

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038407.D
 Acq On : 15 Dec 2025 16:33
 Operator : RC/JU
 Sample : Q3839-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN4

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 17:01:24 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	5454	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	15212	0.400	ng	#-0.02
13) Acenaphthene-d10	14.388	164	8408	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	15491	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	14423	0.400	ng	0.00
35) Perylene-d12	23.619	264	15537	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3311	0.244	ng	0.00
5) Phenol-d6	6.879	99	3707	0.230	ng	0.00
8) Nitrobenzene-d5	8.865	82	2831	0.221	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	4478	0.209	ng	-0.01
14) 2,4,6-Tribromophenol	15.883	330	1160	0.311	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	10325	0.255	ng	0.00
27) Fluoranthene-d10	19.174	212	6920	0.181	ng	-0.01
31) Terphenyl-d14	19.778	244	6299	0.196	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.562	128	25544	0.568	ng	100
12) 2-Methylnaphthalene	12.187	142	30803	1.079	ng	99
16) Acenaphthylene	14.099	152	1678	0.041	ng	# 50
17) Acenaphthene	14.452	154	1116	0.039	ng	# 54
18) Fluorene	15.435	166	3086	0.083	ng	# 81
25) Phenanthrene	17.173	178	44755	0.830	ng	98
28) Fluoranthene	19.206	202	30316	0.529	ng	97
30) Pyrene	19.568	202	27122	0.382	ng	96
32) Benzo(a)anthracene	21.313	228	16219	0.291	ng	# 92
33) Chrysene	21.366	228	19768	0.322	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.259	149	2539	0.083	ng	# 100
36) Indeno(1,2,3-cd)pyrene	25.934	276	10084	0.122	ng	96
37) Benzo(b)fluoranthene	22.929	252	22227	0.311	ng	# 88
38) Benzo(k)fluoranthene	22.970	252	7679m	0.108	ng	
39) Benzo(a)pyrene	23.516	252	12137	0.208	ng	# 83
40) Dibenzo(a,h)anthracene	25.946	278	2767	0.044	ng	# 37
41) Benzo(g,h,i)perylene	26.645	276	12659	0.178	ng	95

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

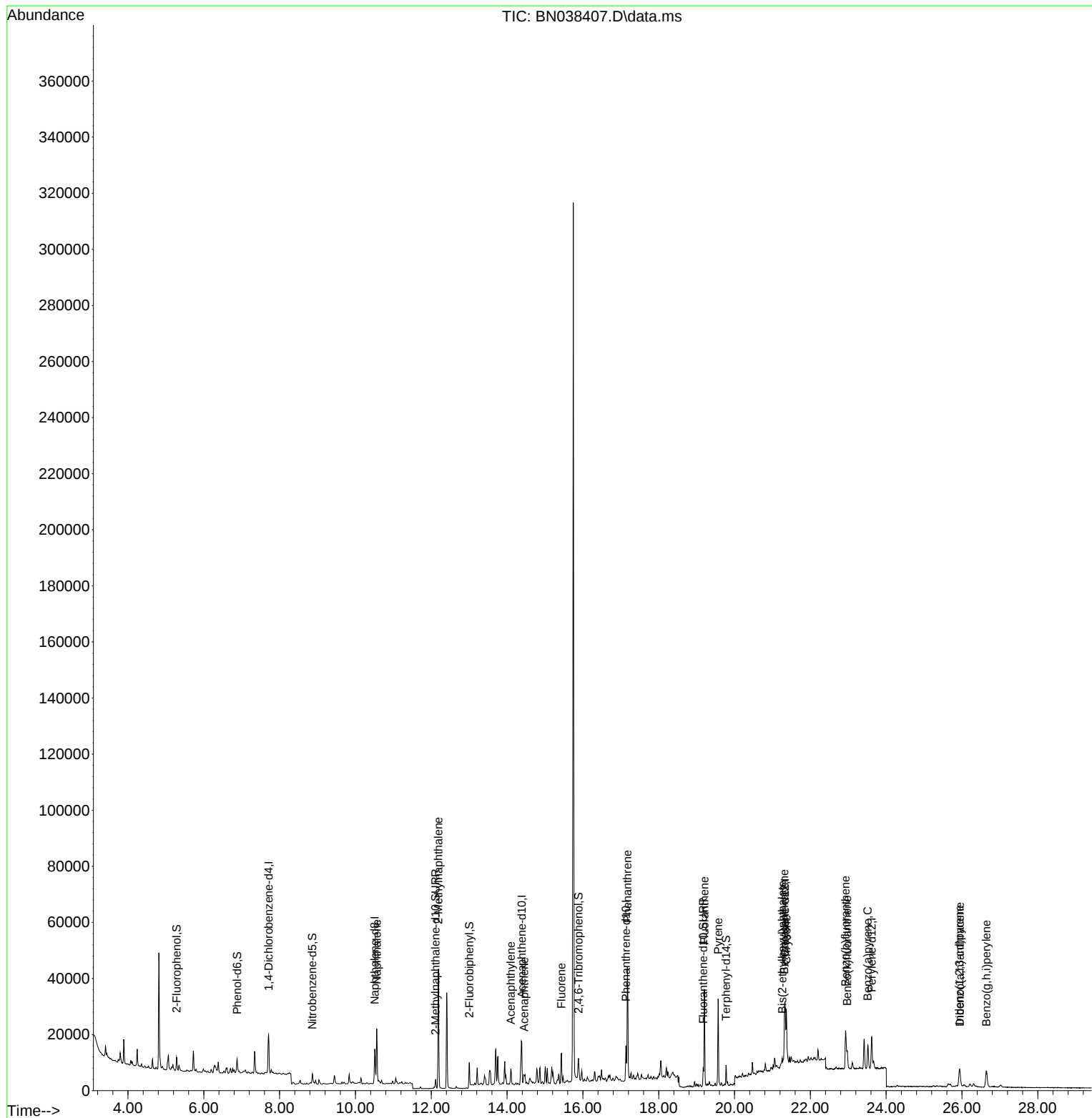
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
Data File : BN038407.D
Acq On : 15 Dec 2025 16:33
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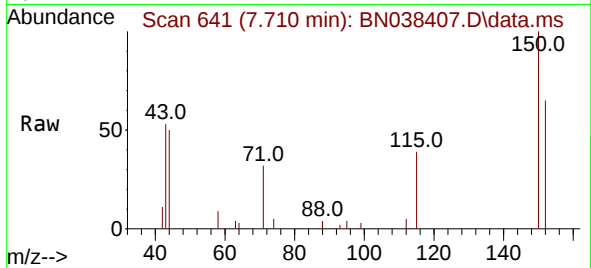
Quant Time: Dec 15 17:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 643
Delta R.T. -0.014 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

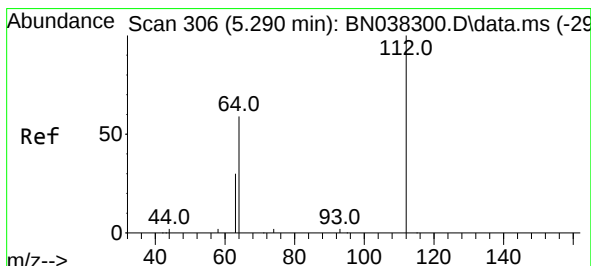
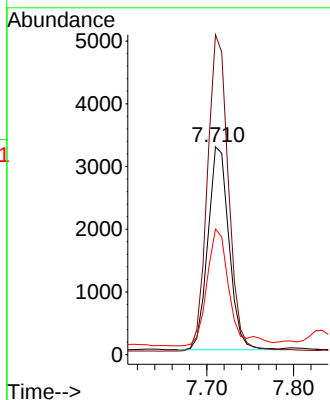
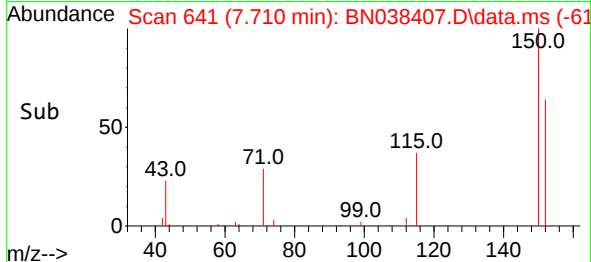
Instrument :
BNA_N
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COAN4



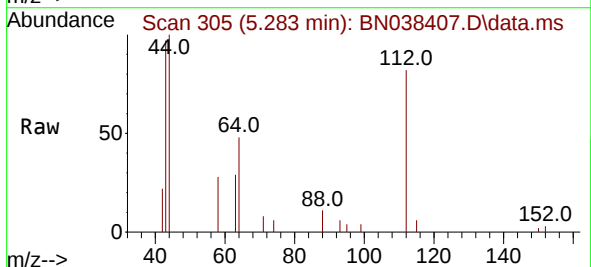
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Ion Ratio Lower Upper
152 100
150 154.0 122.4 183.6
115 60.5 47.3 70.9

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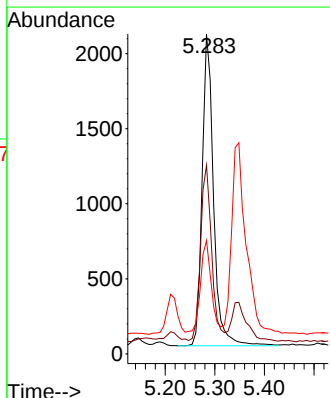
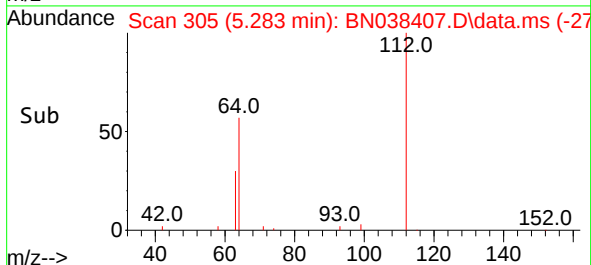
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

