

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038364.D
 Acq On : 13 Dec 2025 00:00
 Operator : RC/JU
 Sample : Q3839-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AM6

Manual Integrations
 APPROVED

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

Supervised By :Jagrut
 Upadhyay
 12/15/2025

Quant Time: Dec 13 02:11:45 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	5646	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	15014	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7287	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	12968	0.400	ng	0.00
29) Chrysene-d12	21.340	240	10273	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	10823	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	4115	0.293	ng	0.00
5) Phenol-d6	6.887	99	4764	0.285	ng	0.00
8) Nitrobenzene-d5	8.875	82	3695	0.292	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	5159	0.244	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	785	0.243	ng	-0.01
15) 2-Fluorobiphenyl	13.008	172	9947	0.283	ng	0.00
27) Fluoranthene-d10	19.183	212	6567	0.205	ng	0.00
31) Terphenyl-d14	19.782	244	4177	0.182	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.573	128	1172	0.026	ng	# 81
12) 2-Methylnaphthalene	12.197	142	700	0.025	ng	# 87
25) Phenanthrene	17.186	178	2539	0.056	ng	97
26) Anthracene	17.273	178	837	0.022	ng	98
28) Fluoranthene	19.211	202	9710	0.202	ng	98
30) Pyrene	19.573	202	9279	0.183	ng	# 96
32) Benzo(a)anthracene	21.322	228	7219	0.182	ng	98
33) Chrysene	21.375	228	7214m	0.165	ng	
34) Bis(2-ethylhexyl)phtha...	21.259	149	3032	0.139	ng	98
36) Indeno(1,2,3-cd)pyrene	25.946	276	4186	0.073	ng	94
37) Benzo(b)fluoranthene	22.934	252	9964	0.200	ng	# 76
38) Benzo(k)fluoranthene	22.978	252	4210m	0.085	ng	
39) Benzo(a)pyrene	23.522	252	6391	0.157	ng	# 79
40) Dibenzo(a,h)anthracene	25.955	278	1255	0.028	ng	# 25
41) Benzo(g,h,i)perylene	26.653	276	4063	0.082	ng	# 88

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

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Sample : Q3839-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

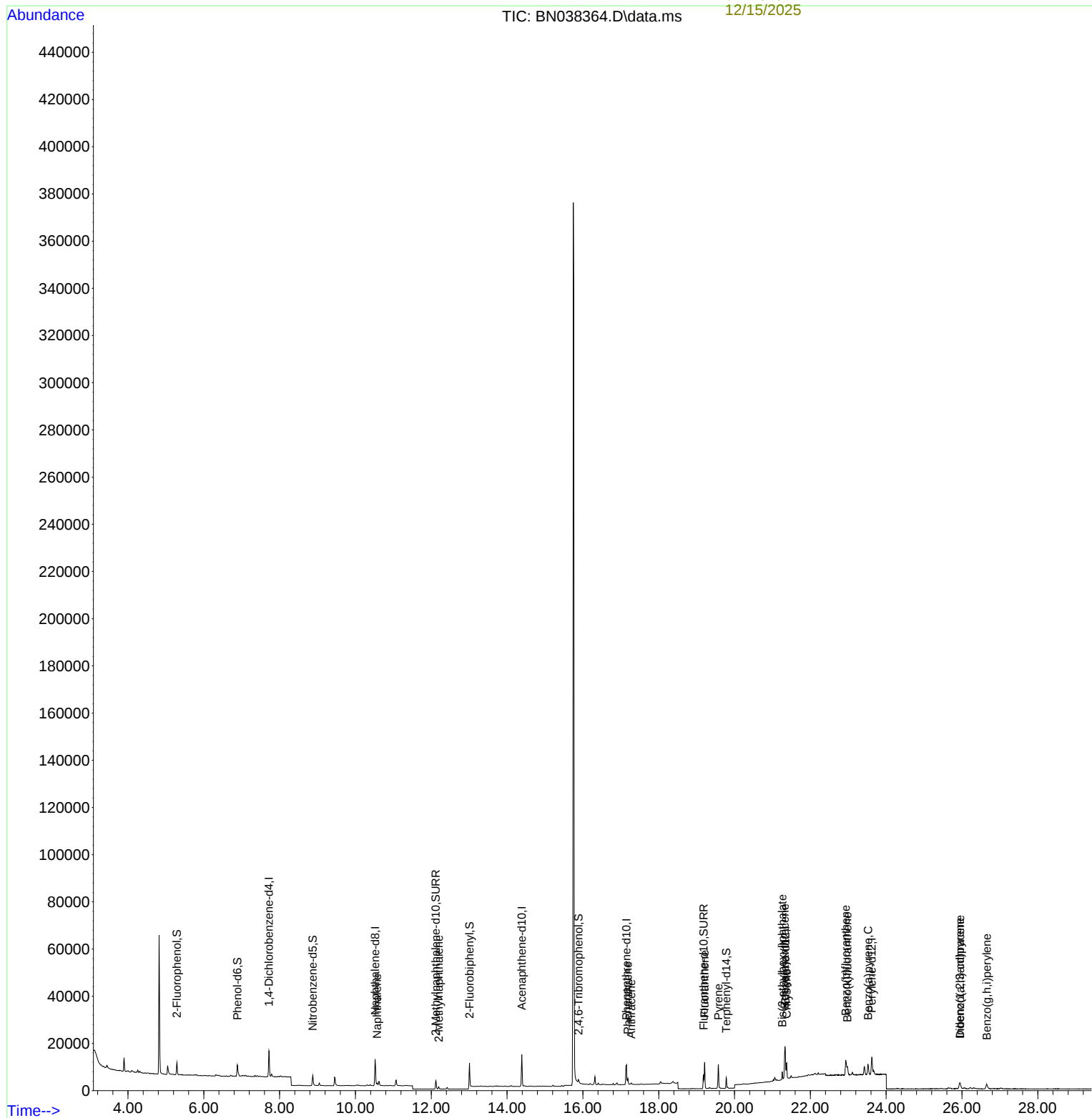
Instrument :
BNA_N
ClientSampleId :
C0AM6

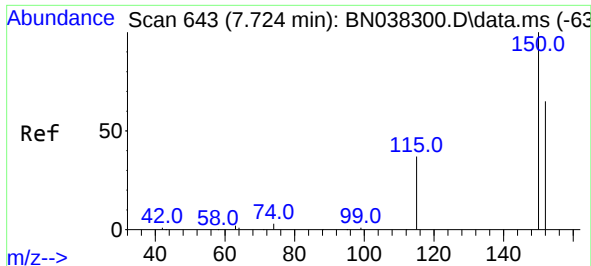
Manual Integrations
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Upadhyay
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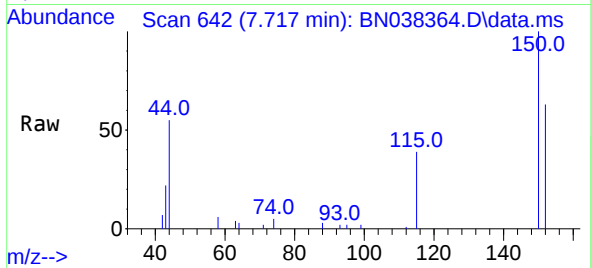
Quant Time: Dec 13 02:11:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 643
Delta R.T. -0.007 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

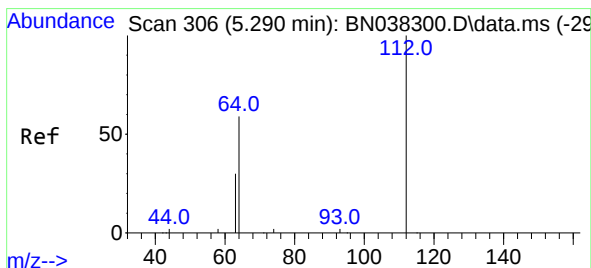
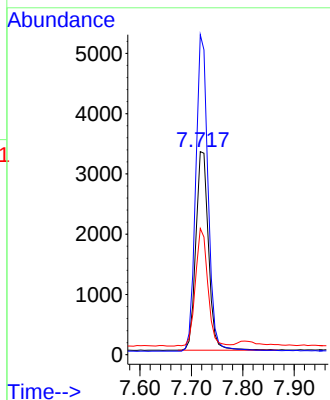


Tgt Ion:152 Resp: 5640
Ion Ratio Lower Upper
152 100
150 157.5 122.4 183.6
115 62.1 47.3 70.9

