

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061725\
 Data File : BN037301.D
 Acq On : 17 Jun 2025 11:04
 Operator : RC/JU
 Sample : Q2117-01
 Misc : MDL-WATER-0.07 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT2-2025-03

Quant Time: Jun 17 15:44:09 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	7.574	152	889	0.400	ng/ul	0.00
4) Naphthalene-d8	10.354	136	1889	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.225	164	1538	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.982	188	3114	0.400	ng/ul	0.00
17) Chrysene-d12	21.179	240	2936	0.400	ng/ul #	0.00
23) Perylene-d12	23.366	264	3247	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.072	96	618	0.749	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.960	152	1564	0.496	ng/ul	0.00
18) Fluoranthene-d10	19.013	212	4797	0.512	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.110	88	74m	0.071	ng/ul	
5) Naphthalene	10.409	128	352	0.071	ng/ul#	56
7) 2-Methylnaphthalene	12.037	142	241	0.067	ng/ul	100
8) 1-Methylnaphthalene	12.252	142	256	0.070	ng/ul	99
10) Acenaphthylene	13.948	152	464	0.067	ng/ul#	72
11) Acenaphthene	14.290	153	336	0.068	ng/ul	93
12) Fluorene	15.294	166	377	0.063	ng/ul#	94
14) Pentachlorophenol	16.645	266	94	0.082	ng/ul#	84
15) Phenanthrene	17.025	178	580	0.064	ng/ul#	71
16) Anthracene	17.122	178	488	0.059	ng/ul#	62
19) Fluoranthene	19.045	202	887	0.076	ng/ul#	75
20) Pyrene	19.408	202	901	0.076	ng/ul#	79
21) Benzo(a)anthracene	21.168	228	564	0.057	ng/ul#	83
22) Chrysene	21.214	228	966	0.077	ng/ul#	85
24) Benzo(b)fluoranthene	22.716	252	695	0.062	ng/ul#	31
25) Benzo(k)fluoranthene	22.763	252	959	0.072	ng/ul#	32
26) Benzo(a)pyrene	23.272	252	713	0.063	ng/ul#	13
27) Indeno(1,2,3-cd)pyrene	25.562	276	905	0.065	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.599	278	657	0.061	ng/ul#	1
29) Benzo(g,h,i)perylene	26.220	276	831	0.069	ng/ul#	67

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

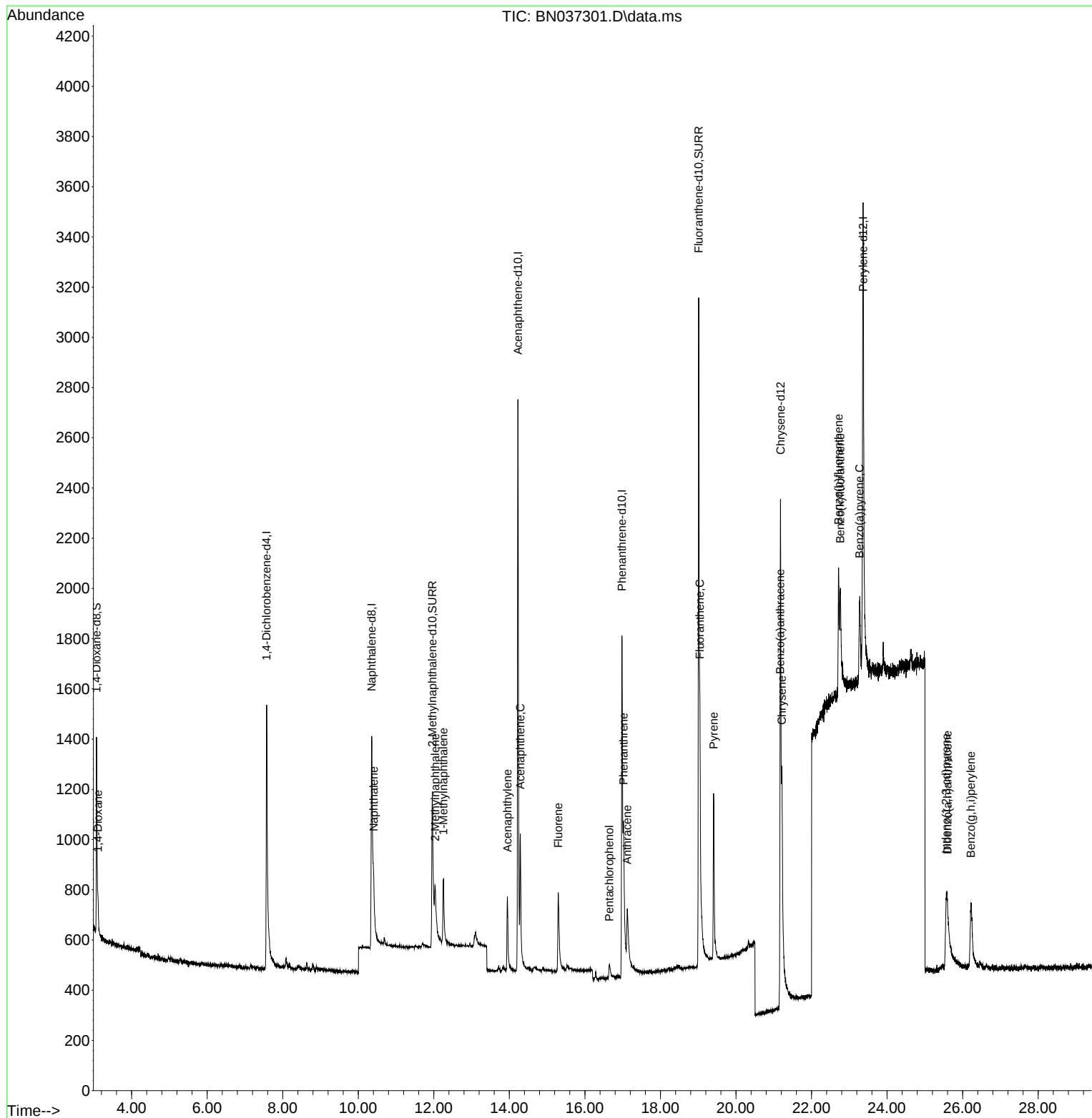
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061725\
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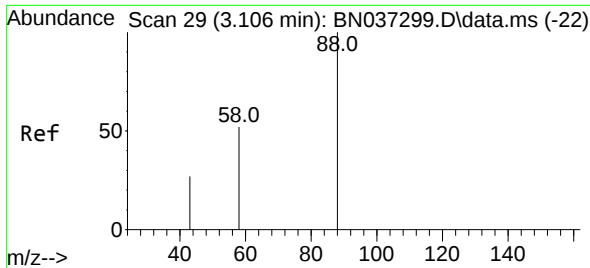
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Quant Time: Jun 17 15:44:09 2025
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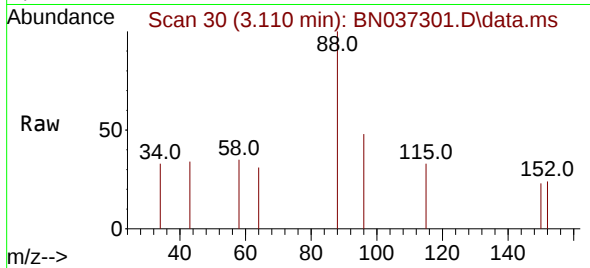
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025





