

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036978.D
 Acq On : 08 May 2025 18:05
 Operator : RC/JU
 Sample : Q1939-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GB3B

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/09/2025
 Supervised By :Jagrut Upadhyay 05/09/2025

Quant Time: May 08 18:28:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	3567	0.400	ng	# 0.00
7) Naphthalene-d8	10.404	136	9662	0.400	ng	#-0.01
13) Acenaphthene-d10	14.266	164	26498	0.400	ng	#-0.01
19) Phenanthrene-d10	17.033	188	7588	0.400	ng	# 0.01
29) Chrysene-d12	21.215	240	6896	0.400	ng	# 0.00
35) Perylene-d12	23.421	264	7149	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	2181	0.239	ng	0.00
5) Phenol-d6	6.809	99	7430	0.662	ng	0.00
8) Nitrobenzene-d5	8.760	82	70053	6.930	ng	-0.02
11) 2-Methylnaphthalene-d10	12.016	152	5724	0.424	ng	0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	12.888	172	6785m	0.053	ng	-0.01
27) Fluoranthene-d10	19.063	212	4801	0.244	ng	0.00
31) Terphenyl-d14	19.663	244	3183	0.196	ng	0.00
Target Compounds						
12) 2-Methylnaphthalene	12.097	142	3671578	201.969	ng	96
18) Fluorene	15.336	166	296195	2.662	ng	# 79
25) Phenanthrene	17.071	178	899419	35.912	ng	# 90
26) Anthracene	17.157	178	120627	5.325	ng	# 79
28) Fluoranthene	19.091	202	98144	3.497	ng	# 91
30) Pyrene	19.453	202	160708	4.839	ng	98
32) Benzo(a)anthracene	21.197	228	33457	1.317	ng	# 88
33) Chrysene	21.251	228	35222	1.286	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.144	149	3374	0.234	ng	91
36) Indeno(1,2,3-cd)pyrene	25.634	276	18789	0.644	ng	97
37) Benzo(b)fluoranthene	22.760	252	37102	1.234	ng	97
38) Benzo(k)fluoranthene	22.801	252	12029m	0.398	ng	
39) Benzo(a)pyrene	23.325	252	32232m	1.304	ng	
40) Dibenzo(a,h)anthracene	25.634	278	7215	0.314	ng	# 88
41) Benzo(g,h,i)perylene	26.313	276	24364	0.955	ng	99

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

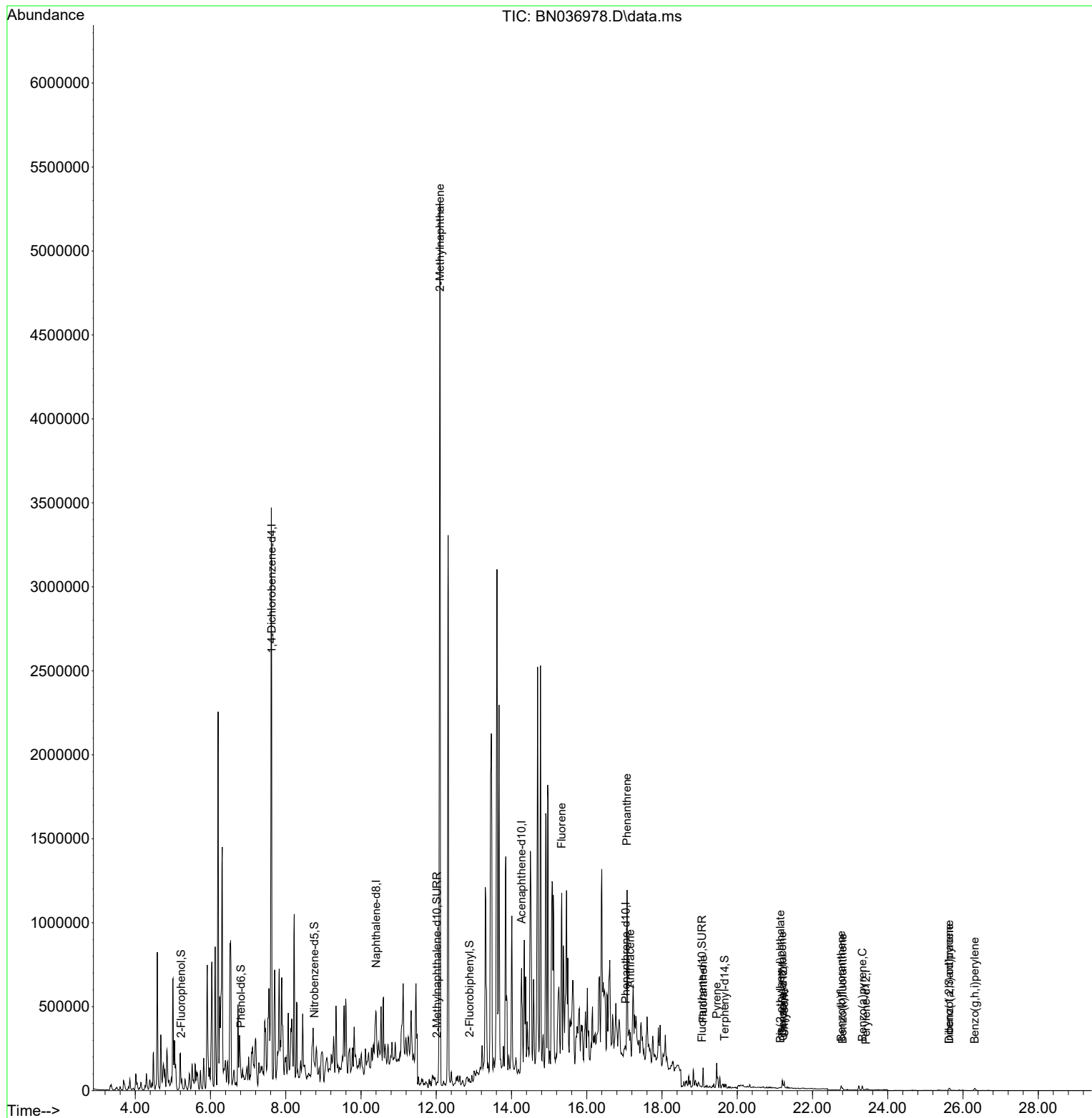
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036978.D
Acq On : 08 May 2025 18:05
Operator : RC/JU
Sample : Q1939-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

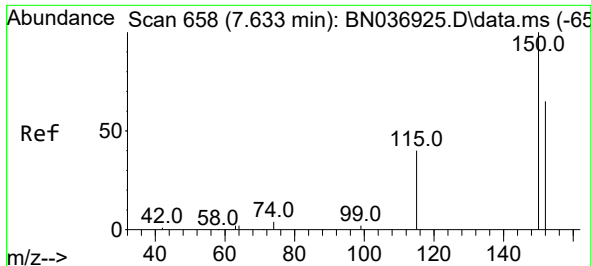
Instrument :
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ClientSampleId :
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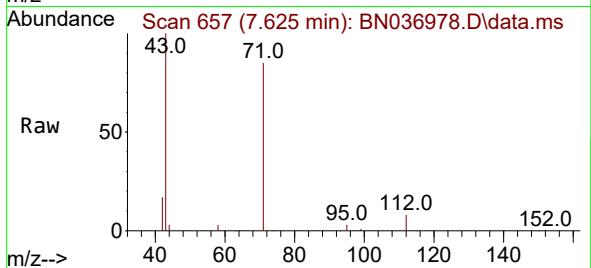
Quant Time: May 08 18:28:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

