

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038363.D
 Acq On : 12 Dec 2025 23:24
 Operator : RC/JU
 Sample : Q3839-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AM5

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 02:11:26 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	5498	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	14428	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	6975	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	11977	0.400	ng	#-0.01
29) Chrysene-d12	21.340	240	9318	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	10007	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	4936	0.360	ng	0.00
5) Phenol-d6	6.887	99	5834	0.358	ng	0.00
8) Nitrobenzene-d5	8.875	82	4626	0.380	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	6380	0.313	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	985	0.318	ng	-0.01
15) 2-Fluorobiphenyl	13.008	172	12983	0.386	ng	0.00
27) Fluoranthene-d10	19.178	212	7738	0.261	ng	0.00
31) Terphenyl-d14	19.782	244	5695	0.274	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.573	128	4751	0.111	ng	95
12) 2-Methylnaphthalene	12.197	142	3824	0.141	ng	98
25) Phenanthrene	17.186	178	12425	0.298	ng	99
26) Anthracene	17.273	178	1548m	0.043	ng	
28) Fluoranthene	19.211	202	17538	0.396	ng	98
30) Pyrene	19.573	202	10907	0.238	ng	98
32) Benzo(a)anthracene	21.322	228	8083m	0.225	ng	
33) Chrysene	21.366	228	14132	0.357	ng	96
34) Bis(2-ethylhexyl)phtha...	21.259	149	3632	0.184	ng	99
36) Indeno(1,2,3-cd)pyrene	25.946	276	3031	0.057	ng	95
37) Benzo(b)fluoranthene	22.935	252	15371	0.334	ng	# 91
38) Benzo(k)fluoranthene	22.973	252	3165m	0.069	ng	
39) Benzo(a)pyrene	23.522	252	1708	0.045	ng	# 15
40) Dibenzo(a,h)anthracene	25.952	278	1285	0.031	ng	# 18
41) Benzo(g,h,i)perylene	26.653	276	3276	0.072	ng	# 87

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

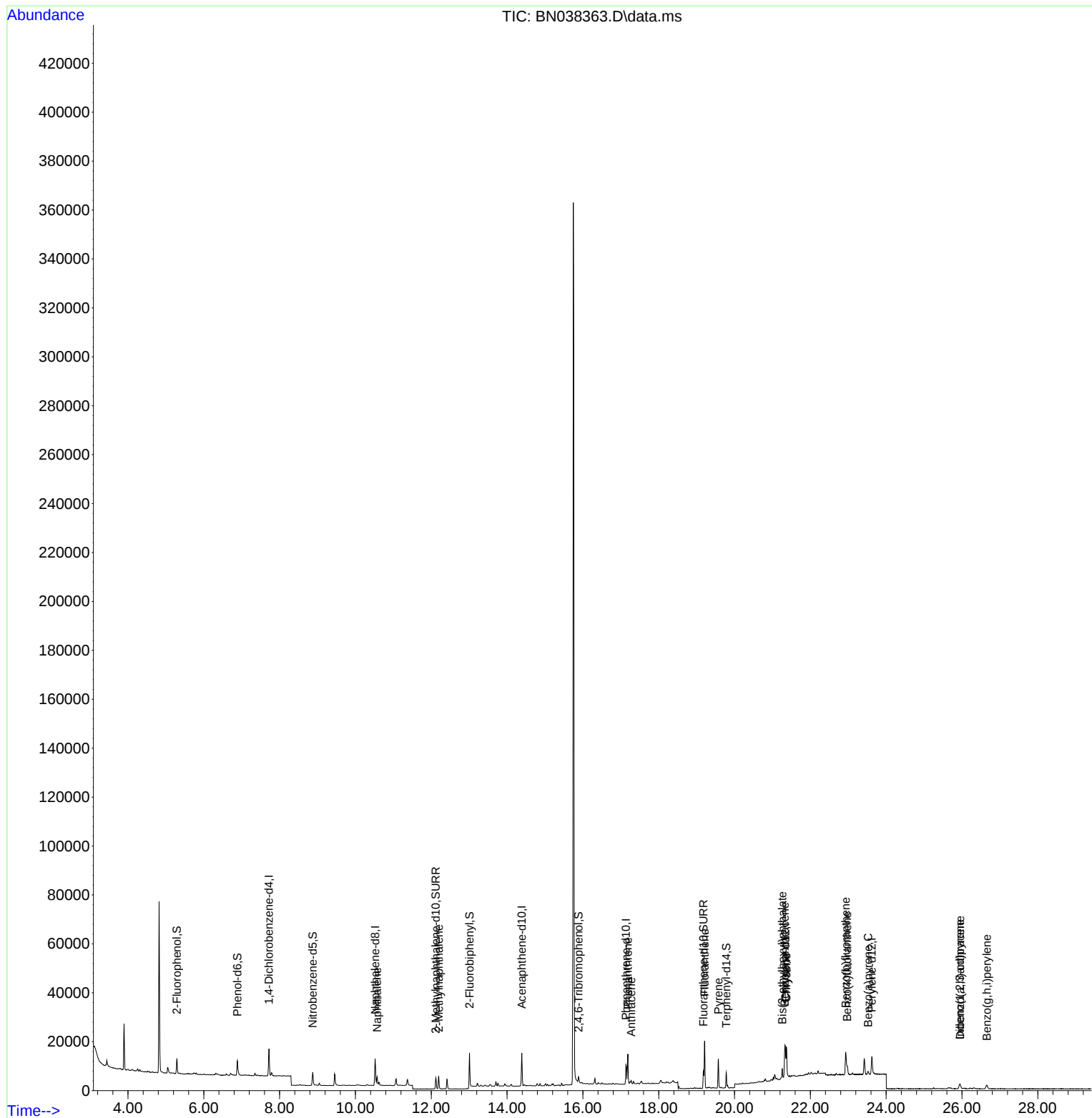
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038363.D
Acq On : 12 Dec 2025 23:24
Operator : RC/JU
Sample : Q3839-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

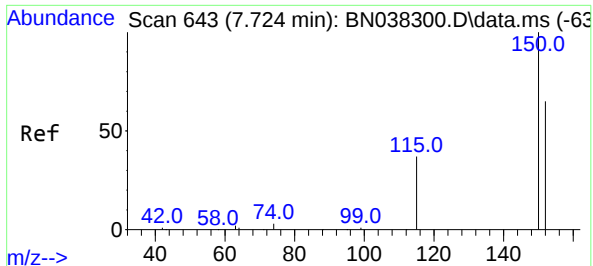
Instrument :
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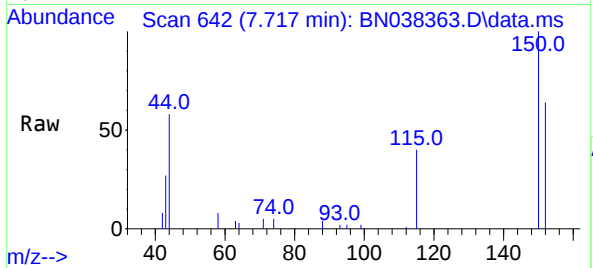
Quant Time: Dec 13 02:11:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 643
Delta R.T. -0.007 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

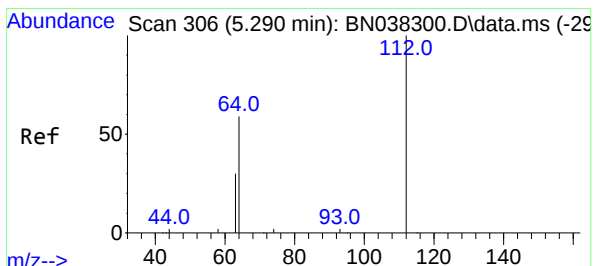
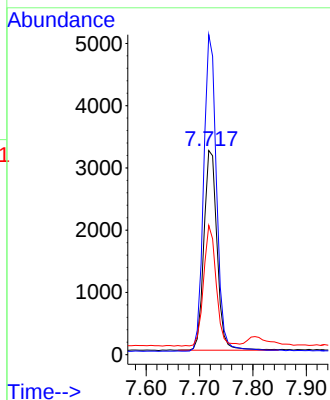
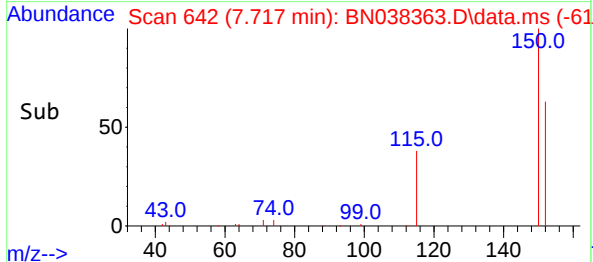
Instrument :
BNA_N
ClientSampleId :
COAM5



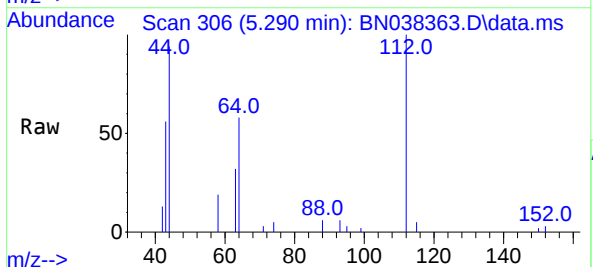
Tgt Ion:152 Resp: 5498
Ion Ratio Lower Upper
152 100
150 156.8 122.4 183.6
115 63.3 47.3 70.9