#2
1,4-Dioxane
Concen: 0.071 ng/ul m
RT: 3.110 min Scan# 30
Delta R.T. 0.004 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

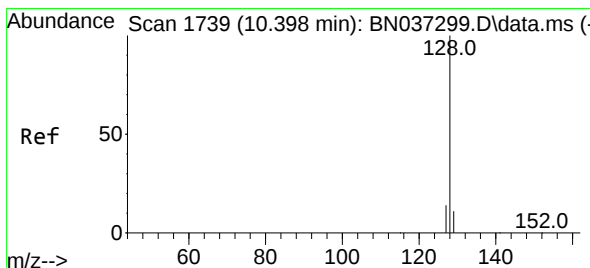
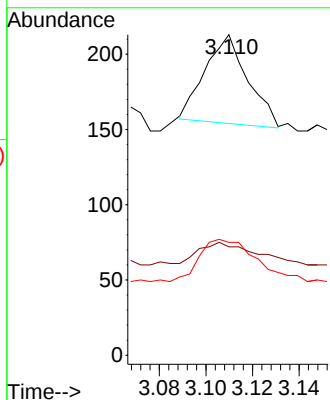
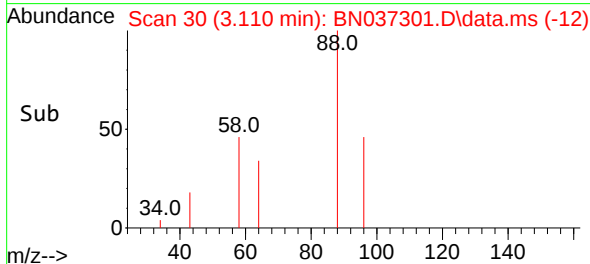
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BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-03



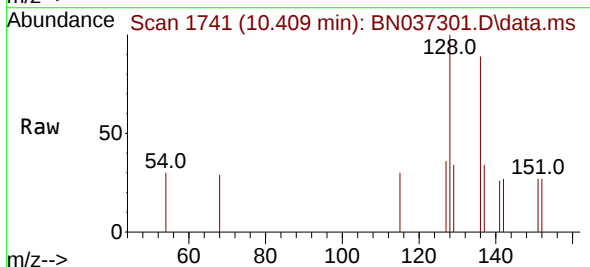
Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 33.8 27.1 40.7
58 35.2 38.7 58.1

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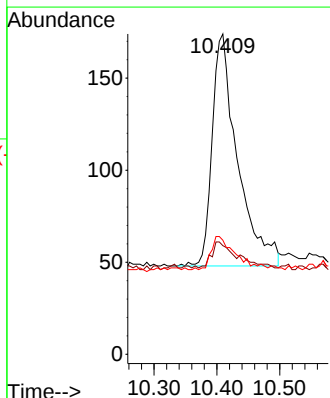
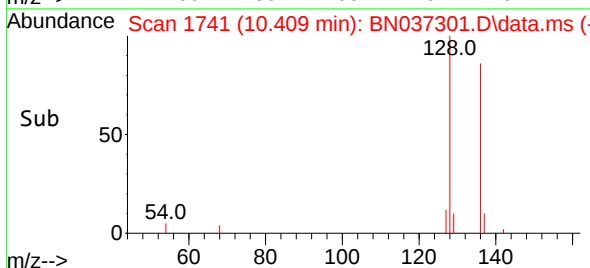
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025

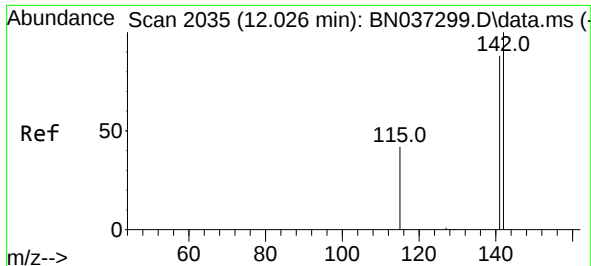


#5
Naphthalene
Concen: 0.071 ng/ul
RT: 10.409 min Scan# 1741
Delta R.T. 0.011 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04



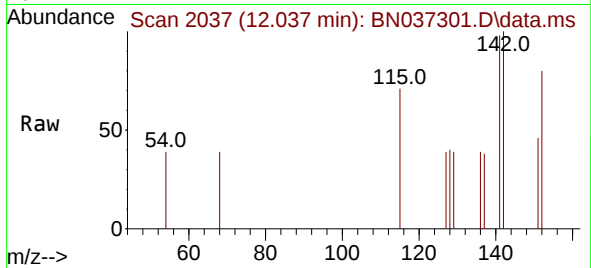
Tgt Ion:128 Resp: 352
Ion Ratio Lower Upper
128 100
129 33.9 11.4 17.2#
127 35.6 14.2 21.2#





#7
2-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.037 min Scan# 2035
Delta R.T. 0.011 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

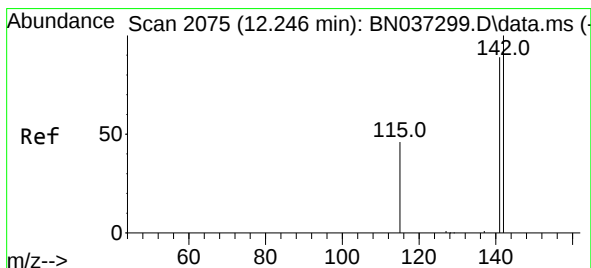
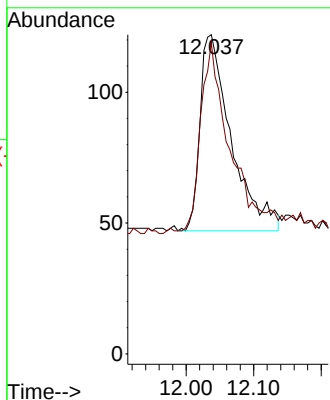
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-03



