

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038376.D
 Acq On : 13 Dec 2025 07:18
 Operator : RC/JU
 Sample : Q3839-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B02

Manual Integrations
 APPROVED

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

Quant Time: Dec 14 22:21:06 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	5590	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	14737	0.400	ng	#-0.01
13) Acenaphthene-d10	14.387	164	7474	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13471	0.400	ng	#-0.01
29) Chrysene-d12	21.339	240	10783	0.400	ng	# 0.00
35) Perylene-d12	23.624	264	11393	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	3582	0.257	ng	0.00
5) Phenol-d6	6.886	99	4097	0.248	ng	0.00
8) Nitrobenzene-d5	8.875	82	3146	0.253	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	4492	0.216	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	780	0.235	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	9648	0.268	ng	0.00
27) Fluoranthene-d10	19.178	212	7183	0.216	ng	0.00
31) Terphenyl-d14	19.782	244	5411	0.225	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.573	128	1184	0.027	ng	# 81
12) 2-Methylnaphthalene	12.192	142	831	0.030	ng	# 90
25) Phenanthrene	17.185	178	1909	0.041	ng	97
28) Fluoranthene	19.210	202	3560	0.071	ng	98
30) Pyrene	19.573	202	3350	0.063	ng	98
32) Benzo(a)anthracene	21.321	228	1553	0.037	ng	# 91
33) Chrysene	21.375	228	1703	0.037	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.259	149	957	0.042	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.948	276	1290	0.021	ng	# 79
37) Benzo(b)fluoranthene	22.934	252	2257	0.043	ng	# 1
38) Benzo(k)fluoranthene	22.978	252	1109m	0.021	ng	
39) Benzo(a)pyrene	23.519	252	1403	0.033	ng	# 1
41) Benzo(g,h,i)perylene	26.653	276	1306	0.025	ng	# 61

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

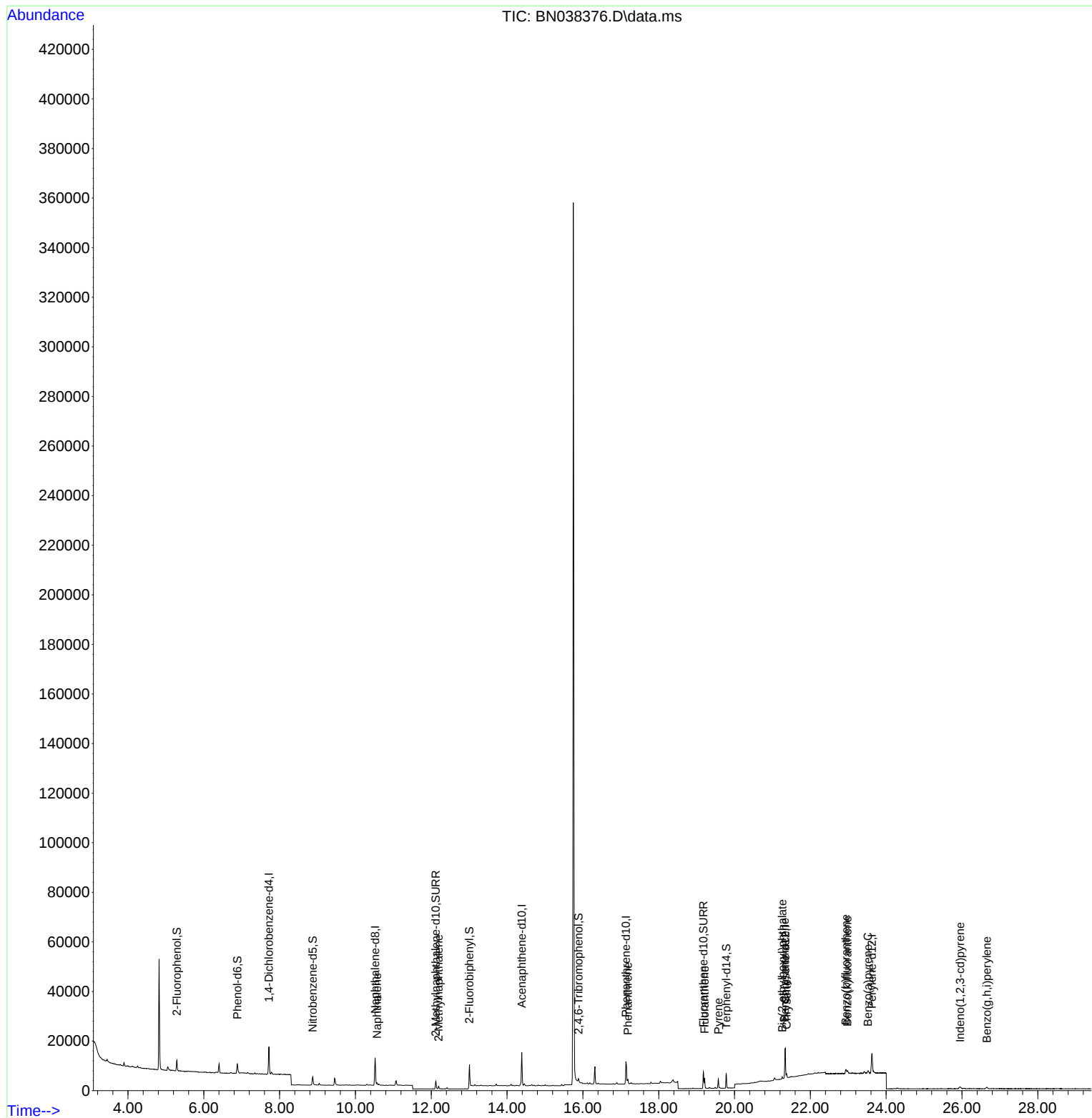
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038376.D
Acq On : 13 Dec 2025 07:18
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ALS Vial : 34 Sample Multiplier: 1

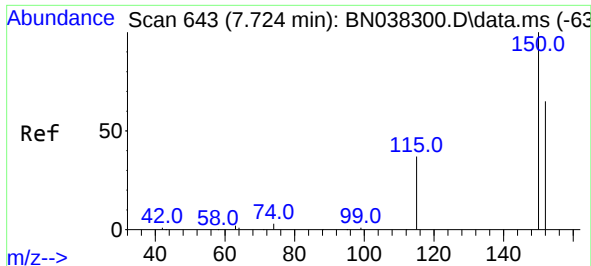
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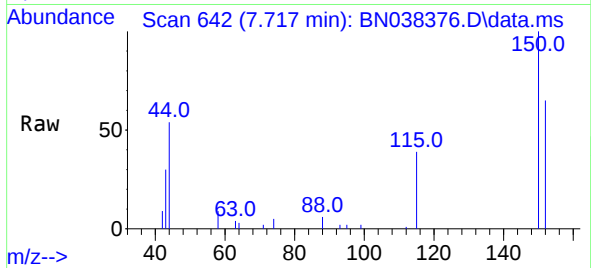
Quant Time: Dec 14 22:21:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 643
Delta R.T. -0.007 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

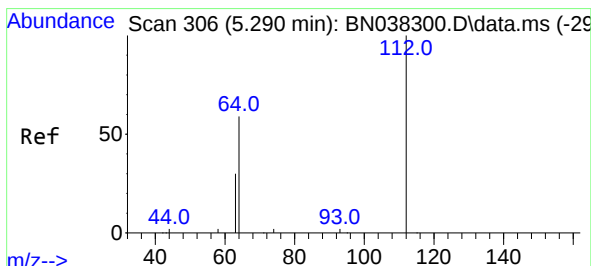
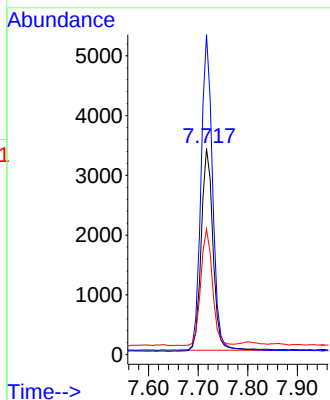
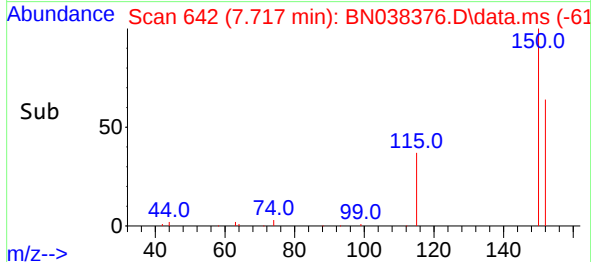
Instrument :
BNA_N
ClientSampleId :
C0B02



