

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038411.D
 Acq On : 15 Dec 2025 18:57
 Operator : RC/JU
 Sample : Q3839-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS3

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 23:57:02 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	7.717	152	5444	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	15181	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8352	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	14297	0.400	ng	#-0.01
29) Chrysene-d12	21.340	240	12909	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	13015	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3512	0.259	ng	0.00
5) Phenol-d6	6.879	99	4026	0.250	ng	0.00
8) Nitrobenzene-d5	8.865	82	3417	0.267	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	5047	0.236	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	823	0.222	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	10559	0.262	ng	0.00
27) Fluoranthene-d10	19.178	212	7791	0.220	ng	0.00
31) Terphenyl-d14	19.777	244	6571	0.228	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.562	128	62898	1.402	ng	99
12) 2-Methylnaphthalene	12.192	142	56489	1.983	ng	98
16) Acenaphthylene	14.099	152	3446	0.084	ng	# 66
17) Acenaphthene	14.452	154	992	0.035	ng	# 30
18) Fluorene	15.435	166	2064	0.056	ng	# 91
25) Phenanthrene	17.173	178	101046	2.031	ng	99
26) Anthracene	17.273	178	6057m	0.141	ng	
28) Fluoranthene	19.206	202	53642	1.014	ng	96
30) Pyrene	19.568	202	58789	0.925	ng	97
32) Benzo(a)anthracene	21.322	228	38552	0.773	ng	95
33) Chrysene	21.366	228	60679	1.105	ng	97
34) Bis(2-ethylhexyl)phtha...	21.259	149	2164	0.079	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.940	276	13950	0.202	ng	95
37) Benzo(b)fluoranthene	22.935	252	27712	0.464	ng	96
38) Benzo(k)fluoranthene	22.975	252	10431m	0.175	ng	
39) Benzo(a)pyrene	23.522	252	17321	0.354	ng	95
40) Dibenzo(a,h)anthracene	25.949	278	3743	0.070	ng	# 65
41) Benzo(g,h,i)perylene	26.648	276	15429	0.259	ng	99

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

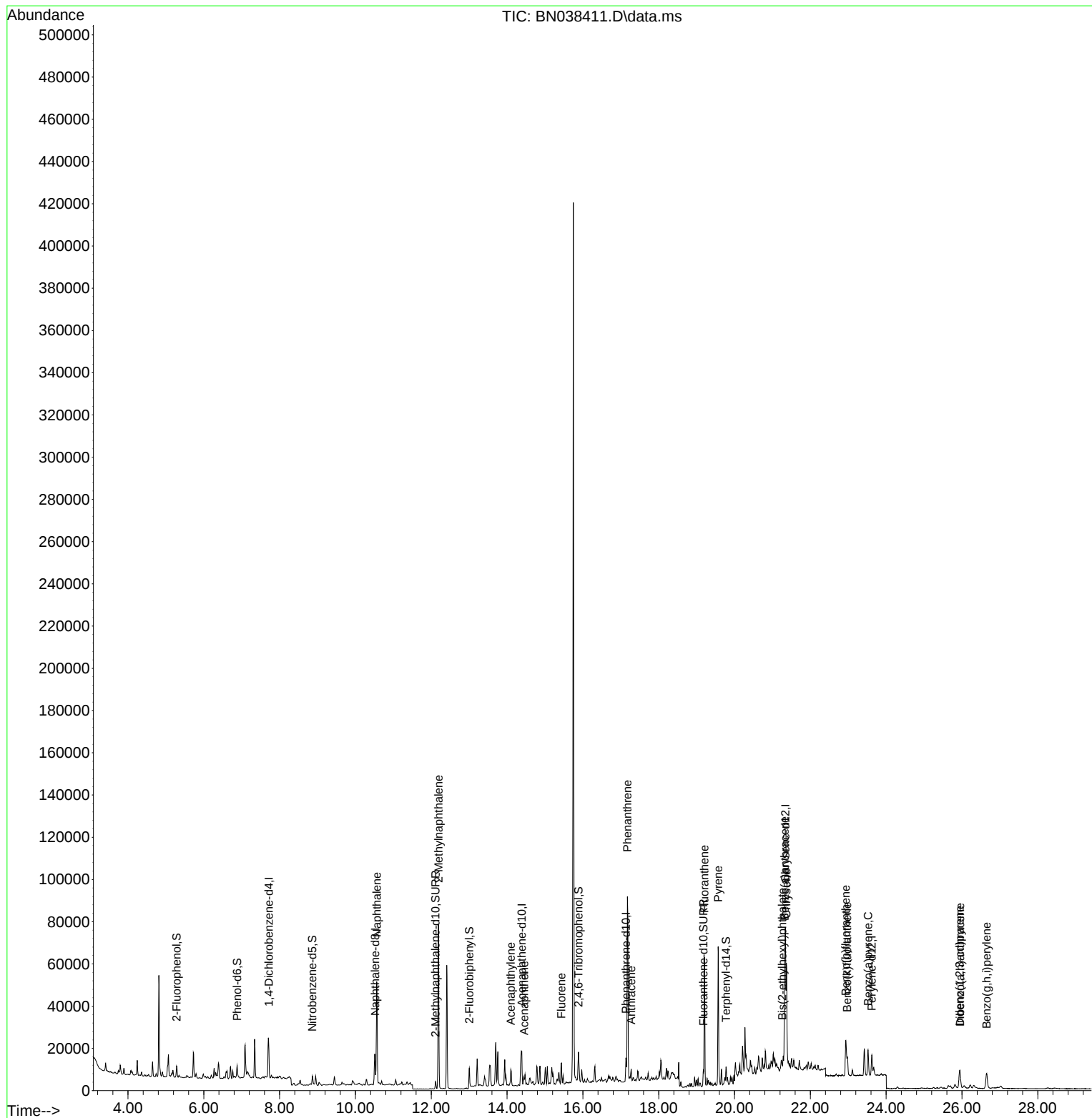
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
Data File : BN038411.D
Acq On : 15 Dec 2025 18:57
Operator : RC/JU
Sample : Q3839-14
Misc :
ALS Vial : 15 Sample Multiplier: 1

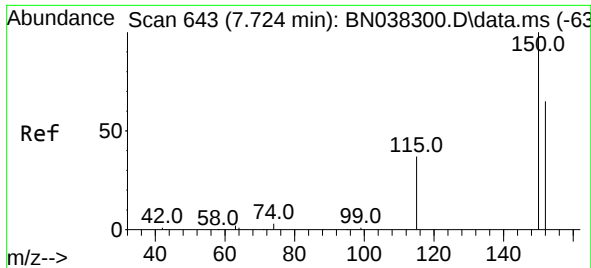
Instrument :
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ClientSampleId :
C0AS3

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Supervised By :Jagrut Upadhyay 12/16/2025

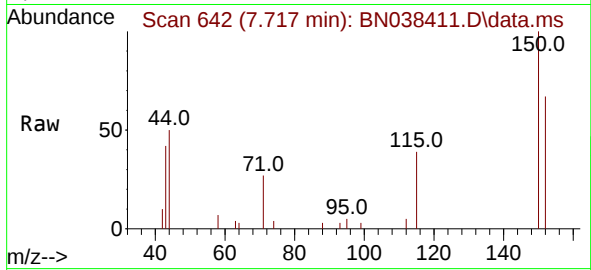
Quant Time: Dec 15 23:57:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 643
Delta R.T. -0.007 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

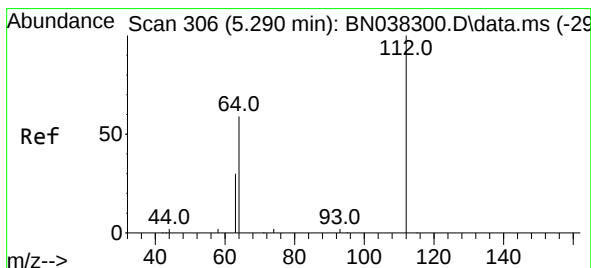
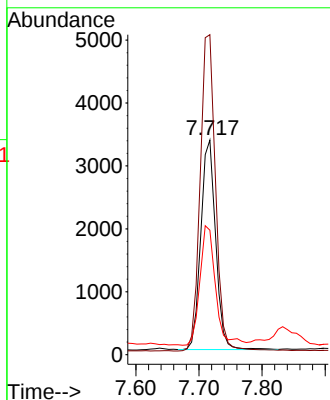
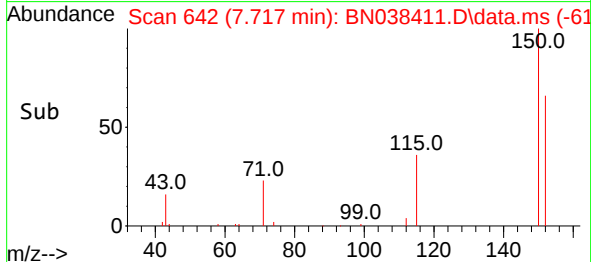
Instrument :
BNA_N
ClientSampleId :
C0AS3



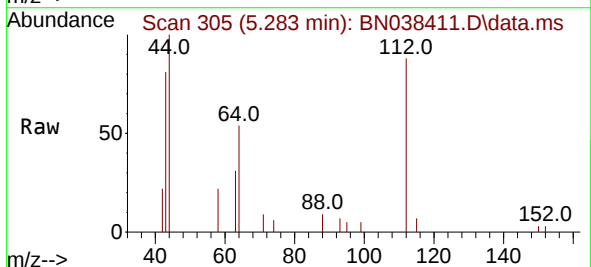
Tgt Ion:152 Resp: 544
Ion Ratio Lower Upper
152 100
150 149.1 122.4 183.6
115 58.0 47.3 70.9