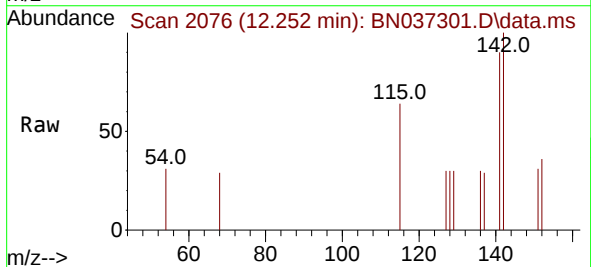
Tgt Ion:142 Resp: 241
Ion Ratio Lower Upper
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141 88.8 70.9 106.3

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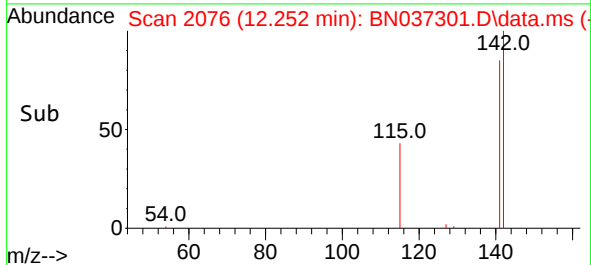
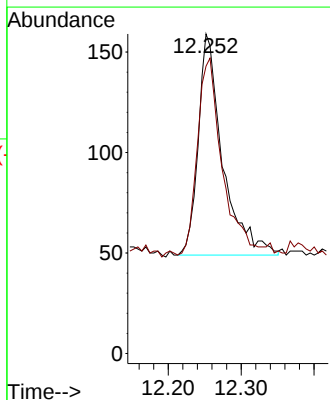
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025

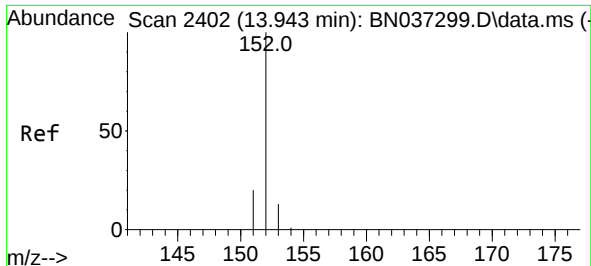


#8
1-Methylnaphthalene
Concen: 0.070 ng/ul
RT: 12.252 min Scan# 2076
Delta R.T. 0.006 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04



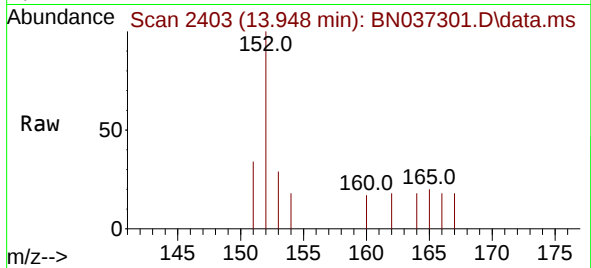
Tgt Ion:142 Resp: 256
Ion Ratio Lower Upper
142 100
141 92.2 74.6 111.8





#10
Acenaphthylene
Concen: 0.067 ng/ul
RT: 13.948 min Scan# 2402
Delta R.T. 0.005 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

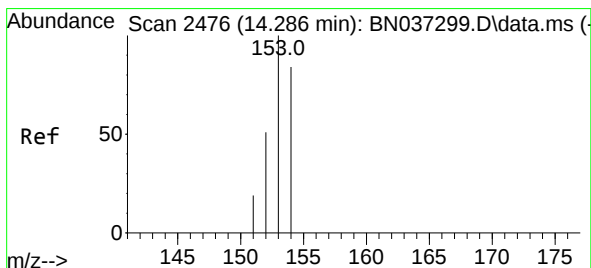
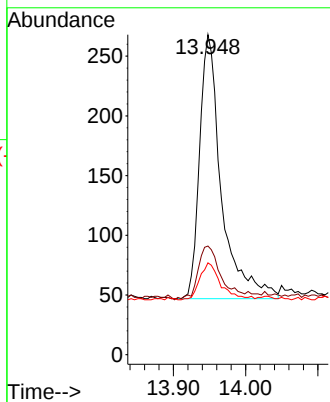
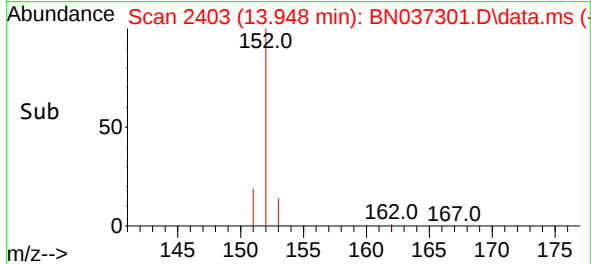
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-03



Tgt Ion:152 Resp: 464
Ion Ratio Lower Upper
152 100
151 34.0 17.8 26.8
153 28.7 12.2 18.2

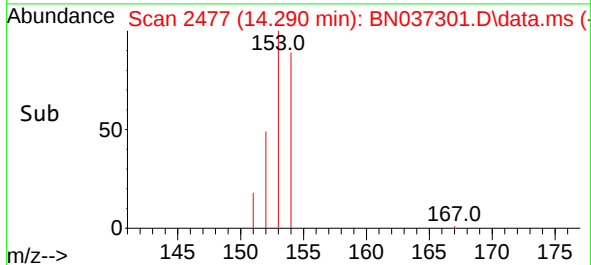
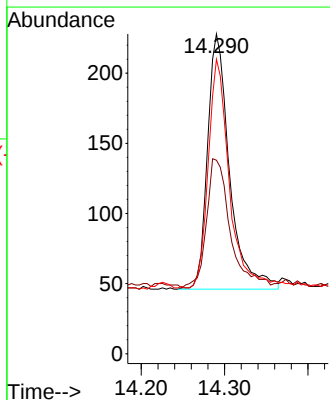
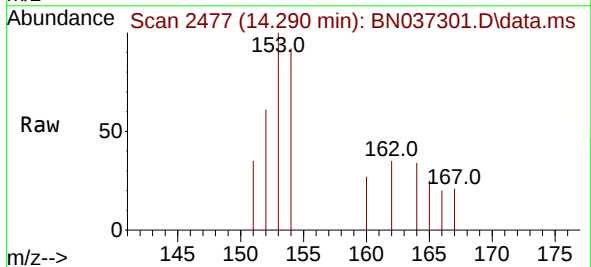
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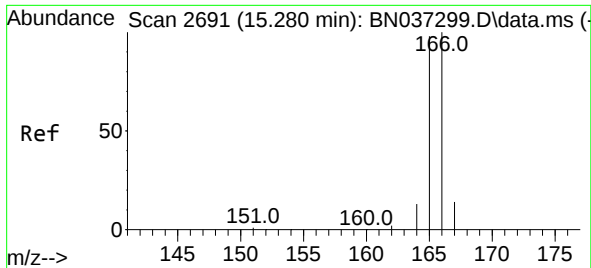
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#11
Acenaphthene
Concen: 0.068 ng/ul
RT: 14.290 min Scan# 2477
Delta R.T. 0.000 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