Tgt Ion:152 Resp: 5590
Ion Ratio Lower Upper
152 100
150 155.0 122.4 183.6
115 60.9 47.3 70.9

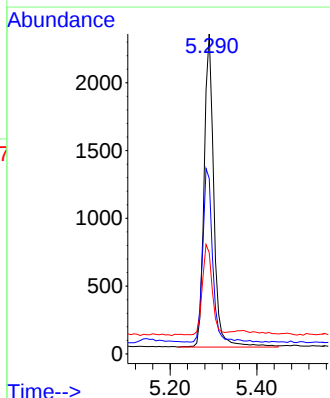
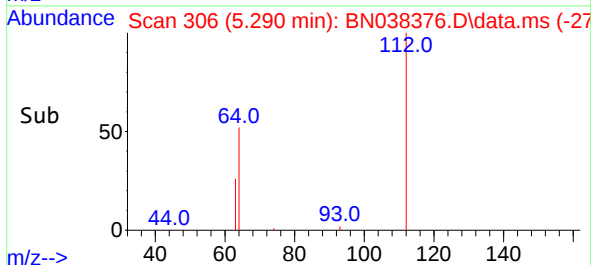
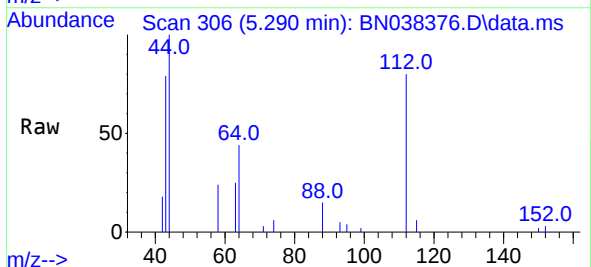
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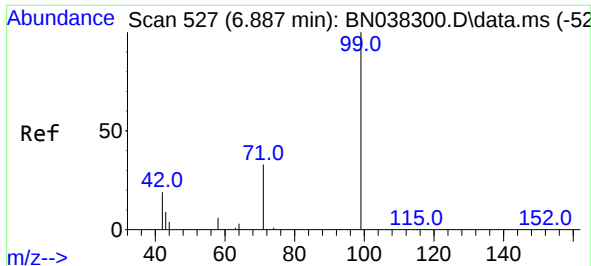
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#4
2-Fluorophenol
Concen: 0.257 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

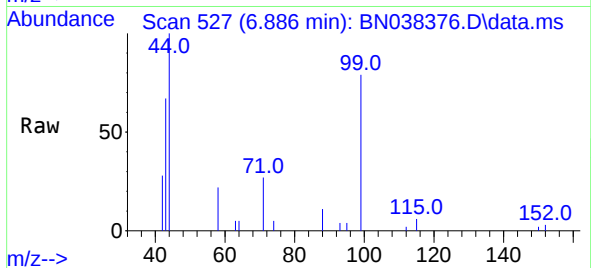
Tgt Ion:112 Resp: 3582
Ion Ratio Lower Upper
112 100
64 56.7 44.4 66.6
63 28.6 23.4 35.0





#5
Phenol-d6
Concen: 0.248 ng
RT: 6.886 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

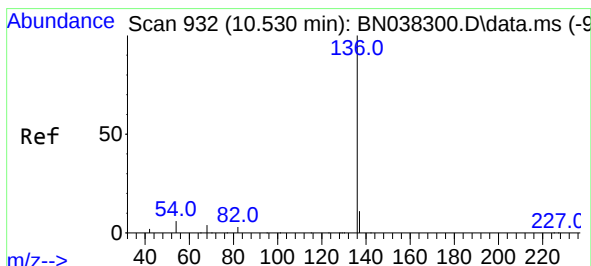
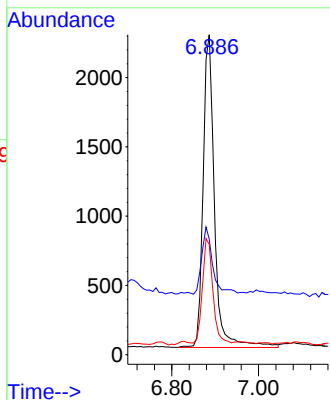
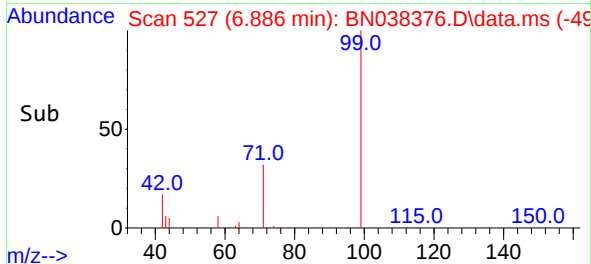
Instrument :
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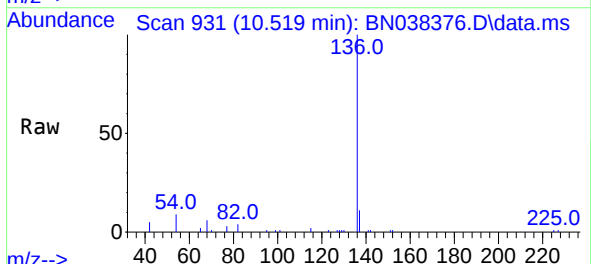
Tgt Ion: 99 Resp: 409
Ion Ratio Lower Upper
99 100
42 20.8 16.5 24.7
71 30.4 24.9 37.3

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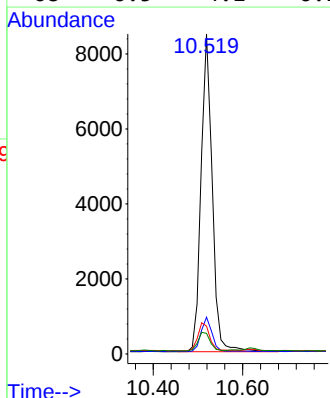
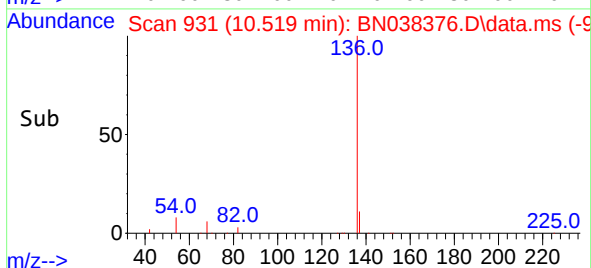
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

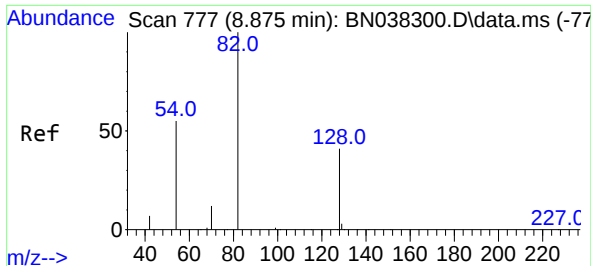


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18



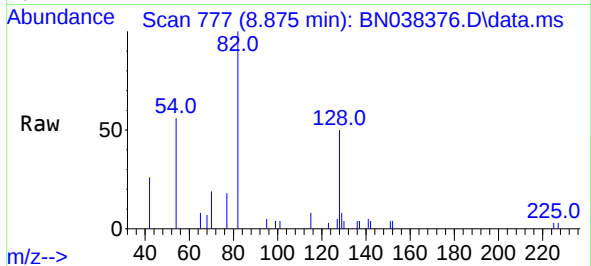
Tgt Ion:136 Resp: 14737
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 8.7 5.2 7.8#
68 6.5 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.253 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

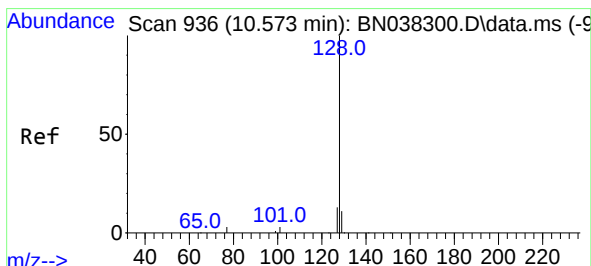
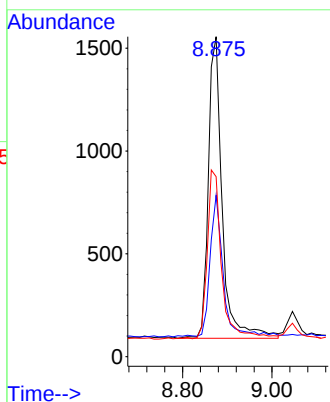
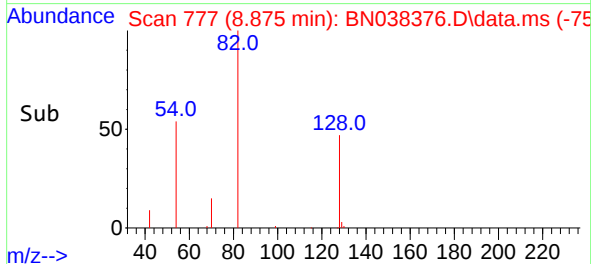
Instrument :
BNA_N
ClientSampleId :
C0B02