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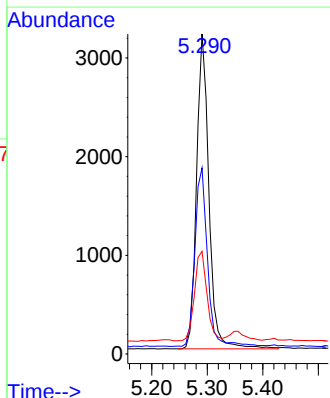
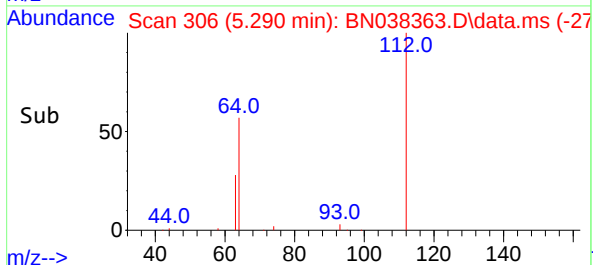
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

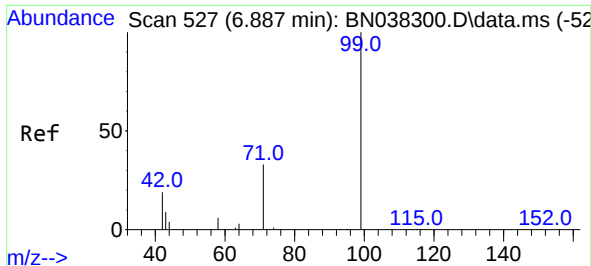


#4
2-Fluorophenol
Concen: 0.360 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24



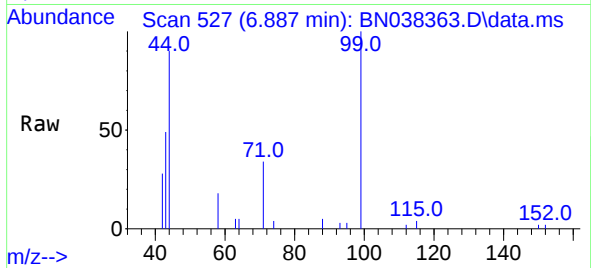
Tgt Ion:112 Resp: 4936
Ion Ratio Lower Upper
112 100
64 58.3 44.4 66.6
63 28.8 23.4 35.0





#5
Phenol-d6
Concen: 0.358 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

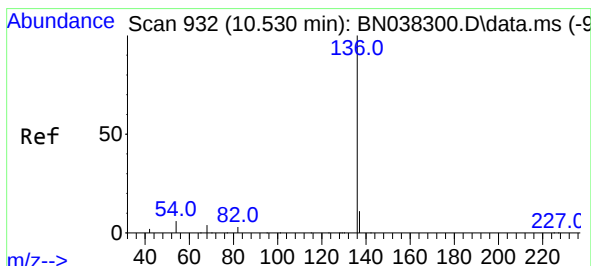
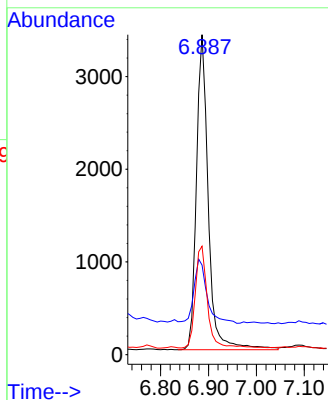
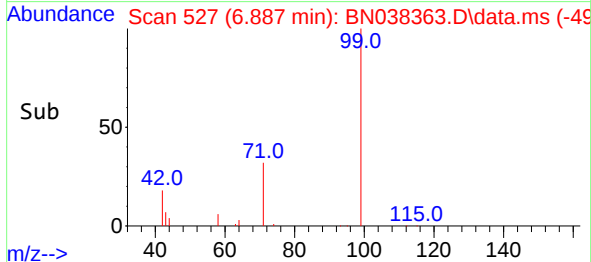
Instrument :
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ClientSampleId :
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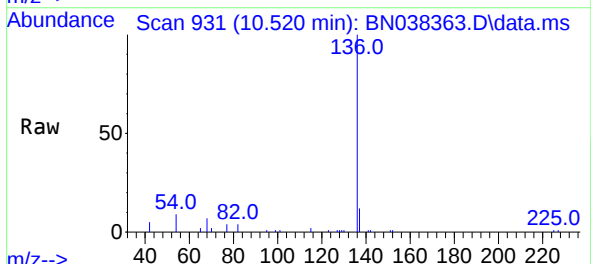
Tgt Ion: 99 Resp: 5834
Ion Ratio Lower Upper
99 100
42 22.1 16.5 24.7
71 33.1 24.9 37.3

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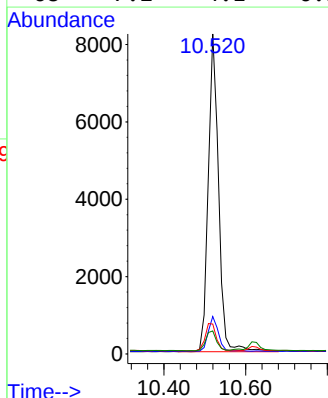
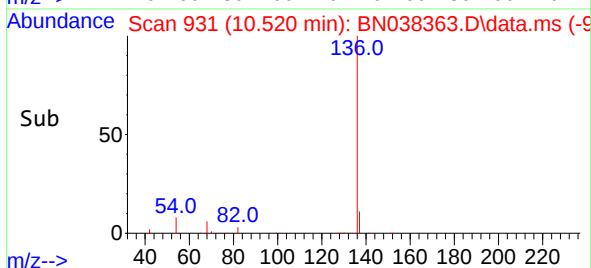
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

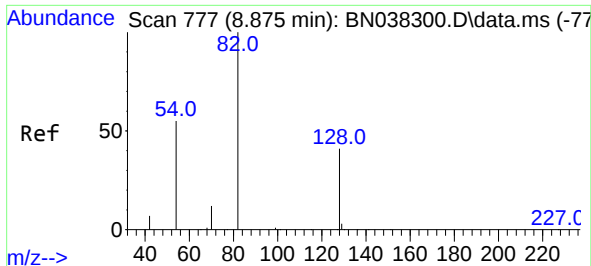


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24



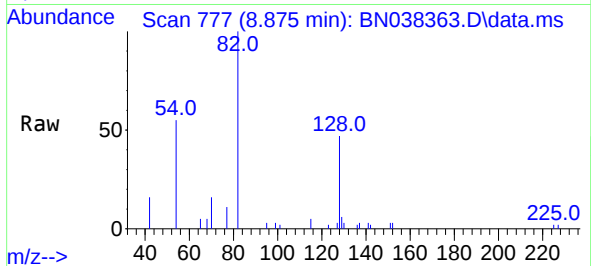
Tgt Ion:136 Resp: 14428
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 9.4 5.2 7.8#
68 7.2 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.380 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

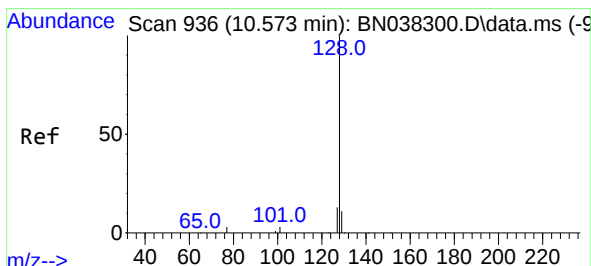
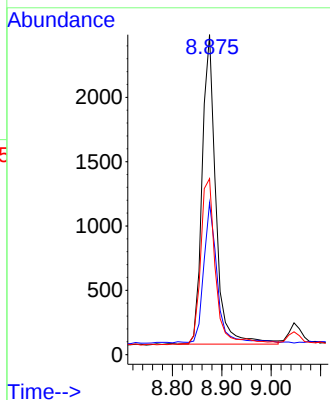
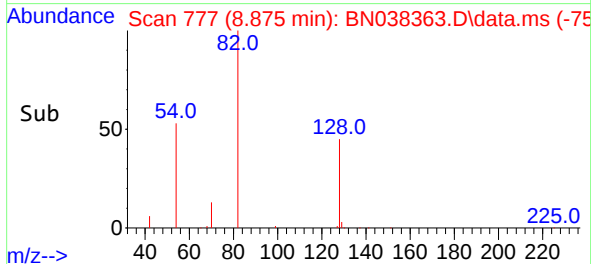
Instrument :
BNA_N
ClientSampleId :
COAM5



Tgt Ion: 82 Resp: 4620
Ion Ratio Lower Upper
82 100
128 47.4 34.0 51.0
54 55.0 44.4 66.6

