

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038418.D
 Acq On : 16 Dec 2025 00:29
 Operator : RC/JU
 Sample : Q3839-10DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN6DL

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

Quant Time: Dec 16 01:29:19 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	5077	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	14404	0.400	ng	#-0.02
13) Acenaphthene-d10	14.388	164	7763	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13879	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	11918	0.400	ng	0.00
35) Perylene-d12	23.616	264	12692	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	603	0.048	ng	0.00
5) Phenol-d6	6.879	99	656	0.044	ng	0.00
8) Nitrobenzene-d5	8.865	82	706	0.058	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	812	0.040	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	147	0.043	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	1738	0.046	ng	0.00
27) Fluoranthene-d10	19.174	212	1219	0.036	ng	-0.01
31) Terphenyl-d14	19.777	244	1327	0.050	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.562	128	59977	1.409	ng	99
12) 2-Methylnaphthalene	12.187	142	53269	1.971	ng	99
16) Acenaphthylene	14.099	152	1661	0.044	ng	# 37
17) Acenaphthene	14.441	154	2047	0.077	ng	# 70
18) Fluorene	15.435	166	3770	0.110	ng	# 78
25) Phenanthrene	17.173	178	41246	0.854	ng	98
26) Anthracene	17.273	178	2823m	0.068	ng	
28) Fluoranthene	19.206	202	25013	0.487	ng	99
30) Pyrene	19.568	202	23084	0.393	ng	97
32) Benzo(a)anthracene	21.313	228	10153	0.221	ng	# 93
33) Chrysene	21.366	228	14992m	0.296	ng	
34) Bis(2-ethylhexyl)phtha...	21.259	149	2045	0.081	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.931	276	5894	0.088	ng	95
37) Benzo(b)fluoranthene	22.929	252	15301	0.262	ng	# 80
38) Benzo(k)fluoranthene	22.970	252	4900m	0.084	ng	
39) Benzo(a)pyrene	23.513	252	8117	0.170	ng	# 74
40) Dibenzo(a,h)anthracene	25.940	278	2078	0.040	ng	# 21
41) Benzo(g,h,i)perylene	26.642	276	9078	0.156	ng	95

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

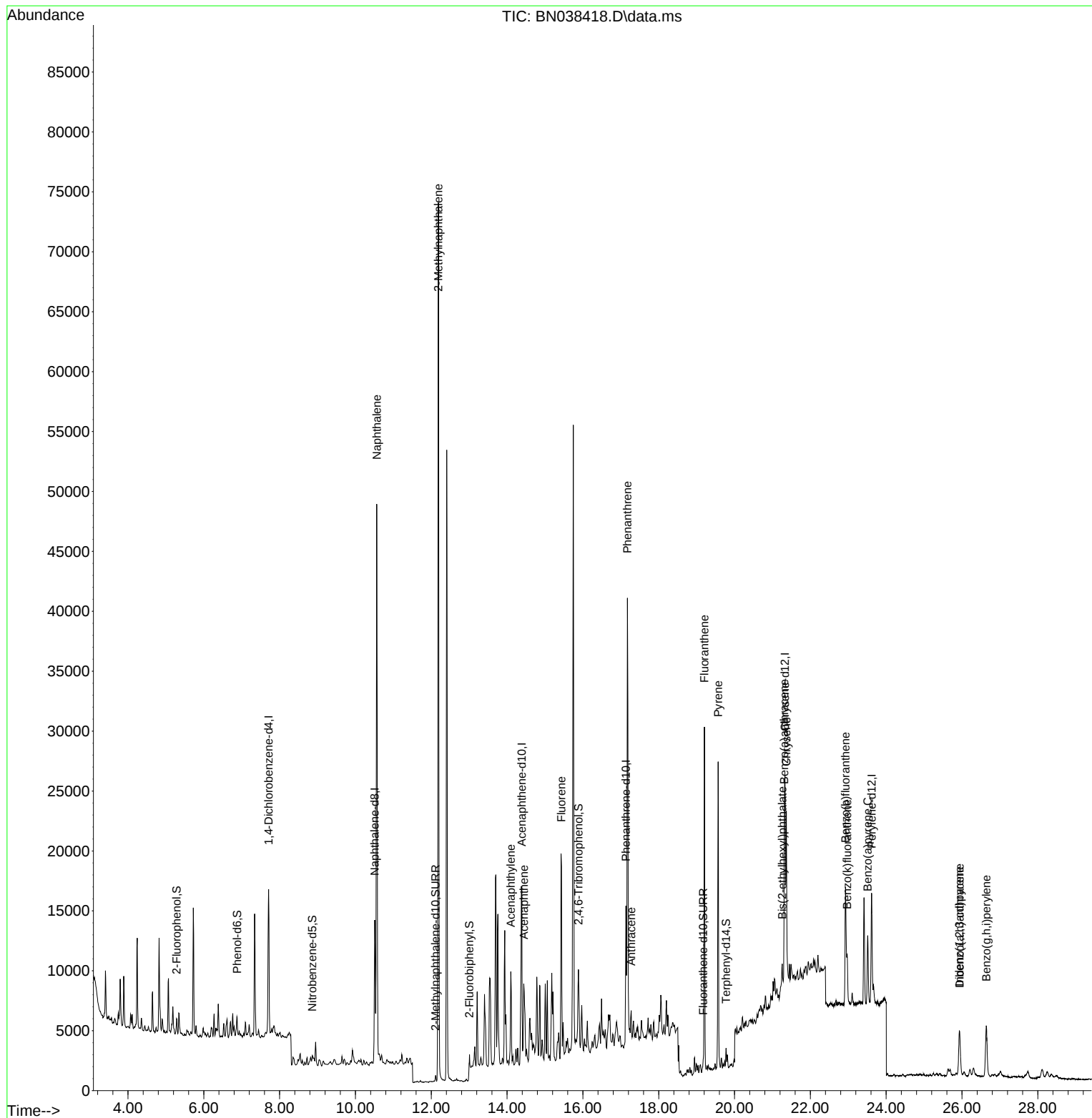
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
Data File : BN038418.D
Acq On : 16 Dec 2025 00:29
Operator : RC/JU
Sample : Q3839-10DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

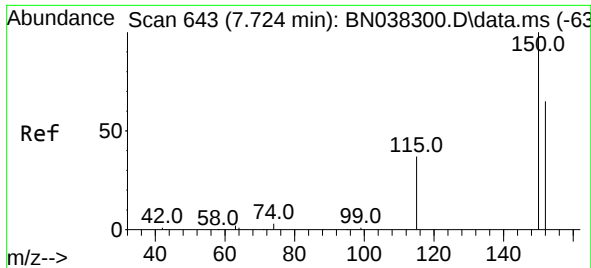
Instrument :
BNA_N
ClientSampleId :
C0AN6DL

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Supervised By :Jagrut Upadhyay 12/16/2025

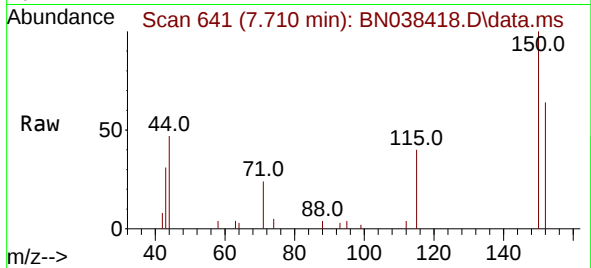
Quant Time: Dec 16 01:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 643
Delta R.T. -0.014 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

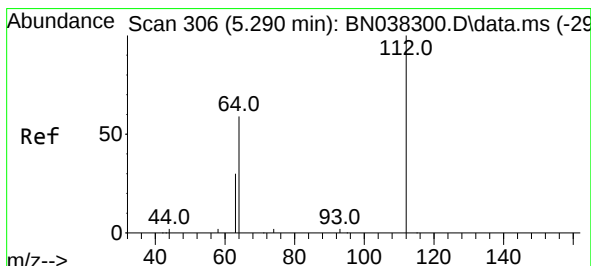
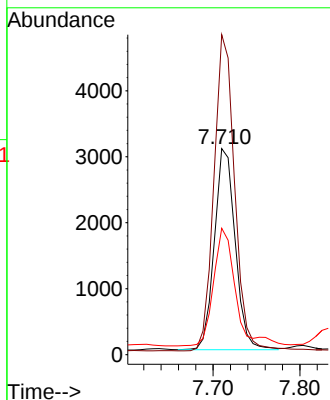
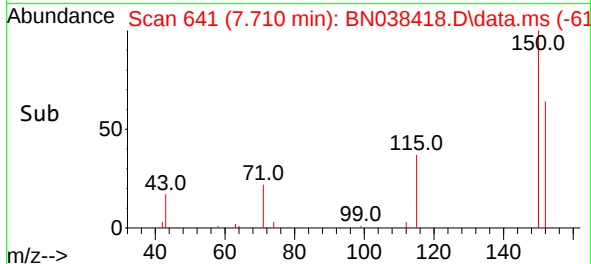
Instrument :
BNA_N
ClientSampleId :
COAN6DL



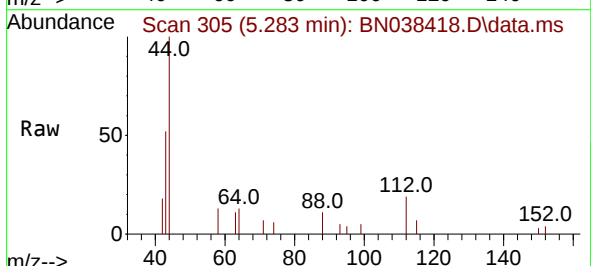
Tgt Ion:152 Resp: 507
Ion Ratio Lower Upper
152 100
150 155.3 122.4 183.6
115 61.4 47.3 70.9

