

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038405.D
 Acq On : 15 Dec 2025 15:20
 Operator : RC/JU
 Sample : Q3839-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN2

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 15:46:48 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	5330	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	14443	0.400	ng	-0.01
13) Acenaphthene-d10	14.388	164	7322	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	12872	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	11614	0.400	ng	0.00
35) Perylene-d12	23.619	264	12367	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3388	0.255	ng	0.00
5) Phenol-d6	6.879	99	3835	0.243	ng	0.00
8) Nitrobenzene-d5	8.865	82	3178	0.261	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	4275	0.210	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	683	0.210	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	9536	0.270	ng	0.00
27) Fluoranthene-d10	19.178	212	5907	0.186	ng	0.00
31) Terphenyl-d14	19.777	244	4659	0.180	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.562	128	3802	0.089	ng	# 94
12) 2-Methylnaphthalene	12.192	142	2841	0.105	ng	96
25) Phenanthrene	17.173	178	6044	0.135	ng	98
28) Fluoranthene	19.206	202	7565	0.159	ng	99
30) Pyrene	19.568	202	5628	0.098	ng	96
32) Benzo(a)anthracene	21.322	228	3674	0.082	ng	# 86
33) Chrysene	21.366	228	4793	0.097	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.259	149	11746	0.477	ng	99
36) Indeno(1,2,3-cd)pyrene	25.940	276	2078	0.032	ng	96
37) Benzo(b)fluoranthene	22.929	252	5732	0.101	ng	# 57
38) Benzo(k)fluoranthene	22.970	252	1642m	0.029	ng	
39) Benzo(a)pyrene	23.516	252	2054	0.044	ng	# 18
41) Benzo(g,h,i)perylene	26.642	276	2261	0.040	ng	# 79

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

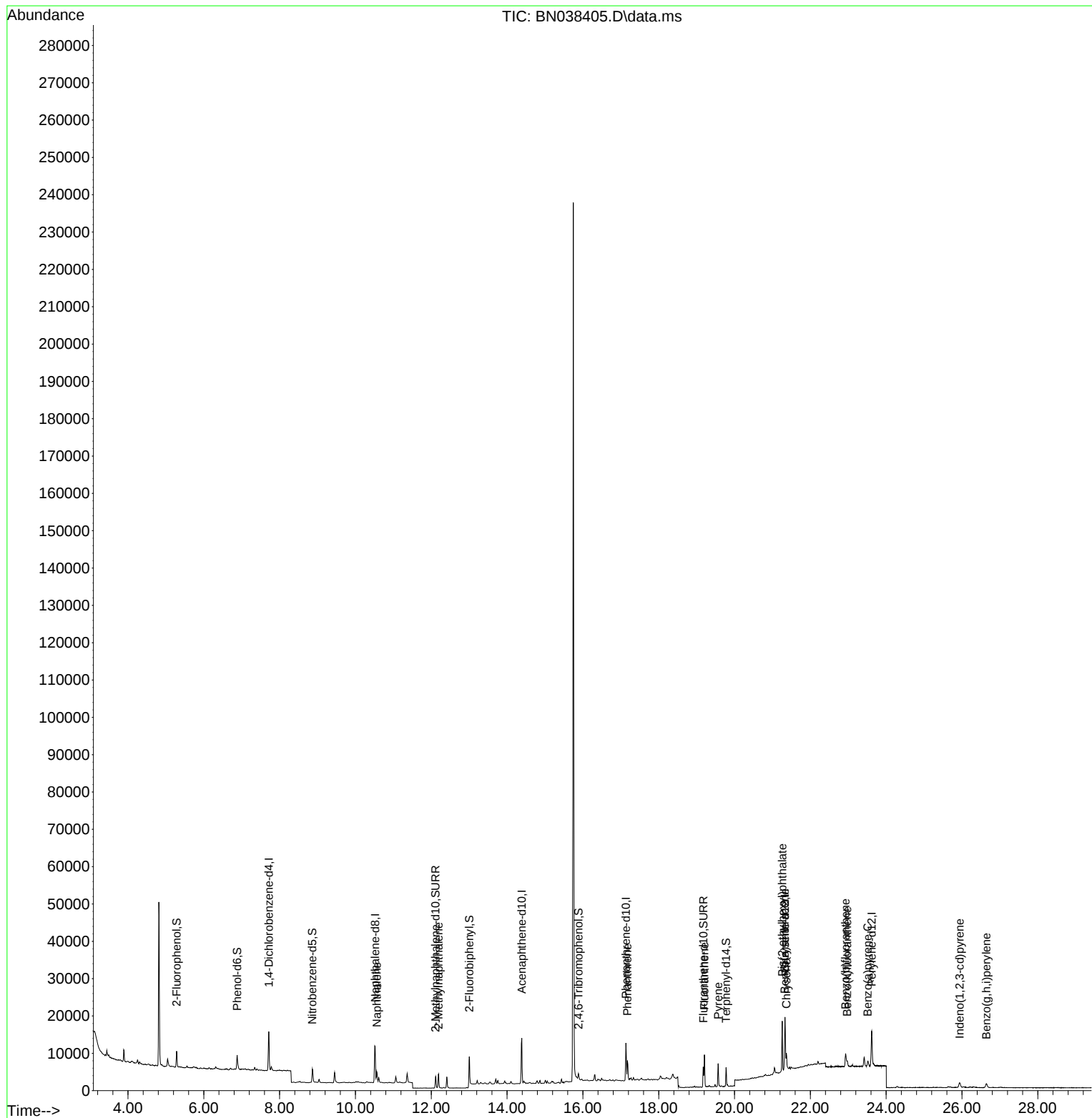
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
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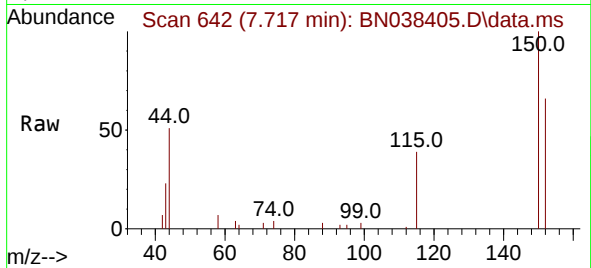
Quant Time: Dec 15 15:46:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 643
Delta R.T. -0.007 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

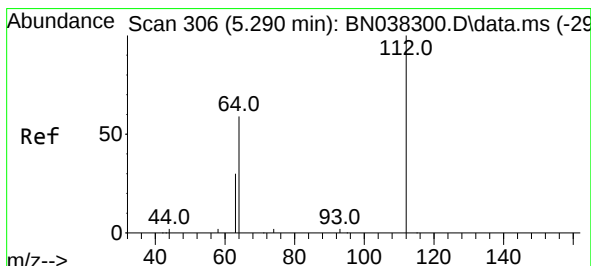
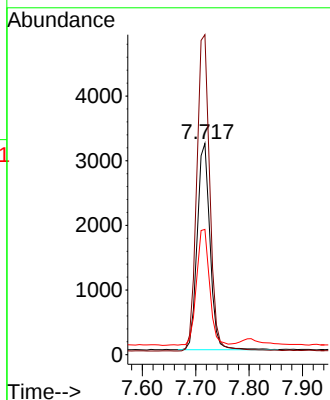
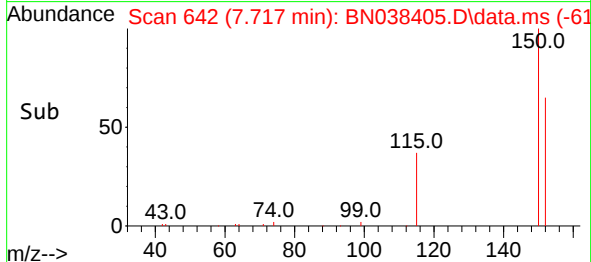
Instrument :
BNA_N
ClientSampleId :
COAN2



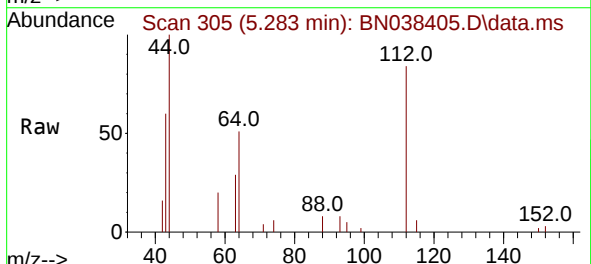
Tgt Ion:152 Resp: 5330
Ion Ratio Lower Upper
152 100
150 151.5 122.4 183.6
115 59.3 47.3 70.9