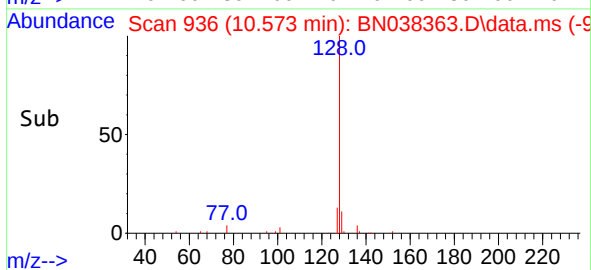
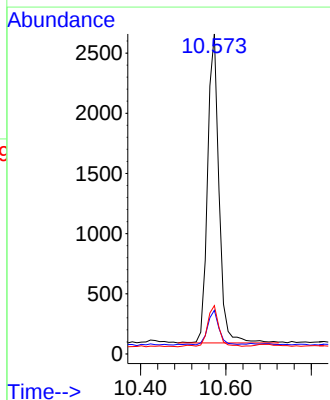
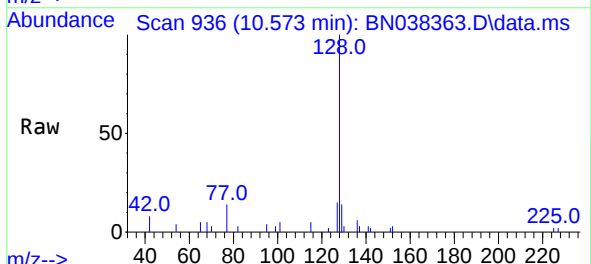
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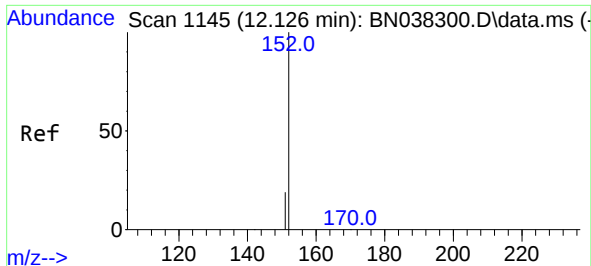
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#9
Naphthalene
Concen: 0.111 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

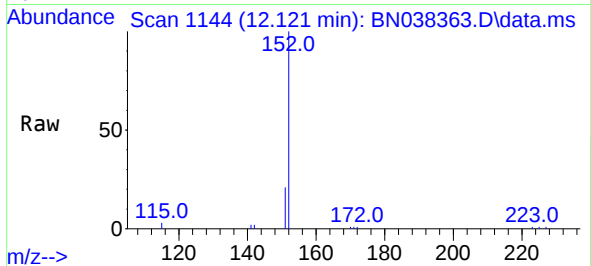
Tgt Ion:128 Resp: 4751
Ion Ratio Lower Upper
128 100
129 13.7 9.1 13.7
127 15.1 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.313 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

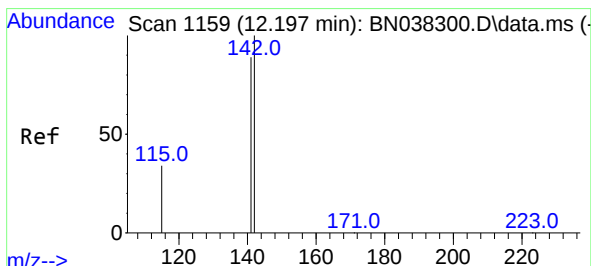
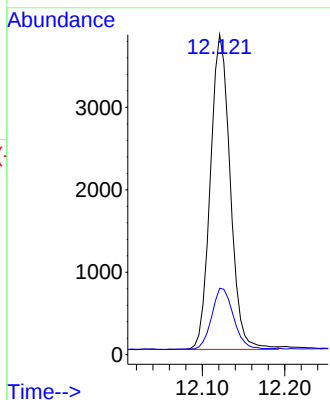
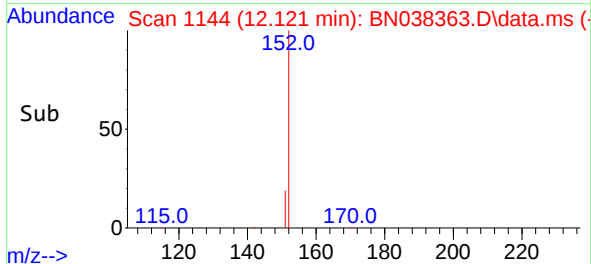
Instrument :
BNA_N
ClientSampleId :
C0AM5



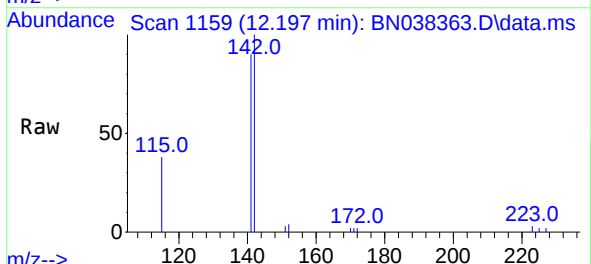
Tgt Ion:152 Resp: 6380
Ion Ratio Lower Upper
152 100
151 21.6 17.0 25.6

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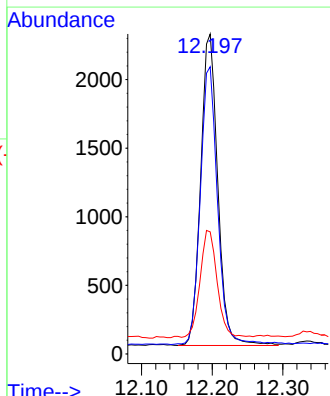
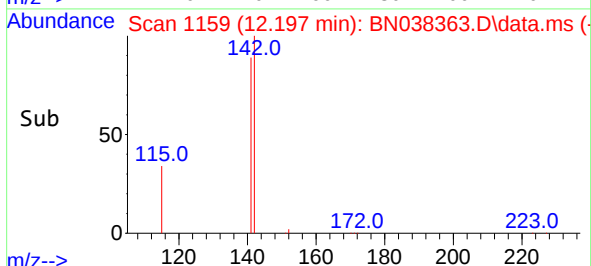
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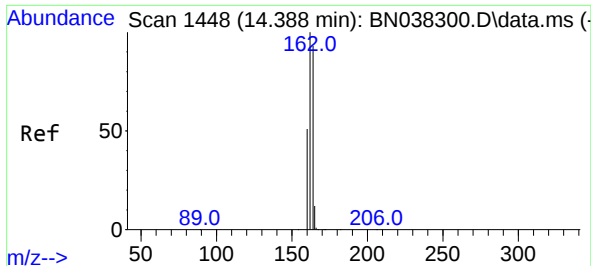


#12
2-Methylnaphthalene
Concen: 0.141 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24



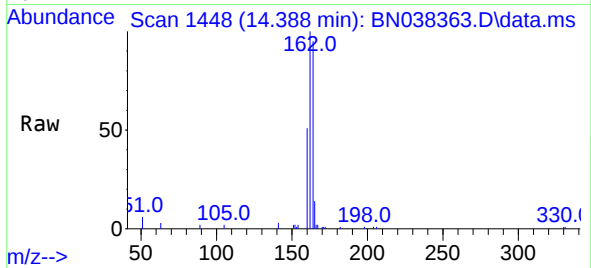
Tgt Ion:142 Resp: 3824
Ion Ratio Lower Upper
142 100
141 89.8 71.4 107.2
115 38.1 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

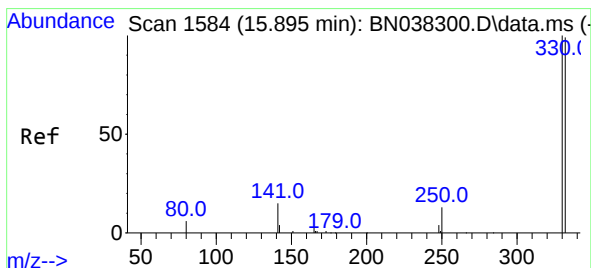
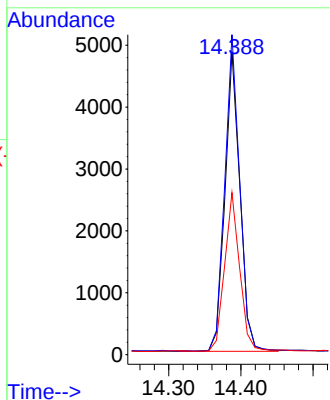
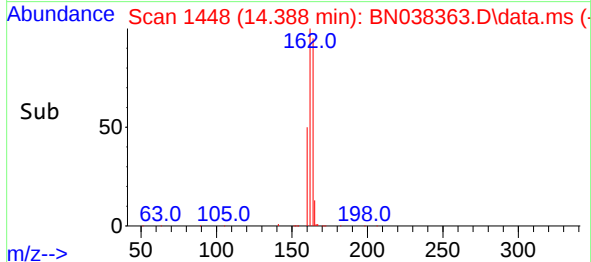
Instrument :
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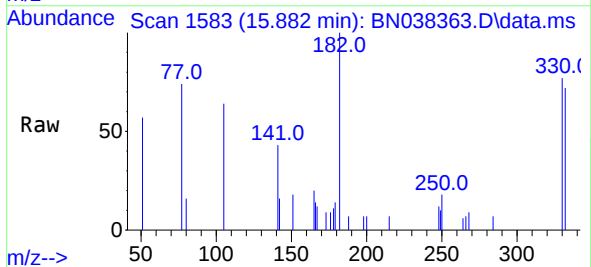
Tgt Ion:164 Resp: 6975
Ion Ratio Lower Upper
164 100
162 105.7 86.2 129.4
160 53.5 44.6 67.0