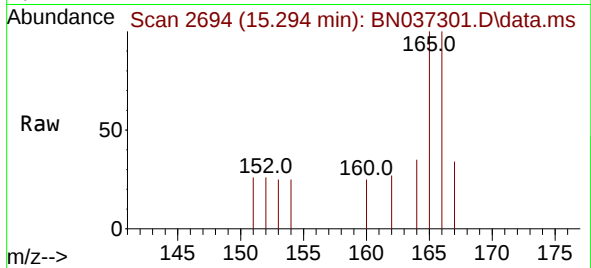
Tgt Ion:153 Resp: 336
Ion Ratio Lower Upper
153 100
152 60.5 41.1 61.7
154 92.1 70.9 106.3





#12
Fluorene
Concen: 0.063 ng/ul
RT: 15.294 min Scan# 2694
Delta R.T. 0.009 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

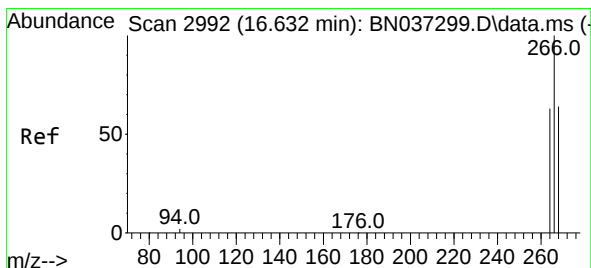
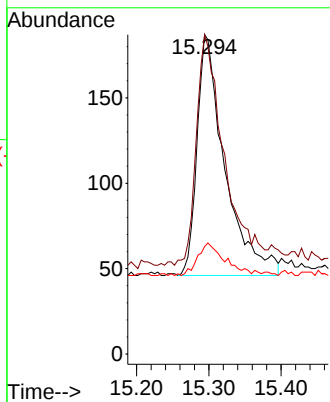
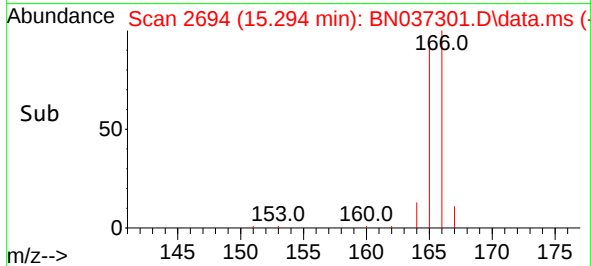
Instrument :
BNA_N
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MDL-WATER-QT2-2025-03



Tgt Ion:166 Resp: 37
Ion Ratio Lower Upper
166 100
165 100.0 79.8 119.6
167 33.7 13.0 19.6

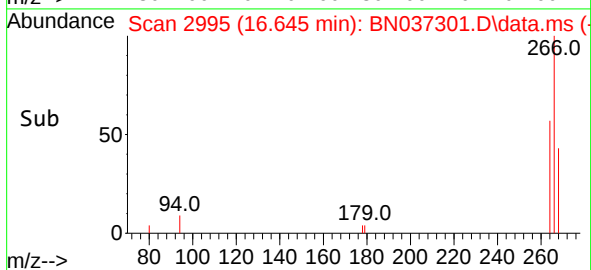
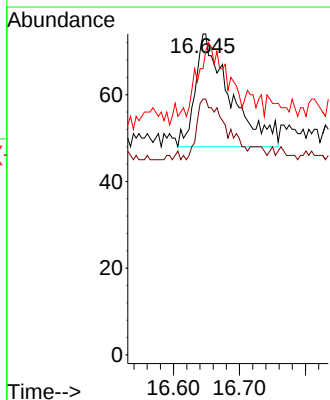
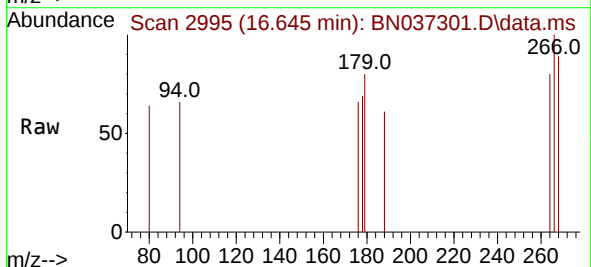
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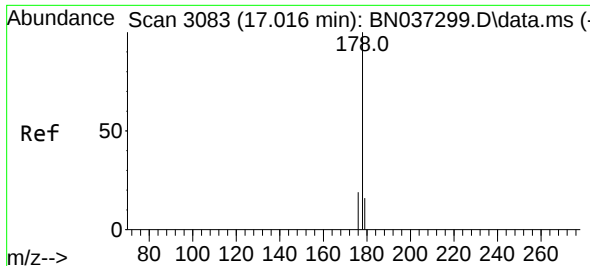
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#14
Pentachlorophenol
Concen: 0.082 ng/ul
RT: 16.645 min Scan# 2995
Delta R.T. 0.009 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

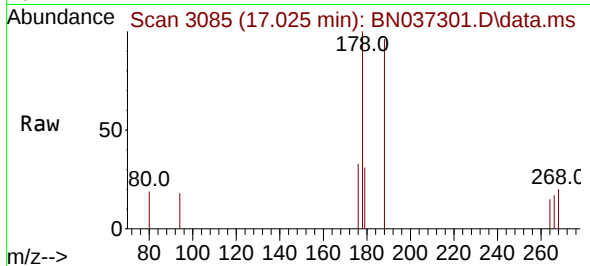
Tgt Ion:266 Resp: 94
Ion Ratio Lower Upper
266 100
264 45.7 50.5 75.7#
268 57.4 51.9 77.9





#15
Phenanthrene
Concen: 0.064 ng/u1
RT: 17.025 min Scan# 3085
Delta R.T. 0.009 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