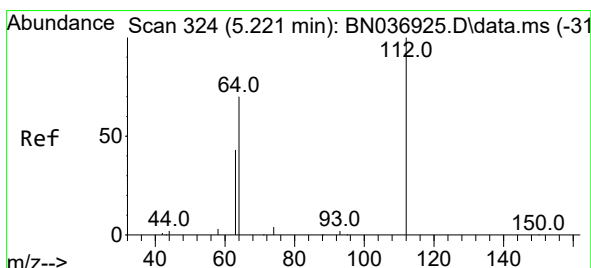
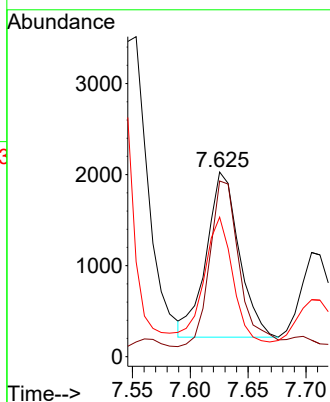
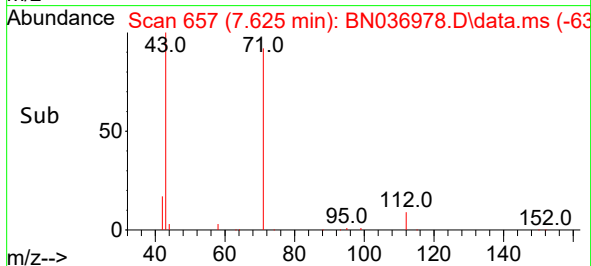
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:152 Resp: 356
Ion Ratio Lower Upper
152 100
150 95.2 121.1 181.7
115 75.5 51.8 77.6

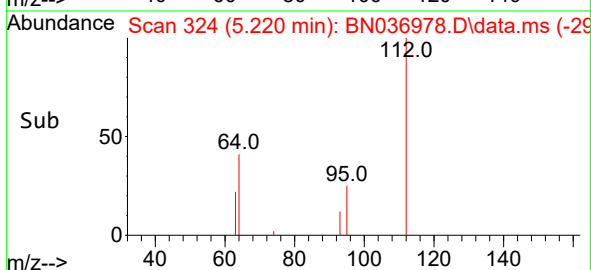
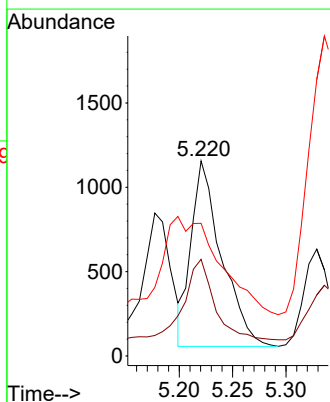
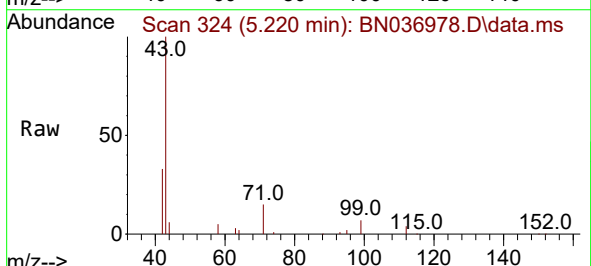
Manual Integrations
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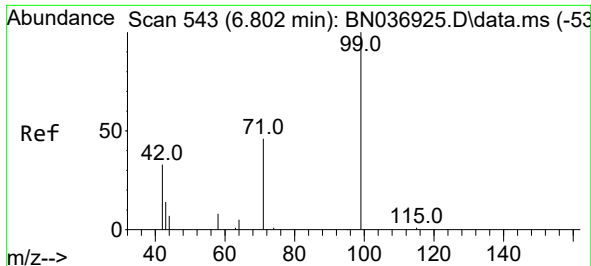
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#4
2-Fluorophenol
Concen: 0.239 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

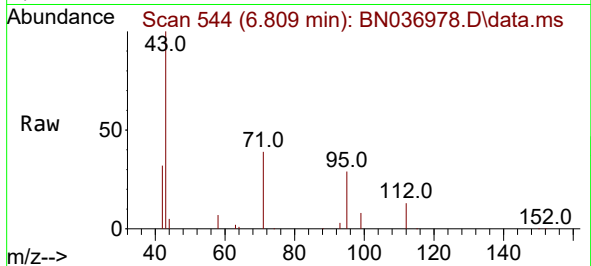
Tgt Ion:112 Resp: 2181
Ion Ratio Lower Upper
112 100
64 53.9 55.7 83.5#
63 0.0 33.9 50.9#





#5
Phenol-d6
Concen: 0.662 ng
RT: 6.809 min Scan# 543
Delta R.T. 0.007 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

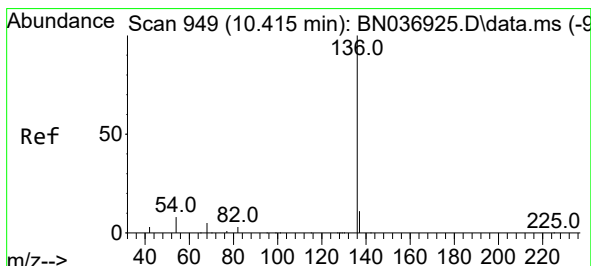
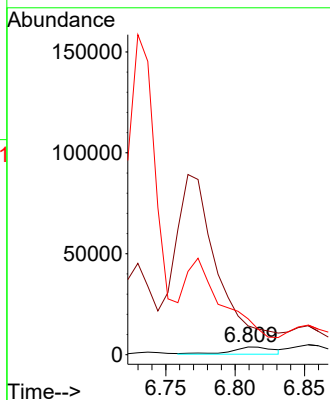
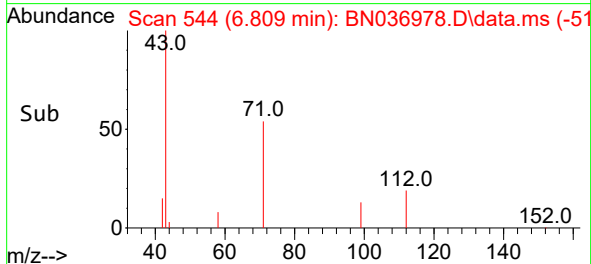
Instrument :
BNA_N
ClientSampleId :
GB3B



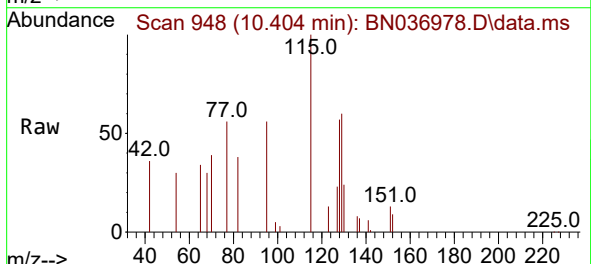
Tgt Ion: 99 Resp: 7430
Ion Ratio Lower Upper
99 100
42 0.0 29.6 44.4#
71 0.0 36.0 54.0#

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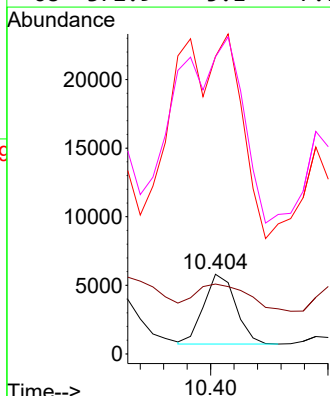
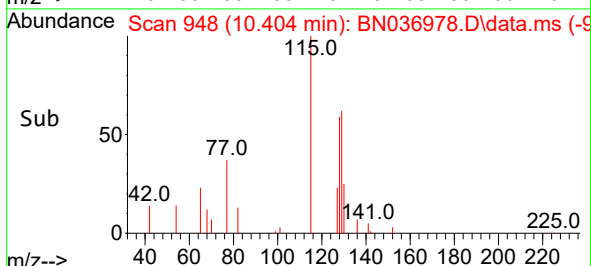
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025