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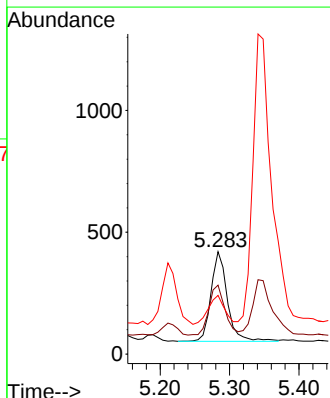
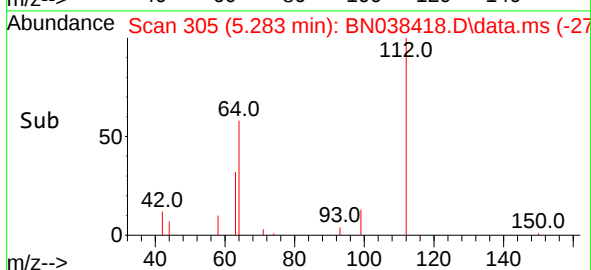
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

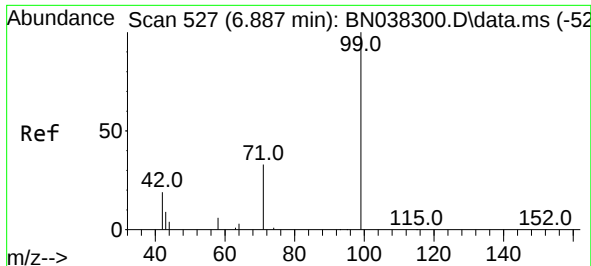


#4
2-Fluorophenol
Concen: 0.048 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29



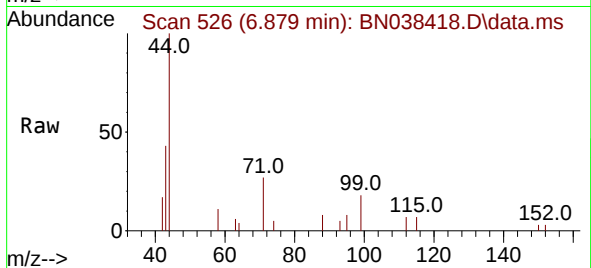
Tgt Ion:112 Resp: 603
Ion Ratio Lower Upper
112 100
64 55.9 44.4 66.6
63 31.7 23.4 35.0





#5
Phenol-d6
Concen: 0.044 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

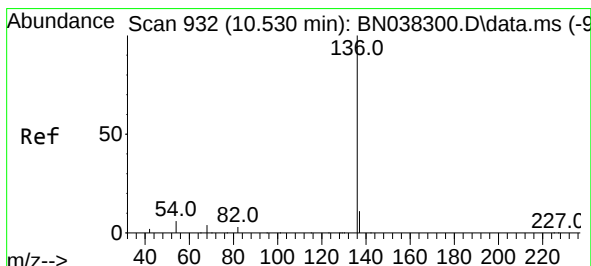
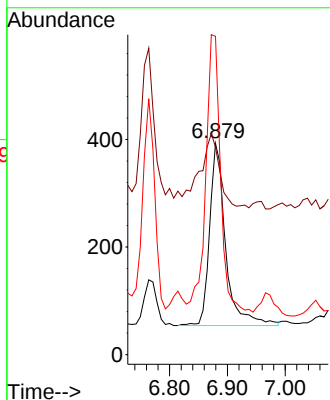
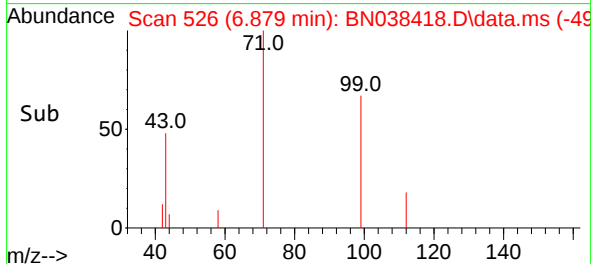
Instrument :
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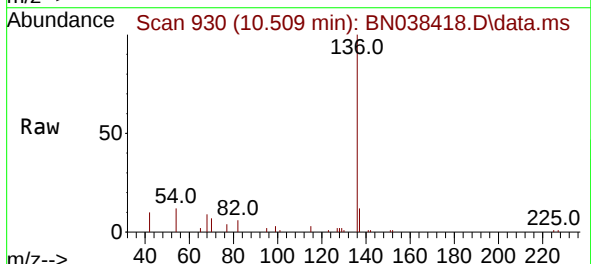
Tgt Ion: 99 Resp: 650
Ion Ratio Lower Upper
99 100
42 46.0 16.5 24.7
71 139.3 24.9 37.3

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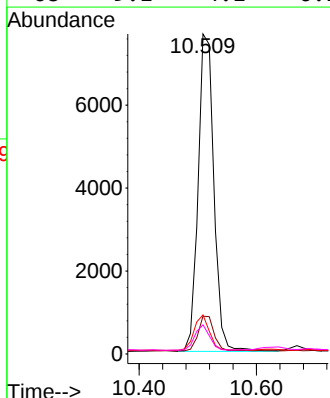
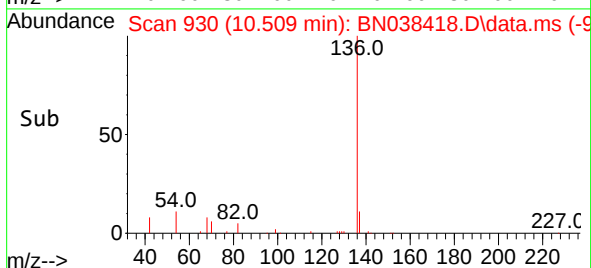
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. -0.021 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29



Tgt Ion:136 Resp: 14404
Ion Ratio Lower Upper
136 100
137 11.8 9.1 13.7
54 12.2 5.2 7.8#
68 9.1 4.1 6.1#





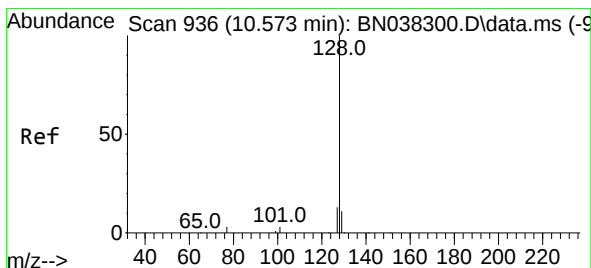
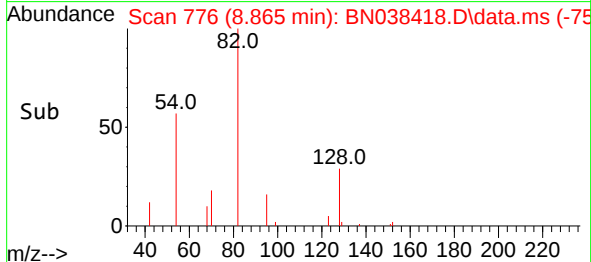
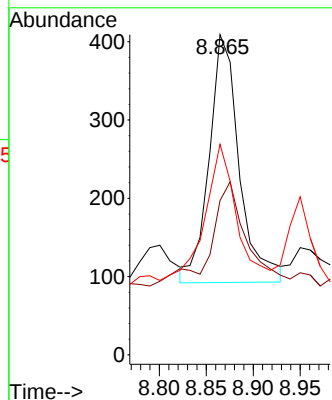
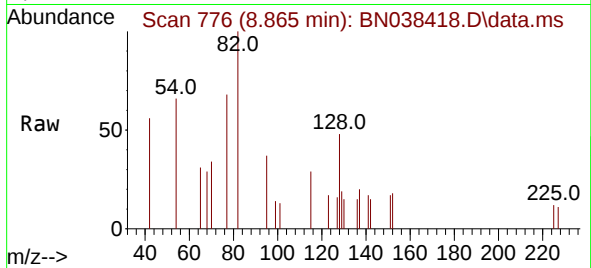
#8
Nitrobenzene-d5
Concen: 0.058 ng
RT: 8.865 min Scan# 777
Delta R.T. -0.011 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

Instrument :
BNA_N
ClientSampleId :
C0AN6DL

Tgt Ion: 82 Resp: 700
Ion Ratio Lower Upper
82 100
128 48.2 34.0 51.0
54 65.8 44.4 66.6

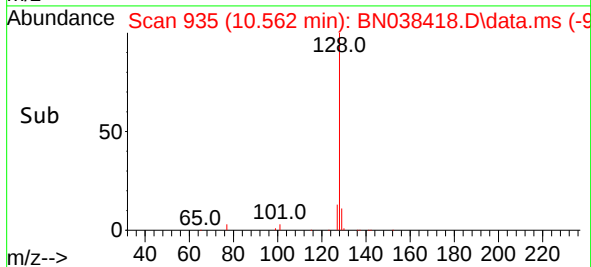
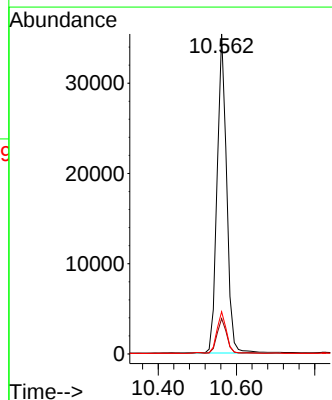
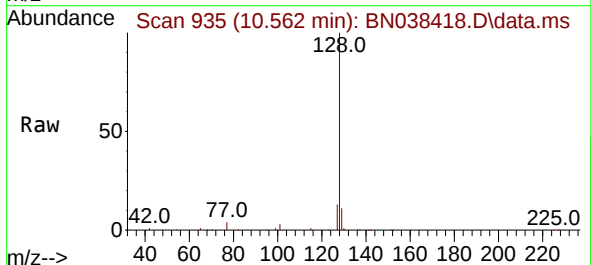
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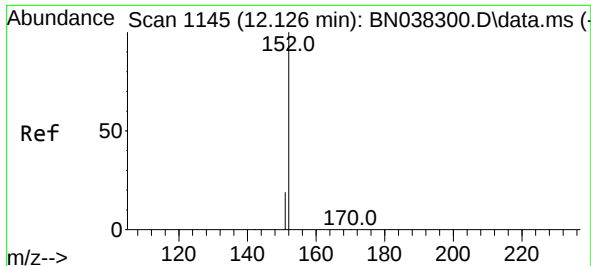
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#9
Naphthalene
Concen: 1.409 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

