

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121625\
 Data File : BN038466.D
 Acq On : 17 Dec 2025 06:13
 Operator : RC/JU
 Sample : Q3882-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AX0

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/17/2025
 Supervised By :Jagrut Upadhyay 12/17/2025

Quant Time: Dec 17 06:44:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	5502	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	14541	0.400	ng	#-0.02
13) Acenaphthene-d10	14.377	164	7615	0.400	ng	-0.02
19) Phenanthrene-d10	17.136	188	13827	0.400	ng	-0.01
29) Chrysene-d12	21.331	240	11214	0.400	ng	# 0.00
35) Perylene-d12	23.610	264	11526	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	1772	0.129	ng	0.00
5) Phenol-d6	6.872	99	1229	0.075	ng	-0.01
8) Nitrobenzene-d5	8.865	82	3454	0.282	ng	-0.01
11) 2-Methylnaphthalene-d10	12.111	152	5481	0.267	ng	-0.02
14) 2,4,6-Tribromophenol	15.883	330	1001	0.296	ng	-0.01
15) 2-Fluorobiphenyl	12.998	172	13835	0.377	ng	-0.01
27) Fluoranthene-d10	19.174	212	9371	0.274	ng	-0.01
31) Terphenyl-d14	19.773	244	7467	0.298	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.562	128	17075	0.397	ng	99
12) 2-Methylnaphthalene	12.187	142	3927	0.144	ng	98
16) Acenaphthylene	14.099	152	2431	0.065	ng	# 93
17) Acenaphthene	14.441	154	11258	0.432	ng	98
18) Fluorene	15.435	166	9785	0.292	ng	97
25) Phenanthrene	17.173	178	38809	0.806	ng	100
26) Anthracene	17.260	178	7686m	0.185	ng	
28) Fluoranthene	19.201	202	44840	0.877	ng	99
30) Pyrene	19.564	202	37590	0.681	ng	97
32) Benzo(a)anthracene	21.313	228	17822	0.411	ng	98
33) Chrysene	21.366	228	20299	0.426	ng	97
34) Bis(2-ethylhexyl)phtha...	21.250	149	1454	0.061	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.923	276	13944	0.228	ng	95
37) Benzo(b)fluoranthene	22.923	252	29075	0.549	ng	99
38) Benzo(k)fluoranthene	22.964	252	9323m	0.177	ng	
39) Benzo(a)pyrene	23.511	252	18219	0.421	ng	95
40) Dibenzo(a,h)anthracene	25.931	278	3216	0.068	ng	# 74
41) Benzo(g,h,i)perylene	26.636	276	15403	0.292	ng	99

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

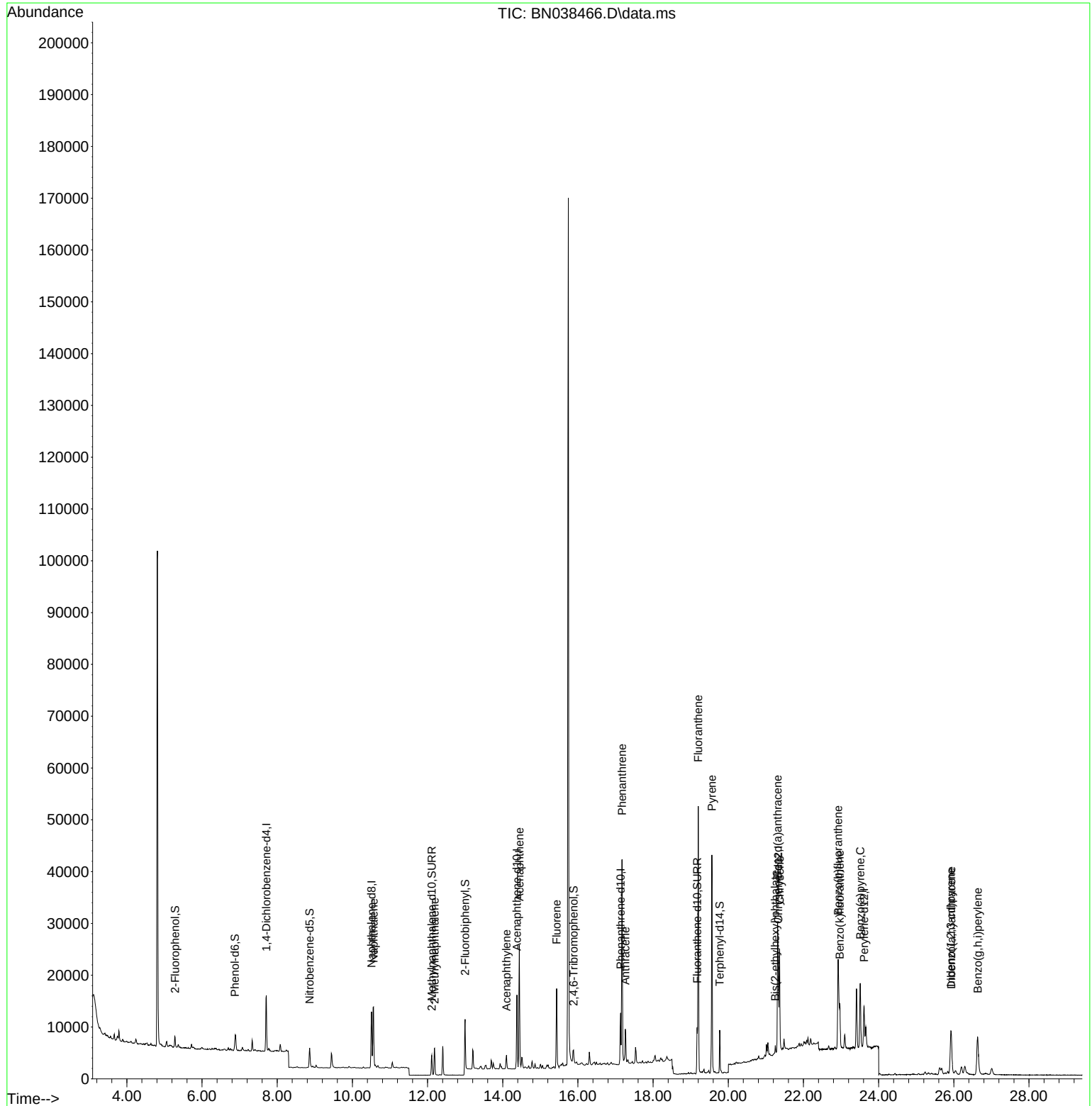
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121625\
Data File : BN038466.D
Acq On : 17 Dec 2025 06:13
Operator : RC/JU
Sample : Q3882-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

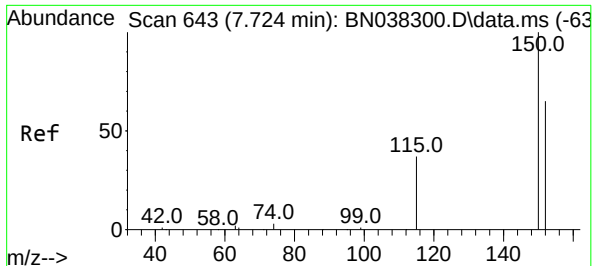
Instrument :
BNA_N
ClientSampleId :
C0AX0

Manual Integrations
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Supervised By :Jagrut Upadhyay 12/17/2025

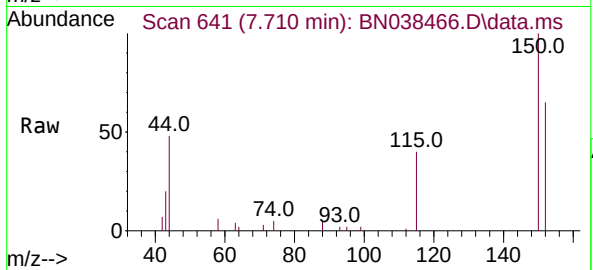
Quant Time: Dec 17 06:44:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 641
Delta R.T. -0.014 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

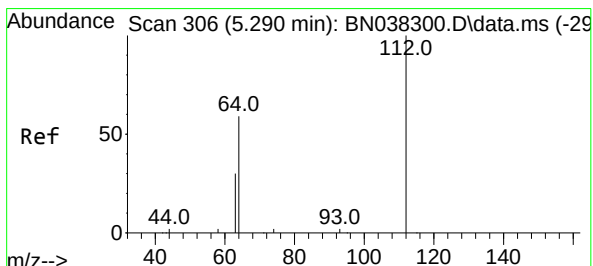
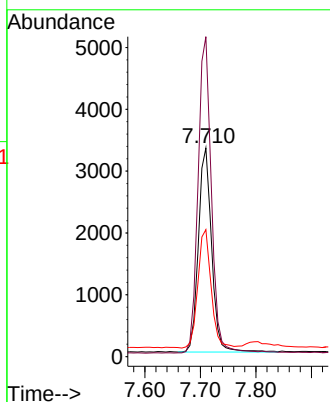
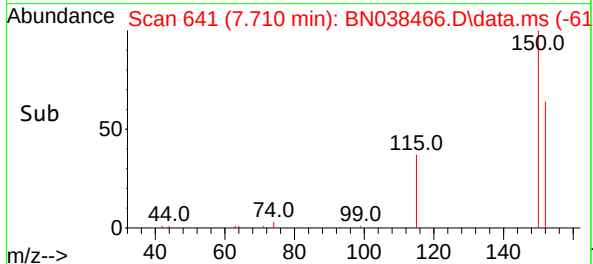
Instrument :
BNA_N
ClientSampleId :
C0AX0



Tgt Ion:152 Resp: 5502
Ion Ratio Lower Upper
152 100
150 153.4 122.4 183.6
115 60.9 47.3 70.9

