

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038368.D
 Acq On : 13 Dec 2025 02:27
 Operator : RC/JU
 Sample : Q3839-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN2

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

Quant Time: Dec 13 03:01:22 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	5786	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	15235	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7507	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13064	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	10296	0.400	ng	0.00
35) Perylene-d12	23.622	264	10788	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	3553	0.247	ng	0.00
5) Phenol-d6	6.887	99	4050	0.236	ng	0.00
8) Nitrobenzene-d5	8.875	82	3334	0.259	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	4511	0.210	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	647	0.194	ng	-0.01
15) 2-Fluorobiphenyl	13.008	172	9130	0.252	ng	0.00
27) Fluoranthene-d10	19.178	212	5495	0.170	ng	0.00
31) Terphenyl-d14	19.782	244	4218	0.184	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.573	128	4029	0.089	ng	# 95
12) 2-Methylnaphthalene	12.197	142	3006	0.105	ng	98
25) Phenanthrene	17.186	178	6051	0.133	ng	98
28) Fluoranthene	19.211	202	7174	0.148	ng	97
30) Pyrene	19.573	202	5266	0.104	ng	97
32) Benzo(a)anthracene	21.322	228	3078	0.077	ng	# 86
33) Chrysene	21.366	228	4266	0.097	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.259	149	10167	0.466	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.943	276	1804	0.032	ng	94
37) Benzo(b)fluoranthene	22.932	252	5113	0.103	ng	# 48
38) Benzo(k)fluoranthene	22.975	252	1160m	0.023	ng	
39) Benzo(a)pyrene	23.519	252	1714	0.042	ng	# 9
41) Benzo(g,h,i)perylene	26.651	276	2051	0.042	ng	# 78

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

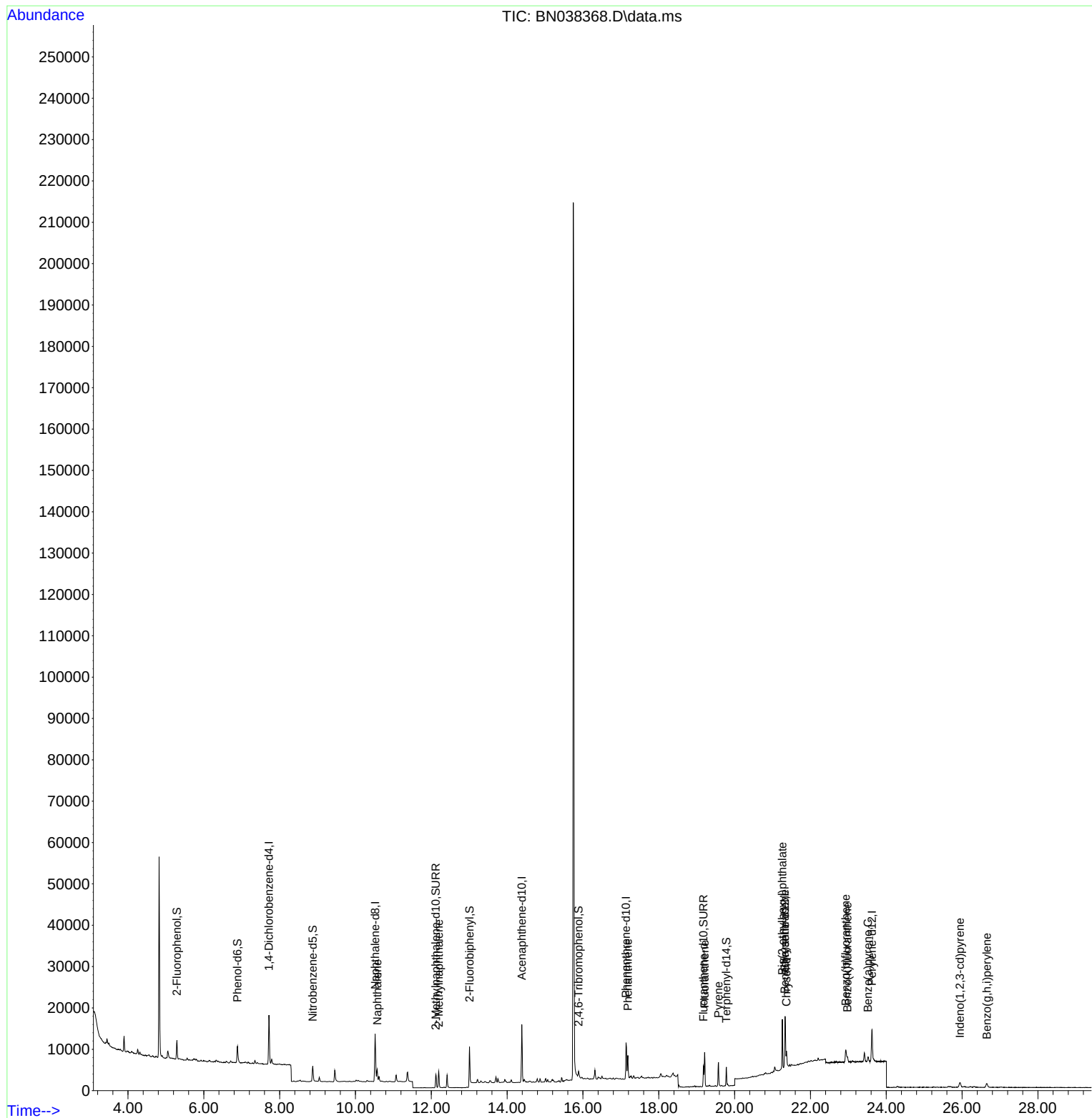
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038368.D
Acq On : 13 Dec 2025 02:27
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ALS Vial : 26 Sample Multiplier: 1

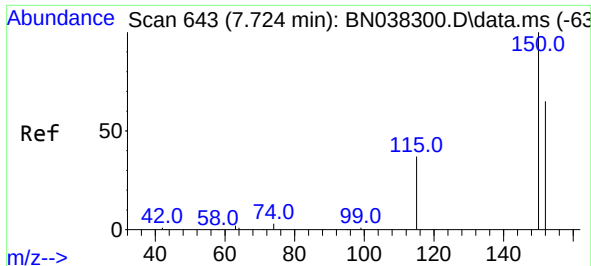
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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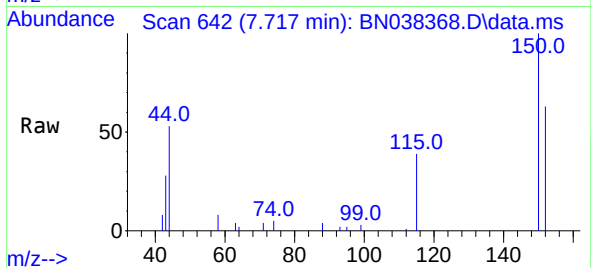
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 643
 Delta R.T. -0.007 min
 Lab File: BN038368.D
 Acq: 13 Dec 2025 02:27

Instrument :

BNA_N

ClientSampleId :

COAN2

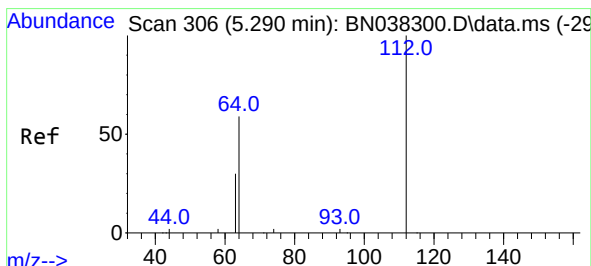
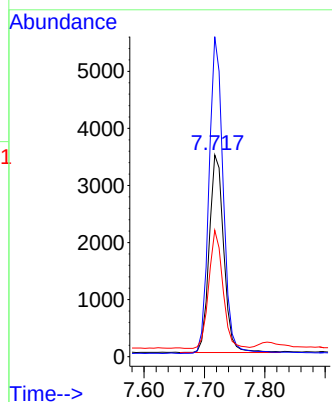


Tgt Ion:152 Resp: 5780
 Ion Ratio Lower Upper
 152 100
 150 158.7 122.4 183.6
 115 62.6 47.3 70.9