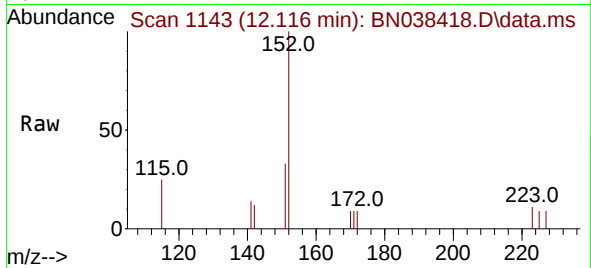
Tgt Ion:128 Resp: 59977
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.2 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.040 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

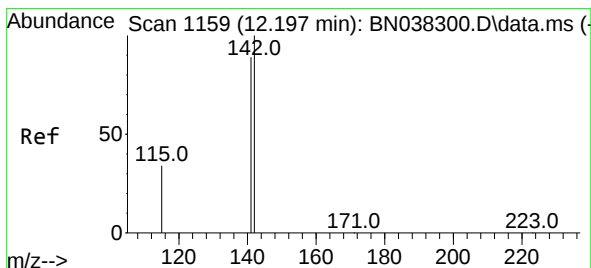
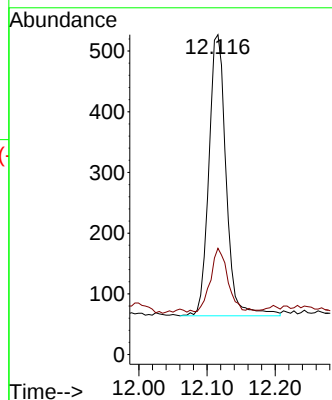
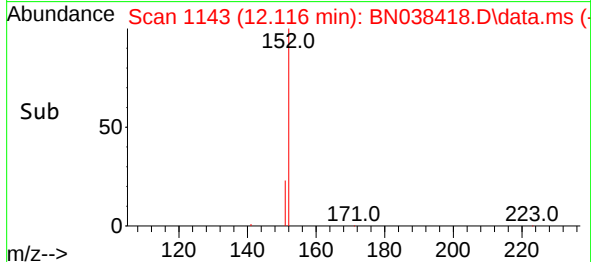
Instrument :
BNA_N
ClientSampleId :
C0AN6DL



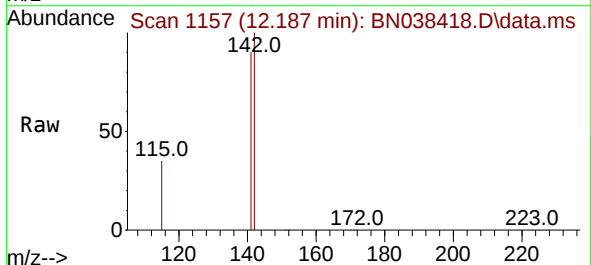
Tgt Ion:152 Resp: 812
Ion Ratio Lower Upper
152 100
151 22.2 17.0 25.6

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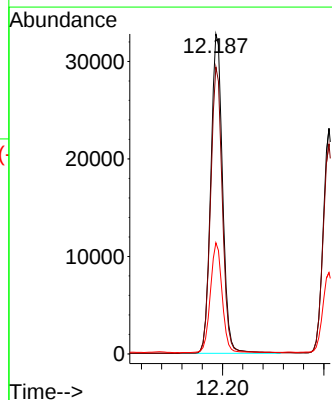
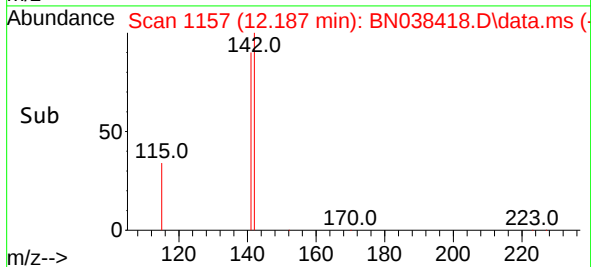
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

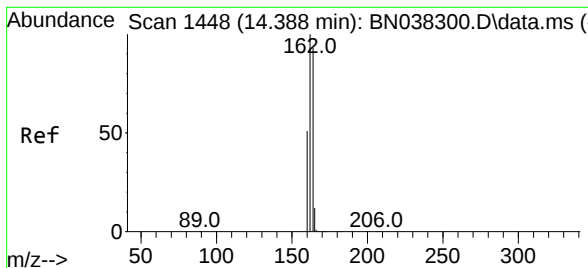


#12
2-Methylnaphthalene
Concen: 1.971 ng
RT: 12.187 min Scan# 1157
Delta R.T. -0.015 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29



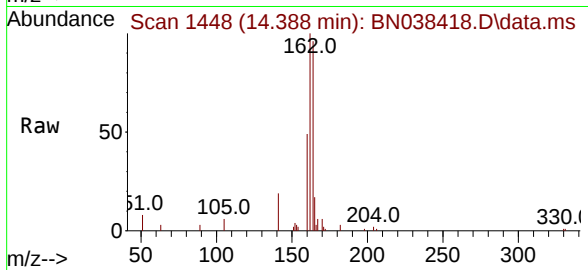
Tgt Ion:142 Resp: 53269
Ion Ratio Lower Upper
142 100
141 89.7 71.4 107.2
115 34.7 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

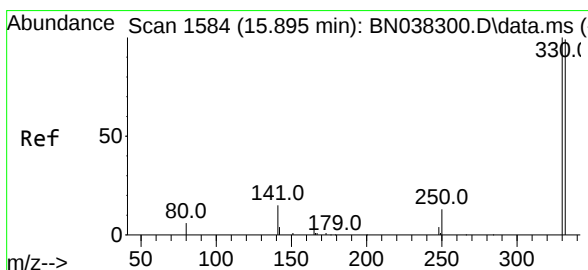
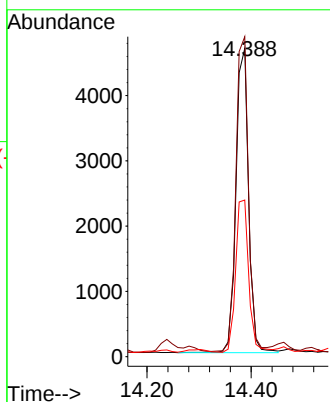
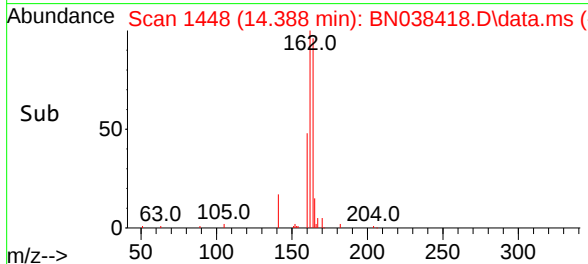
Instrument :
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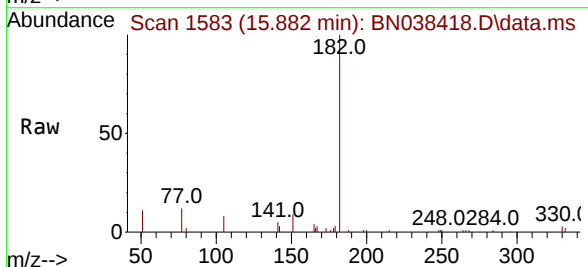
Tgt Ion:164 Resp: 776
Ion Ratio Lower Upper
164 100
162 103.8 86.2 129.4
160 50.8 44.6 67.0

Manual Integrations
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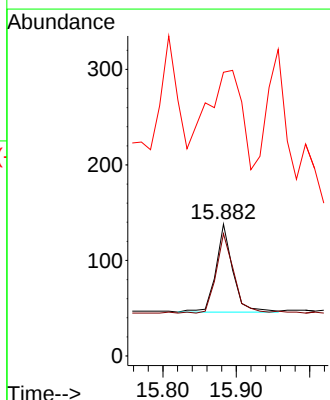
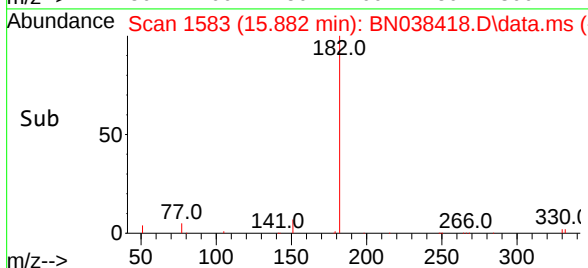
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#14
2,4,6-Tribromophenol
Concen: 0.043 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29



Tgt Ion:330 Resp: 147
Ion Ratio Lower Upper
330 100
332 95.9 75.8 113.6
141 251.7 31.8 47.8#