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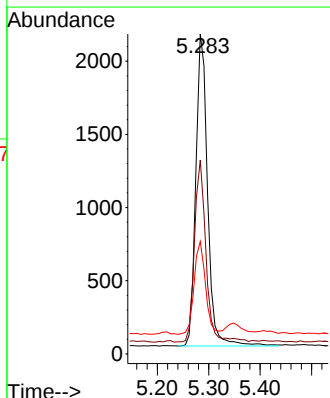
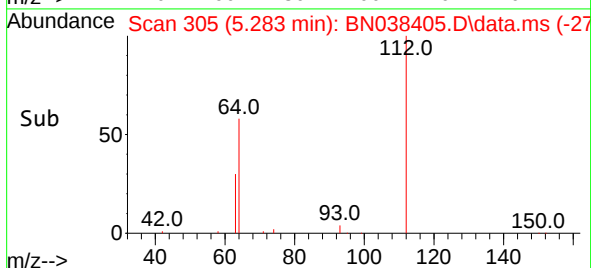
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

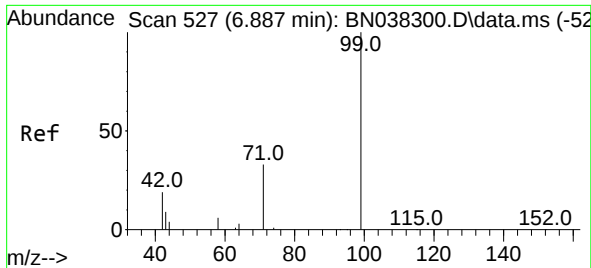


#4
2-Fluorophenol
Concen: 0.255 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20



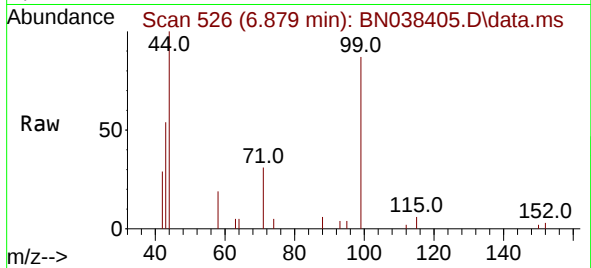
Tgt Ion:112 Resp: 3388
Ion Ratio Lower Upper
112 100
64 56.5 44.4 66.6
63 28.7 23.4 35.0





#5
Phenol-d6
Concen: 0.243 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

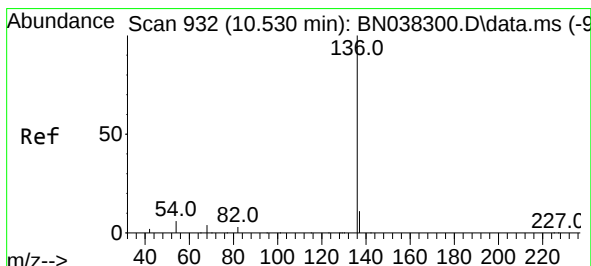
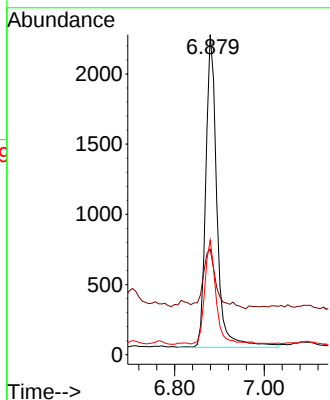
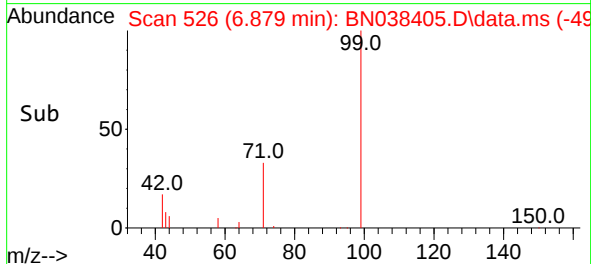
Instrument :
BNA_N
ClientSampleId :
COAN2



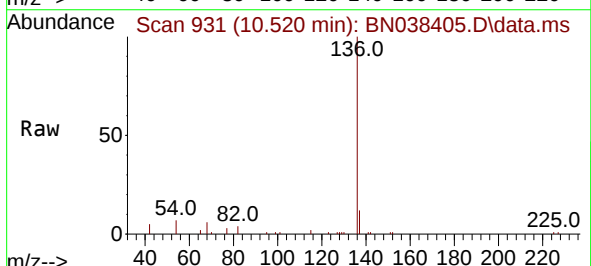
Tgt Ion: 99 Resp: 383
Ion Ratio Lower Upper
99 100
42 22.8 16.5 24.7
71 32.8 24.9 37.3

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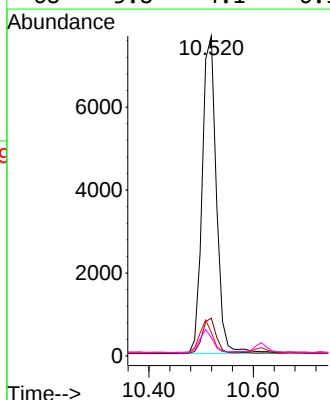
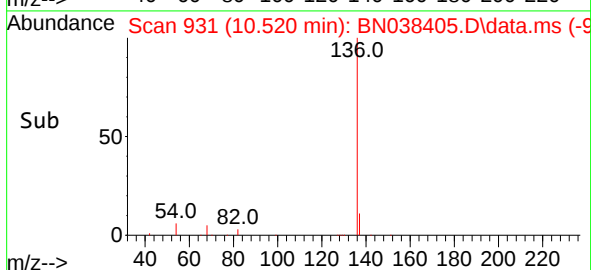
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20



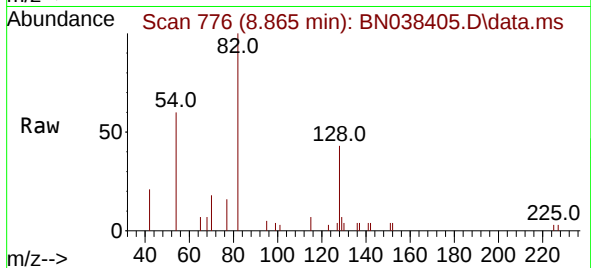
Tgt Ion:136 Resp: 14443
Ion Ratio Lower Upper
136 100
137 11.8 9.1 13.7
54 7.3 5.2 7.8
68 5.8 4.1 6.1





#8
Nitrobenzene-d5
Concen: 0.261 ng
RT: 8.865 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

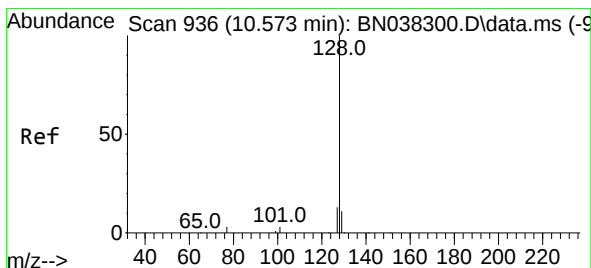
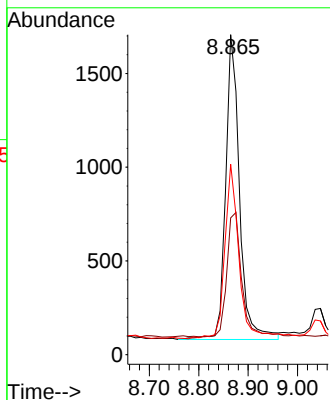
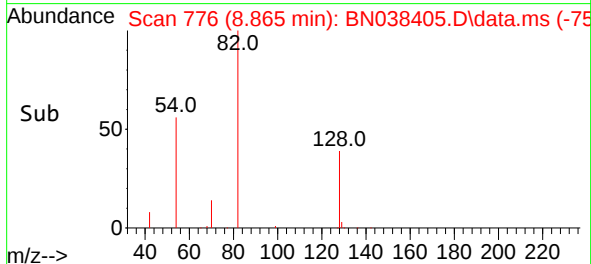
Instrument :
BNA_N
ClientSampleId :
COAN2