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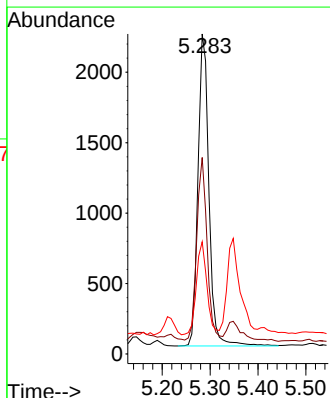
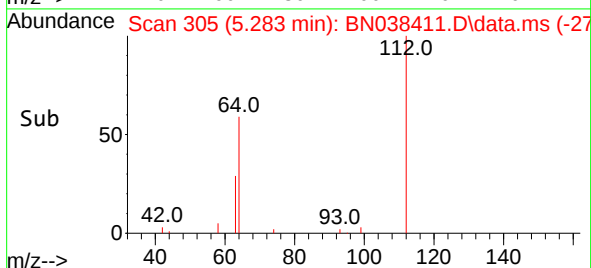
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

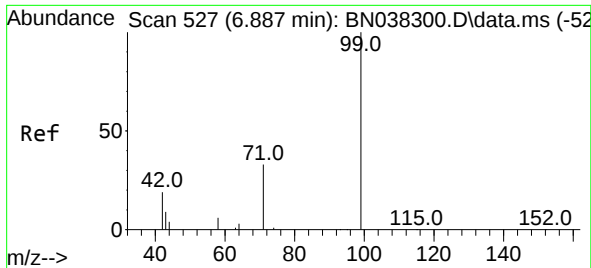


#4
2-Fluorophenol
Concen: 0.259 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57



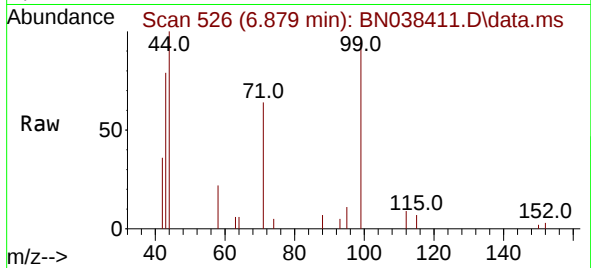
Tgt Ion:112 Resp: 3512
Ion Ratio Lower Upper
112 100
64 56.7 44.4 66.6
63 28.9 23.4 35.0





#5
Phenol-d6
Concen: 0.250 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

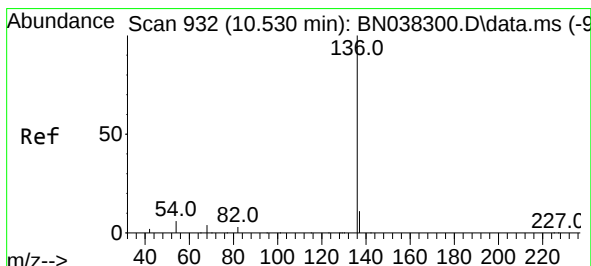
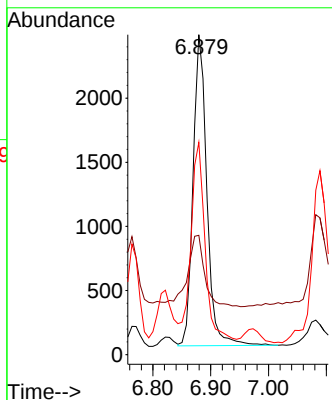
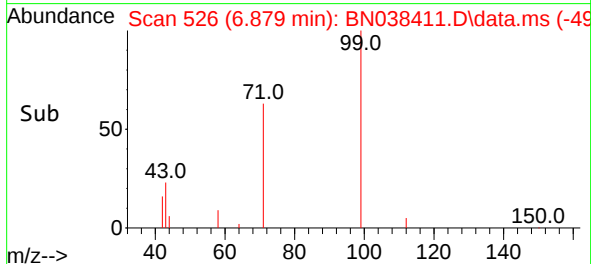
Instrument :
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ClientSampleId :
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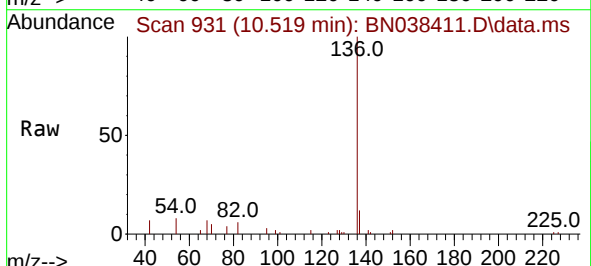
Tgt Ion: 99 Resp: 4020
Ion Ratio Lower Upper
99 100
42 28.6 16.5 24.7
71 65.7 24.9 37.3

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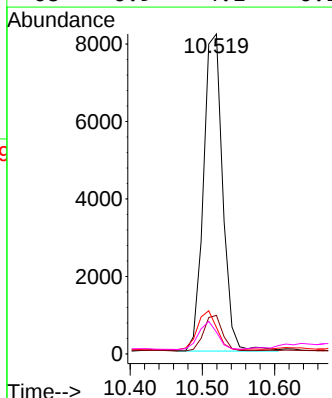
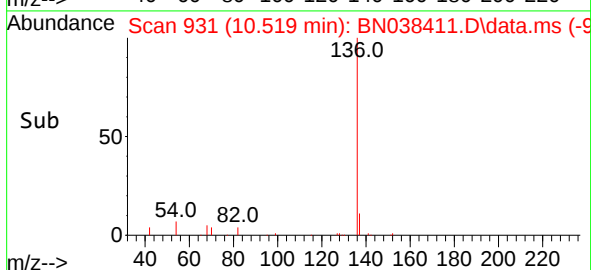
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57



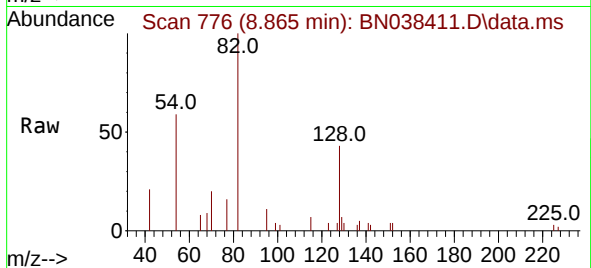
Tgt Ion:136 Resp: 15181
Ion Ratio Lower Upper
136 100
137 12.0 9.1 13.7
54 8.3 5.2 7.8#
68 6.9 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.267 ng
RT: 8.865 min Scan# 777
Delta R.T. -0.011 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

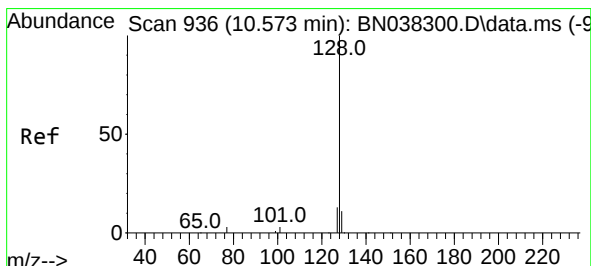
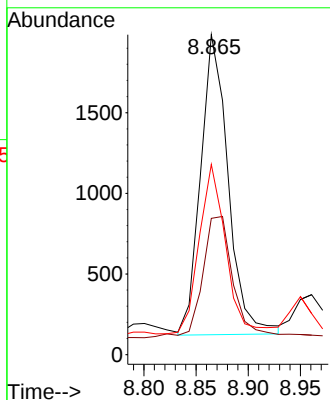
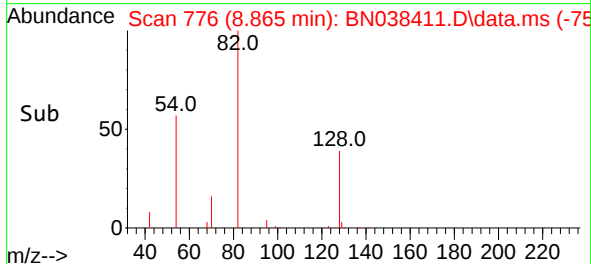
Instrument :
BNA_N
ClientSampleId :
C0AS3



Tgt Ion: 82 Resp: 341
Ion Ratio Lower Upper
82 100
128 42.6 34.0 51.0
54 59.4 44.4 66.6

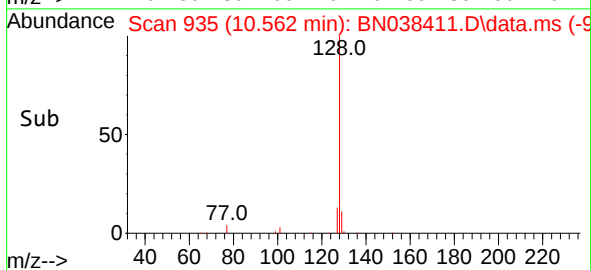
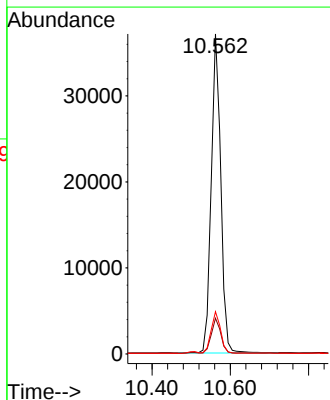
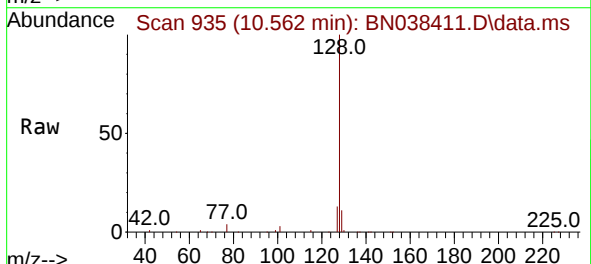
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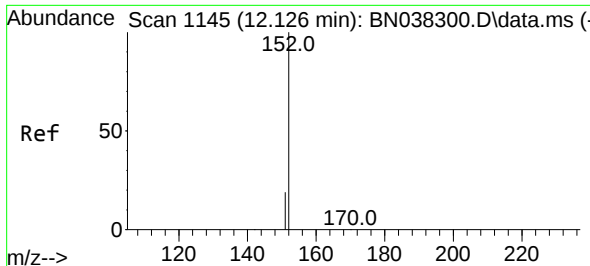
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#9
Naphthalene
Concen: 1.402 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

