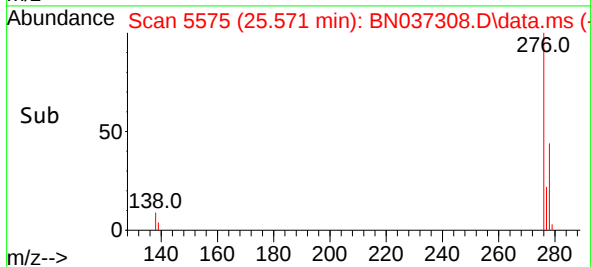
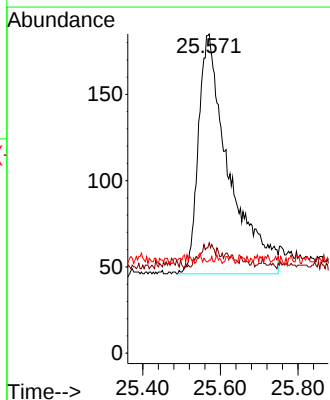
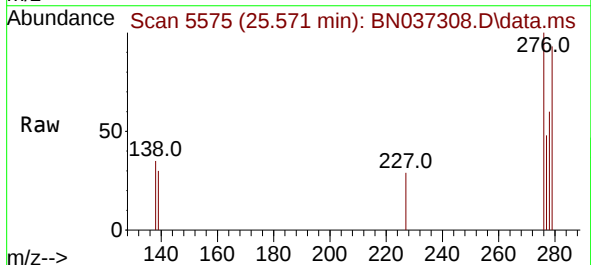
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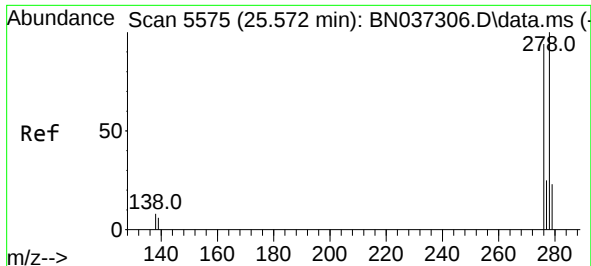
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.068 ng/ul
RT: 25.571 min Scan# 5575
Delta R.T. 0.025 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

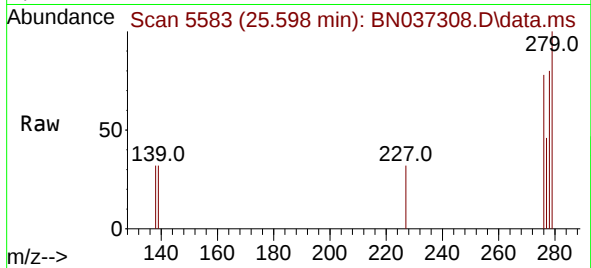
Tgt Ion:276 Resp: 758
Ion Ratio Lower Upper
276 100
138 5.4 7.5 11.3#
227 0.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.065 ng/ul
RT: 25.598 min Scan# 5575
Delta R.T. 0.032 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43

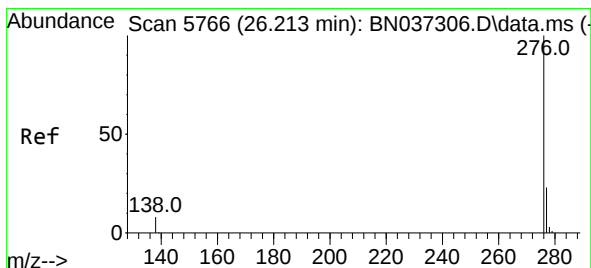
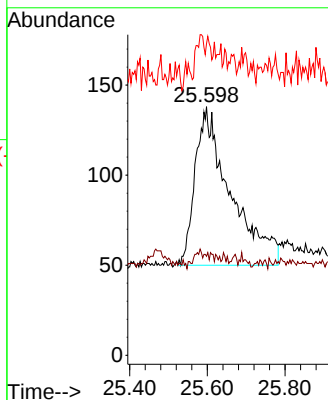
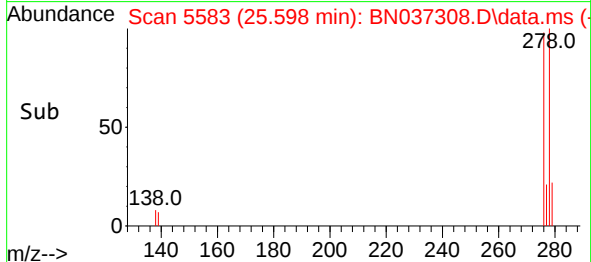
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-04



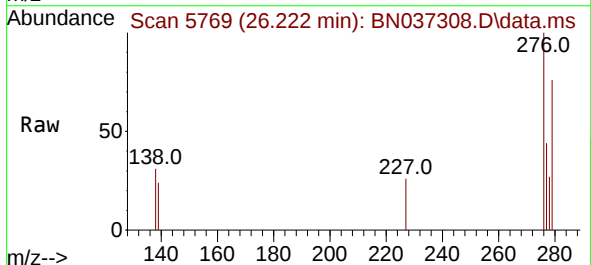
Tgt Ion:278 Resp: 554
Ion Ratio Lower Upper
278 100
139 39.9 8.6 12.8#
279 125.4 30.6 46.0#

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Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#29
Benzo(g,h,i)perylene
Concen: 0.074 ng/ul
RT: 26.222 min Scan# 5769
Delta R.T. 0.009 min
Lab File: BN037308.D
Acq: 18 Jun 2025 10:43



Tgt Ion:276 Resp: 715
Ion Ratio Lower Upper
276 100
138 31.1 9.4 14.2#
277 43.9 21.6 32.4#