Manual Integrations
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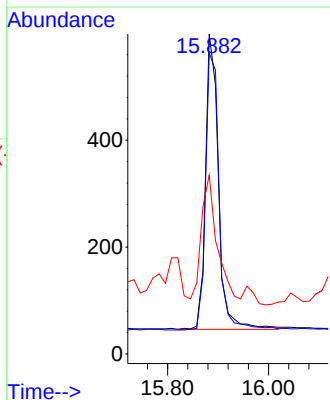
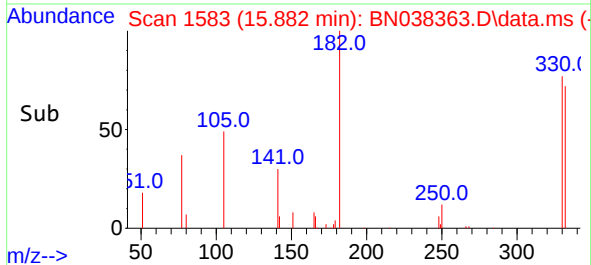
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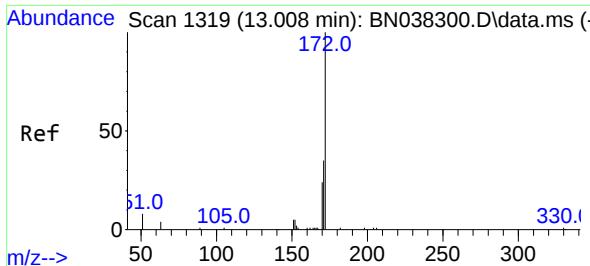


#14
2,4,6-Tribromophenol
Concen: 0.318 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24



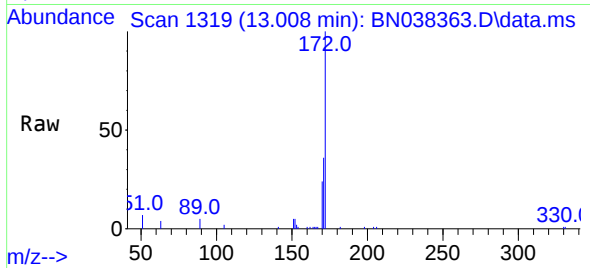
Tgt Ion:330 Resp: 985
Ion Ratio Lower Upper
330 100
332 97.6 75.8 113.6
141 52.9 31.8 47.8#





#15
2-Fluorobiphenyl
Concen: 0.386 ng
RT: 13.008 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

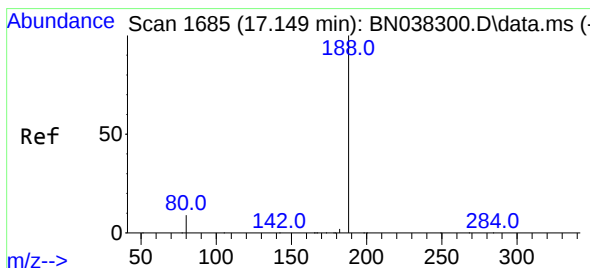
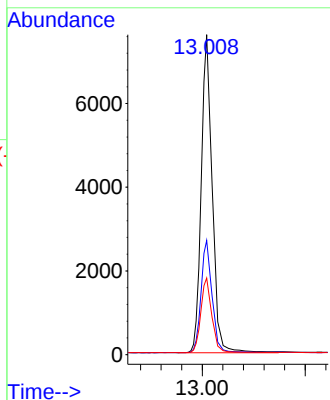
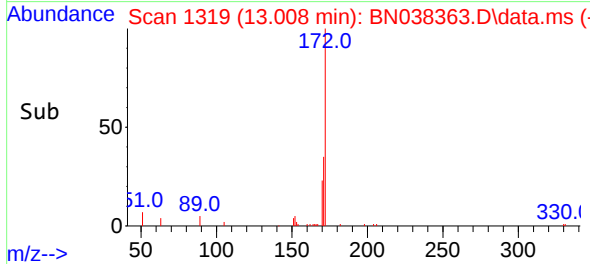
Instrument :
BNA_N
ClientSampleId :
COAM5



Tgt Ion:172 Resp: 1298
Ion Ratio Lower Upper
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171 35.7 28.6 42.8
170 23.9 19.3 28.9

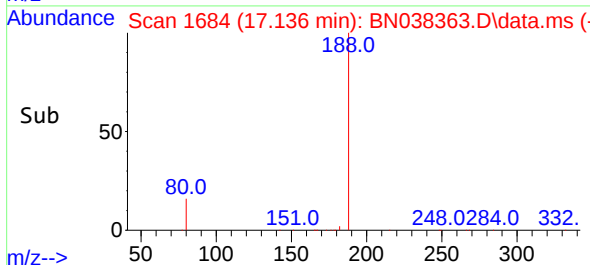
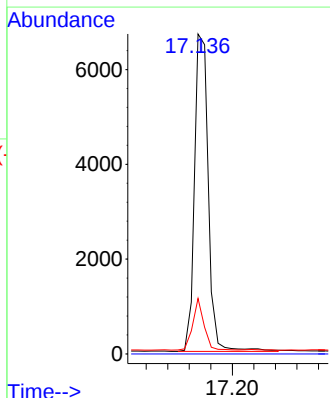
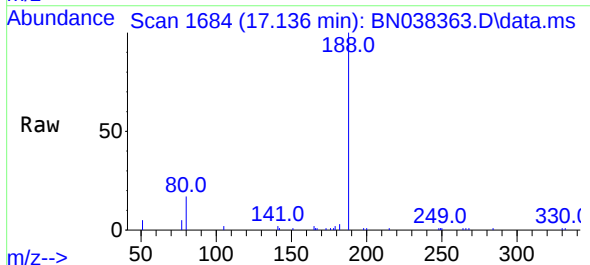
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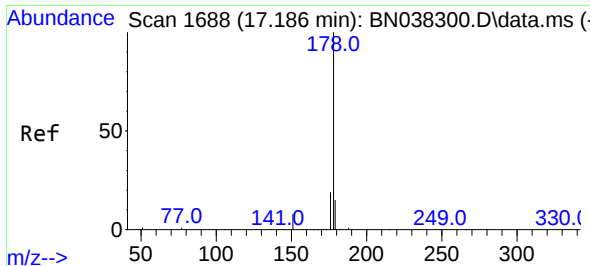
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

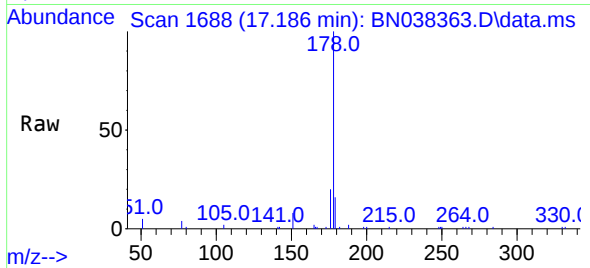
Tgt Ion:188 Resp: 11977
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.4 7.4 11.0#





#25
Phenanthrene
Concen: 0.298 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

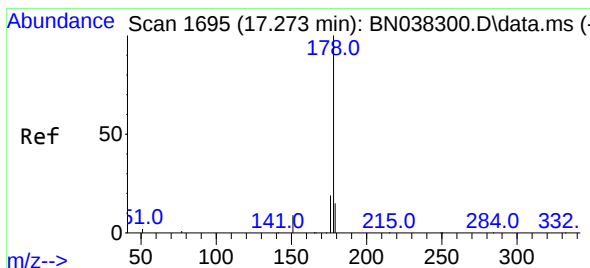
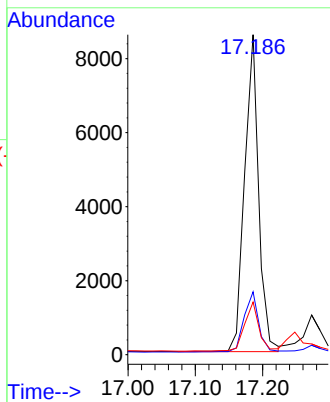
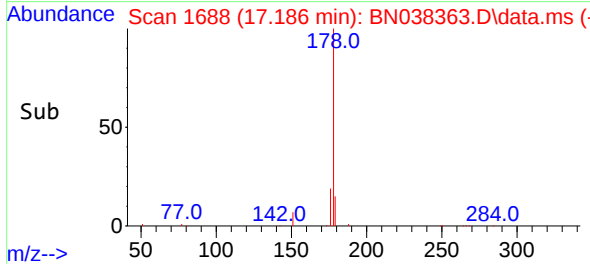
Instrument :
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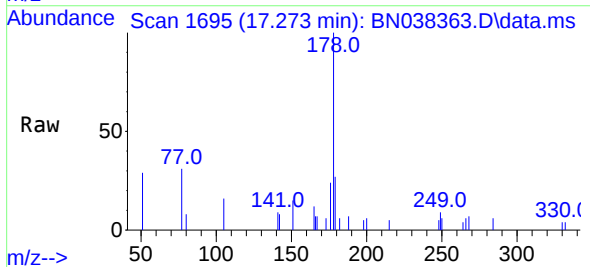
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Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.8 12.2 18.2