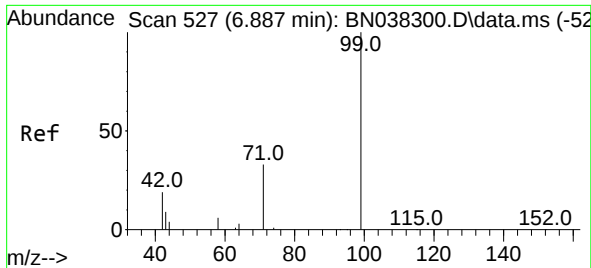


#4
2-Fluorophenol
Concen: 0.244 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33



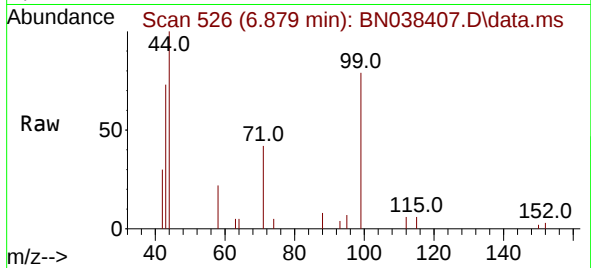
Tgt Ion:112 Resp: 3311
Ion Ratio Lower Upper
112 100
64 55.2 44.4 66.6
63 28.7 23.4 35.0





#5
Phenol-d6
Concen: 0.230 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

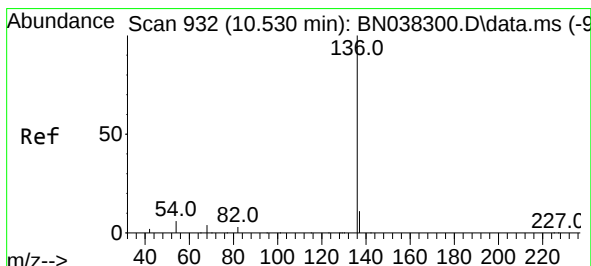
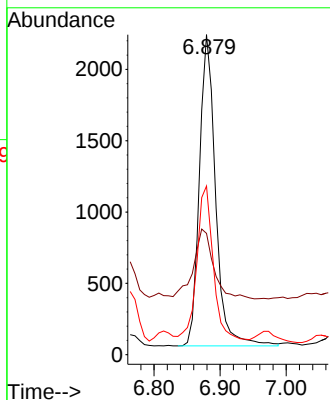
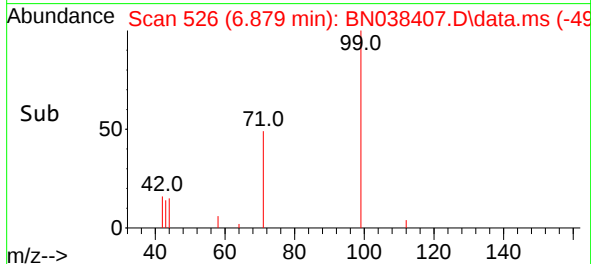
Instrument :
BNA_N
ClientSampleId :
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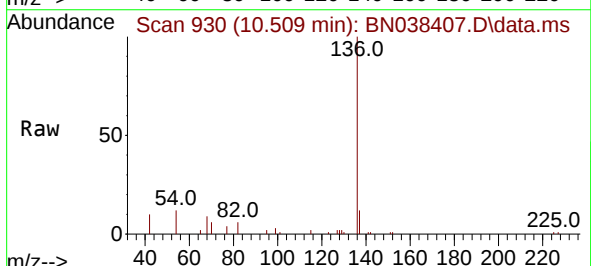
Tgt Ion: 99 Resp: 370
Ion Ratio Lower Upper
99 100
42 27.7 16.5 24.7
71 51.7 24.9 37.3

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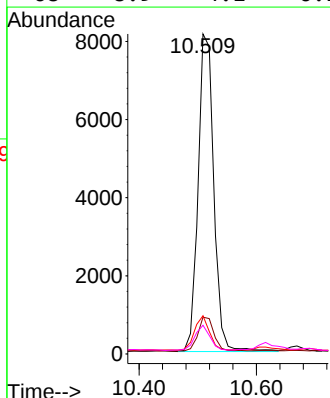
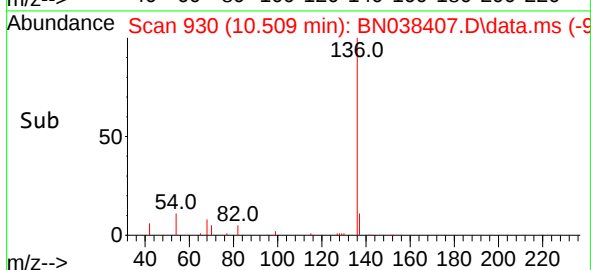
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

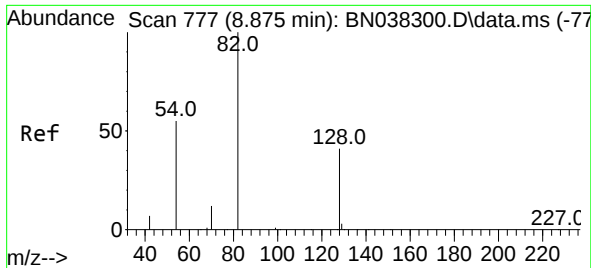


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. -0.021 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33



Tgt Ion:136 Resp: 15212
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 11.9 5.2 7.8#
68 8.9 4.1 6.1#





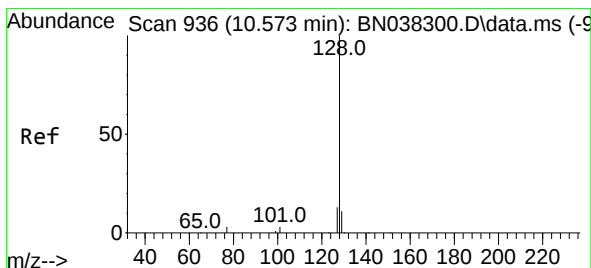
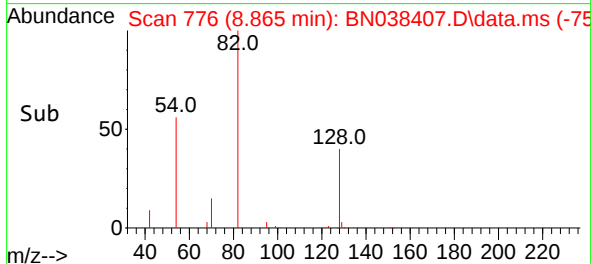
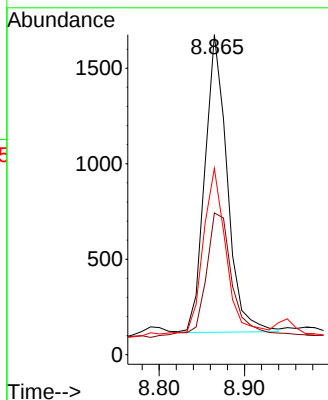
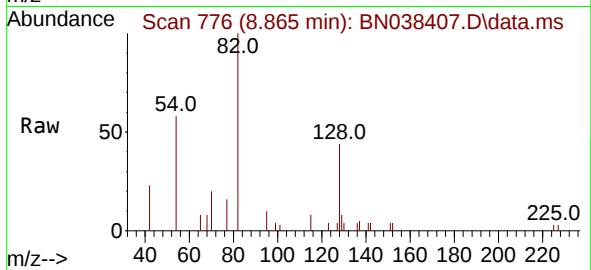
#8
Nitrobenzene-d5
Concen: 0.221 ng
RT: 8.865 min Scan# 777
Delta R.T. -0.011 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 82 Resp: 283
Ion Ratio Lower Upper
82 100
128 44.3 34.0 51.0
54 58.2 44.4 66.6

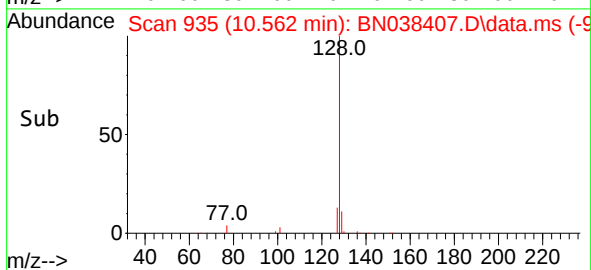
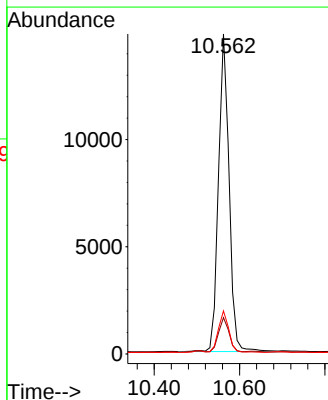
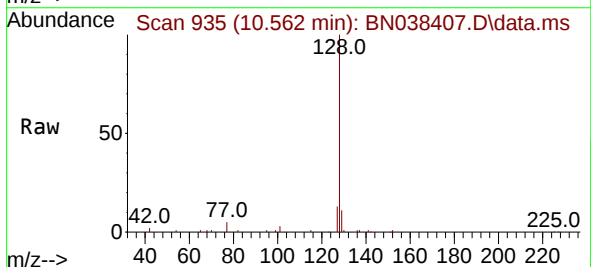
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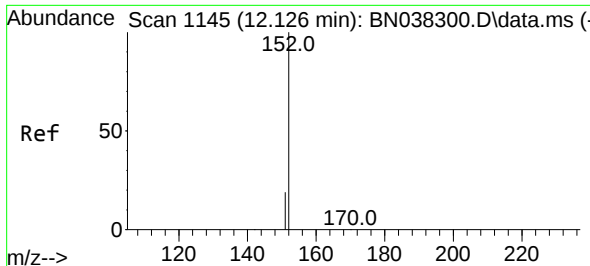
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#9
Naphthalene
Concen: 0.568 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