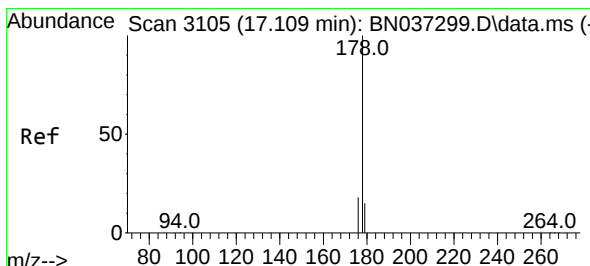
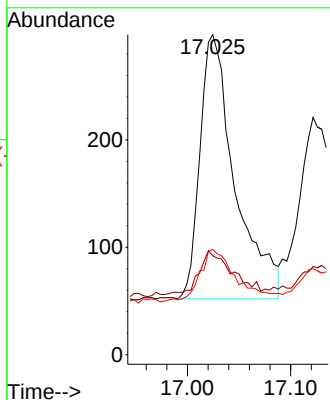
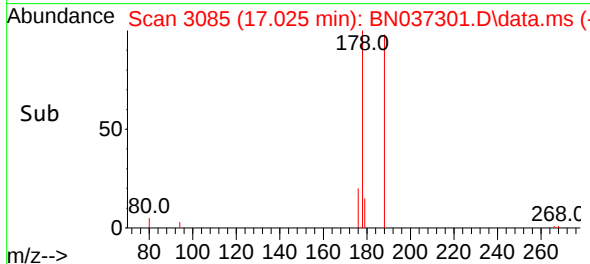
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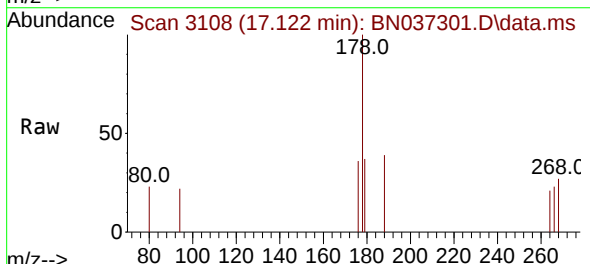
Tgt Ion:178 Resp: 580
Ion Ratio Lower Upper
178 100
179 30.9 13.7 20.5#
176 32.9 16.6 24.8#

Manual Integrations
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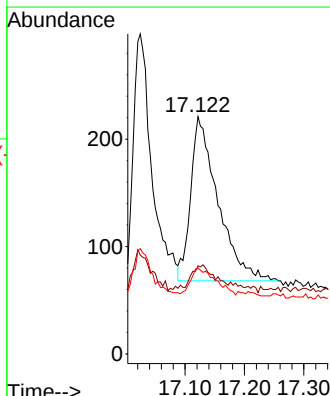
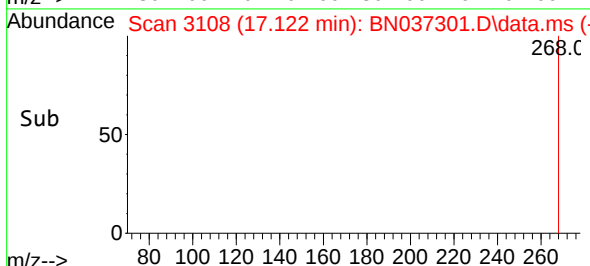
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Supervised By :Jagrut Upadhyay 06/18/2025

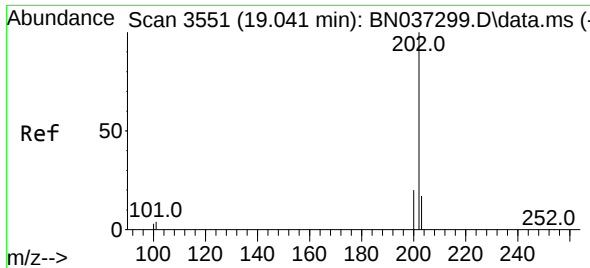


#16
Anthracene
Concen: 0.059 ng/u1
RT: 17.122 min Scan# 3108
Delta R.T. 0.009 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04



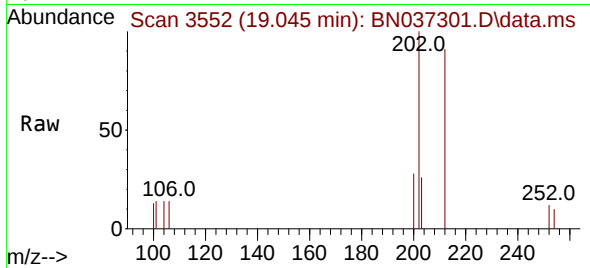
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Ion Ratio Lower Upper
178 100
179 37.1 13.8 20.8#
176 36.2 16.8 25.2#





#19
Fluoranthene
Concen: 0.076 ng/ul
RT: 19.045 min Scan# 3551
Delta R.T. 0.005 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

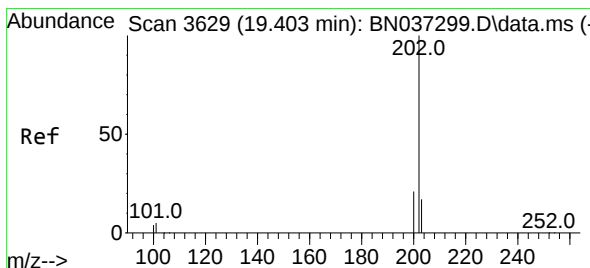
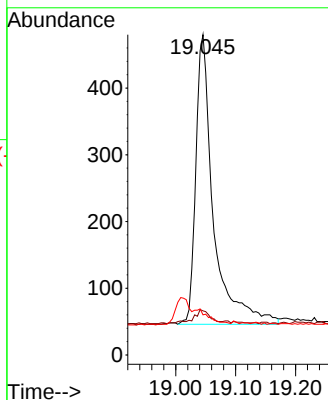
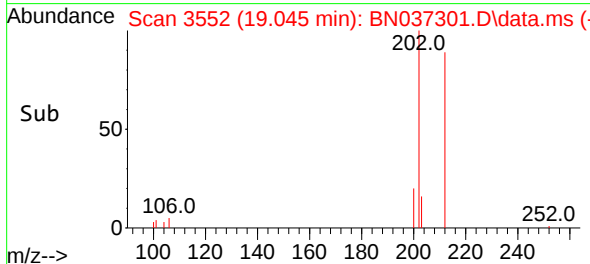
Instrument :
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Tgt Ion:202 Resp: 88
Ion Ratio Lower Upper
202 100
101 13.8 4.3 6.5
100 12.5 3.6 5.4