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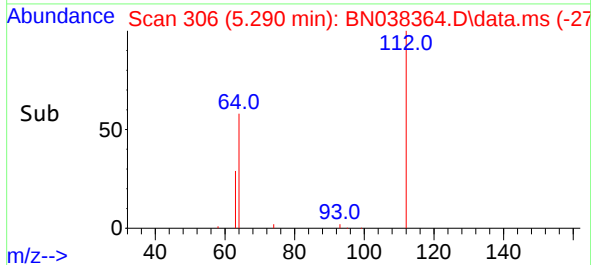
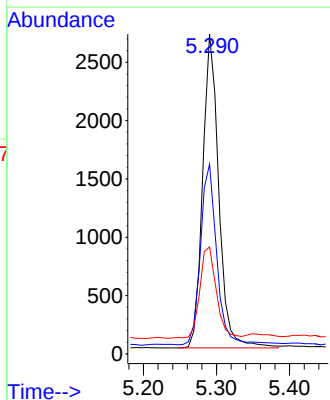
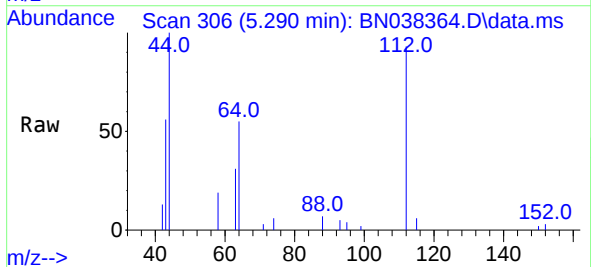
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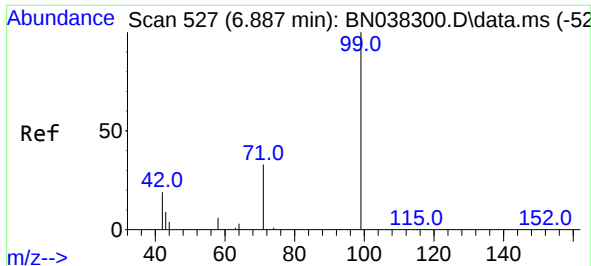
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#4
2-Fluorophenol
Concen: 0.293 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

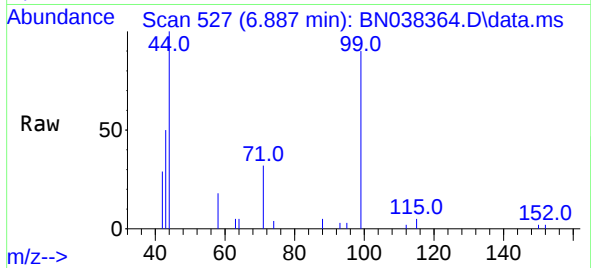
Tgt Ion:112 Resp: 4115
Ion Ratio Lower Upper
112 100
64 58.4 44.4 66.6
63 29.9 23.4 35.0





#5
Phenol-d6
Concen: 0.285 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

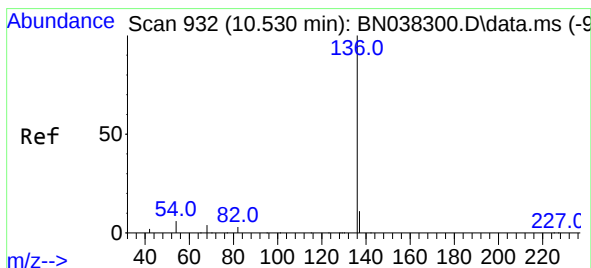
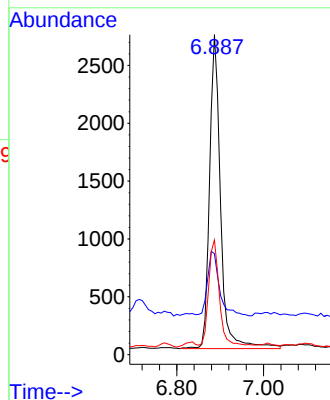


Tgt Ion: 99 Resp: 4764
Ion Ratio Lower Upper
99 100
42 22.3 16.5 24.7
71 32.4 24.9 37.3

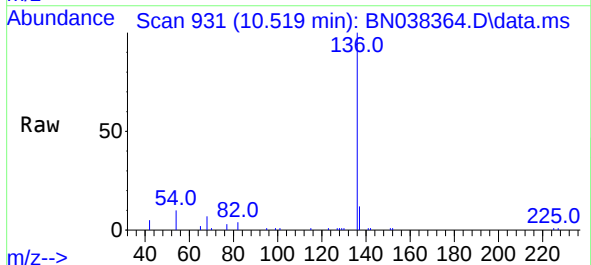
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Supervised By :Jagrut Upadhyay 12/15/2025

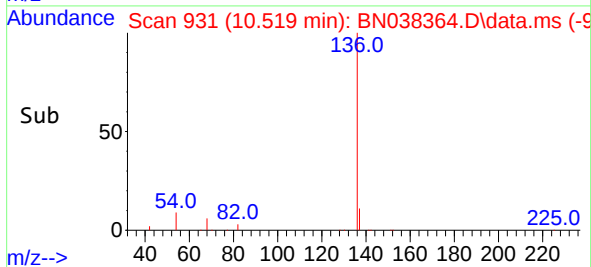
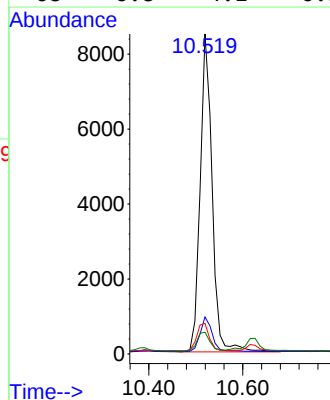
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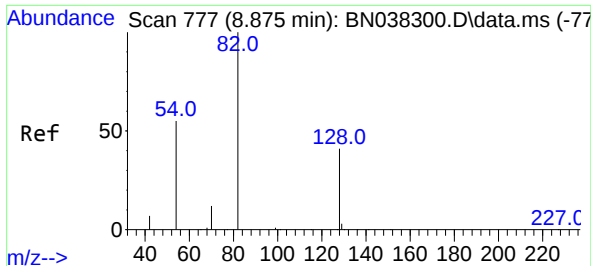


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00



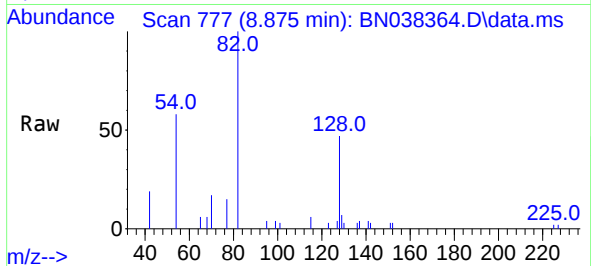
Tgt Ion:136 Resp: 15014
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 9.6 5.2 7.8#
68 6.8 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.292 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

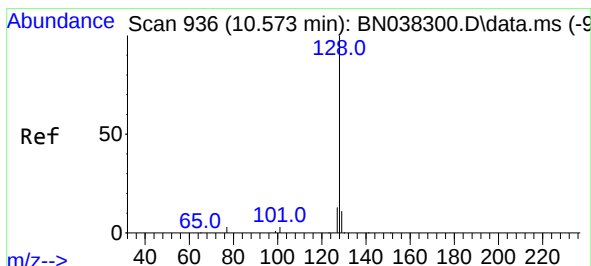
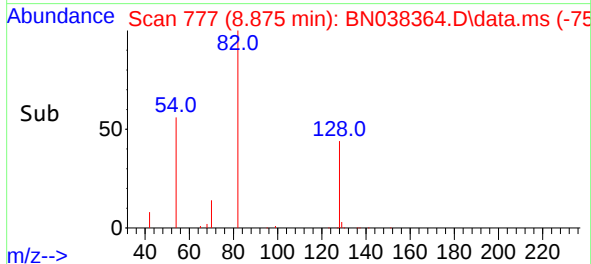
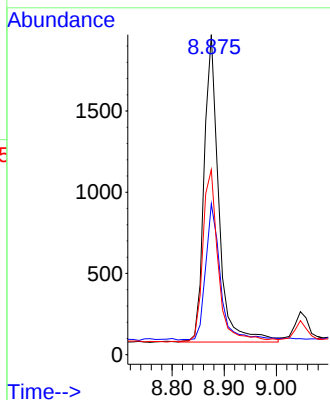


Tgt Ion: 82 Resp: 369
Ion Ratio Lower Upper
82 100
128 47.2 34.0 51.0
54 57.8 44.4 66.6