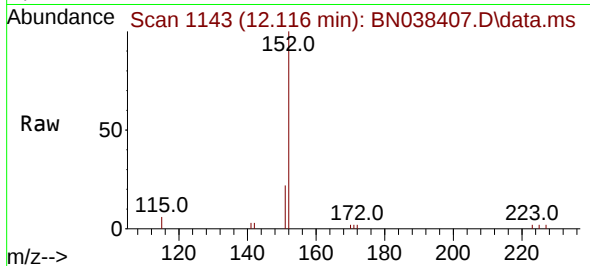
Tgt Ion:128 Resp: 25544
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.4 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.209 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

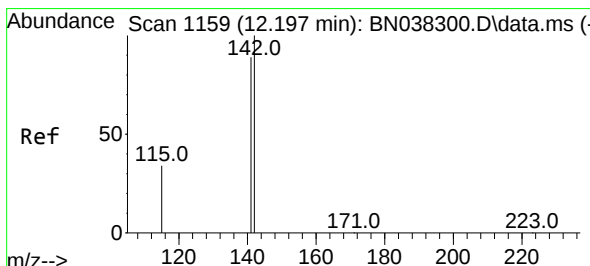
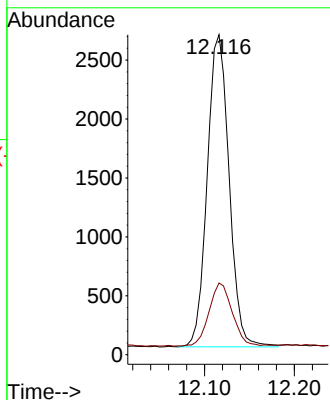
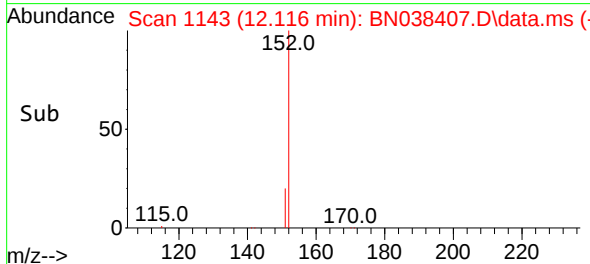
Instrument :
BNA_N
ClientSampleId :
COAN4



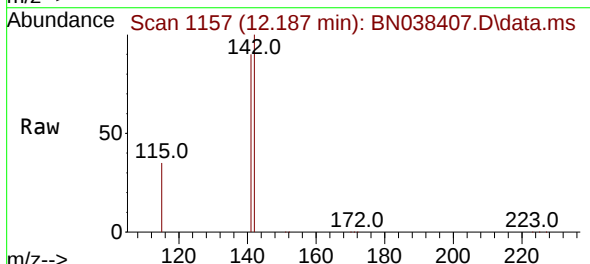
Tgt Ion:152 Resp: 4478
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6

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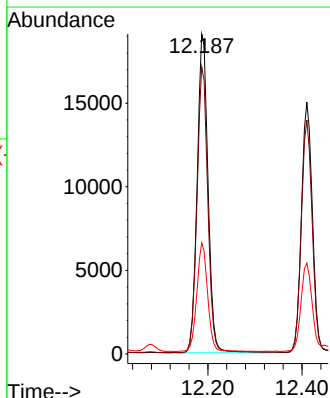
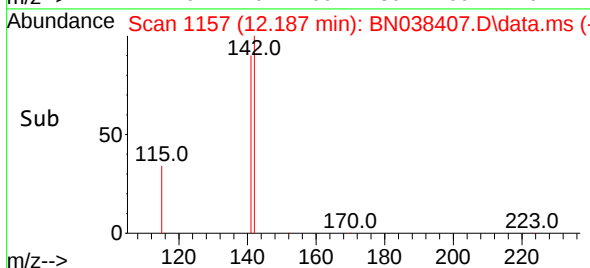
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

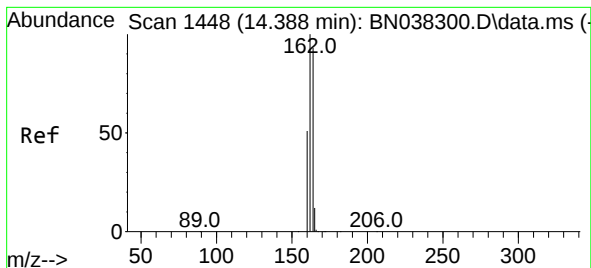


#12
2-Methylnaphthalene
Concen: 1.079 ng
RT: 12.187 min Scan# 1157
Delta R.T. -0.015 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33



Tgt Ion:142 Resp: 30803
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: BN038407.D

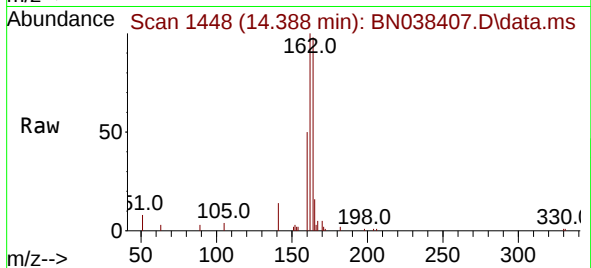
Acq: 15 Dec 2025 16:33

Instrument :

BNA_N

ClientSampleId :

COAN4



Tgt Ion:164 Resp: 840

Ion Ratio Lower Upper

164 100

162 101.9 86.2 129.4

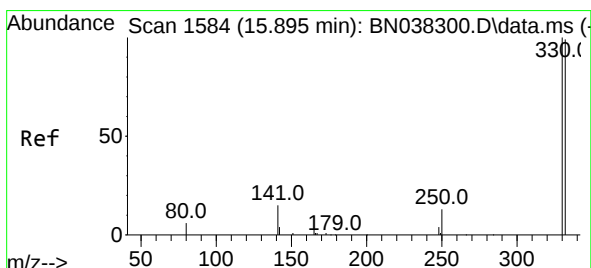
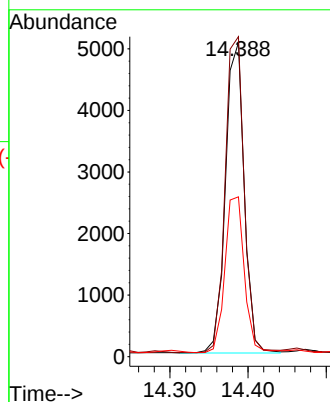
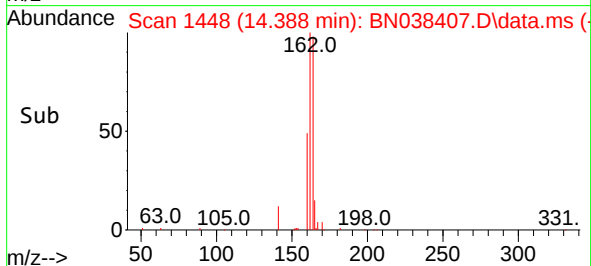
160 50.9 44.6 67.0

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#14

2,4,6-Tribromophenol

Concen: 0.311 ng

RT: 15.883 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

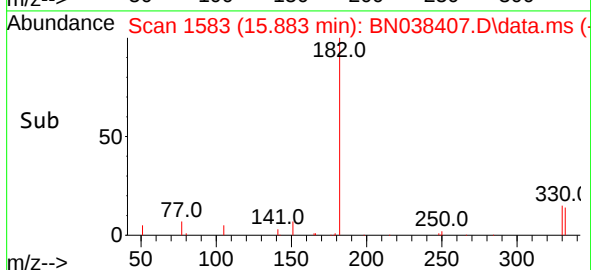
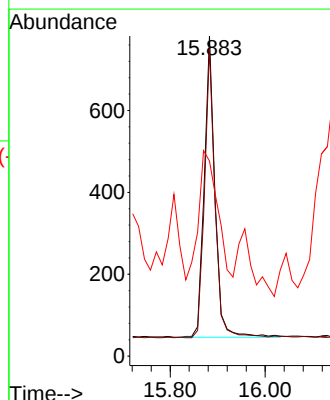
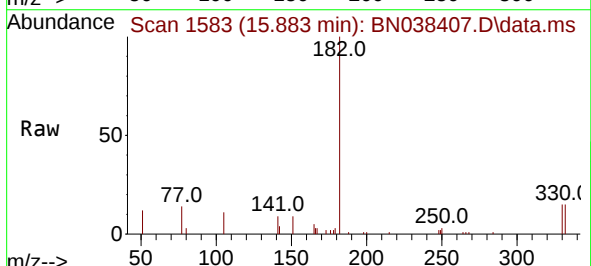
Tgt Ion:330 Resp: 1160