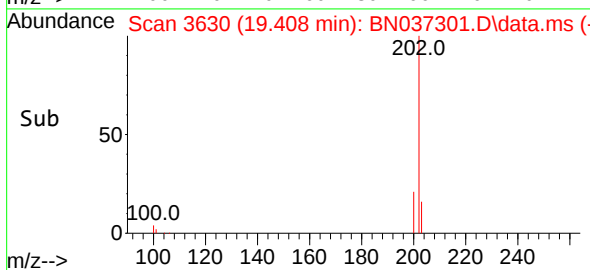
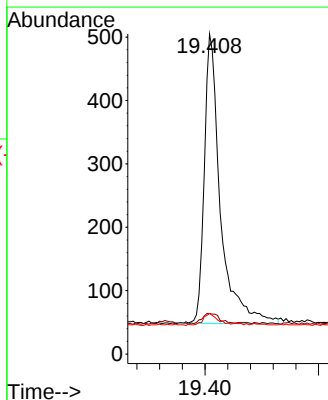
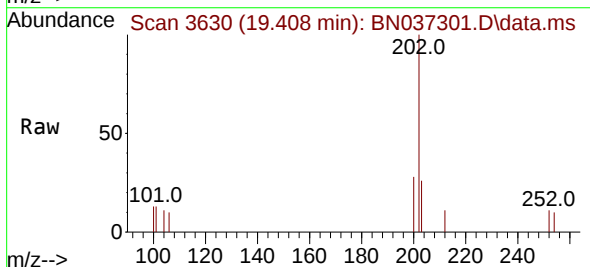
Manual Integrations
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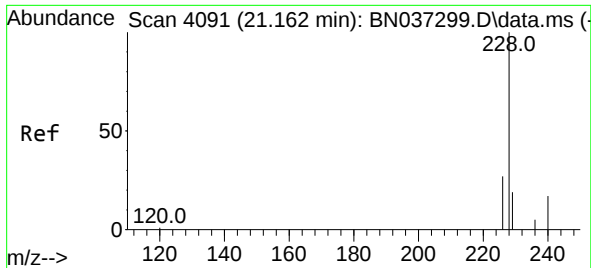
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#20
Pyrene
Concen: 0.076 ng/ul
RT: 19.408 min Scan# 3630
Delta R.T. 0.005 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

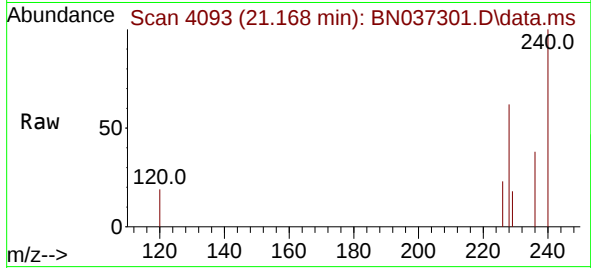
Tgt Ion:202 Resp: 901
Ion Ratio Lower Upper
202 100
101 12.7 4.8 7.2#
100 12.7 4.2 6.2#





#21
Benzo(a)anthracene
Concen: 0.057 ng/ul
RT: 21.168 min Scan# 4091
Delta R.T. 0.009 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

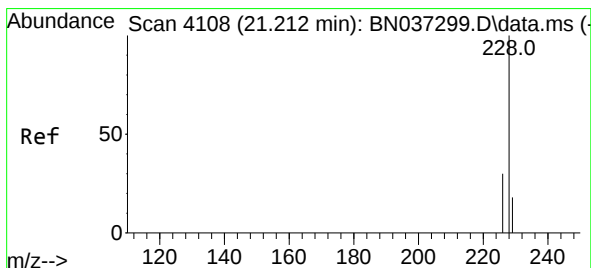
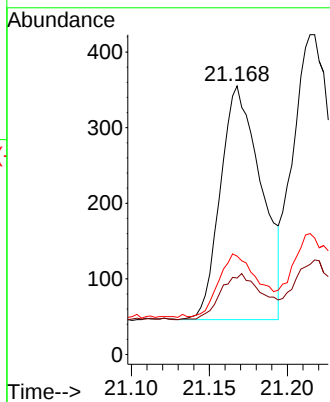
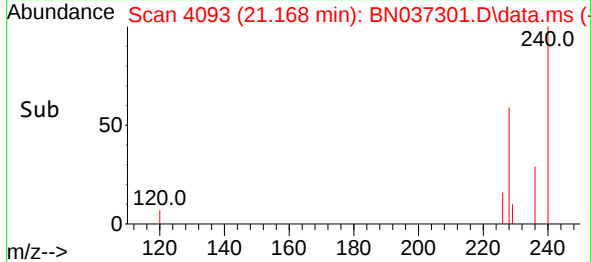
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-03



Tgt Ion:228 Resp: 564
Ion Ratio Lower Upper
228 100
229 28.5 16.1 24.1#
226 36.6 22.2 33.4#

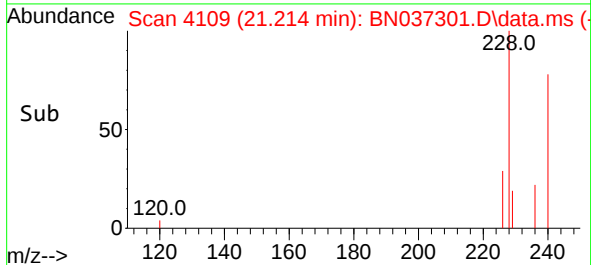
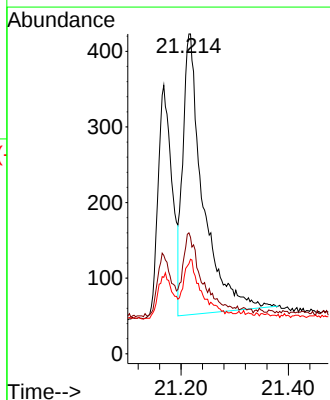
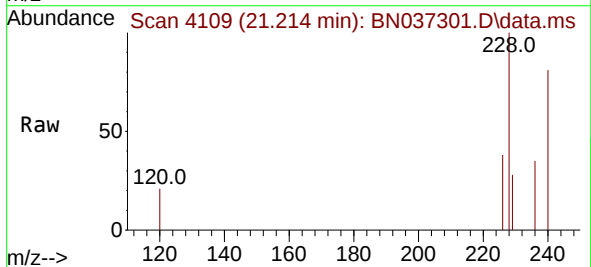
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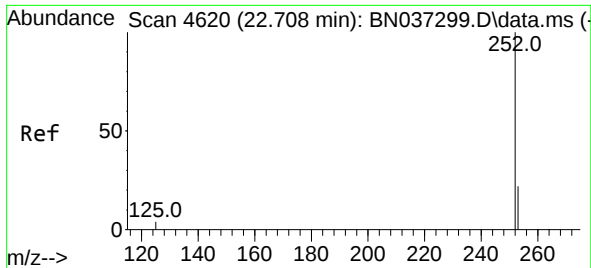
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025



#22
Chrysene
Concen: 0.077 ng/ul
RT: 21.214 min Scan# 4109
Delta R.T. 0.003 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