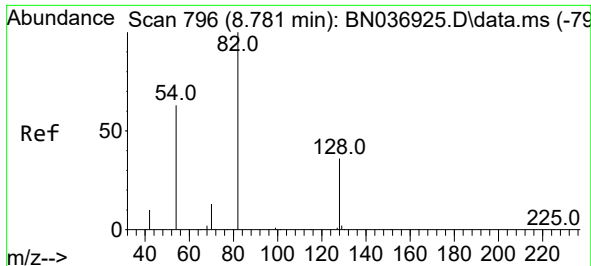


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05



Tgt Ion:136 Resp: 9662
Ion Ratio Lower Upper
136 100
137 87.7 9.7 14.5#
54 373.3 8.0 12.0#
68 372.9 5.1 7.7#





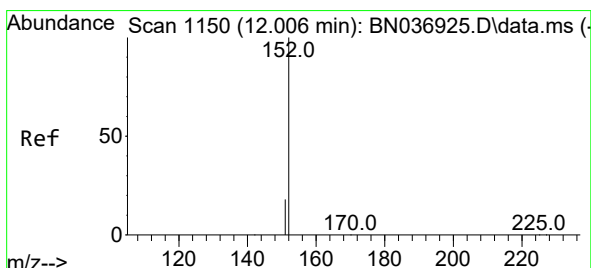
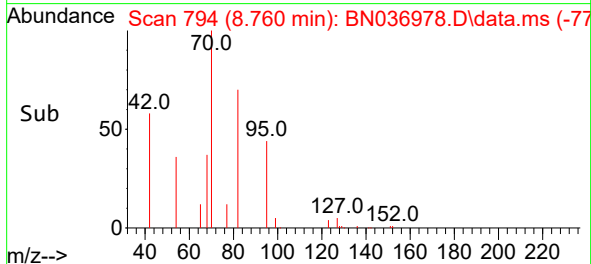
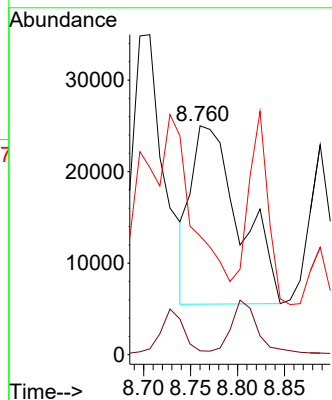
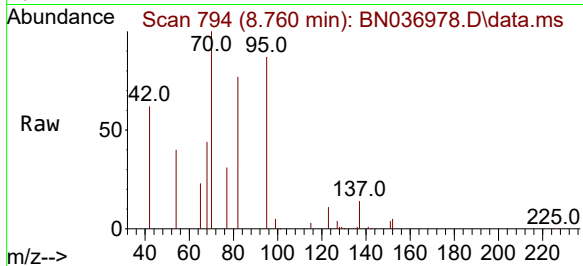
#8
Nitrobenzene-d5
Concen: 6.930 ng
RT: 8.760 min Scan# 796
Delta R.T. -0.022 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Instrument :
BNA_N
ClientSampleId :
GB3B

Tgt Ion: 82 Resp: 7005
Ion Ratio Lower Upper
82 100
128 1.7 30.7 46.1
54 51.9 52.1 78.1

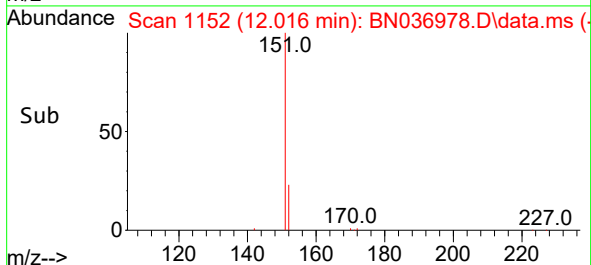
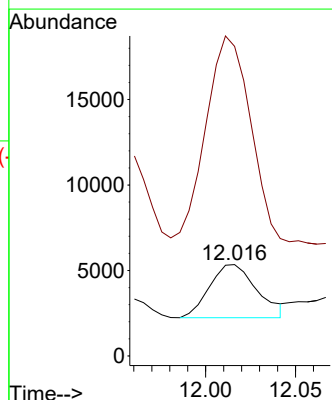
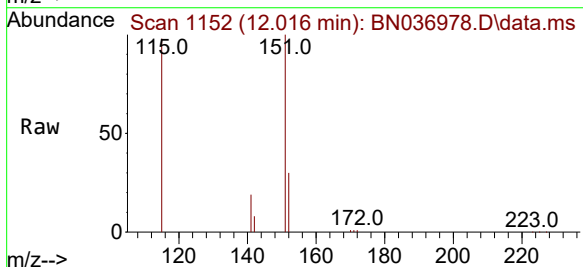
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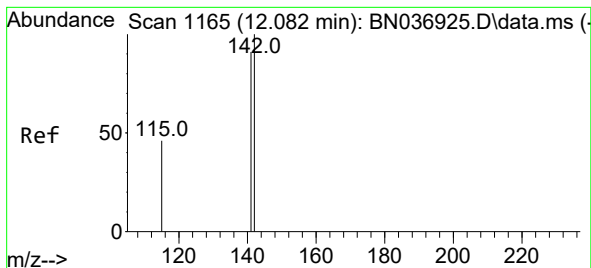
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#11
2-Methylnaphthalene-d10
Concen: 0.424 ng
RT: 12.016 min Scan# 1152
Delta R.T. 0.010 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

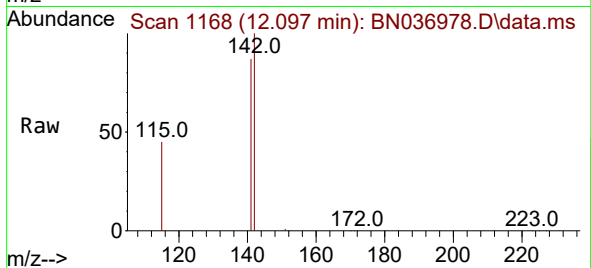
Tgt Ion:152 Resp: 5724
Ion Ratio Lower Upper
152 100
151 413.9 16.9 25.3





#12
2-Methylnaphthalene
Concen: 201.969 ng
RT: 12.097 min Scan# 1165
Delta R.T. 0.015 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

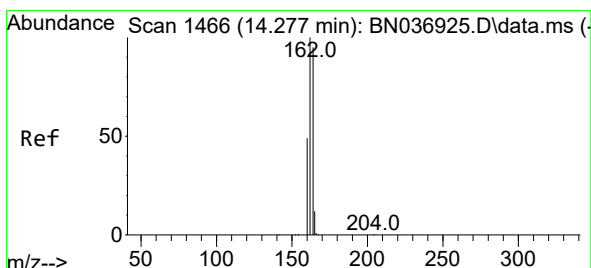
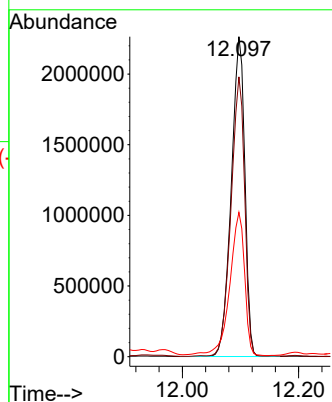
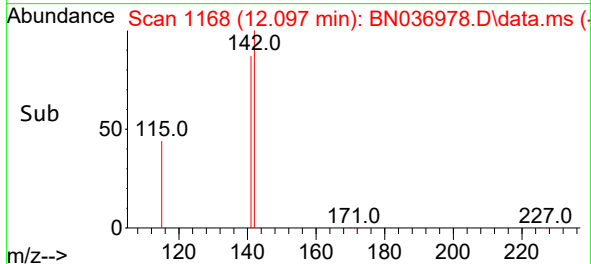
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:142 Resp: 3671578
Ion Ratio Lower Upper
142 100
141 87.4 72.8 109.2
115 45.1 38.2 57.4