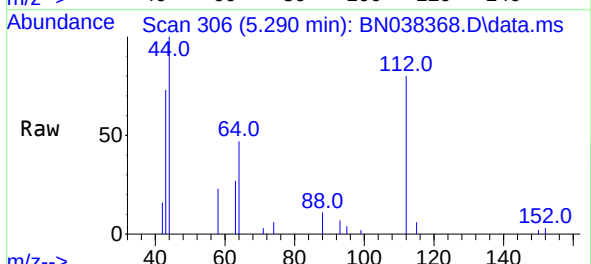
Manual Integrations

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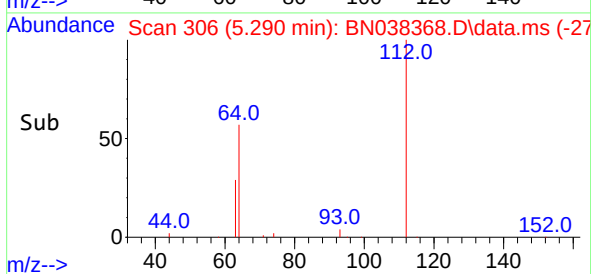
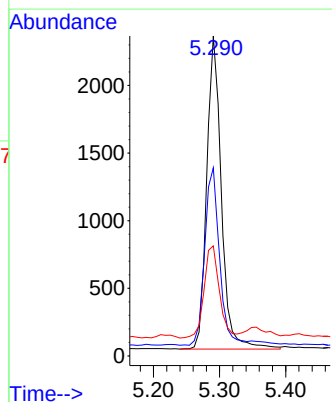
Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

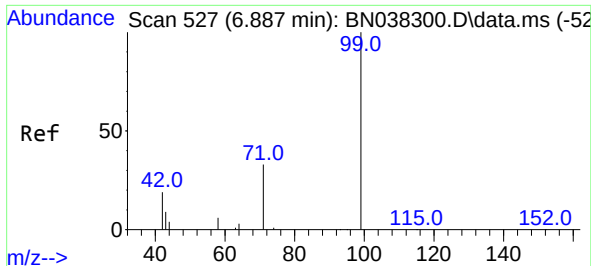


#4
 2-Fluorophenol
 Concen: 0.247 ng
 RT: 5.290 min Scan# 306
 Delta R.T. 0.000 min
 Lab File: BN038368.D
 Acq: 13 Dec 2025 02:27



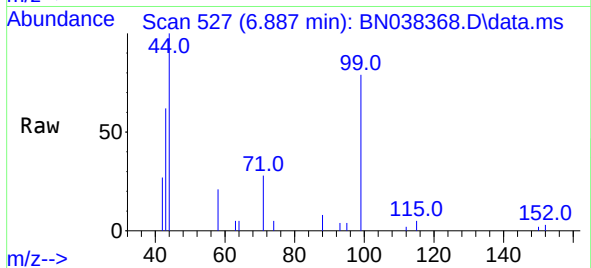
Tgt Ion:112 Resp: 3553
 Ion Ratio Lower Upper
 112 100
 64 59.6 44.4 66.6
 63 31.0 23.4 35.0





#5
Phenol-d6
Concen: 0.236 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

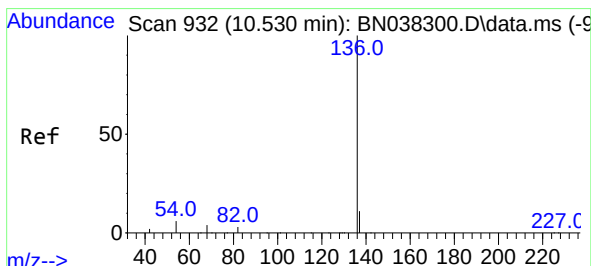
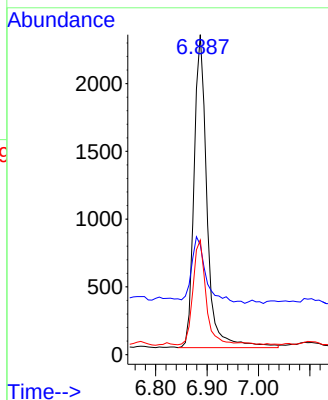
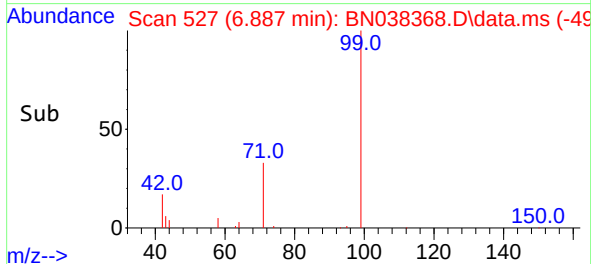
Instrument :
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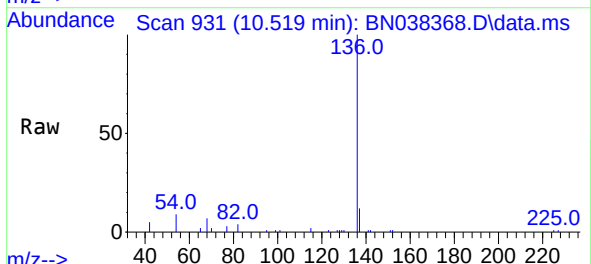
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Ion Ratio Lower Upper
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42 23.6 16.5 24.7
71 33.2 24.9 37.3

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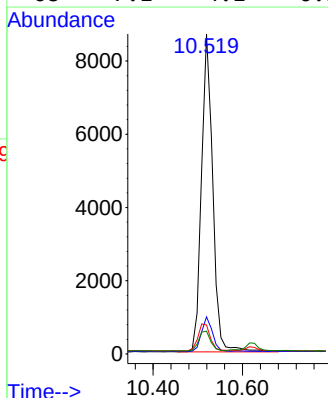
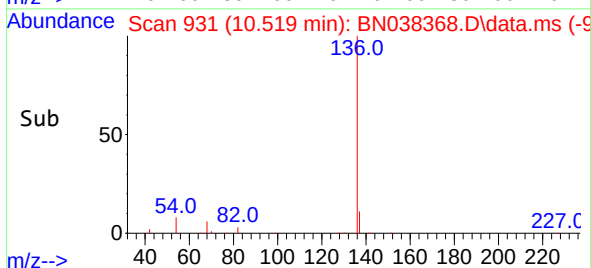
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

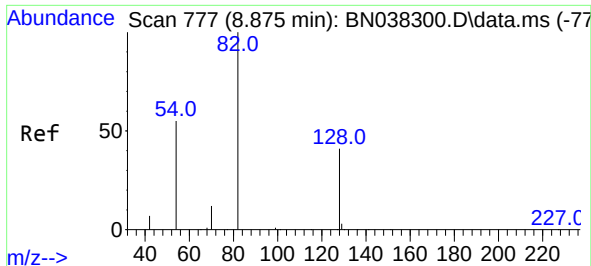


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27



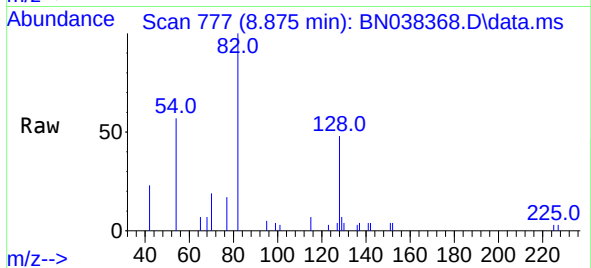
Tgt Ion:136 Resp: 15235
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 9.1 5.2 7.8#
68 7.1 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.259 ng
RT: 8.875 min Scan# 711
Delta R.T. 0.000 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

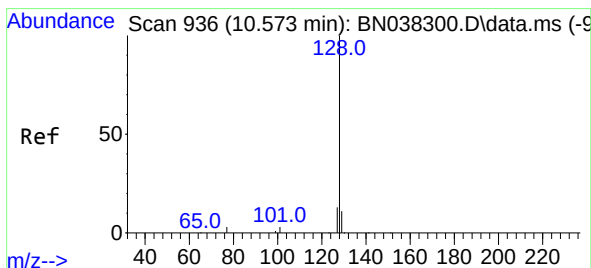
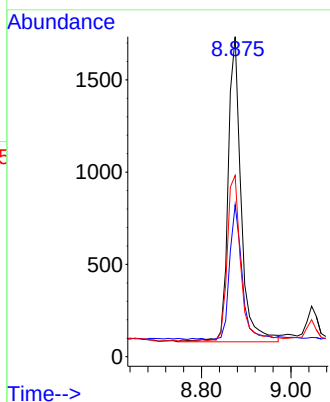
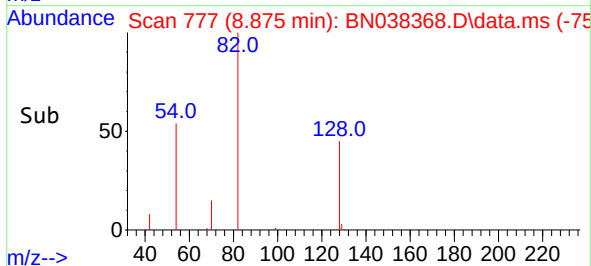
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 82 Resp: 3334
Ion Ratio Lower Upper
82 100
128 47.5 34.0 51.0
54 56.6 44.4 66.6