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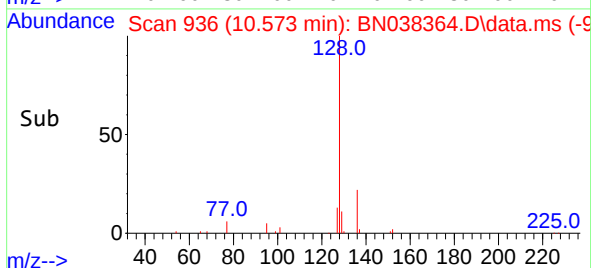
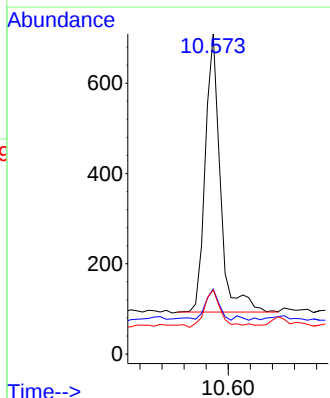
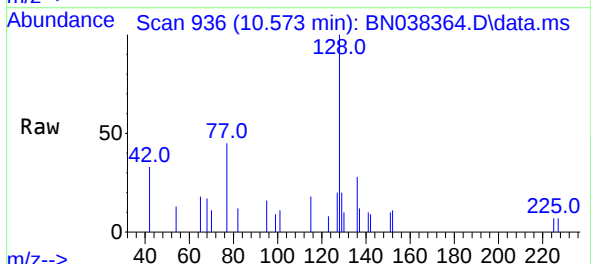
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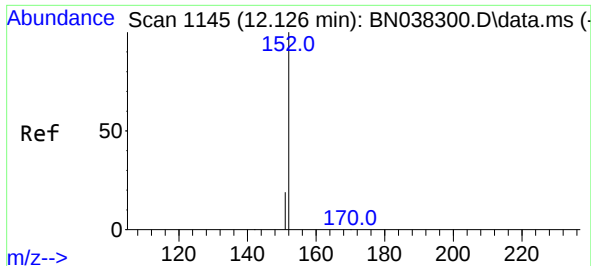
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#9
Naphthalene
Concen: 0.026 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

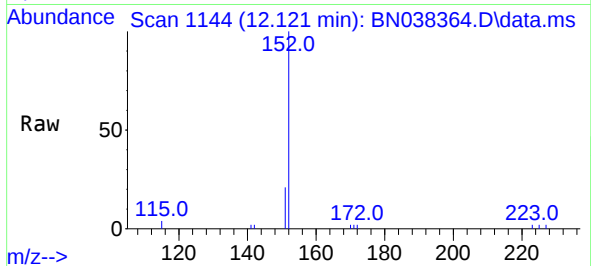
Tgt Ion:128 Resp: 1172
Ion Ratio Lower Upper
128 100
129 20.3 9.1 13.7#
127 20.0 10.9 16.3#





#11
2-Methylnaphthalene-d10
Concen: 0.244 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

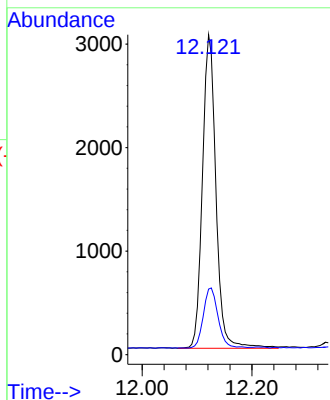
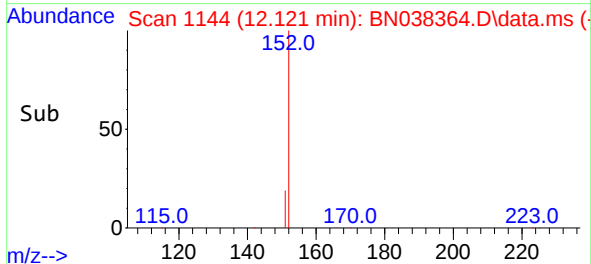
Instrument :
BNA_N
ClientSampleId :
COAM6



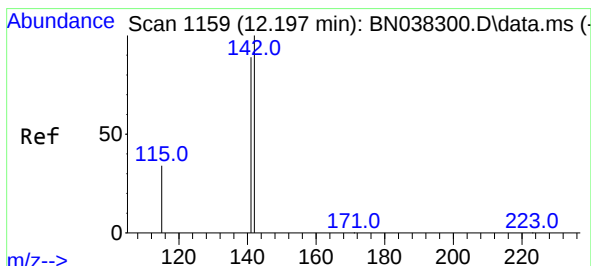
Tgt Ion:152 Resp: 515
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6

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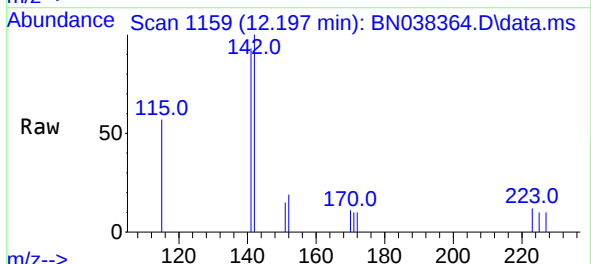
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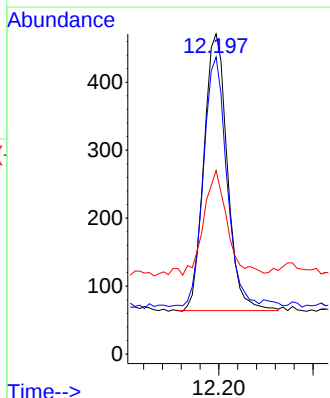
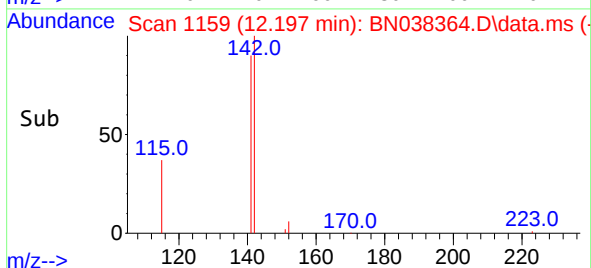
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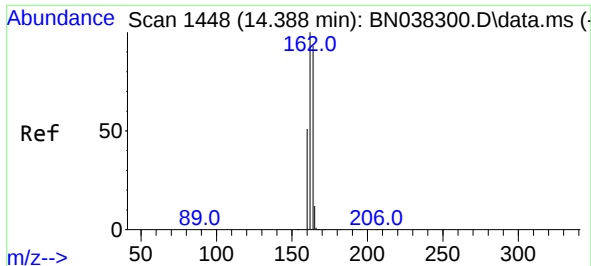


#12
2-Methylnaphthalene
Concen: 0.025 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00



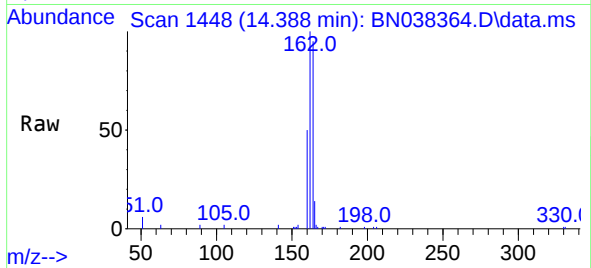
Tgt Ion:142 Resp: 700
Ion Ratio Lower Upper
142 100
141 92.8 71.4 107.2
115 57.3 28.4 42.6#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

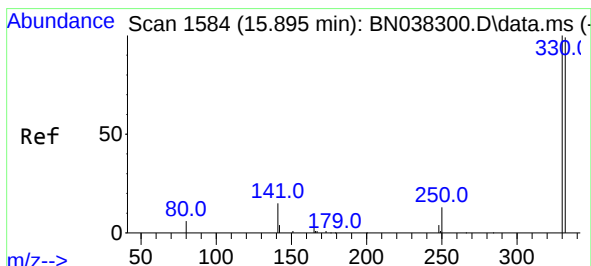
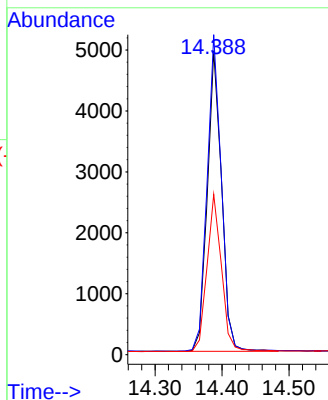
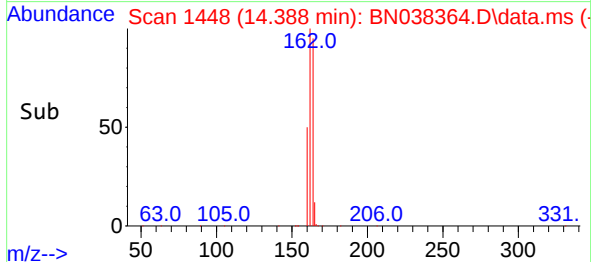