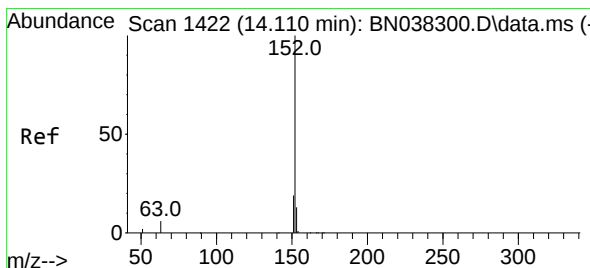
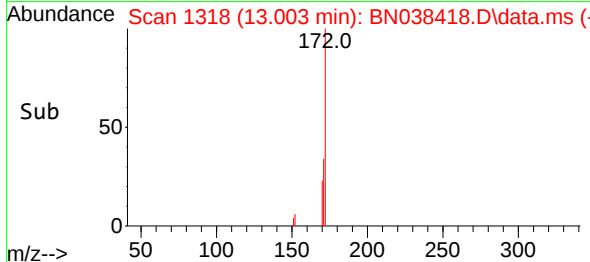
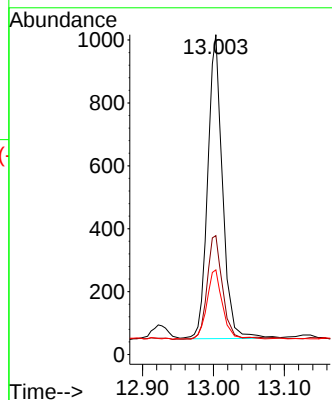
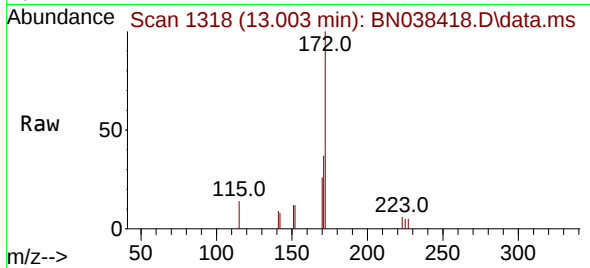
#15
2-Fluorobiphenyl
Concen: 0.046 ng
RT: 13.003 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

Instrument :
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ClientSampleId :
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Tgt Ion:	172	Resp:	1738
Ion Ratio	Lower	Upper	
172	100		
171	37.2	28.6	42.8
170	26.5	19.3	28.9

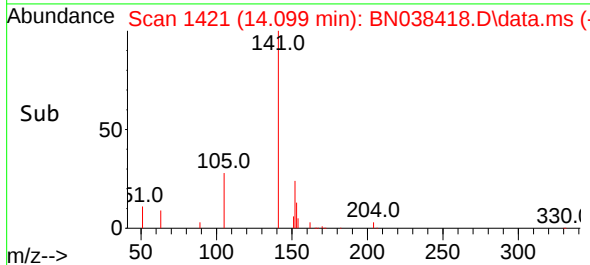
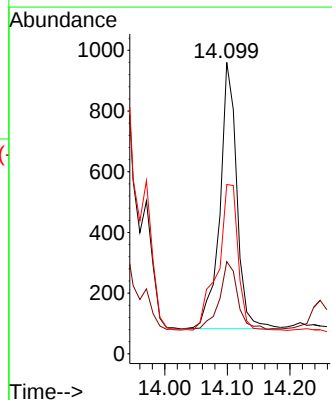
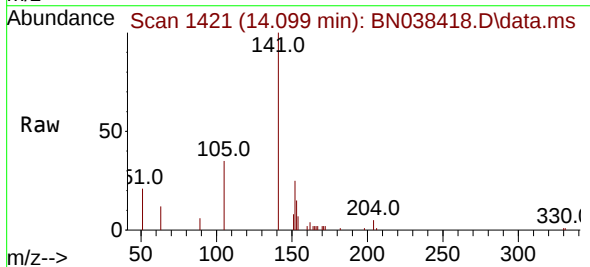
Manual Integrations
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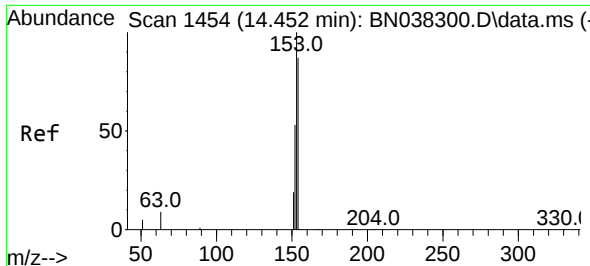
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#16
Acenaphthylene
Concen: 0.044 ng
RT: 14.099 min Scan# 1421
Delta R.T. -0.011 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

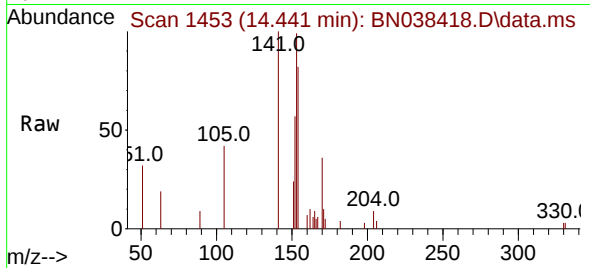
Tgt Ion:	152	Resp:	1661
Ion Ratio	Lower	Upper	
152	100		
151	26.6	15.4	23.2#
153	65.9	10.2	15.4#





#17
Acenaphthene
Concen: 0.077 ng
RT: 14.441 min Scan# 1453
Delta R.T. -0.021 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

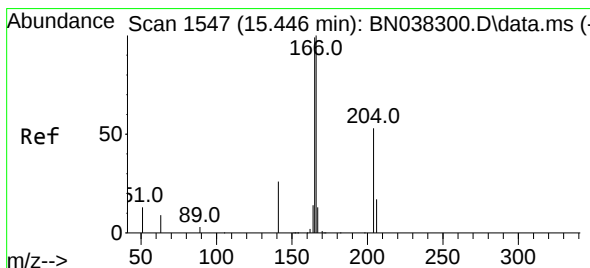
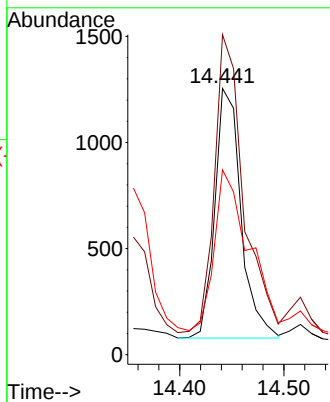
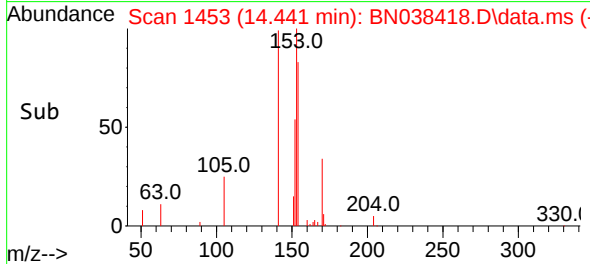
Instrument :
BNA_N
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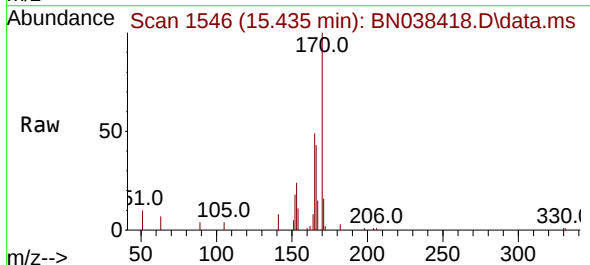
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Ion Ratio Lower Upper
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153 132.1 89.8 134.8
152 97.3 47.5 71.3

Manual Integrations
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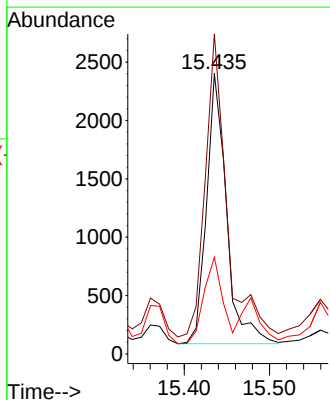
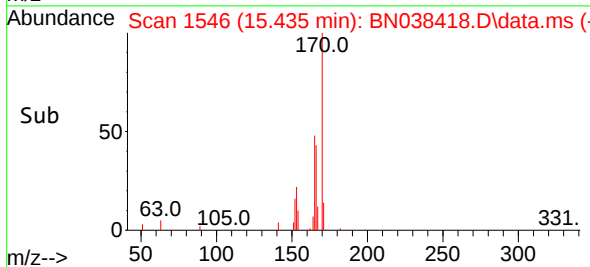
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

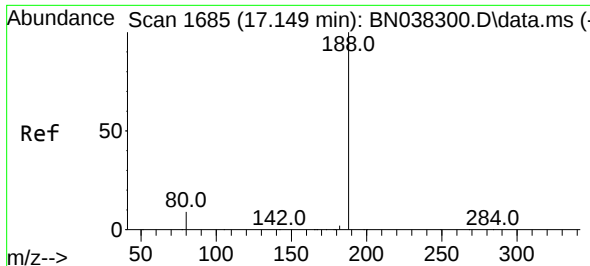


#18
Fluorene
Concen: 0.110 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29



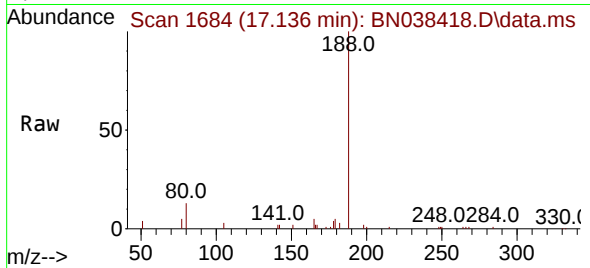
Tgt Ion:166 Resp: 3770
Ion Ratio Lower Upper
166 100
165 119.9 80.2 120.4
167 30.2 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

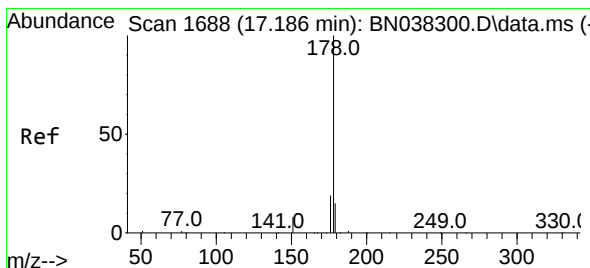
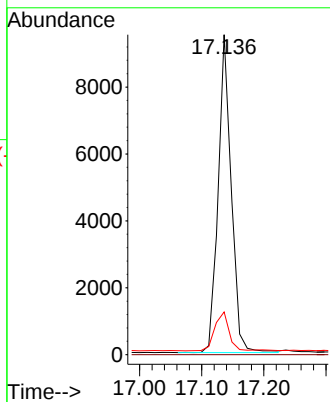
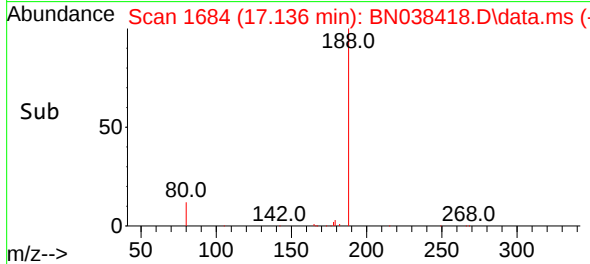
Instrument :
BNA_N
ClientSampleId :
COAN6DL