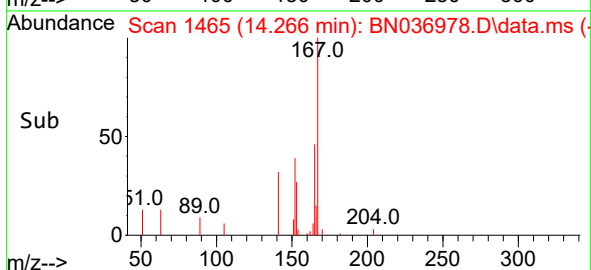
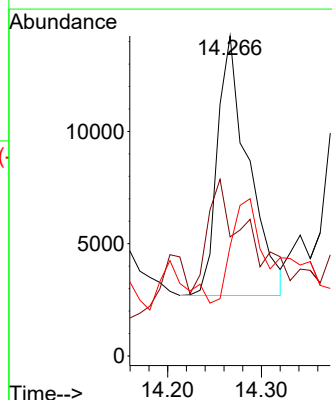
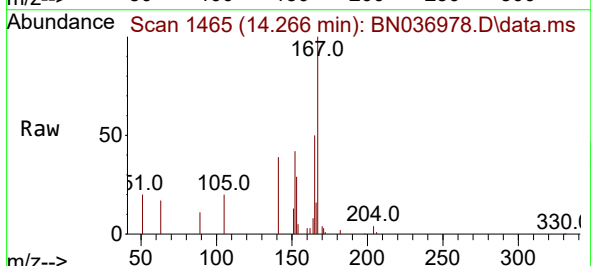
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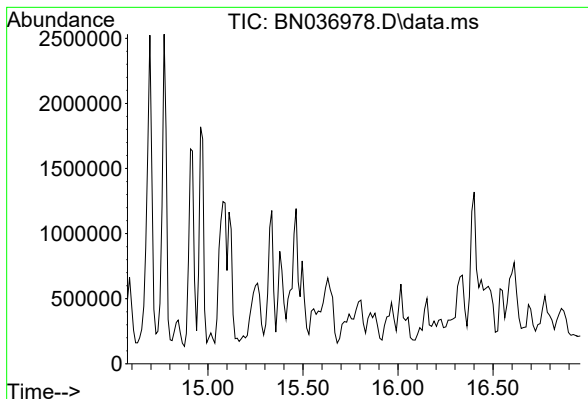
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.266 min Scan# 1465
Delta R.T. -0.011 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:164 Resp: 26498
Ion Ratio Lower Upper
164 100
162 37.2 83.8 125.8#
160 34.3 42.0 63.0#





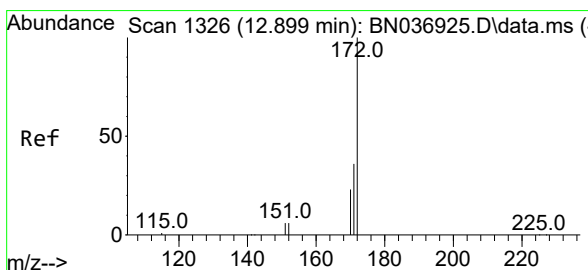
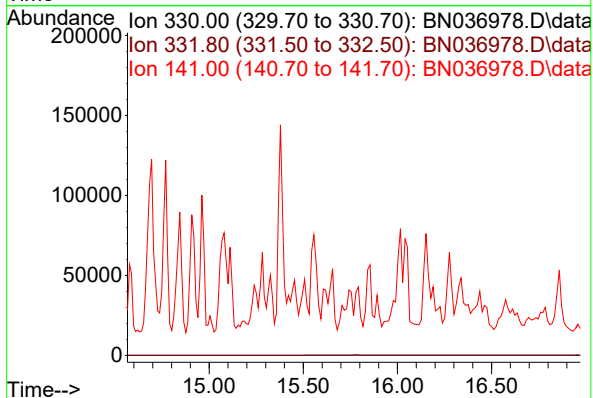
#14
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 15.77 min
 Lab File: BN036978.D
 Acq: 08 May 2025 18:05

Instrument :
 BNA_N
 ClientSampleId :
 GB3B

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 95.4
 141 56.8

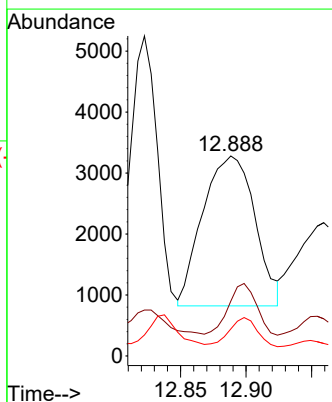
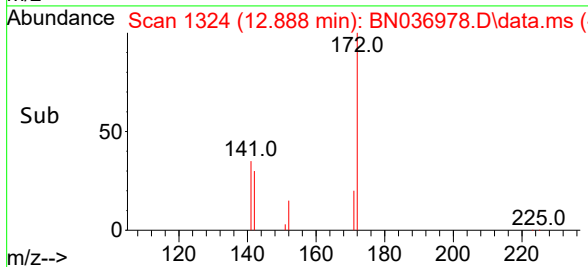
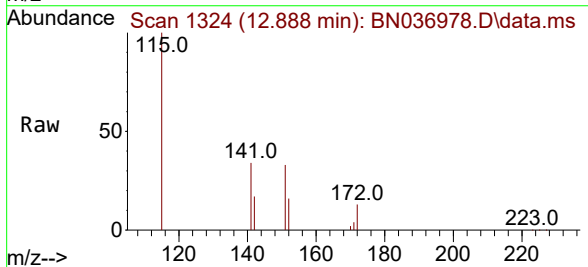
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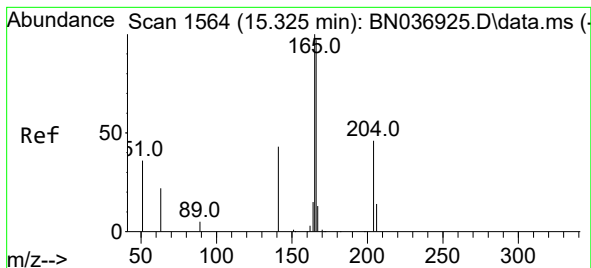
Reviewed By :Rahul Chavli 05/09/2025
 Supervised By :Jagrut Upadhyay 05/09/2025



#15
 2-Fluorobiphenyl
 Concen: 0.053 ng m
 RT: 12.888 min Scan# 1324
 Delta R.T. -0.010 min
 Lab File: BN036978.D
 Acq: 08 May 2025 18:05

Tgt Ion:172 Resp: 6785
 Ion Ratio Lower Upper
 172 100
 171 27.5 29.4 44.0#
 170 13.5 19.4 29.0#





#18

Fluorene

Concen: 2.662 ng

RT: 15.336 min Scan# 1

Delta R.T. 0.010 min

Lab File: BN036978.D

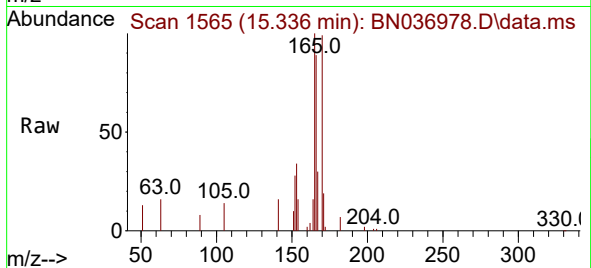
Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B



