

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038161.D
 Acq On : 07 Nov 2025 19:10
 Operator : RC/JU
 Sample : Q3552-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-4

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025

Quant Time: Nov 08 03:05:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9584	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31274	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	19621	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	29623	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	19333	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	19622	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	6171	0.273	ng	0.00
5) Phenol-d6	6.937	99	4629	0.168	ng	0.00
8) Nitrobenzene-d5	8.928	82	9871	0.391	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	15980	0.358	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2999	0.371	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	23813	0.303	ng	0.00
27) Fluoranthene-d10	19.220	212	20328	0.272	ng	0.00
31) Terphenyl-d14	19.819	244	19095	0.455	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.246	88	686645	69.340	ng	99
9) Naphthalene	10.626	128	164673	1.912	ng	99
12) 2-Methylnaphthalene	12.248	142	204766	3.565	ng	99
17) Acenaphthene	14.494	154	59416	0.956	ng	97
18) Fluorene	15.489	166	41980	0.515	ng	# 92
25) Phenanthrene	17.223	178	65665	0.698	ng	# 96
26) Anthracene	17.322	178	9502m	0.115	ng	
28) Fluoranthene	19.252	202	5689	0.054	ng	# 68
30) Pyrene	19.615	202	4584	0.053	ng	# 63
34) Bis(2-ethylhexyl)phtha...	21.304	149	14269	0.393	ng	96

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

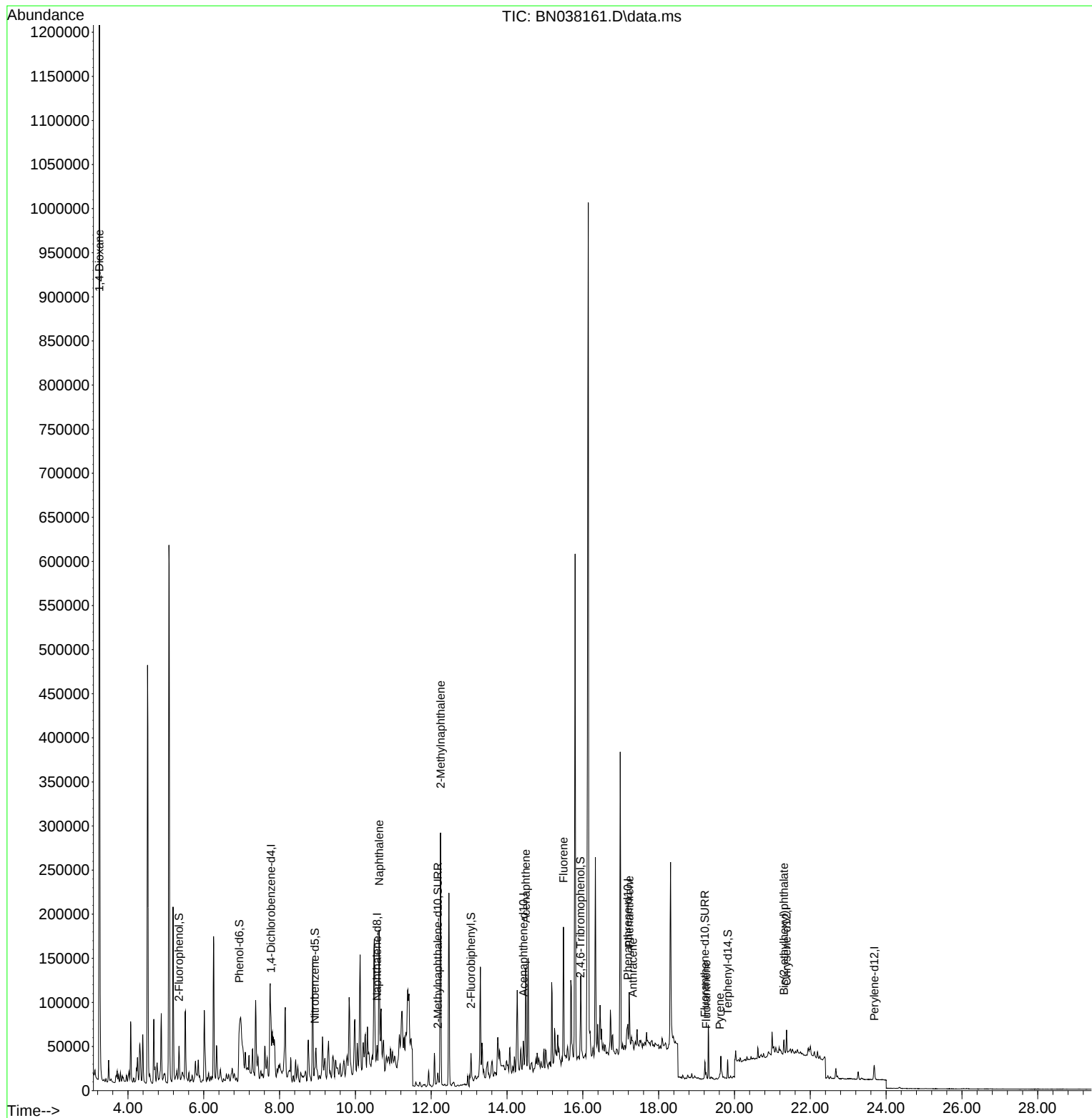
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038161.D
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Sample : Q3552-01
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ALS Vial : 16 Sample Multiplier: 1

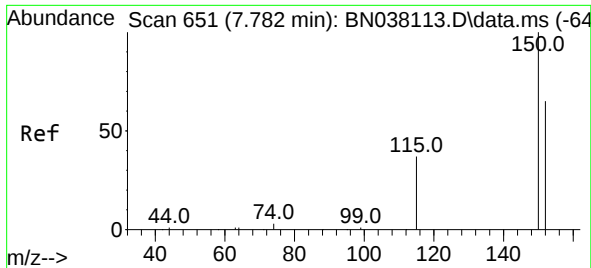
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.775 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN038161.D
 Acq: 07 Nov 2025 19:10

Instrument :

BNA_N

ClientSampleId :

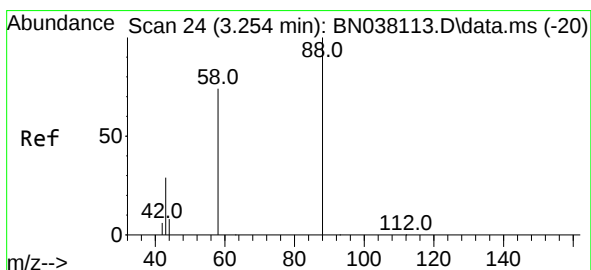
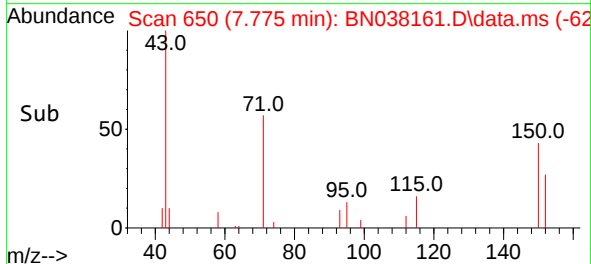
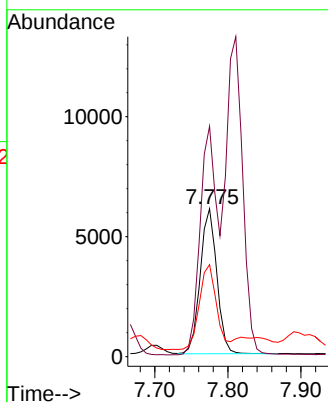
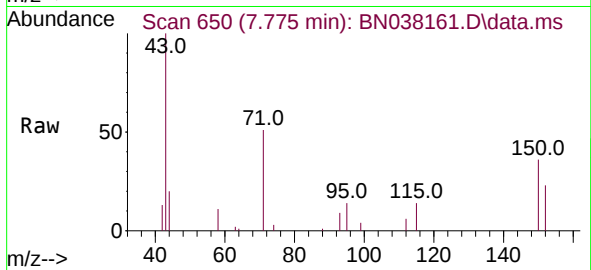
MW-4