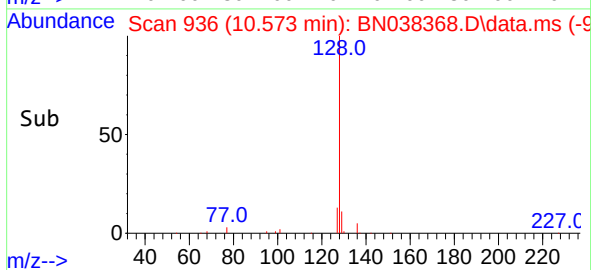
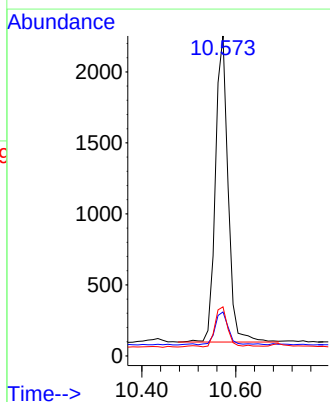
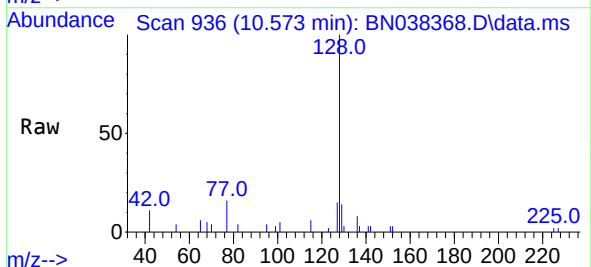
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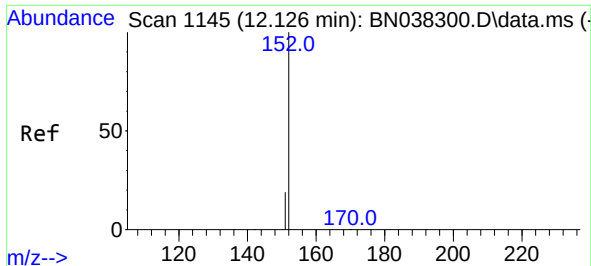
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#9
Naphthalene
Concen: 0.089 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

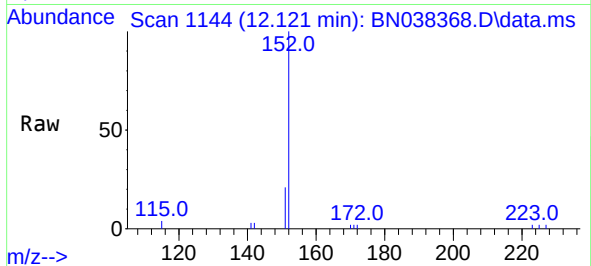
Tgt Ion:128 Resp: 4029
Ion Ratio Lower Upper
128 100
129 13.8 9.1 13.7#
127 15.4 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.210 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

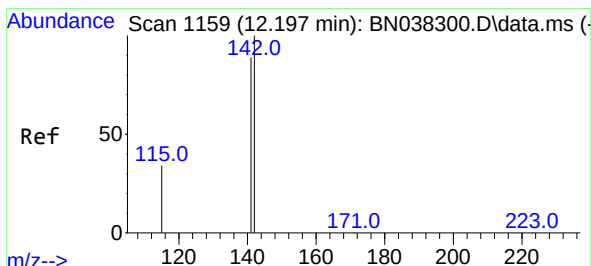
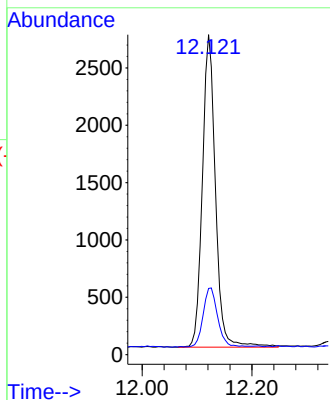
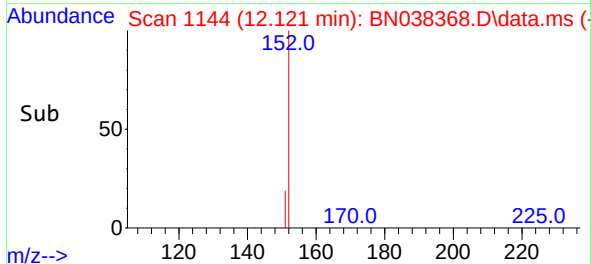
Instrument :
BNA_N
ClientSampleId :
COAN2



Tgt Ion:152 Resp: 451
Ion Ratio Lower Upper
152 100
151 20.8 17.0 25.6

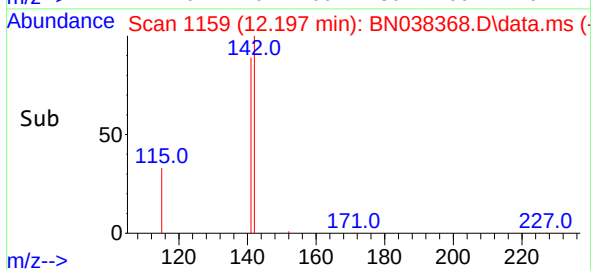
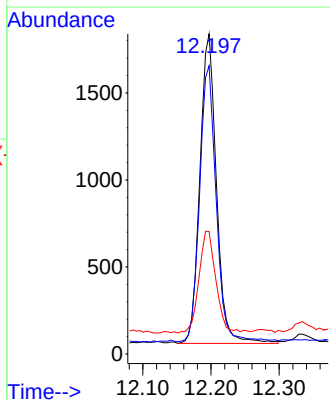
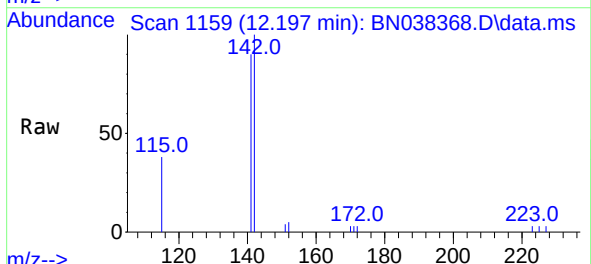
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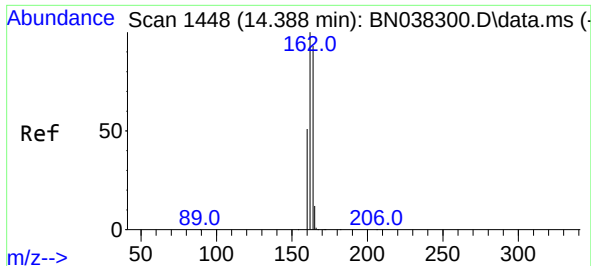
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#12
2-Methylnaphthalene
Concen: 0.105 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

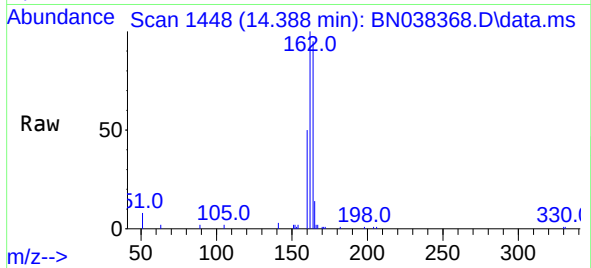
Tgt Ion:142 Resp: 3006
Ion Ratio Lower Upper
142 100
141 90.0 71.4 107.2
115 38.3 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