Ion Ratio Lower Upper

330 100

332 93.5 75.8 113.6

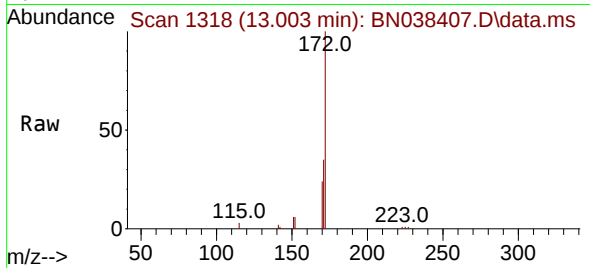
141 83.0 31.8 47.8#





#15
2-Fluorobiphenyl
Concen: 0.255 ng
RT: 13.003 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

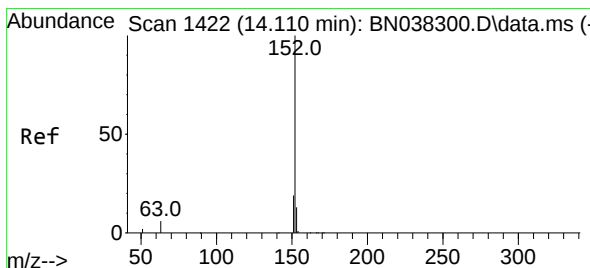
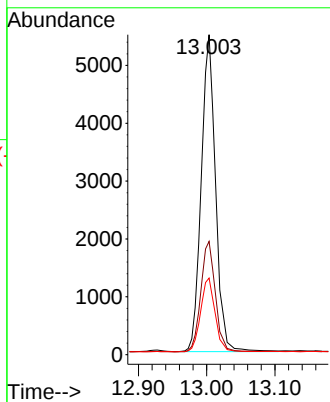
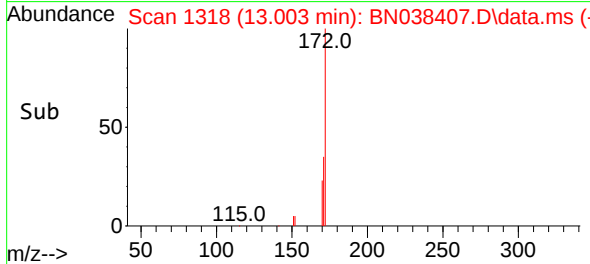
Instrument :
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ClientSampleId :
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Tgt Ion:172 Resp: 1032
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.9 19.3 28.9

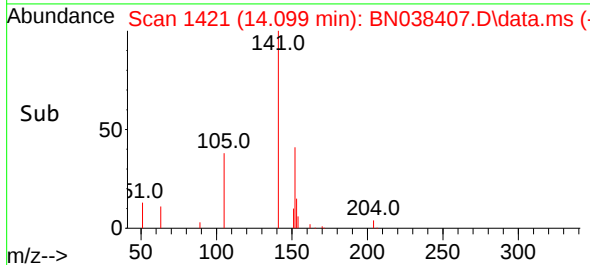
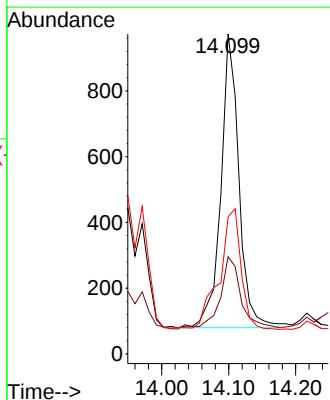
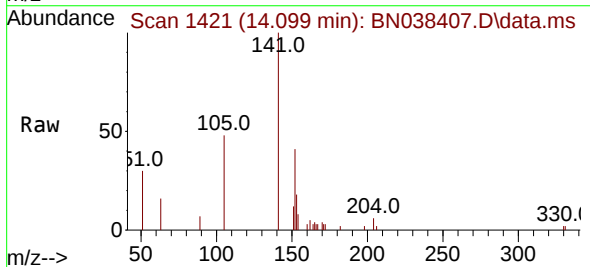
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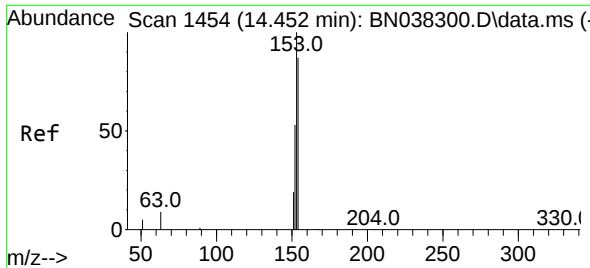
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#16
Acenaphthylene
Concen: 0.041 ng
RT: 14.099 min Scan# 1421
Delta R.T. -0.011 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

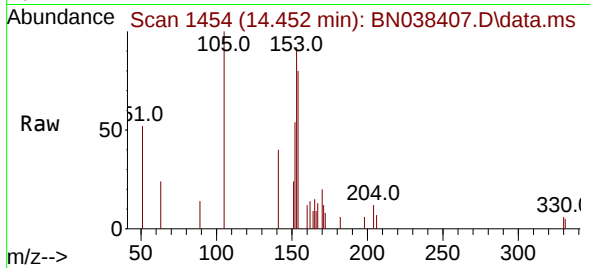
Tgt Ion:152 Resp: 1678
Ion Ratio Lower Upper
152 100
151 29.0 15.4 23.2#
153 49.6 10.2 15.4#





#17
Acenaphthene
Concen: 0.039 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

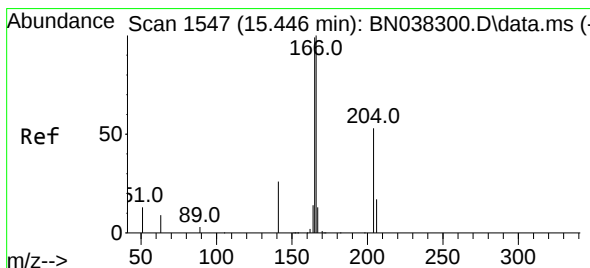
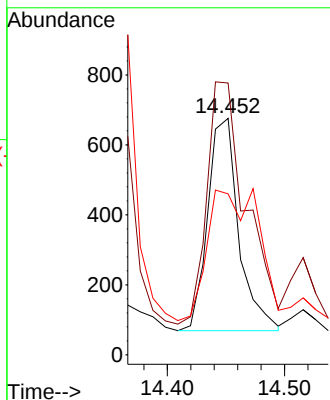
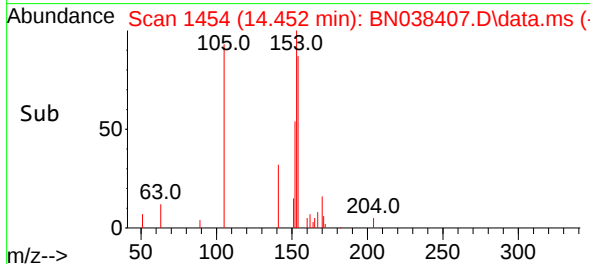
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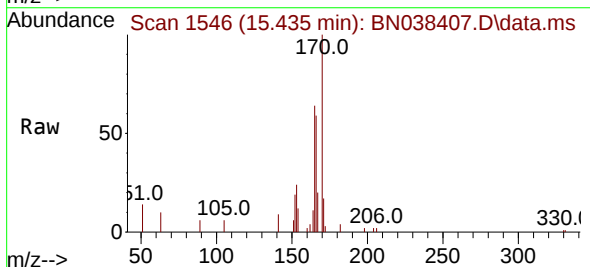
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Ion Ratio Lower Upper
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152 0.0 47.5 71.3

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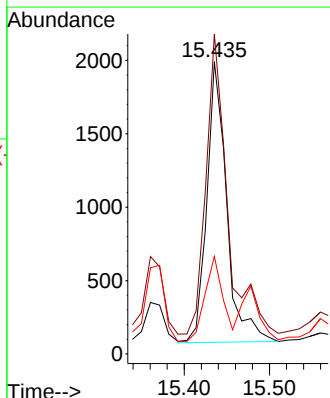
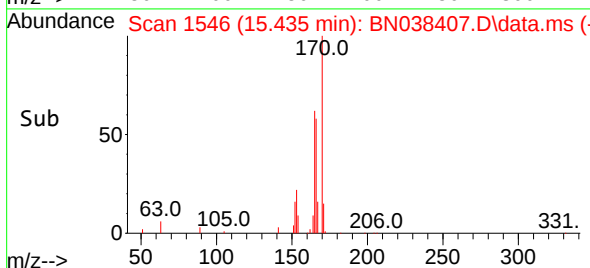
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

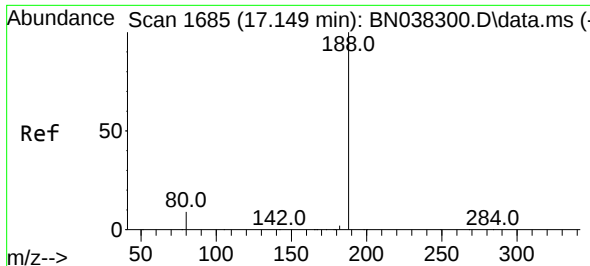


#18
Fluorene
Concen: 0.083 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33



Tgt Ion:166 Resp: 3086
Ion Ratio Lower Upper
166 100
165 116.8 80.2 120.4
167 27.9 10.6 16.0