Tgt Ion:152 Resp: 9584
 Ion Ratio Lower Upper
 152 100
 150 155.6 122.3 183.5
 115 62.1 47.4 71.0

Manual Integrations

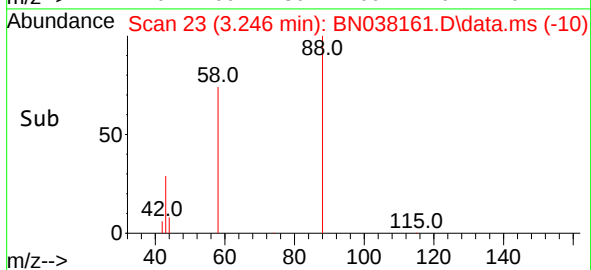
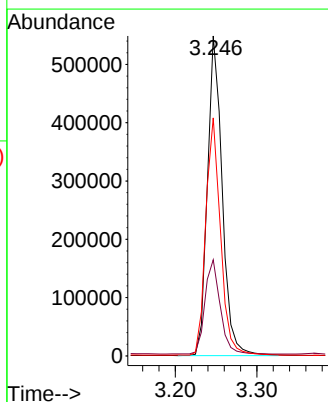
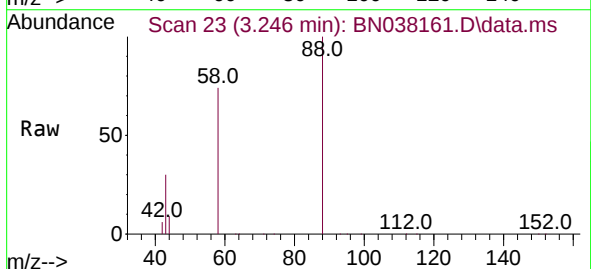
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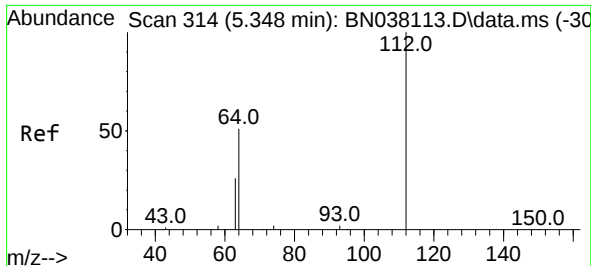
Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025



#2
 1,4-Dioxane
 Concen: 69.340 ng
 RT: 3.246 min Scan# 23
 Delta R.T. -0.007 min
 Lab File: BN038161.D
 Acq: 07 Nov 2025 19:10

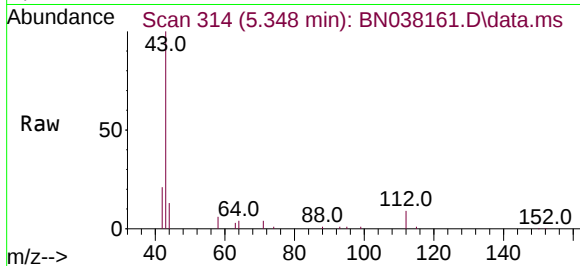
Tgt Ion: 88 Resp: 686645
 Ion Ratio Lower Upper
 88 100
 43 30.4 24.3 36.5
 58 74.1 60.4 90.6





#4
2-Fluorophenol
Concen: 0.273 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

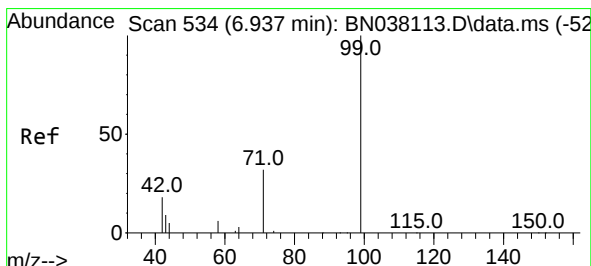
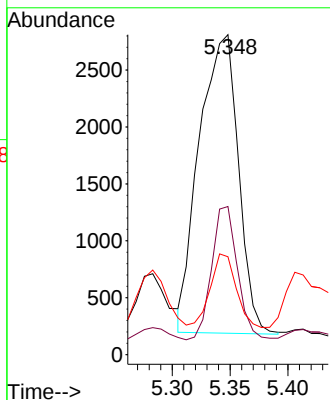
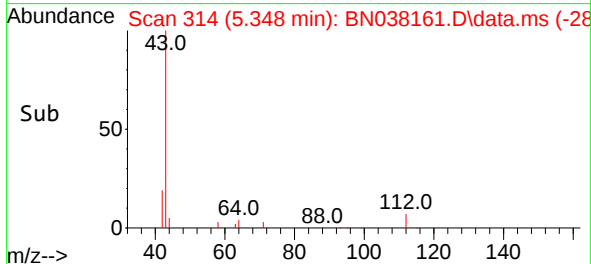
Instrument :
BNA_N
ClientSampleId :
MW-4



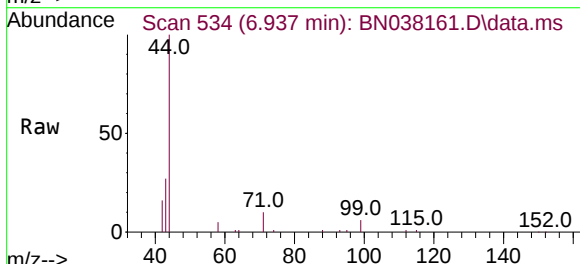
Tgt Ion: 112 Resp: 617
Ion Ratio Lower Upper
112 100
64 30.8 45.4 68.0
63 18.2 23.2 34.8

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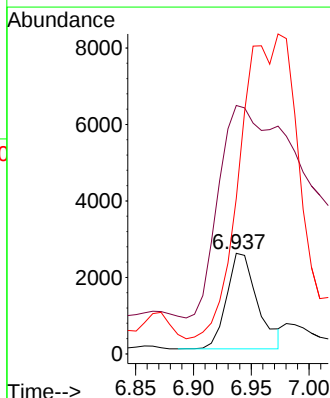
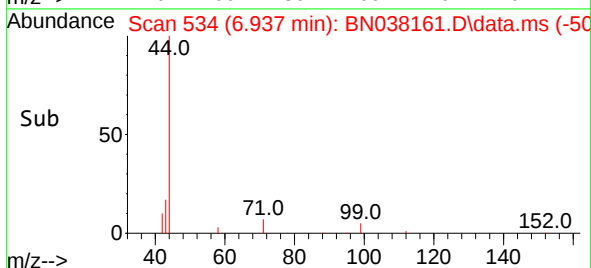
Reviewed By :Rahul Chavli 11/10/2025
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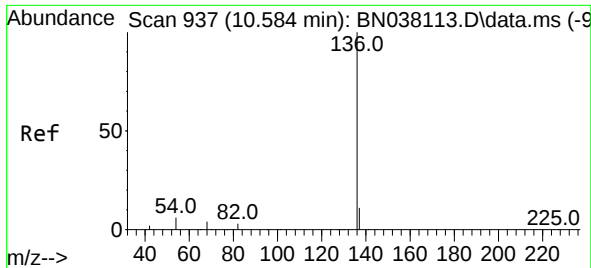