Tgt Ion: 82 Resp: 3178
Ion Ratio Lower Upper
82 100
128 42.8 34.0 51.0
54 59.5 44.4 66.6

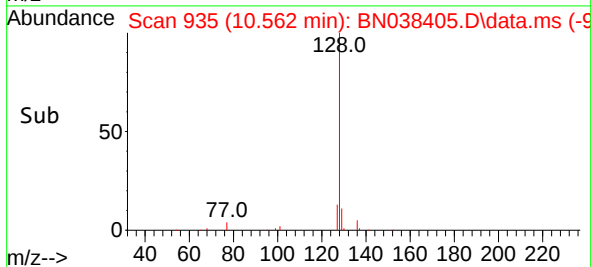
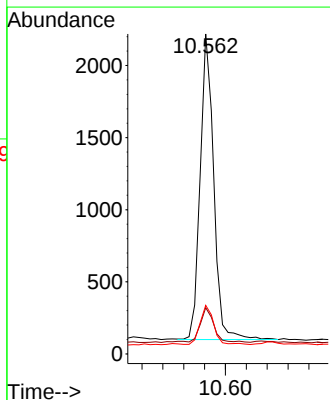
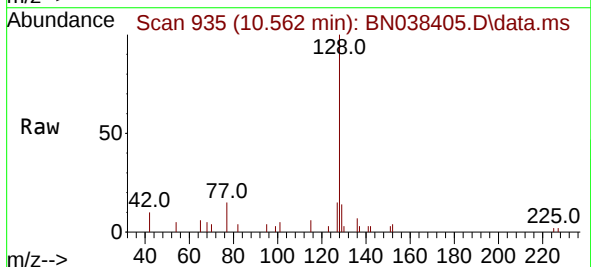
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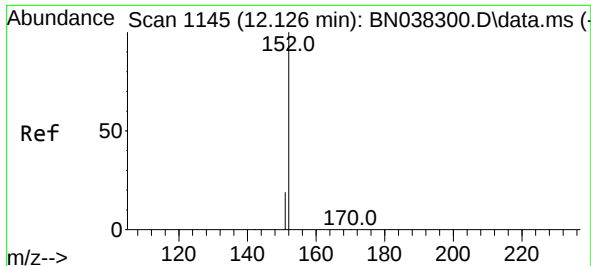
Reviewed By :Rahul Chavli 12/16/2025
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#9
Naphthalene
Concen: 0.089 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

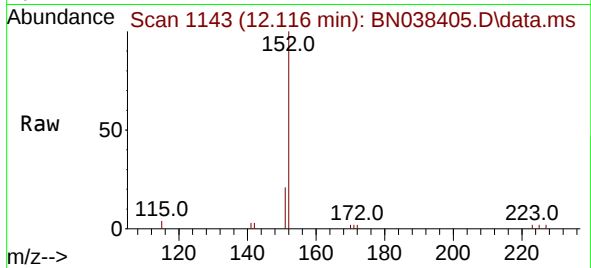
Tgt Ion:128 Resp: 3802
Ion Ratio Lower Upper
128 100
129 14.4 9.1 13.7#
127 15.2 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.210 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

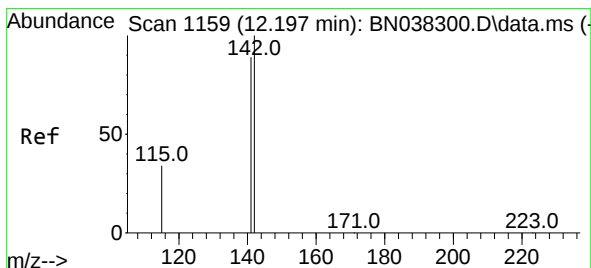
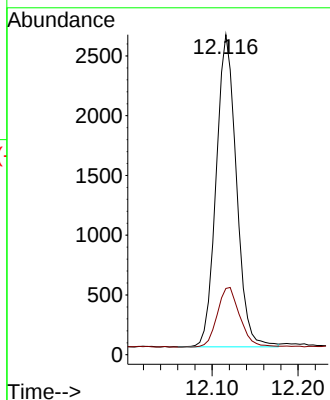
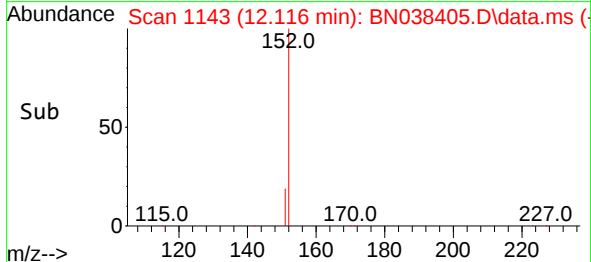
Instrument :
BNA_N
ClientSampleId :
COAN2



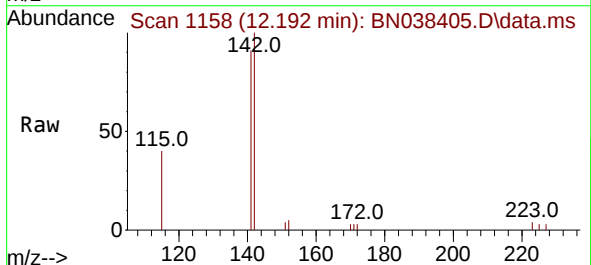
Tgt Ion:152 Resp: 4275
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6

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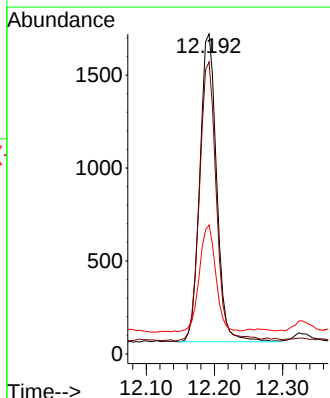
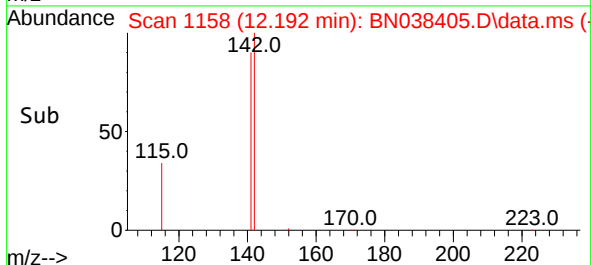
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

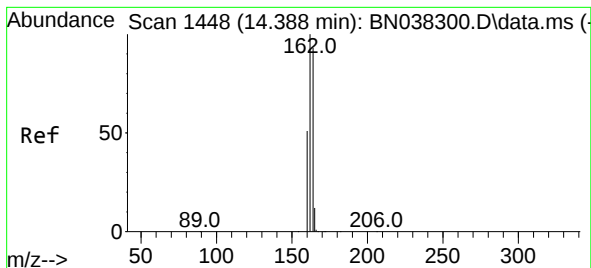


#12
2-Methylnaphthalene
Concen: 0.105 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20



Tgt Ion:142 Resp: 2841
Ion Ratio Lower Upper
142 100
141 91.2 71.4 107.2
115 40.3 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: BN038405.D

Acq: 15 Dec 2025 15:20

Instrument :

BNA_N

ClientSampleId :

COAN2

Tgt Ion:164 Resp: 732

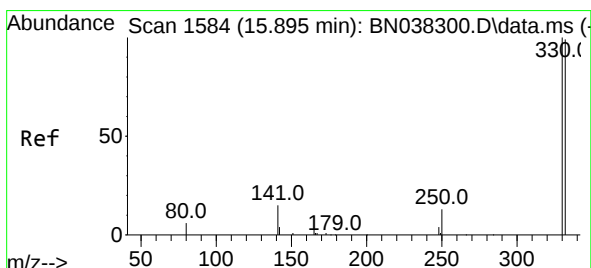
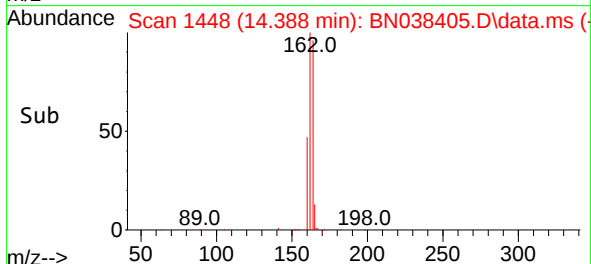
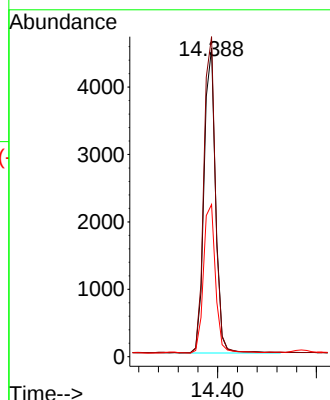
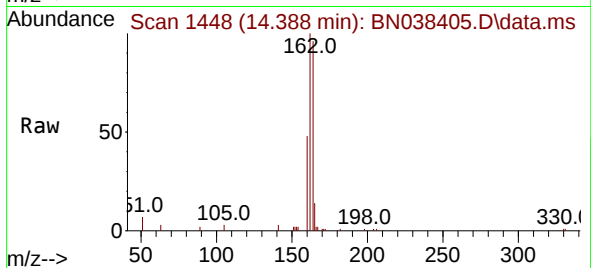
Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.2	129.4
160	49.4	44.6	67.0