Tgt Ion: 82 Resp: 3140
Ion Ratio Lower Upper
82 100
128 50.4 34.0 51.0
54 56.2 44.4 66.6

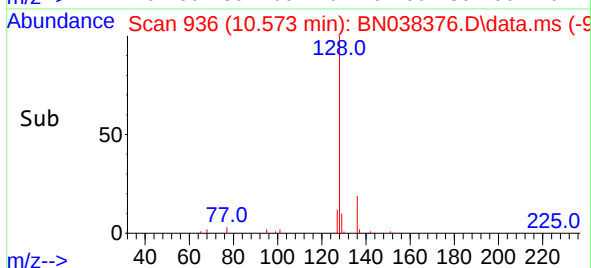
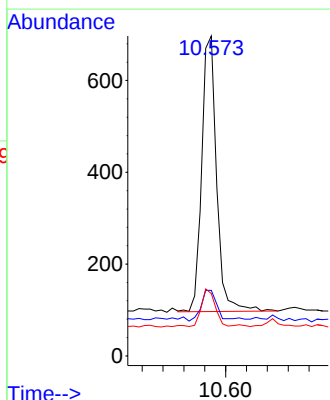
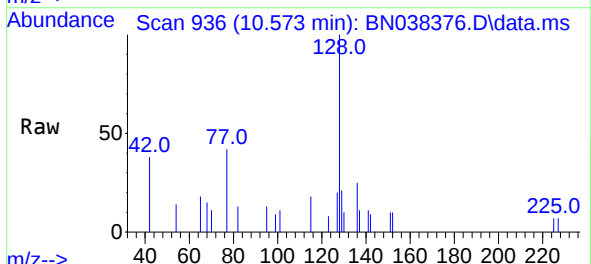
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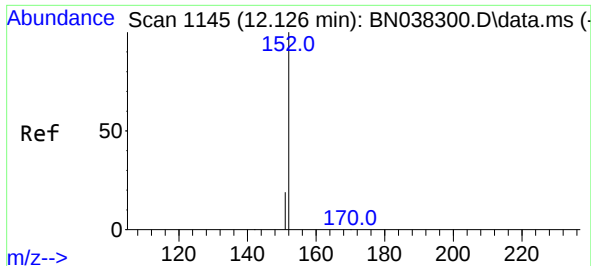
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#9
Naphthalene
Concen: 0.027 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

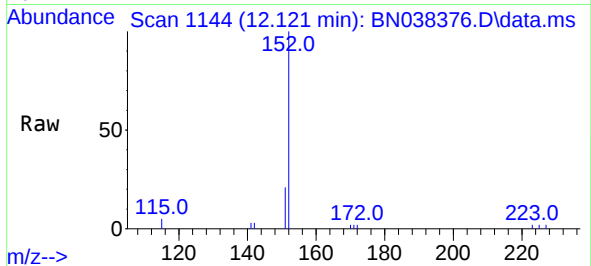
Tgt Ion:128 Resp: 1184
Ion Ratio Lower Upper
128 100
129 20.5 9.1 13.7#
127 19.5 10.9 16.3#





#11
2-Methylnaphthalene-d10
Concen: 0.216 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

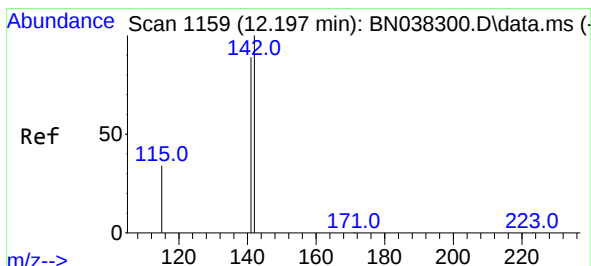
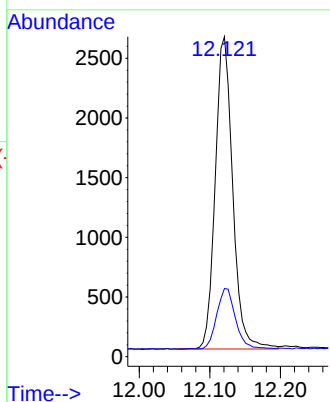
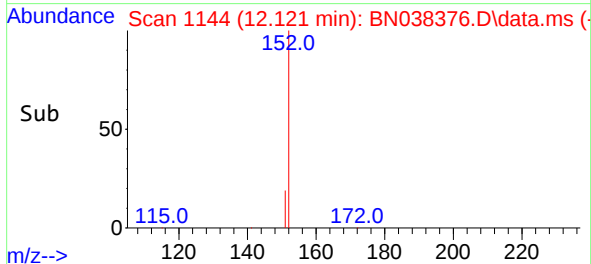
Instrument :
BNA_N
ClientSampleId :
C0B02



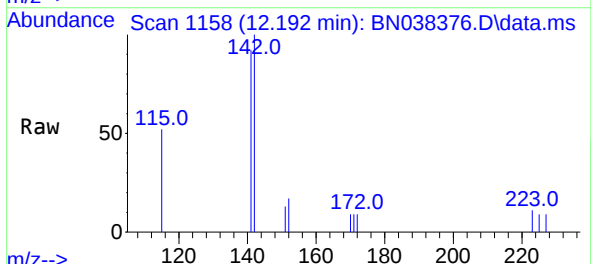
Tgt Ion:152 Resp: 449
Ion Ratio Lower Upper
152 100
151 20.6 17.0 25.6

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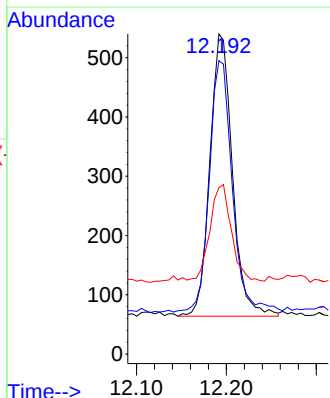
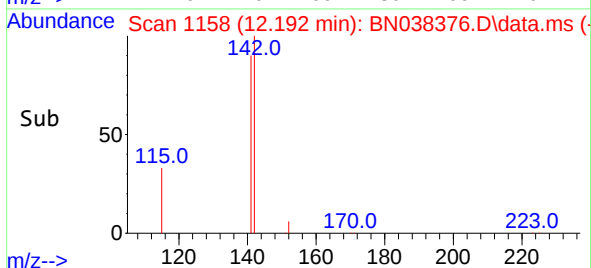
Reviewed By :Rahul Chavli 12/15/2025
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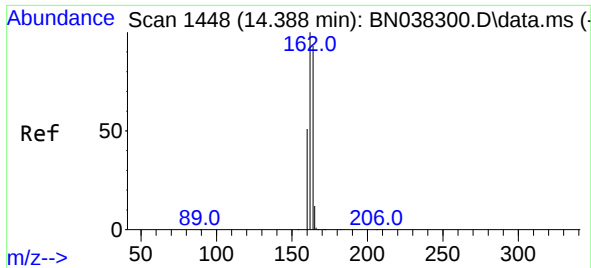


#12
2-Methylnaphthalene
Concen: 0.030 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18



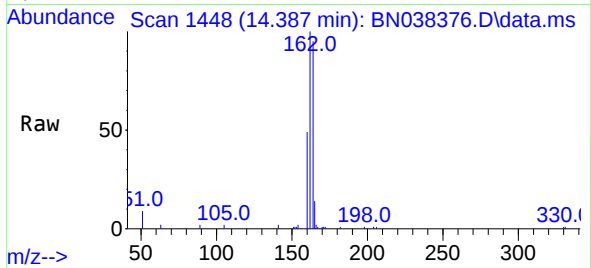
Tgt Ion:142 Resp: 831
Ion Ratio Lower Upper
142 100
141 91.7 71.4 107.2
115 52.0 28.4 42.6#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