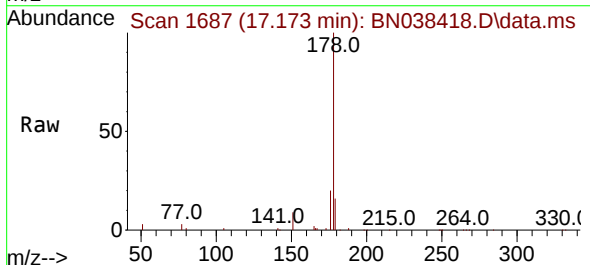
Tgt Ion:188 Resp: 13879
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.3 7.4 11.0

Manual Integrations
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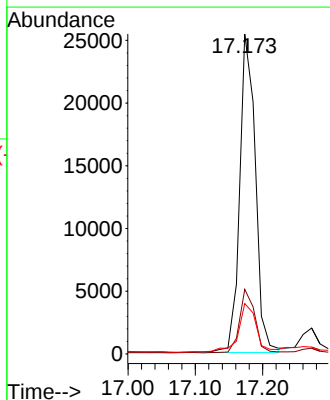
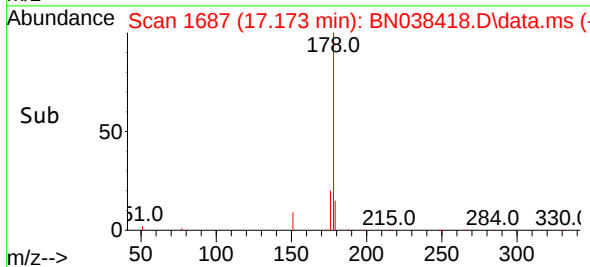
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

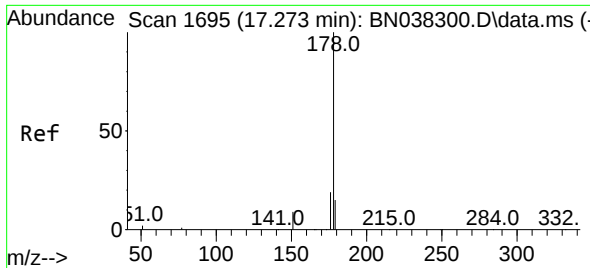


#25
Phenanthrene
Concen: 0.854 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29



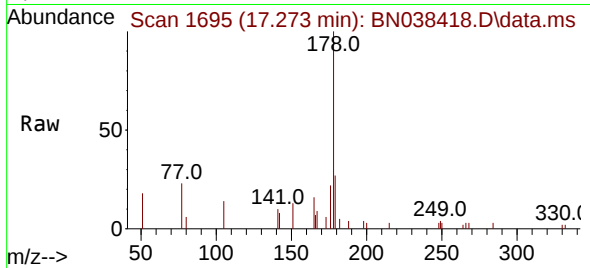
Tgt Ion:178 Resp: 41246
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 17.4 12.2 18.2





#26
 Anthracene
 Concen: 0.068 ng m
 RT: 17.273 min Scan# 1695
 Delta R.T. -0.012 min
 Lab File: BN038418.D
 Acq: 16 Dec 2025 00:29

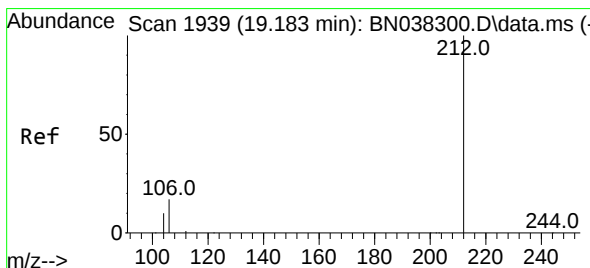
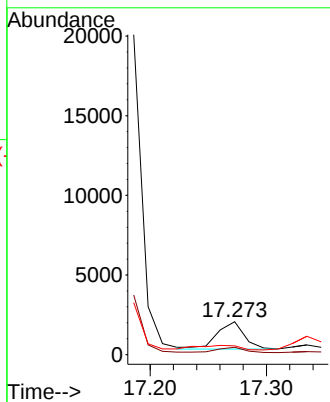
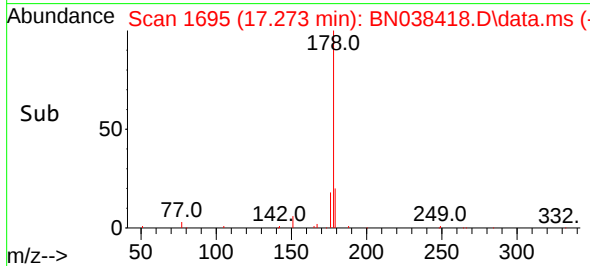
Instrument :
 BNA_N
 ClientSampleId :
 C0AN6DL



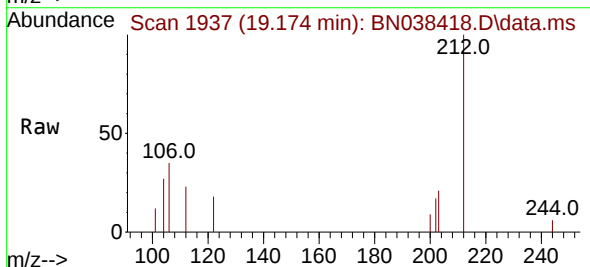
Tgt Ion:178 Resp: 282.0
 Ion Ratio Lower Upper
 178 100
 176 281.3 15.1 22.7
 179 244.6 12.0 18.0

Manual Integrations
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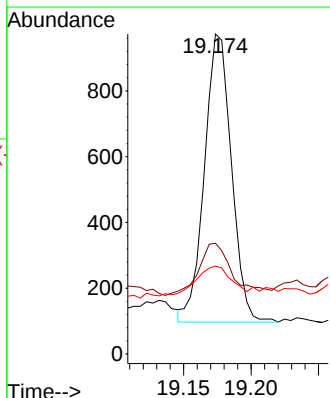
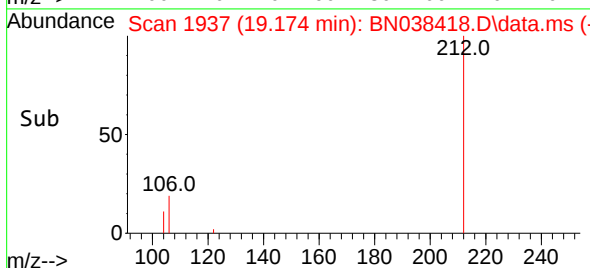
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

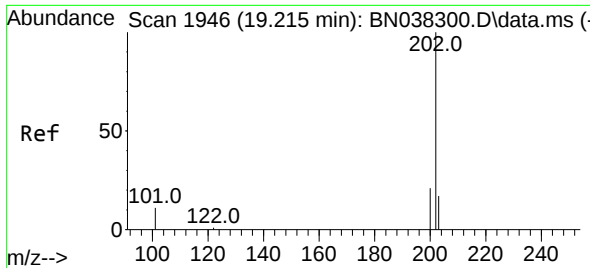


#27
 Fluoranthene-d10
 Concen: 0.036 ng
 RT: 19.174 min Scan# 1937
 Delta R.T. -0.014 min
 Lab File: BN038418.D
 Acq: 16 Dec 2025 00:29



Tgt Ion:212 Resp: 1219
 Ion Ratio Lower Upper
 212 100
 106 22.7 13.7 20.5#
 104 13.4 7.8 11.8#





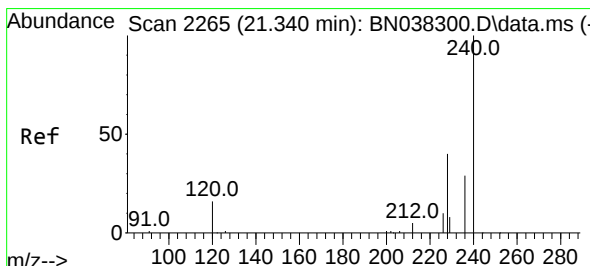
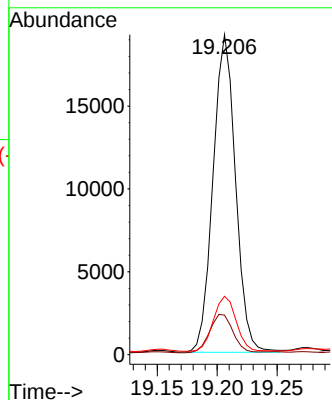
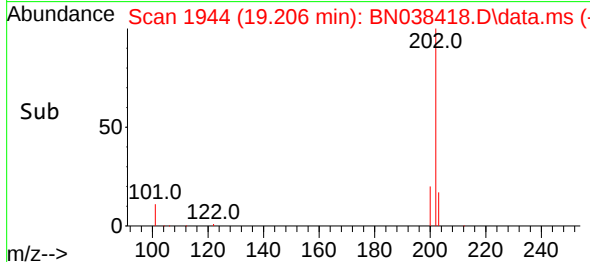
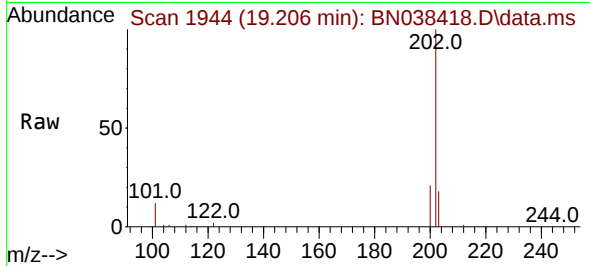
#28
Fluoranthene
Concen: 0.487 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

