

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082825\
 Data File : BN037650.D
 Acq On : 28 Aug 2025 10:42
 Operator : RC/JU
 Sample : Q2937-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW8-SP100-20250821

Quant Time: Aug 28 11:49:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/03/2025
 Supervised By :Jagrut Upadhyay 09/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2104	0.400	ng	0.00
7) Naphthalene-d8	10.487	136	4814	0.400	ng	-0.01
13) Acenaphthene-d10	14.345	164	2198	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	4468	0.400	ng	0.00
29) Chrysene-d12	21.268	240	3707	0.400	ng	# 0.00
35) Perylene-d12	23.493	264	3325	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	637	0.134	ng	0.00
5) Phenol-d6	6.879	99	414	0.072	ng	0.00
8) Nitrobenzene-d5	8.854	82	1179	0.348	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	1892	0.289	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	423	0.440	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	4845	0.381	ng	0.00
27) Fluoranthene-d10	19.113	212	4436	0.377	ng	0.00
31) Terphenyl-d14	19.712	244	4277	0.561	ng	-0.01
Target Compounds						Qvalue
23) Atrazine	16.553	200	48	0.030	ng	# 52
24) Pentachlorophenol	16.739	266	41	0.029	ng	# 77
28) Fluoranthene	19.141	202	479	0.031	ng	# 84
30) Pyrene	19.503	202	443	0.032	ng	# 98
32) Benzo(a)anthracene	21.250	228	380	0.031	ng	# 77
33) Chrysene	21.304	228	480	0.035	ng	# 82
34) Bis(2-ethylhexyl)phtha...	21.196	149	479	0.094	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.759	276	457m	0.033	ng	
37) Benzo(b)fluoranthene	22.826	252	445	0.035	ng	# 5
38) Benzo(k)fluoranthene	22.870	252	427	0.030	ng	# 12
41) Benzo(g,h,i)perylene	26.440	276	311	0.027	ng	# 38

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

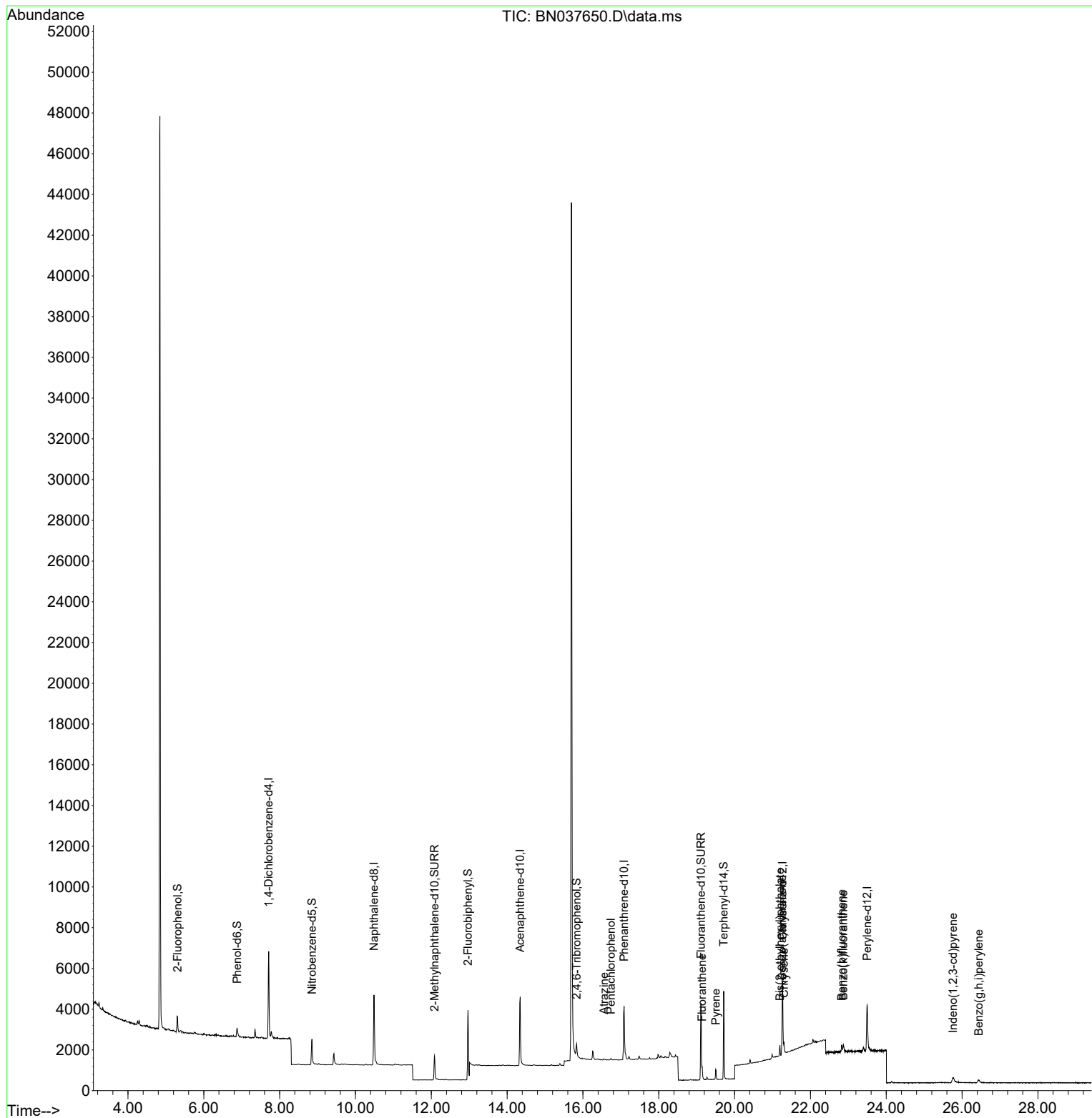
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Data File : BN037650.D
Acq On : 28 Aug 2025 10:42
Operator : RC/JU
Sample : Q2937-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

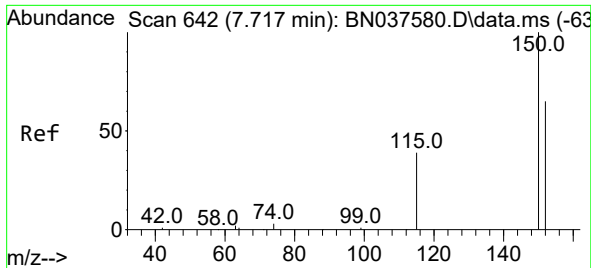
Instrument :
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RW8-SP100-20250821

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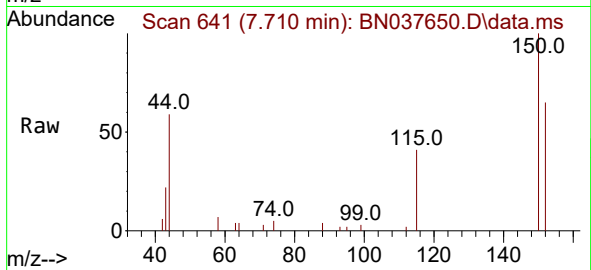
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 642
Delta R.T. -0.007 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

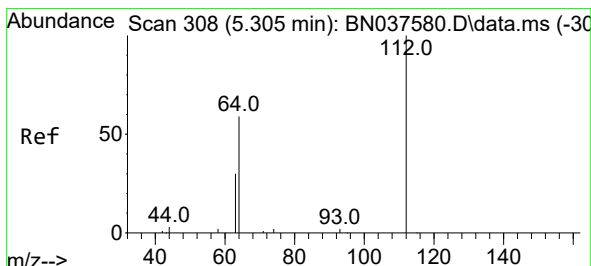
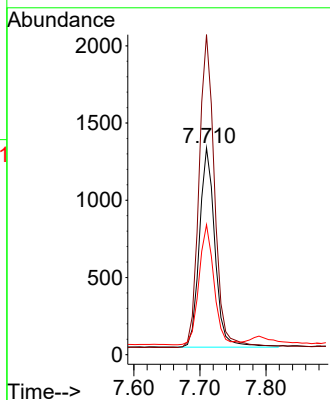
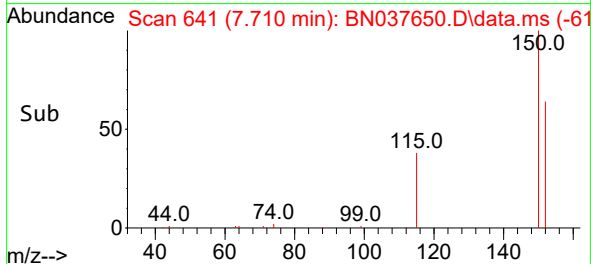
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821