Tgt Ion:166 Resp: 29619

Ion Ratio Lower Upper

166 100

165 117.9 80.8 121.2

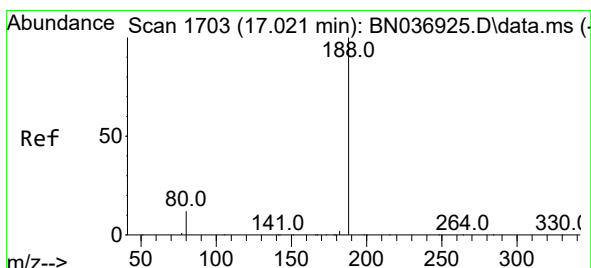
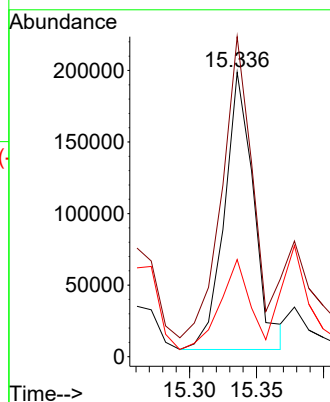
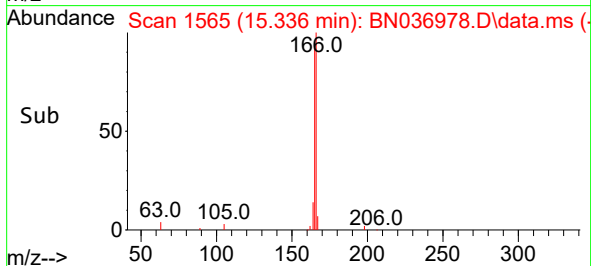
167 33.4 10.8 16.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/09/2025



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.033 min Scan# 1704

Delta R.T. 0.012 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

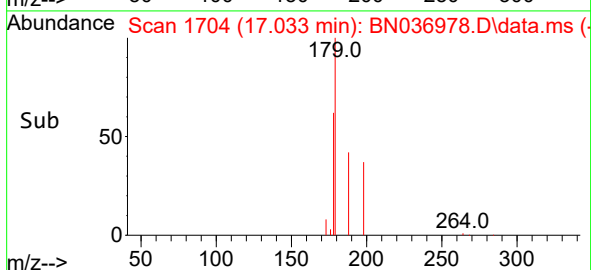
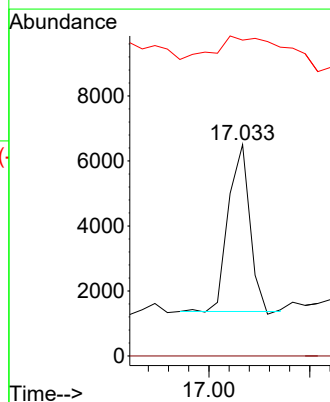
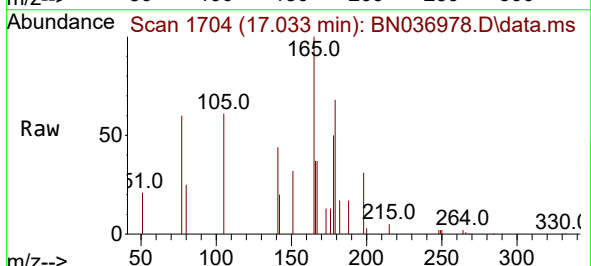
Tgt Ion:188 Resp: 7588

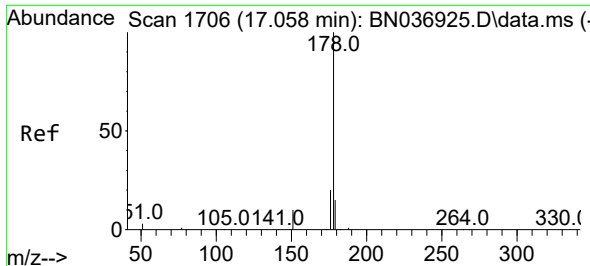
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

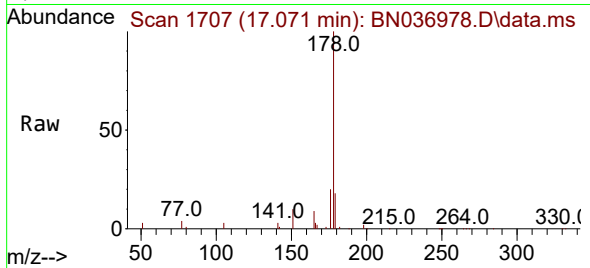
80 149.4 10.7 16.1





#25
Phenanthrene
Concen: 35.912 ng
RT: 17.071 min Scan# 1707
Delta R.T. 0.012 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

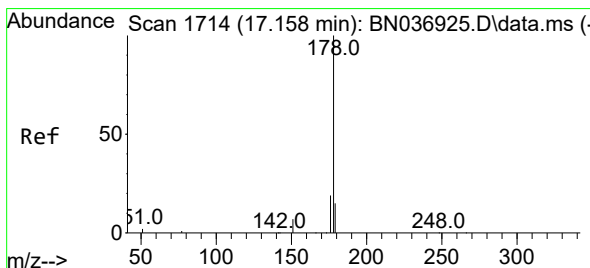
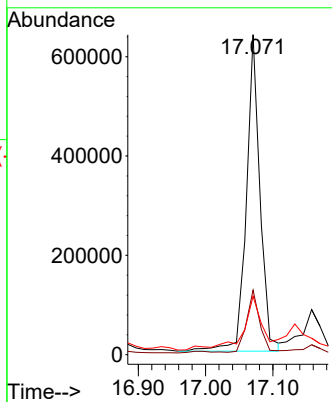
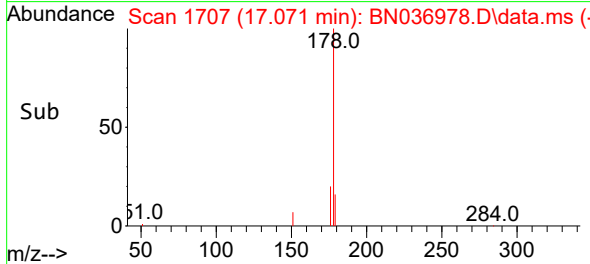
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:178 Resp: 899419
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 24.7 12.4 18.6

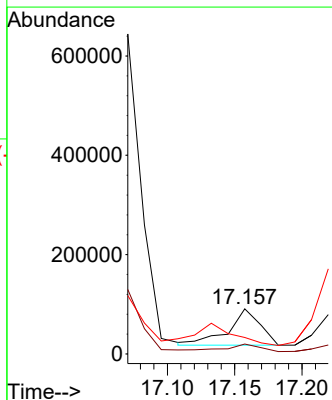
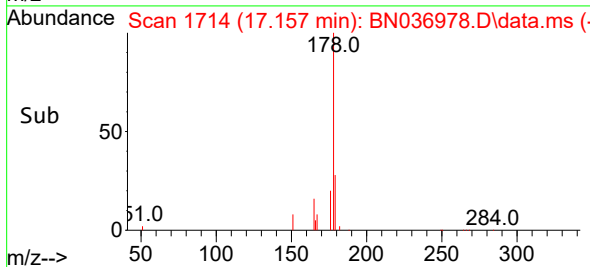
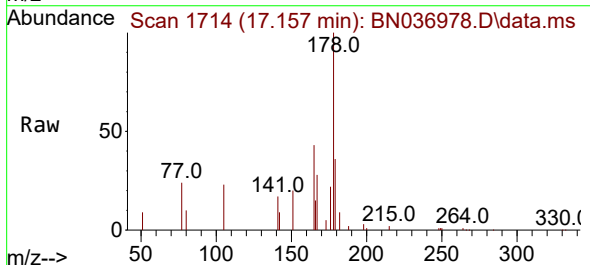
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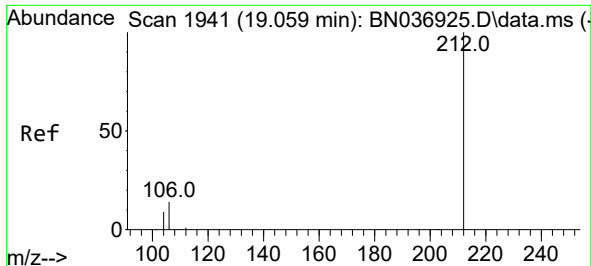
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#26
Anthracene
Concen: 5.325 ng
RT: 17.157 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