Instrument :
BNA_N
ClientSampleId :
COAN6DL

Tgt Ion:202 Resp: 2501
Ion Ratio Lower Upper
202 100
101 12.5 9.6 14.4
203 17.5 13.5 20.3

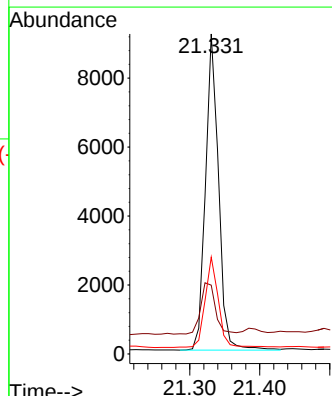
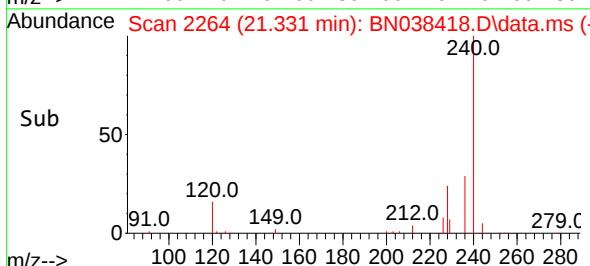
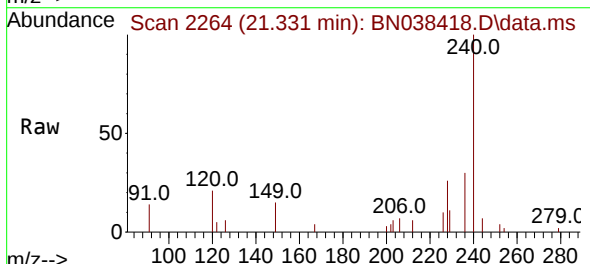
Manual Integrations
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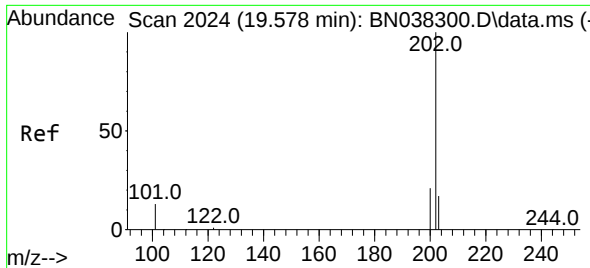
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

Tgt Ion:240 Resp: 11918
Ion Ratio Lower Upper
240 100
120 21.5 15.4 23.2
236 30.3 23.9 35.9





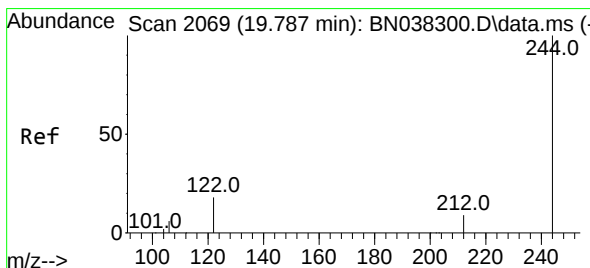
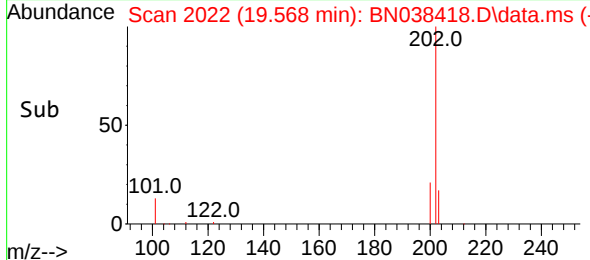
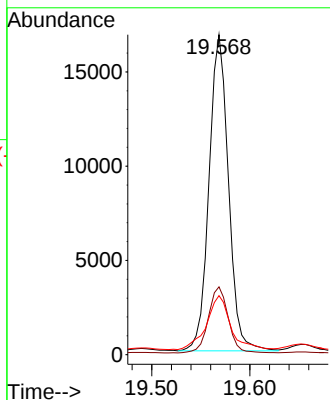
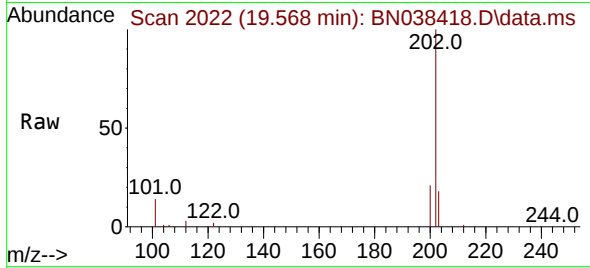
#30
 Pyrene
 Concen: 0.393 ng
 RT: 19.568 min Scan# 2022
 Delta R.T. -0.014 min
 Lab File: BN038418.D
 Acq: 16 Dec 2025 00:29

Instrument :
 BNA_N
 ClientSampleId :
 C0AN6DL

Tgt Ion:202 Resp: 23084
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.9 25.3
 203 20.9 14.2 21.2

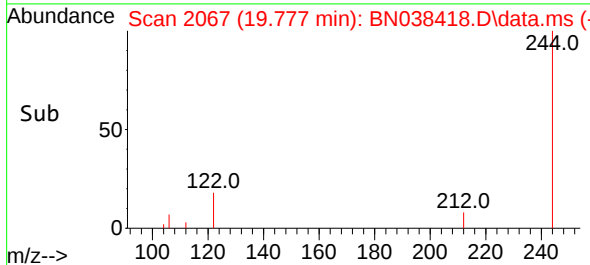
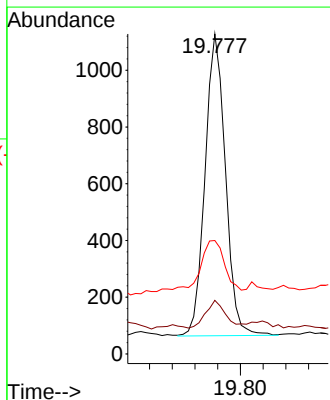
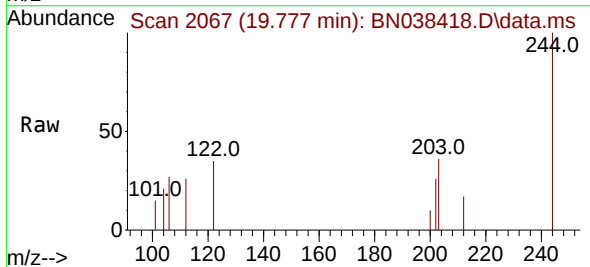
Manual Integrations
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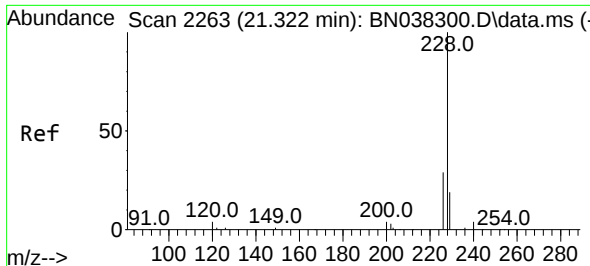
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025



#31
 Terphenyl-d14
 Concen: 0.050 ng
 RT: 19.777 min Scan# 2067
 Delta R.T. -0.014 min
 Lab File: BN038418.D
 Acq: 16 Dec 2025 00:29

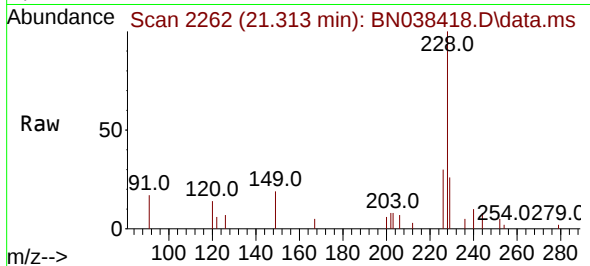
Tgt Ion:244 Resp: 1327
 Ion Ratio Lower Upper
 244 100
 212 16.8 7.9 11.9#
 122 35.5 15.0 22.6#





#32
Benzo(a)anthracene
Concen: 0.221 ng
RT: 21.313 min Scan# 2115
Delta R.T. -0.018 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

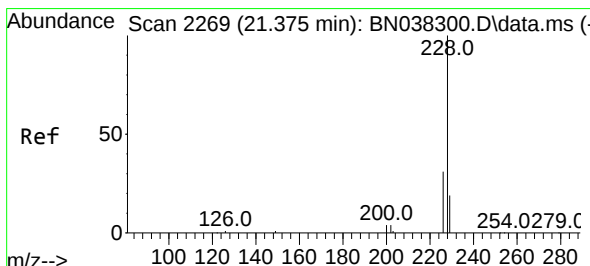
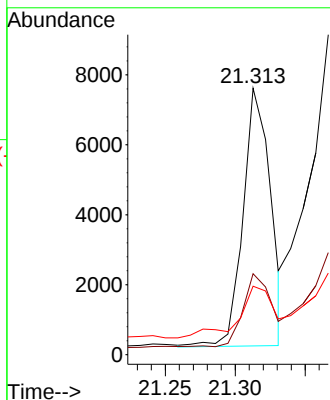
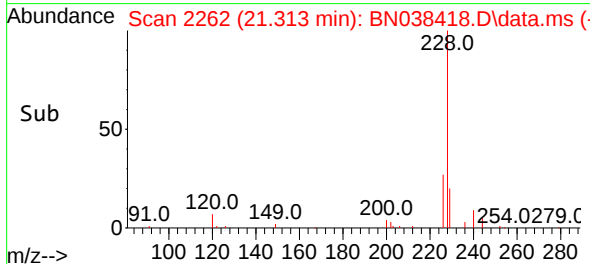
Instrument :
BNA_N
ClientSampleId :
C0AN6DL