#5
Phenol-d6
Concen: 0.168 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10



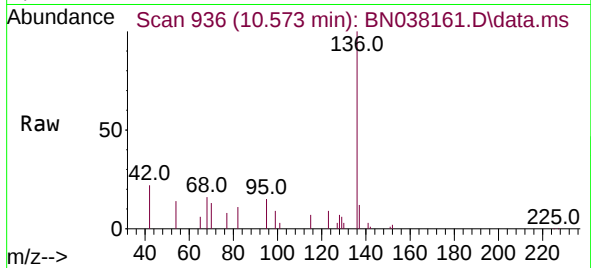
Tgt Ion: 99 Resp: 4629
Ion Ratio Lower Upper
99 100
42 748.7 16.6 24.8#
71 0.0 25.4 38.2#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

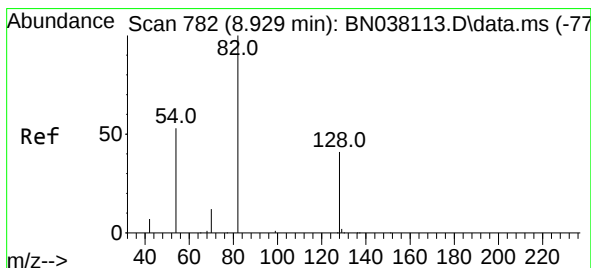
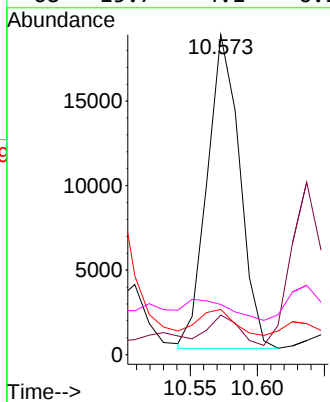
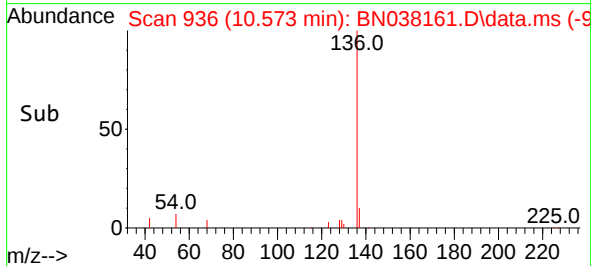
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:136 Resp: 31274
Ion Ratio Lower Upper
136 100
137 12.4 9.0 13.4
54 14.1 5.2 7.8
68 15.7 4.1 6.1

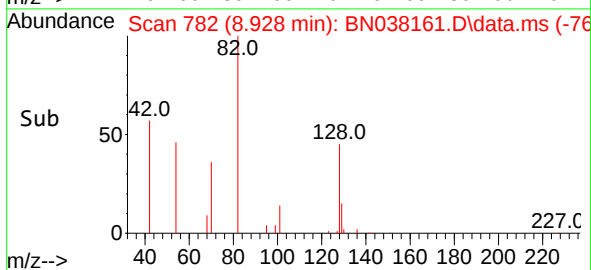
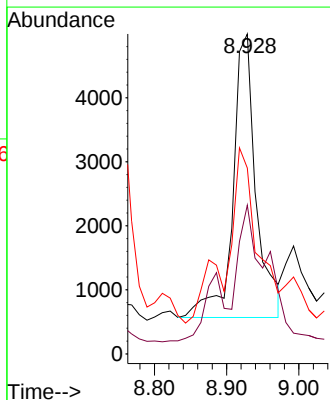
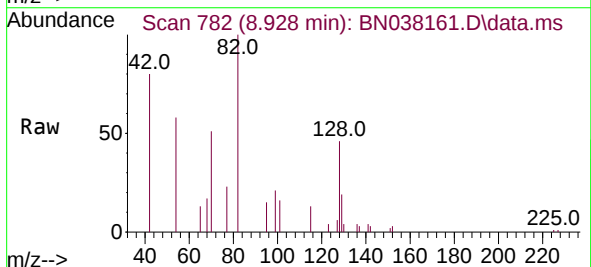
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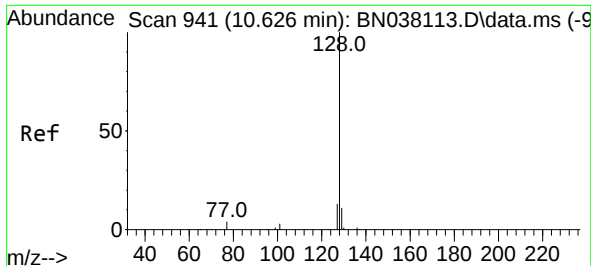
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Supervised By :Jagrut Upadhyay 11/10/2025



#8
Nitrobenzene-d5
Concen: 0.391 ng
RT: 8.928 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

Tgt Ion: 82 Resp: 9871
Ion Ratio Lower Upper
82 100
128 46.5 34.1 51.1
54 58.1 43.5 65.3





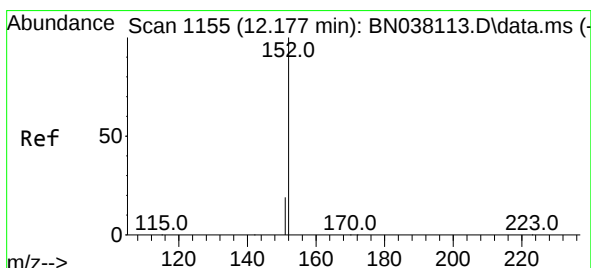
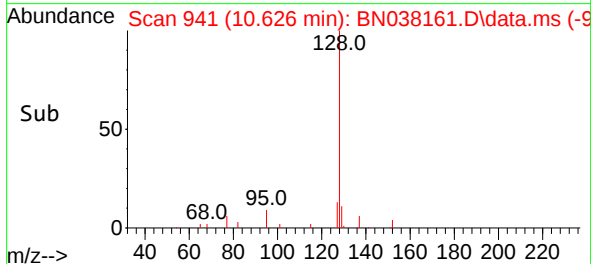
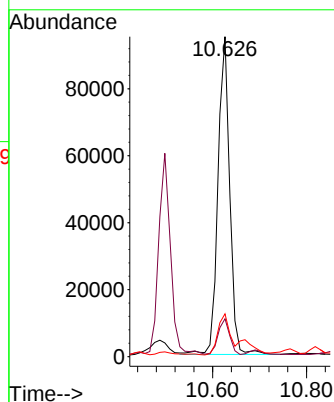
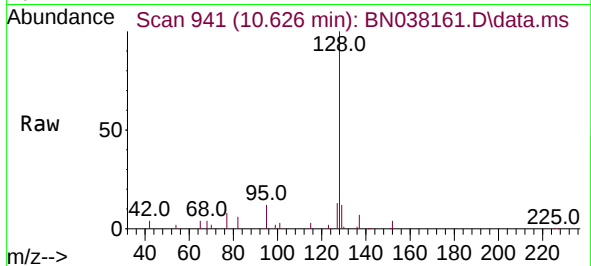
#9
Naphthalene
Concen: 1.912 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

Instrument :
BNA_N
ClientSampleId :
MW-4

Tgt Ion:128 Resp: 164673
Ion Ratio Lower Upper
128 100
129 11.8 9.1 13.7
127 13.4 10.5 15.7