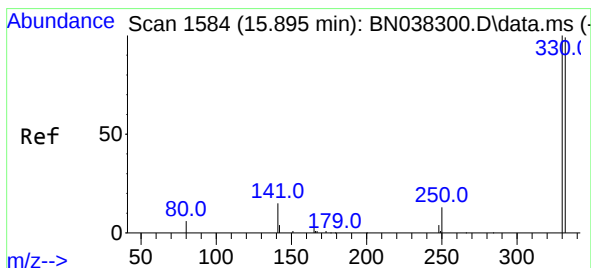
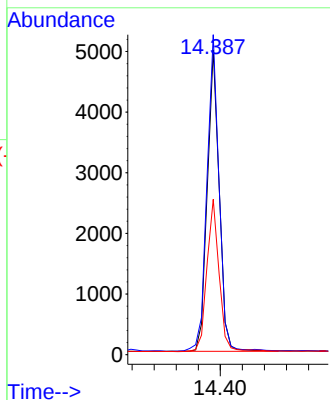
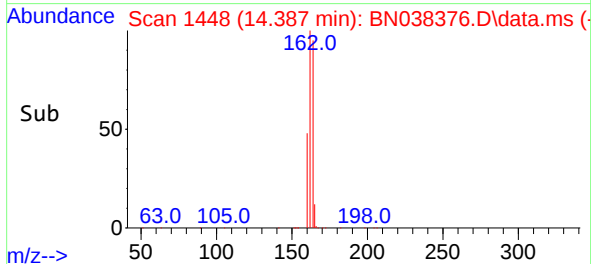
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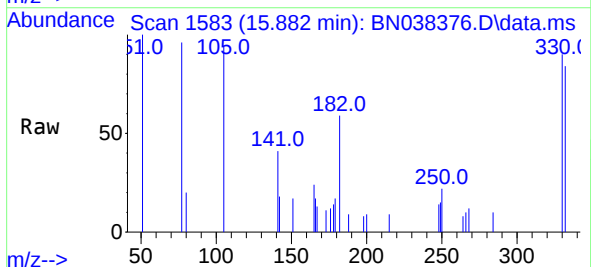
Tgt Ion:164 Resp: 7474
Ion Ratio Lower Upper
164 100
162 105.0 86.2 129.4
160 51.0 44.6 67.0

Manual Integrations
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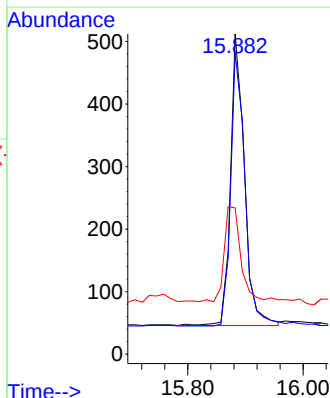
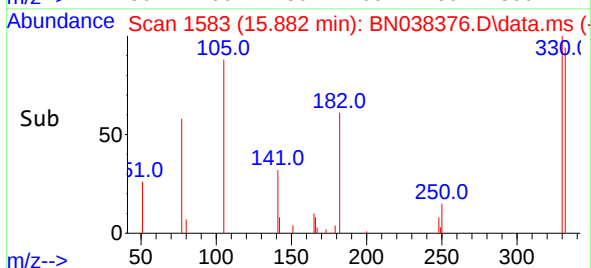
Reviewed By :Rahul Chavli 12/15/2025
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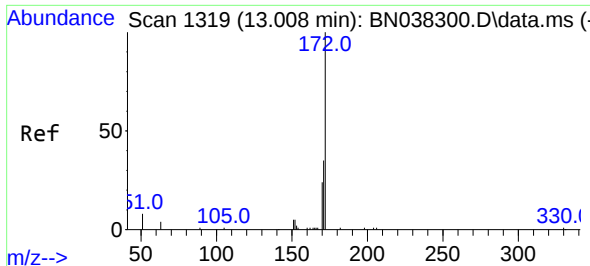


#14
2,4,6-Tribromophenol
Concen: 0.235 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.013 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18



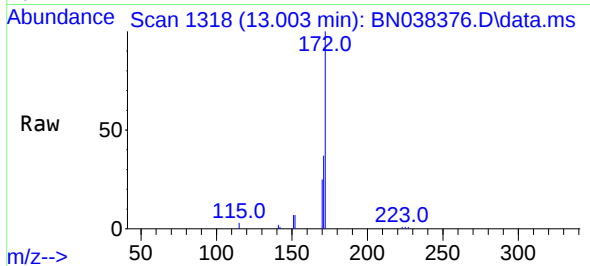
Tgt Ion:330 Resp: 780
Ion Ratio Lower Upper
330 100
332 97.9 75.8 113.6
141 46.9 31.8 47.8





#15
2-Fluorobiphenyl
Concen: 0.268 ng
RT: 13.003 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

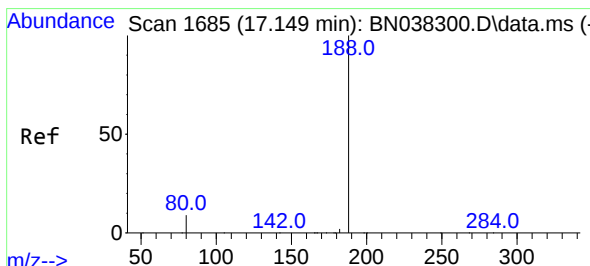
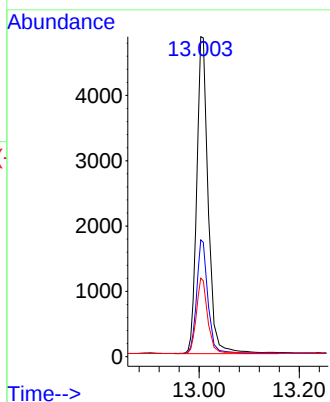
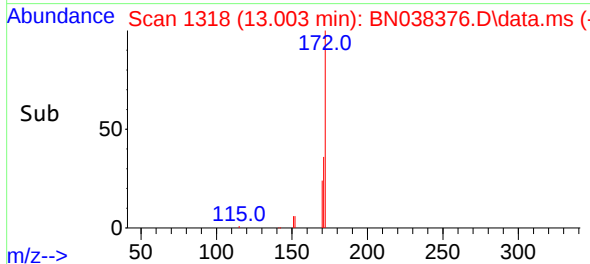
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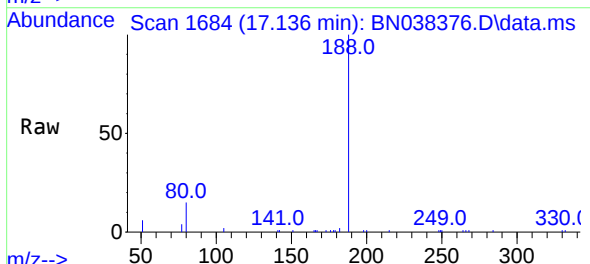
Tgt Ion:172 Resp: 9648
Ion Ratio Lower Upper
172 100
171 36.5 28.6 42.8
170 24.6 19.3 28.9

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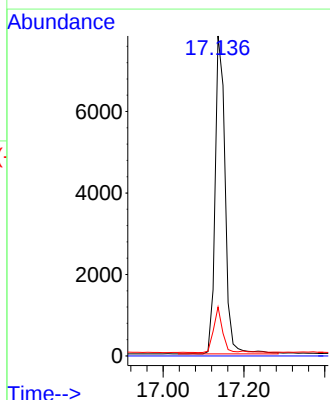
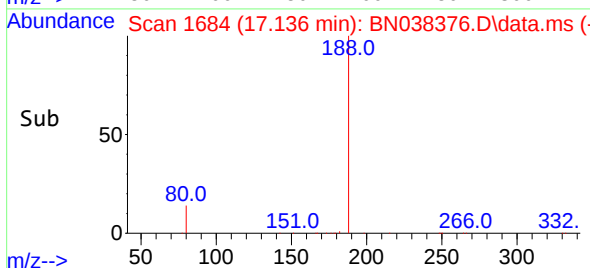
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

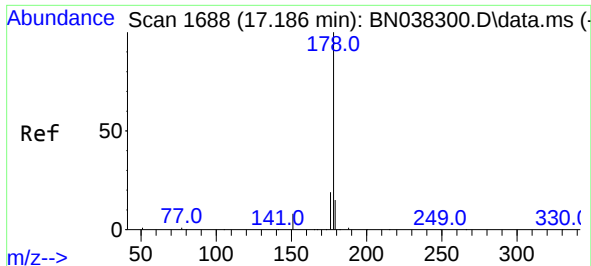


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.013 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18