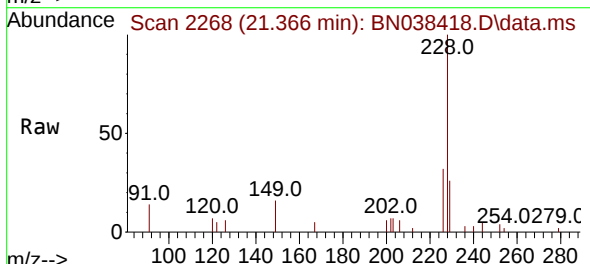
Tgt Ion:228 Resp: 1015
Ion Ratio Lower Upper
228 100
226 30.4 23.3 34.9
229 25.7 15.7 23.5

Manual Integrations
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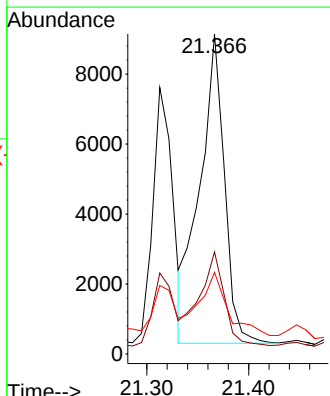
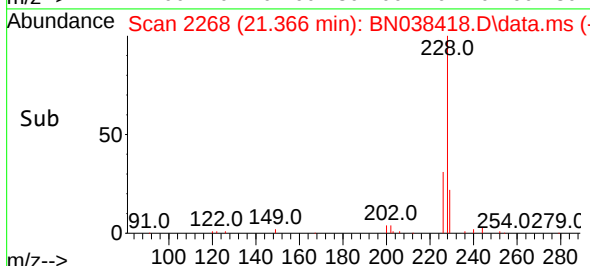
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

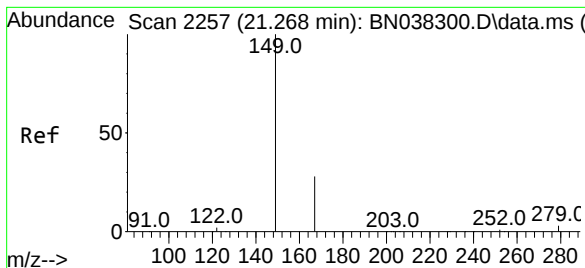


#33
Chrysene
Concen: 0.296 ng m
RT: 21.366 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29



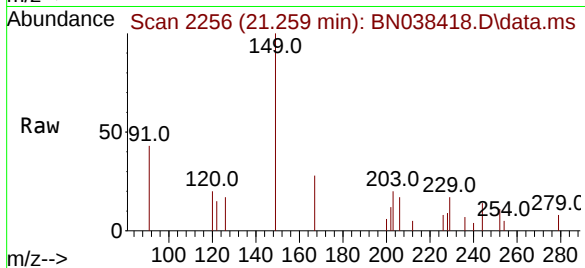
Tgt Ion:228 Resp: 14992
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.4
229 25.5 15.5 23.3#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.081 ng
RT: 21.259 min Scan# 21256
Delta R.T. -0.009 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

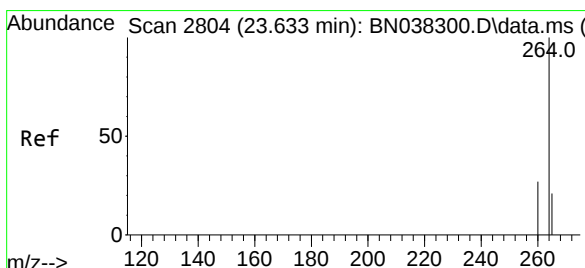
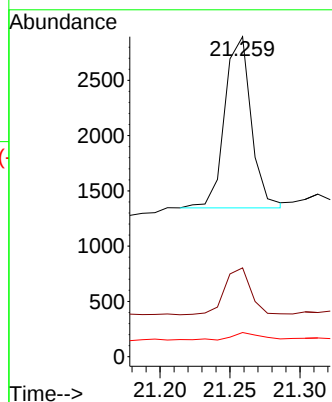
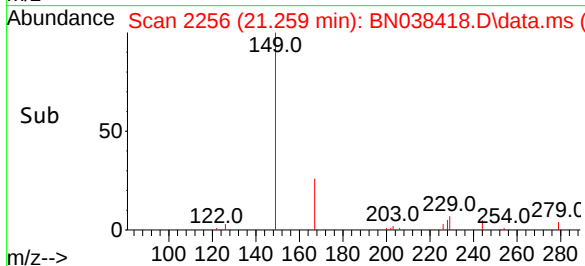
Instrument :
BNA_N
ClientSampleId :
COAN6DL



Tgt Ion:149 Resp: 2045
Ion Ratio Lower Upper
149 100
167 27.2 21.4 32.0
279 4.9 2.4 3.6

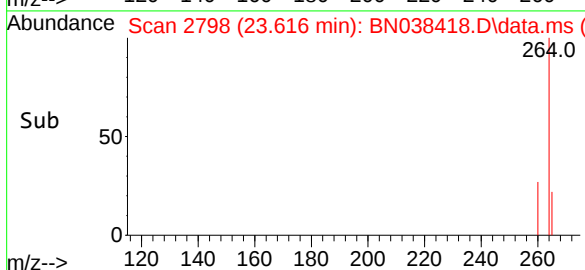
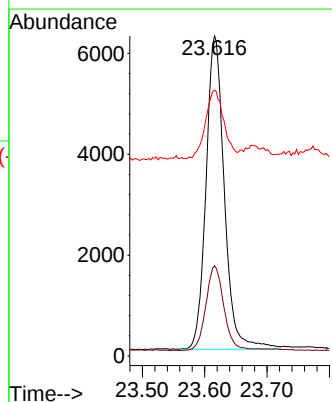
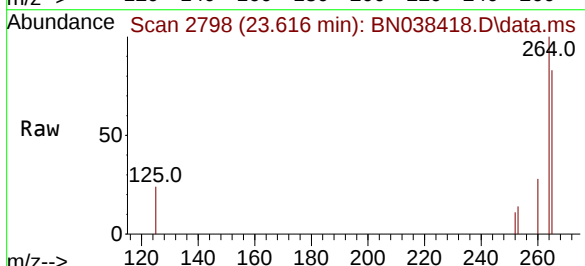
Manual Integrations
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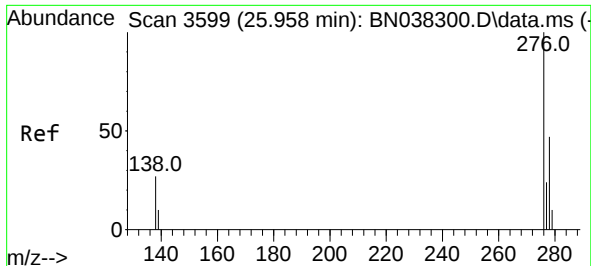
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.616 min Scan# 2798
Delta R.T. -0.017 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

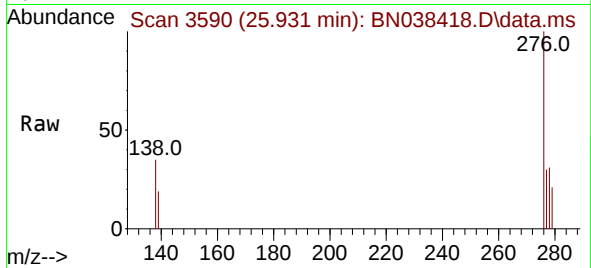
Tgt Ion:264 Resp: 12692
Ion Ratio Lower Upper
264 100
260 28.2 22.2 33.2
265 83.1 80.2 120.2





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.088 ng
 RT: 25.931 min Scan# 3599
 Delta R.T. -0.032 min
 Lab File: BN038418.D
 Acq: 16 Dec 2025 00:29

Instrument :
 BNA_N
 ClientSampleId :
 COAN6DL

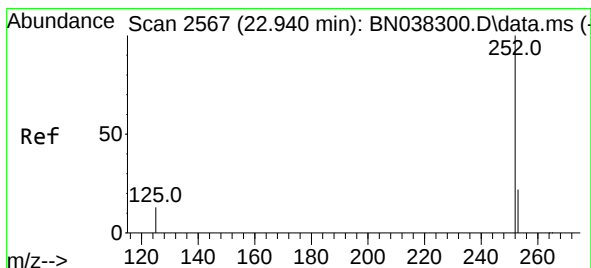
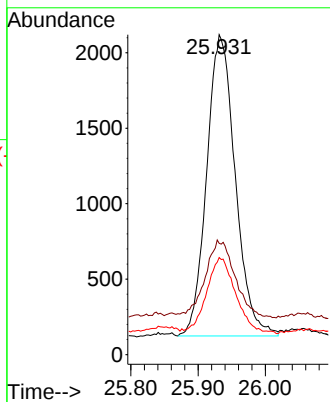
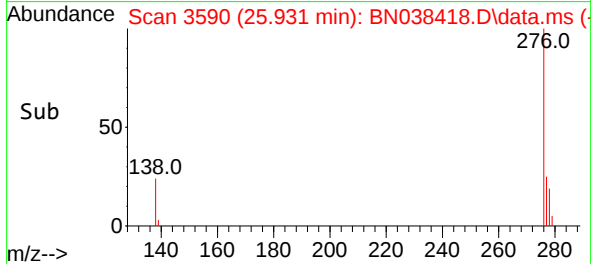