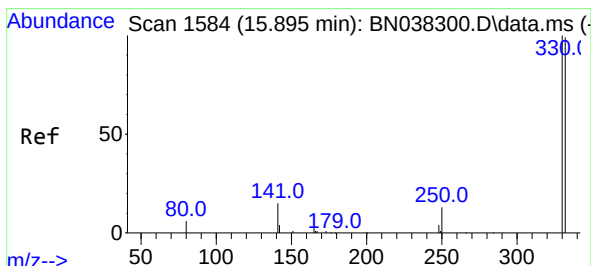
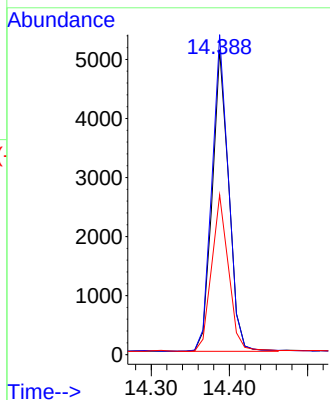
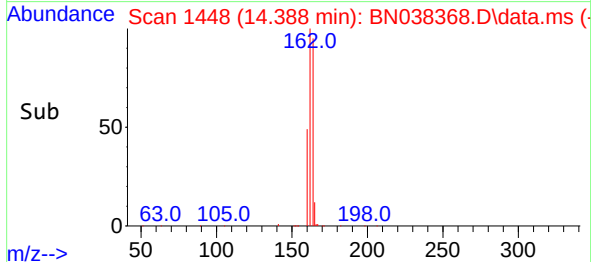
Instrument :
BNA_N
ClientSampleId :
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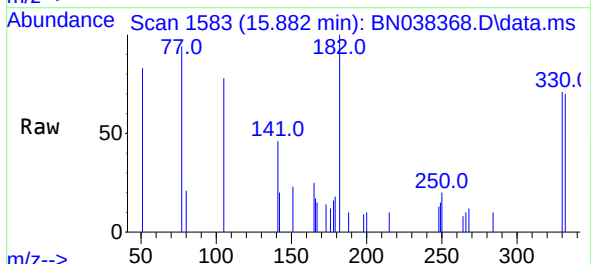
Tgt Ion:164 Resp: 750
Ion Ratio Lower Upper
164 100
162 104.9 86.2 129.4
160 52.4 44.6 67.0

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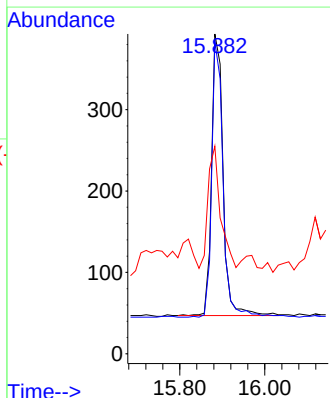
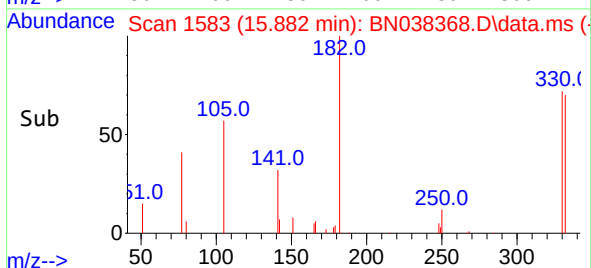
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Supervised By :Jagrut Upadhyay 12/15/2025

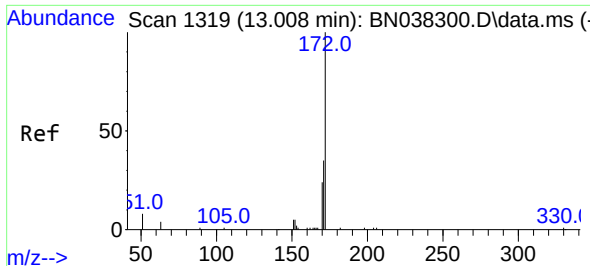


#14
2,4,6-Tribromophenol
Concen: 0.194 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27



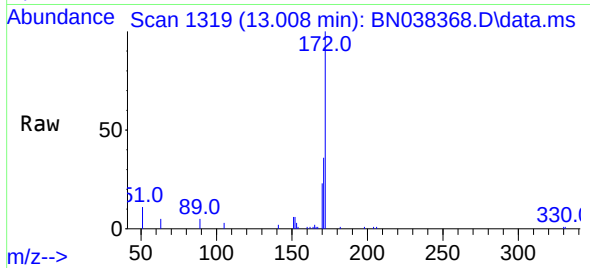
Tgt Ion:330 Resp: 647
Ion Ratio Lower Upper
330 100
332 96.8 75.8 113.6
141 47.0 31.8 47.8





#15
2-Fluorobiphenyl
Concen: 0.252 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

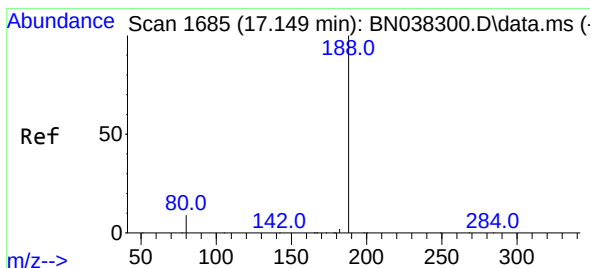
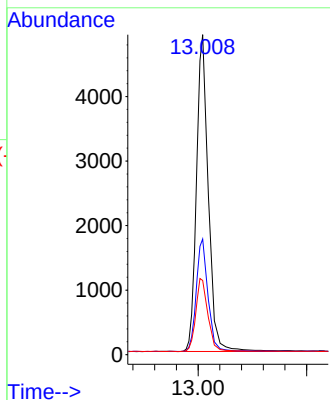
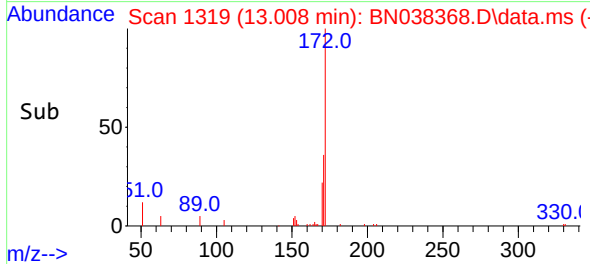
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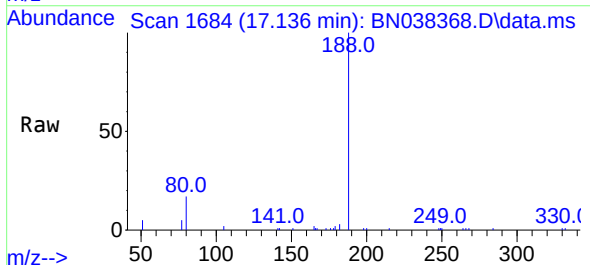
Tgt Ion:172 Resp: 9130
Ion Ratio Lower Upper
172 100
171 36.2 28.6 42.8
170 23.2 19.3 28.9

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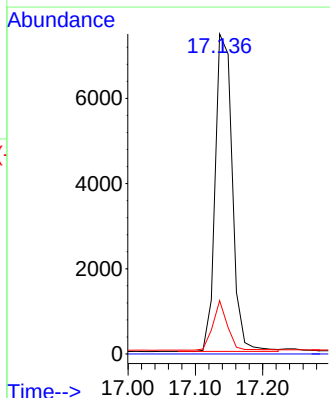
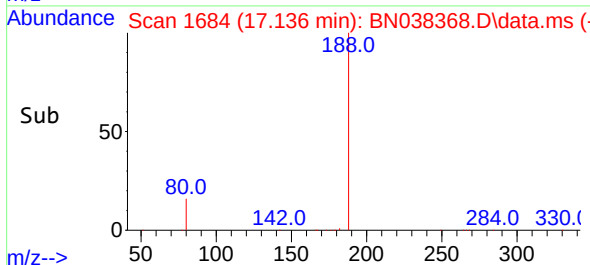
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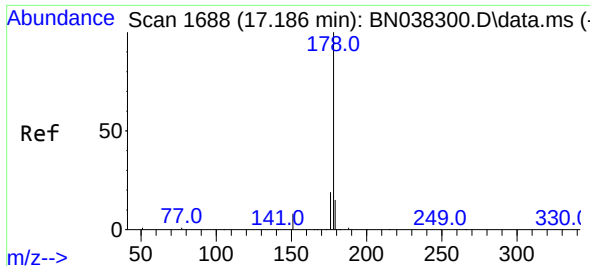


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27



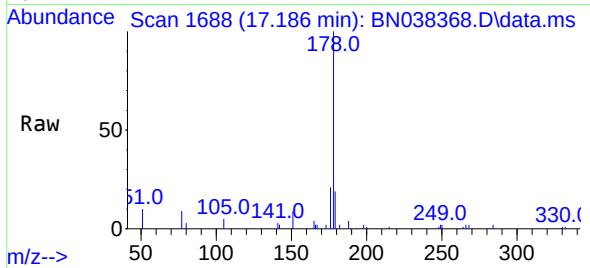
Tgt Ion:188 Resp: 13064
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.7 7.4 11.0#