Tgt Ion:164 Resp: 728
Ion Ratio Lower Upper
164 100
162 105.3 86.2 129.4
160 52.8 44.6 67.0

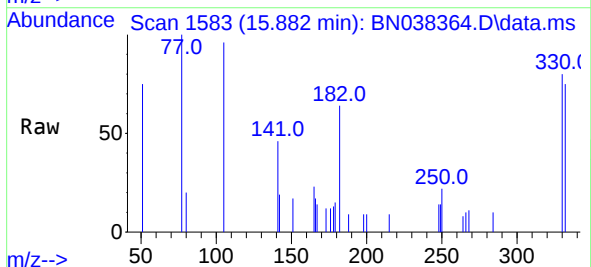
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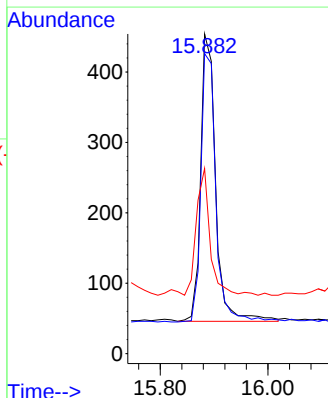
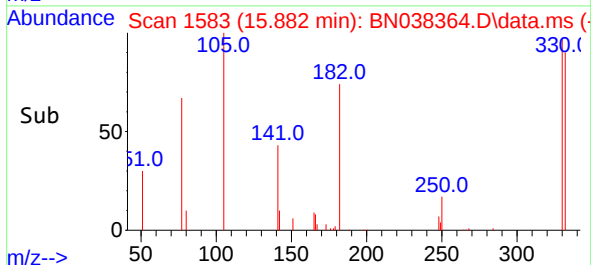
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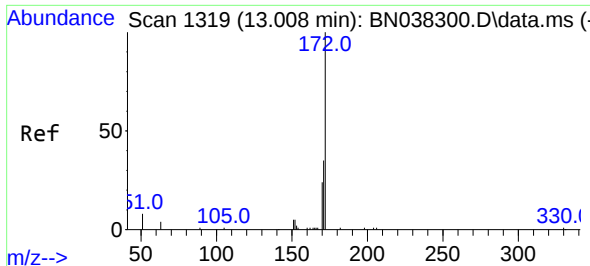


#14
2,4,6-Tribromophenol
Concen: 0.243 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00



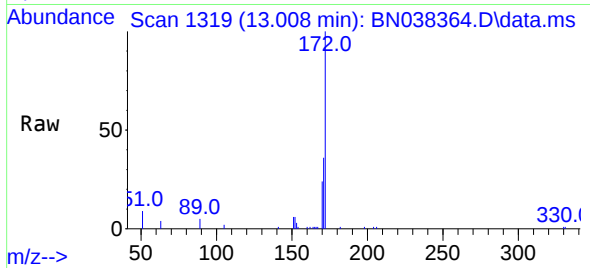
Tgt Ion:330 Resp: 785
Ion Ratio Lower Upper
330 100
332 94.5 75.8 113.6
141 42.5 31.8 47.8





#15
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

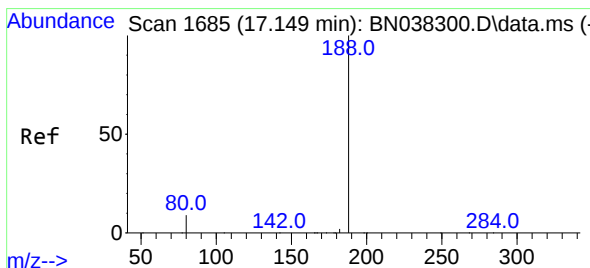
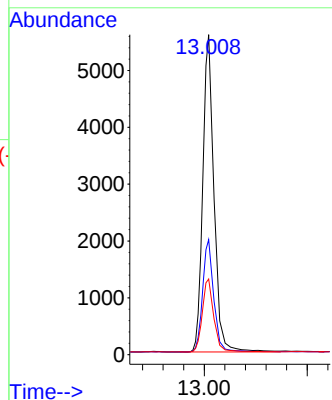


Tgt Ion:	172	Resp:	994
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.6	42.8
170	23.6	19.3	28.9

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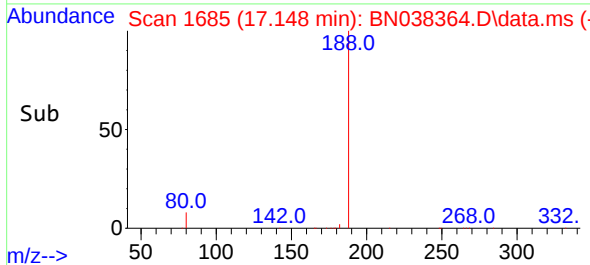
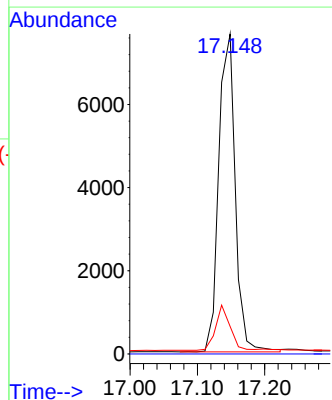
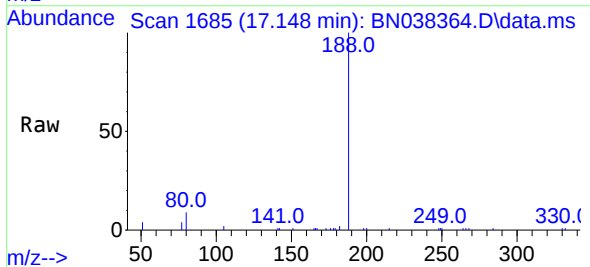
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

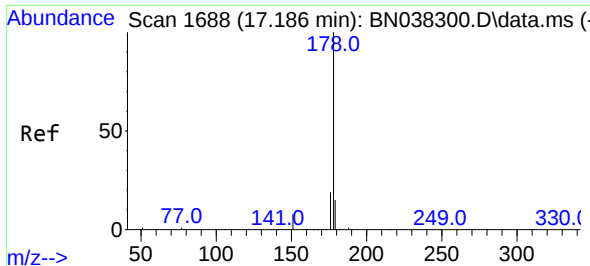
Supervised By :Jagrut
Upadhyay
12/15/2025



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

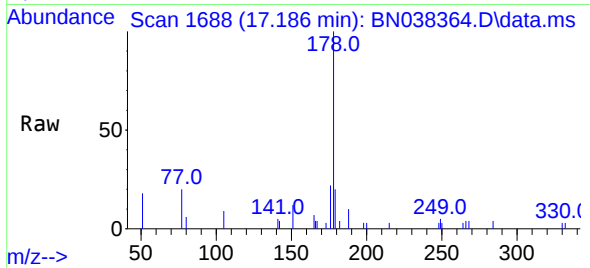
Tgt Ion:	188	Resp:	12968
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.6	7.4	11.0





#25
Phenanthrene
Concen: 0.056 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
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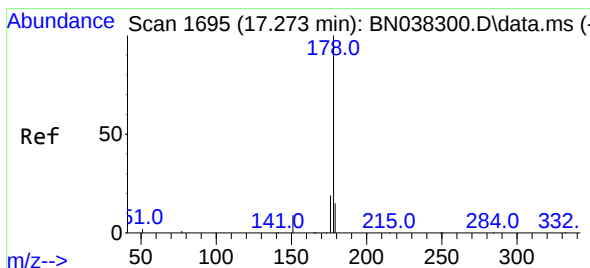
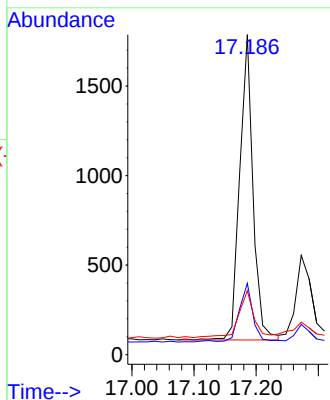


Tgt Ion:178 Resp: 2539
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 17.4 12.2 18.2