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Supervised By :Jagrut Upadhyay 12/16/2025



#14

2,4,6-Tribromophenol

Concen: 0.210 ng

RT: 15.882 min Scan# 1583

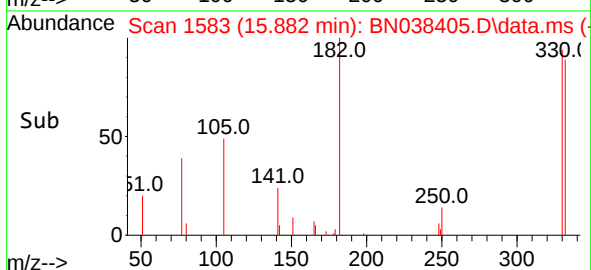
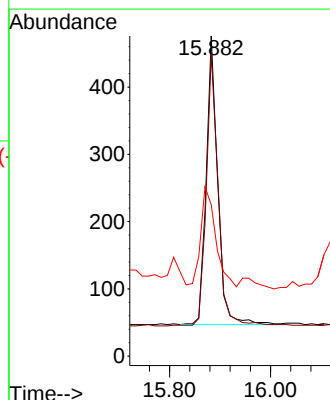
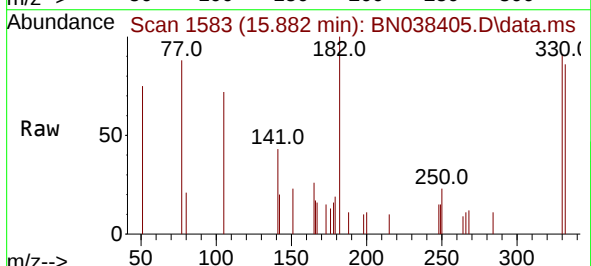
Delta R.T. -0.012 min

Lab File: BN038405.D

Acq: 15 Dec 2025 15:20

Tgt Ion:330 Resp: 683

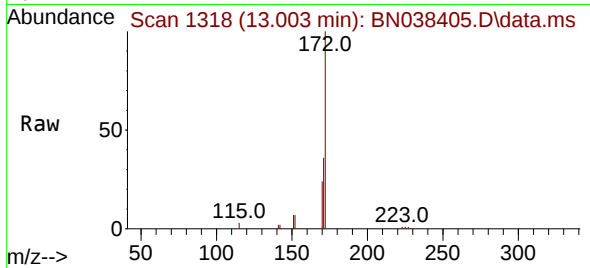
Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.8	113.6
141	44.5	31.8	47.8





#15
2-Fluorobiphenyl
Concen: 0.270 ng
RT: 13.003 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

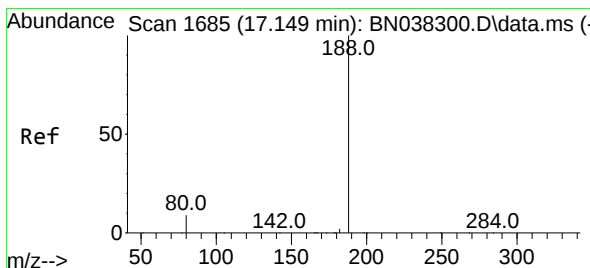
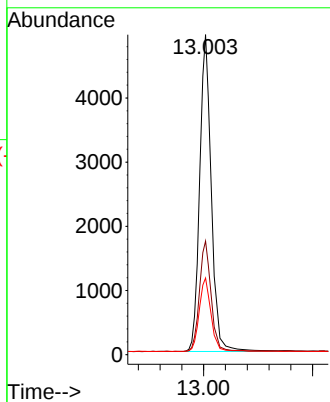
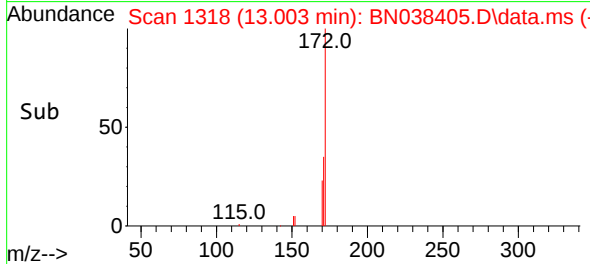
Instrument :
BNA_N
ClientSampleId :
COAN2



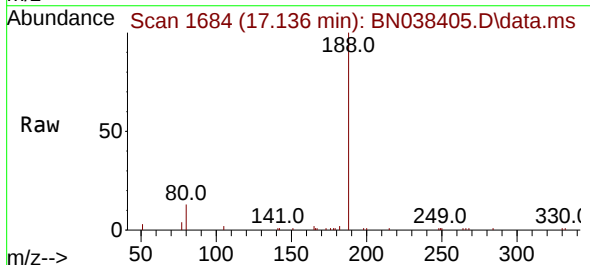
Tgt Ion:172 Resp: 9530
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.9 19.3 28.9

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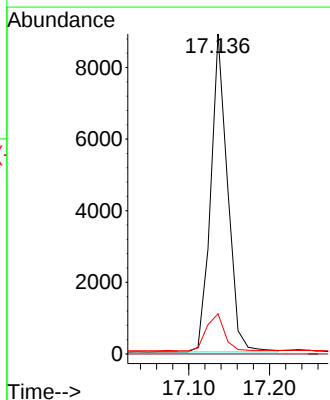
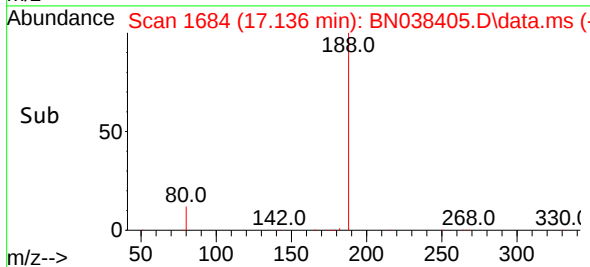
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

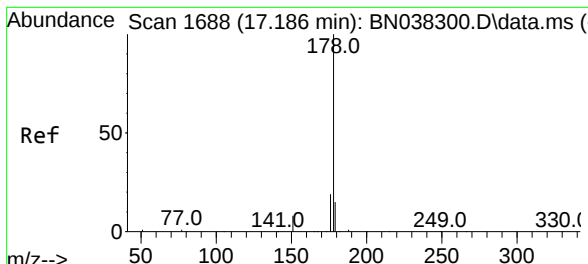


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20



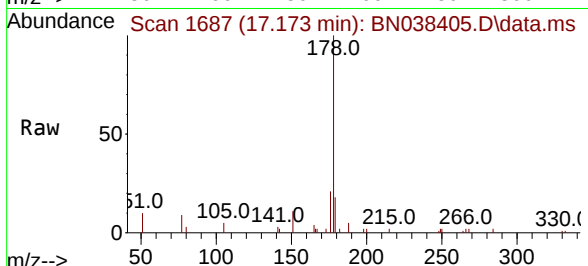
Tgt Ion:188 Resp: 12872
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.6 7.4 11.0#





#25
 Phenanthrene
 Concen: 0.135 ng
 RT: 17.173 min Scan# 1687
 Delta R.T. -0.012 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20