Tgt Ion:152 Resp: 2104
Ion Ratio Lower Upper
152 100
150 154.7 122.2 183.4
115 62.8 49.8 74.6

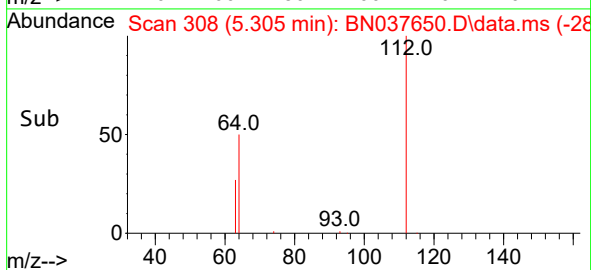
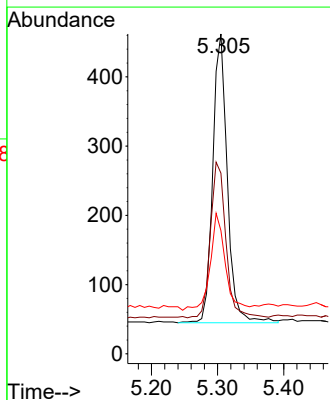
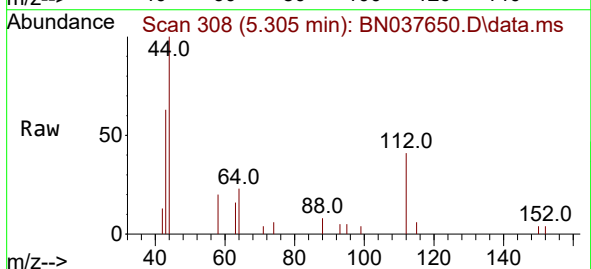
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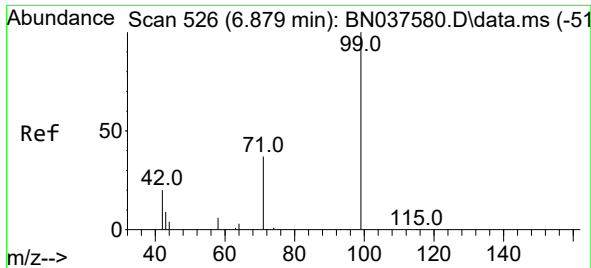
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025



#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

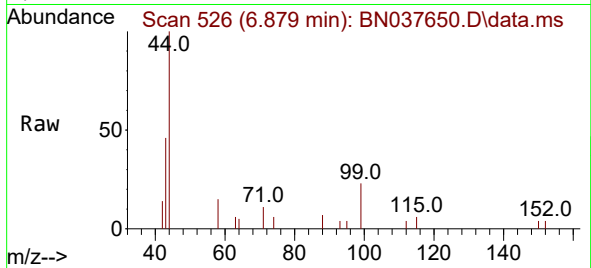
Tgt Ion:112 Resp: 637
Ion Ratio Lower Upper
112 100
64 57.1 44.9 67.3
63 34.5 23.4 35.2





#5
Phenol-d6
Concen: 0.072 ng
RT: 6.879 min Scan# 514
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

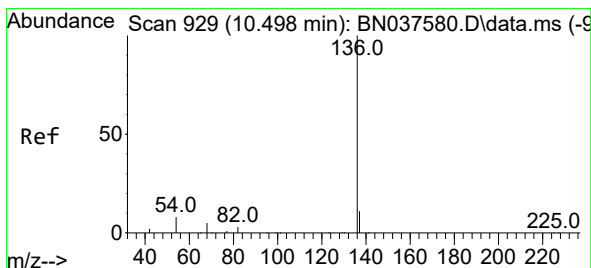
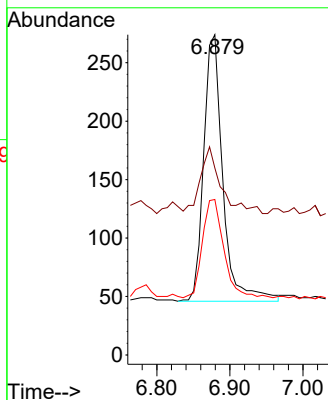
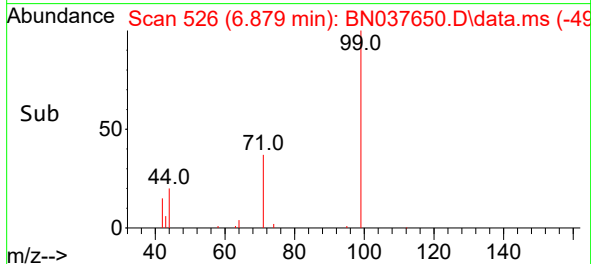
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821



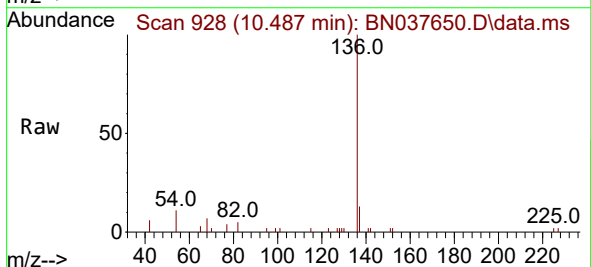
Tgt Ion: 99 Resp: 414
Ion Ratio Lower Upper
99 100
42 29.5 18.5 27.7
71 42.0 28.6 42.8

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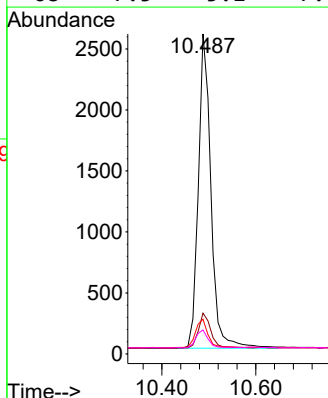
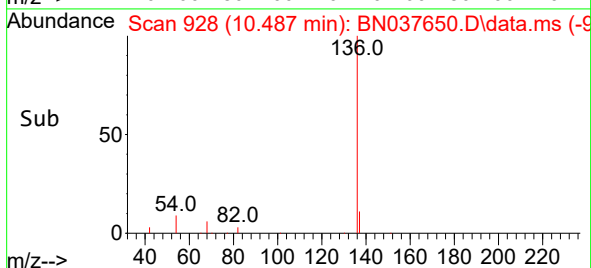
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

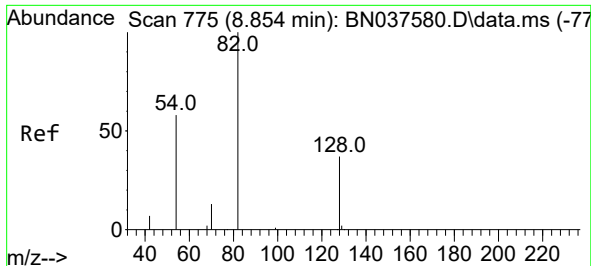


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.487 min Scan# 928
Delta R.T. -0.011 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42



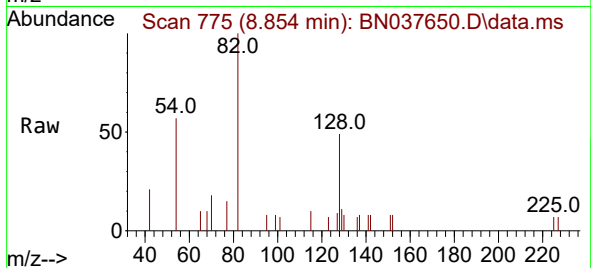
Tgt Ion:136 Resp: 4814
Ion Ratio Lower Upper
136 100
137 12.7 9.5 14.3
54 10.8 7.3 10.9
68 7.5 5.1 7.7