#25
Phenanthrene
Concen: 0.133 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

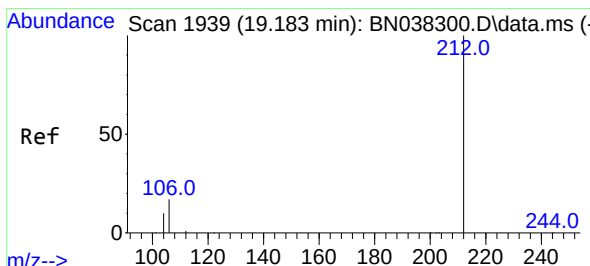
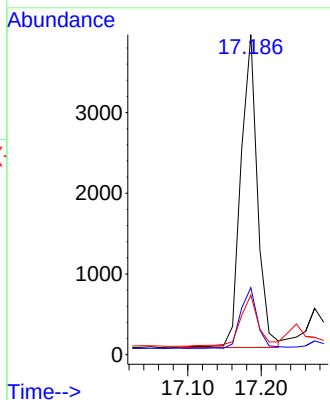
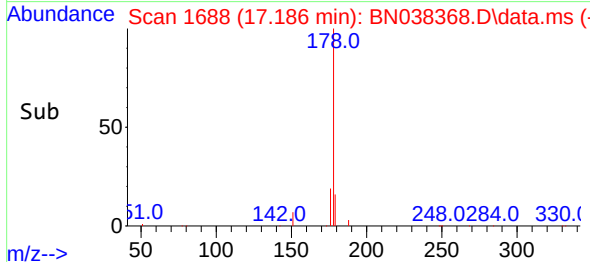
Instrument :
BNA_N
ClientSampleId :
C0AN2



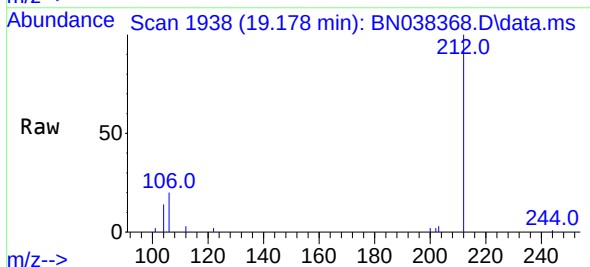
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Ion Ratio Lower Upper
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176 19.7 15.5 23.3
179 17.2 12.2 18.2

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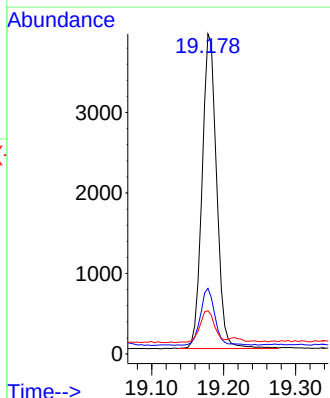
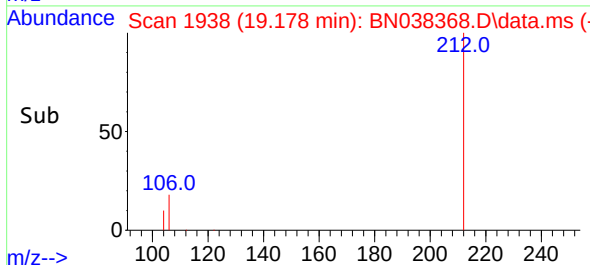
Reviewed By :Rahul Chavli 12/15/2025
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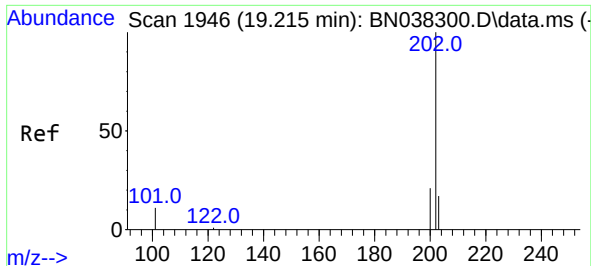


#27
Fluoranthene-d10
Concen: 0.170 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27



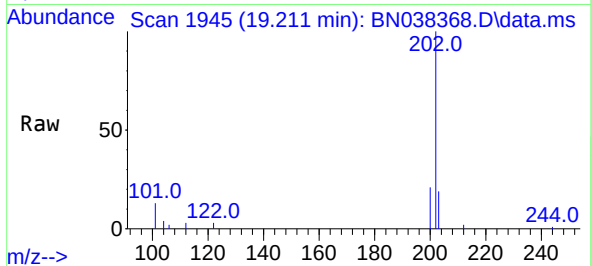
Tgt Ion:212 Resp: 5495
Ion Ratio Lower Upper
212 100
106 18.0 13.7 20.5
104 10.5 7.8 11.8





#28
Fluoranthene
Concen: 0.148 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

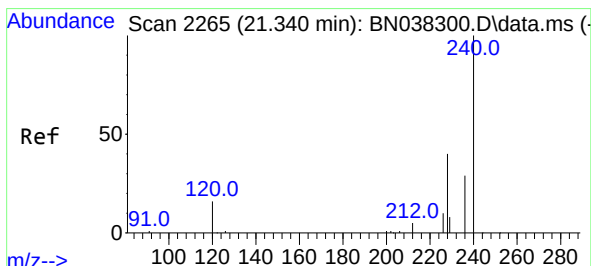
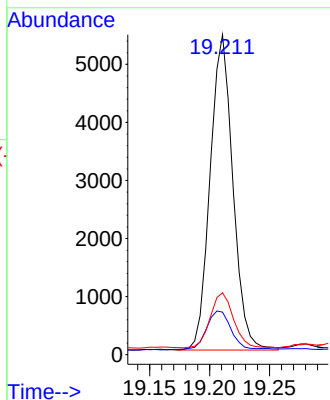
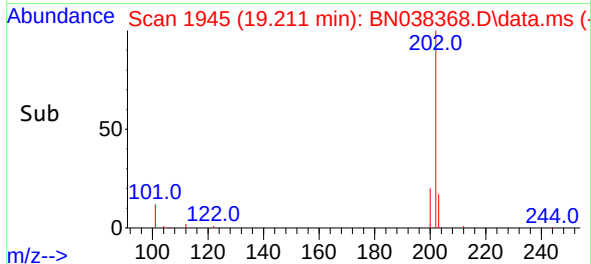
Instrument :
BNA_N
ClientSampleId :
COAN2



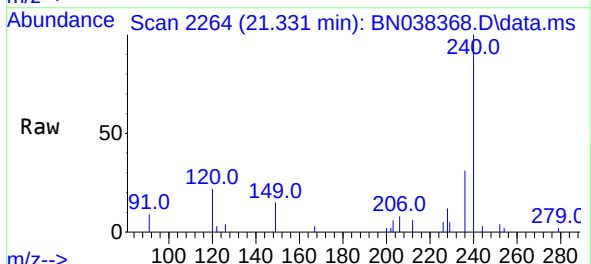
Tgt Ion:202 Resp: 7174
Ion Ratio Lower Upper
202 100
101 13.6 9.6 14.4
203 17.7 13.5 20.3

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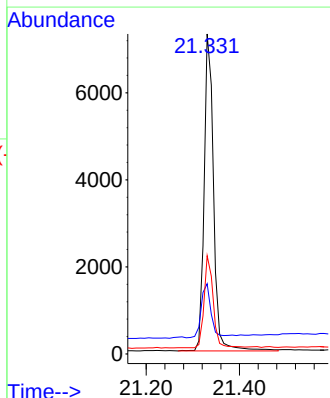
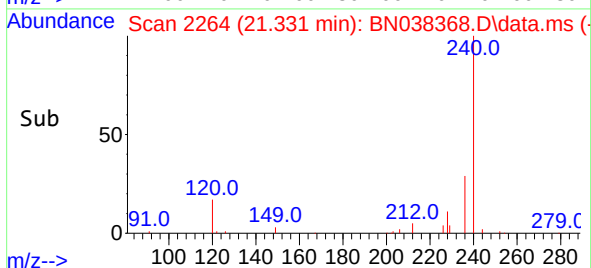
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