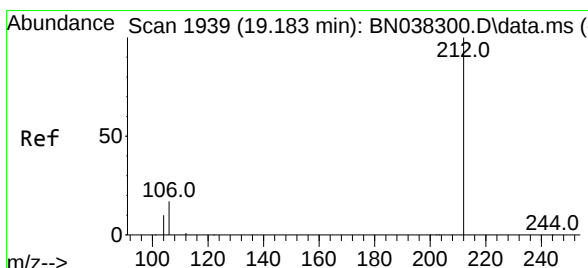
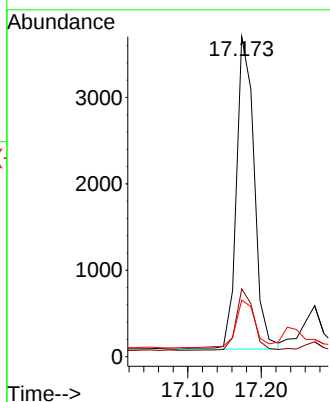
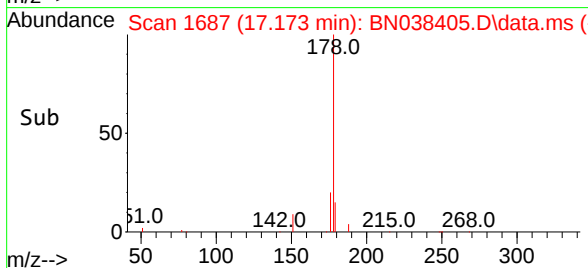
Instrument :
 BNA_N
 ClientSampleId :
 C0AN2



Tgt Ion:	178	Resp:	604
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.5	23.3
179	16.8	12.2	18.2

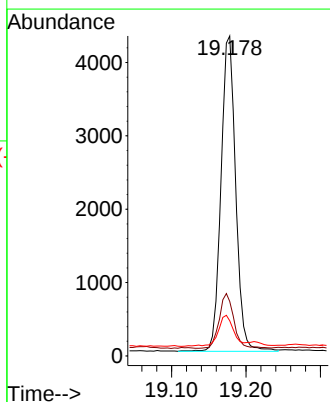
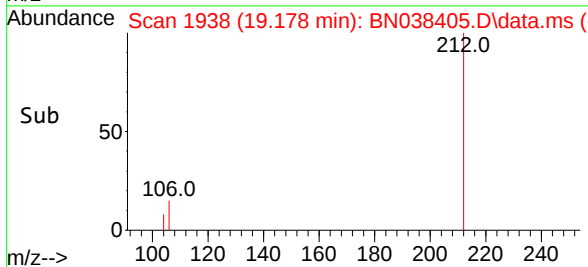
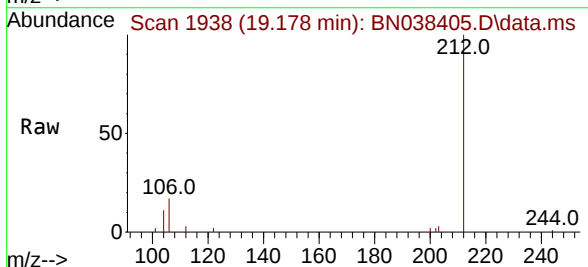
Manual Integrations
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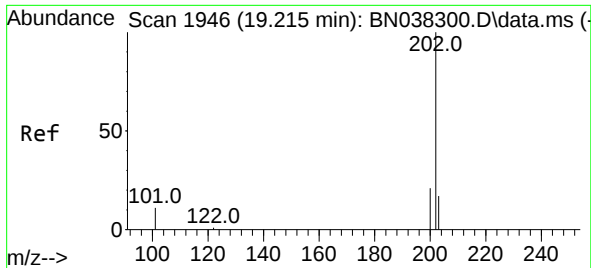
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025



#27
 Fluoranthene-d10
 Concen: 0.186 ng
 RT: 19.178 min Scan# 1938
 Delta R.T. -0.009 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20

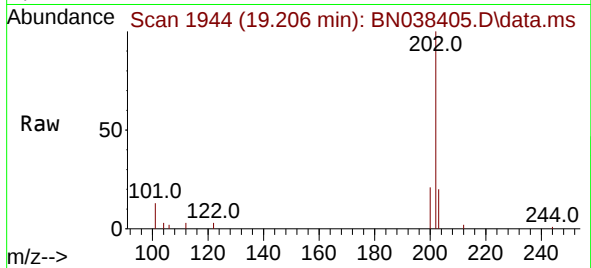
Tgt Ion:	212	Resp:	5907
Ion Ratio	Lower	Upper	
212	100		
106	17.3	13.7	20.5
104	9.4	7.8	11.8





#28
Fluoranthene
Concen: 0.159 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

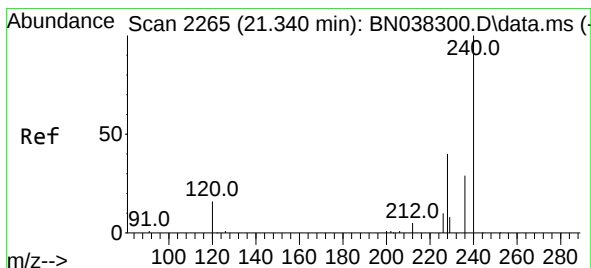
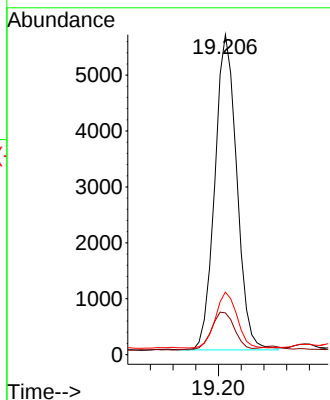
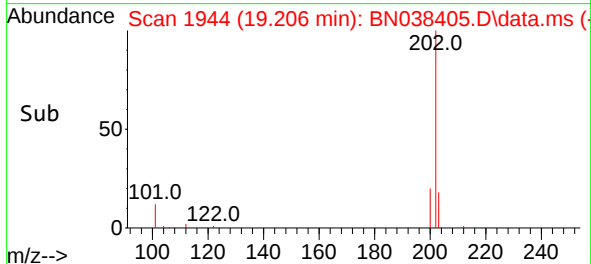
Instrument :
BNA_N
ClientSampleId :
COAN2



Tgt Ion:202 Resp: 756
Ion Ratio Lower Upper
202 100
101 12.7 9.6 14.4
203 17.3 13.5 20.3

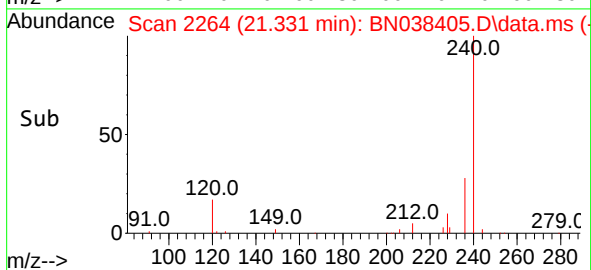
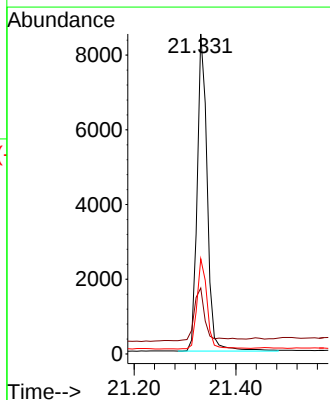
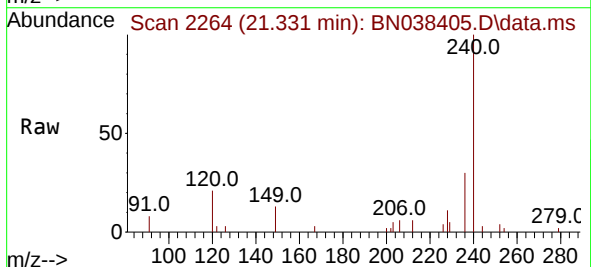
Manual Integrations
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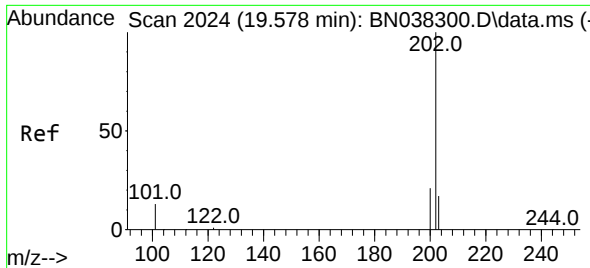
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