Manual Integrations
APPROVED

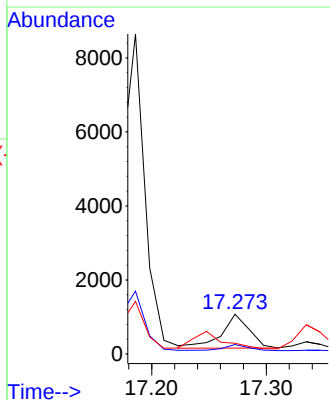
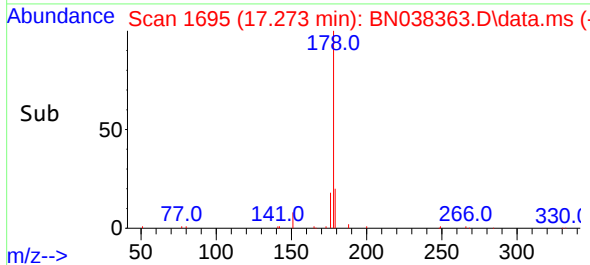
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

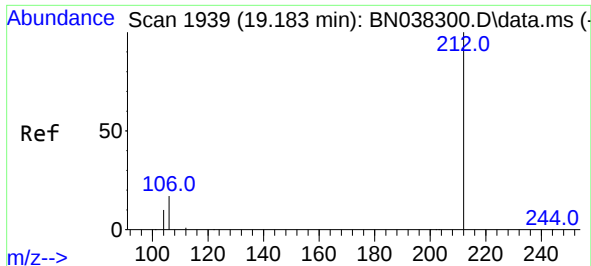


#26
Anthracene
Concen: 0.043 ng m
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24



Tgt Ion:178 Resp: 1548
Ion Ratio Lower Upper
178 100
176 158.4 15.1 22.7#
179 124.0 12.0 18.0#





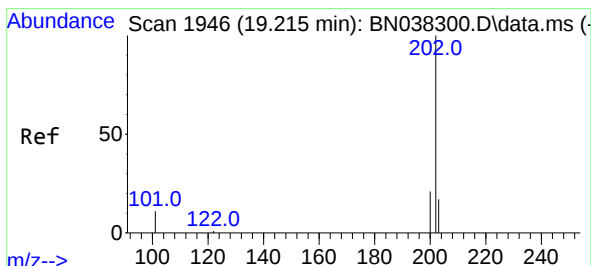
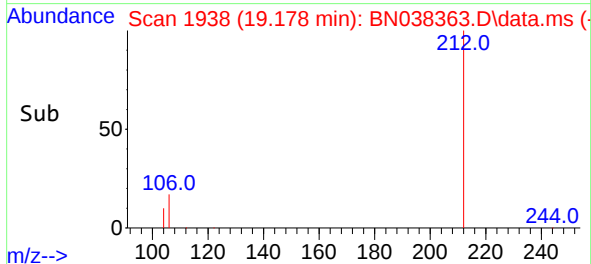
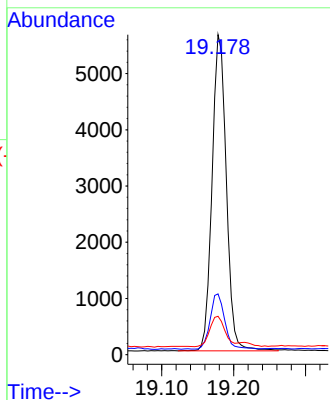
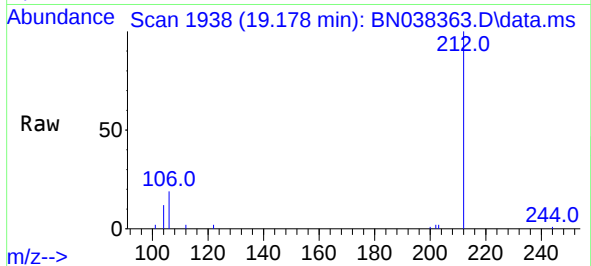
#27
Fluoranthene-d10
Concen: 0.261 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

Instrument :
BNA_N
ClientSampleId :
C0AM5

Tgt Ion:212 Resp: 7738
Ion Ratio Lower Upper
212 100
106 17.7 13.7 20.5
104 10.4 7.8 11.8

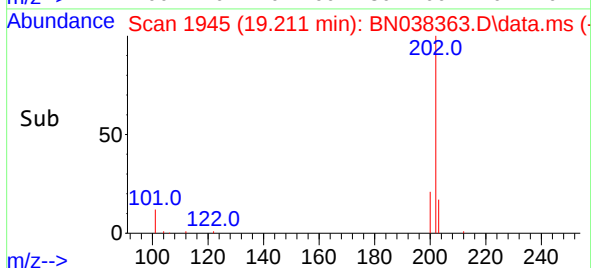
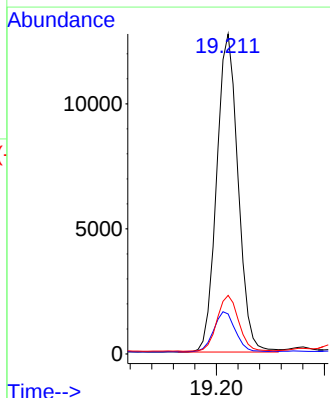
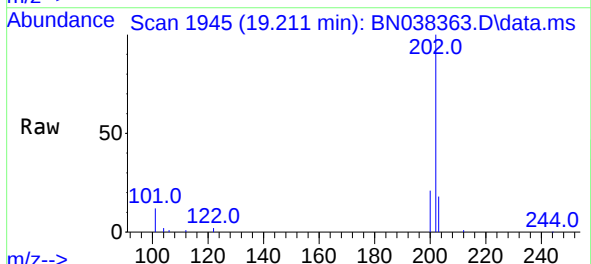
Manual Integrations
APPROVED

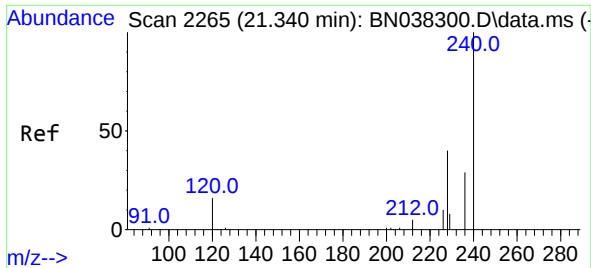
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#28
Fluoranthene
Concen: 0.396 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

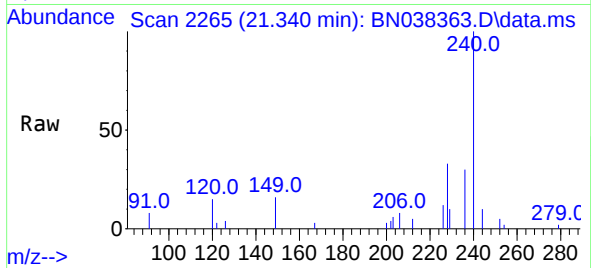
Tgt Ion:202 Resp: 17538
Ion Ratio Lower Upper
202 100
101 12.9 9.6 14.4
203 17.7 13.5 20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

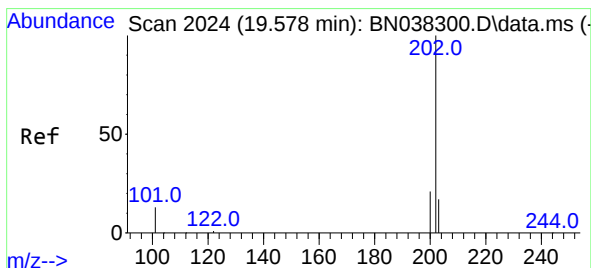
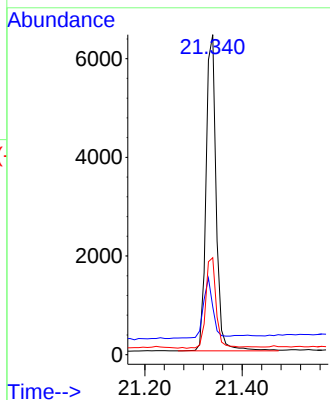
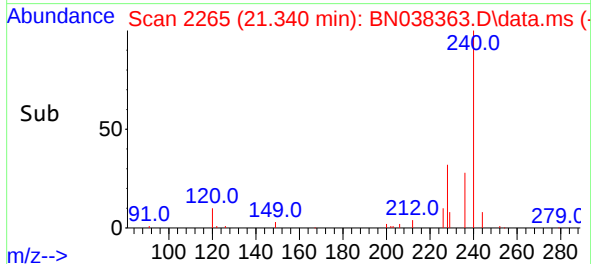
Instrument :
BNA_N
ClientSampleId :
C0AM5