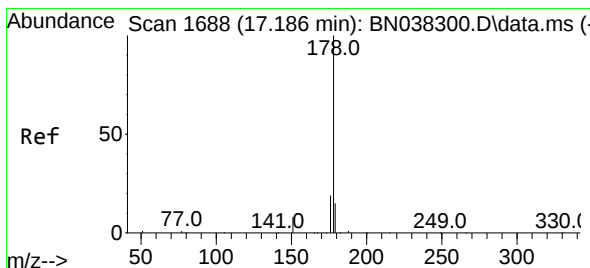
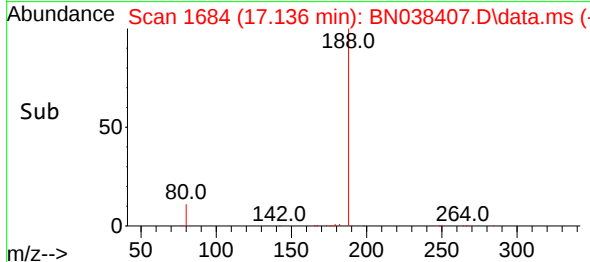
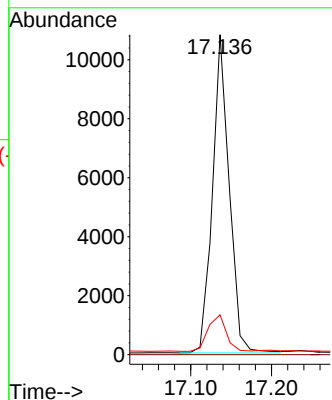
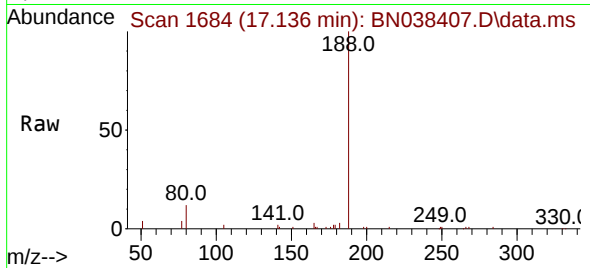
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Instrument :
BNA_N
ClientSampleId :
COAN4

Tgt Ion:188 Resp: 1549
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.5 7.4 11.0

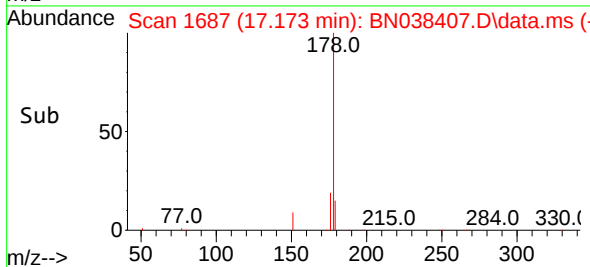
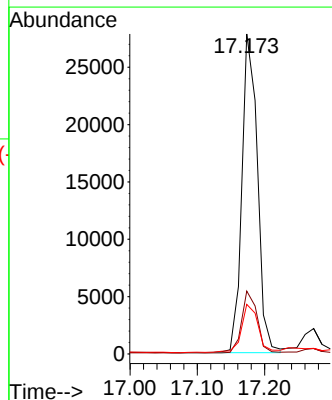
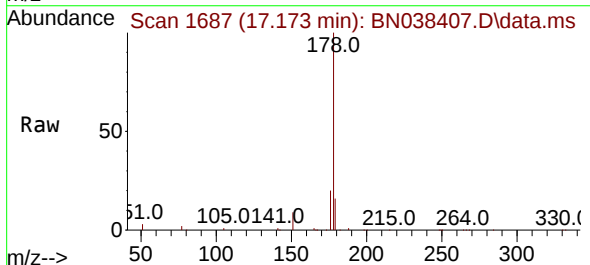
Manual Integrations
APPROVED

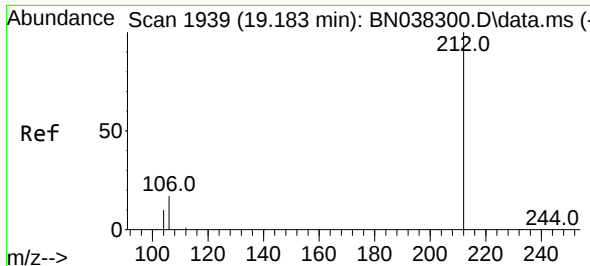
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#25
Phenanthrene
Concen: 0.830 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Tgt Ion:178 Resp: 44755
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 16.8 12.2 18.2





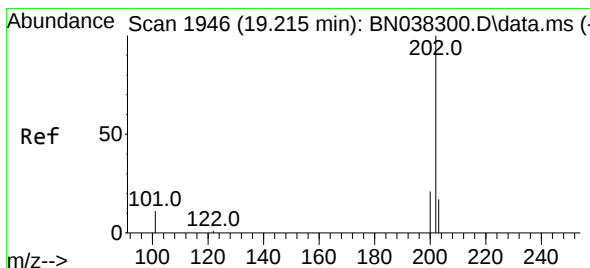
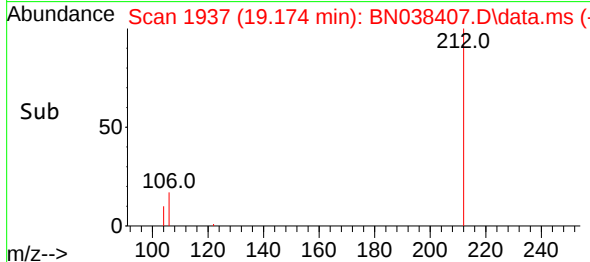
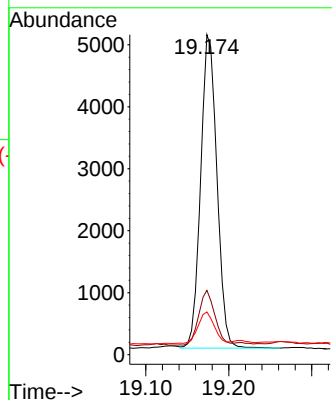
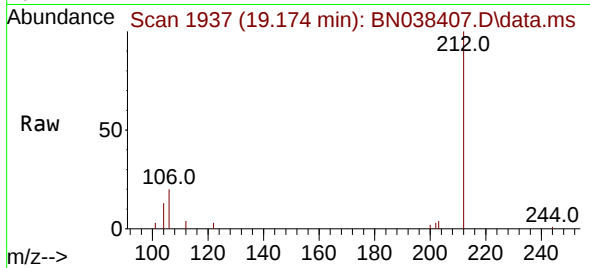
#27
Fluoranthene-d10
Concen: 0.181 ng
RT: 19.174 min Scan# 1937
Delta R.T. -0.014 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Instrument :
BNA_N
ClientSampleId :
COAN4

Tgt Ion:212 Resp: 6920
Ion Ratio Lower Upper
212 100
106 17.3 13.7 20.5
104 10.0 7.8 11.8

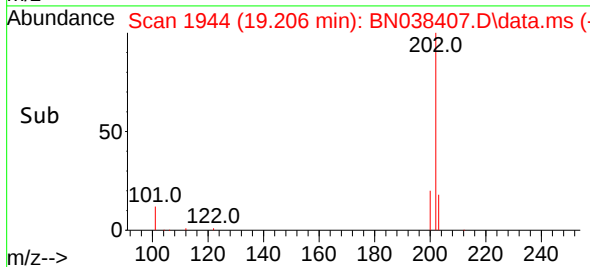
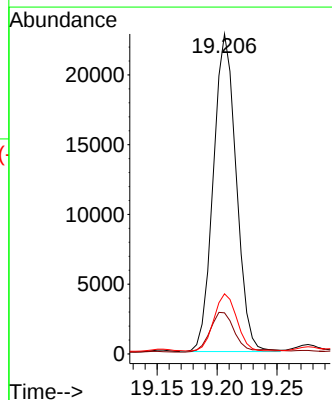
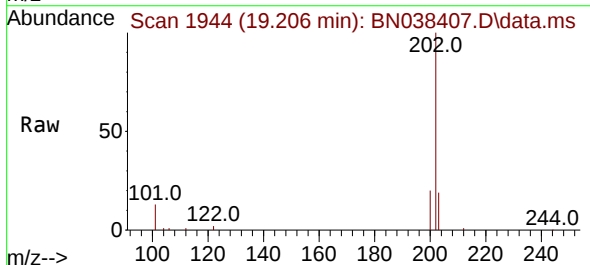
Manual Integrations
APPROVED

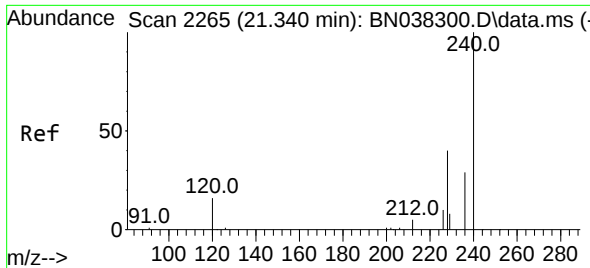
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#28
Fluoranthene
Concen: 0.529 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

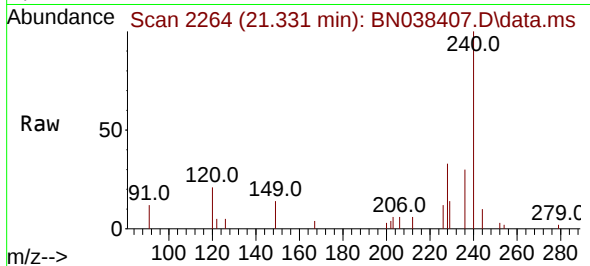
Tgt Ion:202 Resp: 30316
Ion Ratio Lower Upper
202 100
101 13.2 9.6 14.4
203 17.9 13.5 20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2131
Delta R.T. -0.009 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