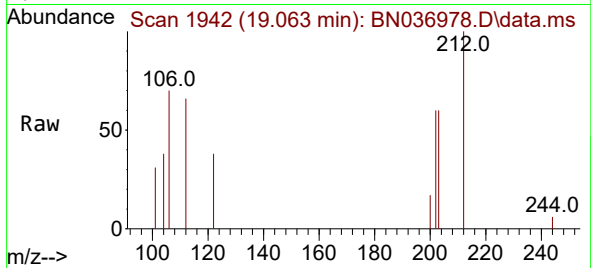
Tgt Ion:178 Resp: 120627
Ion Ratio Lower Upper
178 100
176 23.3 15.3 22.9#
179 0.0 12.1 18.1#





#27
Fluoranthene-d10
Concen: 0.244 ng
RT: 19.063 min Scan# 1941
Delta R.T. 0.004 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

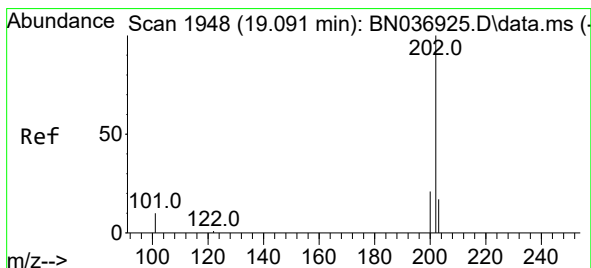
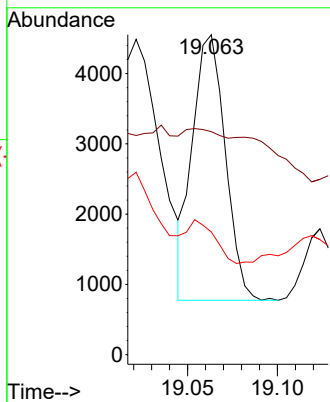
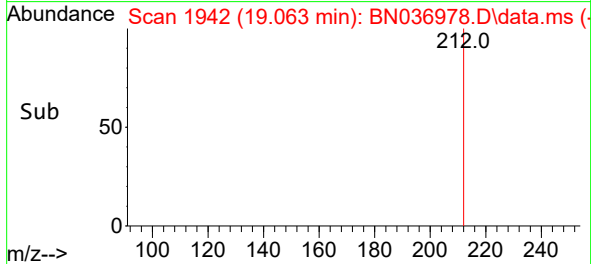
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:212 Resp: 480
Ion Ratio Lower Upper
212 100
106 0.0 11.6 17.4#
104 14.0 7.0 10.4#

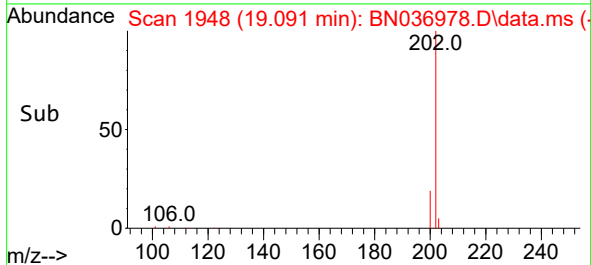
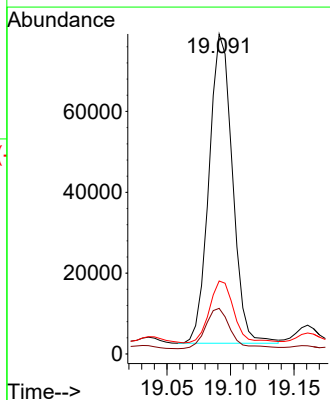
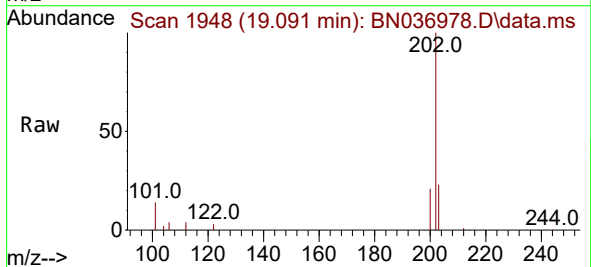
Manual Integrations
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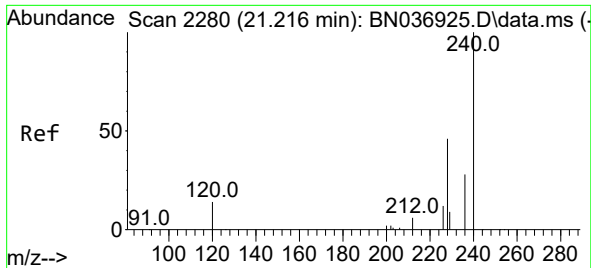
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#28
Fluoranthene
Concen: 3.497 ng
RT: 19.091 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

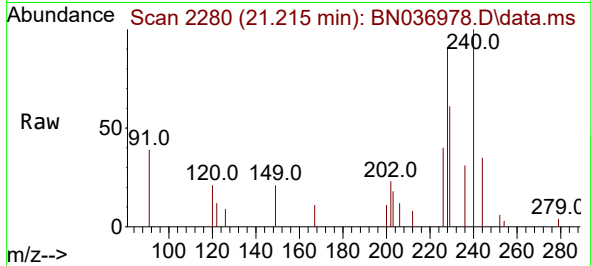
Tgt Ion:202 Resp: 98144
Ion Ratio Lower Upper
202 100
101 14.0 8.5 12.7#
203 21.1 13.7 20.5#





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

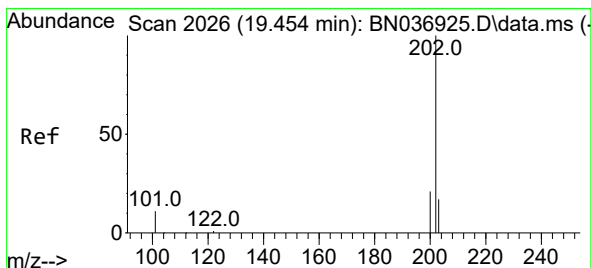
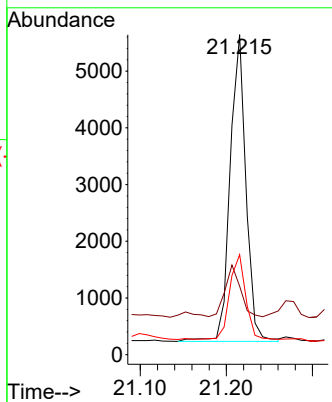
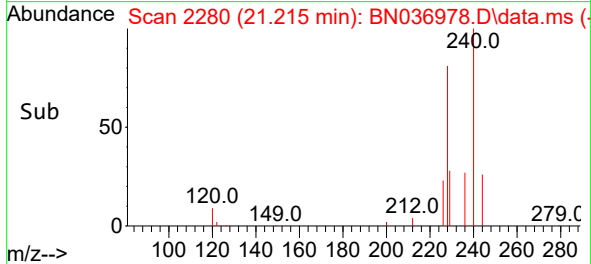
Instrument :
BNA_N
ClientSampleId :
GB3B



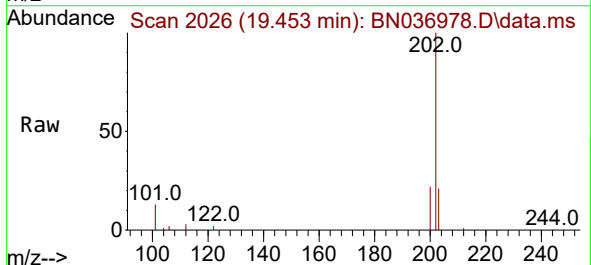
Tgt Ion:240 Resp: 6890
Ion Ratio Lower Upper
240 100
120 21.4 14.1 21.1
236 31.2 23.8 35.8