#8
Nitrobenzene-d5
Concen: 0.348 ng
RT: 8.854 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

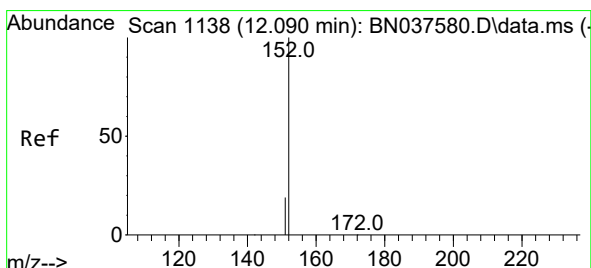
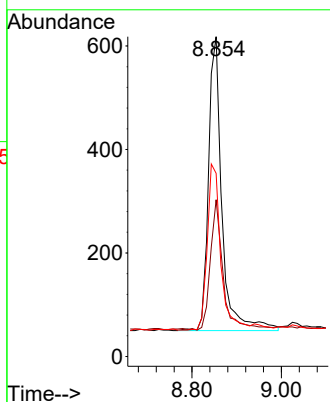
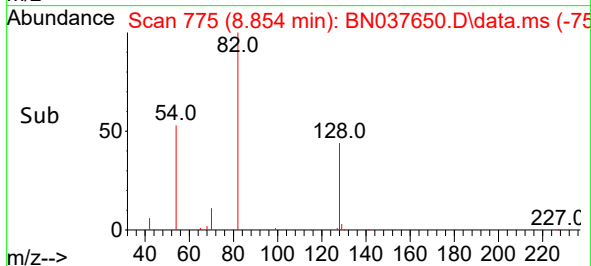
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821



Tgt Ion: 82 Resp: 1179
Ion Ratio Lower Upper
82 100
128 49.0 32.6 48.8
54 57.3 48.9 73.3

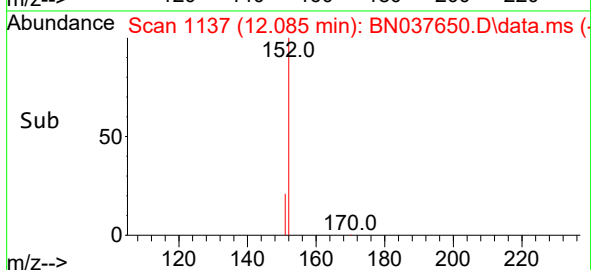
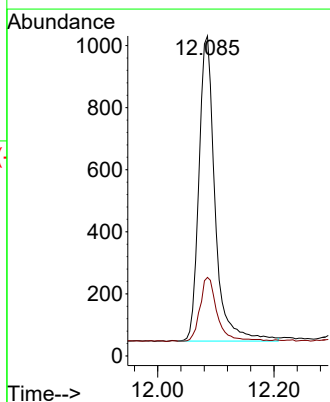
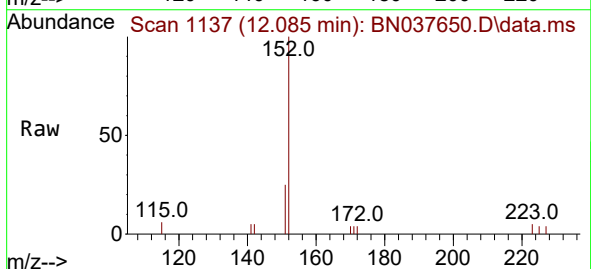
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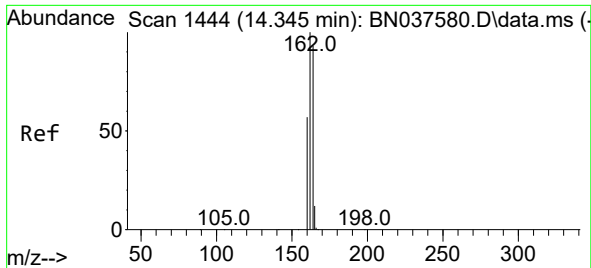
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025



#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

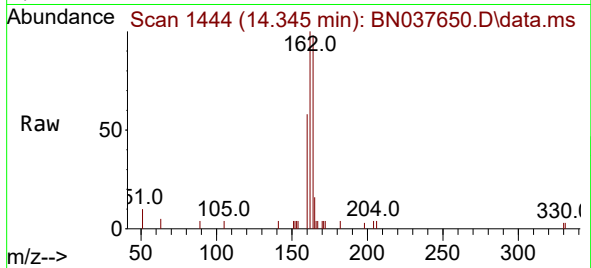
Tgt Ion:152 Resp: 1892
Ion Ratio Lower Upper
152 100
151 22.0 17.3 25.9





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

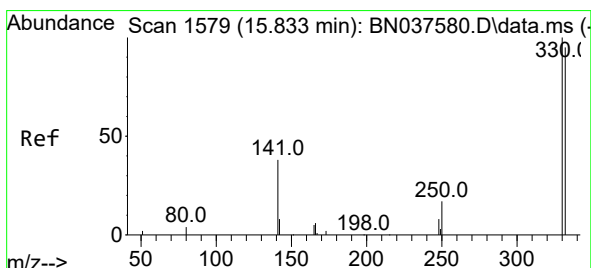
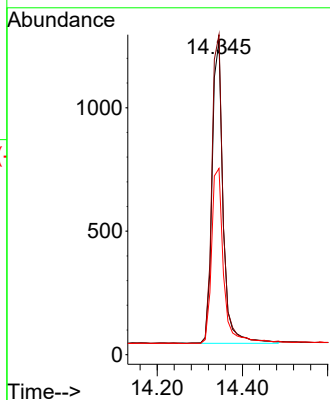
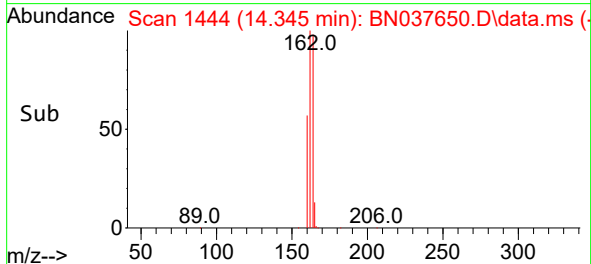
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821



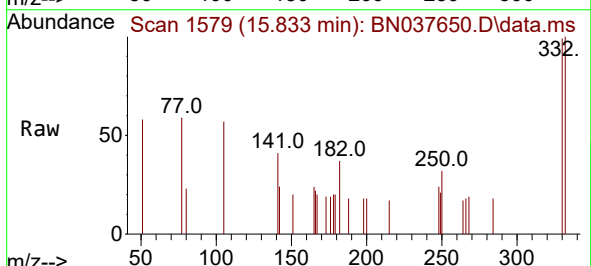
Tgt Ion:164 Resp: 2198
Ion Ratio Lower Upper
164 100
162 102.0 85.5 128.3
160 59.3 49.5 74.3

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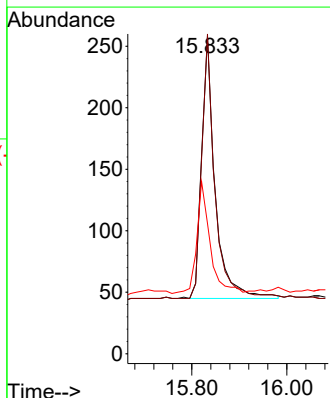
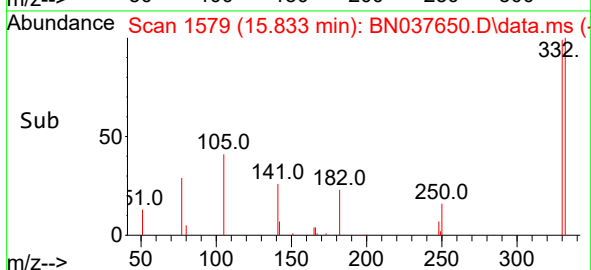
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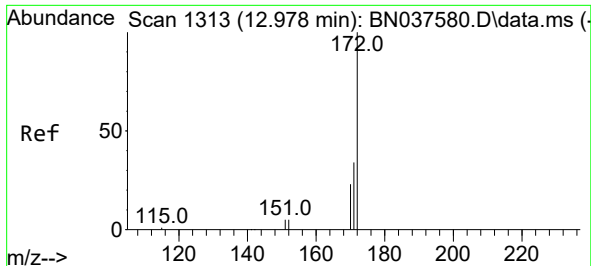