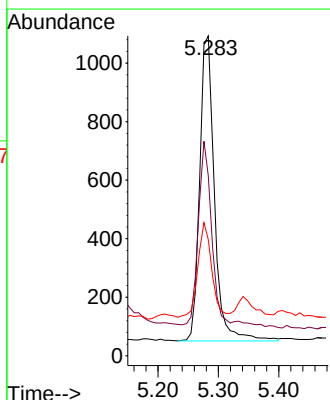
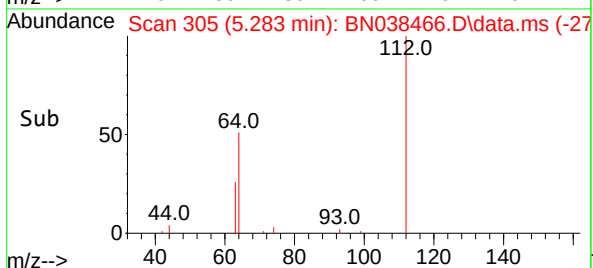
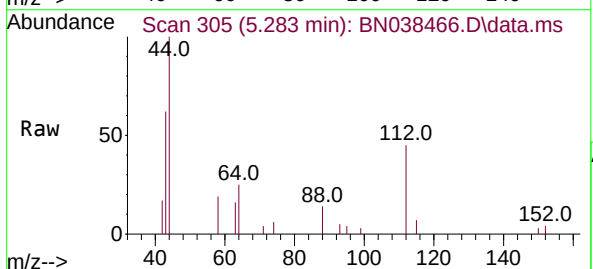
Manual Integrations
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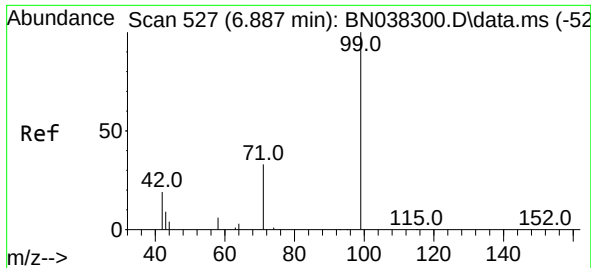
Reviewed By :Rahul Chavli 12/17/2025
Supervised By :Jagrut Upadhyay 12/17/2025



#4
2-Fluorophenol
Concen: 0.129 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

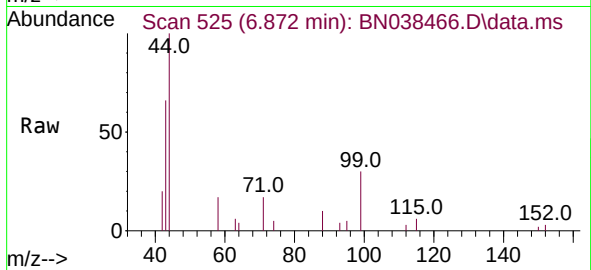
Tgt Ion:112 Resp: 1772
Ion Ratio Lower Upper
112 100
64 60.1 44.4 66.6
63 29.0 23.4 35.0





#5
Phenol-d6
Concen: 0.075 ng
RT: 6.872 min Scan# 51
Delta R.T. -0.014 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

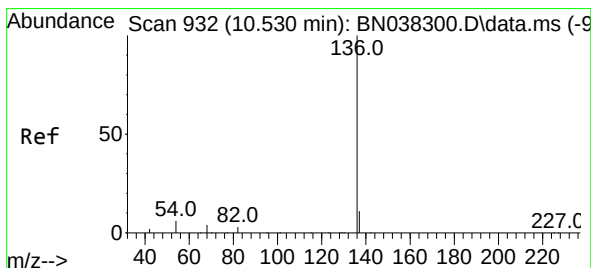
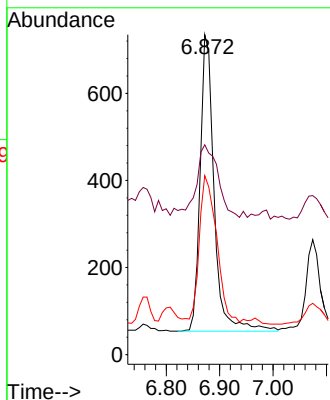
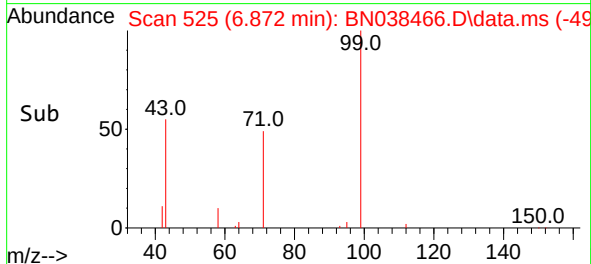
Instrument :
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ClientSampleId :
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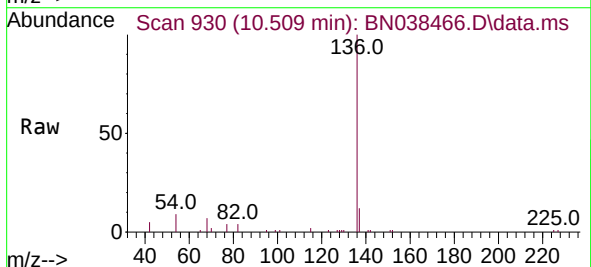
Tgt Ion: 99 Resp: 1229
Ion Ratio Lower Upper
99 100
42 38.9 16.5 24.7
71 64.0 24.9 37.3

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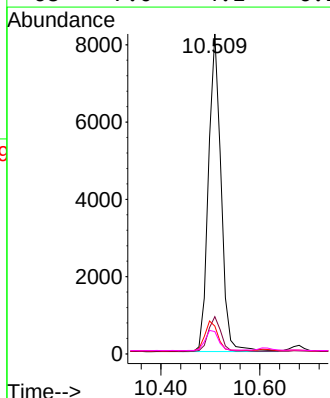
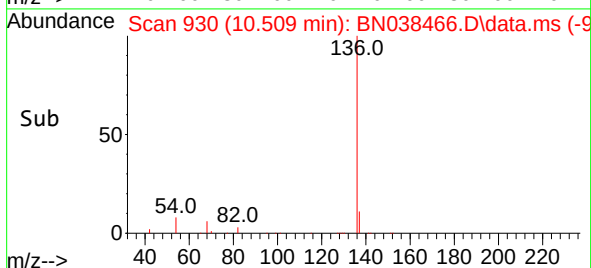
Reviewed By :Rahul Chavli 12/17/2025
Supervised By :Jagrut Upadhyay 12/17/2025

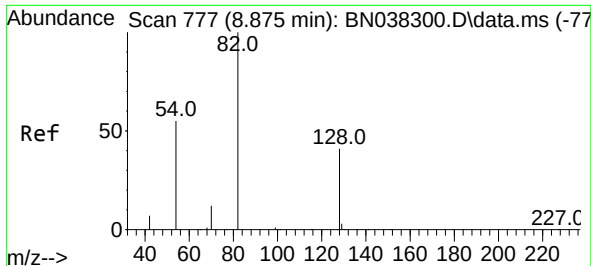


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. -0.021 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13



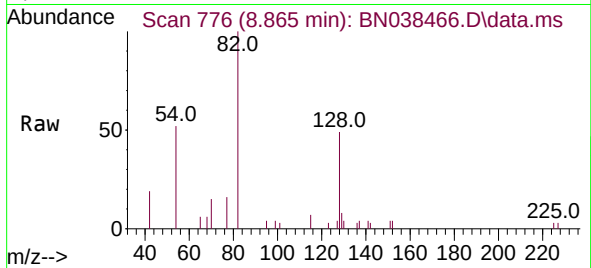
Tgt Ion:136 Resp: 14541
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 8.7 5.2 7.8#
68 7.0 4.1 6.1#





#8
 Nitrobenzene-d5
 Concen: 0.282 ng
 RT: 8.865 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BN038466.D
 Acq: 17 Dec 2025 06:13

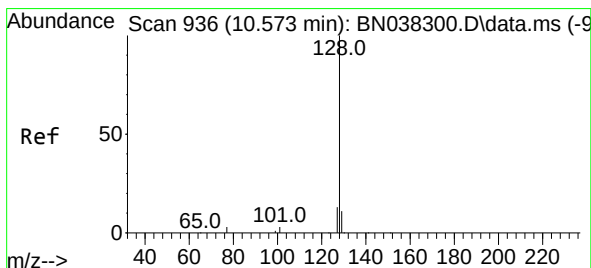
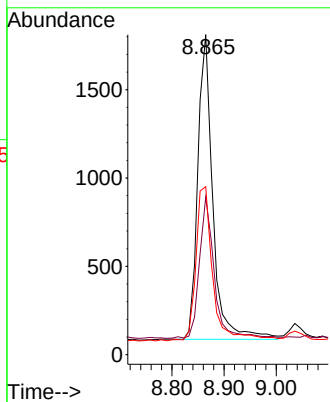
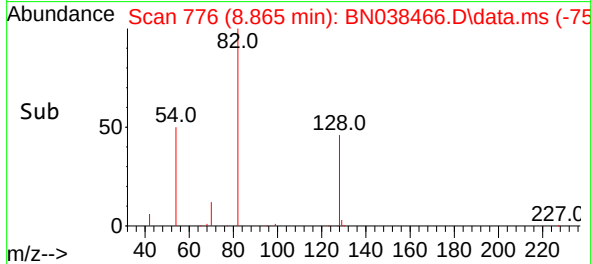
Instrument :
 BNA_N
 ClientSampleId :
 COAX0



Tgt Ion: 82 Resp: 3454
 Ion Ratio Lower Upper
 82 100
 128 49.2 34.0 51.0
 54 52.5 44.4 66.6

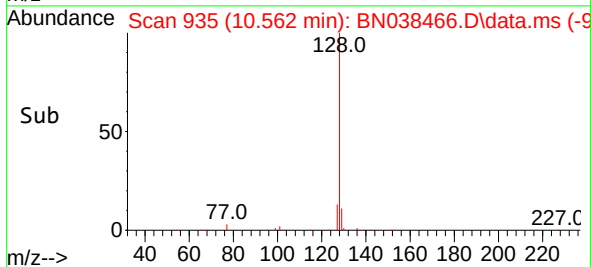
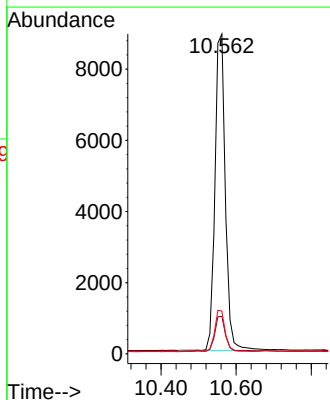
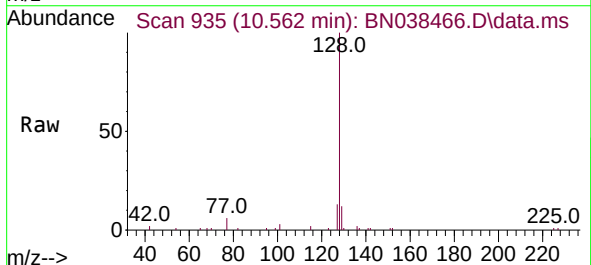
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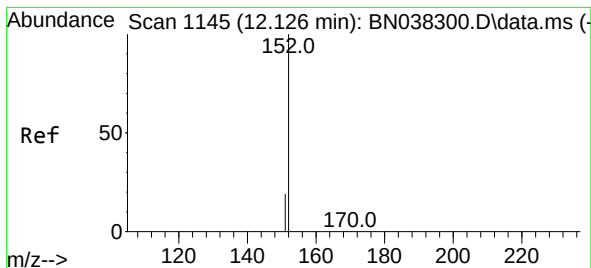
Reviewed By :Rahul Chavli 12/17/2025
 Supervised By :Jagrut Upadhyay 12/17/2025