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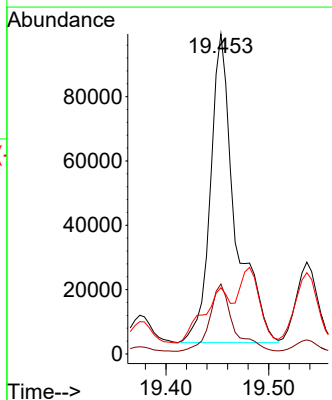
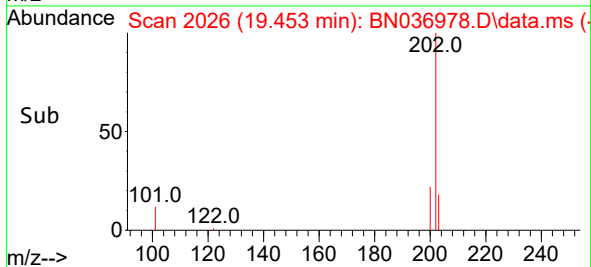
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025

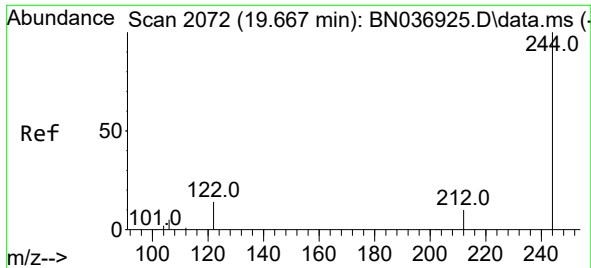


#30
Pyrene
Concen: 4.839 ng
RT: 19.453 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05



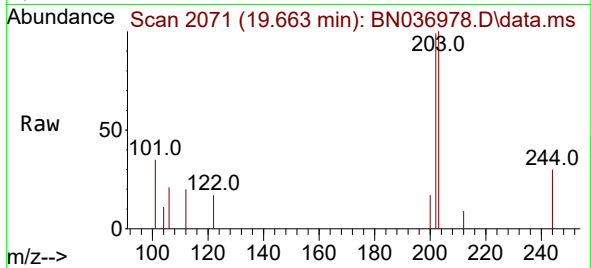
Tgt Ion:202 Resp: 160708
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 18.8 14.0 21.0





#31
Terphenyl-d14
Concen: 0.196 ng
RT: 19.663 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

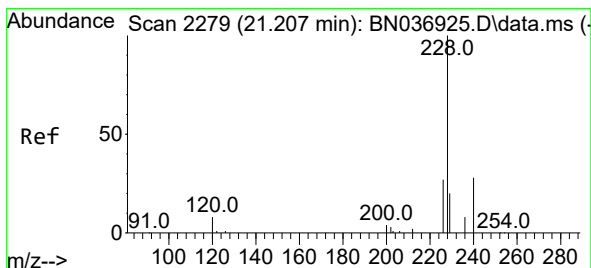
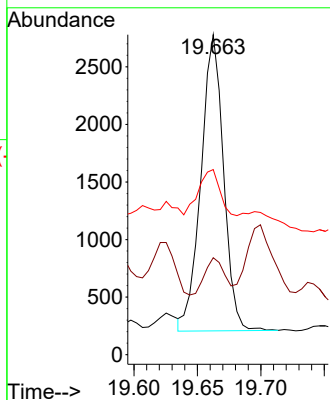
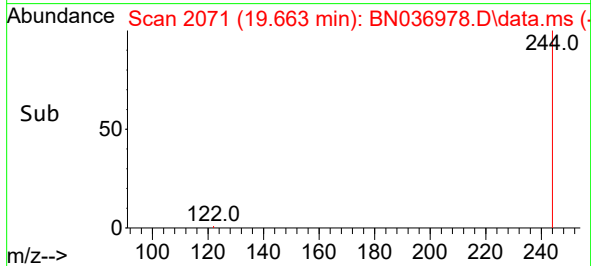
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:244 Resp: 318
Ion Ratio Lower Upper
244 100
212 30.3 9.6 14.4
122 57.9 12.7 19.1

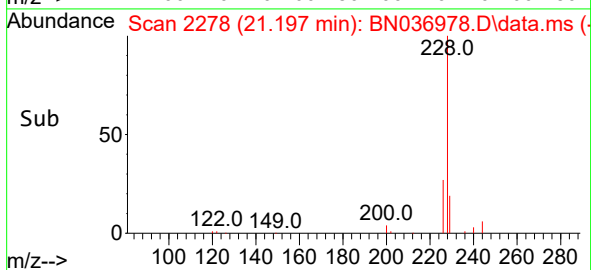
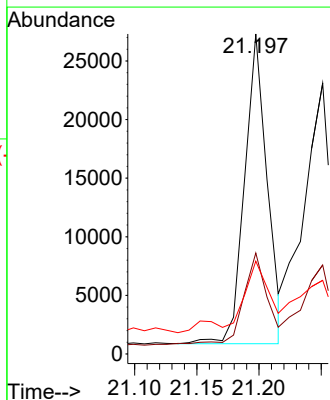
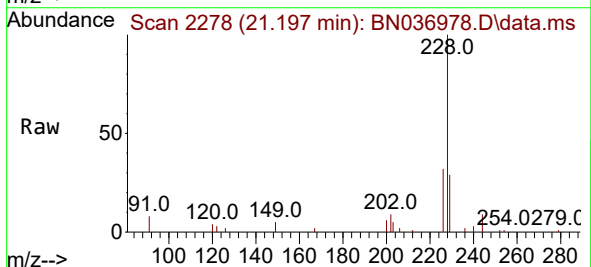
Manual Integrations
APPROVED

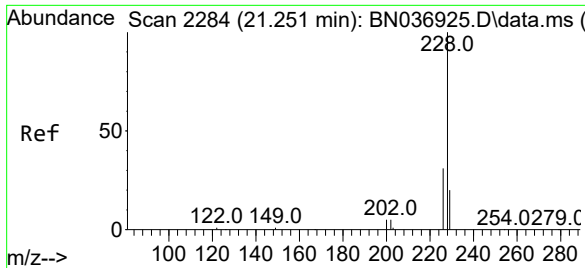
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#32
Benzo(a)anthracene
Concen: 1.317 ng
RT: 21.197 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

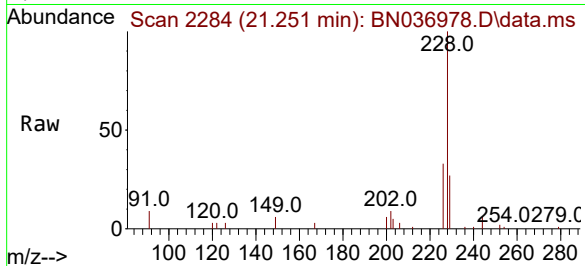
Tgt Ion:228 Resp: 33457
Ion Ratio Lower Upper
228 100
226 31.5 22.2 33.4
229 29.0 16.4 24.6





#33
Chrysene
Concen: 1.286 ng
RT: 21.251 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

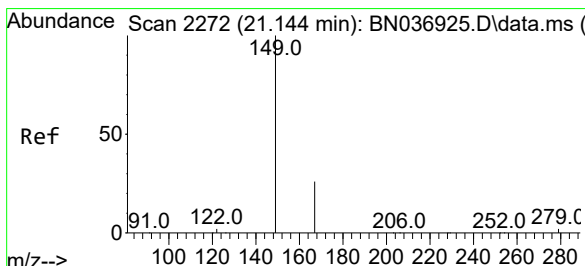
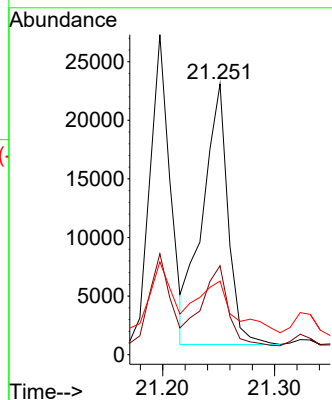
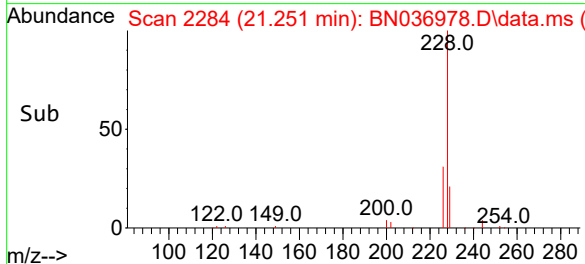
Instrument :
BNA_N
ClientSampleId :
GB3B