#14
2,4,6-Tribromophenol
Concen: 0.440 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42



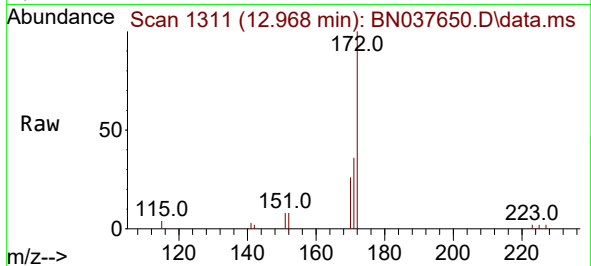
Tgt Ion:330 Resp: 423
Ion Ratio Lower Upper
330 100
332 98.3 77.4 116.0
141 41.8 30.9 46.3





#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 12.968 min Scan# 1311
Delta R.T. -0.010 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

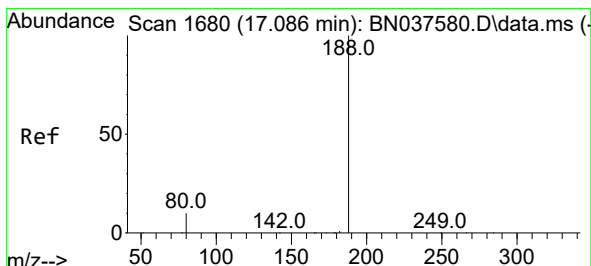
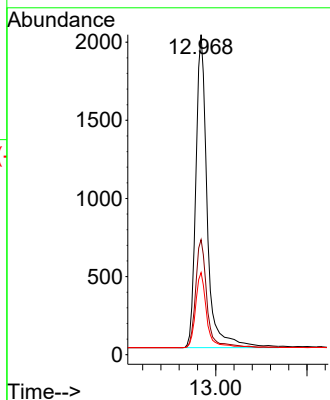
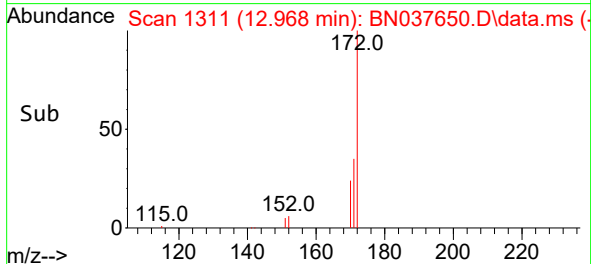
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821



Tgt Ion:172 Resp: 484
Ion Ratio Lower Upper
172 100
171 36.0 28.2 42.4
170 25.7 19.2 28.8

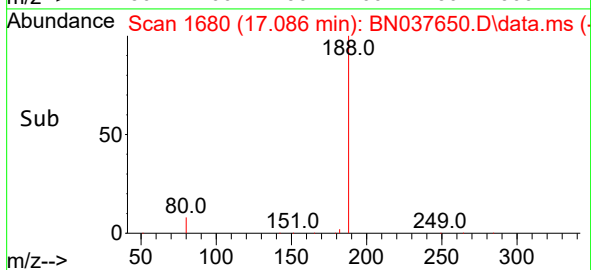
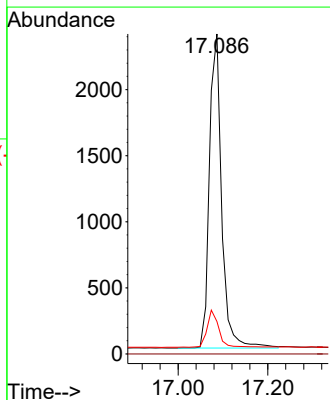
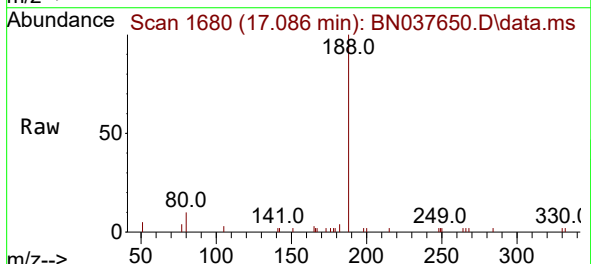
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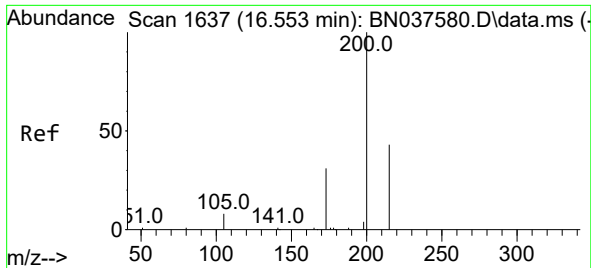
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Tgt Ion:188 Resp: 4468
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.1 9.1 13.7





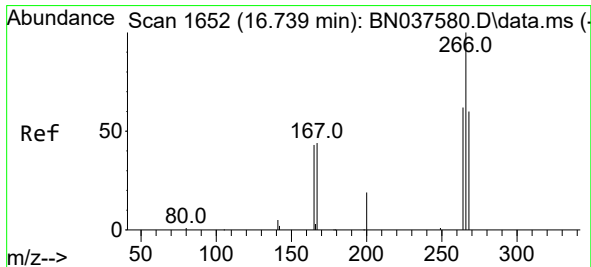
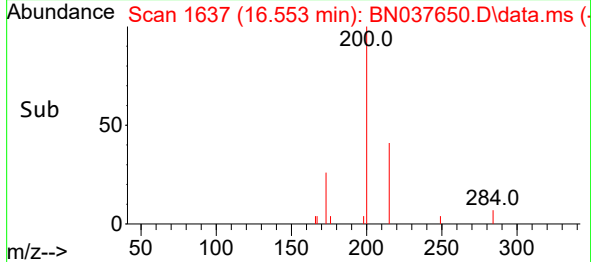
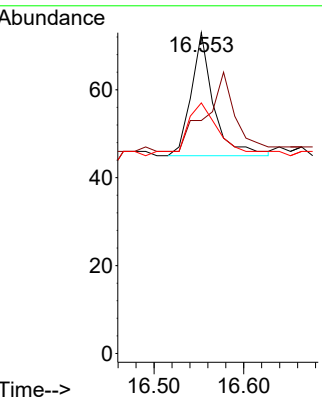
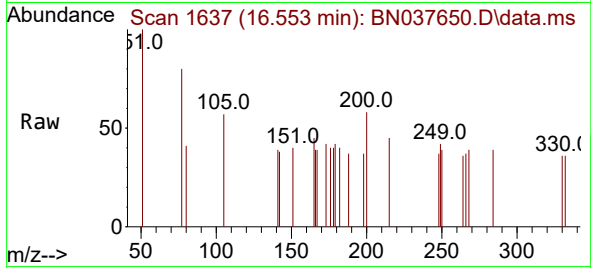
#23
 Atrazine
 Concen: 0.030 ng
 RT: 16.553 min Scan# 1637
 Delta R.T. -0.000 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42

Instrument :
 BNA_N
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 RW8-SP100-20250821

Tgt Ion:	200	Resp:	48
Ion Ratio	Lower	Upper	
200	100		
173	72.6	31.0	46.4
215	78.1	39.4	59.0