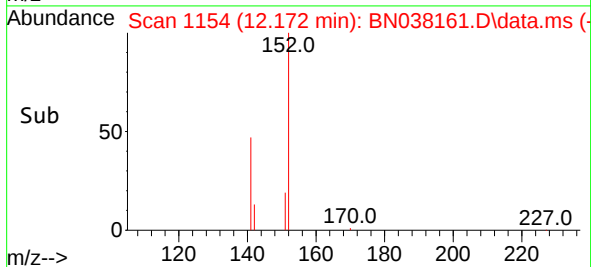
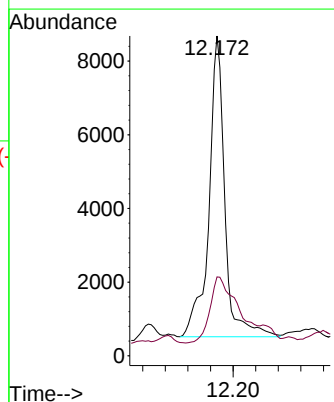
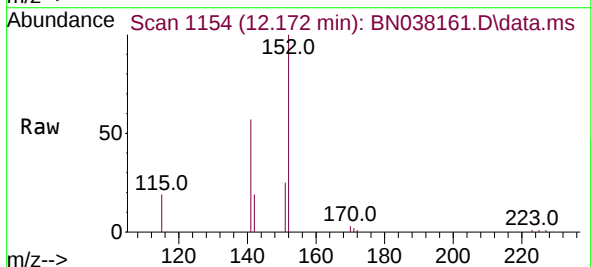
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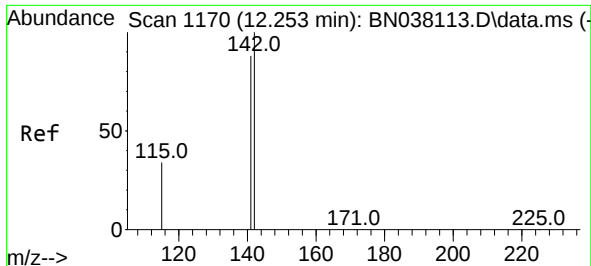
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#11
2-Methylnaphthalene-d10
Concen: 0.358 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

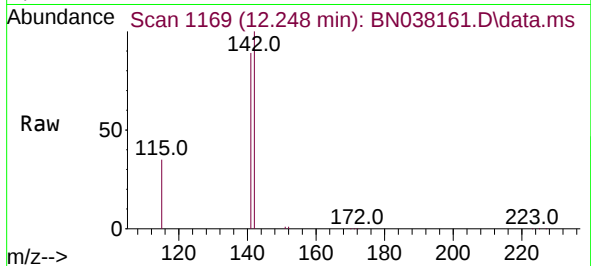
Tgt Ion:152 Resp: 15980
Ion Ratio Lower Upper
152 100
151 39.4 16.8 25.2#





#12
2-Methylnaphthalene
Concen: 3.565 ng
RT: 12.248 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

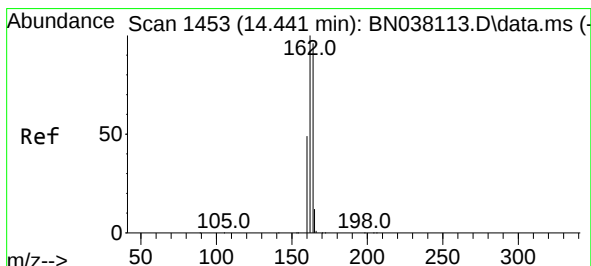
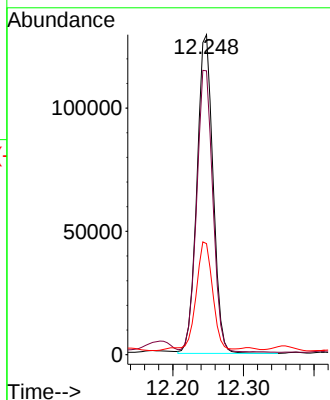
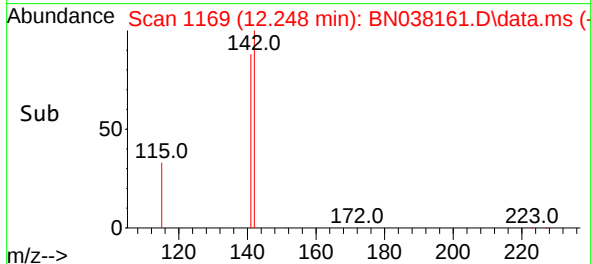
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion:142 Resp: 204766
Ion Ratio Lower Upper
142 100
141 88.7 70.3 105.5
115 34.7 27.8 41.6

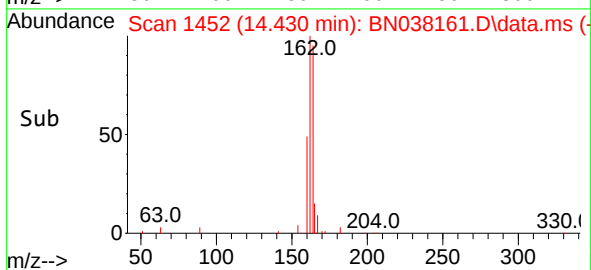
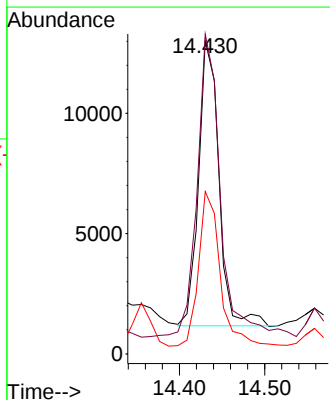
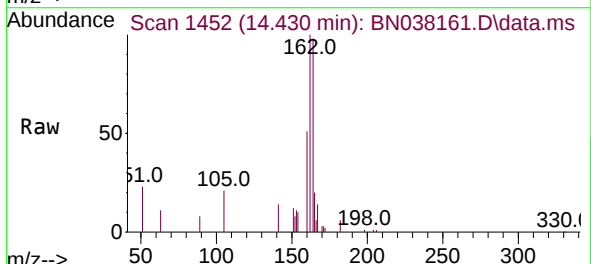
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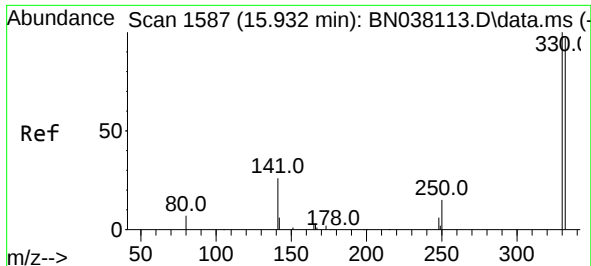
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

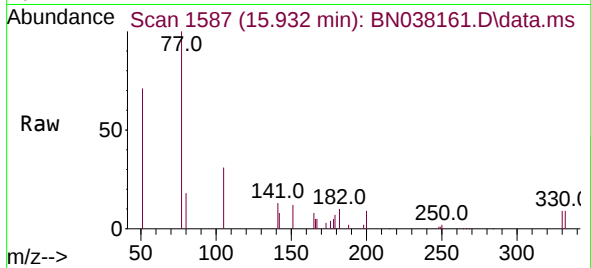
Tgt Ion:164 Resp: 19621
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.4
160 51.9 40.7 61.1





#14
2,4,6-Tribromophenol
Concen: 0.371 ng
RT: 15.932 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