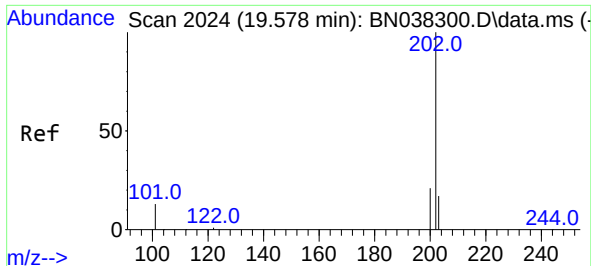


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27



Tgt Ion:240 Resp: 10296
Ion Ratio Lower Upper
240 100
120 21.9 15.4 23.2
236 30.7 23.9 35.9





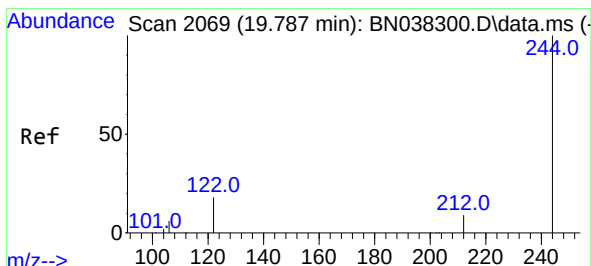
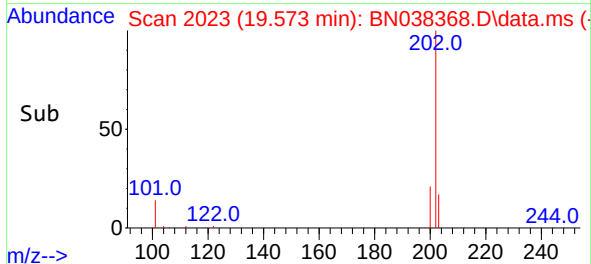
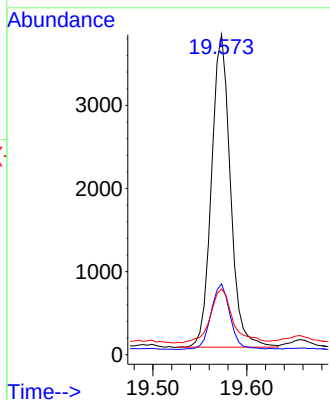
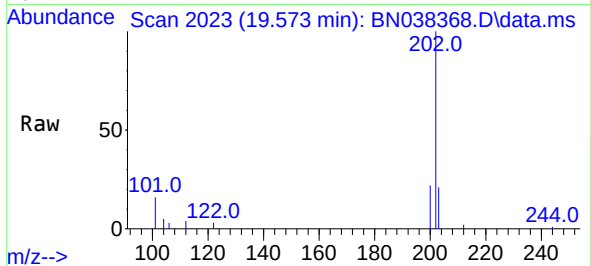
#30
 Pyrene
 Concen: 0.104 ng
 RT: 19.573 min Scan# 202
 Delta R.T. -0.009 min
 Lab File: BN038368.D
 Acq: 13 Dec 2025 02:27

Instrument :
 BNA_N
 ClientSampleId :
 COAN2

Tgt Ion:202 Resp: 526
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.9 25.3
 203 20.7 14.2 21.2

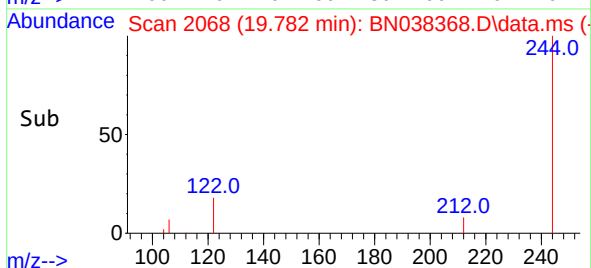
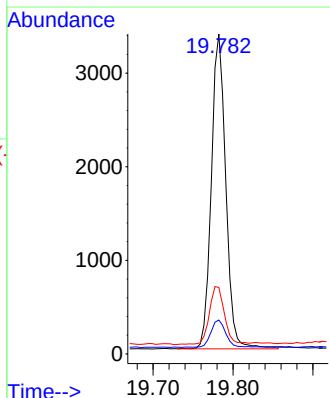
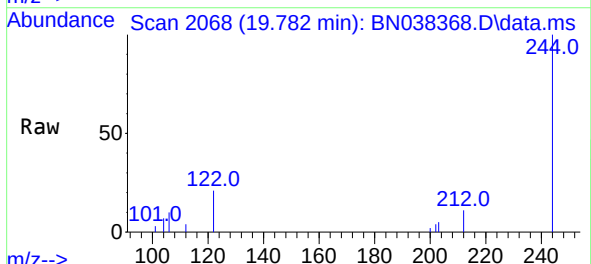
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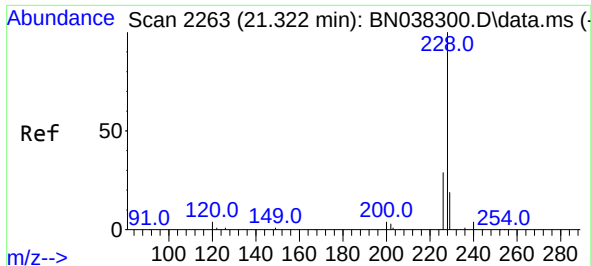
Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025



#31
 Terphenyl-d14
 Concen: 0.184 ng
 RT: 19.782 min Scan# 2068
 Delta R.T. -0.009 min
 Lab File: BN038368.D
 Acq: 13 Dec 2025 02:27

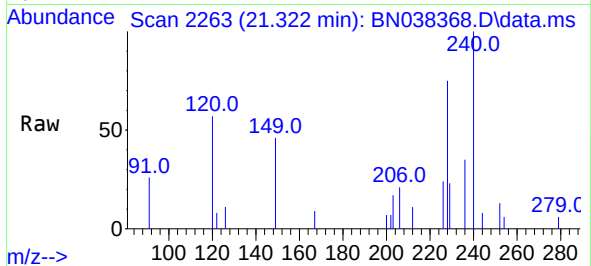
Tgt Ion:244 Resp: 4218
 Ion Ratio Lower Upper
 244 100
 212 10.6 7.9 11.9
 122 20.8 15.0 22.6





#32
Benzo(a)anthracene
Concen: 0.077 ng
RT: 21.322 min Scan# 2127
Delta R.T. -0.009 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

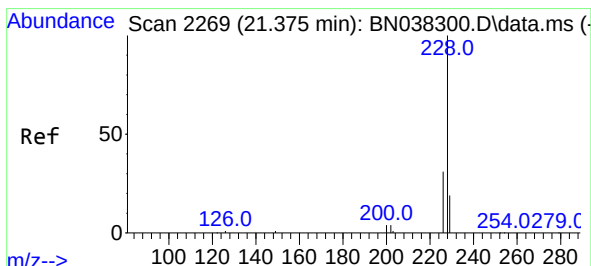
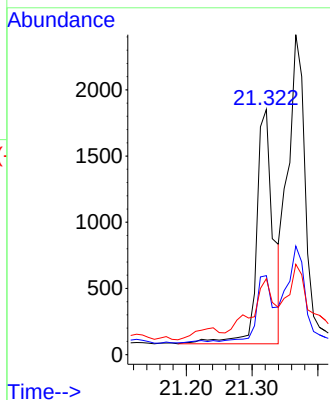
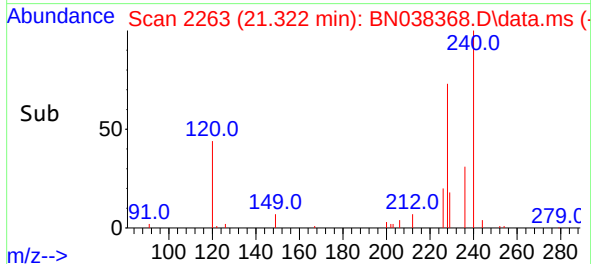
Instrument :
BNA_N
ClientSampleId :
COAN2



Tgt Ion:228 Resp: 3078
Ion Ratio Lower Upper
228 100
226 32.2 23.3 34.9
229 31.0 15.7 23.5