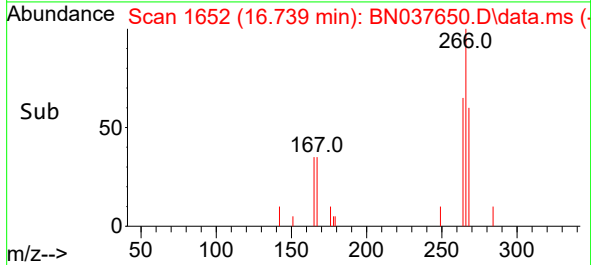
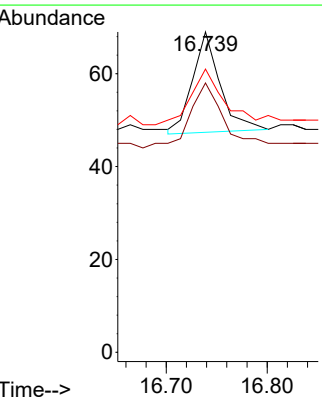
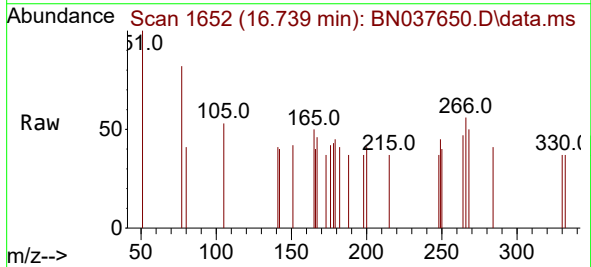
Manual Integrations
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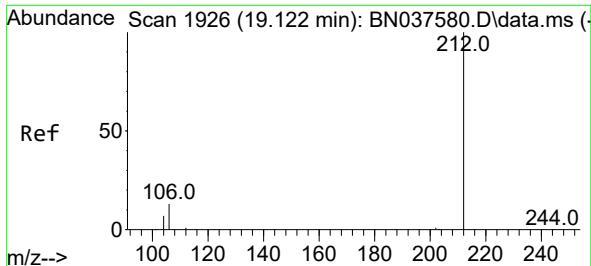
Reviewed By :Rahul Chavli 09/03/2025
 Supervised By :Jagrut Upadhyay 09/03/2025



#24
 Pentachlorophenol
 Concen: 0.029 ng
 RT: 16.739 min Scan# 1652
 Delta R.T. -0.000 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42

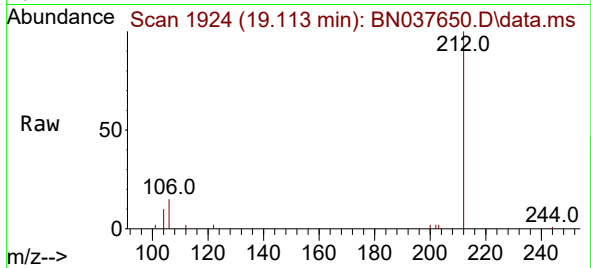
Tgt Ion:	266	Resp:	41
Ion Ratio	Lower	Upper	
266	100		
264	82.9	49.6	74.4
268	75.6	49.2	73.8





#27
Fluoranthene-d10
Concen: 0.377 ng
RT: 19.113 min Scan# 1926
Delta R.T. -0.009 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

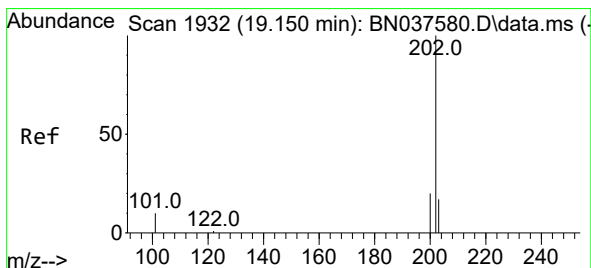
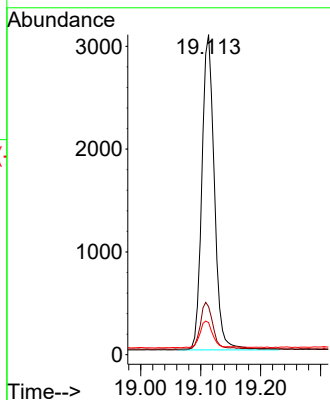
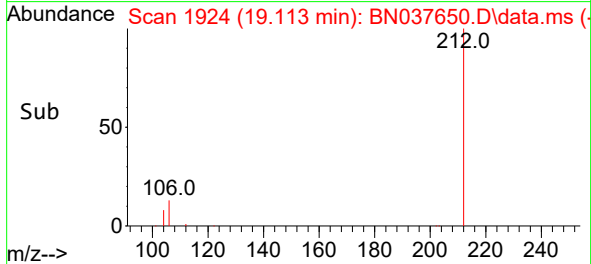
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821



Tgt Ion:212 Resp: 4430
Ion Ratio Lower Upper
212 100
106 15.3 11.5 17.3
104 8.6 6.6 9.8

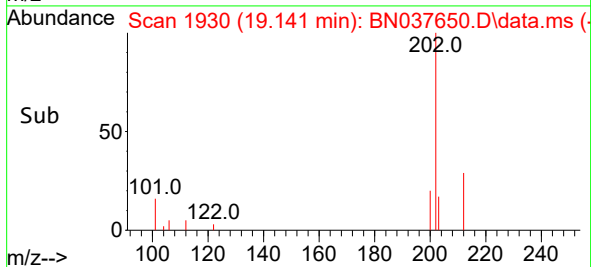
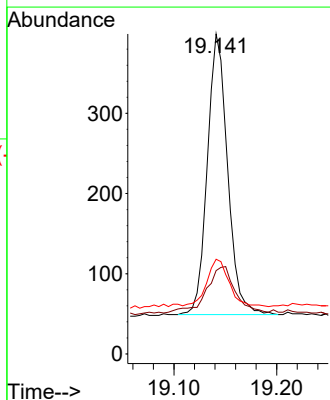
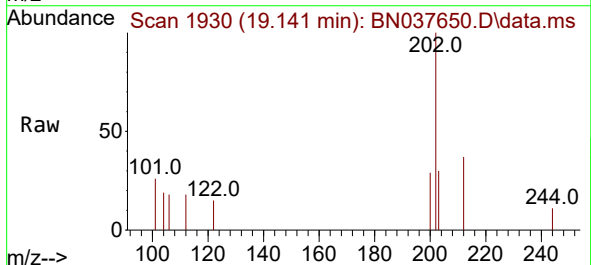
Manual Integrations
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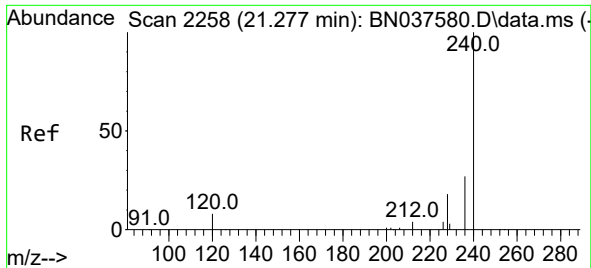
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025



#28
Fluoranthene
Concen: 0.031 ng
RT: 19.141 min Scan# 1930
Delta R.T. -0.009 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Tgt Ion:202 Resp: 479
Ion Ratio Lower Upper
202 100
101 24.0 9.0 13.6#
203 19.2 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037650.D

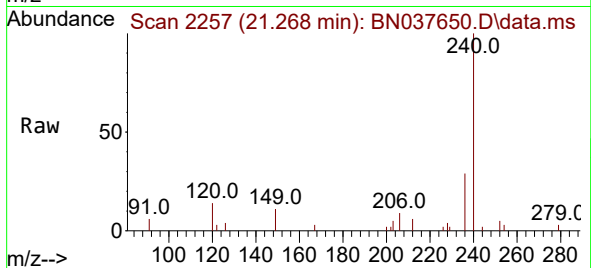
Acq: 28 Aug 2025 10:42

Instrument :

BNA_N

ClientSampleId :