#9
 Naphthalene
 Concen: 0.397 ng
 RT: 10.562 min Scan# 935
 Delta R.T. -0.011 min
 Lab File: BN038466.D
 Acq: 17 Dec 2025 06:13

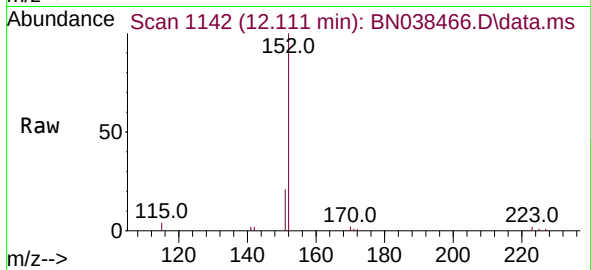
Tgt Ion:128 Resp: 17075
 Ion Ratio Lower Upper
 128 100
 129 11.7 9.1 13.7
 127 13.4 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.267 ng
RT: 12.111 min Scan# 1142
Delta R.T. -0.015 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

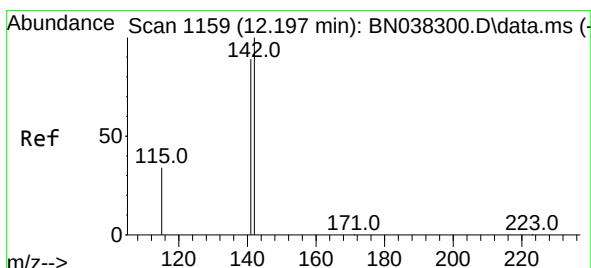
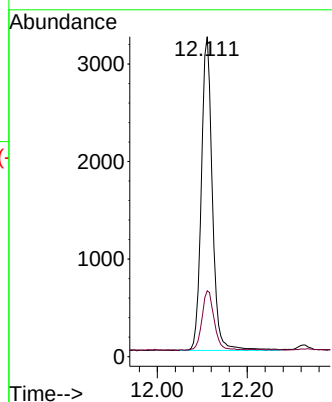
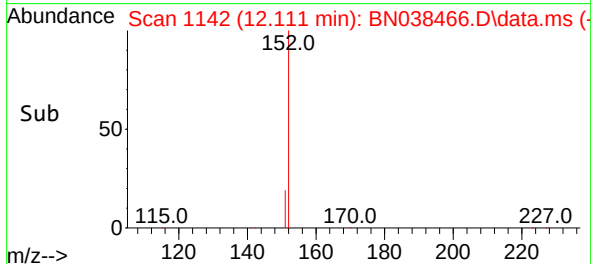
Instrument :
BNA_N
ClientSampleId :
C0AX0



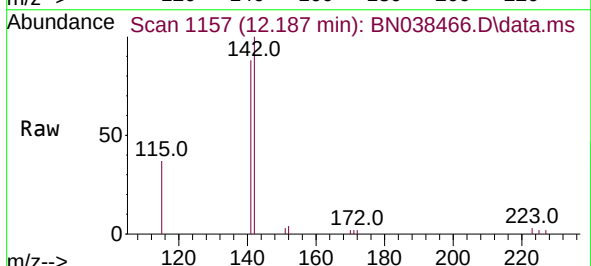
Tgt Ion:152 Resp: 548
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6

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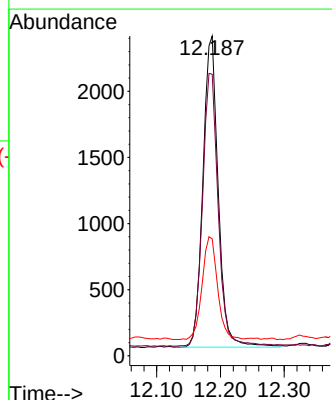
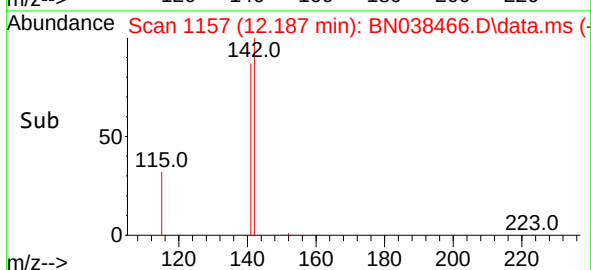
Reviewed By :Rahul Chavli 12/17/2025
Supervised By :Jagrut Upadhyay 12/17/2025

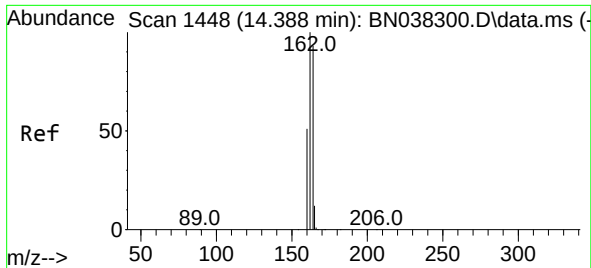


#12
2-Methylnaphthalene
Concen: 0.144 ng
RT: 12.187 min Scan# 1157
Delta R.T. -0.015 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13



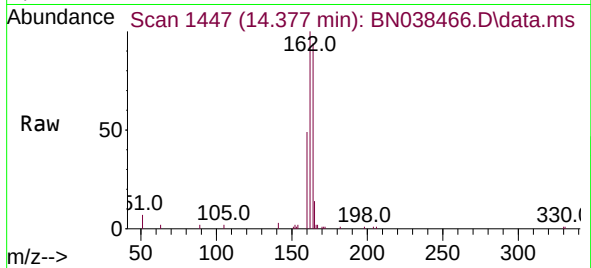
Tgt Ion:142 Resp: 3927
Ion Ratio Lower Upper
142 100
141 88.0 71.4 107.2
115 36.6 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.377 min Scan# 1447
Delta R.T. -0.021 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

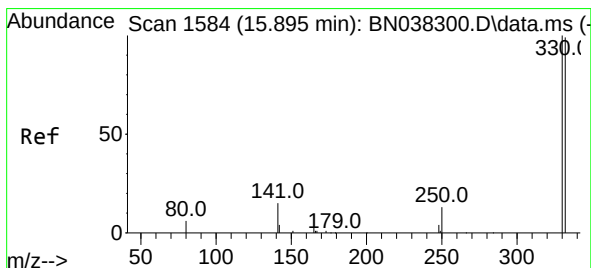
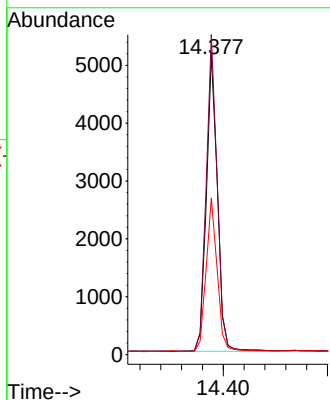
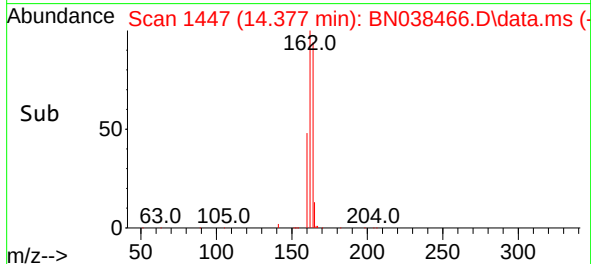
Instrument :
BNA_N
ClientSampleId :
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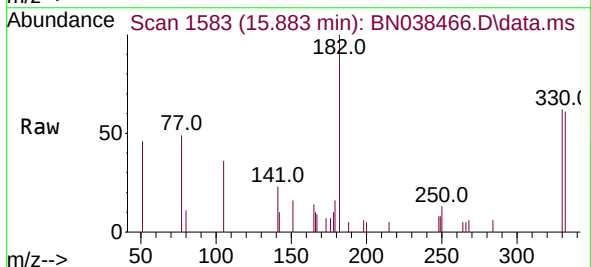
Tgt Ion:164 Resp: 7615
Ion Ratio Lower Upper
164 100
162 106.4 86.2 129.4
160 52.1 44.6 67.0

Manual Integrations
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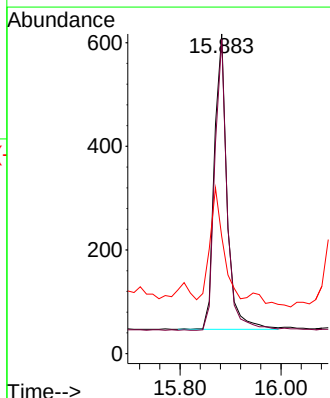
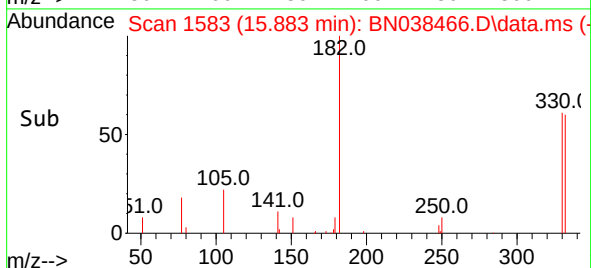
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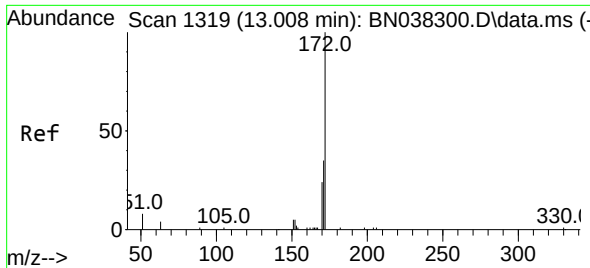


#14
2,4,6-Tribromophenol
Concen: 0.296 ng
RT: 15.883 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13