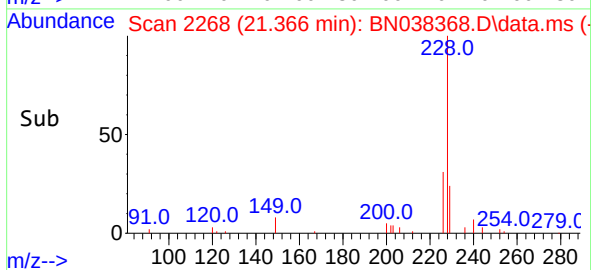
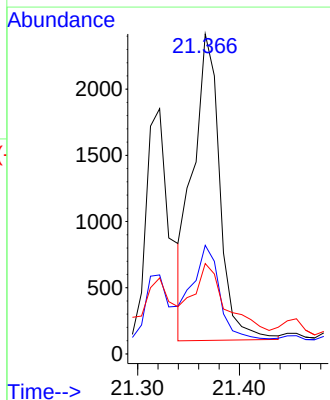
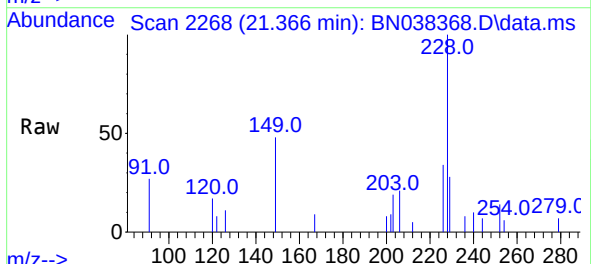
Manual Integrations
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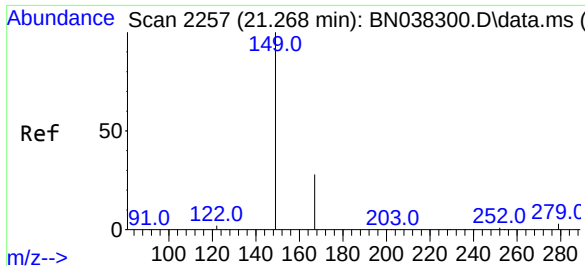
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#33
Chrysene
Concen: 0.097 ng
RT: 21.366 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

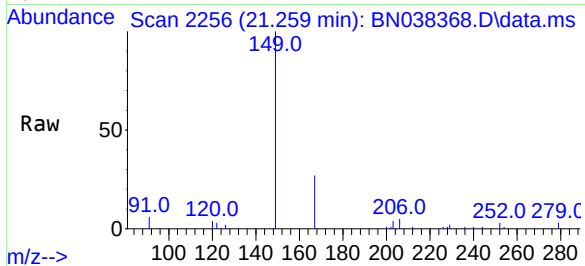
Tgt Ion:228 Resp: 4266
Ion Ratio Lower Upper
228 100
226 33.9 25.0 37.4
229 28.2 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.466 ng
RT: 21.259 min Scan# 2116
Delta R.T. -0.009 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

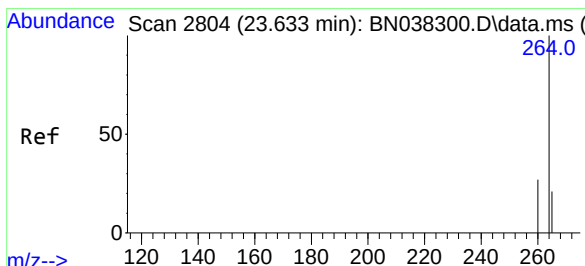
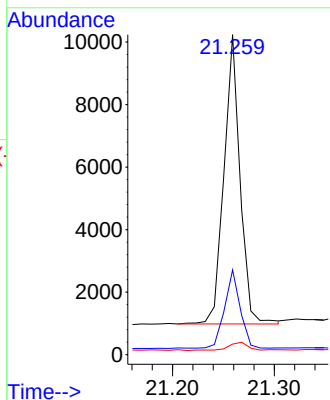
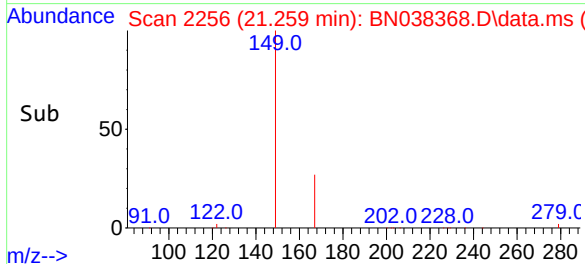
Instrument :
BNA_N
ClientSampleId :
COAN2



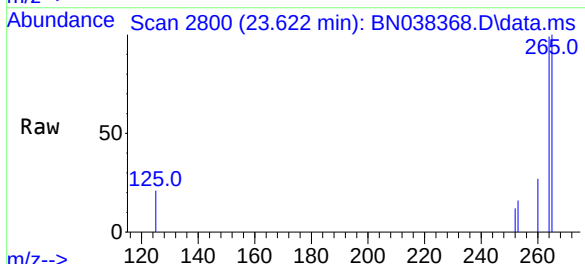
Tgt Ion:149 Resp: 1016
Ion Ratio Lower Upper
149 100
167 25.8 21.4 32.0
279 4.0 2.4 3.6

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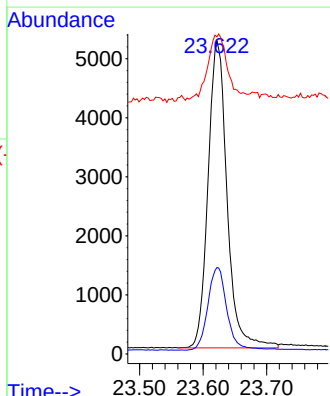
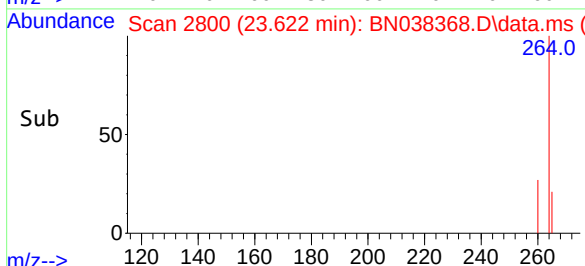
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

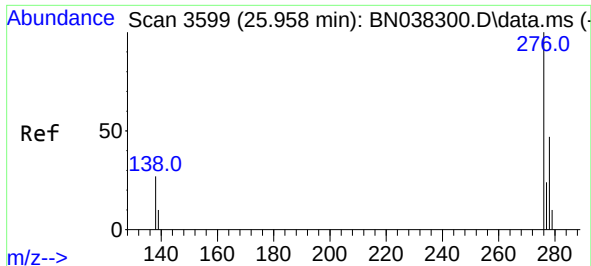


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27



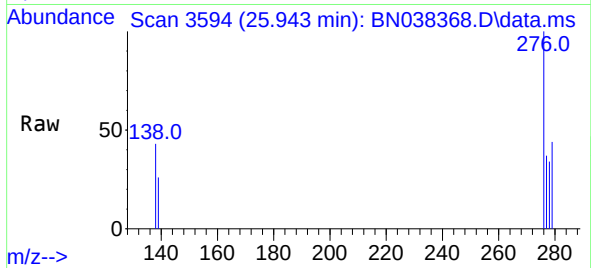
Tgt Ion:264 Resp: 10788
Ion Ratio Lower Upper
264 100
260 27.6 22.2 33.2
265 101.4 80.2 120.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.032 ng
RT: 25.943 min Scan# 3594
Delta R.T. -0.020 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

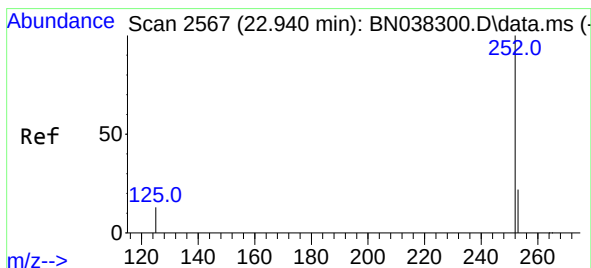
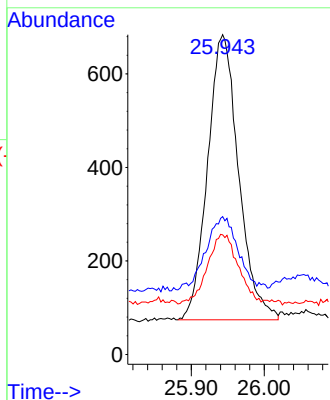
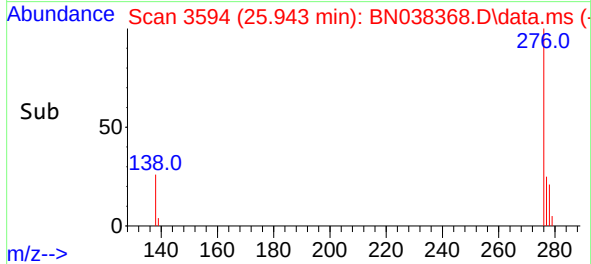
Instrument :
BNA_N
ClientSampleId :
COAN2