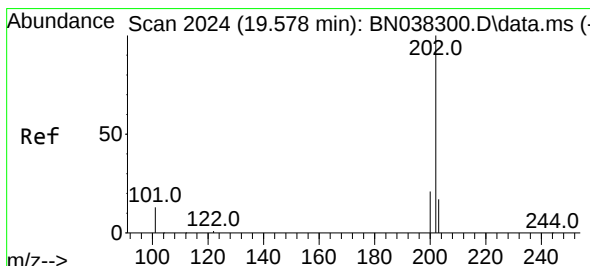
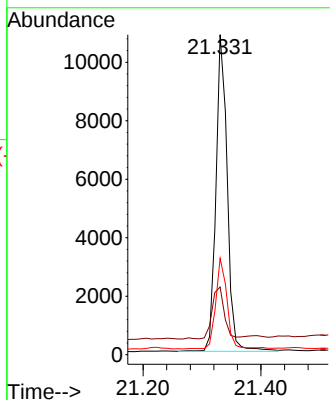
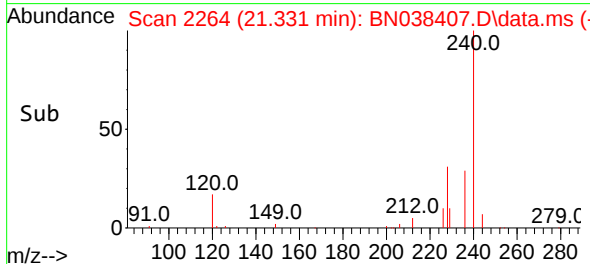
Instrument :
BNA_N
ClientSampleId :
C0AN4



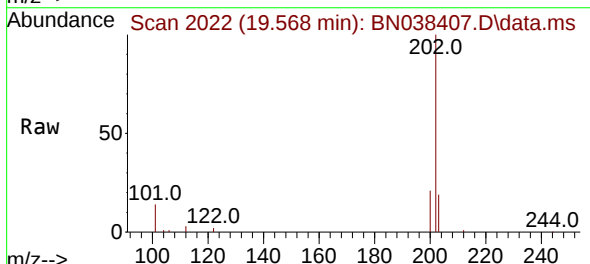
Tgt Ion:240 Resp: 1442
Ion Ratio Lower Upper
240 100
120 21.2 15.4 23.2
236 30.1 23.9 35.9

Manual Integrations
APPROVED

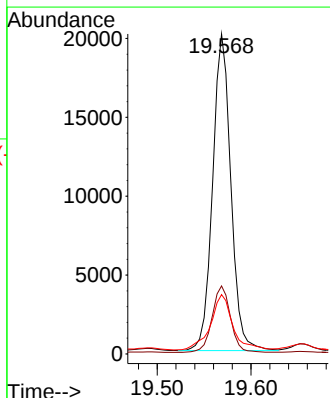
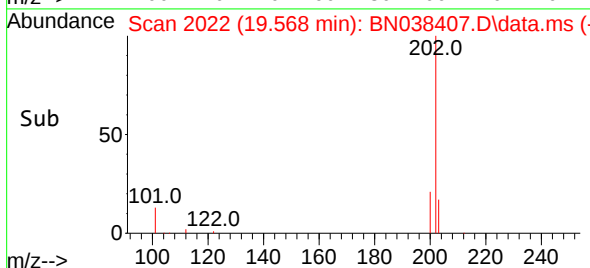
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

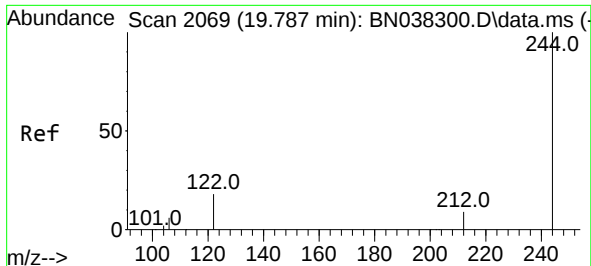


#30
Pyrene
Concen: 0.382 ng
RT: 19.568 min Scan# 2022
Delta R.T. -0.014 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33



Tgt Ion:202 Resp: 27122
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 21.1 14.2 21.2





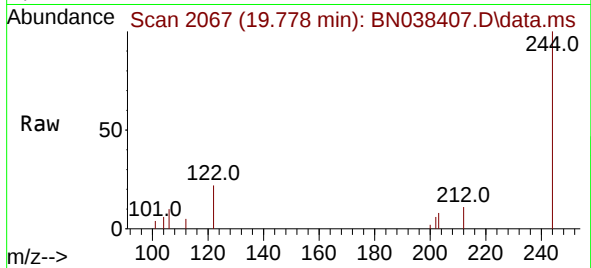
#31
 Terphenyl-d14
 Concen: 0.196 ng
 RT: 19.778 min Scan# 2067
 Delta R.T. -0.014 min
 Lab File: BN038407.D
 Acq: 15 Dec 2025 16:33

Instrument :

BNA_N

ClientSampleId :

COAN4



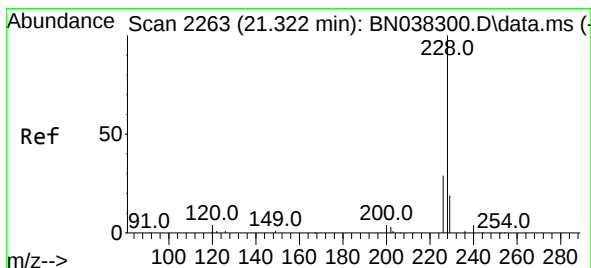
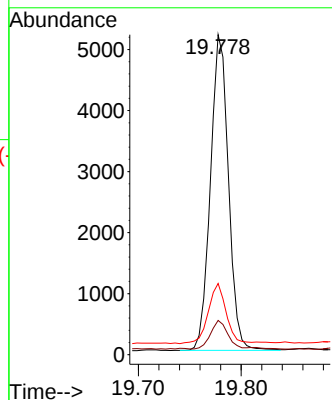
Tgt Ion:244 Resp: 6299
 Ion Ratio Lower Upper
 244 100
 212 10.7 7.9 11.9
 122 22.3 15.0 22.6

Manual Integrations

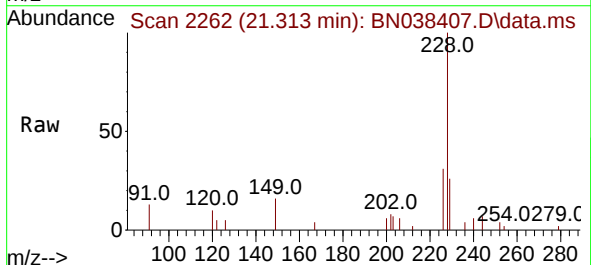
APPROVED

Reviewed By :Rahul Chavli 12/16/2025

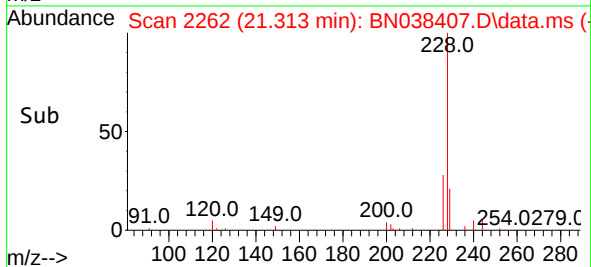
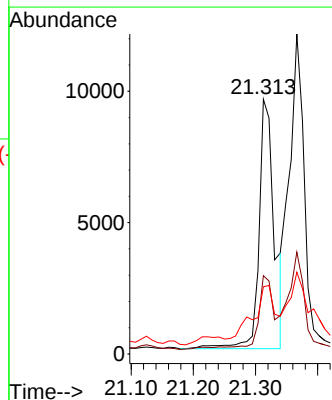
Supervised By :Jagrut Upadhyay 12/16/2025

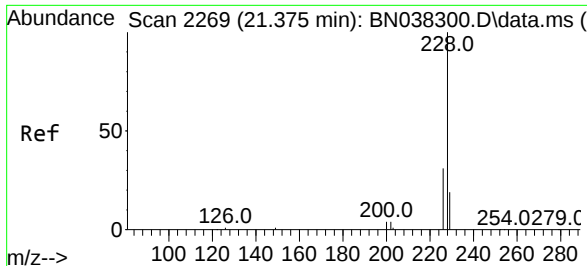


#32
 Benzo(a)anthracene
 Concen: 0.291 ng
 RT: 21.313 min Scan# 2262
 Delta R.T. -0.018 min
 Lab File: BN038407.D
 Acq: 15 Dec 2025 16:33



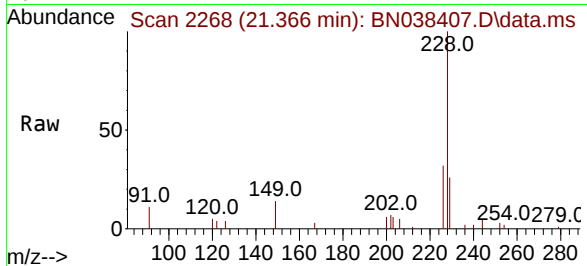
Tgt Ion:228 Resp: 16219
 Ion Ratio Lower Upper
 228 100
 226 30.7 23.3 34.9
 229 26.4 15.7 23.5#





#33
Chrysene
Concen: 0.322 ng
RT: 21.366 min Scan# 2136
Delta R.T. -0.009 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