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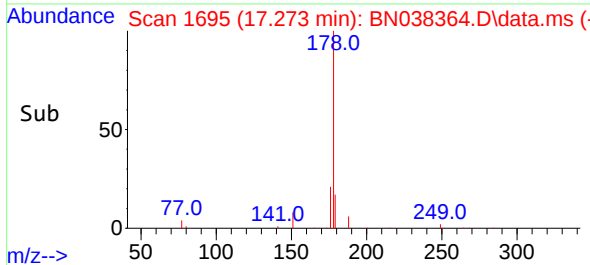
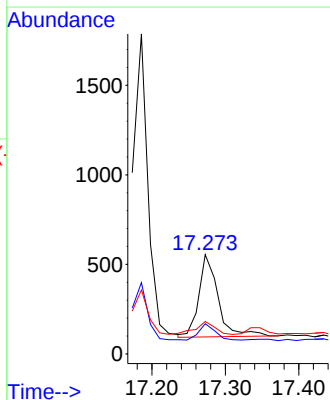
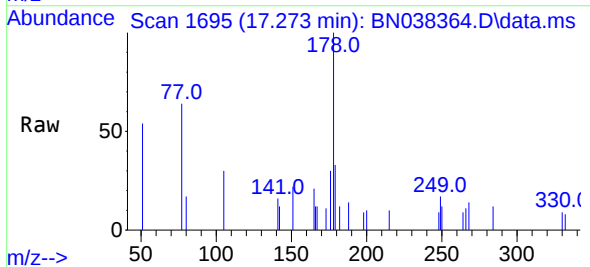
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

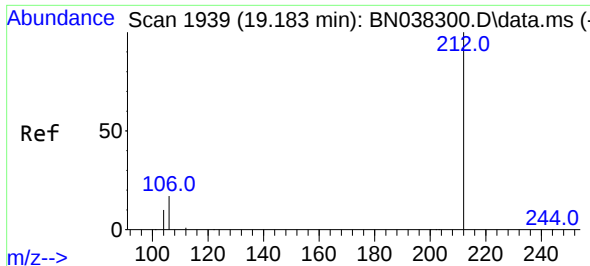
Supervised By :Jagrut
Upadhyay
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#26
Anthracene
Concen: 0.022 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

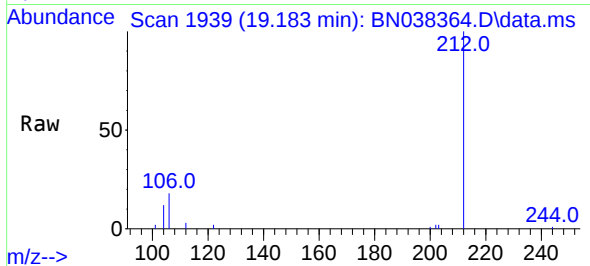
Tgt Ion:178 Resp: 837
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 16.4 12.0 18.0





#27
Fluoranthene-d10
Concen: 0.205 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

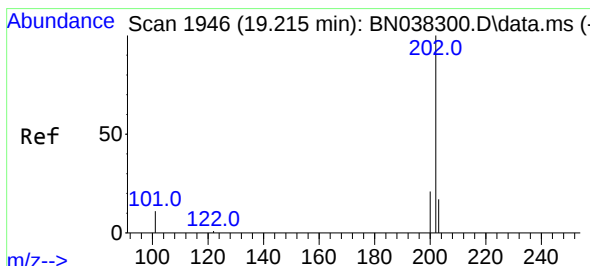
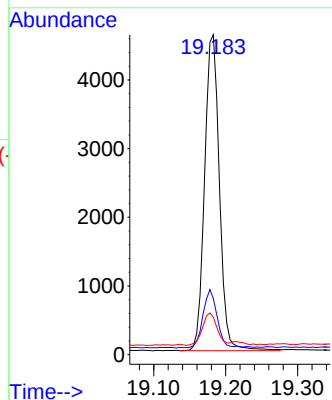


Tgt Ion:212 Resp: 656
Ion Ratio Lower Upper
212 100
106 17.8 13.7 20.5
104 10.2 7.8 11.8

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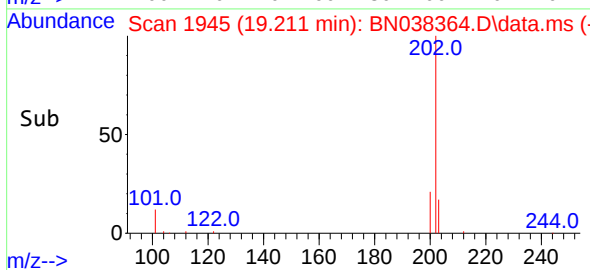
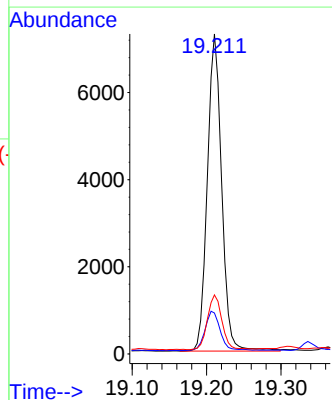
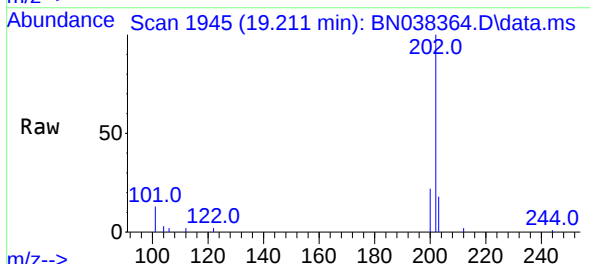
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

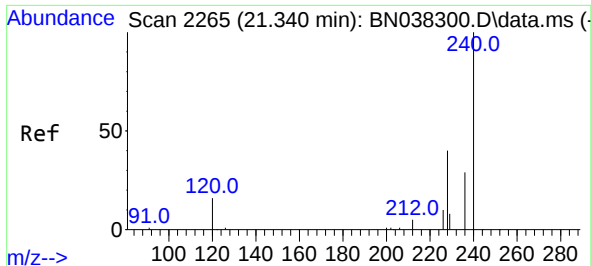
Supervised By :Jagrut
Upadhyay
12/15/2025



#28
Fluoranthene
Concen: 0.202 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

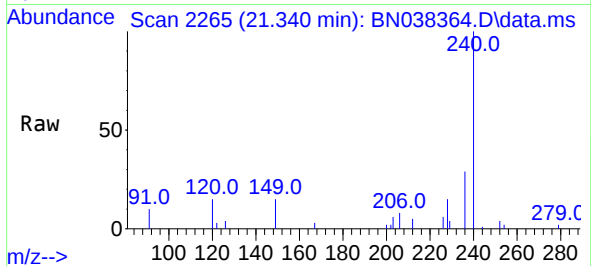
Tgt Ion:202 Resp: 9710
Ion Ratio Lower Upper
202 100
101 13.4 9.6 14.4
203 17.6 13.5 20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

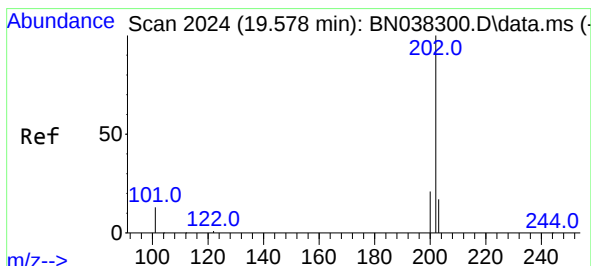
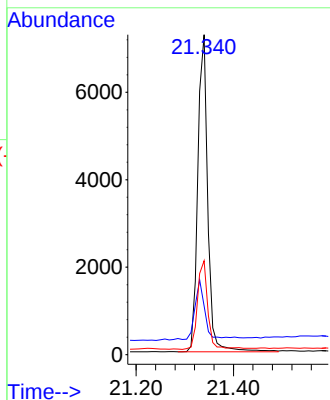
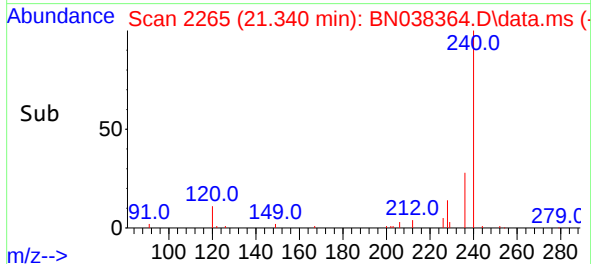


Tgt Ion:240 Resp: 1027
Ion Ratio Lower Upper
240 100
120 15.2 15.4 23.2
236 29.3 23.9 35.9