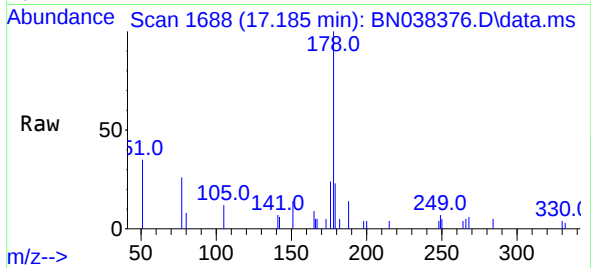
Tgt Ion:188 Resp: 13471
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.3 7.4 11.0#





#25
Phenanthrene
Concen: 0.041 ng
RT: 17.185 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

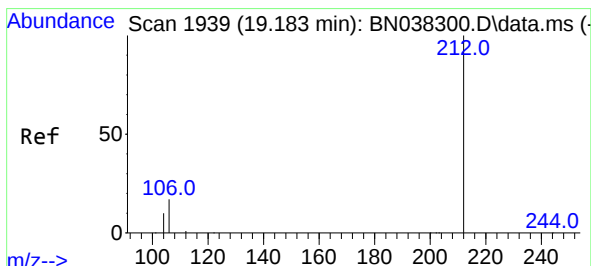
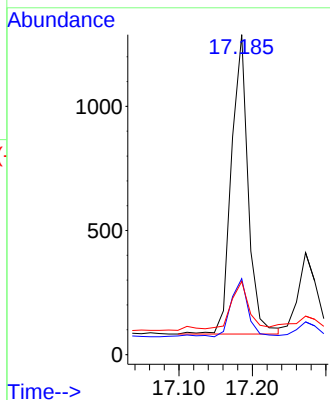
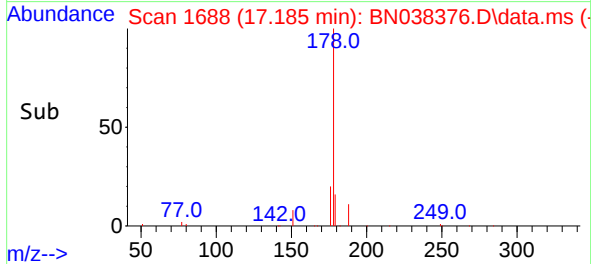
Instrument :
BNA_N
ClientSampleId :
C0B02



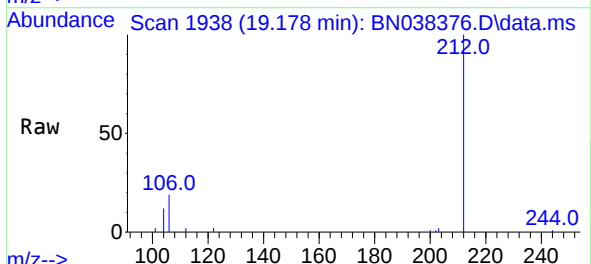
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Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 17.0 12.2 18.2

Manual Integrations
APPROVED

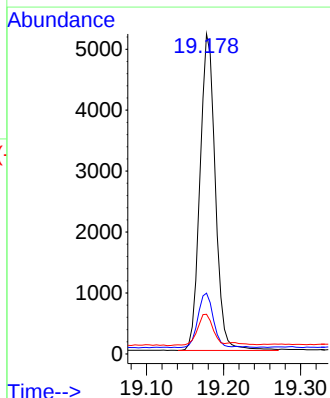
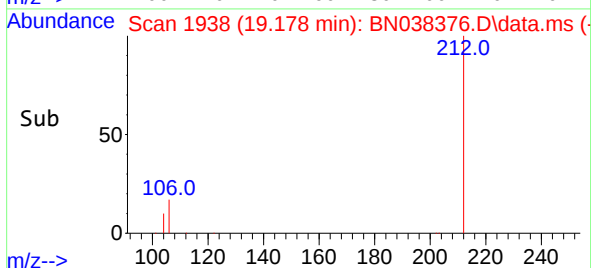
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

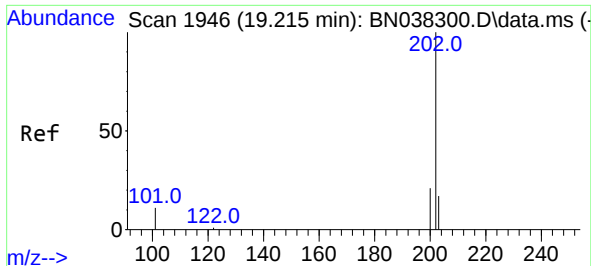


#27
Fluoranthene-d10
Concen: 0.216 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.010 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18



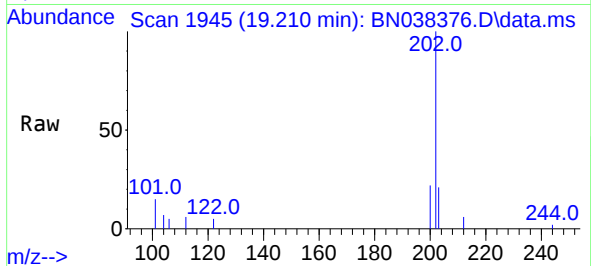
Tgt Ion:212 Resp: 7183
Ion Ratio Lower Upper
212 100
106 17.4 13.7 20.5
104 10.2 7.8 11.8





#28
Fluoranthene
Concen: 0.071 ng
RT: 19.210 min Scan# 1946
Delta R.T. -0.010 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

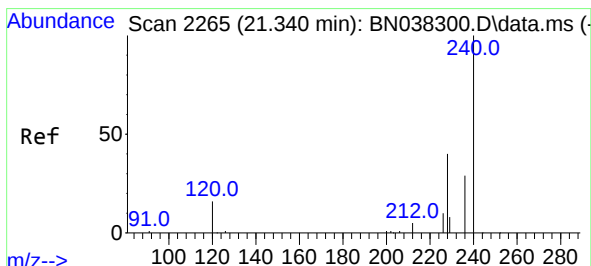
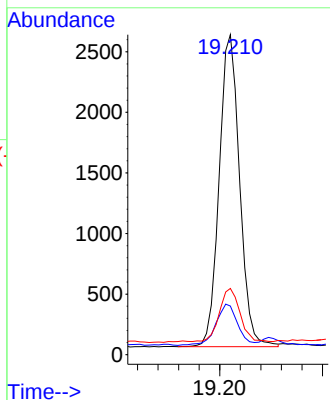
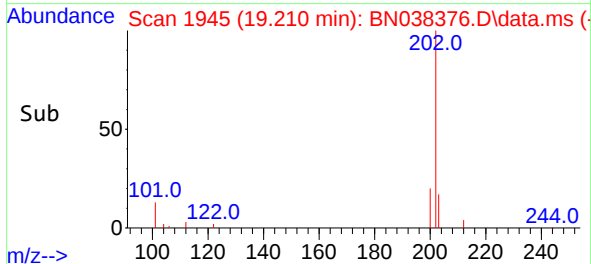
Instrument :
BNA_N
ClientSampleId :
C0B02



Tgt Ion:202 Resp: 3560
Ion Ratio Lower Upper
202 100
101 14.0 9.6 14.4
203 17.0 13.5 20.3

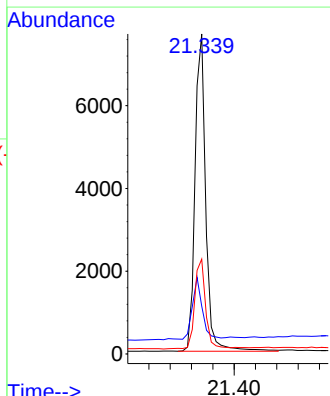
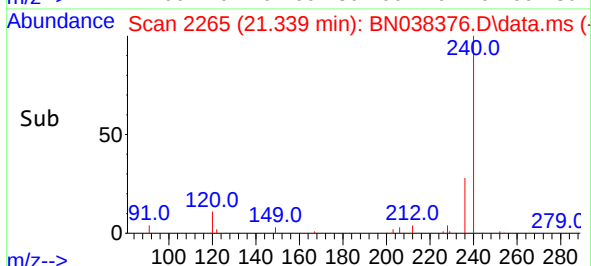
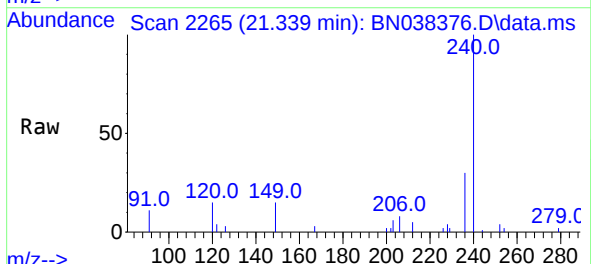
Manual Integrations
APPROVED