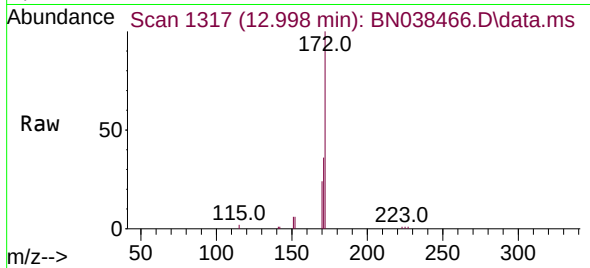
Tgt Ion:330 Resp: 1001
Ion Ratio Lower Upper
330 100
332 96.3 75.8 113.6
141 39.0 31.8 47.8





#15
2-Fluorobiphenyl
Concen: 0.377 ng
RT: 12.998 min Scan# 1319
Delta R.T. -0.010 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

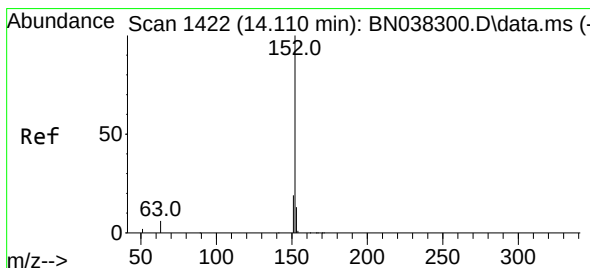
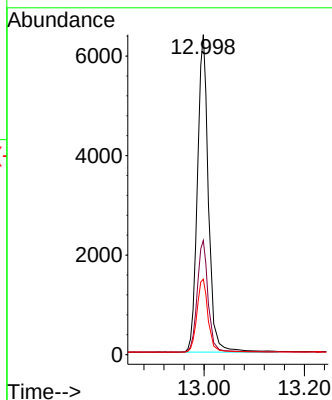
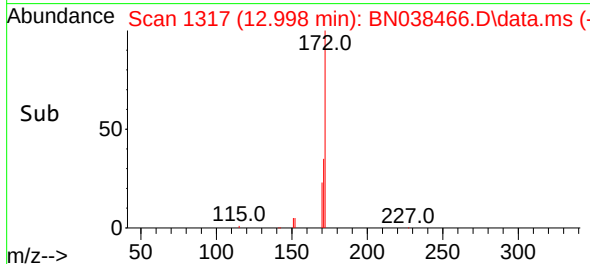
Instrument :
BNA_N
ClientSampleId :
COAX0



Tgt Ion:172 Resp: 13835
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 23.6 19.3 28.9

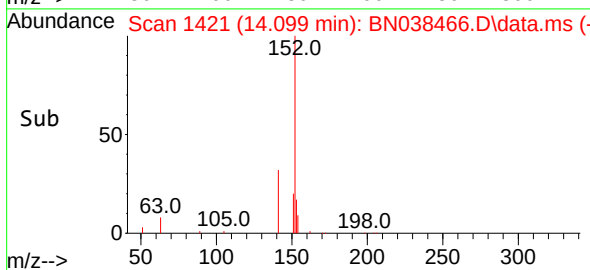
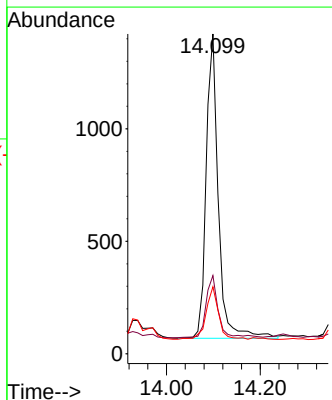
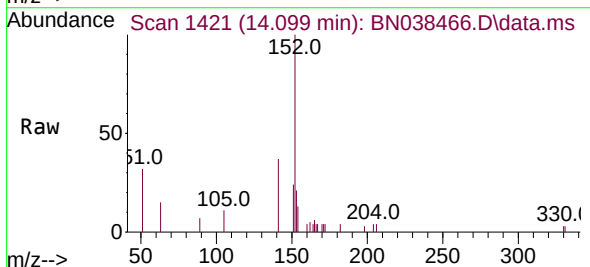
Manual Integrations
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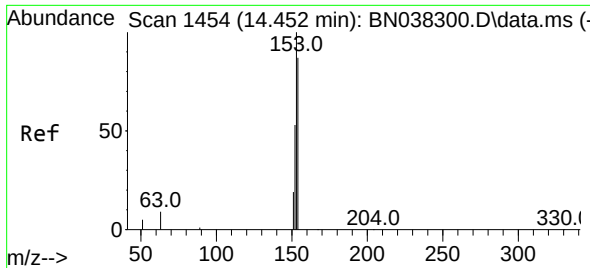
Reviewed By :Rahul Chavli 12/17/2025
Supervised By :Jagrut Upadhyay 12/17/2025



#16
Acenaphthylene
Concen: 0.065 ng
RT: 14.099 min Scan# 1421
Delta R.T. -0.011 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

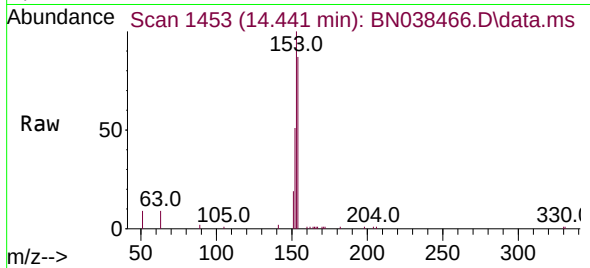
Tgt Ion:152 Resp: 2431
Ion Ratio Lower Upper
152 100
151 20.9 15.4 23.2
153 17.6 10.2 15.4#





#17
Acenaphthene
Concen: 0.432 ng
RT: 14.441 min Scan# 1453
Delta R.T. -0.021 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

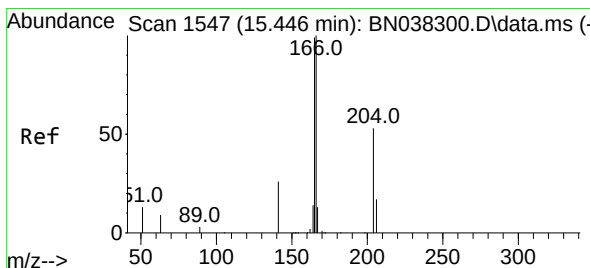
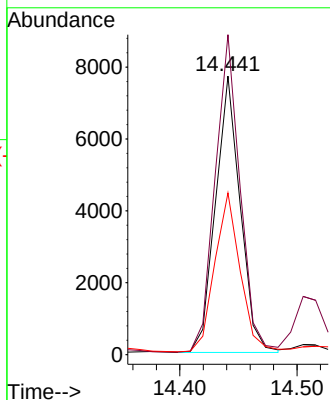
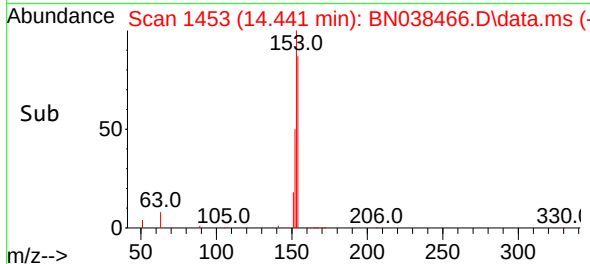
Instrument :
BNA_N
ClientSampleId :
C0AX0



Tgt Ion:154 Resp: 11258
Ion Ratio Lower Upper
154 100
153 115.8 89.8 134.8
152 59.1 47.5 71.3

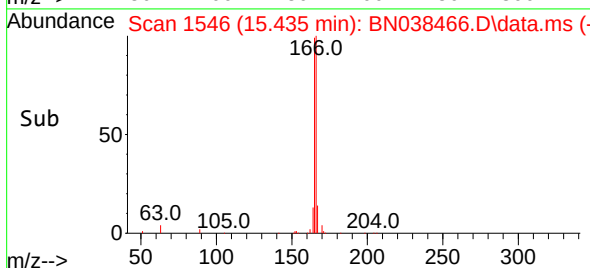
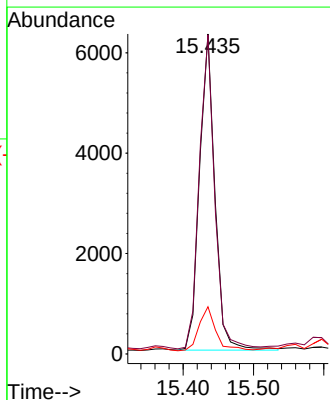
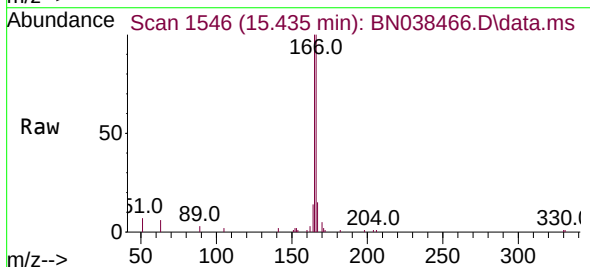
Manual Integrations
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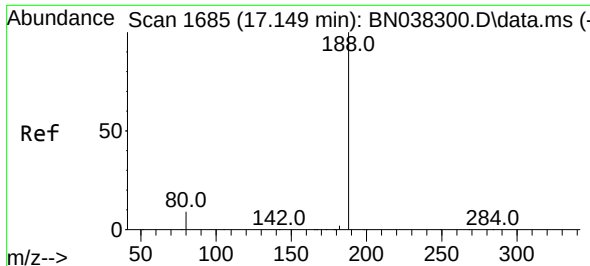
Reviewed By :Rahul Chavli 12/17/2025
Supervised By :Jagrut Upadhyay 12/17/2025



#18
Fluorene
Concen: 0.292 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

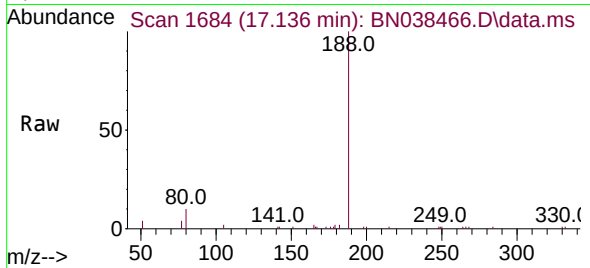
Tgt Ion:166 Resp: 9785
Ion Ratio Lower Upper
166 100
165 96.9 80.2 120.4
167 14.9 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1685
Delta R.T. -0.012 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