RW8-SP100-20250821



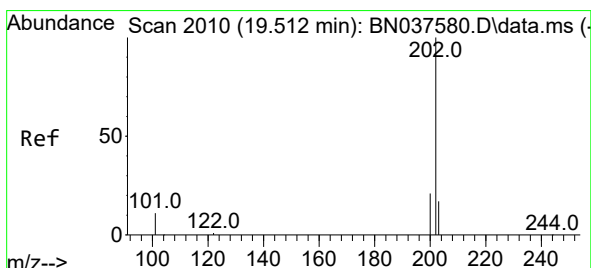
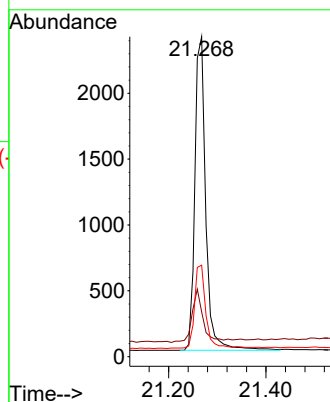
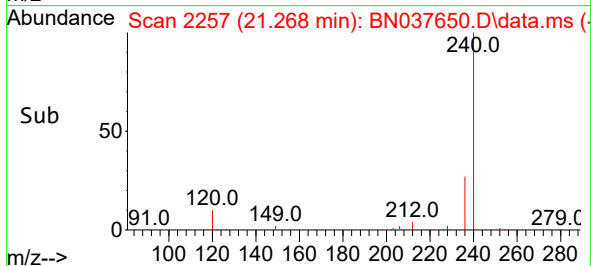
Tgt Ion:	240	Resp:	370
Ion Ratio	Lower	Upper	
240	100		
120	14.0	8.9	13.3
236	28.6	22.6	33.8

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Reviewed By :Rahul Chavli 09/03/2025

Supervised By :Jagrut Upadhyay 09/03/2025



#30

Pyrene

Concen: 0.032 ng

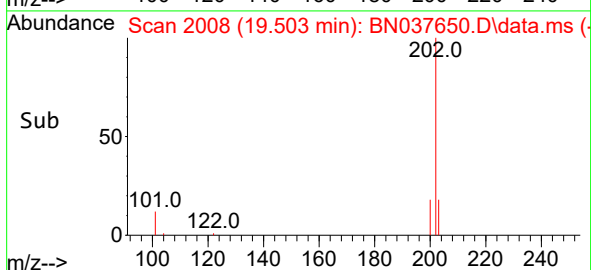
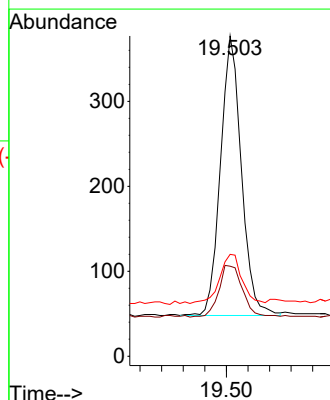
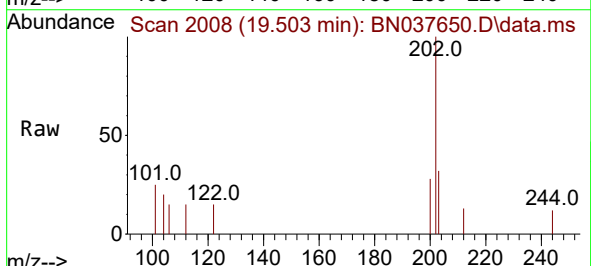
RT: 19.503 min Scan# 2008

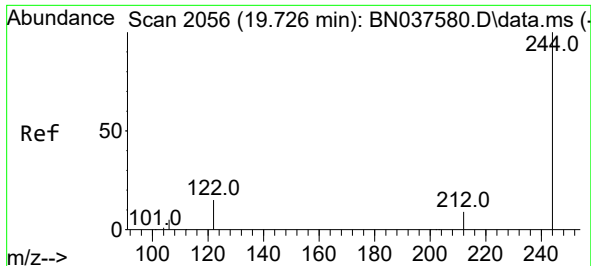
Delta R.T. -0.009 min

Lab File: BN037650.D

Acq: 28 Aug 2025 10:42

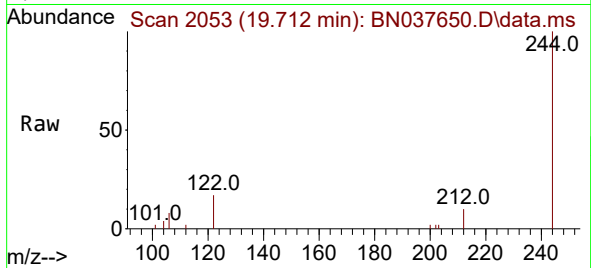
Tgt Ion:	202	Resp:	443
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.6	25.0
203	18.7	14.3	21.5





#31
Terphenyl-d14
Concen: 0.561 ng
RT: 19.712 min Scan# 2056
Delta R.T. -0.014 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

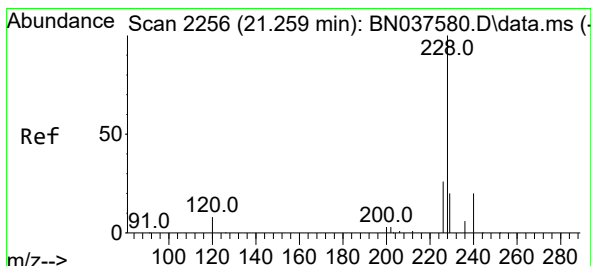
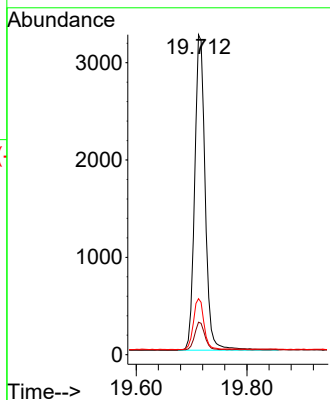
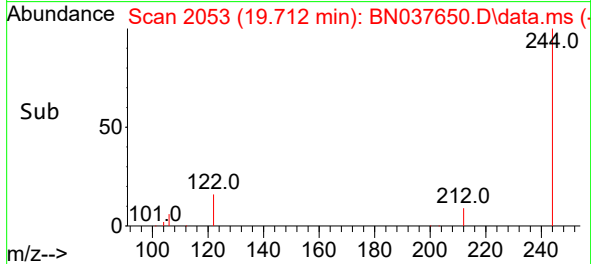
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821



Tgt Ion:244 Resp: 427
Ion Ratio Lower Upper
244 100
212 10.1 8.2 12.2
122 17.5 13.2 19.8

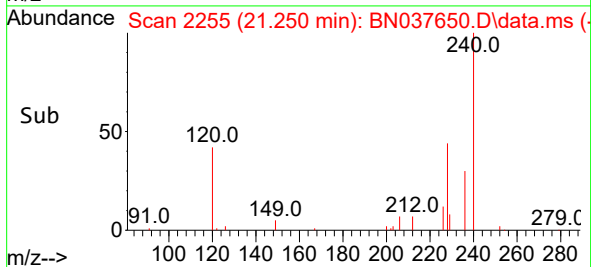
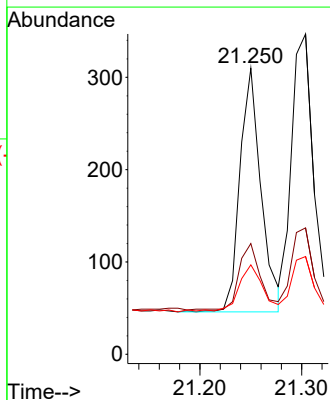
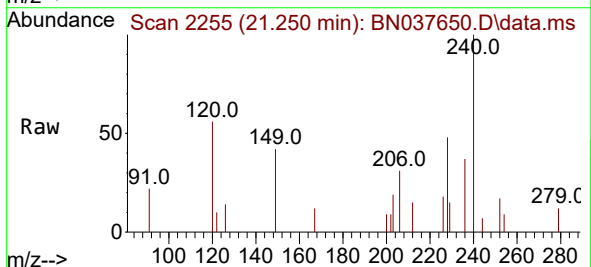
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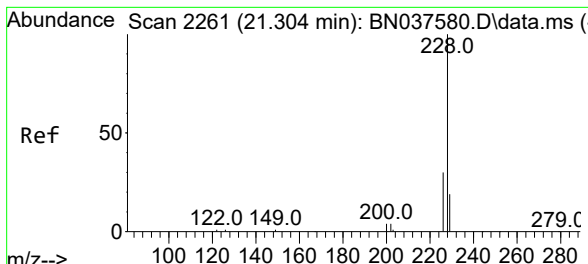
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025