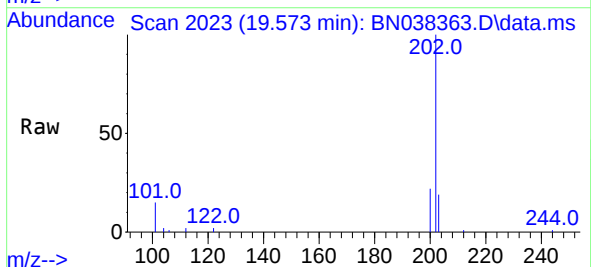
Tgt Ion:240 Resp: 9318
Ion Ratio Lower Upper
240 100
120 14.9 15.4 23.2
236 30.3 23.9 35.9

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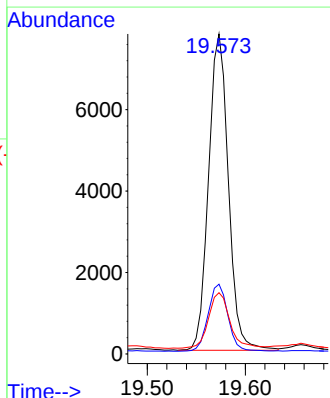
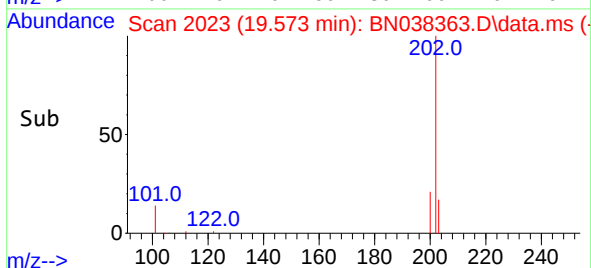
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

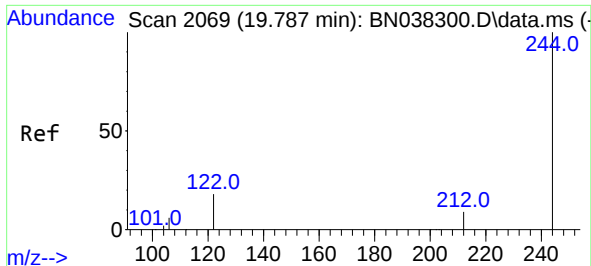


#30
Pyrene
Concen: 0.238 ng
RT: 19.573 min Scan# 2023
Delta R.T. -0.009 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24



Tgt Ion:202 Resp: 10907
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 19.0 14.2 21.2





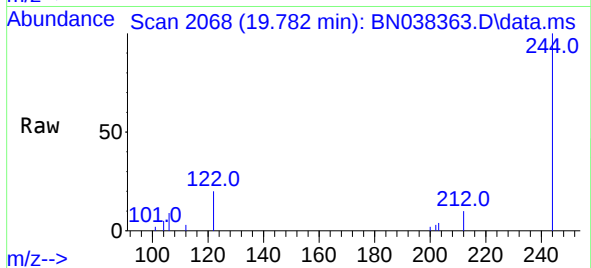
#31
 Terphenyl-d14
 Concen: 0.274 ng
 RT: 19.782 min Scan# 2068
 Delta R.T. -0.009 min
 Lab File: BN038363.D
 Acq: 12 Dec 2025 23:24

Instrument :

BNA_N

ClientSampleId :

COAM5

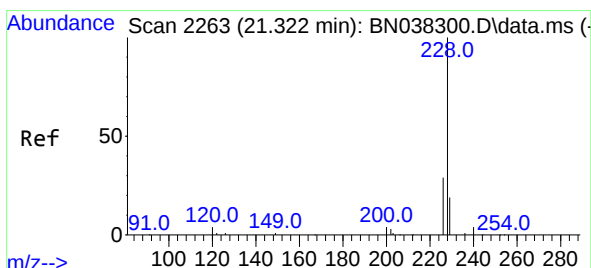
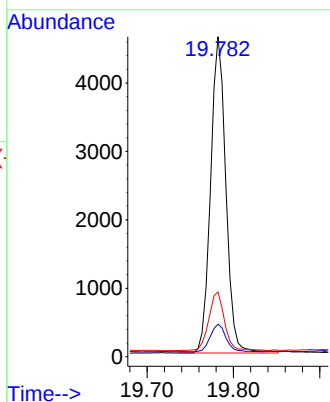
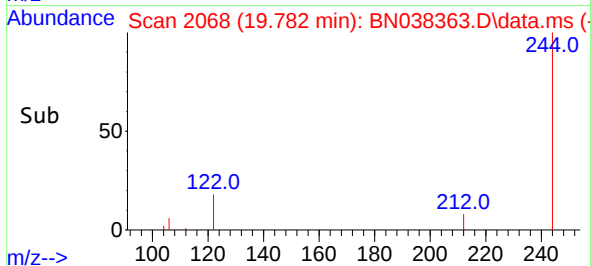


Tgt Ion:244 Resp: 569
 Ion Ratio Lower Upper
 244 100
 212 10.2 7.9 11.9
 122 20.2 15.0 22.6

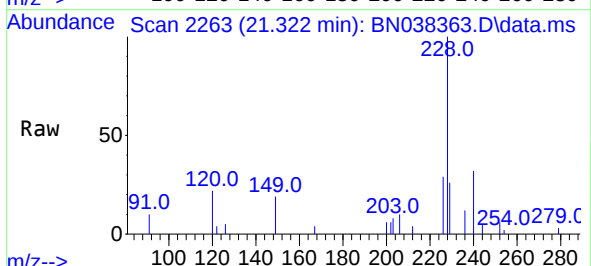
Manual Integrations

APPROVED

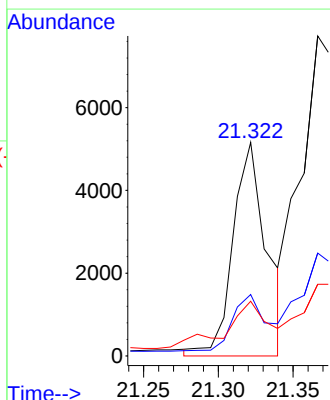
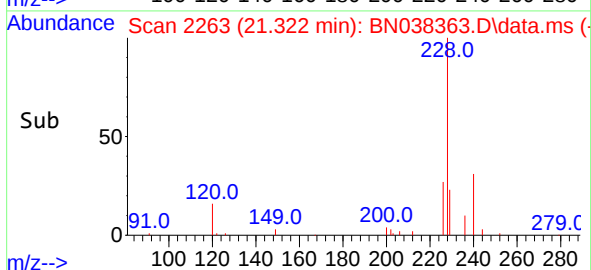
Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

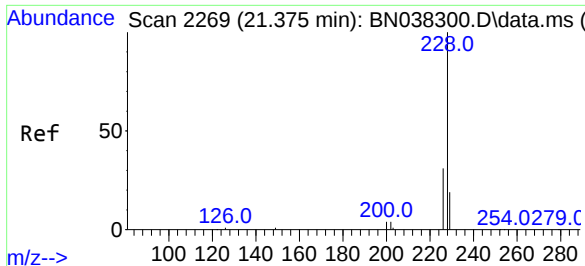


#32
 Benzo(a)anthracene
 Concen: 0.225 ng m
 RT: 21.322 min Scan# 2263
 Delta R.T. -0.009 min
 Lab File: BN038363.D
 Acq: 12 Dec 2025 23:24



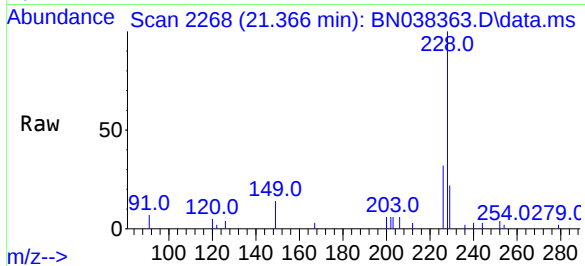
Tgt Ion:228 Resp: 8083
 Ion Ratio Lower Upper
 228 100
 226 28.8 23.3 34.9
 229 25.7 15.7 23.5#





#33
Chrysene
Concen: 0.357 ng
RT: 21.366 min Scan# 2136
Delta R.T. -0.009 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

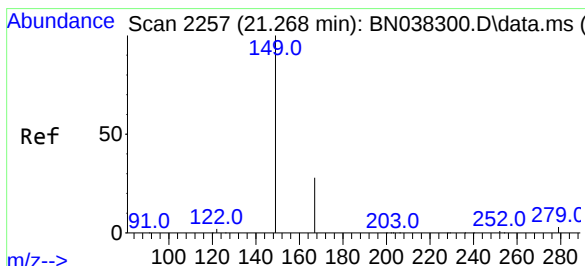
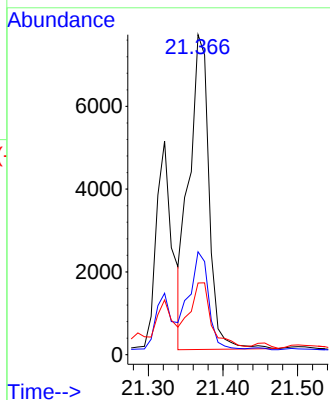
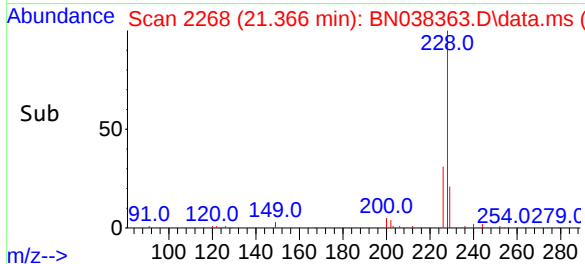
Instrument :
BNA_N
ClientSampleId :
COAM5