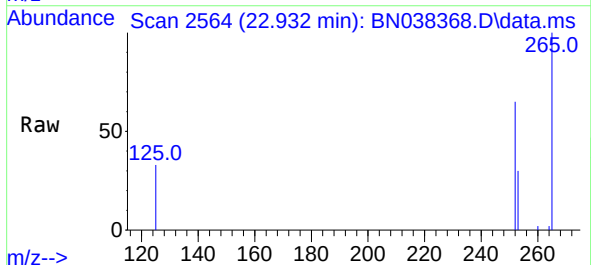
Tgt Ion:276 Resp: 1804
Ion Ratio Lower Upper
276 100
138 24.3 23.6 35.4
277 24.2 19.7 29.5

Manual Integrations
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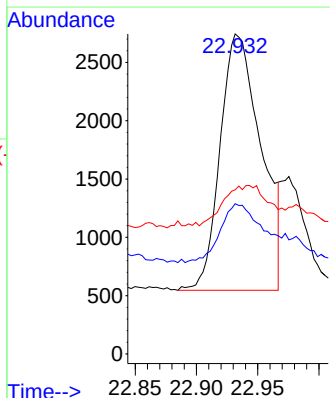
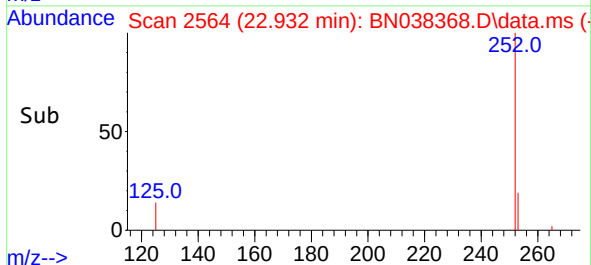
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

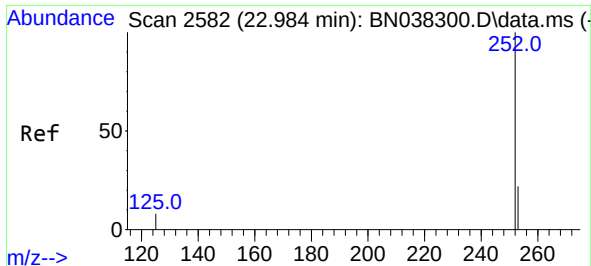


#37
Benzo(b)fluoranthene
Concen: 0.103 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.015 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27



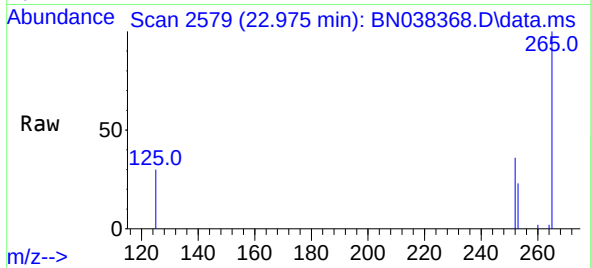
Tgt Ion:252 Resp: 5113
Ion Ratio Lower Upper
252 100
253 47.0 21.1 31.7#
125 51.3 16.4 24.6#





#38
Benzo(k)fluoranthene
Concen: 0.023 ng m
RT: 22.975 min Scan# 2160
Delta R.T. -0.015 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27

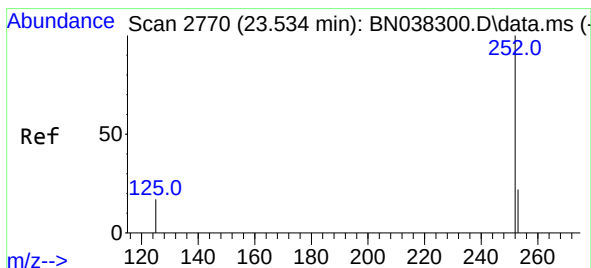
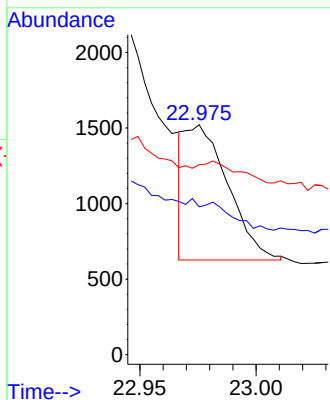
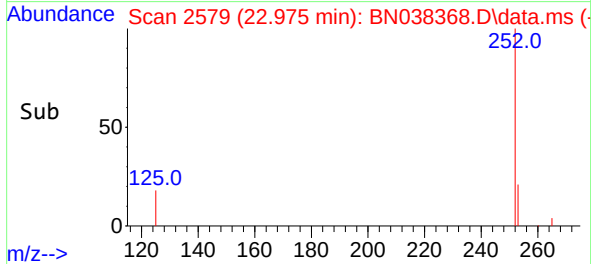
Instrument :
BNA_N
ClientSampleId :
COAN2



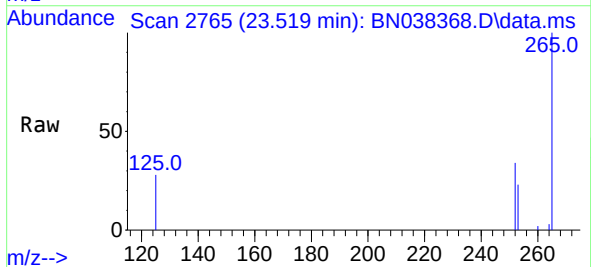
Tgt Ion:252 Resp: 1160
Ion Ratio Lower Upper
252 100
253 64.3 21.4 32.0#
125 82.7 16.2 24.2#

Manual Integrations
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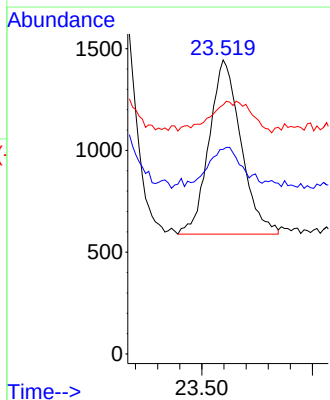
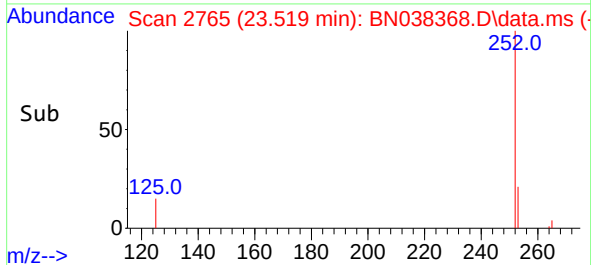
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

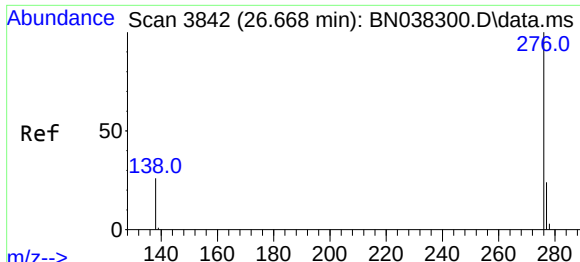


#39
Benzo(a)pyrene
Concen: 0.042 ng
RT: 23.519 min Scan# 2765
Delta R.T. -0.015 min
Lab File: BN038368.D
Acq: 13 Dec 2025 02:27



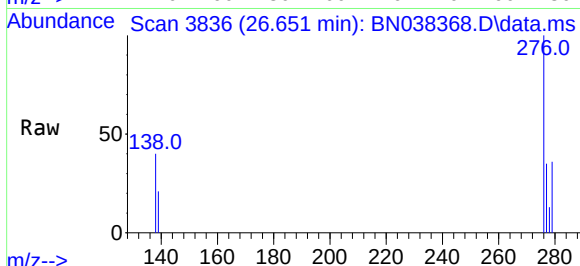
Tgt Ion:252 Resp: 1714
Ion Ratio Lower Upper
252 100
253 69.6 23.3 34.9#
125 84.7 22.4 33.6#





#41
 Benzo(g,h,i)perylene
 Concen: 0.042 ng
 RT: 26.651 min Scan# 3836
 Delta R.T. -0.026 min
 Lab File: BN038368.D
 Acq: 13 Dec 2025 02:27

Instrument :
 BNA_N
 ClientSampleId :
 COAN2



Tgt Ion: 276 Resp: 205

Ion	Ratio	Lower	Upper
276	100		
277	34.6	20.0	30.0
138	39.6	21.8	32.6

Manual Integrations
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Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