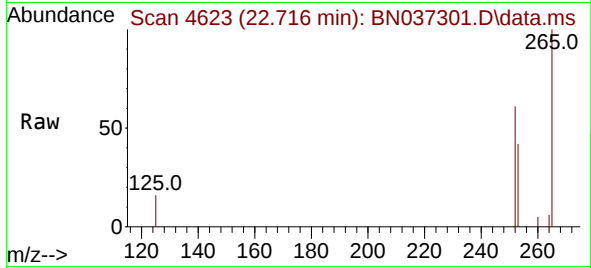
Tgt Ion:228 Resp: 966
Ion Ratio Lower Upper
228 100
226 37.8 24.6 36.8#
229 28.1 16.0 24.0#





#24
Benzo(b)fluoranthene
Concen: 0.062 ng/ul
RT: 22.716 min Scan# 4623
Delta R.T. 0.009 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

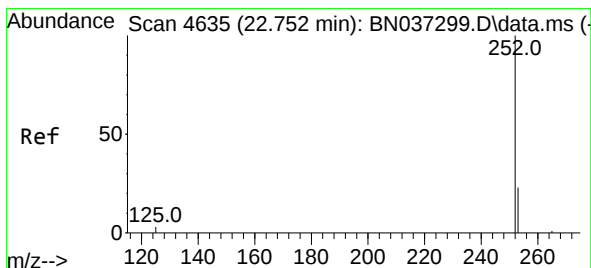
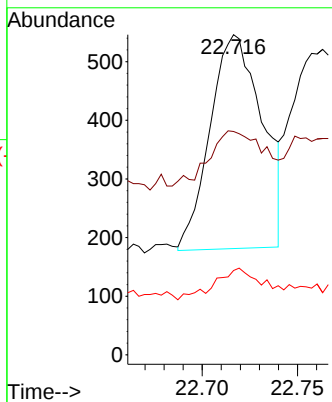
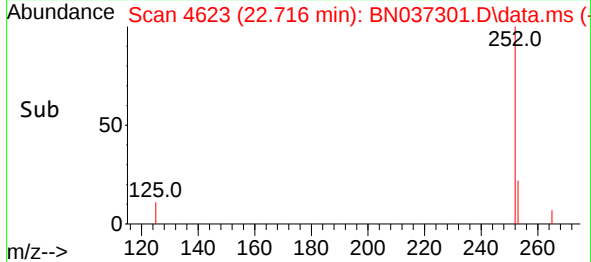
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-03



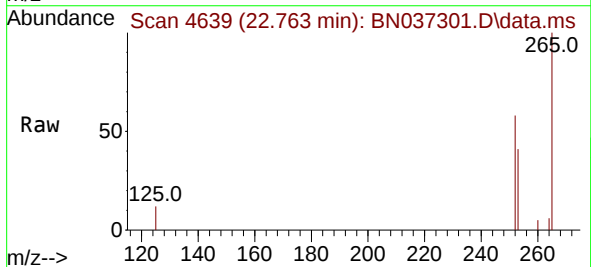
Tgt Ion:252 Resp: 69
Ion Ratio Lower Upper
252 100
253 69.8 0.0 60.2
125 26.4 0.0 16.2

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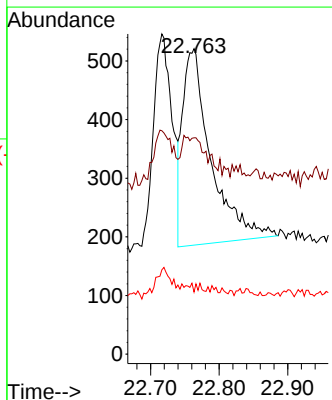
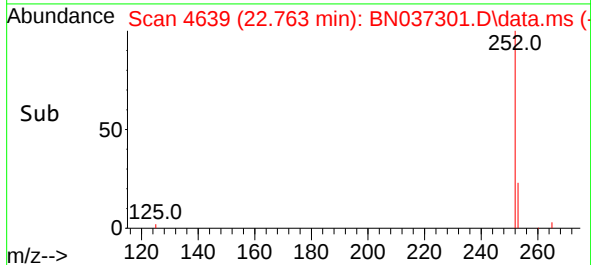
Reviewed By :Rahul Chavli 06/18/2025
Supervised By :Jagrut Upadhyay 06/18/2025

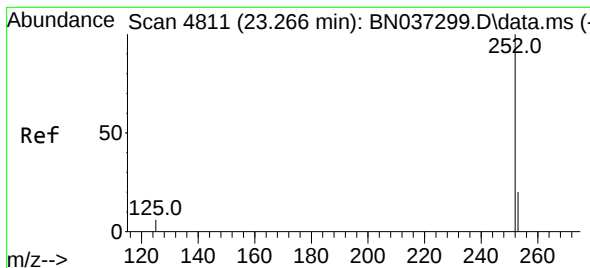


#25
Benzo(k)fluoranthene
Concen: 0.072 ng/ul
RT: 22.763 min Scan# 4639
Delta R.T. 0.012 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04



Tgt Ion:252 Resp: 959
Ion Ratio Lower Upper
252 100
253 70.8 24.0 36.0#
125 20.3 5.9 8.9#





#26

Benzo(a)pyrene

Concen: 0.063 ng/ul

RT: 23.272 min Scan# 4813

Delta R.T. 0.006 min

Lab File: BN037301.D

Acq: 17 Jun 2025 11:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT2-2025-03

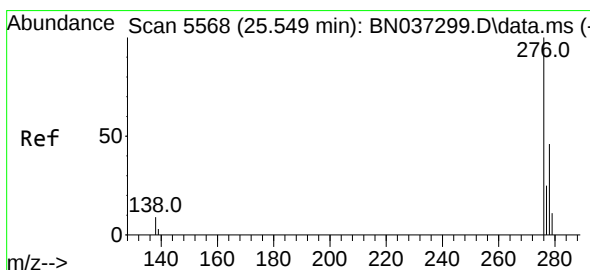
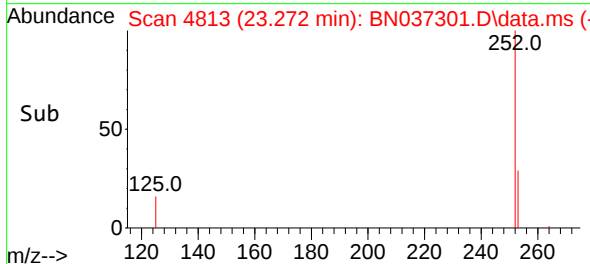
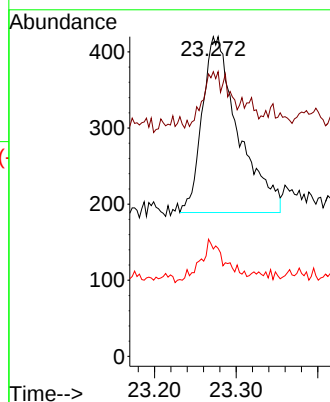
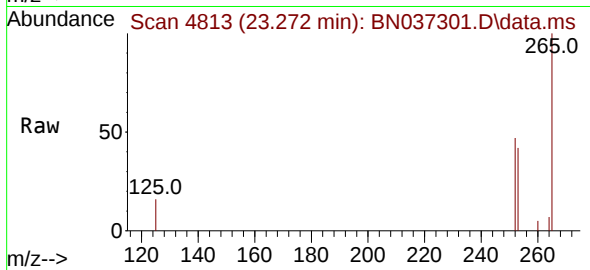
Tgt Ion:	252	Resp:	71
Ion Ratio	Lower	Upper	
252	100		
253	89.0	27.4	41.2
125	33.6	8.6	13.0