Tgt Ion:228 Resp: 1413
Ion Ratio Lower Upper
228 100
226 32.2 25.0 37.4
229 22.4 15.5 23.3

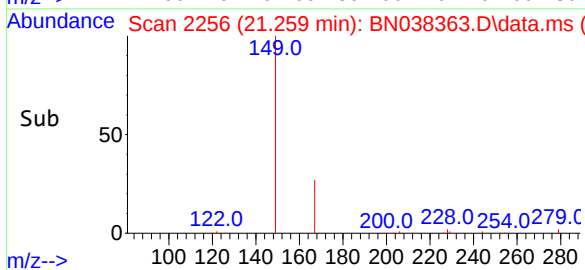
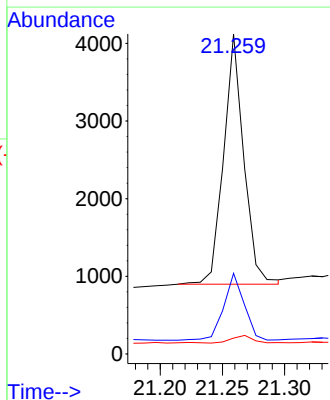
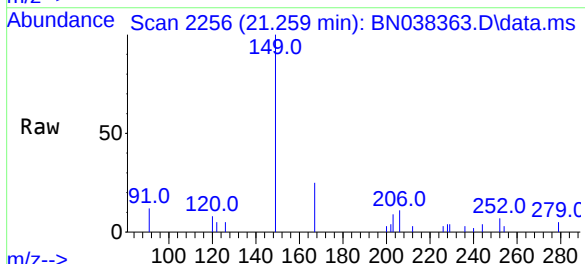
Manual Integrations
APPROVED

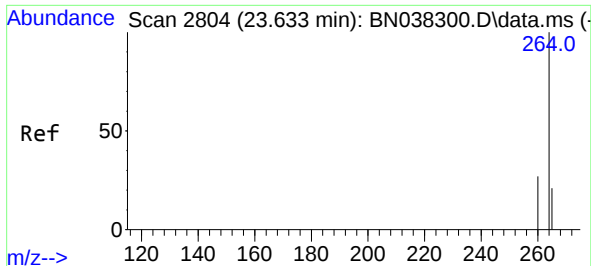
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.184 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.009 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

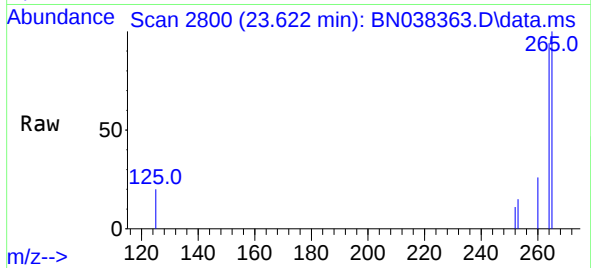
Tgt Ion:149 Resp: 3632
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.0
279 3.4 2.4 3.6





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

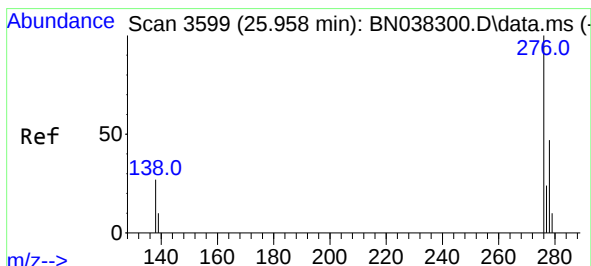
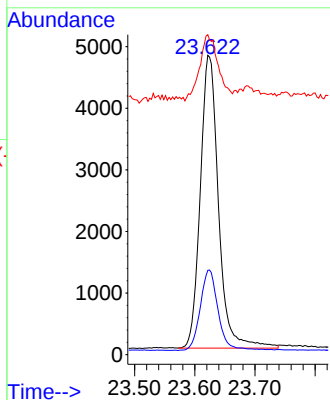
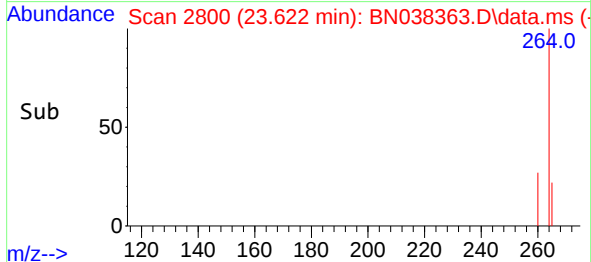
Instrument :
BNA_N
ClientSampleId :
C0AM5



Tgt Ion:264 Resp: 1000
Ion Ratio Lower Upper
264 100
260 28.2 22.2 33.2
265 106.9 80.2 120.2

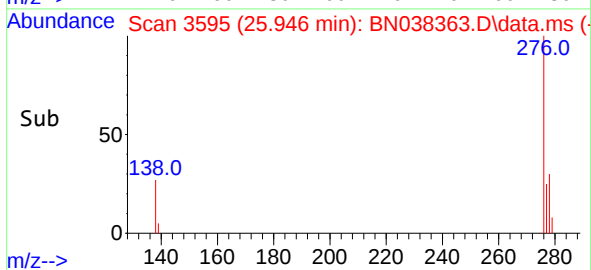
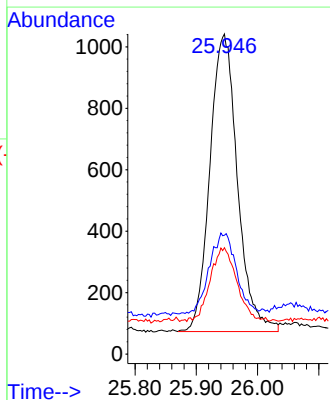
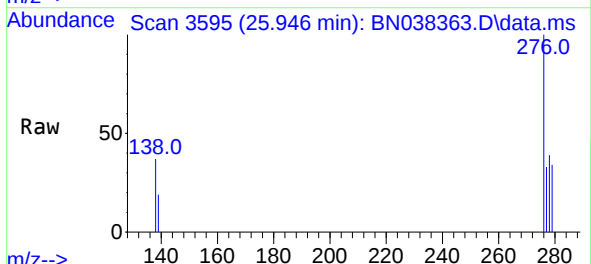
Manual Integrations
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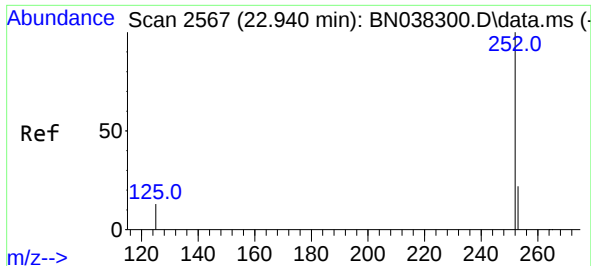
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.057 ng
RT: 25.946 min Scan# 3595
Delta R.T. -0.018 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

Tgt Ion:276 Resp: 3031
Ion Ratio Lower Upper
276 100
138 26.0 23.6 35.4
277 22.8 19.7 29.5





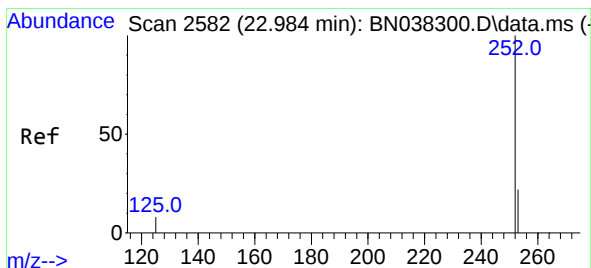
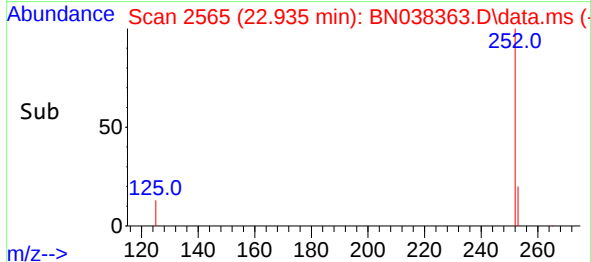
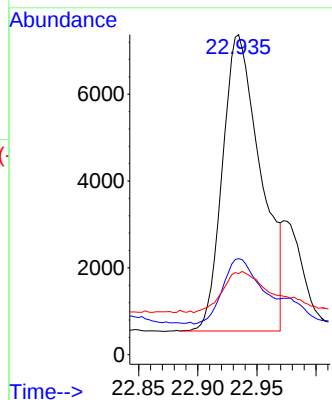
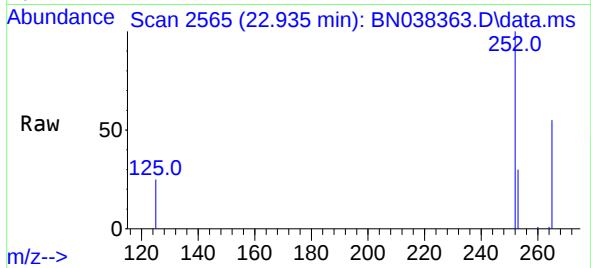
#37
Benzo(b)fluoranthene
Concen: 0.334 ng
RT: 22.935 min Scan# 2565
Delta R.T. -0.012 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