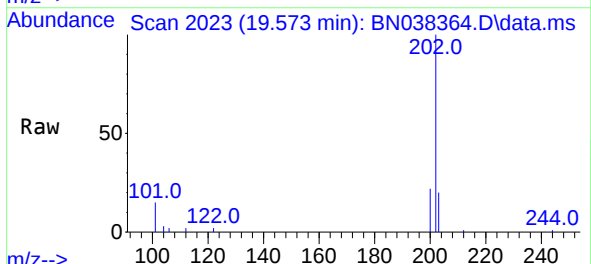
Manual Integrations
APPROVED

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

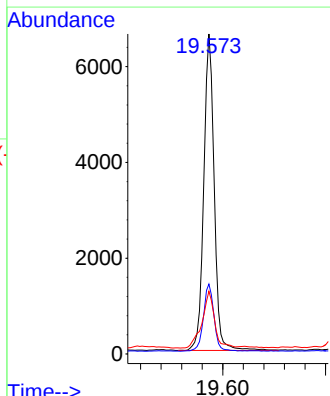
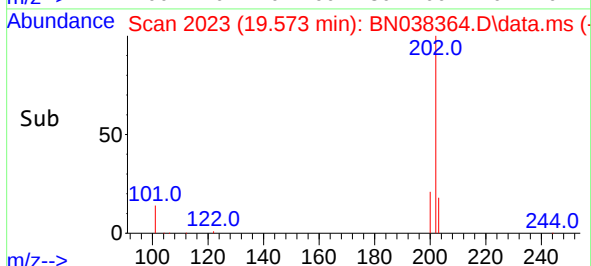
Supervised By :Jagrut
Upadhyay
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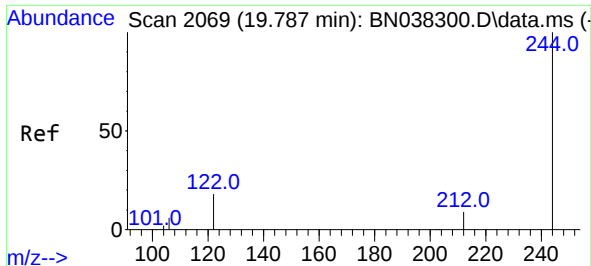


#30
Pyrene
Concen: 0.183 ng
RT: 19.573 min Scan# 2023
Delta R.T. -0.009 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00



Tgt Ion:202 Resp: 9279
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 21.6 14.2 21.2#





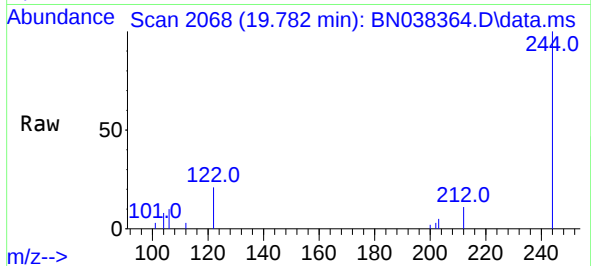
#31
Terphenyl-d14
Concen: 0.182 ng
RT: 19.782 min Scan# 2068
Delta R.T. -0.009 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :

BNA_N

ClientSampleId :

COAM6



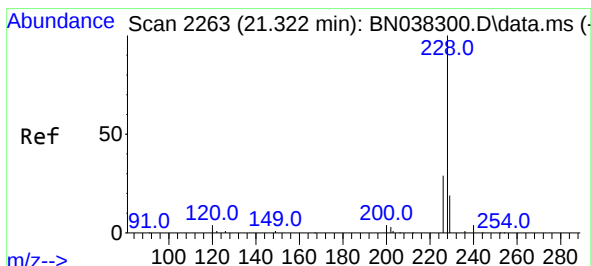
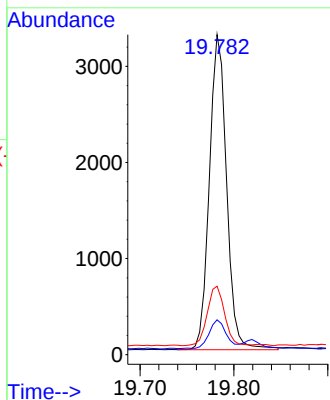
Tgt Ion:244 Resp: 417
Ion Ratio Lower Upper
244 100
212 10.9 7.9 11.9
122 21.4 15.0 22.6

Manual Integrations

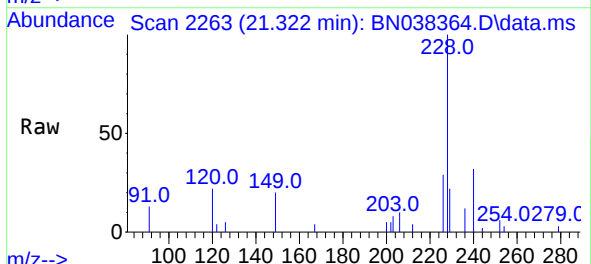
APPROVED

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

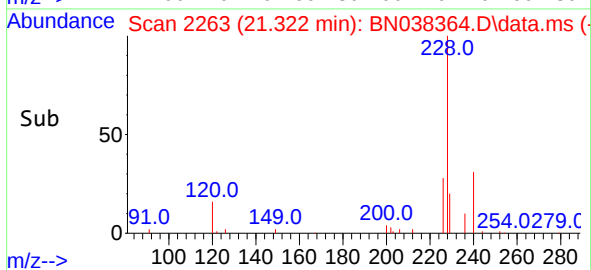
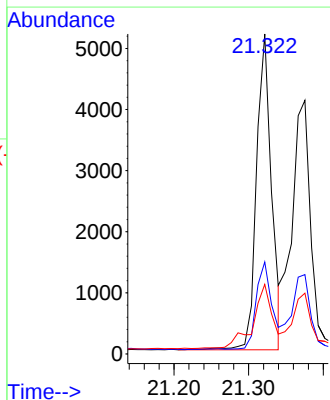
Supervised By :Jagrut
Upadhyay
12/15/2025

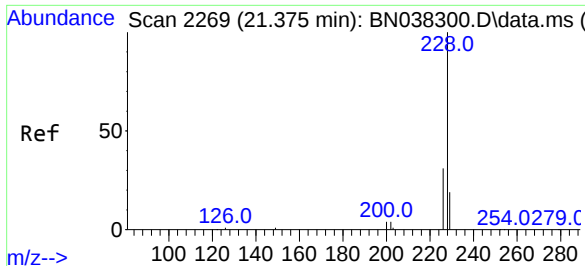


#32
Benzo(a)anthracene
Concen: 0.182 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00



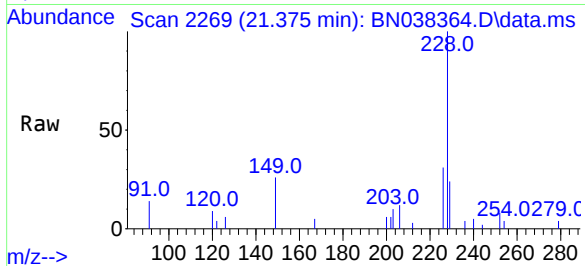
Tgt Ion:228 Resp: 7219
Ion Ratio Lower Upper
228 100
226 28.8 23.3 34.9
229 21.7 15.7 23.5





#33
Chrysene
Concen: 0.165 ng m
RT: 21.375 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

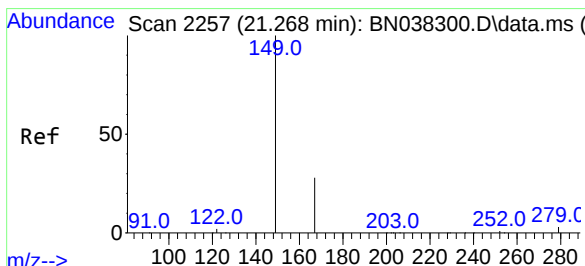
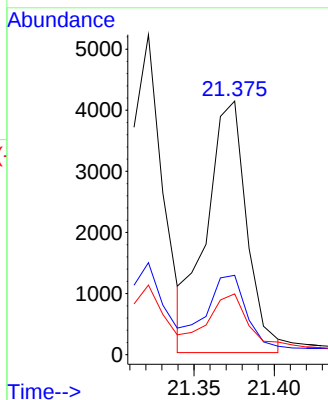
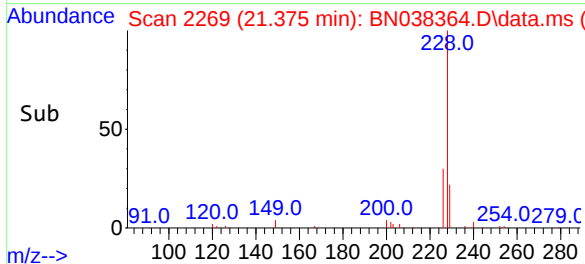


Tgt Ion:228 Resp: 7214
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.4
229 23.9 15.5 23.3