Tgt Ion: 276 Resp: 5894

Ion	Ratio	Lower	Upper
276	100		
138	25.4	23.6	35.4
277	23.8	19.7	29.5

Manual Integrations
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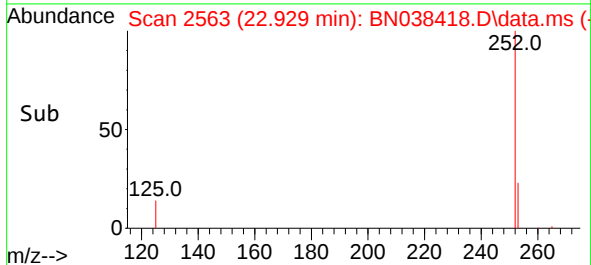
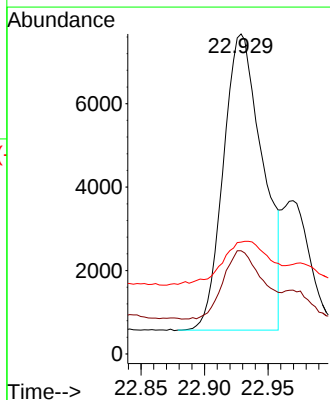
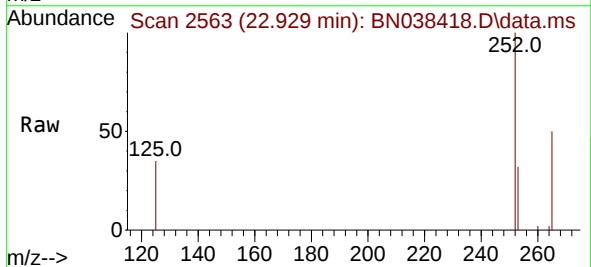
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

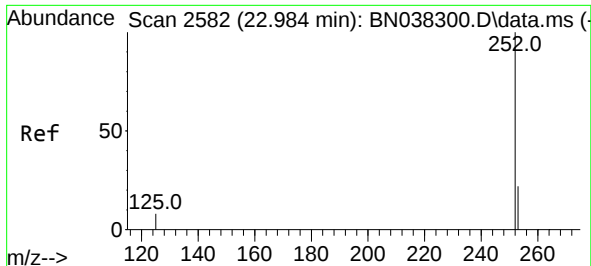


#37
 Benzo(b)fluoranthene
 Concen: 0.262 ng
 RT: 22.929 min Scan# 2563
 Delta R.T. -0.017 min
 Lab File: BN038418.D
 Acq: 16 Dec 2025 00:29

Tgt Ion: 252 Resp: 15301

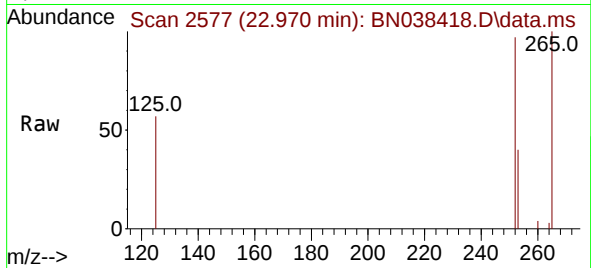
Ion	Ratio	Lower	Upper
252	100		
253	32.3	21.1	31.7#
125	34.9	16.4	24.6#





#38
Benzo(k)fluoranthene
Concen: 0.084 ng m
RT: 22.970 min Scan# 21
Delta R.T. -0.020 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

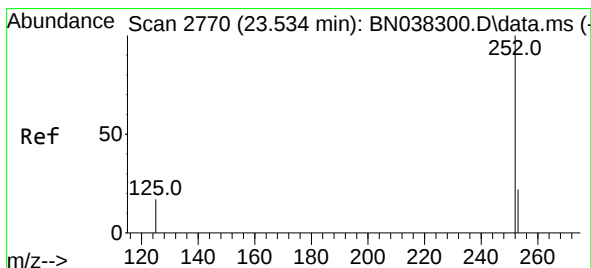
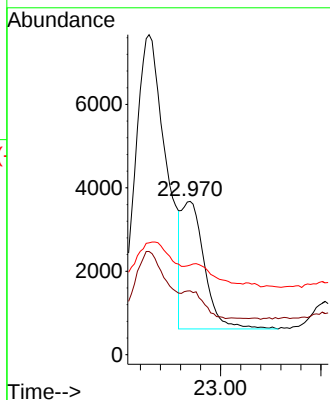
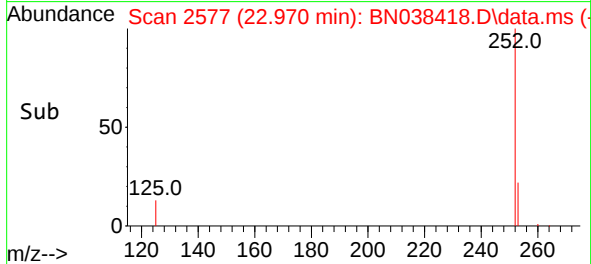
Instrument :
BNA_N
ClientSampleId :
COAN6DL



Tgt Ion:252 Resp: 4900
Ion Ratio Lower Upper
252 100
253 41.6 21.4 32.0#
125 58.5 16.2 24.2#

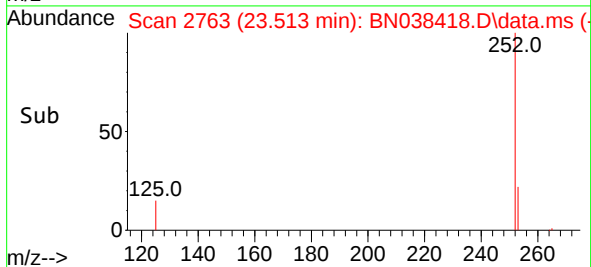
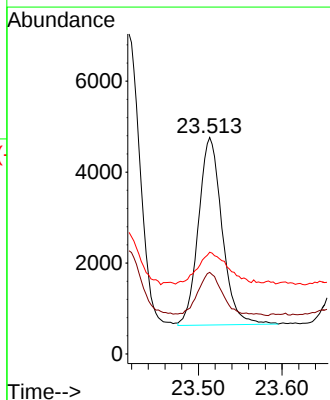
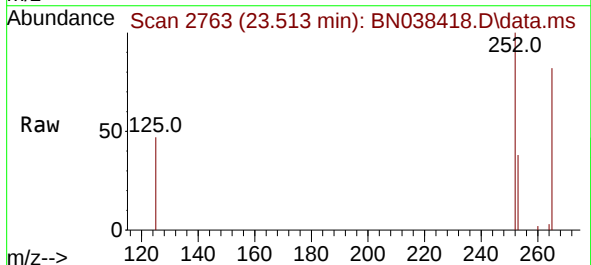
Manual Integrations
APPROVED

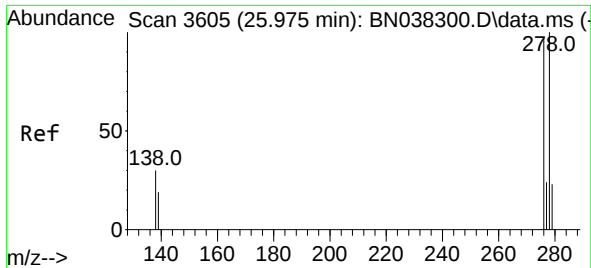
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#39
Benzo(a)pyrene
Concen: 0.170 ng
RT: 23.513 min Scan# 2763
Delta R.T. -0.020 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

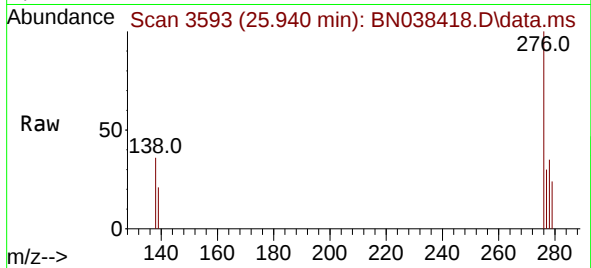
Tgt Ion:252 Resp: 8117
Ion Ratio Lower Upper
252 100
253 37.7 23.3 34.9#
125 47.0 22.4 33.6#





#40
Dibenzo(a,h)anthracene
Concen: 0.040 ng
RT: 25.940 min Scan# 31
Delta R.T. -0.041 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

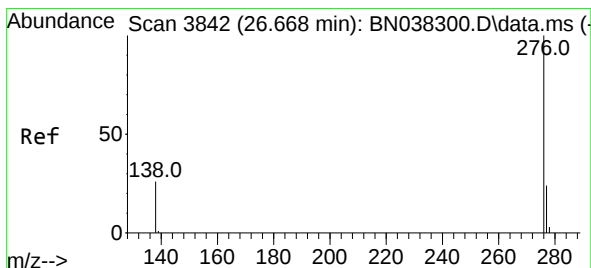
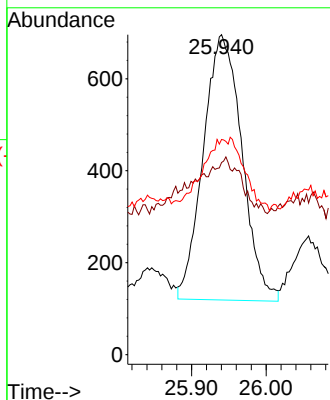
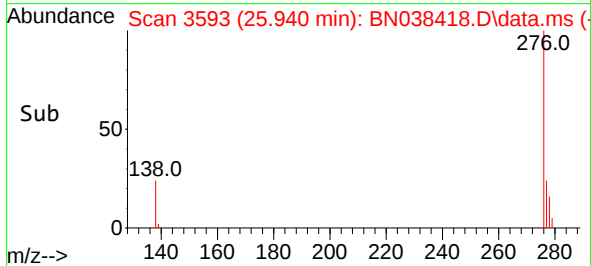
Instrument :
BNA_N
ClientSampleId :
C0AN6DL



Tgt Ion:278 Resp: 2078
Ion Ratio Lower Upper
278 100
139 60.1 17.8 26.8
279 67.2 21.3 31.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#41
Benzo(g,h,i)perylene
Concen: 0.156 ng
RT: 26.642 min Scan# 3833
Delta R.T. -0.035 min
Lab File: BN038418.D
Acq: 16 Dec 2025 00:29

Tgt Ion:276 Resp: 9078
Ion Ratio Lower Upper
276 100
277 26.7 20.0 30.0
138 30.9 21.8 32.6