Tgt Ion:240 Resp: 11614
Ion Ratio Lower Upper
240 100
120 20.6 15.4 23.2
236 29.7 23.9 35.9





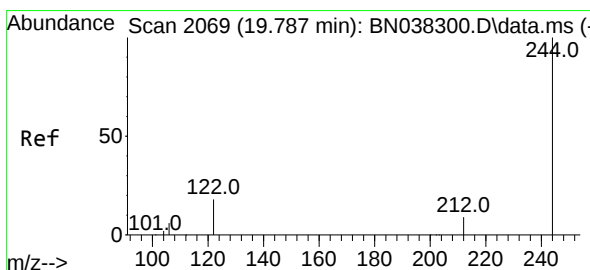
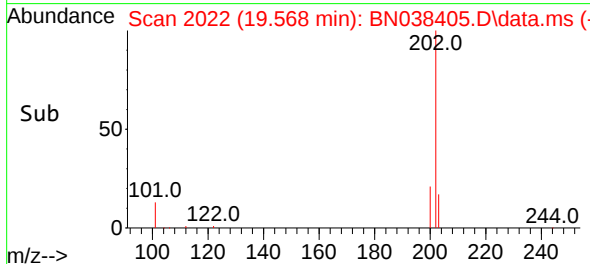
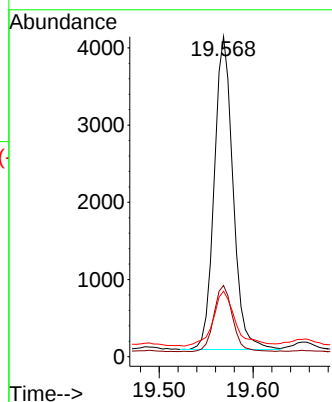
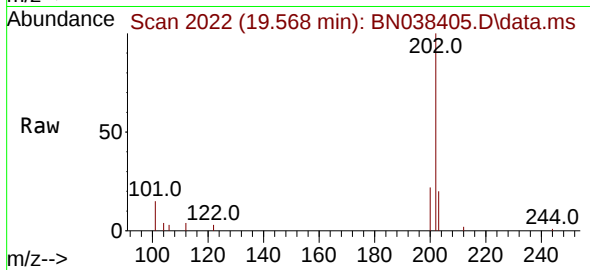
#30
Pyrene
Concen: 0.098 ng
RT: 19.568 min Scan# 2022
Delta R.T. -0.014 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

Instrument :
BNA_N
ClientSampleId :
COAN2

Tgt Ion:202 Resp: 5628
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 20.9 14.2 21.2

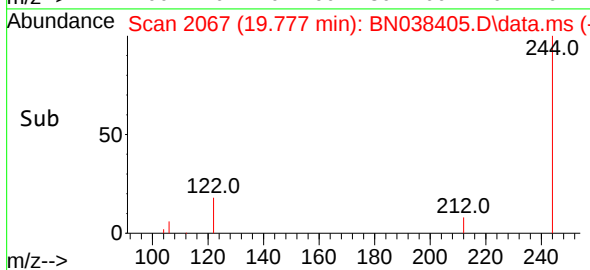
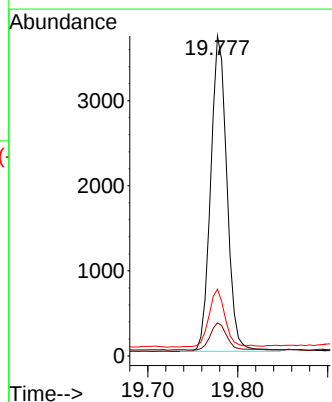
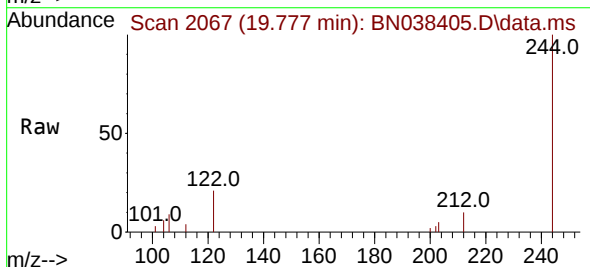
Manual Integrations
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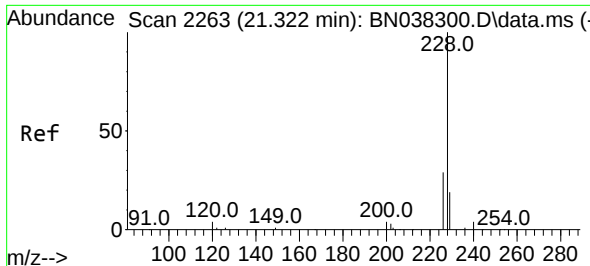
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#31
Terphenyl-d14
Concen: 0.180 ng
RT: 19.777 min Scan# 2067
Delta R.T. -0.014 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

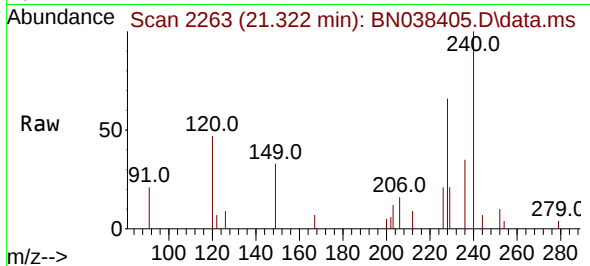
Tgt Ion:244 Resp: 4659
Ion Ratio Lower Upper
244 100
212 10.3 7.9 11.9
122 20.9 15.0 22.6





#32
Benzo(a)anthracene
Concen: 0.082 ng
RT: 21.322 min Scan# 2132
Delta R.T. -0.009 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

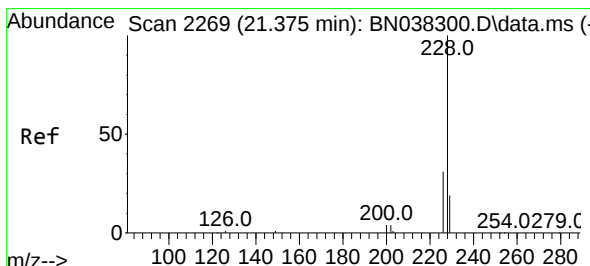
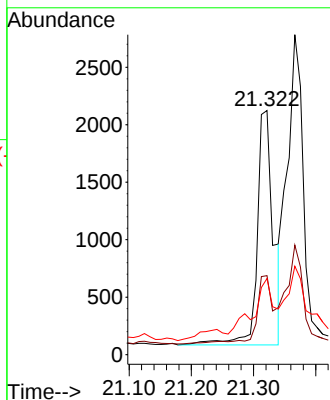
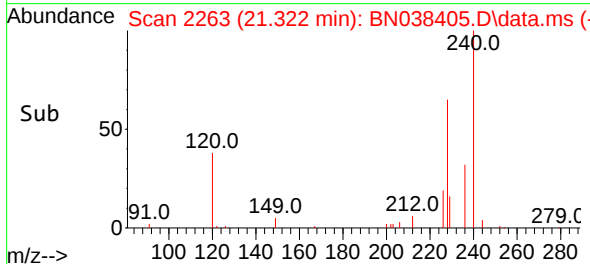
Instrument :
BNA_N
ClientSampleId :
COAN2



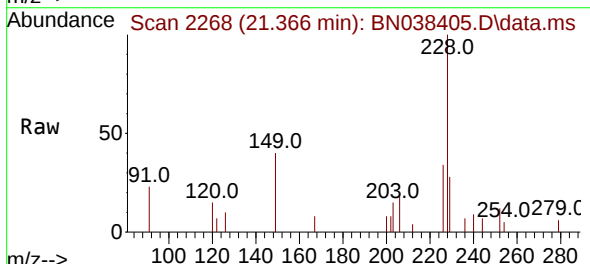
Tgt Ion:228 Resp: 3674
Ion Ratio Lower Upper
228 100
226 32.3 23.3 34.9
229 31.2 15.7 23.5