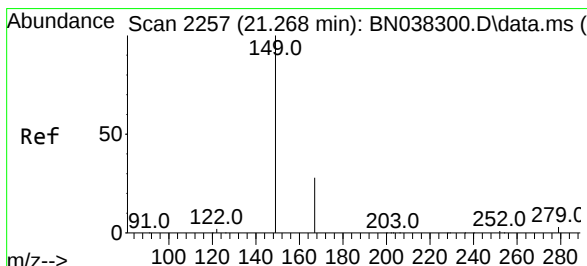
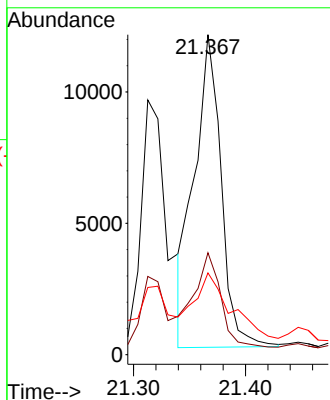
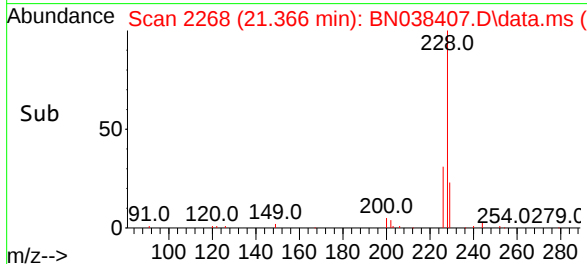
Instrument :
BNA_N
ClientSampleId :
COAN4



Tgt Ion:228 Resp: 1976
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.4
229 25.6 15.5 23.3

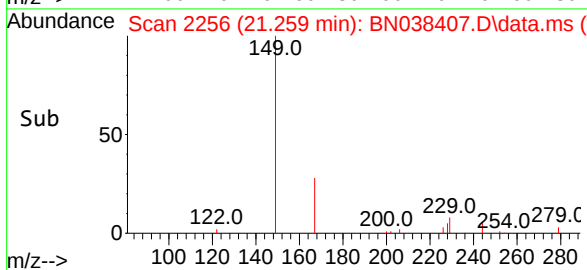
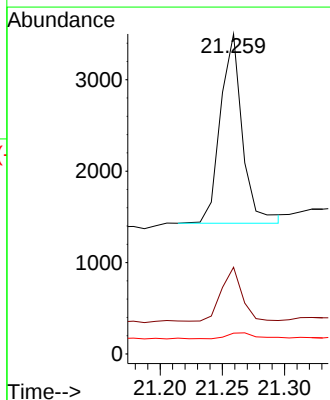
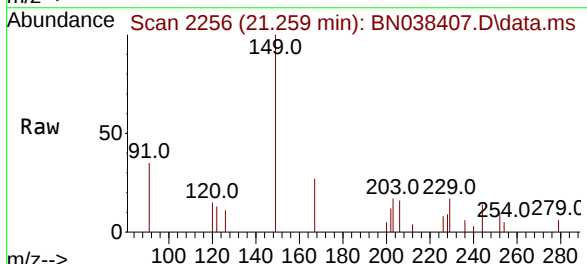
Manual Integrations
APPROVED

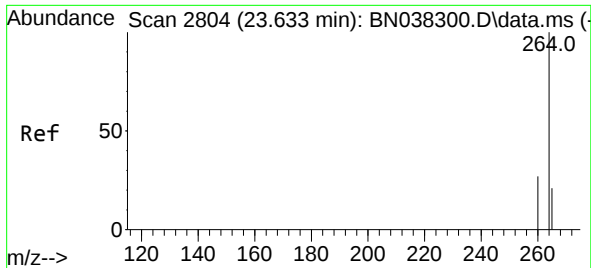
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.083 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.009 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

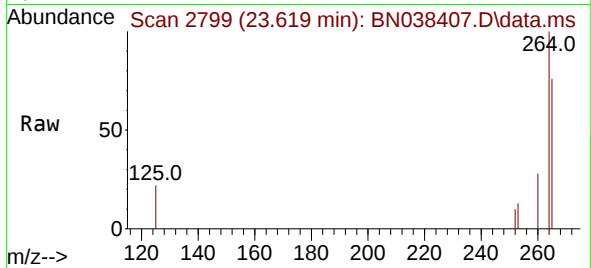
Tgt Ion:149 Resp: 2539
Ion Ratio Lower Upper
149 100
167 26.7 21.4 32.0
279 4.4 2.4 3.6





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.619 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

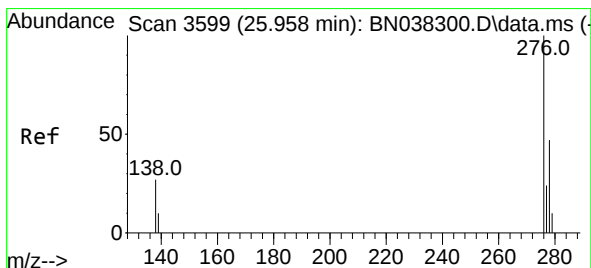
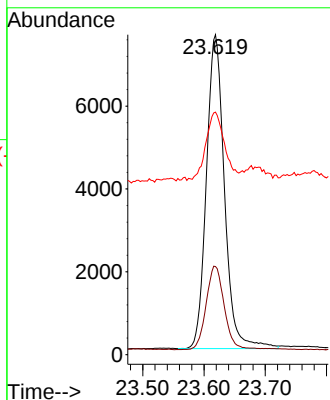
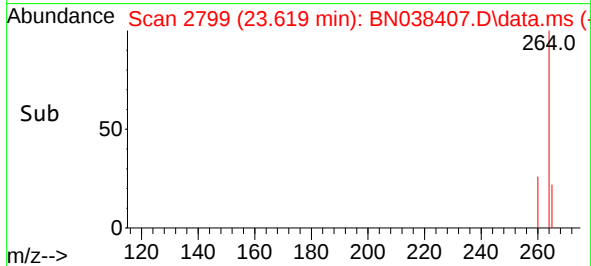
Instrument :
BNA_N
ClientSampleId :
COAN4



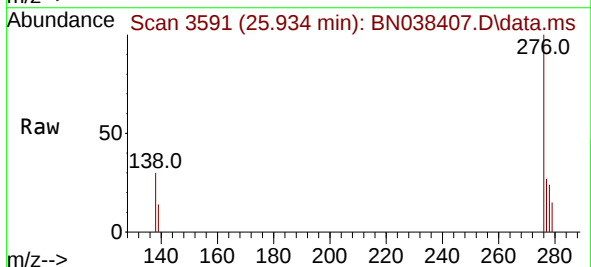
Tgt Ion:264 Resp: 1553
Ion Ratio Lower Upper
264 100
260 27.5 22.2 33.2
265 75.8 80.2 120.2

Manual Integrations
APPROVED

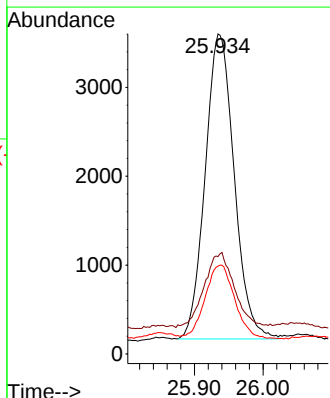
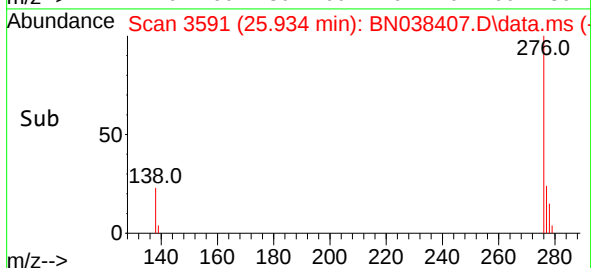
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

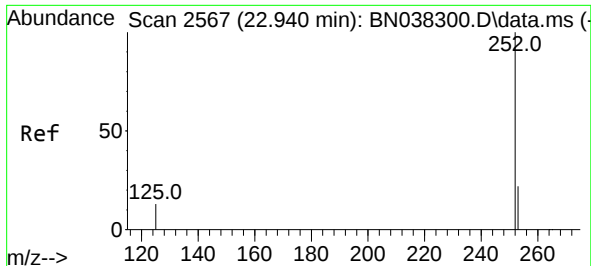


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.122 ng
RT: 25.934 min Scan# 3591
Delta R.T. -0.029 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33



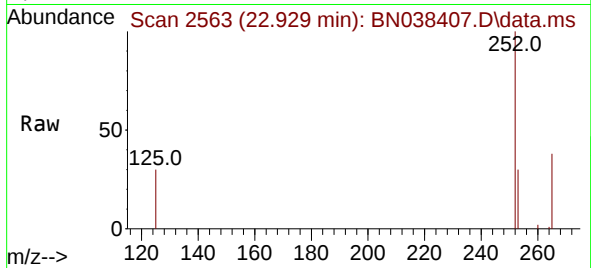
Tgt Ion:276 Resp: 10084
Ion Ratio Lower Upper
276 100
138 25.5 23.6 35.4
277 24.4 19.7 29.5





#37
Benzo(b)fluoranthene
Concen: 0.311 ng
RT: 22.929 min Scan# 2563
Delta R.T. -0.017 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