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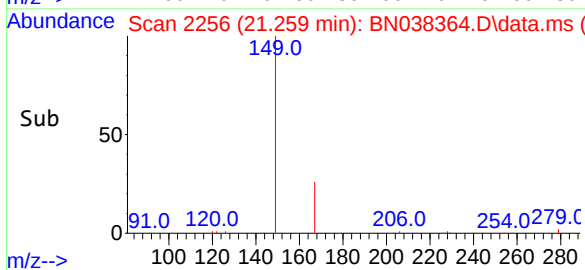
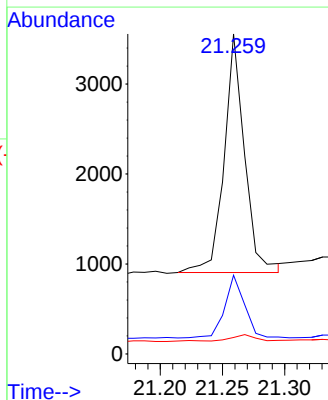
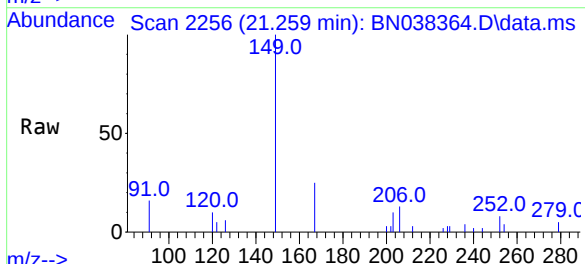
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

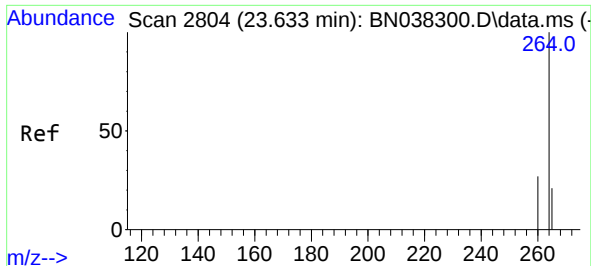
Supervised By :Jagrut
Upadhyay
12/15/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.139 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.009 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

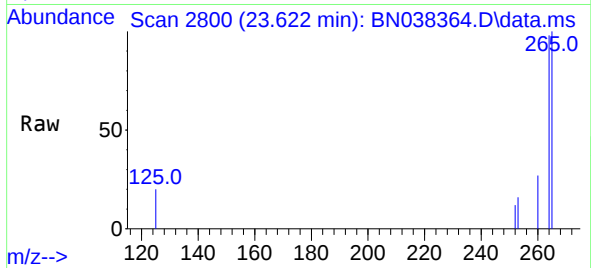
Tgt Ion:149 Resp: 3032
Ion Ratio Lower Upper
149 100
167 25.5 21.4 32.0
279 3.0 2.4 3.6





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

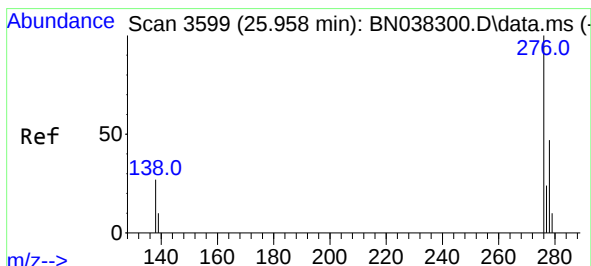
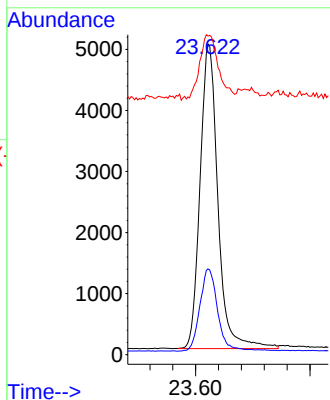
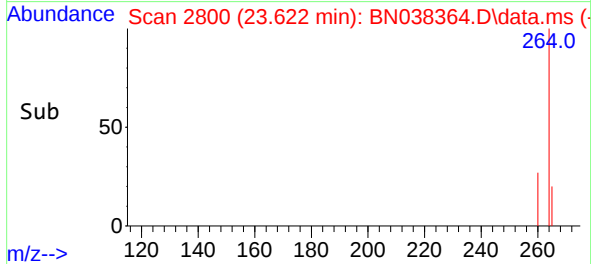


Tgt Ion:264 Resp: 1082
Ion Ratio Lower Upper
264 100
260 27.6 22.2 33.2
265 102.5 80.2 120.2

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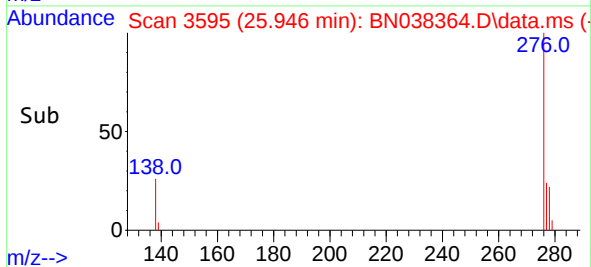
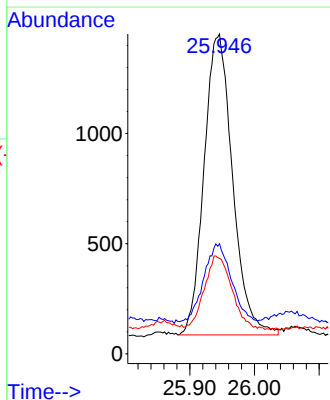
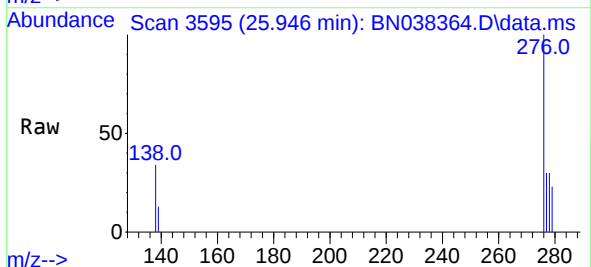
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

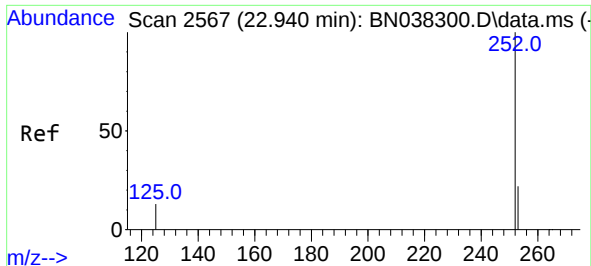
Supervised By :Jagrut
Upadhyay
12/15/2025



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.073 ng
RT: 25.946 min Scan# 3595
Delta R.T. -0.018 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion:276 Resp: 4186
Ion Ratio Lower Upper
276 100
138 24.9 23.6 35.4
277 22.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.200 ng

RT: 22.934 min Scan# 2565

Delta R.T. -0.012 min

Lab File: BN038364.D

Acq: 13 Dec 2025 00:00

Instrument :

BNA_N

ClientSampleId :

COAM6

Tgt Ion:252 Resp: 9964

Ion	Ratio	Lower	Upper
252	100		
253	35.4	21.1	31.7
125	35.7	16.4	24.6

Manual Integrations

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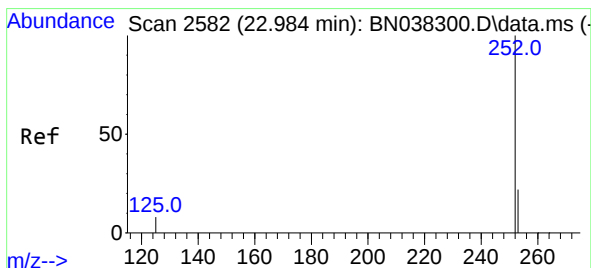
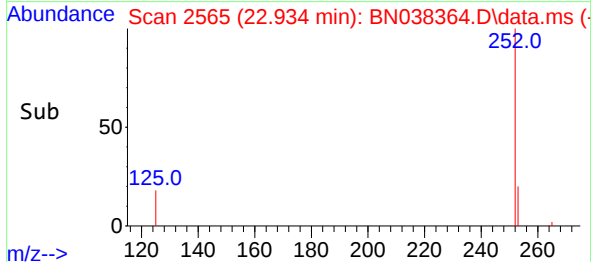
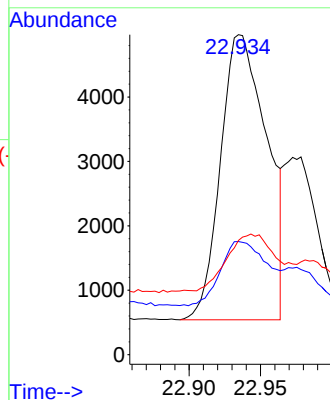
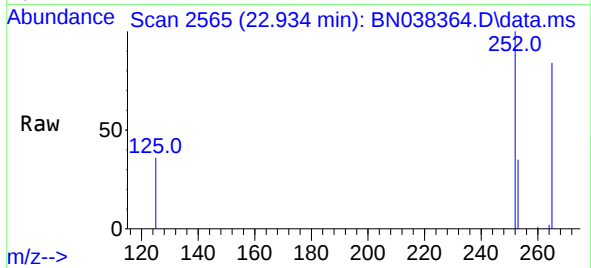
Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025