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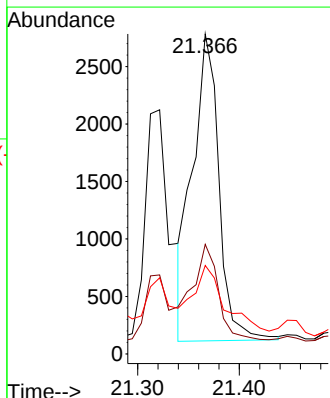
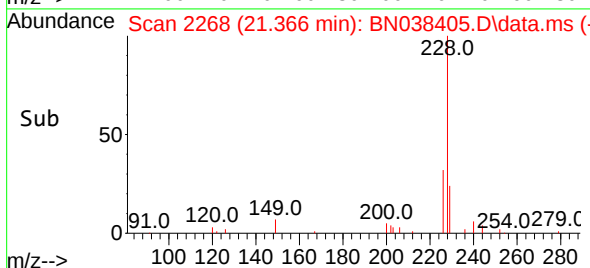
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

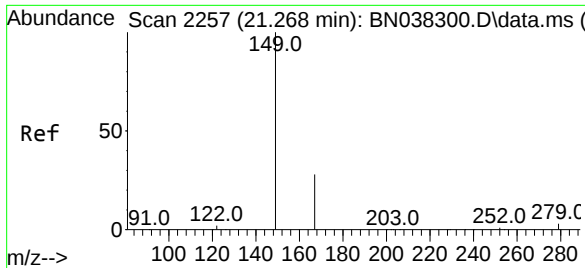


#33
Chrysene
Concen: 0.097 ng
RT: 21.366 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20



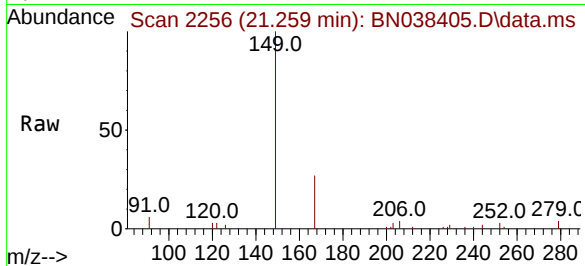
Tgt Ion:228 Resp: 4793
Ion Ratio Lower Upper
228 100
226 34.2 25.0 37.4
229 27.7 15.5 23.3





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.477 ng
 RT: 21.259 min Scan# 2174
 Delta R.T. -0.009 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20

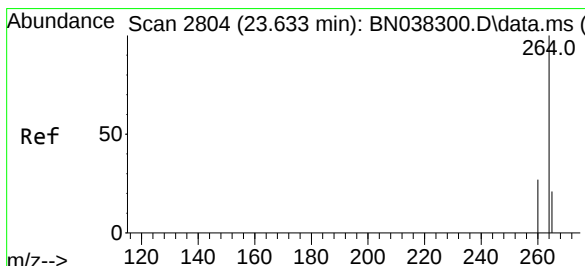
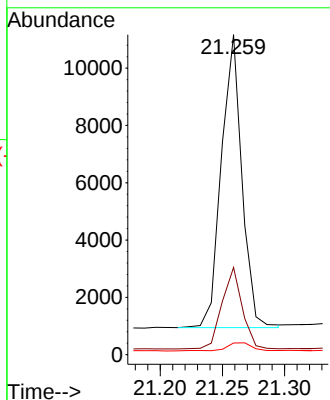
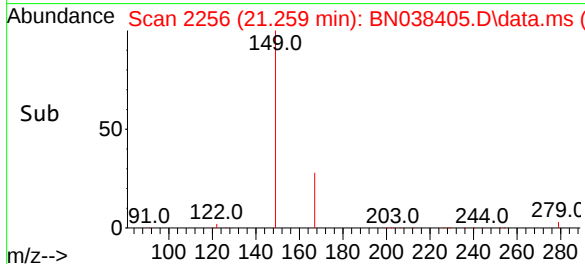
Instrument :
 BNA_N
 ClientSampleId :
 COAN2



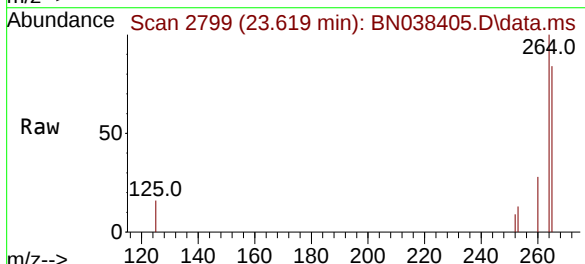
Tgt Ion:149 Resp: 11740
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.4 32.0
 279 3.6 2.4 3.6

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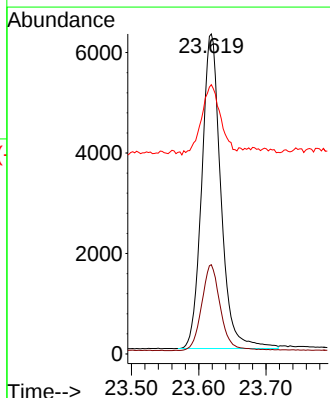
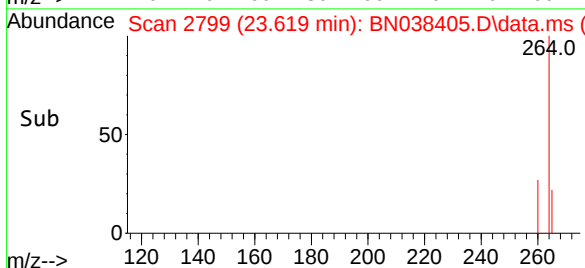
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

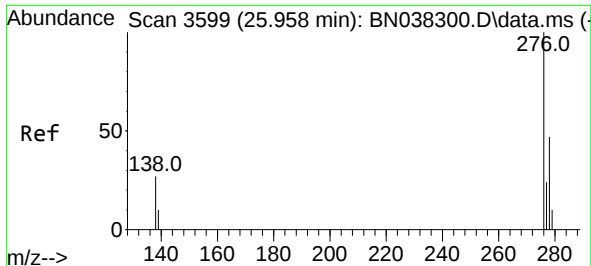


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.619 min Scan# 2799
 Delta R.T. -0.015 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20



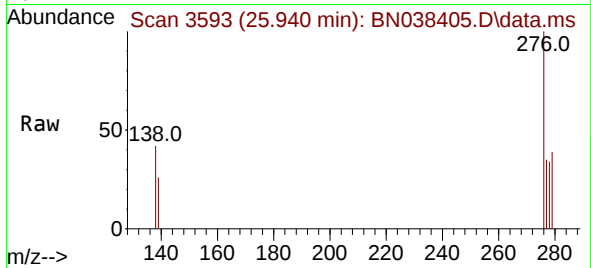
Tgt Ion:264 Resp: 12367
 Ion Ratio Lower Upper
 264 100
 260 27.9 22.2 33.2
 265 84.1 80.2 120.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.032 ng
RT: 25.940 min Scan# 3593
Delta R.T. -0.023 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

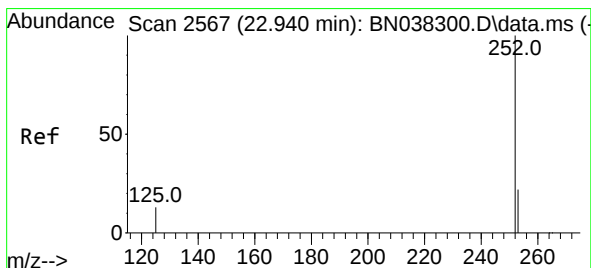
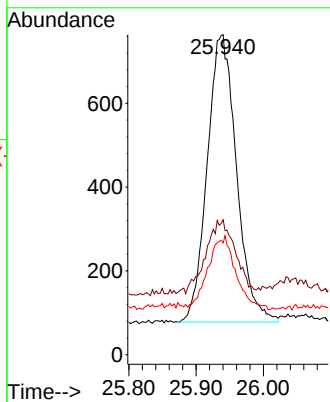
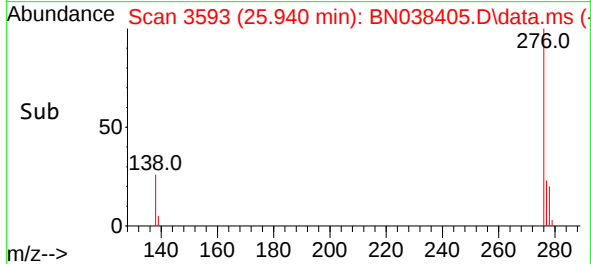
Instrument :
BNA_N
ClientSampleId :
COAN2