#32
Benzo(a)anthracene
Concen: 0.031 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

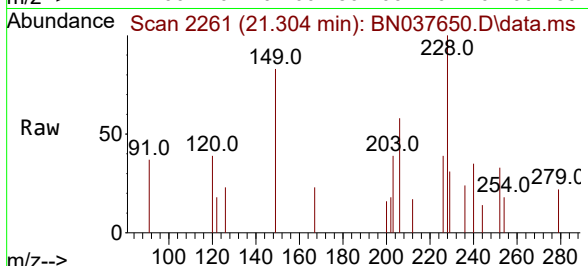
Tgt Ion:228 Resp: 380
Ion Ratio Lower Upper
228 100
226 38.7 21.5 32.3#
229 31.3 16.5 24.7#





#33
 Chrysene
 Concen: 0.035 ng
 RT: 21.304 min Scan# 2128
 Delta R.T. 0.000 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42

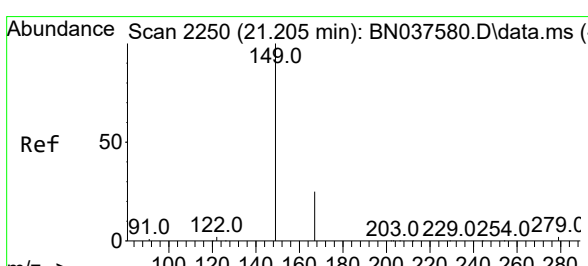
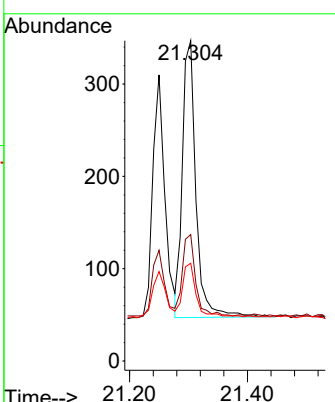
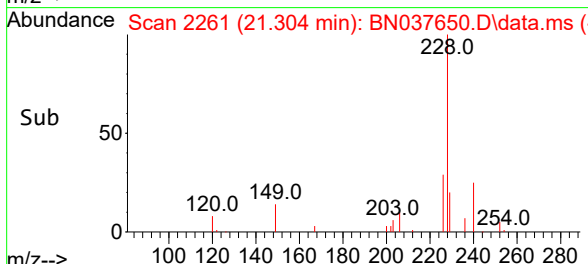
Instrument : BNA_N
 ClientSampleId : RW8-SP100-20250821



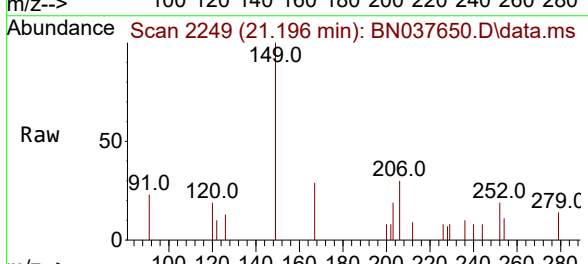
Tgt Ion: 228 Resp: 480

Ion	Ratio	Lower	Upper
228	100		
226	39.5	24.9	37.3
229	30.5	15.8	23.8

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 Supervised By :Jagrut Upadhyay 09/03/2025

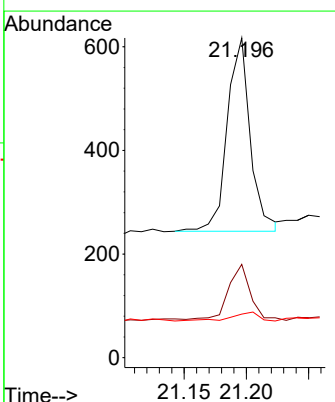
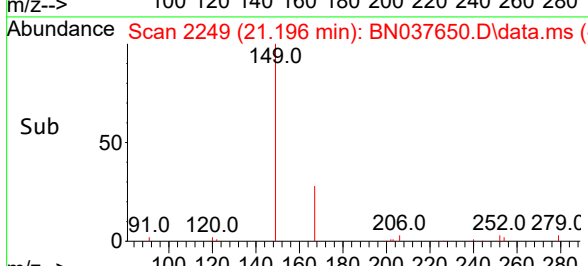


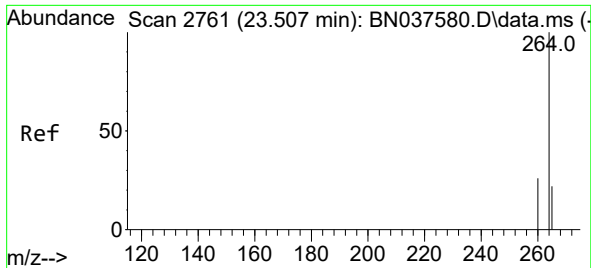
#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.094 ng
 RT: 21.196 min Scan# 2249
 Delta R.T. -0.009 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42



Tgt Ion: 149 Resp: 479

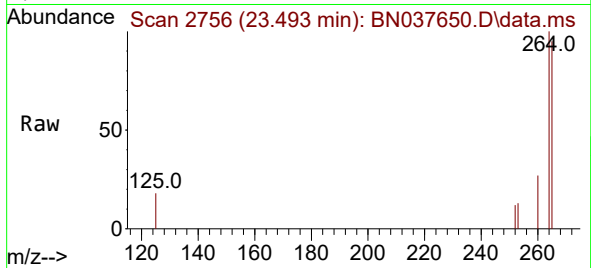
Ion	Ratio	Lower	Upper
149	100		
167	27.8	20.5	30.7
279	5.2	2.6	4.0





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.493 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42

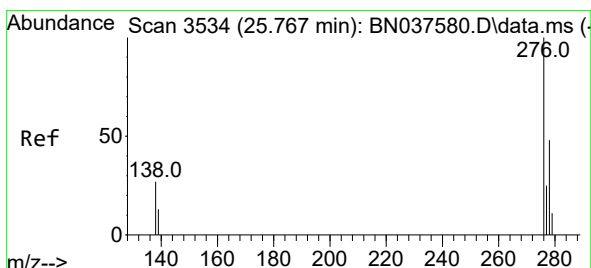
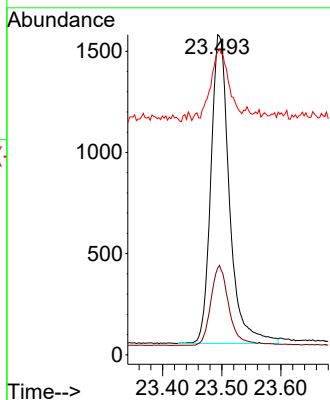
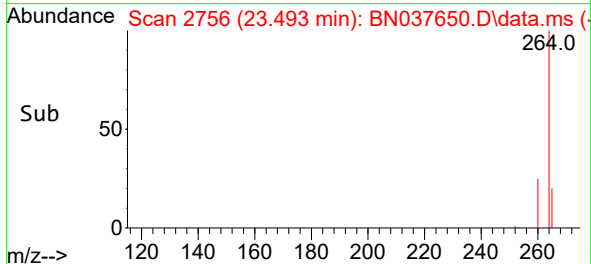
Instrument :
 BNA_N
 ClientSampleId :
 RW8-SP100-20250821



Tgt Ion:264 Resp: 332
 Ion Ratio Lower Upper
 264 100
 260 27.1 21.6 32.4
 265 94.7 48.2 72.4