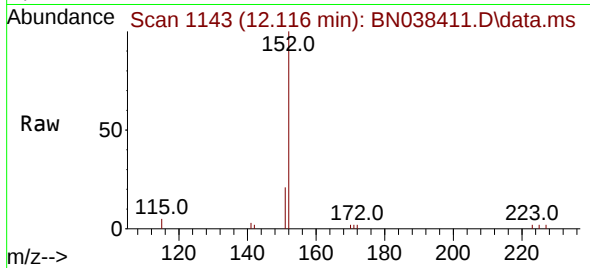
Tgt Ion:128 Resp: 62898
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.2 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.236 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

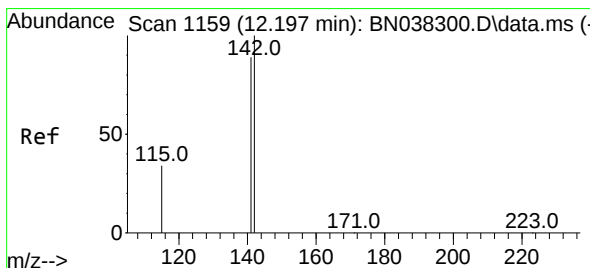
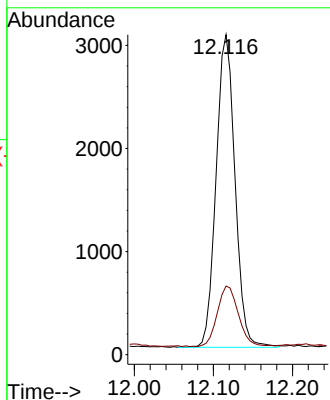
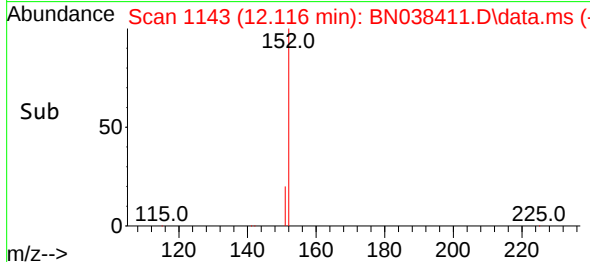
Instrument :
BNA_N
ClientSampleId :
C0AS3



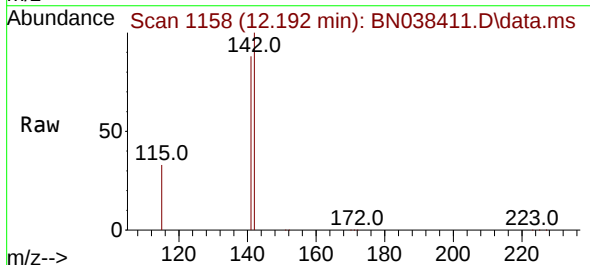
Tgt Ion:152 Resp: 504
Ion Ratio Lower Upper
152 100
151 21.5 17.0 25.6

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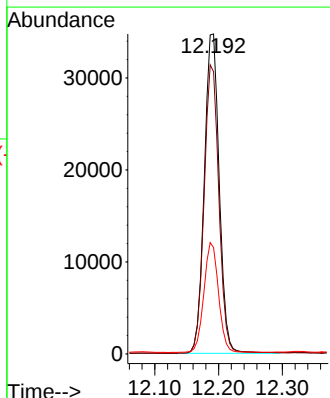
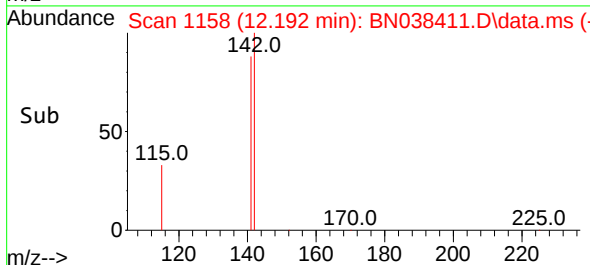
Reviewed By :Rahul Chavli 12/16/2025
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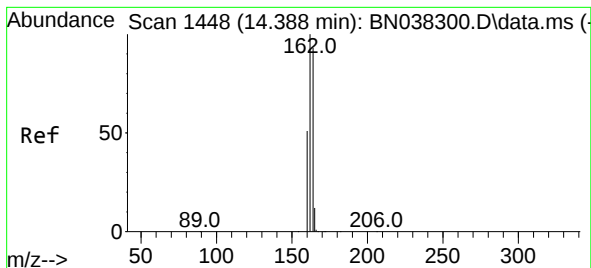


#12
2-Methylnaphthalene
Concen: 1.983 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57



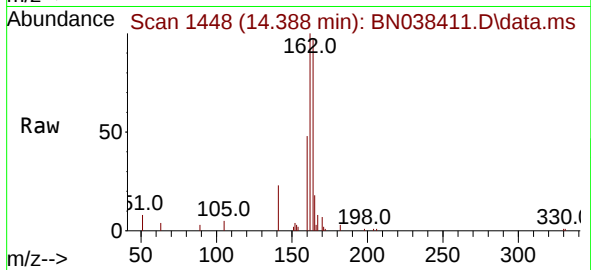
Tgt Ion:142 Resp: 56489
Ion Ratio Lower Upper
142 100
141 88.2 71.4 107.2
115 33.2 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

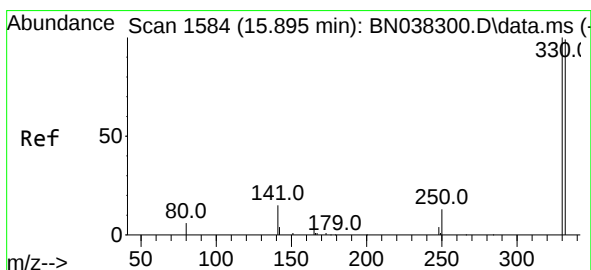
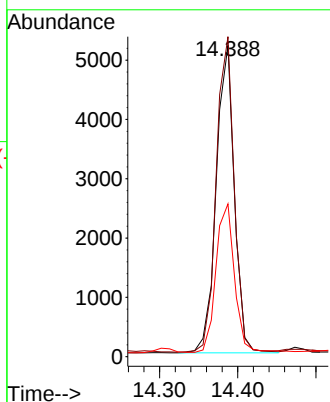
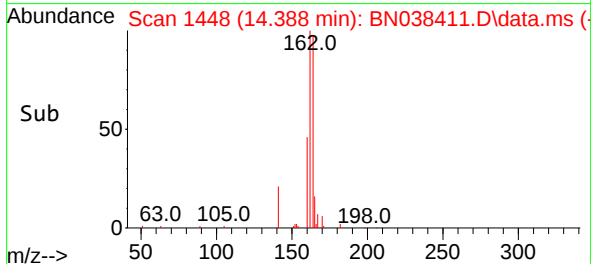
Instrument :
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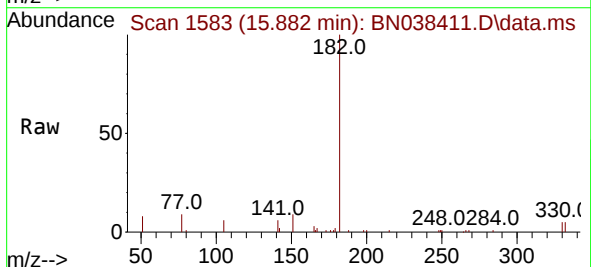
Tgt Ion:164 Resp: 835
Ion Ratio Lower Upper
164 100
162 102.8 86.2 129.4
160 49.1 44.6 67.0

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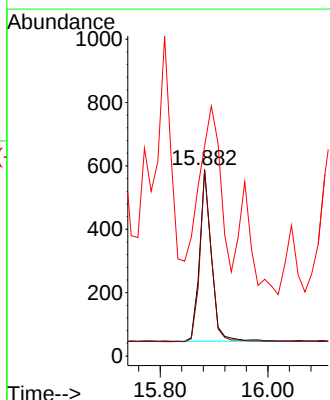
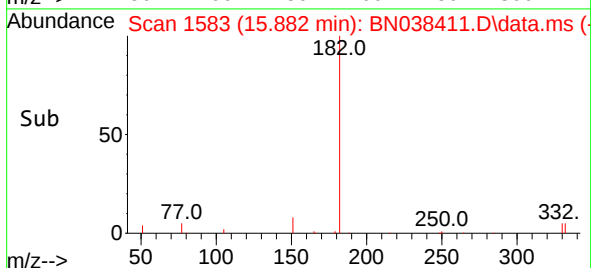
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#14
2,4,6-Tribromophenol
Concen: 0.222 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57



Tgt Ion:330 Resp: 823
Ion Ratio Lower Upper
330 100
332 97.7 75.8 113.6
141 176.9 31.8 47.8#