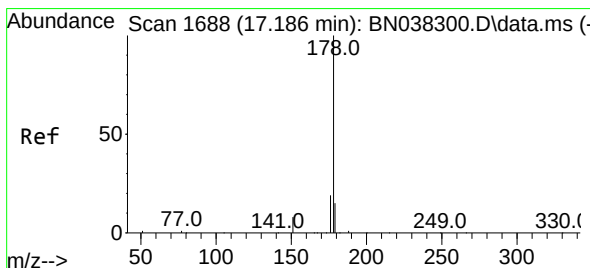
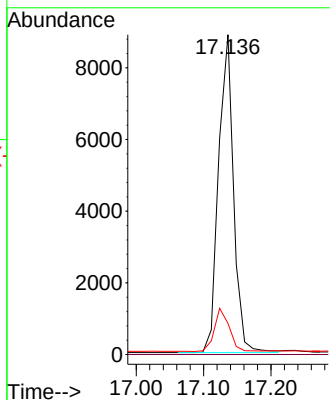
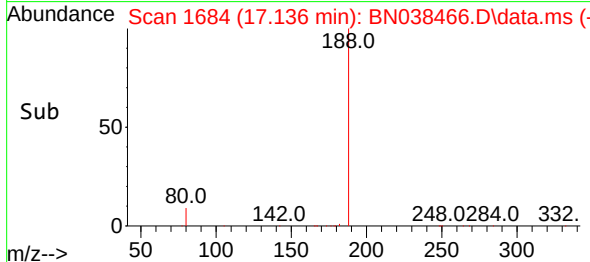
Instrument :
BNA_N
ClientSampleId :
C0AX0



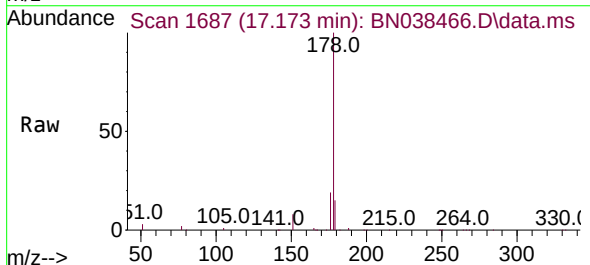
Tgt Ion:188 Resp: 13827
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.8 7.4 11.0

Manual Integrations
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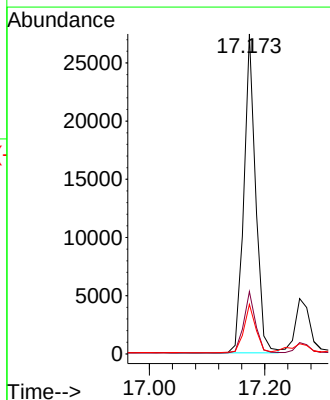
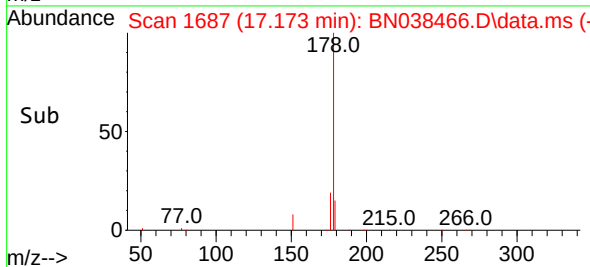
Reviewed By :Rahul Chavli 12/17/2025
Supervised By :Jagrut Upadhyay 12/17/2025

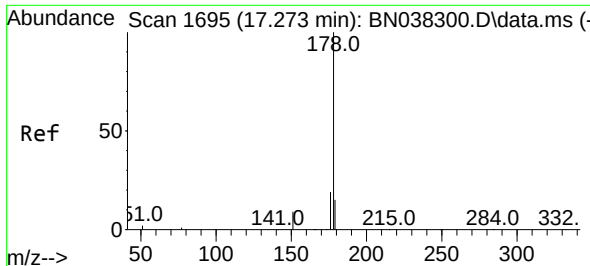


#25
Phenanthrene
Concen: 0.806 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13



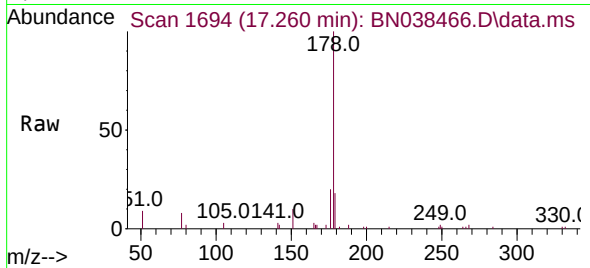
Tgt Ion:178 Resp: 38809
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.5 12.2 18.2





#26
 Anthracene
 Concen: 0.185 ng m
 RT: 17.260 min Scan# 1694
 Delta R.T. -0.025 min
 Lab File: BN038466.D
 Acq: 17 Dec 2025 06:13

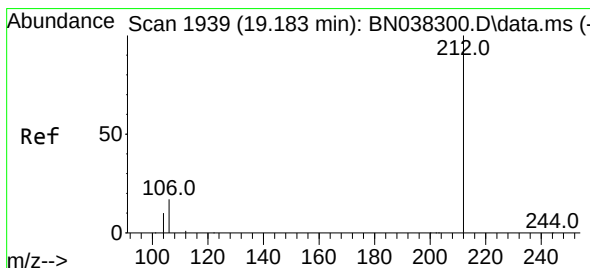
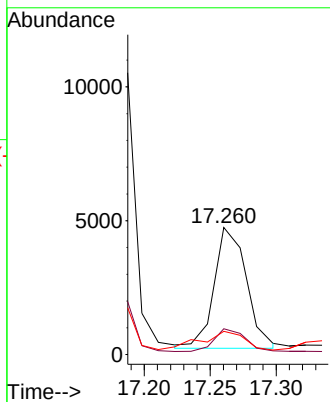
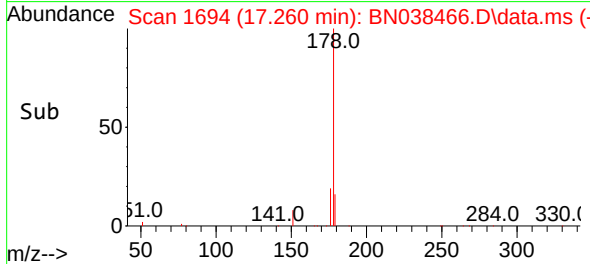
Instrument :
 BNA_N
 ClientSampleId :
 COAX0



Tgt Ion:178 Resp: 7686
 Ion Ratio Lower Upper
 178 100
 176 96.8 15.1 22.7
 179 77.2 12.0 18.0

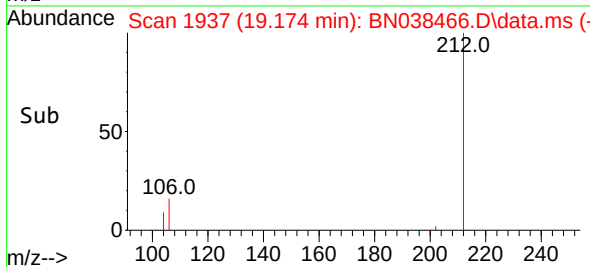
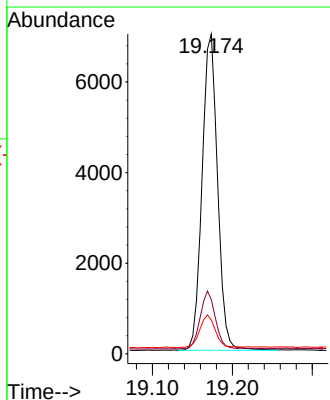
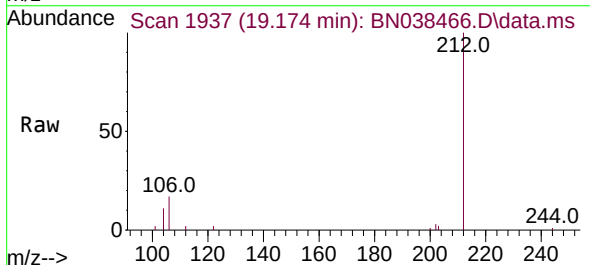
Manual Integrations
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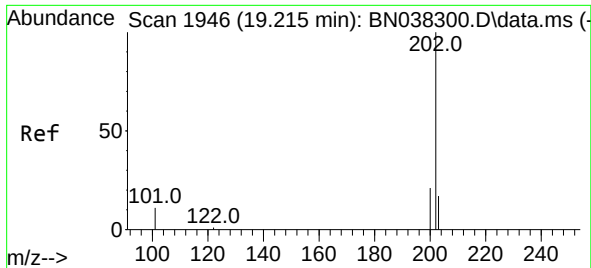
Reviewed By :Rahul Chavli 12/17/2025
 Supervised By :Jagrut Upadhyay 12/17/2025



#27
 Fluoranthene-d10
 Concen: 0.274 ng
 RT: 19.174 min Scan# 1937
 Delta R.T. -0.014 min
 Lab File: BN038466.D
 Acq: 17 Dec 2025 06:13

Tgt Ion:212 Resp: 9371
 Ion Ratio Lower Upper
 212 100
 106 17.9 13.7 20.5
 104 10.3 7.8 11.8





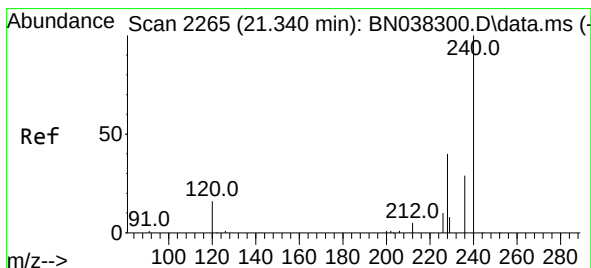
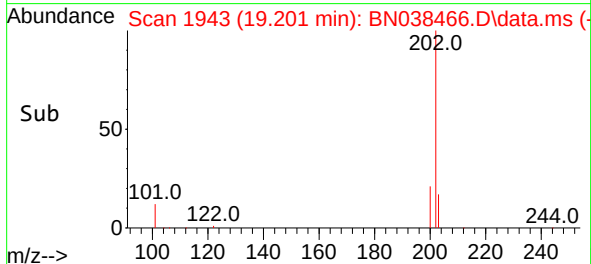
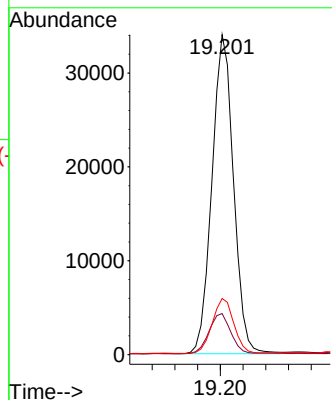
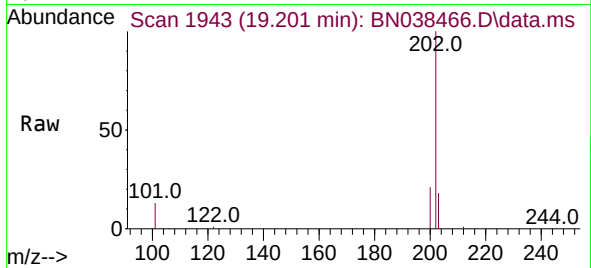
#28
Fluoranthene
Concen: 0.877 ng
RT: 19.201 min Scan# 1946
Delta R.T. -0.019 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