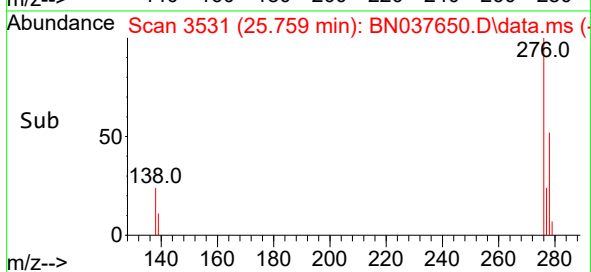
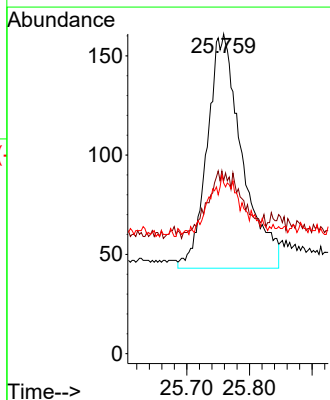
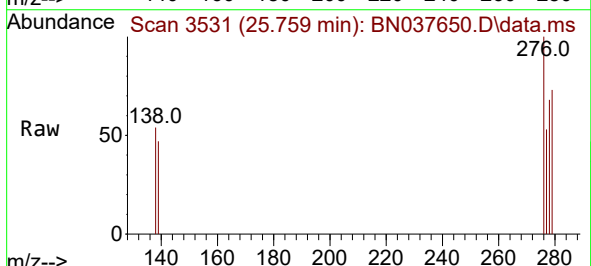
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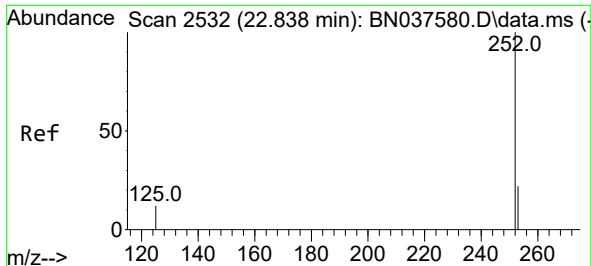
Reviewed By :Rahul Chavli 09/03/2025
 Supervised By :Jagrut Upadhyay 09/03/2025



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.033 ng m
 RT: 25.759 min Scan# 3531
 Delta R.T. -0.009 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42

Tgt Ion:276 Resp: 457
 Ion Ratio Lower Upper
 276 100
 138 11.6 23.3 34.9#
 277 11.6 19.5 29.3#





#37

Benzo(b)fluoranthene

Concen: 0.035 ng

RT: 22.826 min Scan# 2532

Delta R.T. -0.012 min

Lab File: BN037650.D

Acq: 28 Aug 2025 10:42

Instrument :

BNA_N

ClientSampleId :

RW8-SP100-20250821

Tgt Ion:252 Resp: 445

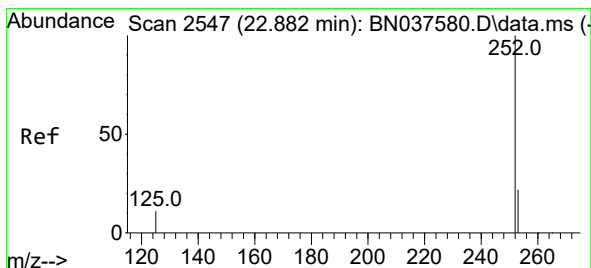
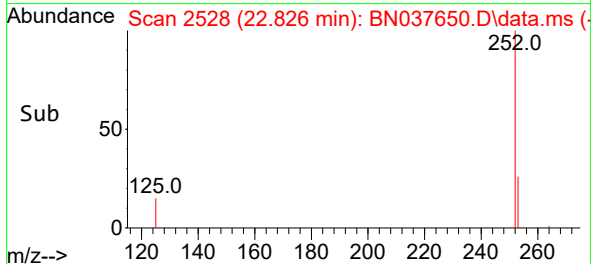
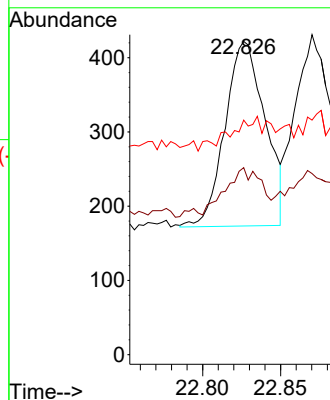
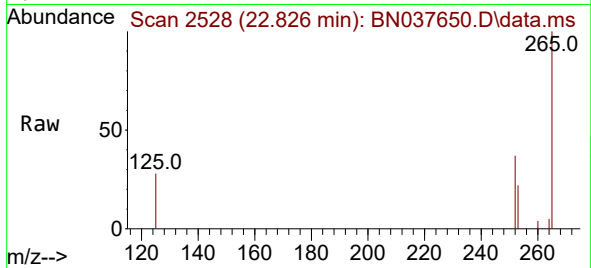
Ion	Ratio	Lower	Upper
252	100		
253	59.7	20.0	30.0
125	74.9	13.8	20.6

Manual Integrations

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Reviewed By :Rahul Chavli 09/03/2025

Supervised By :Jagrut Upadhyay 09/03/2025



#38

Benzo(k)fluoranthene

Concen: 0.030 ng

RT: 22.870 min Scan# 2543

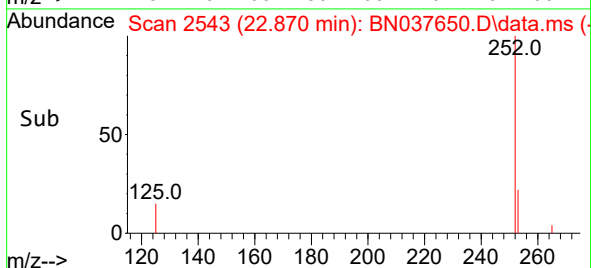
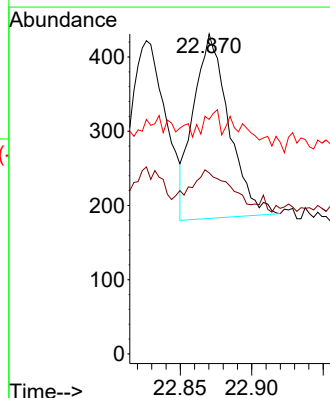
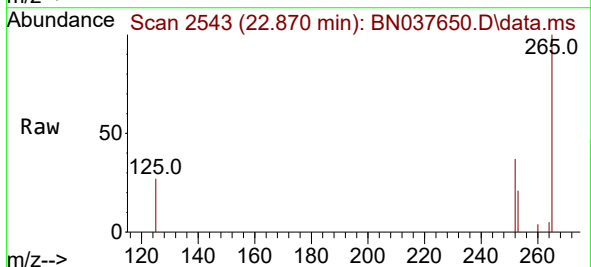
Delta R.T. -0.012 min

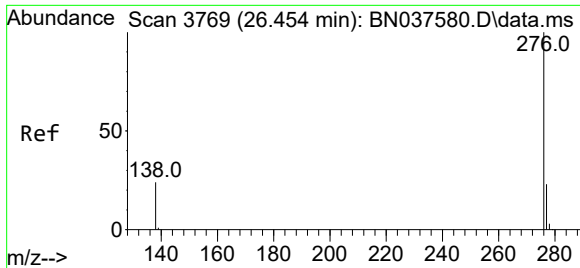
Lab File: BN037650.D

Acq: 28 Aug 2025 10:42

Tgt Ion:252 Resp: 427

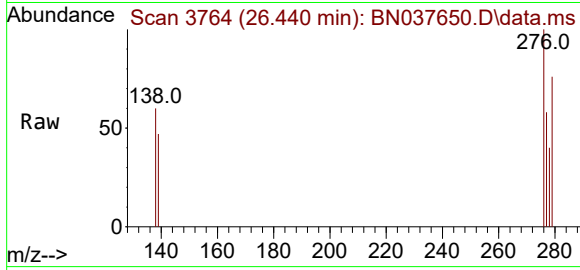
Ion	Ratio	Lower	Upper
252	100		
253	56.6	19.9	29.9
125	73.3	15.0	22.6





#41
Benzo(g,h,i)perylene
Concen: 0.027 ng
RT: 26.440 min Scan# 31
Delta R.T. -0.014 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821



Tgt Ion: 276 Resp: 31

Ion	Ratio	Lower	Upper
276	100		
277	57.6	21.0	31.4
138	59.7	21.7	32.5

Manual Integrations
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Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