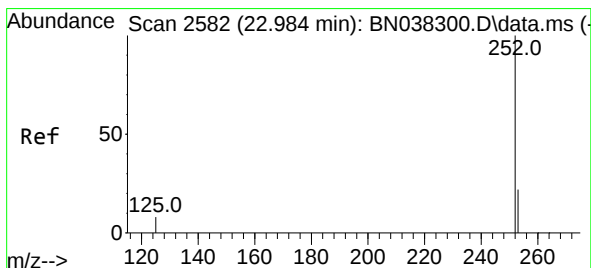
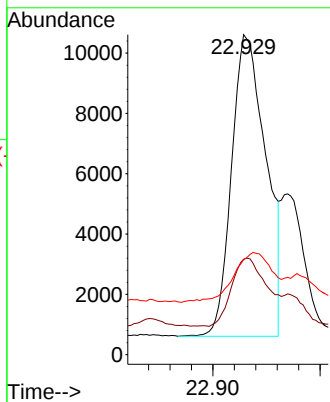
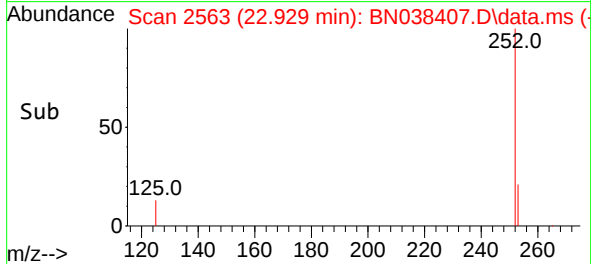
Instrument :
BNA_N
ClientSampleId :
COAN4



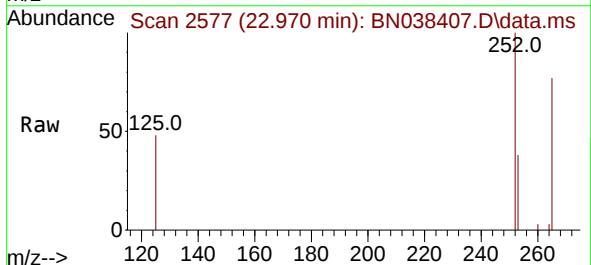
Tgt Ion:252 Resp: 2222
Ion Ratio Lower Upper
252 100
253 29.9 21.1 31.7
125 29.7 16.4 24.6

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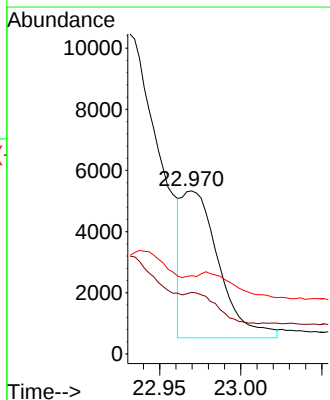
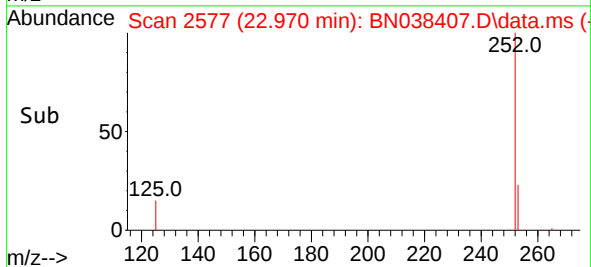
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

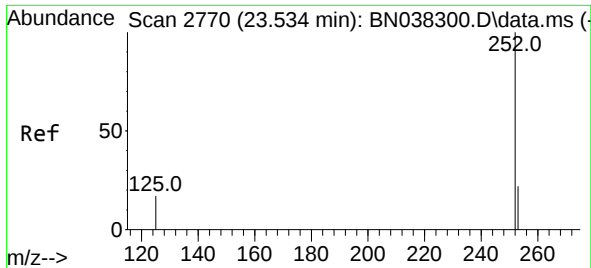


#38
Benzo(k)fluoranthene
Concen: 0.108 ng m
RT: 22.970 min Scan# 2577
Delta R.T. -0.020 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33



Tgt Ion:252 Resp: 7679
Ion Ratio Lower Upper
252 100
253 37.8 21.4 32.0#
125 48.0 16.2 24.2#





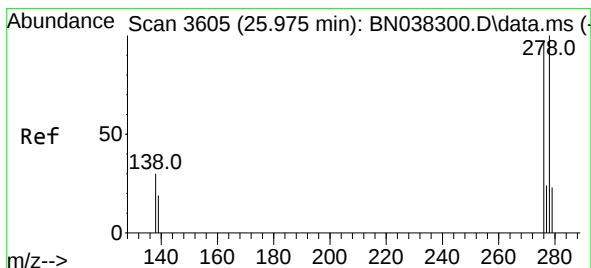
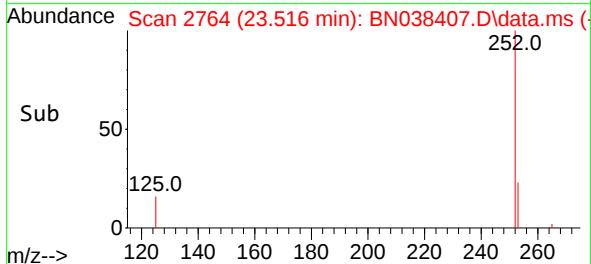
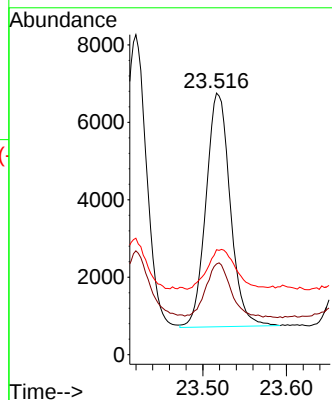
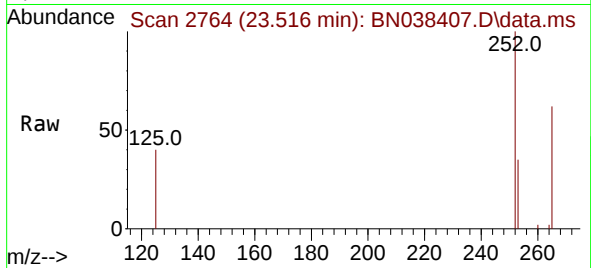
#39
Benzo(a)pyrene
Concen: 0.208 ng
RT: 23.516 min Scan# 2113
Delta R.T. -0.017 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Instrument :
BNA_N
ClientSampleId :
COAN4

Tgt Ion:252 Resp: 1213
Ion Ratio Lower Upper
252 100
253 34.7 23.3 34.9
125 40.1 22.4 33.6

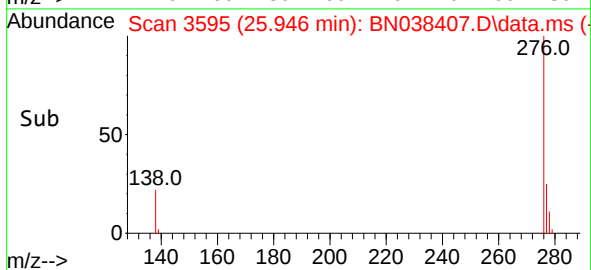
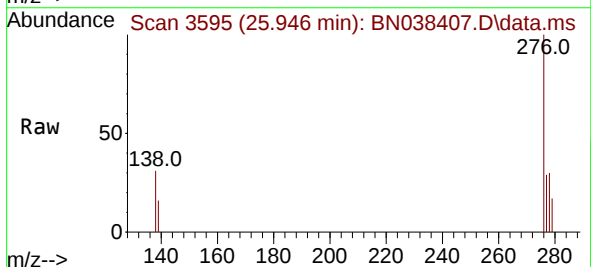
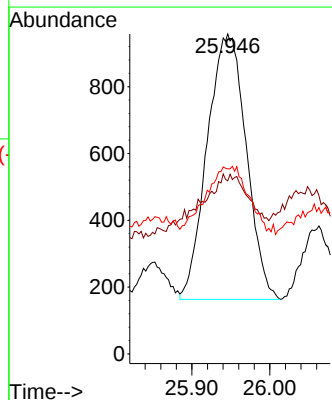
Manual Integrations
APPROVED

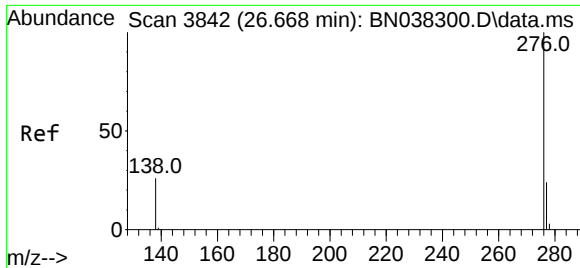
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#40
Dibenzo(a,h)anthracene
Concen: 0.044 ng
RT: 25.946 min Scan# 3595
Delta R.T. -0.035 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

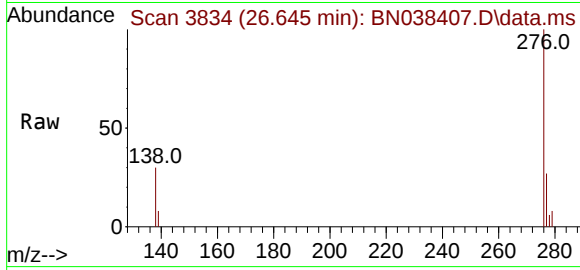
Tgt Ion:278 Resp: 2767
Ion Ratio Lower Upper
278 100
139 54.1 17.8 26.8#
279 57.8 21.3 31.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.178 ng
 RT: 26.645 min Scan# 3842
 Delta R.T. -0.032 min
 Lab File: BN038407.D
 Acq: 15 Dec 2025 16:33

Instrument :
 BNA_N
 ClientSampleId :
 C0AN4



Tgt Ion:	276	Resp:	1265
Ion Ratio	Lower	Upper	
276	100		
277	26.7	20.0	30.0
138	30.4	21.8	32.6

Manual Integrations
 APPROVED

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