Supervised By :Jagrut

Upadhyay

12/15/2025



#38

Benzo(k)fluoranthene

Concen: 0.085 ng m

RT: 22.978 min Scan# 2580

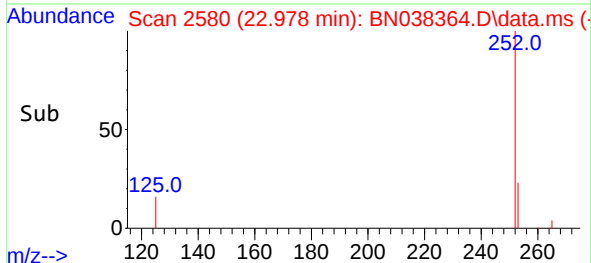
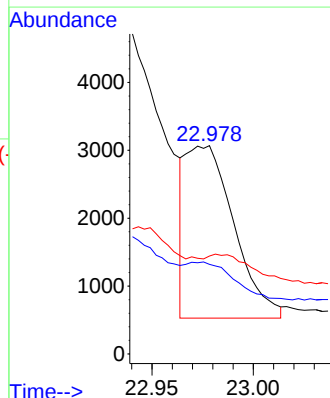
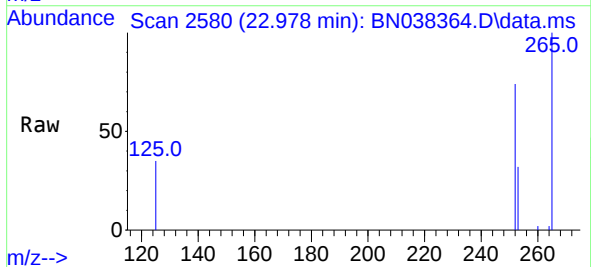
Delta R.T. -0.012 min

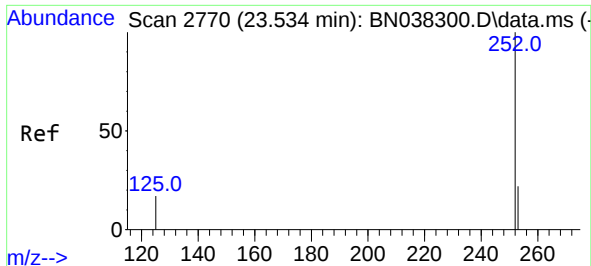
Lab File: BN038364.D

Acq: 13 Dec 2025 00:00

Tgt Ion:252 Resp: 4210

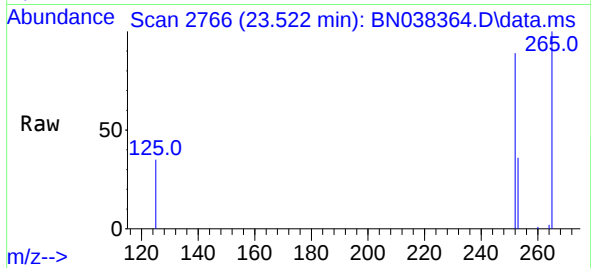
Ion	Ratio	Lower	Upper
252	100		
253	43.0	21.4	32.0
125	47.0	16.2	24.2





#39
Benzo(a)pyrene
Concen: 0.157 ng
RT: 23.522 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

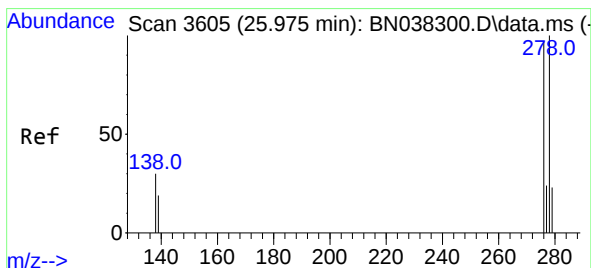
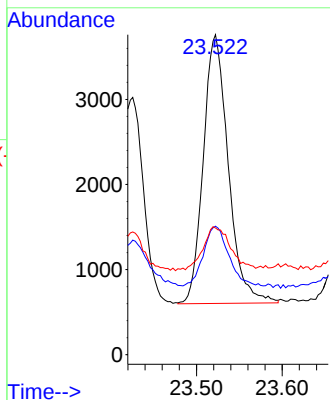


Tgt Ion:252 Resp: 639
Ion Ratio Lower Upper
252 100
253 40.1 23.3 34.9#
125 39.6 22.4 33.6#

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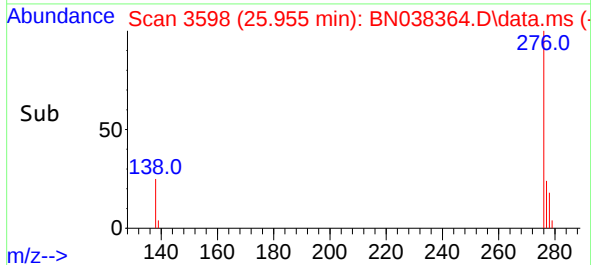
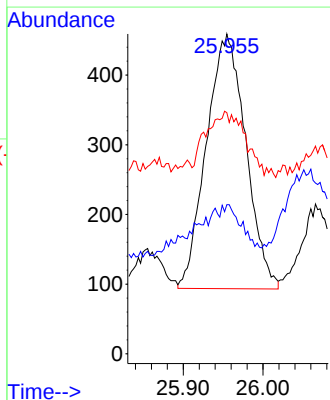
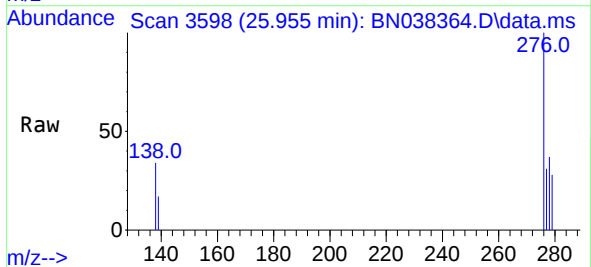
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

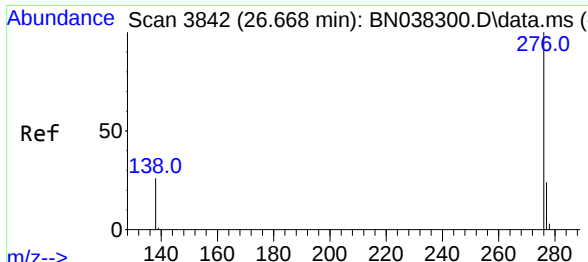
Supervised By :Jagrut
Upadhyay
12/15/2025



#40
Dibenzo(a,h)anthracene
Concen: 0.028 ng
RT: 25.955 min Scan# 3598
Delta R.T. -0.026 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

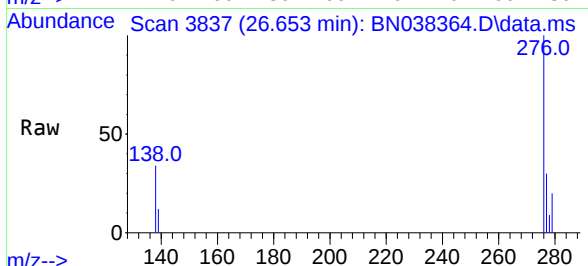
Tgt Ion:278 Resp: 1255
Ion Ratio Lower Upper
278 100
139 46.6 17.8 26.8#
279 75.4 21.3 31.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.082 ng
 RT: 26.653 min Scan# 3842
 Delta R.T. -0.023 min
 Lab File: BN038364.D
 Acq: 13 Dec 2025 00:00

Instrument :
 BNA_N
 ClientSampleId :
 C0AM6



Tgt Ion: 276 Resp: 406

Ion	Ratio	Lower	Upper
276	100		
277	30.4	20.0	30.0
138	34.3	21.8	32.6

Manual Integrations
 APPROVED

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

Supervised By :Jagrut
 Upadhyay
 12/15/2025