Instrument :
BNA_N
ClientSampleId :
C0AX0

Tgt Ion:202 Resp: 44840
Ion Ratio Lower Upper
202 100
101 12.7 9.6 14.4
203 17.3 13.5 20.3

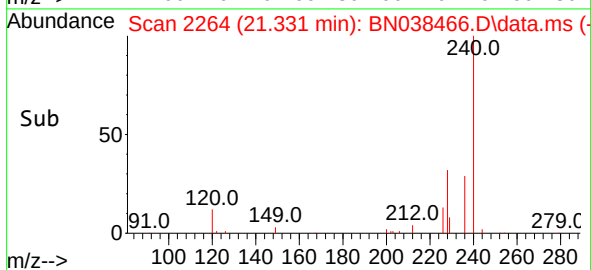
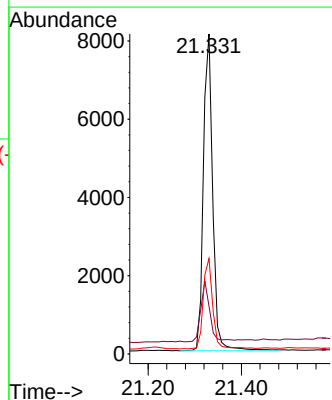
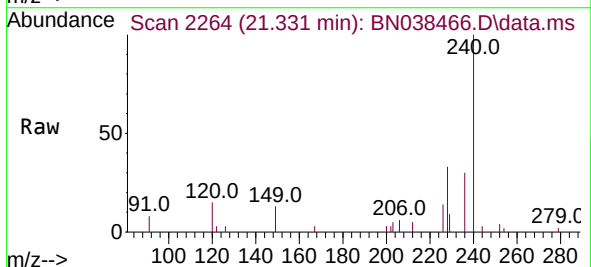
Manual Integrations
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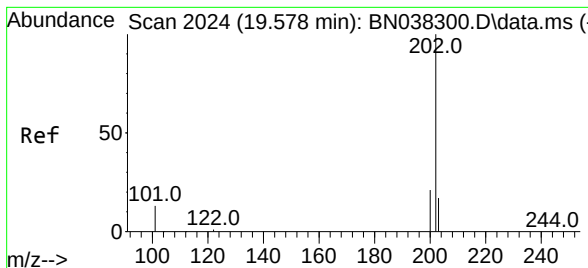
Reviewed By :Rahul Chavli 12/17/2025
Supervised By :Jagrut Upadhyay 12/17/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

Tgt Ion:240 Resp: 11214
Ion Ratio Lower Upper
240 100
120 14.9 15.4 23.2#
236 29.8 23.9 35.9





#30

Pyrene

Concen: 0.681 ng

RT: 19.564 min Scan# 20

Delta R.T. -0.019 min

Lab File: BN038466.D

Acq: 17 Dec 2025 06:13

Instrument :

BNA_N

ClientSampleId :

COAX0

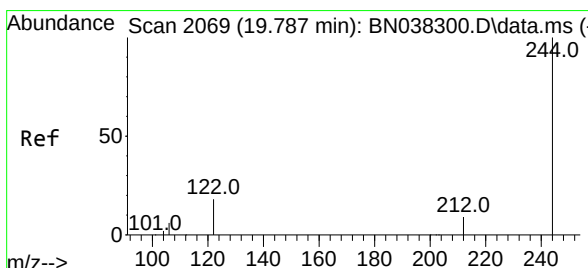
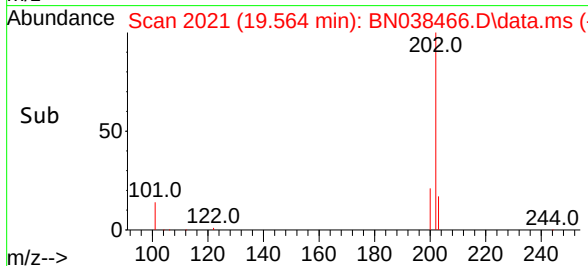
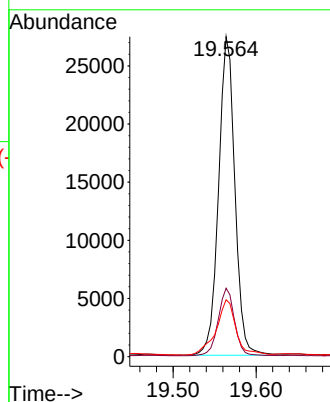
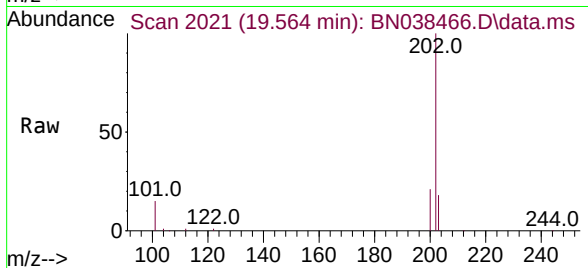
Tgt Ion:	202	Resp:	37590
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.9	25.3
203	20.8	14.2	21.2

Manual Integrations

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Reviewed By :Rahul Chavli 12/17/2025

Supervised By :Jagrut Upadhyay 12/17/2025



#31

Terphenyl-d14

Concen: 0.298 ng

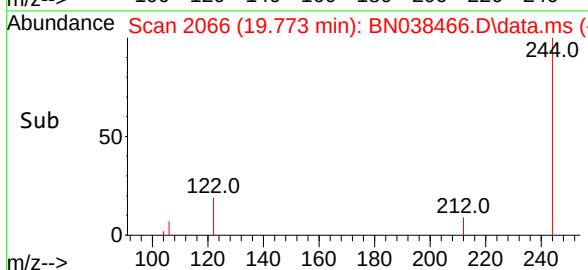
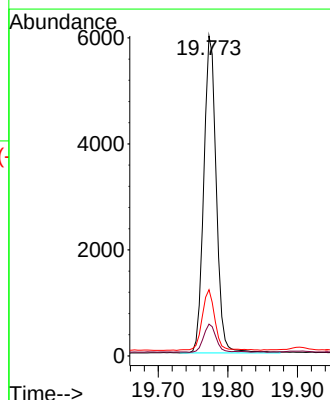
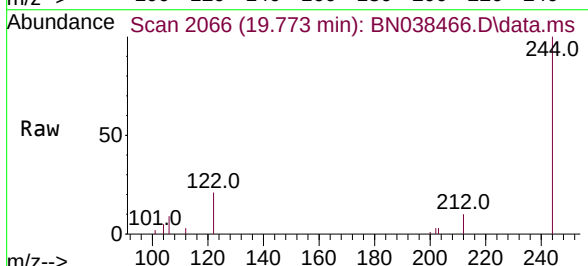
RT: 19.773 min Scan# 2066

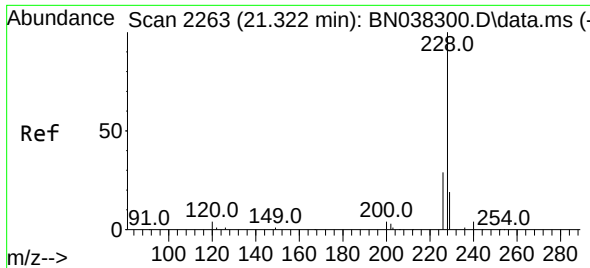
Delta R.T. -0.019 min

Lab File: BN038466.D

Acq: 17 Dec 2025 06:13

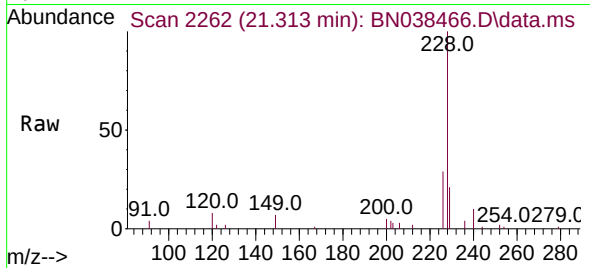
Tgt Ion:	244	Resp:	7467
Ion Ratio	Lower	Upper	
244	100		
212	9.9	7.9	11.9
122	20.7	15.0	22.6





#32
Benzo(a)anthracene
Concen: 0.411 ng
RT: 21.313 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

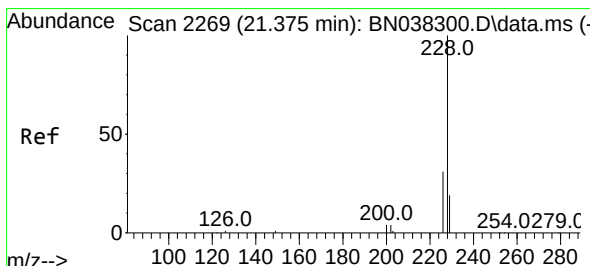
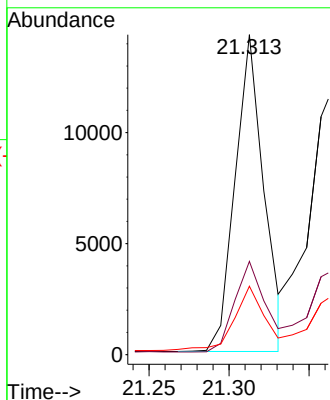
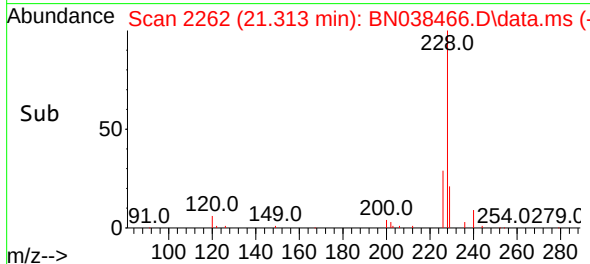
Instrument :
BNA_N
ClientSampleId :
C0AX0