Instrument :
BNA_N
ClientSampleId :
COAM5

Tgt Ion:252 Resp: 1537
Ion Ratio Lower Upper
252 100
253 30.0 21.1 31.7
125 25.4 16.4 24.6

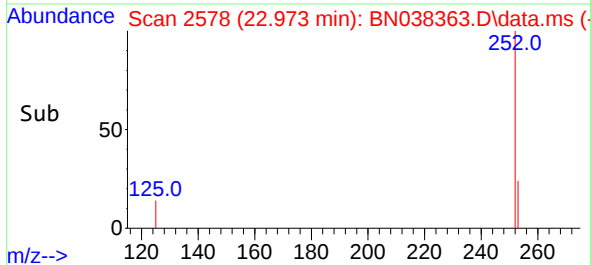
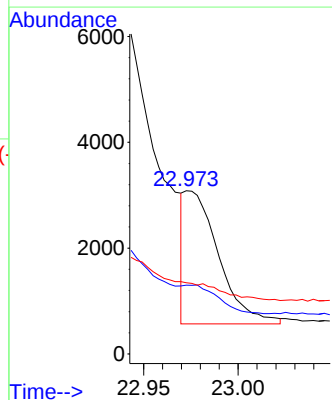
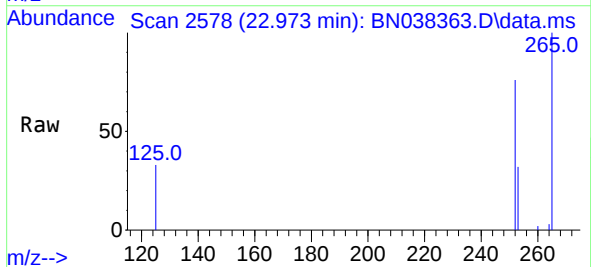
Manual Integrations
APPROVED

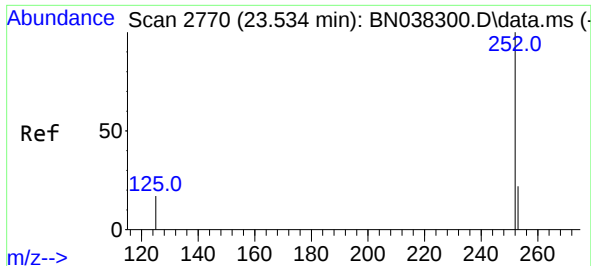
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#38
Benzo(k)fluoranthene
Concen: 0.069 ng m
RT: 22.973 min Scan# 2578
Delta R.T. -0.017 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

Tgt Ion:252 Resp: 3165
Ion Ratio Lower Upper
252 100
253 42.1 21.4 32.0#
125 43.6 16.2 24.2#





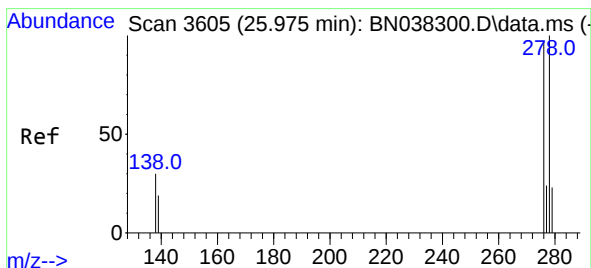
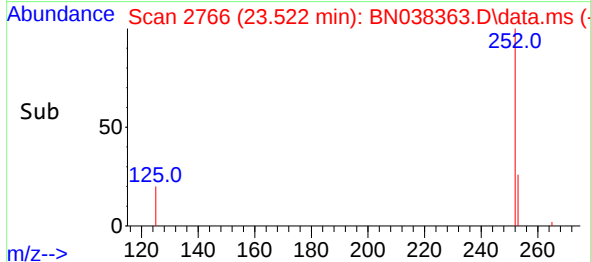
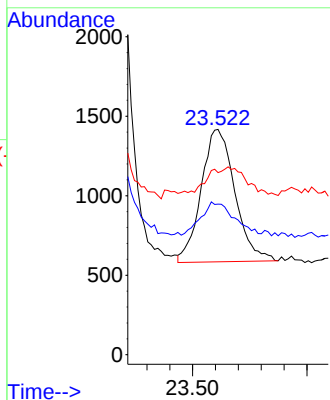
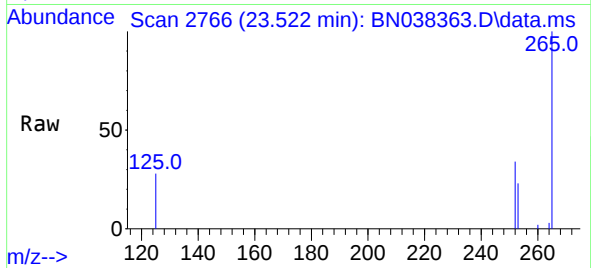
#39
Benzo(a)pyrene
Concen: 0.045 ng
RT: 23.522 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

Instrument :
BNA_N
ClientSampleId :
COAM5

Tgt Ion:252 Resp: 1708
Ion Ratio Lower Upper
252 100
253 66.8 23.3 34.9#
125 80.9 22.4 33.6#

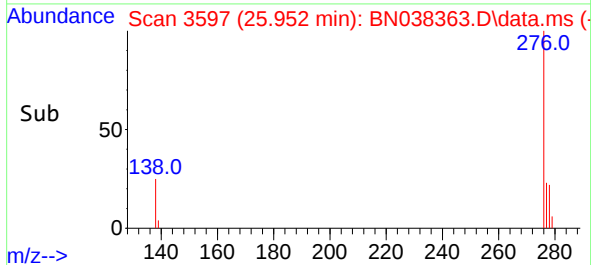
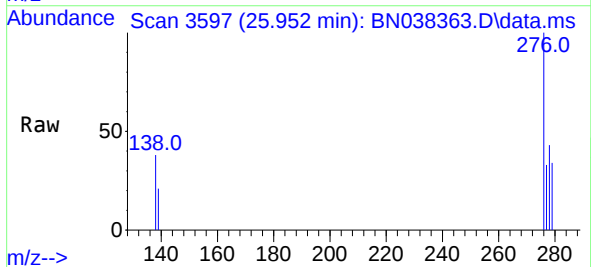
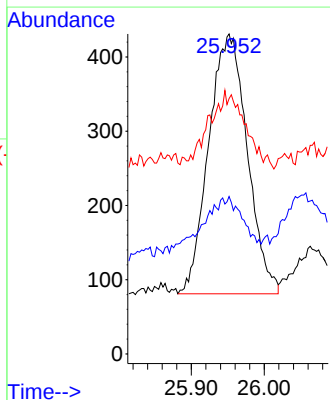
Manual Integrations
APPROVED

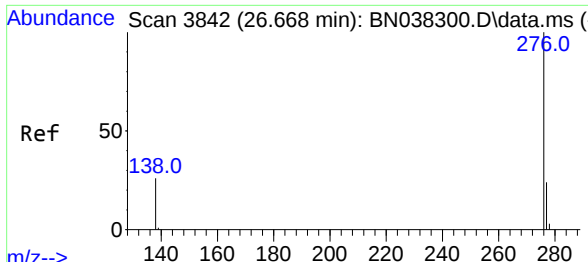
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#40
Dibenzo(a,h)anthracene
Concen: 0.031 ng
RT: 25.952 min Scan# 3597
Delta R.T. -0.029 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

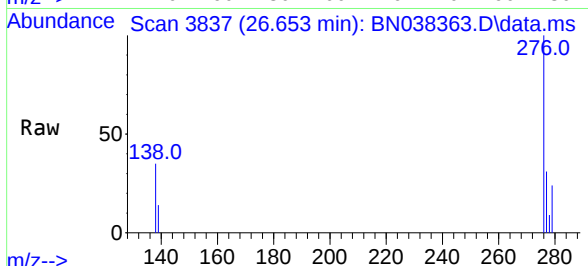
Tgt Ion:278 Resp: 1285
Ion Ratio Lower Upper
278 100
139 49.2 17.8 26.8#
279 79.8 21.3 31.9#





#41
Benzo(g,h,i)perylene
Concen: 0.072 ng
RT: 26.653 min Scan# 3842
Delta R.T. -0.023 min
Lab File: BN038363.D
Acq: 12 Dec 2025 23:24

Instrument :
BNA_N
ClientSampleId :
C0AM5



Tgt Ion: 276 Resp: 3270
Ion Ratio Lower Upper
276 100
277 30.8 20.0 30.0
138 35.0 21.8 32.6

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