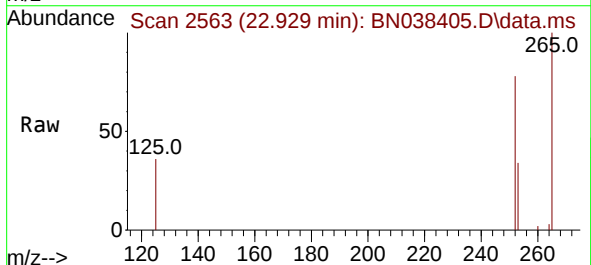
Tgt Ion:276 Resp: 2078
Ion Ratio Lower Upper
276 100
138 25.6 23.6 35.4
277 24.2 19.7 29.5

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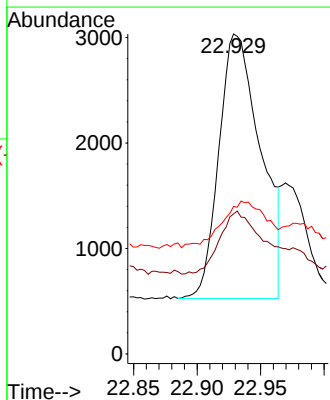
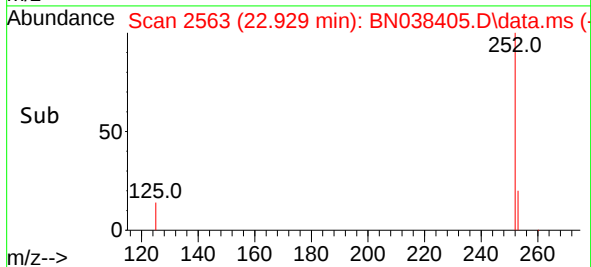
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

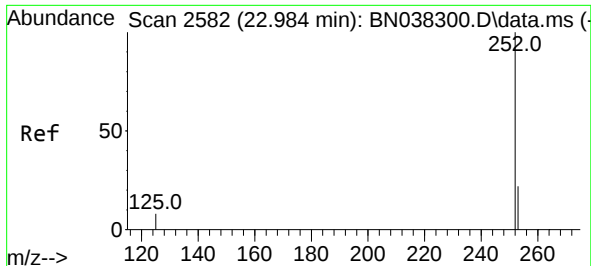


#37
Benzo(b)fluoranthene
Concen: 0.101 ng
RT: 22.929 min Scan# 2563
Delta R.T. -0.017 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20



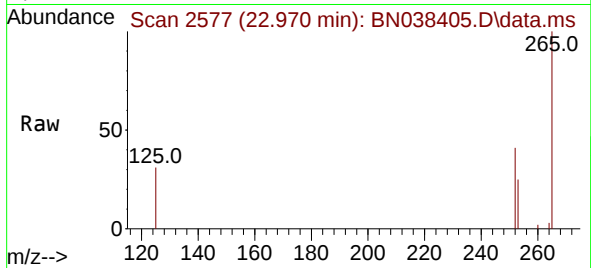
Tgt Ion:252 Resp: 5732
Ion Ratio Lower Upper
252 100
253 43.7 21.1 31.7#
125 46.1 16.4 24.6#





#38
Benzo(k)fluoranthene
Concen: 0.029 ng m
RT: 22.970 min Scan# 21
Delta R.T. -0.020 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

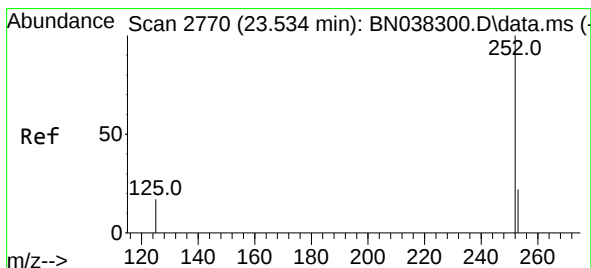
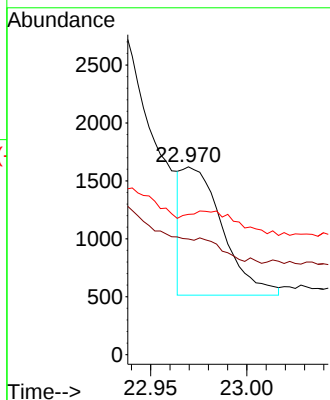
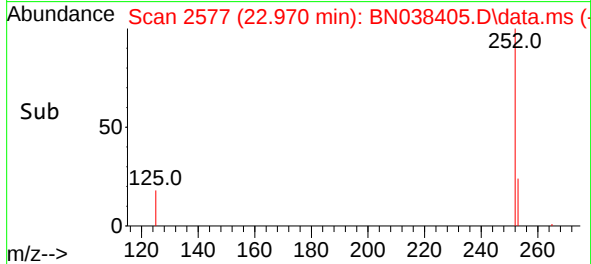
Instrument :
BNA_N
ClientSampleId :
COAN2



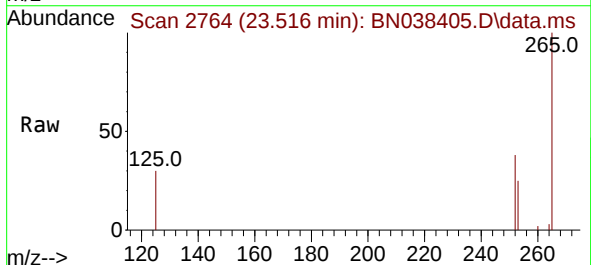
Tgt Ion:252 Resp: 1642
Ion Ratio Lower Upper
252 100
253 61.6 21.4 32.0#
125 74.7 16.2 24.2#

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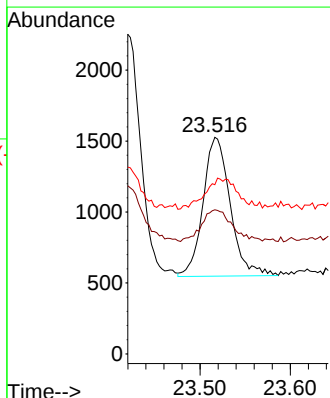
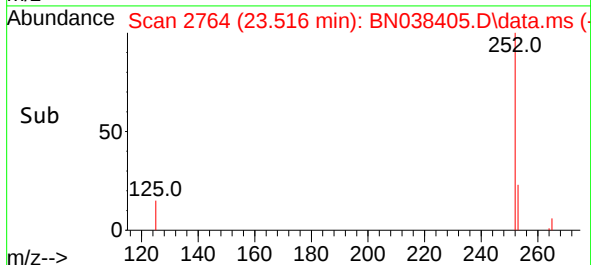
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

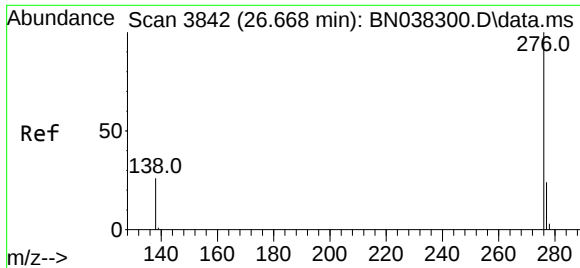


#39
Benzo(a)pyrene
Concen: 0.044 ng
RT: 23.516 min Scan# 2764
Delta R.T. -0.017 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20



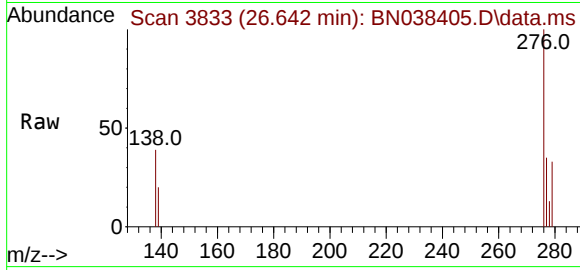
Tgt Ion:252 Resp: 2054
Ion Ratio Lower Upper
252 100
253 66.5 23.3 34.9#
125 78.1 22.4 33.6#





#41
Benzo(g,h,i)perylene
Concen: 0.040 ng
RT: 26.642 min Scan# 3833
Delta R.T. -0.035 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

Instrument :
BNA_N
ClientSampleId :
COAN2



Tgt Ion:276 Resp: 226
Ion Ratio Lower Upper
276 100
277 34.8 20.0 30.0
138 38.6 21.8 32.6

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