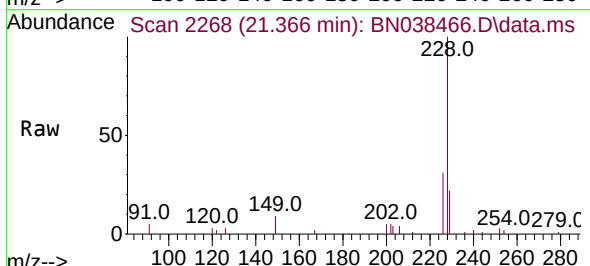
Tgt Ion:228 Resp: 1782
Ion Ratio Lower Upper
228 100
226 29.1 23.3 34.9
229 21.4 15.7 23.5

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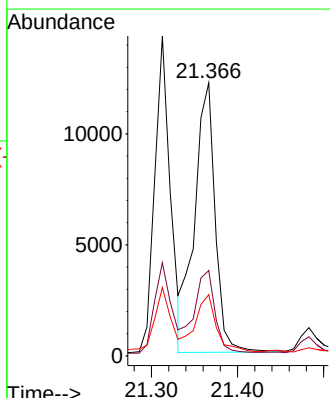
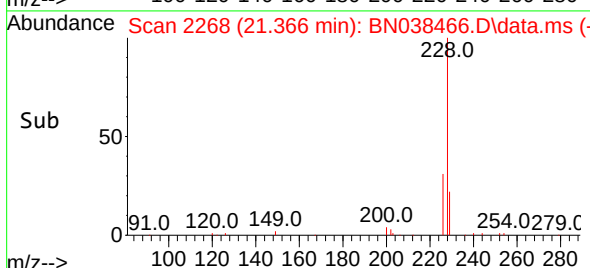
Reviewed By :Rahul Chavli 12/17/2025
Supervised By :Jagrut Upadhyay 12/17/2025

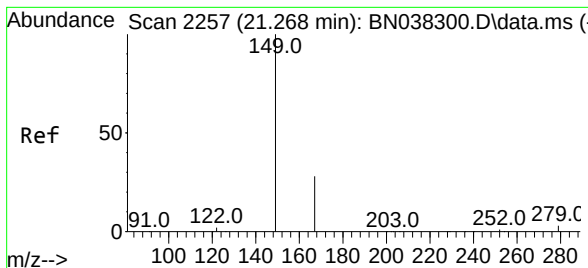


#33
Chrysene
Concen: 0.426 ng
RT: 21.366 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13



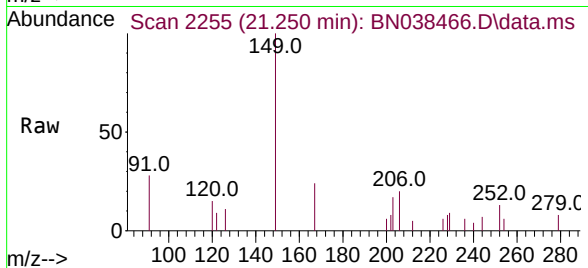
Tgt Ion:228 Resp: 20299
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.4
229 22.4 15.5 23.3





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.061 ng
 RT: 21.250 min Scan# 211
 Delta R.T. -0.018 min
 Lab File: BN038466.D
 Acq: 17 Dec 2025 06:13

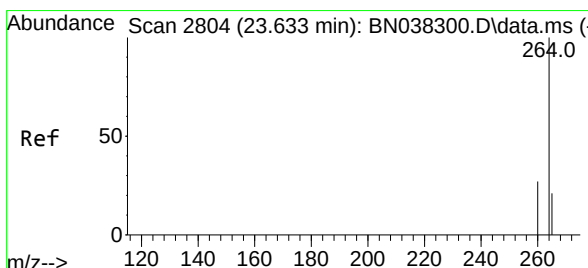
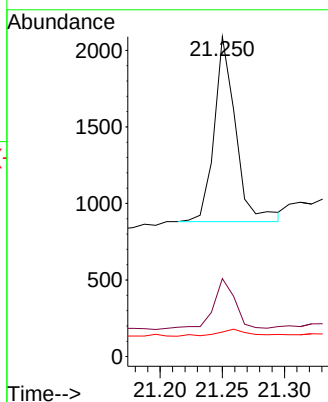
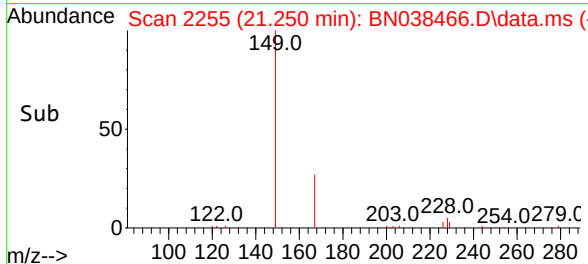
Instrument :
 BNA_N
 ClientSampleId :
 COAX0



Tgt Ion:149 Resp: 1454
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.4 32.0
 279 6.0 2.4 3.6

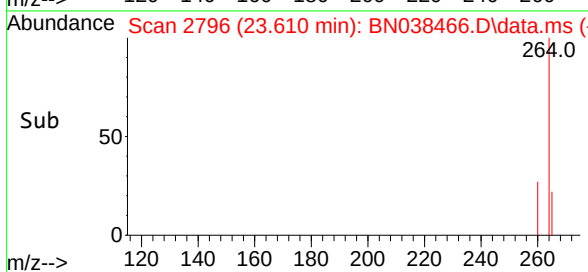
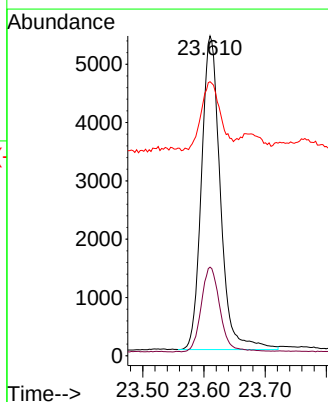
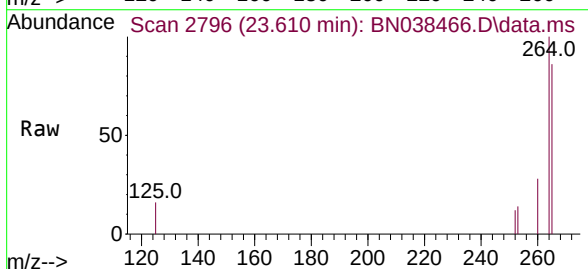
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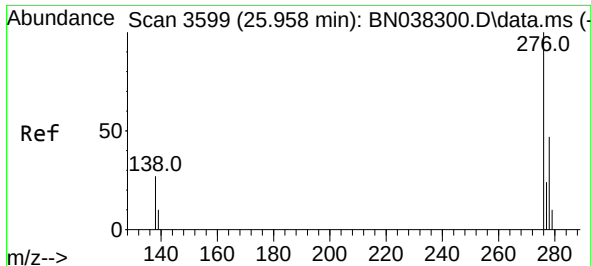
Reviewed By :Rahul Chavli 12/17/2025
 Supervised By :Jagrut Upadhyay 12/17/2025



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.610 min Scan# 2796
 Delta R.T. -0.023 min
 Lab File: BN038466.D
 Acq: 17 Dec 2025 06:13

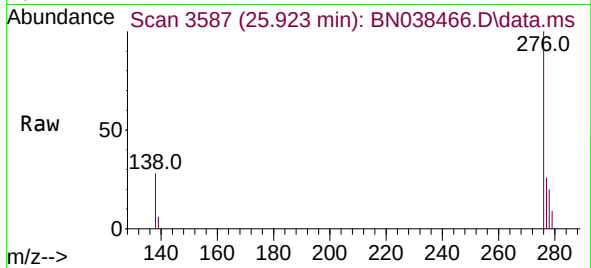
Tgt Ion:264 Resp: 11526
 Ion Ratio Lower Upper
 264 100
 260 27.7 22.2 33.2
 265 85.7 80.2 120.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.228 ng
RT: 25.923 min Scan# 3599
Delta R.T. -0.041 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

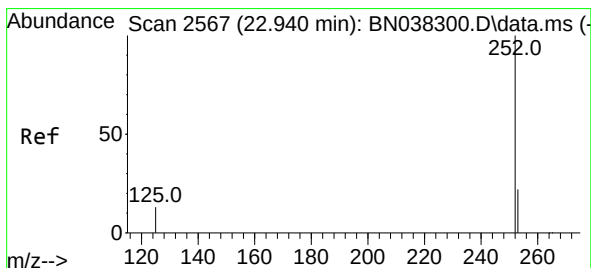
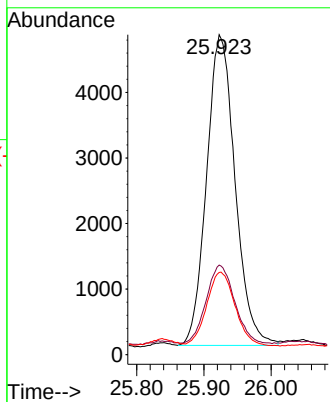
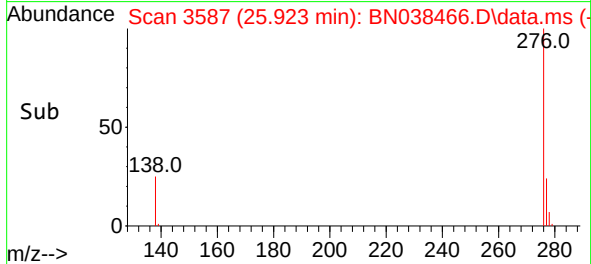
Instrument :
BNA_N
ClientSampleId :
C0AX0



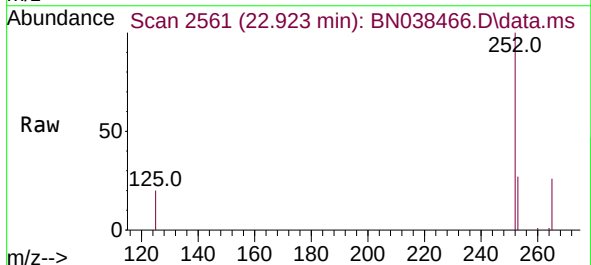
Tgt Ion:276 Resp: 13944
Ion Ratio Lower Upper
276 100
138 25.5 23.6 35.4
277 24.0 19.7 29.5