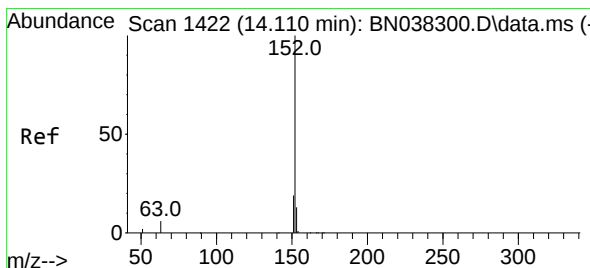
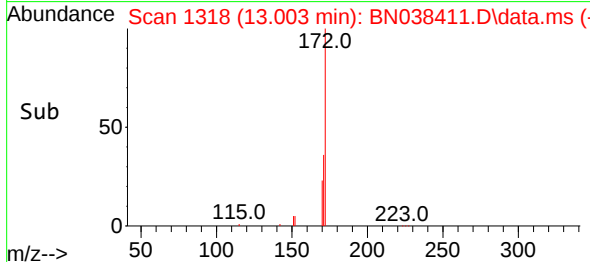
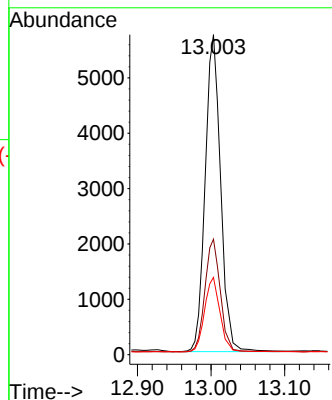
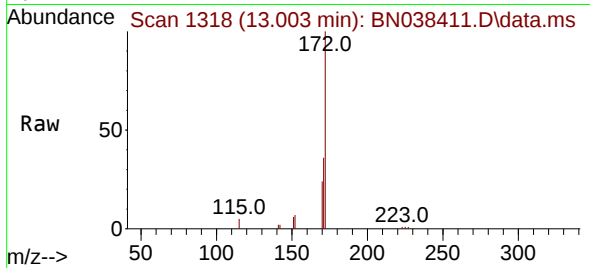
#15
2-Fluorobiphenyl
Concen: 0.262 ng
RT: 13.003 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

Instrument :
BNA_N
ClientSampleId :
C0AS3

Tgt Ion:172 Resp: 10558
Ion Ratio Lower Upper
172 100
171 36.1 28.6 42.8
170 24.1 19.3 28.9

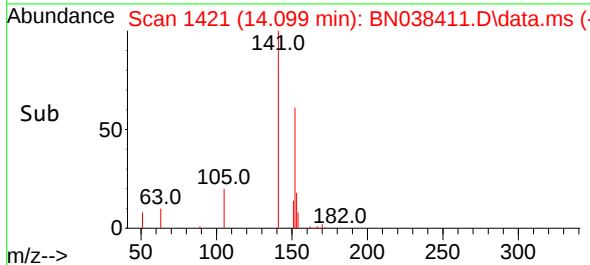
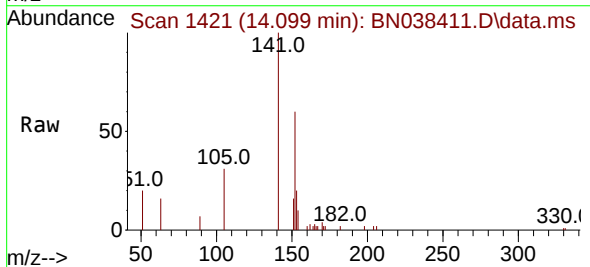
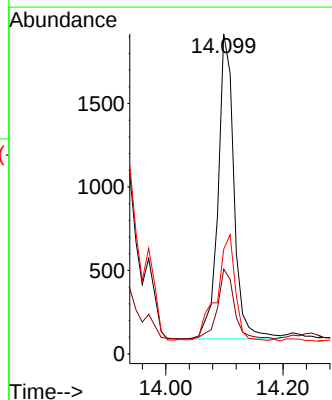
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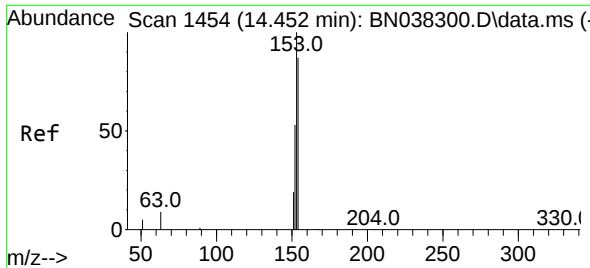
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#16
Acenaphthylene
Concen: 0.084 ng
RT: 14.099 min Scan# 1421
Delta R.T. -0.011 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

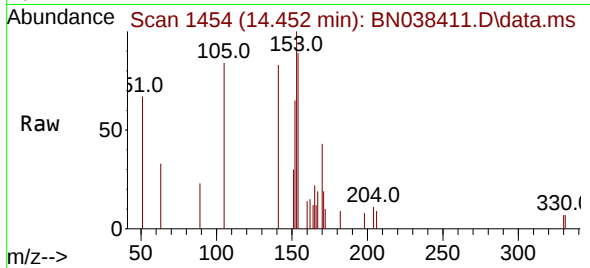
Tgt Ion:152 Resp: 3446
Ion Ratio Lower Upper
152 100
151 23.6 15.4 23.2#
153 40.9 10.2 15.4#





#17
Acenaphthene
Concen: 0.035 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

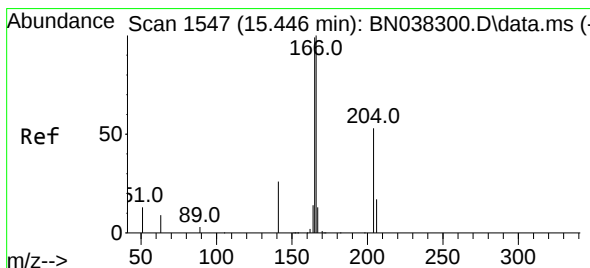
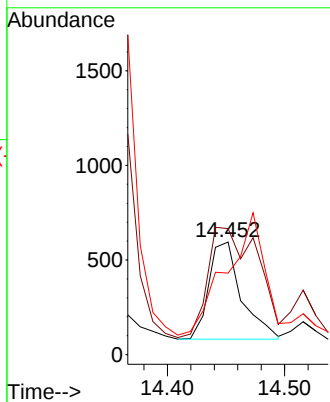
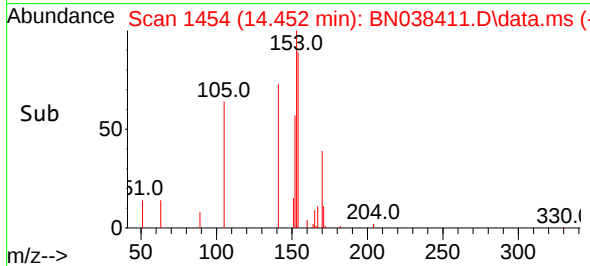
Instrument :
BNA_N
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C0AS3



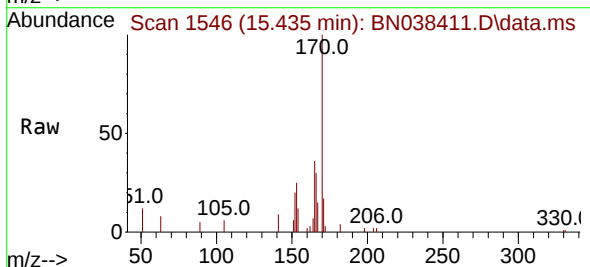
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Ion Ratio Lower Upper
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153 182.5 89.8 134.8
152 0.0 47.5 71.3

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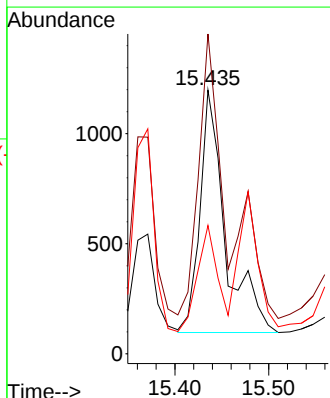
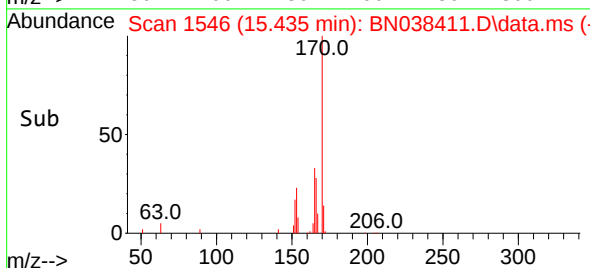
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

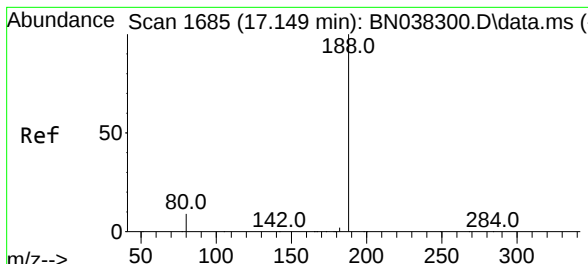


#18
Fluorene
Concen: 0.056 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57



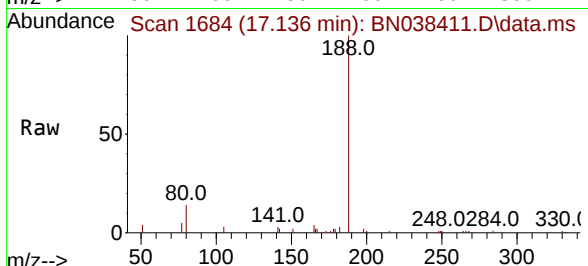
Tgt Ion:166 Resp: 2064
Ion Ratio Lower Upper
166 100
165 103.6 80.2 120.4
167 35.5 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