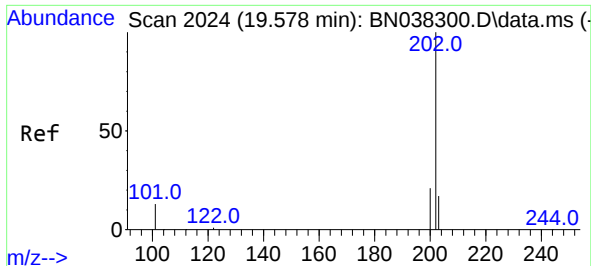
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

Tgt Ion:240 Resp: 10783
Ion Ratio Lower Upper
240 100
120 15.0 15.4 23.2#
236 29.7 23.9 35.9





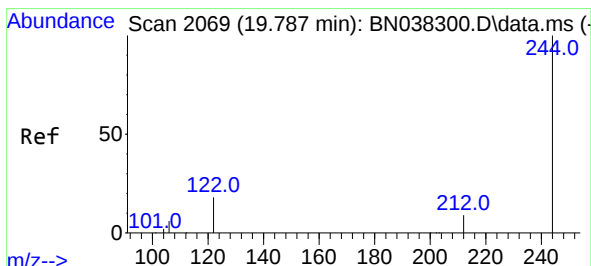
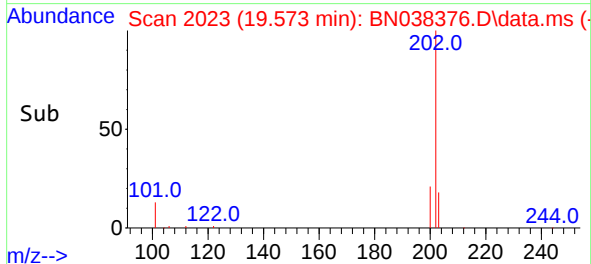
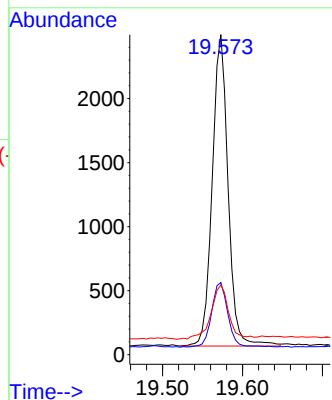
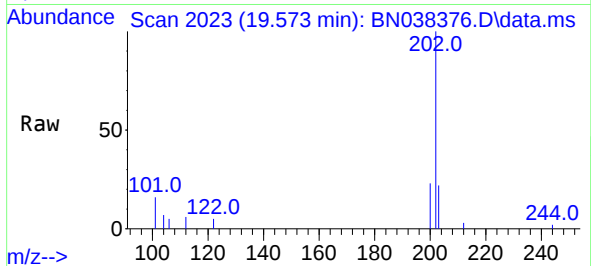
#30
Pyrene
Concen: 0.063 ng
RT: 19.573 min Scan# 202
Delta R.T. -0.010 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

Instrument :
BNA_N
ClientSampleId :
C0B02

Tgt Ion:202 Resp: 3350
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 19.7 14.2 21.2

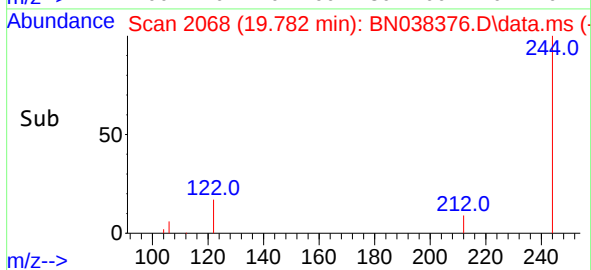
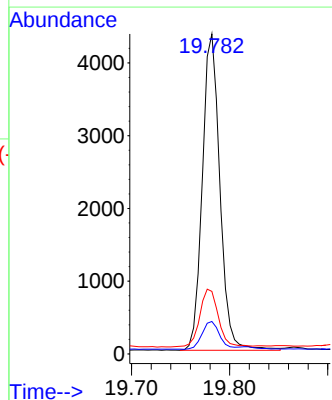
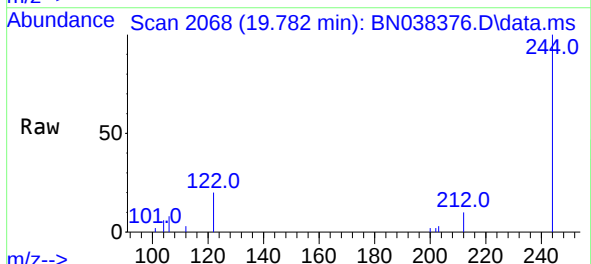
Manual Integrations
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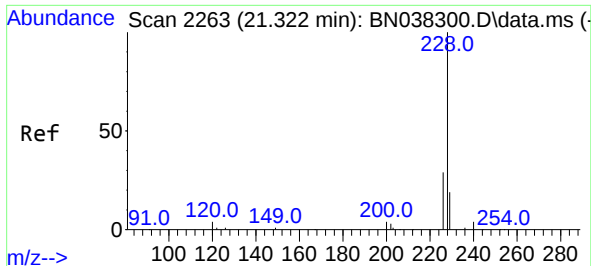
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#31
Terphenyl-d14
Concen: 0.225 ng
RT: 19.782 min Scan# 2068
Delta R.T. -0.010 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

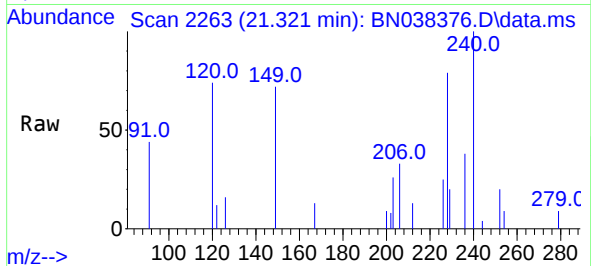
Tgt Ion:244 Resp: 5411
Ion Ratio Lower Upper
244 100
212 10.1 7.9 11.9
122 19.5 15.0 22.6





#32
Benzo(a)anthracene
Concen: 0.037 ng
RT: 21.321 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

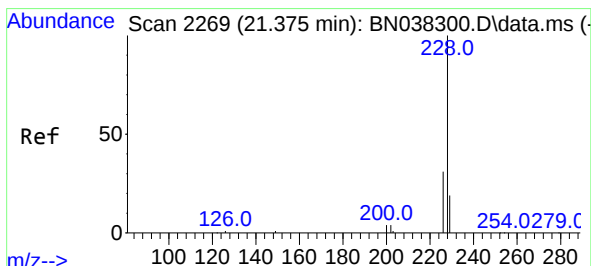
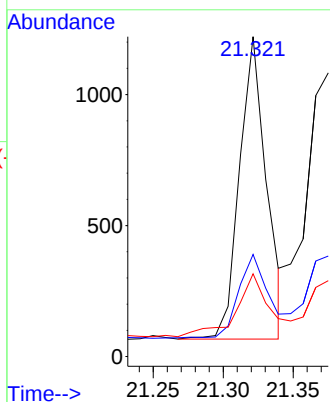
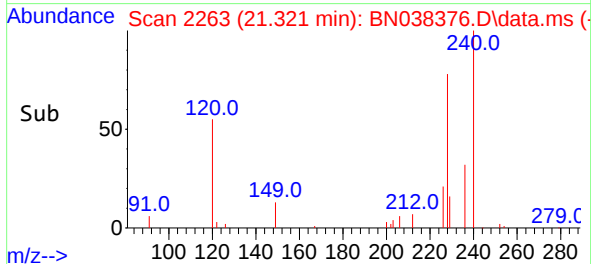
Instrument :
BNA_N
ClientSampleId :
C0B02



Tgt Ion:228 Resp: 155
Ion Ratio Lower Upper
228 100
226 31.9 23.3 34.9
229 25.9 15.7 23.5