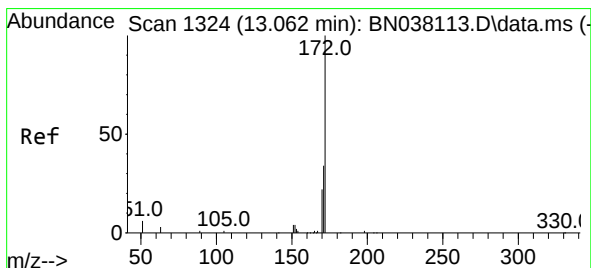
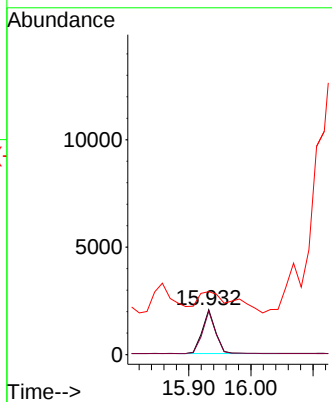
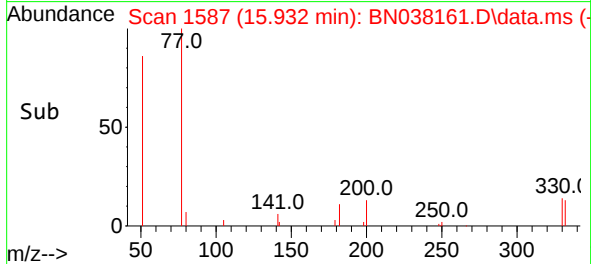
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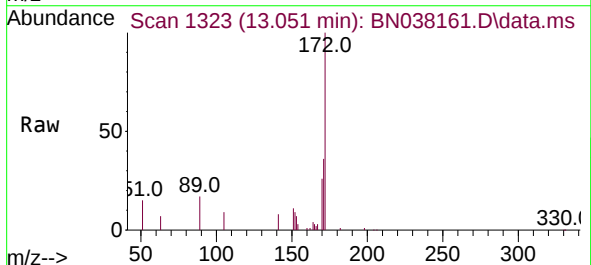
Tgt Ion: 330 Resp: 2999
Ion Ratio Lower Upper
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332 95.4 76.6 114.8
141 139.8 34.1 51.1

Manual Integrations
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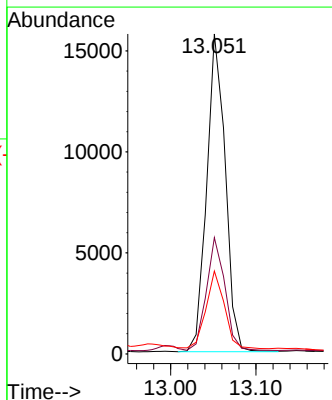
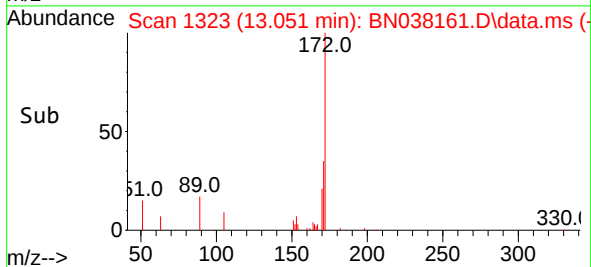
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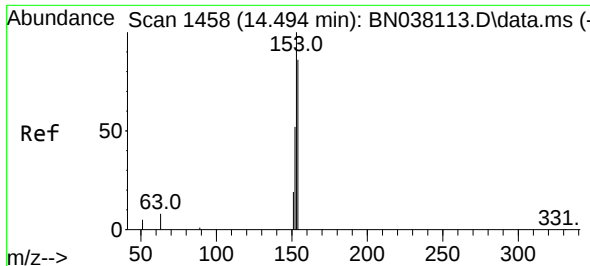


#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10



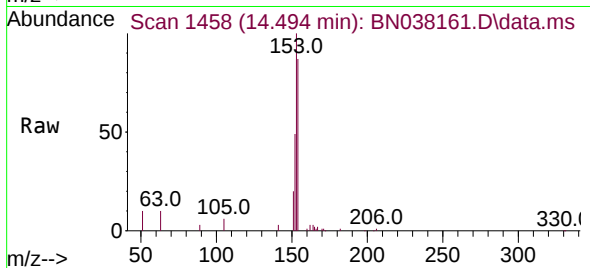
Tgt Ion: 172 Resp: 23813
Ion Ratio Lower Upper
172 100
171 36.3 27.8 41.6
170 25.9 18.1 27.1





#17
Acenaphthene
Concen: 0.956 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

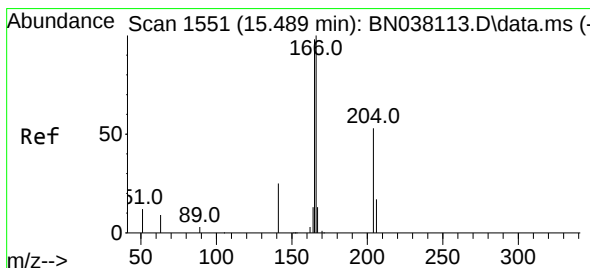
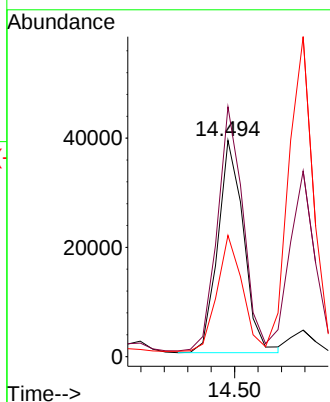
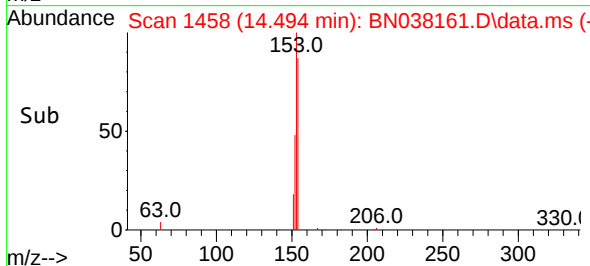
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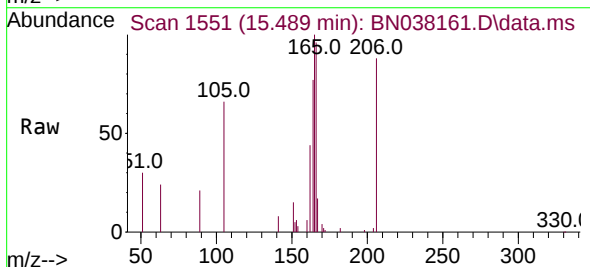
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Ion Ratio Lower Upper
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153 114.2 90.0 135.0
152 53.9 47.3 70.9