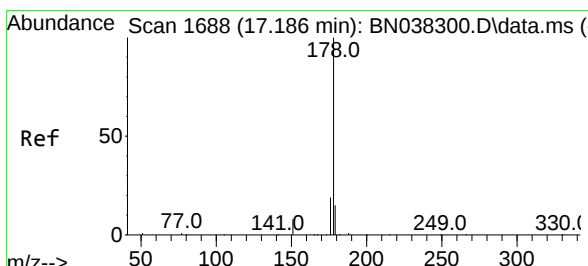
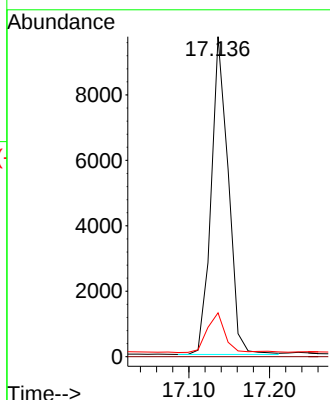
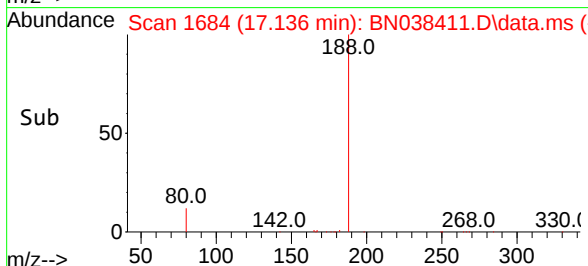
Instrument :
BNA_N
ClientSampleId :
C0AS3



Tgt Ion:188 Resp: 1429
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.7 7.4 11.0

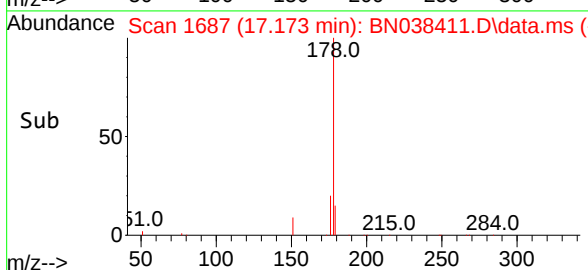
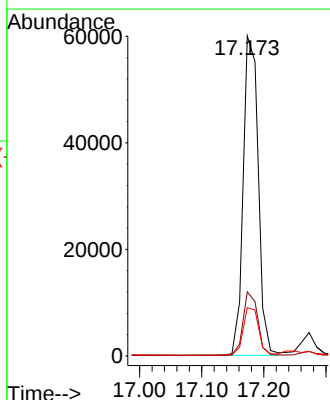
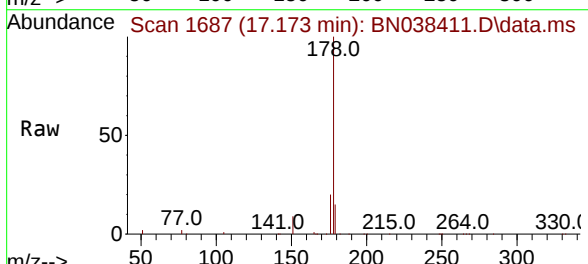
Manual Integrations
APPROVED

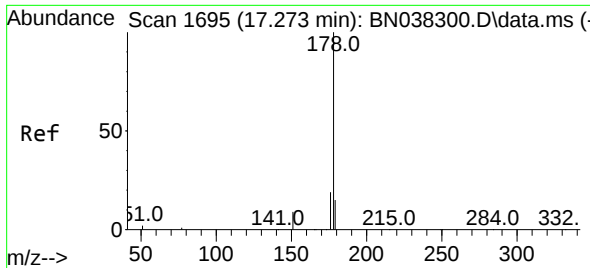
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#25
Phenanthrene
Concen: 2.031 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

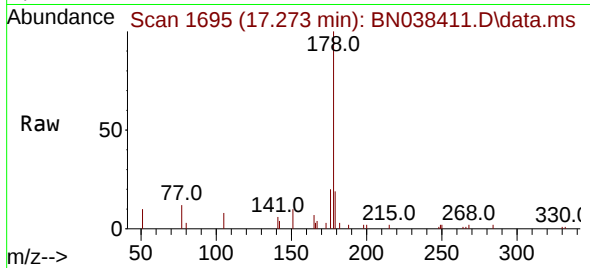
Tgt Ion:178 Resp: 101046
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.2 18.2





#26
 Anthracene
 Concen: 0.141 ng m
 RT: 17.273 min Scan# 1695
 Delta R.T. -0.012 min
 Lab File: BN038411.D
 Acq: 15 Dec 2025 18:57

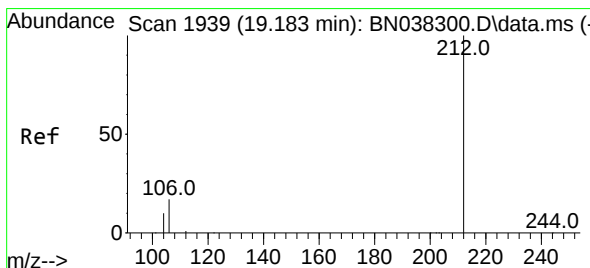
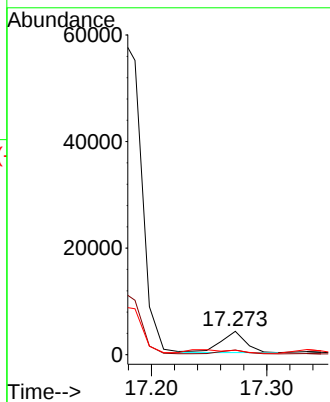
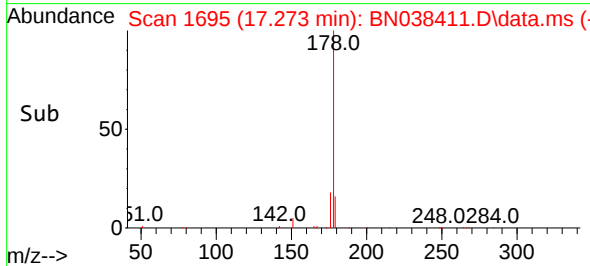
Instrument :
 BNA_N
 ClientSampleId :
 C0AS3



Tgt Ion:178 Resp: 605
 Ion Ratio Lower Upper
 178 100
 176 320.6 15.1 22.7
 179 257.3 12.0 18.0

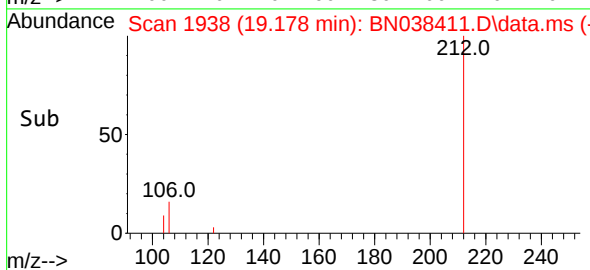
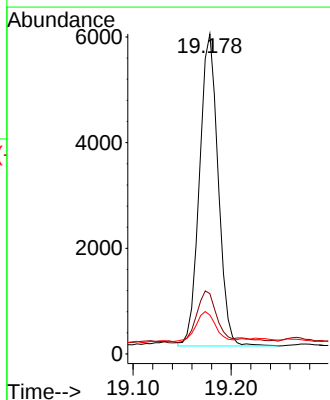
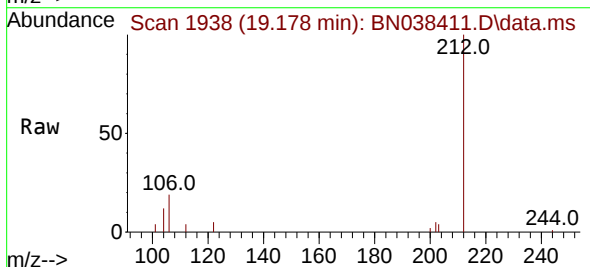
Manual Integrations
 APPROVED

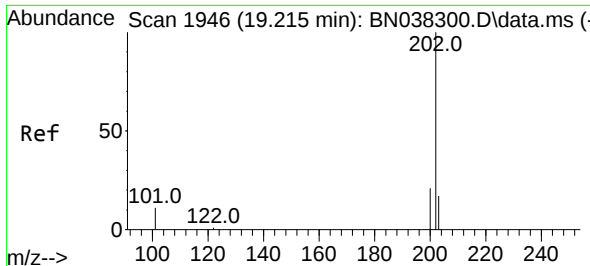
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025



#27
 Fluoranthene-d10
 Concen: 0.220 ng
 RT: 19.178 min Scan# 1938
 Delta R.T. -0.009 min
 Lab File: BN038411.D
 Acq: 15 Dec 2025 18:57

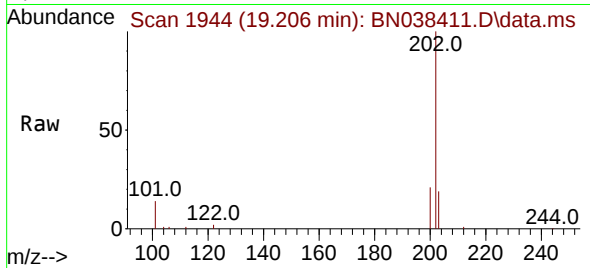
Tgt Ion:212 Resp: 7791
 Ion Ratio Lower Upper
 212 100
 106 19.8 13.7 20.5
 104 10.6 7.8 11.8





#28
Fluoranthene
Concen: 1.014 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

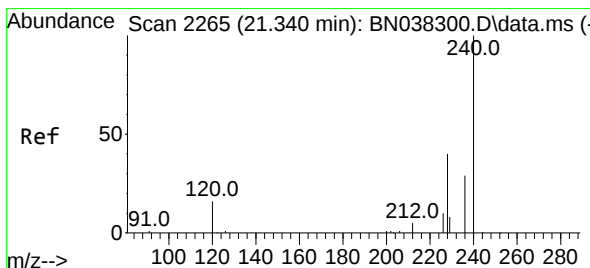
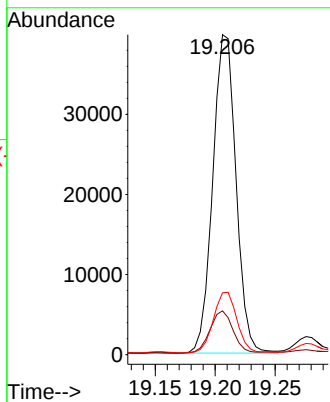
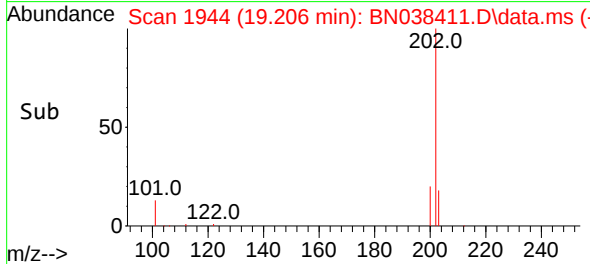
Instrument :
BNA_N
ClientSampleId :
C0AS3