Manual Integrations

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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: 0.065 ng/ul

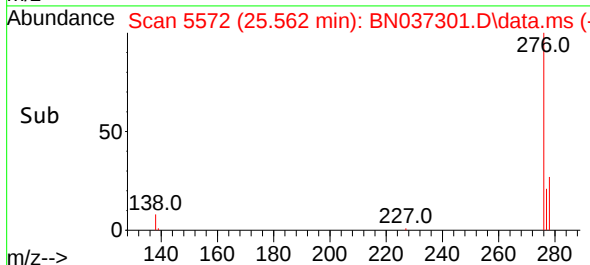
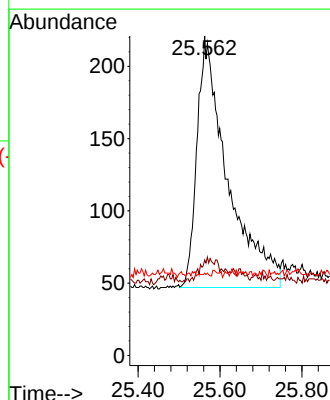
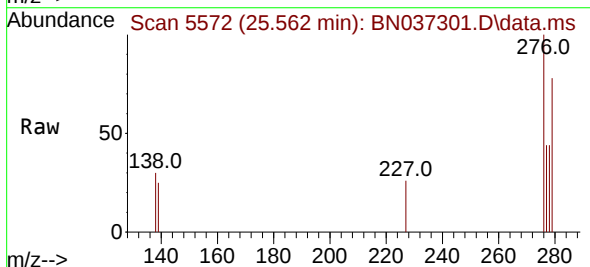
RT: 25.562 min Scan# 5572

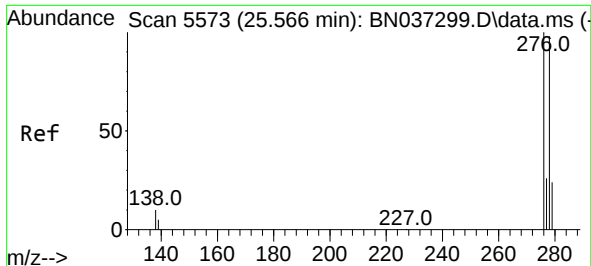
Delta R.T. 0.017 min

Lab File: BN037301.D

Acq: 17 Jun 2025 11:04

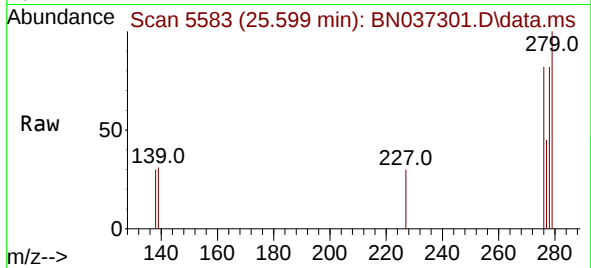
Tgt Ion:	276	Resp:	905
Ion Ratio	Lower	Upper	
276	100		
138	7.0	7.5	11.3#
227	0.0	0.1	0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 25.599 min Scan# 5573
Delta R.T. 0.034 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04

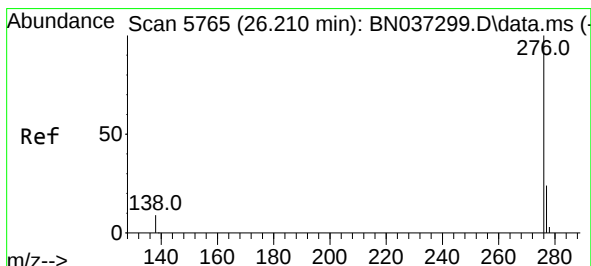
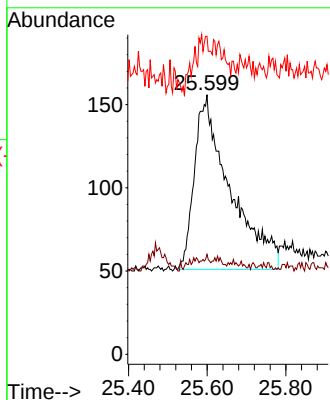
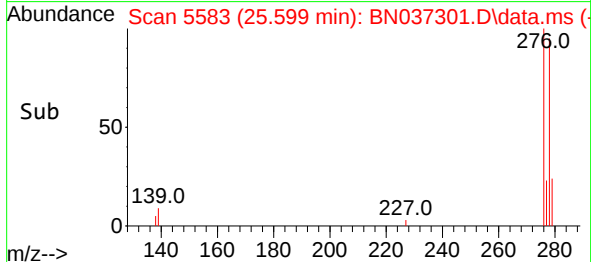
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2025-03



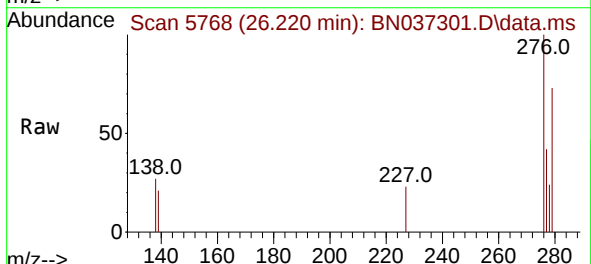
Tgt Ion:278 Resp: 65
Ion Ratio Lower Upper
278 100
139 38.5 8.6 12.8
279 122.4 30.6 46.0

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.069 ng/ul
RT: 26.220 min Scan# 5768
Delta R.T. 0.007 min
Lab File: BN037301.D
Acq: 17 Jun 2025 11:04



Tgt Ion:276 Resp: 831
Ion Ratio Lower Upper
276 100
138 27.4 9.4 14.2#
277 42.3 21.6 32.4#