Manual Integrations
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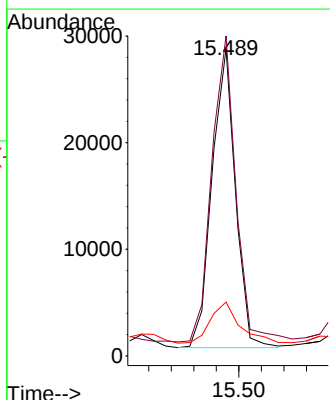
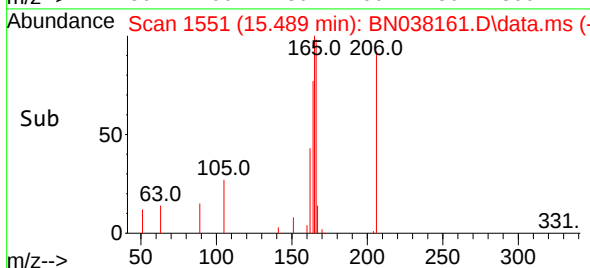
Reviewed By :Rahul Chavli 11/10/2025
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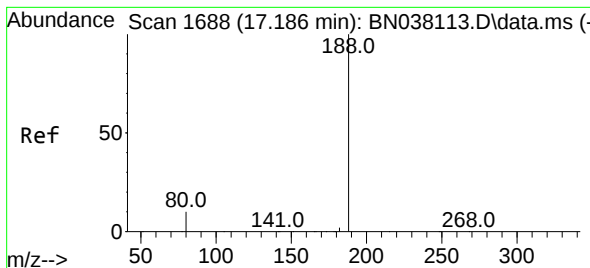


#18
Fluorene
Concen: 0.515 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10



Tgt Ion:166 Resp: 41980
Ion Ratio Lower Upper
166 100
165 106.4 79.0 118.4
167 17.3 10.7 16.1#





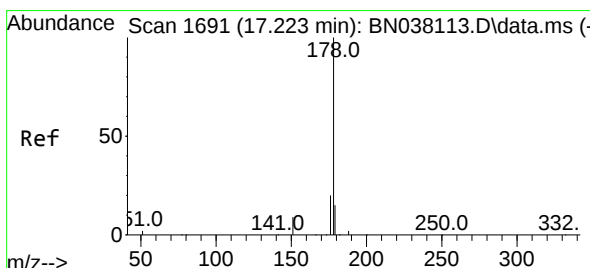
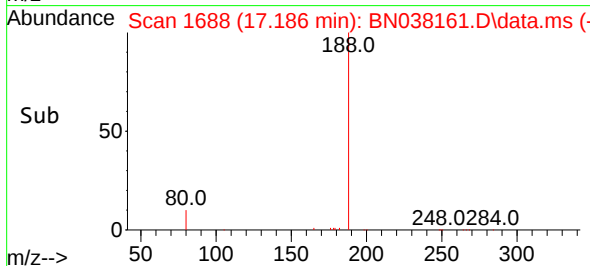
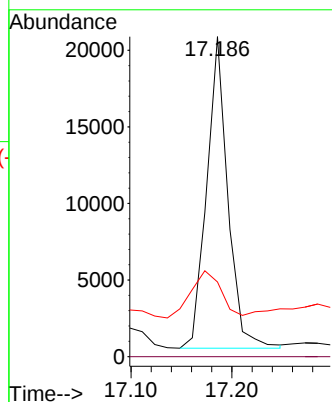
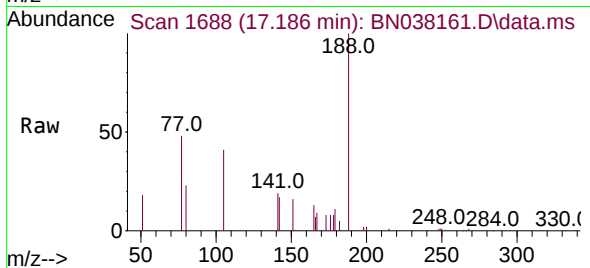
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

Instrument :
BNA_N
ClientSampleId :
MW-4

Tgt Ion:188 Resp: 29623
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 23.3 8.6 13.0

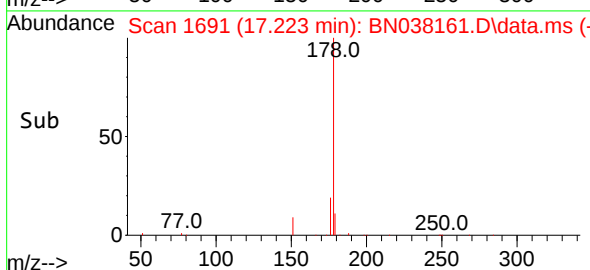
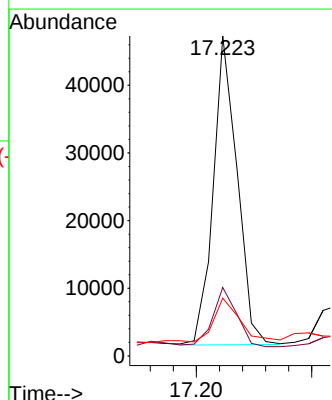
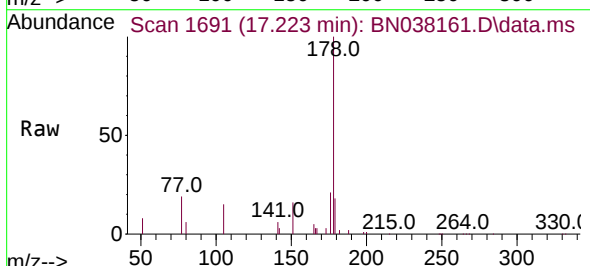
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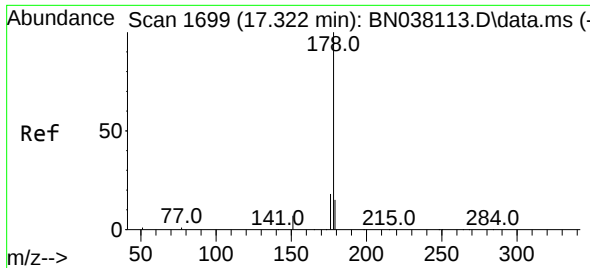
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#25
Phenanthrene
Concen: 0.698 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

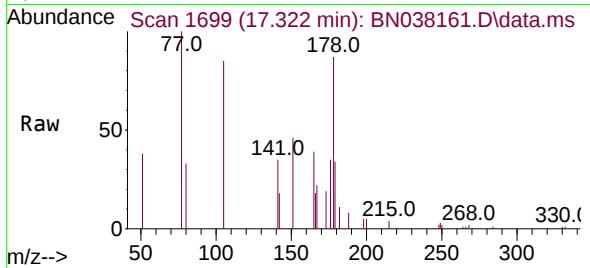
Tgt Ion:178 Resp: 65665
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 19.0 12.2 18.4





#26
 Anthracene
 Concen: 0.115 ng m
 RT: 17.322 min Scan# 1699
 Delta R.T. -0.000 min
 Lab File: BN038161.D
 Acq: 07 Nov 2025 19:10

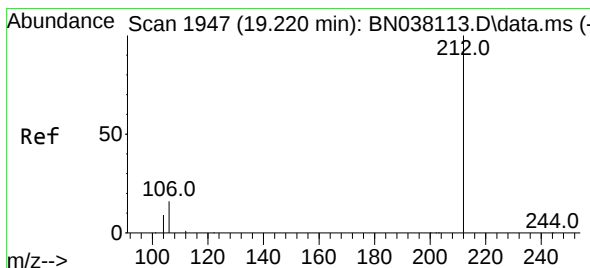
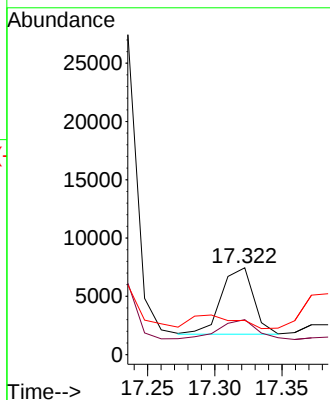
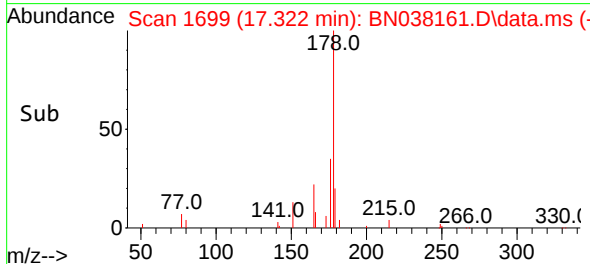
Instrument :
 BNA_N
 ClientSampleId :
 MW-4