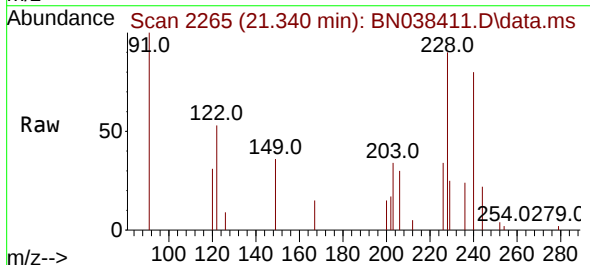
Tgt Ion:202 Resp: 5364
Ion Ratio Lower Upper
202 100
101 13.3 9.6 14.4
203 19.2 13.5 20.3

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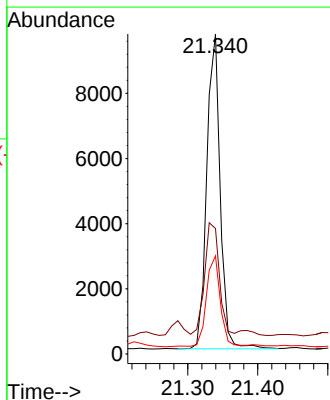
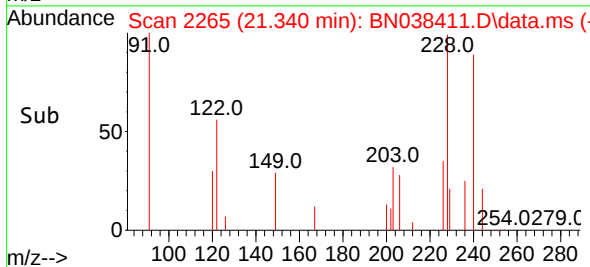
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

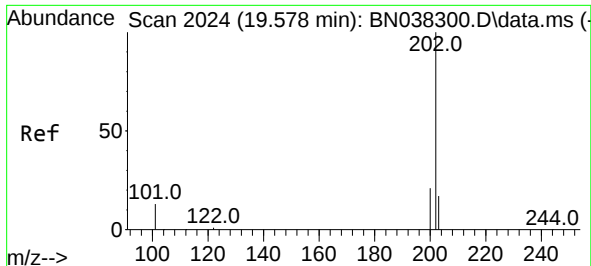


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57



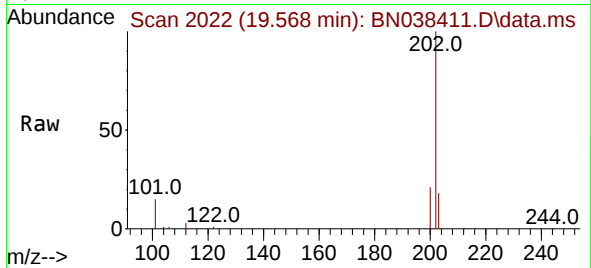
Tgt Ion:240 Resp: 12909
Ion Ratio Lower Upper
240 100
120 39.2 15.4 23.2#
236 30.7 23.9 35.9





#30
 Pyrene
 Concen: 0.925 ng
 RT: 19.568 min Scan# 2022
 Delta R.T. -0.014 min
 Lab File: BN038411.D
 Acq: 15 Dec 2025 18:57

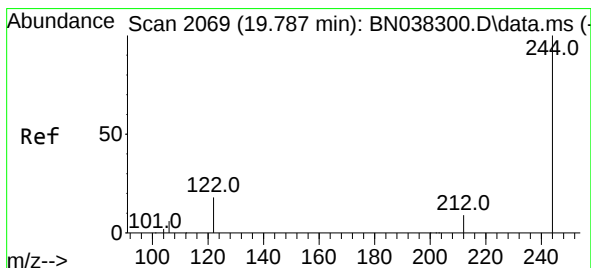
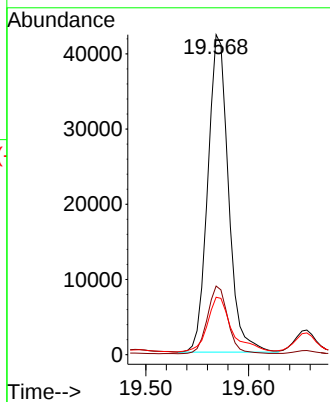
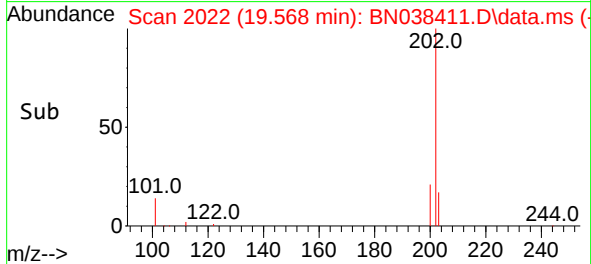
Instrument :
 BNA_N
 ClientSampleId :
 C0AS3



Tgt Ion:202 Resp: 58789
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.9 25.3
 203 20.2 14.2 21.2

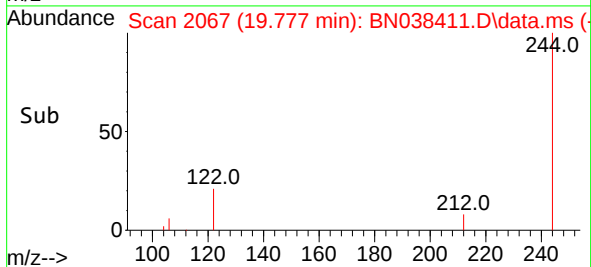
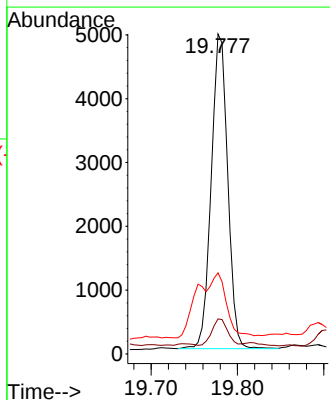
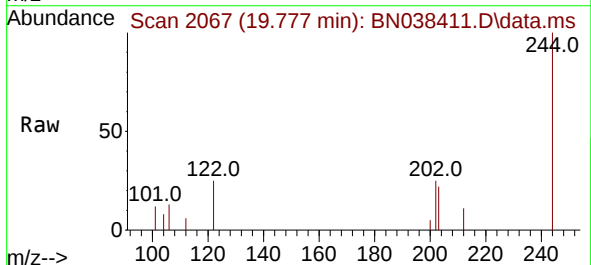
Manual Integrations
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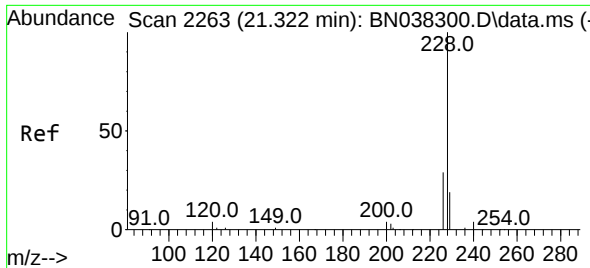
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025



#31
 Terphenyl-d14
 Concen: 0.228 ng
 RT: 19.777 min Scan# 2067
 Delta R.T. -0.014 min
 Lab File: BN038411.D
 Acq: 15 Dec 2025 18:57

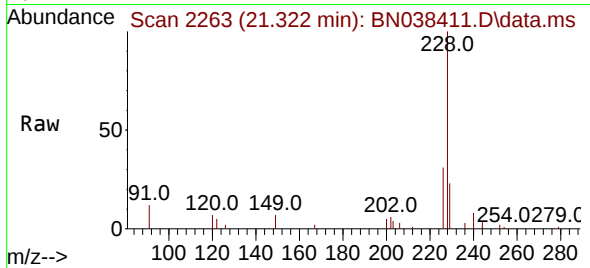
Tgt Ion:244 Resp: 6571
 Ion Ratio Lower Upper
 244 100
 212 10.9 7.9 11.9
 122 25.4 15.0 22.6#





#32
Benzo(a)anthracene
Concen: 0.773 ng
RT: 21.322 min Scan# 21322
Delta R.T. -0.009 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

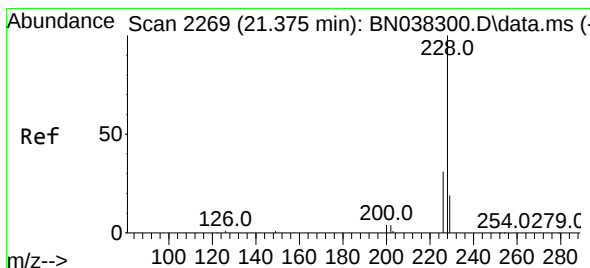
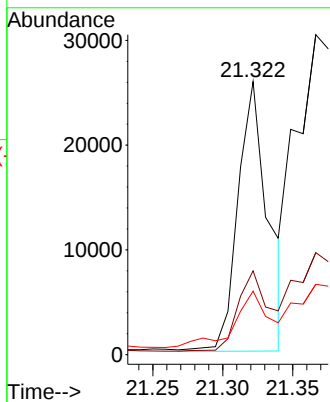
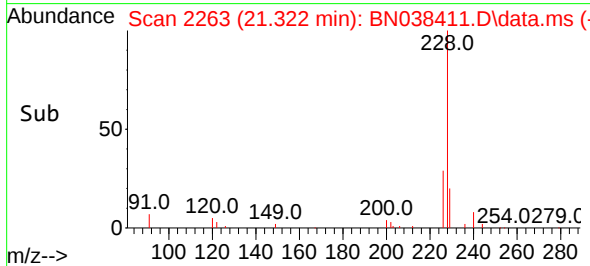
Instrument :
BNA_N
ClientSampleId :
C0AS3