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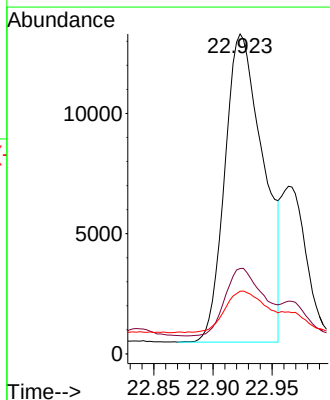
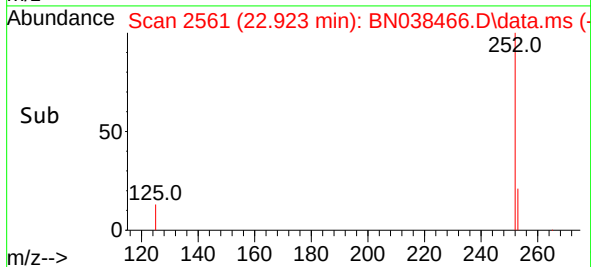
Reviewed By :Rahul Chavli 12/17/2025
Supervised By :Jagrut Upadhyay 12/17/2025

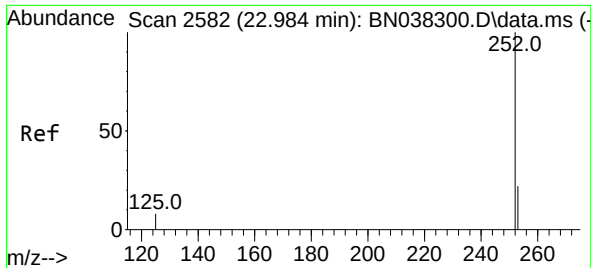


#37
Benzo(b)fluoranthene
Concen: 0.549 ng
RT: 22.923 min Scan# 2561
Delta R.T. -0.023 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13



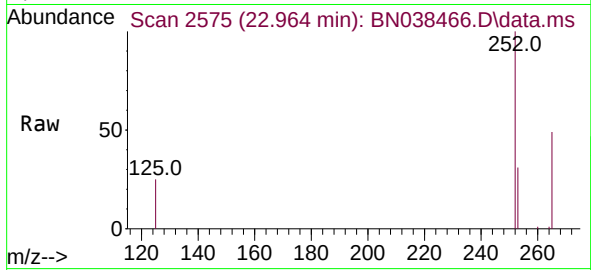
Tgt Ion:252 Resp: 29075
Ion Ratio Lower Upper
252 100
253 26.7 21.1 31.7
125 19.6 16.4 24.6





#38
Benzo(k)fluoranthene
Concen: 0.177 ng m
RT: 22.964 min Scan# 21
Delta R.T. -0.026 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

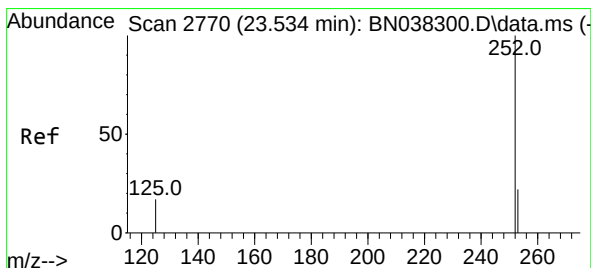
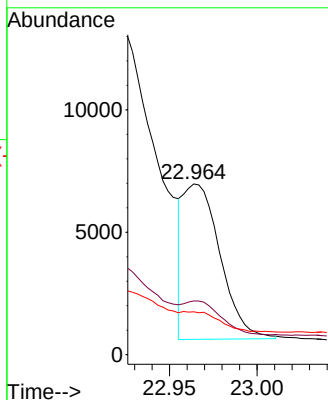
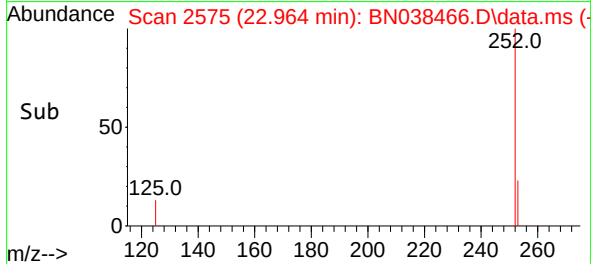
Instrument :
BNA_N
ClientSampleId :
C0AX0



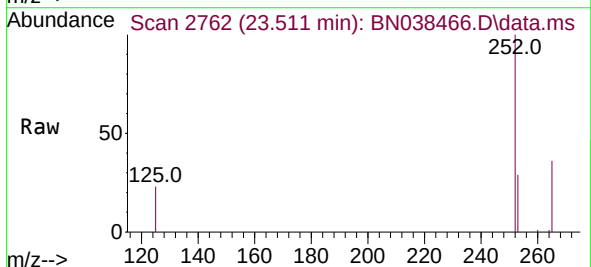
Tgt Ion:252 Resp: 932
Ion Ratio Lower Upper
252 100
253 31.5 21.4 32.0
125 25.1 16.2 24.2

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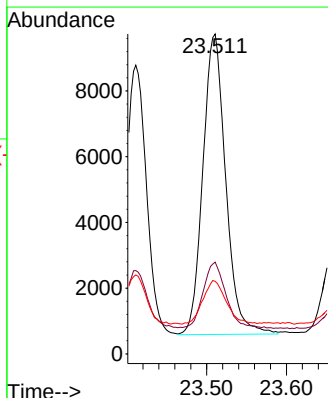
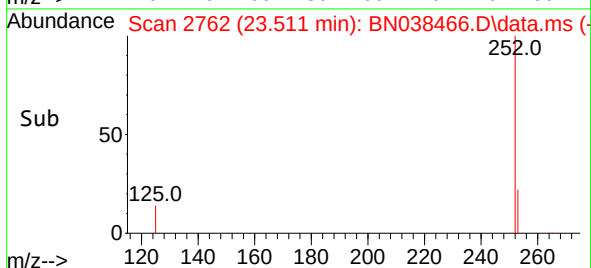
Reviewed By :Rahul Chavli 12/17/2025
Supervised By :Jagrut Upadhyay 12/17/2025

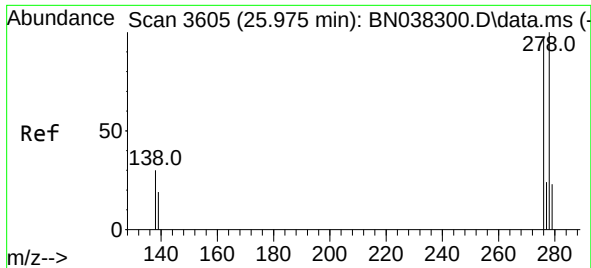


#39
Benzo(a)pyrene
Concen: 0.421 ng
RT: 23.511 min Scan# 2762
Delta R.T. -0.023 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13



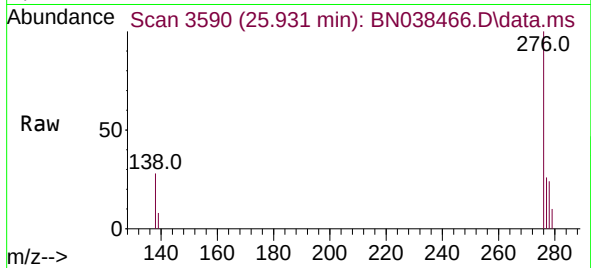
Tgt Ion:252 Resp: 18219
Ion Ratio Lower Upper
252 100
253 28.7 23.3 34.9
125 22.7 22.4 33.6





#40
Dibenzo(a,h)anthracene
Concen: 0.068 ng
RT: 25.931 min Scan# 3590
Delta R.T. -0.050 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13

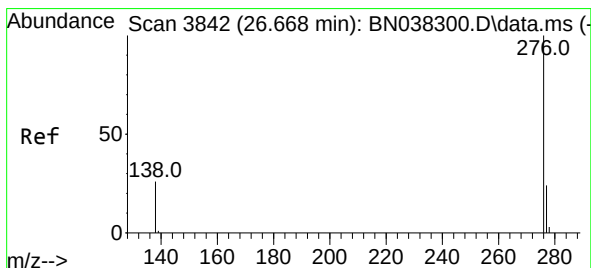
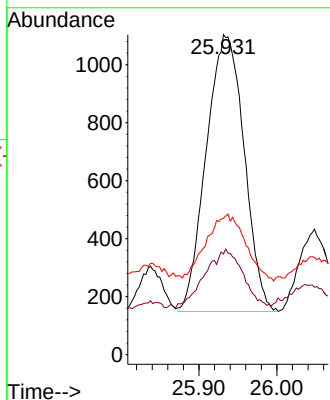
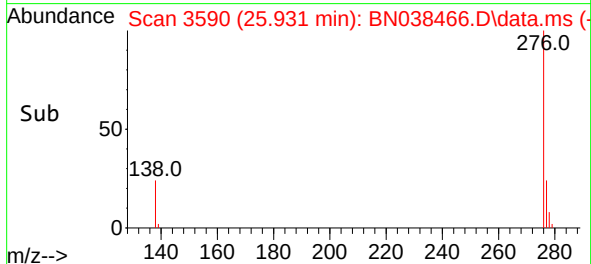
Instrument :
BNA_N
ClientSampleId :
C0AX0



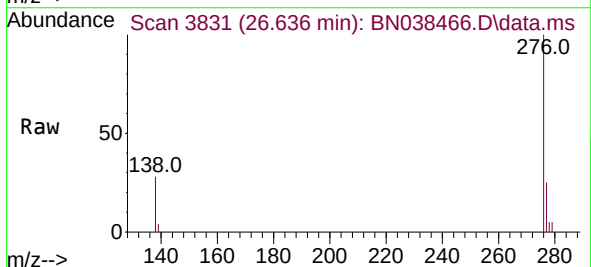
Tgt Ion:278 Resp: 3216
Ion Ratio Lower Upper
278 100
139 31.4 17.8 26.8
279 42.6 21.3 31.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/17/2025
Supervised By :Jagrut Upadhyay 12/17/2025



#41
Benzo(g,h,i)perylene
Concen: 0.292 ng
RT: 26.636 min Scan# 3831
Delta R.T. -0.041 min
Lab File: BN038466.D
Acq: 17 Dec 2025 06:13



Tgt Ion:276 Resp: 15403
Ion Ratio Lower Upper
276 100
277 25.2 20.0 30.0
138 27.8 21.8 32.6