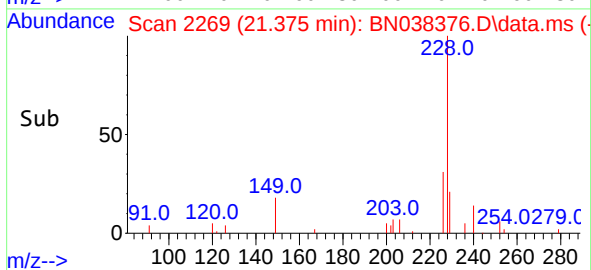
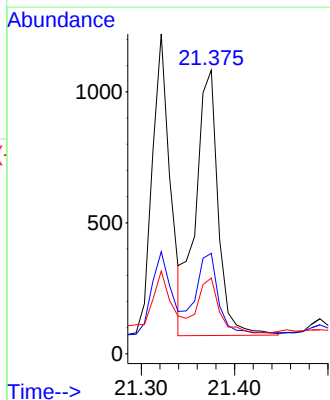
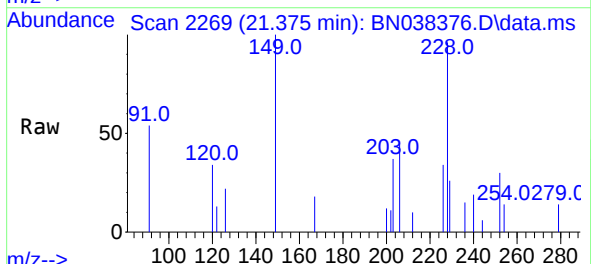
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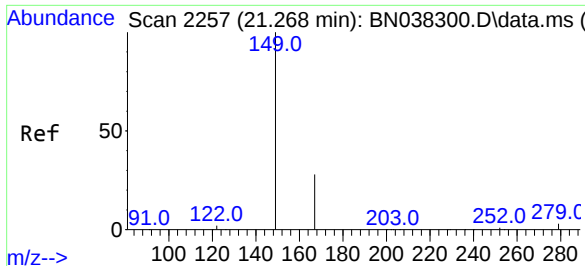
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#33
Chrysene
Concen: 0.037 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

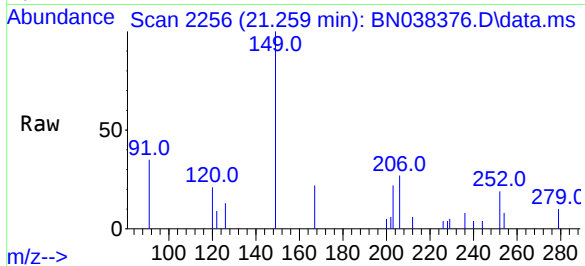
Tgt Ion:228 Resp: 1703
Ion Ratio Lower Upper
228 100
226 35.5 25.0 37.4
229 26.8 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.042 ng
RT: 21.259 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

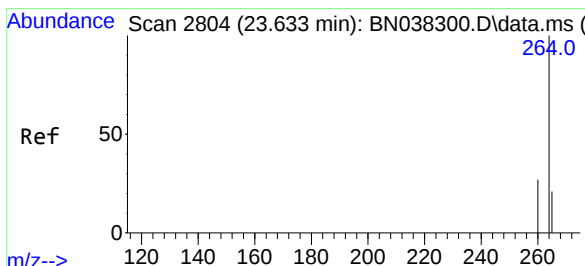
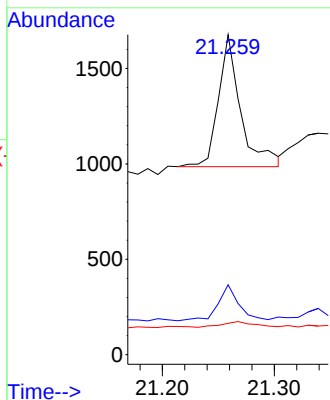
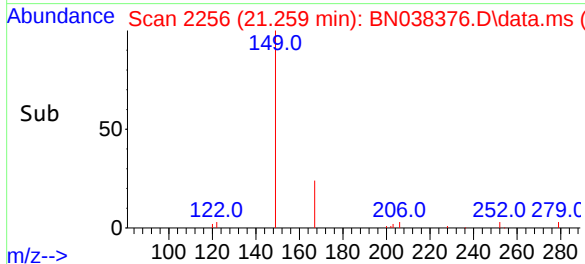
Instrument :
BNA_N
ClientSampleId :
C0B02



Tgt Ion:149 Resp: 95
Ion Ratio Lower Upper
149 100
167 25.4 21.4 32.0
279 6.1 2.4 3.6

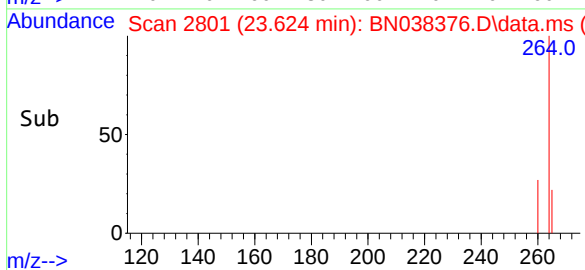
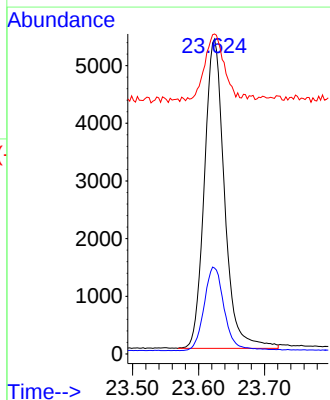
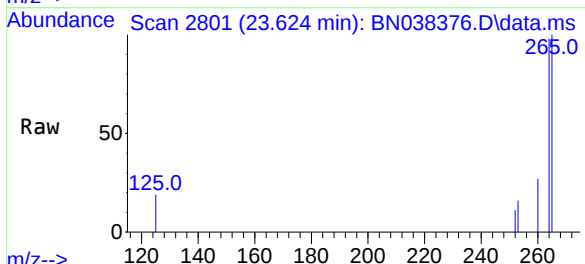
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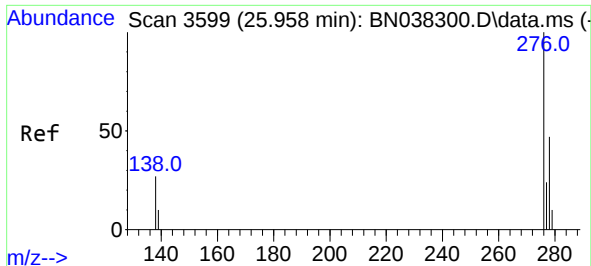
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.624 min Scan# 2801
Delta R.T. -0.009 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

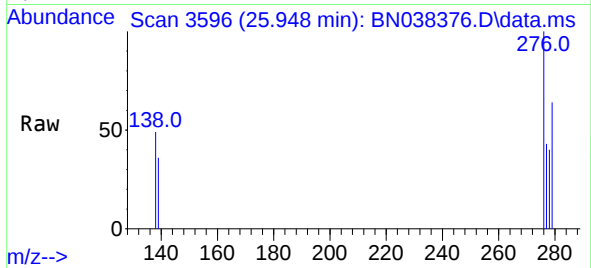
Tgt Ion:264 Resp: 11393
Ion Ratio Lower Upper
264 100
260 27.3 22.2 33.2
265 101.6 80.2 120.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.021 ng
RT: 25.948 min Scan# 3599
Delta R.T. -0.015 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

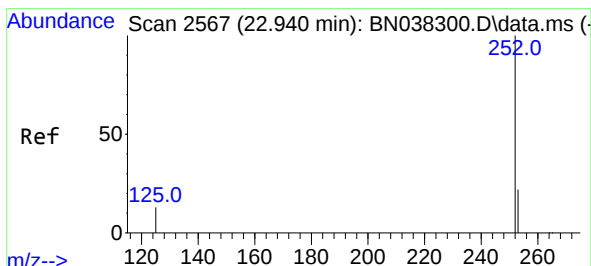
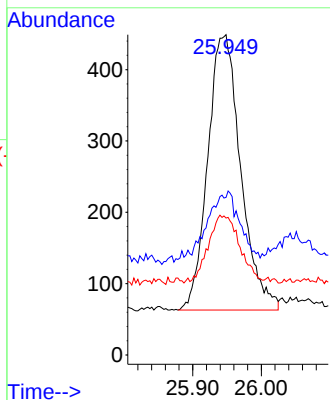
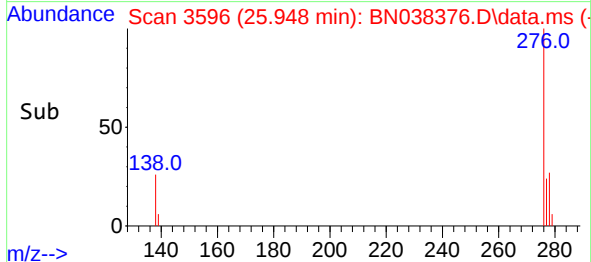
Instrument :
BNA_N
ClientSampleId :
C0B02