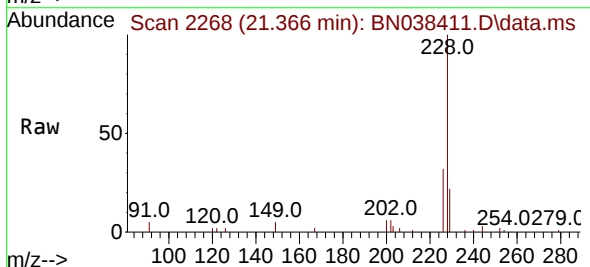
Tgt Ion:228 Resp: 3855
Ion Ratio Lower Upper
228 100
226 30.7 23.3 34.9
229 23.2 15.7 23.5

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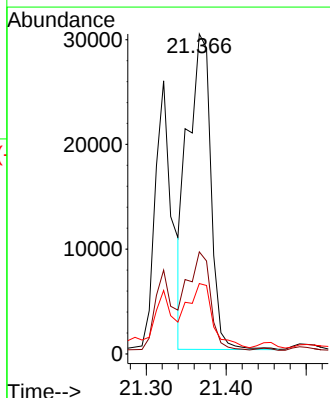
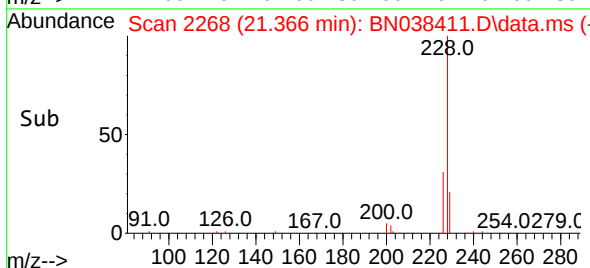
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

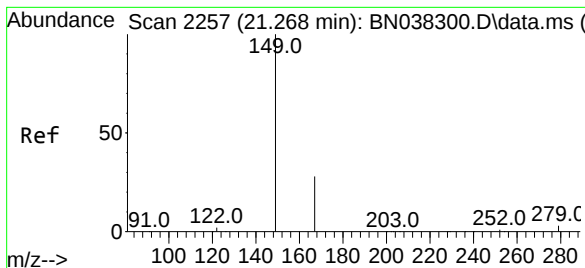


#33
Chrysene
Concen: 1.105 ng
RT: 21.366 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57



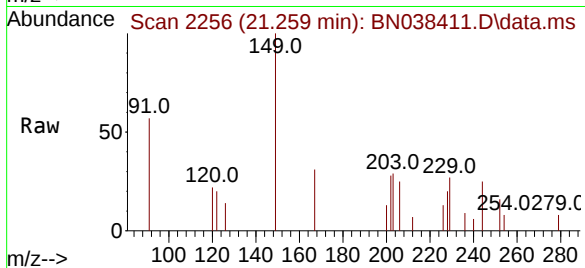
Tgt Ion:228 Resp: 60679
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.4
229 22.0 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.079 ng
RT: 21.259 min Scan# 2164
Delta R.T. -0.009 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

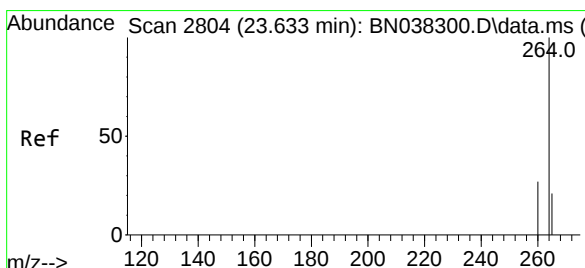
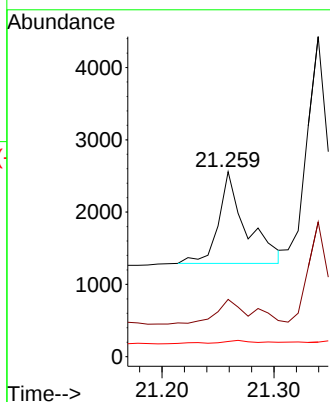
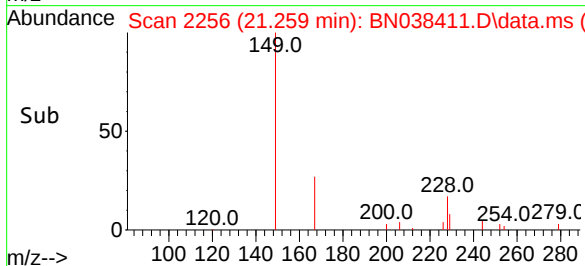
Instrument :
BNA_N
ClientSampleId :
C0AS3



Tgt Ion:149 Resp: 2164
Ion Ratio Lower Upper
149 100
167 32.3 21.4 32.0
279 3.2 2.4 3.6

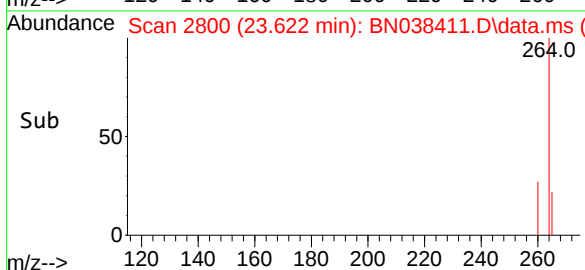
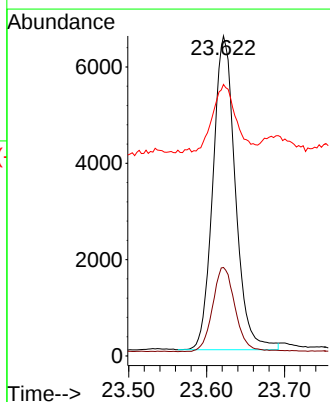
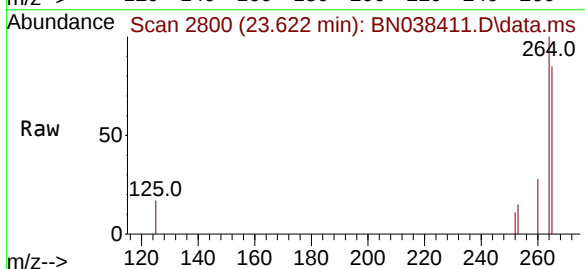
Manual Integrations
APPROVED

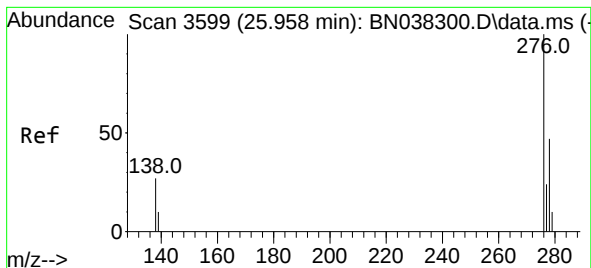
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

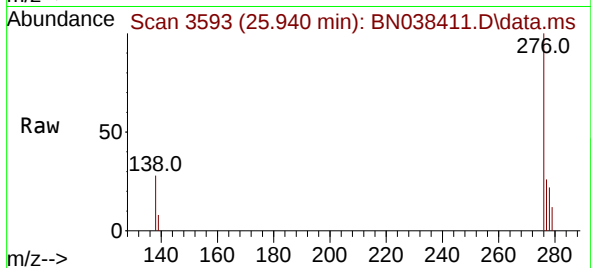
Tgt Ion:264 Resp: 13015
Ion Ratio Lower Upper
264 100
260 27.6 22.2 33.2
265 84.8 80.2 120.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.202 ng
RT: 25.940 min Scan# 3599
Delta R.T. -0.023 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

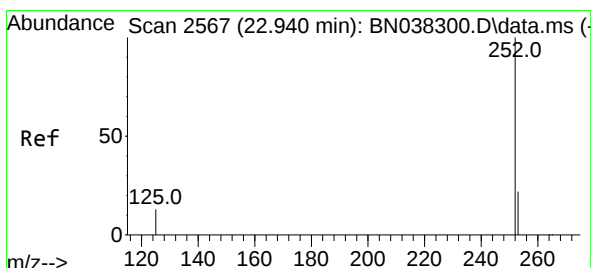
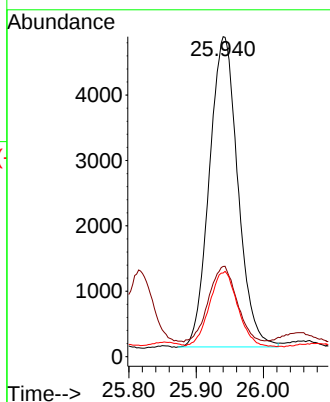
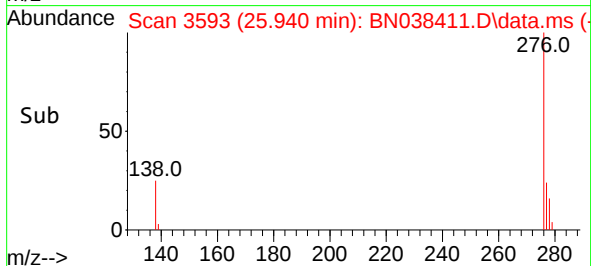
Instrument :
BNA_N
ClientSampleId :
C0AS3