Tgt Ion:178 Resp: 9502
 Ion Ratio Lower Upper
 178 100
 176 132.8 14.9 22.3#
 179 116.8 11.8 17.8#

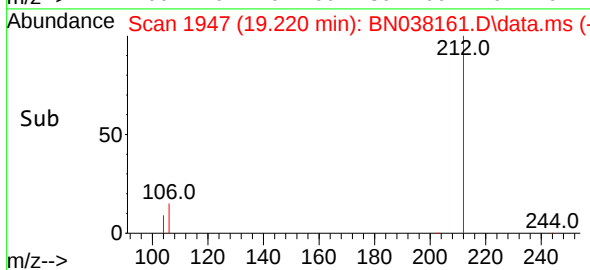
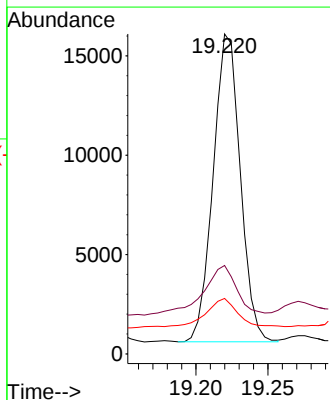
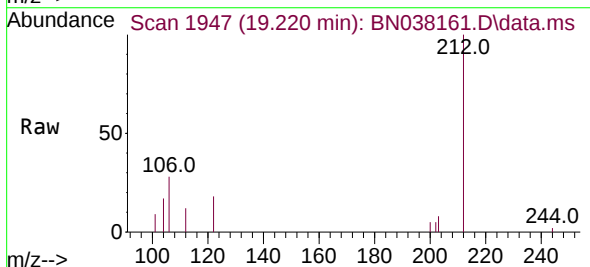
Manual Integrations
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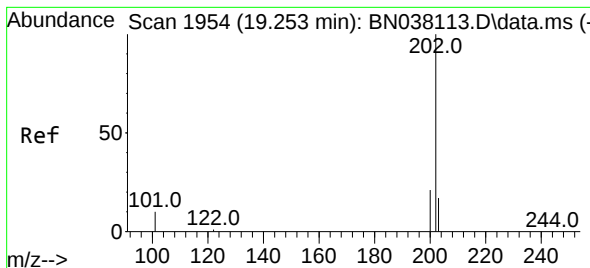
Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025



#27
 Fluoranthene-d10
 Concen: 0.272 ng
 RT: 19.220 min Scan# 1947
 Delta R.T. -0.000 min
 Lab File: BN038161.D
 Acq: 07 Nov 2025 19:10

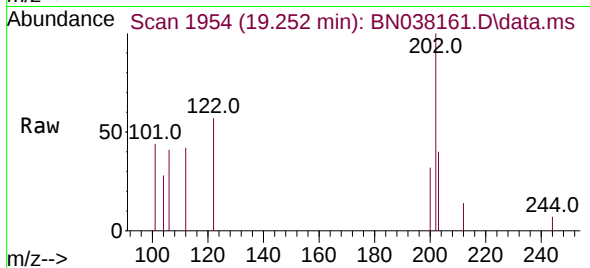
Tgt Ion:212 Resp: 20328
 Ion Ratio Lower Upper
 212 100
 106 20.5 12.6 19.0#
 104 15.2 7.1 10.7#





#28
Fluoranthene
Concen: 0.054 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

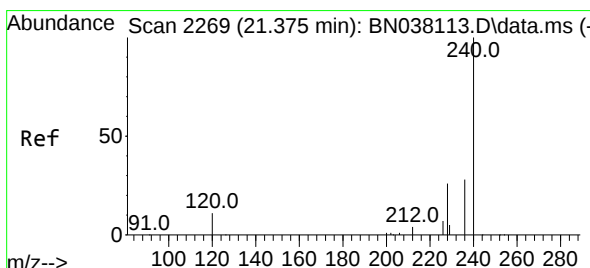
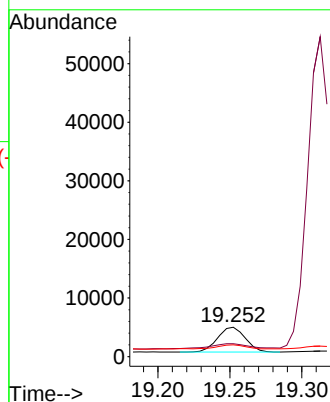
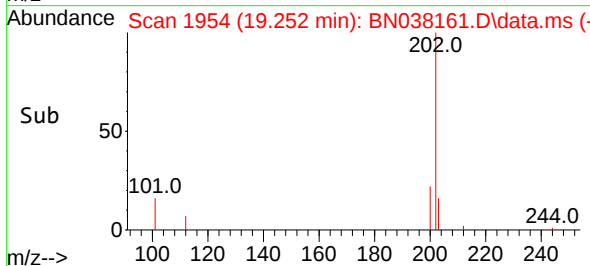
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion:202 Resp: 5689
Ion Ratio Lower Upper
202 100
101 36.4 9.4 14.2
203 20.9 13.4 20.2

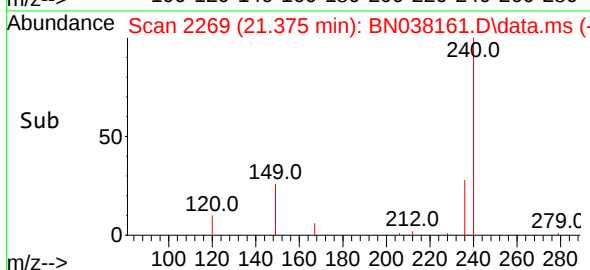
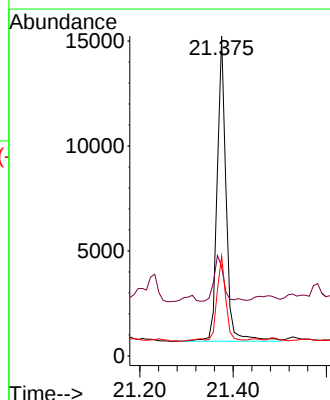
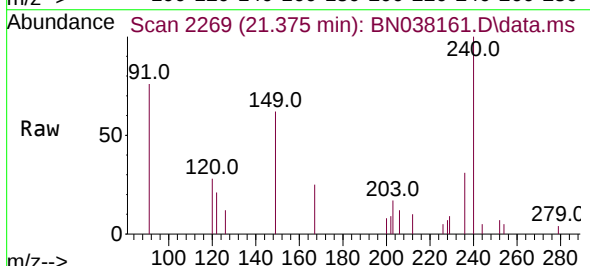
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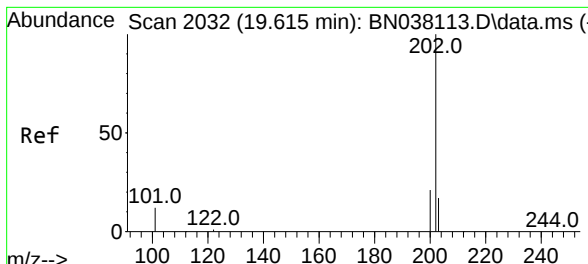
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