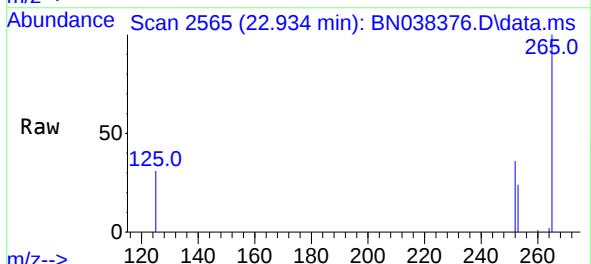
Tgt Ion:276 Resp: 1290
Ion Ratio Lower Upper
276 100
138 10.9 23.6 35.4#
277 22.8 19.7 29.5

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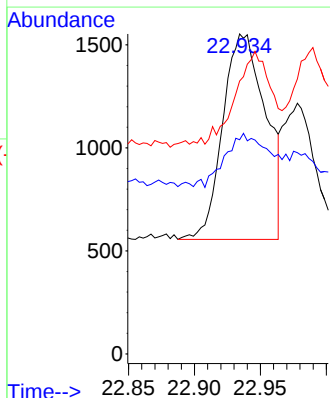
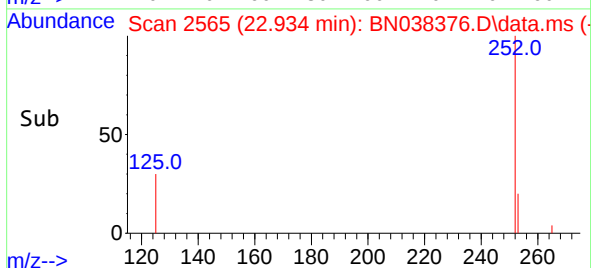
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

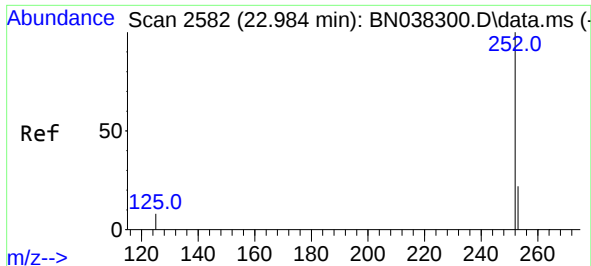


#37
Benzo(b)fluoranthene
Concen: 0.043 ng
RT: 22.934 min Scan# 2565
Delta R.T. -0.012 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18



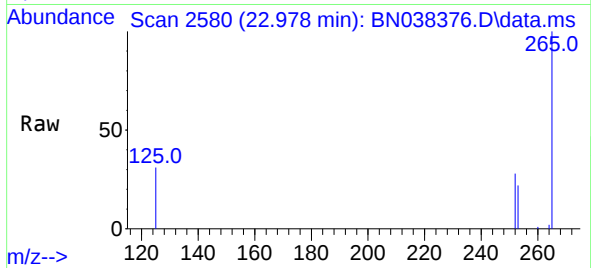
Tgt Ion:252 Resp: 2257
Ion Ratio Lower Upper
252 100
253 67.0 21.1 31.7#
125 85.3 16.4 24.6#





#38
Benzo(k)fluoranthene
Concen: 0.021 ng m
RT: 22.978 min Scan# 2109
Delta R.T. -0.012 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

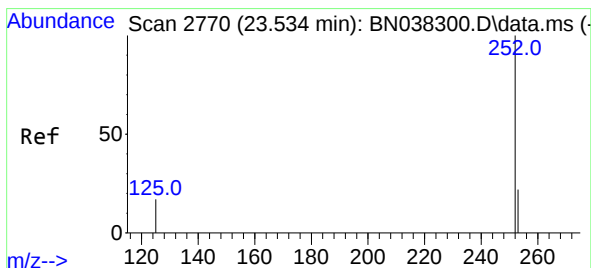
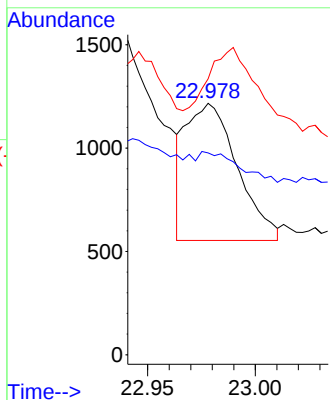
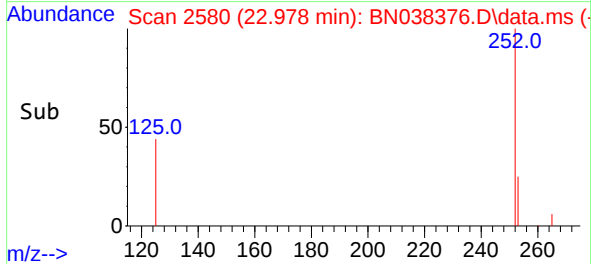
Instrument :
BNA_N
ClientSampleId :
C0B02



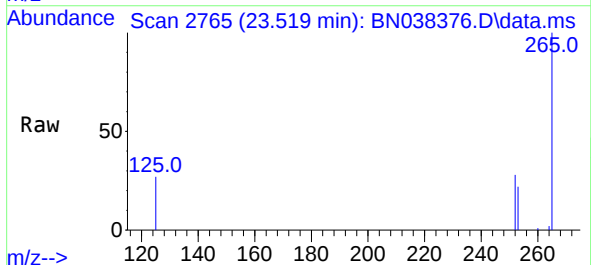
Tgt Ion:252 Resp: 1109
Ion Ratio Lower Upper
252 100
253 80.3 21.4 32.0#
125 109.7 16.2 24.2#

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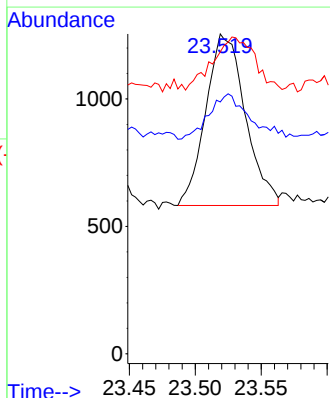
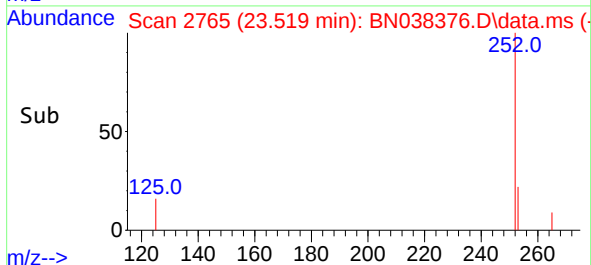
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

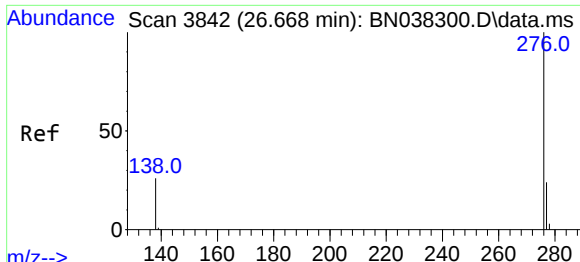


#39
Benzo(a)pyrene
Concen: 0.033 ng
RT: 23.519 min Scan# 2765
Delta R.T. -0.015 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18



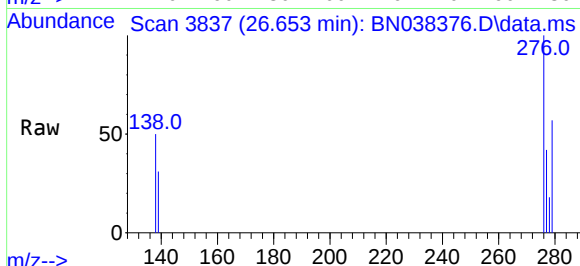
Tgt Ion:252 Resp: 1403
Ion Ratio Lower Upper
252 100
253 78.7 23.3 34.9#
125 94.4 22.4 33.6#





#41
Benzo(g,h,i)perylene
Concen: 0.025 ng
RT: 26.653 min Scan# 3837
Delta R.T. -0.024 min
Lab File: BN038376.D
Acq: 13 Dec 2025 07:18

Instrument :
BNA_N
ClientSampleId :
C0B02



Tgt Ion: 276 Resp: 1300
Ion Ratio Lower Upper
276 100
277 41.6 20.0 30.0
138 50.0 21.8 32.6

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