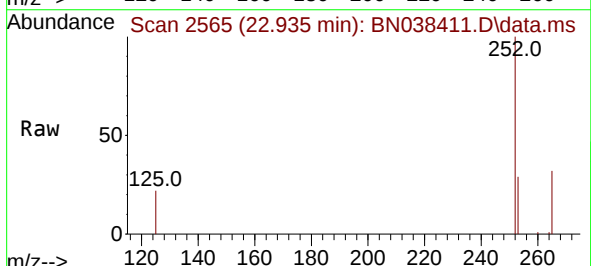
Tgt Ion:276 Resp: 13950
Ion Ratio Lower Upper
276 100
138 25.3 23.6 35.4
277 24.0 19.7 29.5

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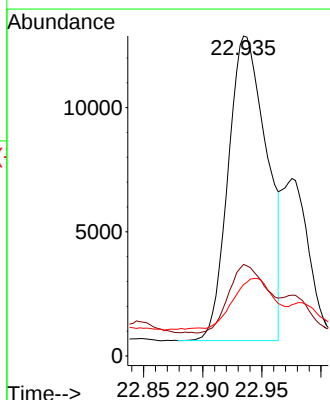
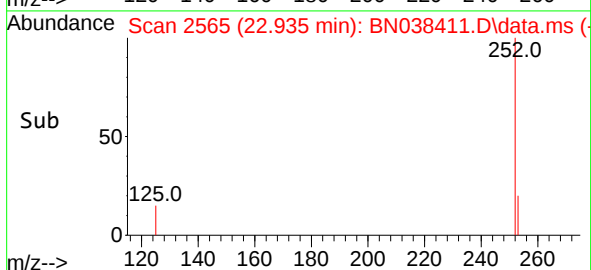
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

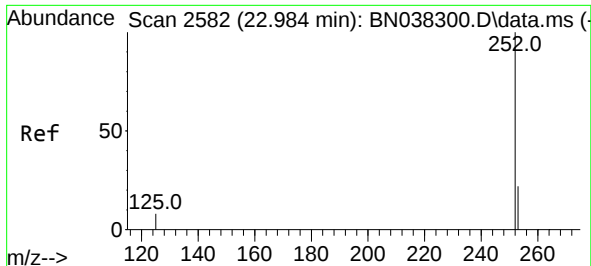


#37
Benzo(b)fluoranthene
Concen: 0.464 ng
RT: 22.935 min Scan# 2565
Delta R.T. -0.012 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57



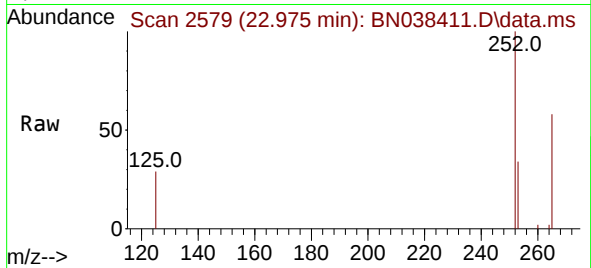
Tgt Ion:252 Resp: 27712
Ion Ratio Lower Upper
252 100
253 28.6 21.1 31.7
125 22.3 16.4 24.6





#38
Benzo(k)fluoranthene
Concen: 0.175 ng m
RT: 22.975 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

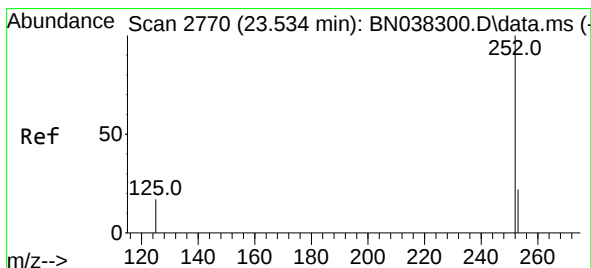
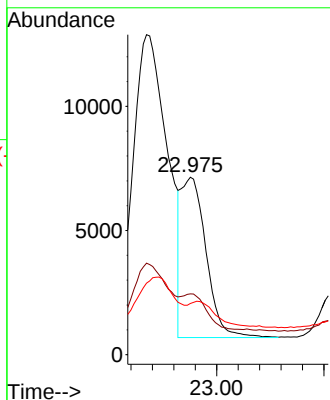
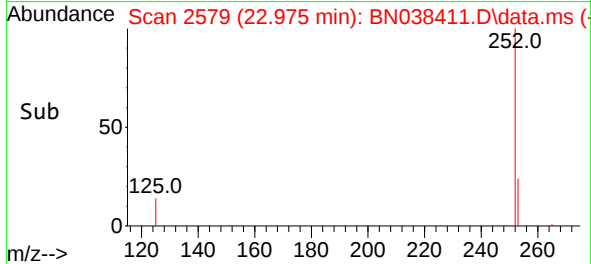
Instrument :
BNA_N
ClientSampleId :
C0AS3



Tgt Ion:252 Resp: 1043
Ion Ratio Lower Upper
252 100
253 34.3 21.4 32.0
125 28.8 16.2 24.2

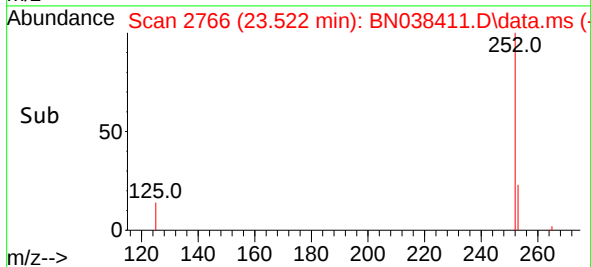
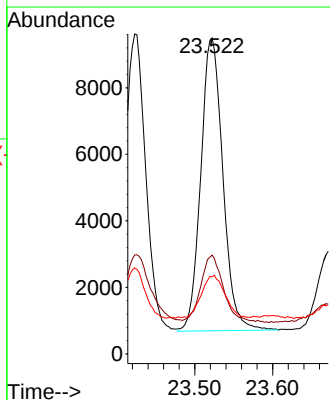
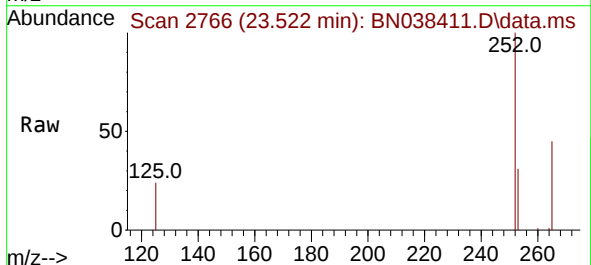
Manual Integrations
APPROVED

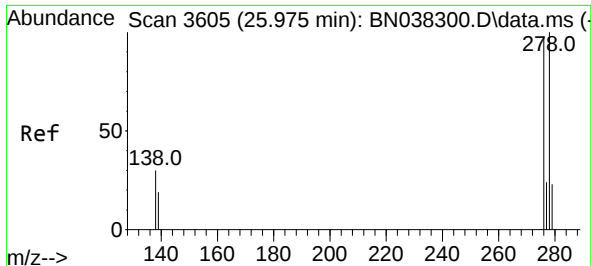
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#39
Benzo(a)pyrene
Concen: 0.354 ng
RT: 23.522 min Scan# 2766
Delta R.T. -0.012 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

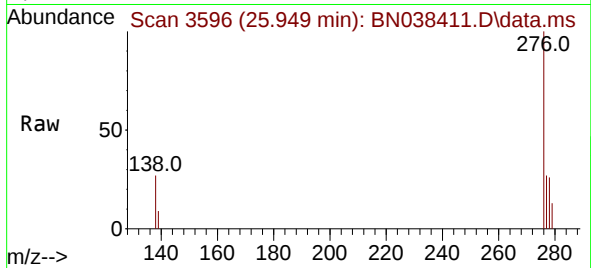
Tgt Ion:252 Resp: 17321
Ion Ratio Lower Upper
252 100
253 31.3 23.3 34.9
125 24.4 22.4 33.6





#40
Dibenzo(a,h)anthracene
Concen: 0.070 ng
RT: 25.949 min Scan# 31
Delta R.T. -0.032 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

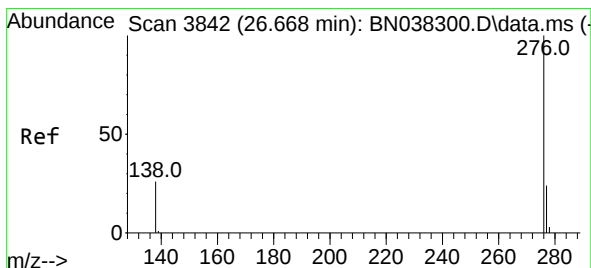
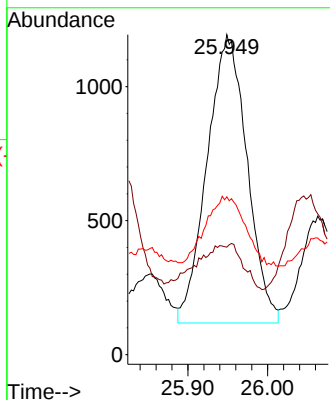
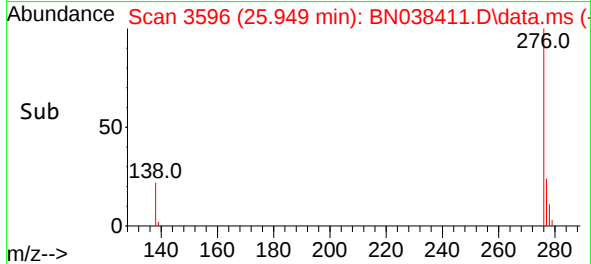
Instrument :
BNA_N
ClientSampleId :
C0AS3



Tgt Ion:278 Resp: 374
Ion Ratio Lower Upper
278 100
139 33.6 17.8 26.8
279 49.3 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: 0.259 ng
RT: 26.648 min Scan# 3835
Delta R.T. -0.029 min
Lab File: BN038411.D
Acq: 15 Dec 2025 18:57

Tgt Ion:276 Resp: 15429
Ion Ratio Lower Upper
276 100
277 25.5 20.0 30.0
138 26.9 21.8 32.6