Tgt Ion:240 Resp: 19333
Ion Ratio Lower Upper
240 100
120 27.9 10.7 16.1
236 31.2 23.1 34.7





#30
 Pyrene
 Concen: 0.053 ng
 RT: 19.615 min Scan# 2032
 Delta R.T. 0.005 min
 Lab File: BN038161.D
 Acq: 07 Nov 2025 19:10

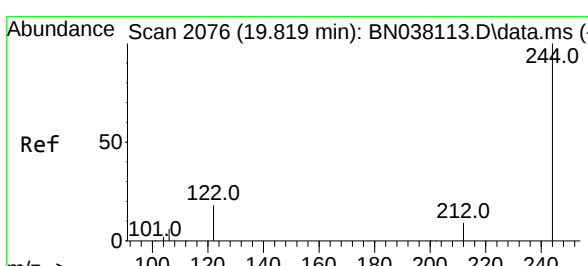
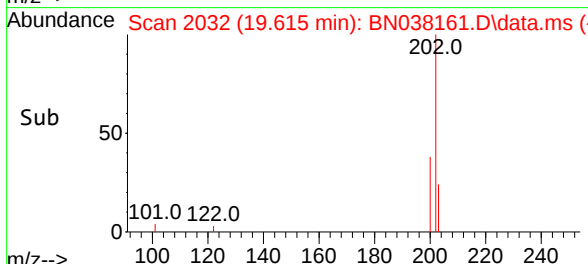
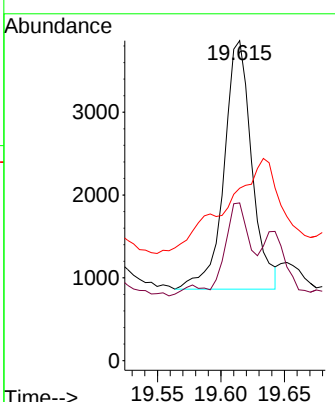
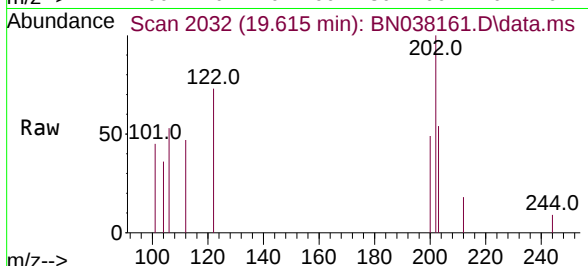
Instrument :
 BNA_N
 Client SampleId :
 MW-4

Tgt Ion: 202 Resp: 4584

Ion	Ratio	Lower	Upper
202	100		
200	37.2	16.7	25.1
203	0.0	14.2	21.2

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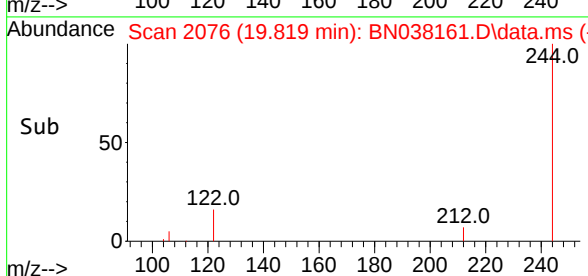
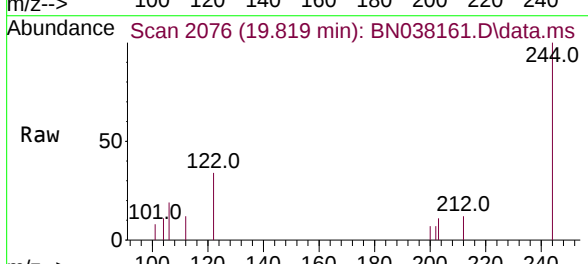
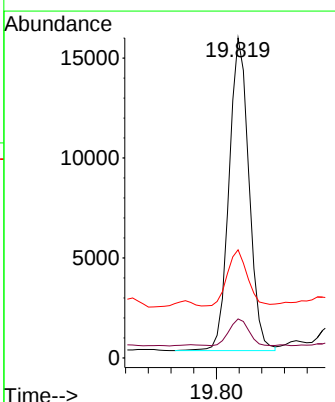
Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025

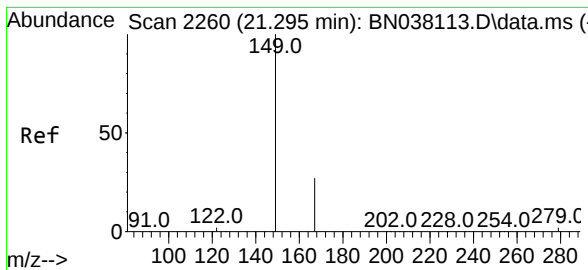


#31
 Terphenyl-d14
 Concen: 0.455 ng
 RT: 19.819 min Scan# 2076
 Delta R.T. -0.000 min
 Lab File: BN038161.D
 Acq: 07 Nov 2025 19:10

Tgt Ion: 244 Resp: 19095

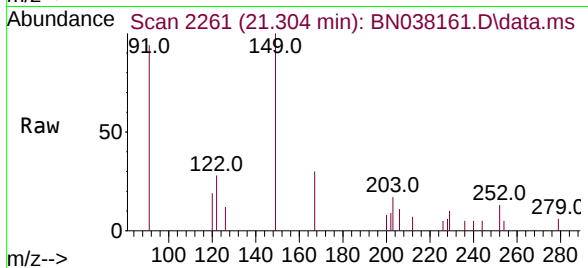
Ion	Ratio	Lower	Upper
244	100		
212	12.2	7.8	11.6
122	33.8	15.2	22.8





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.393 ng
RT: 21.304 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

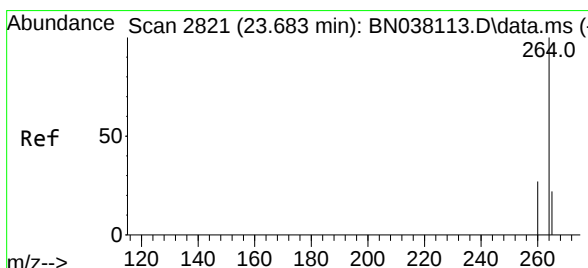
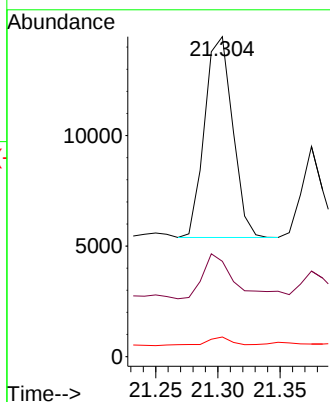
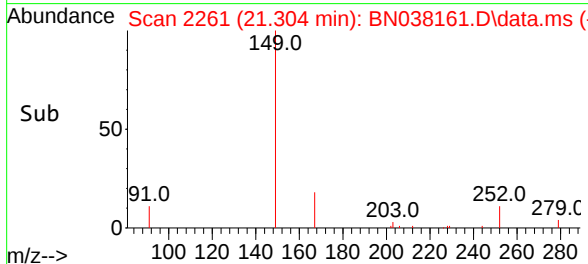
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion:149 Resp: 14269
Ion Ratio Lower Upper
149 100
167 24.1 21.1 31.7
279 3.9 2.9 4.3

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Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

Tgt Ion:264 Resp: 19622
Ion Ratio Lower Upper
264 100
260 28.0 21.8 32.8
265 87.9 68.6 102.8