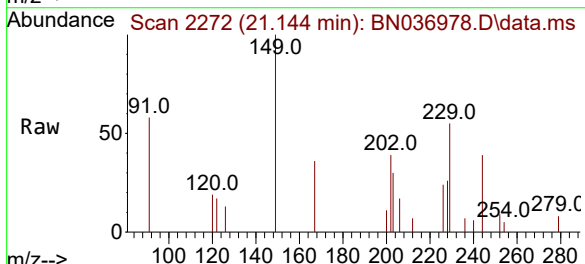
Tgt Ion: 228 Resp: 3522
Ion Ratio Lower Upper
228 100
226 32.8 25.5 38.3
229 27.2 16.5 24.7

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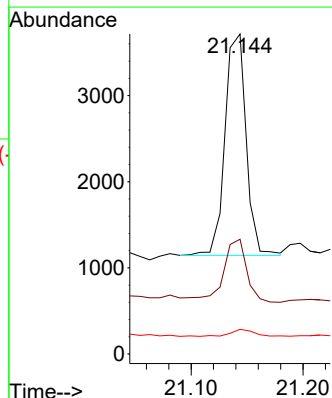
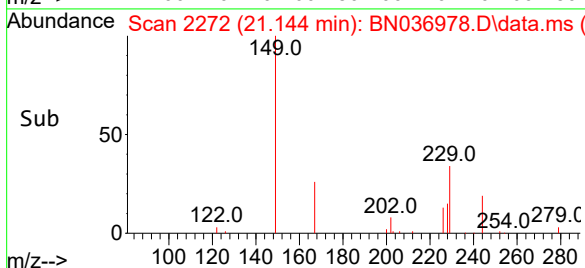
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025

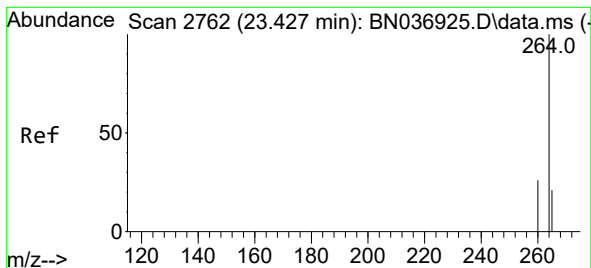


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.234 ng
RT: 21.144 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05



Tgt Ion: 149 Resp: 3374
Ion Ratio Lower Upper
149 100
167 31.2 21.0 31.6
279 3.5 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.421 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN036978.D

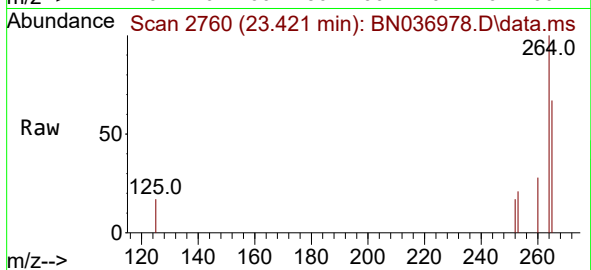
Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B



Tgt Ion:264 Resp: 7149

Ion Ratio Lower Upper

264 100

260 28.4 22.2 33.2

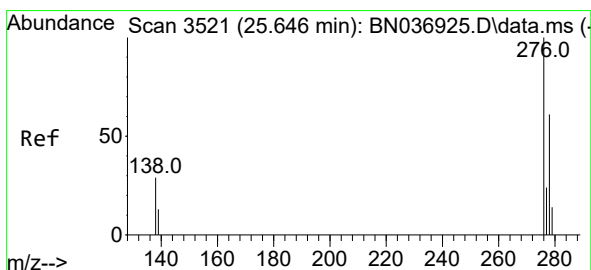
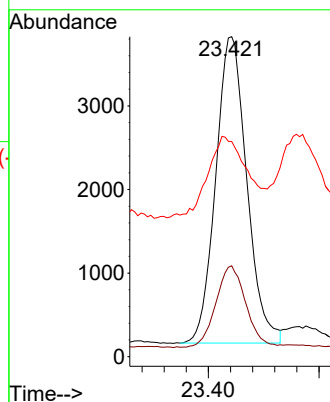
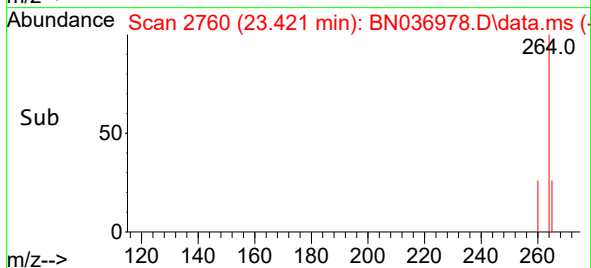
265 67.3 65.8 98.6

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Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.644 ng

RT: 25.634 min Scan# 3517

Delta R.T. -0.012 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

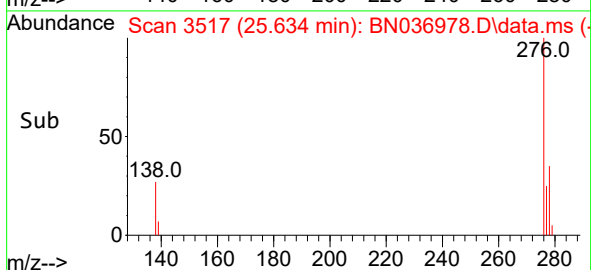
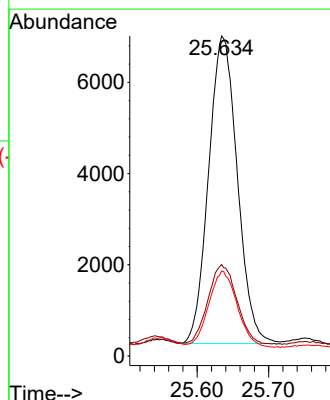
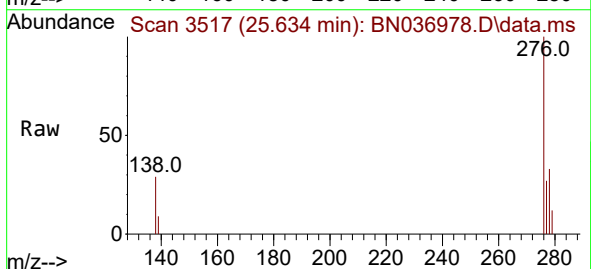
Tgt Ion:276 Resp: 18789

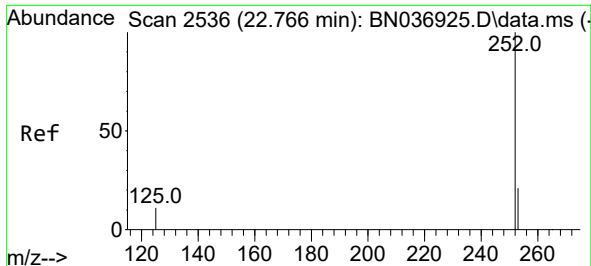
Ion Ratio Lower Upper

276 100

138 26.2 23.0 34.6

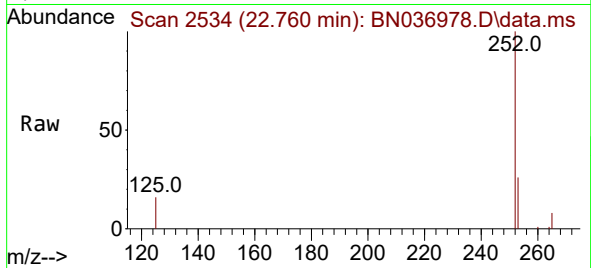
277 24.7 20.0 30.0





#37
Benzo(b)fluoranthene
Concen: 1.234 ng
RT: 22.760 min Scan# 2536
Delta R.T. -0.006 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

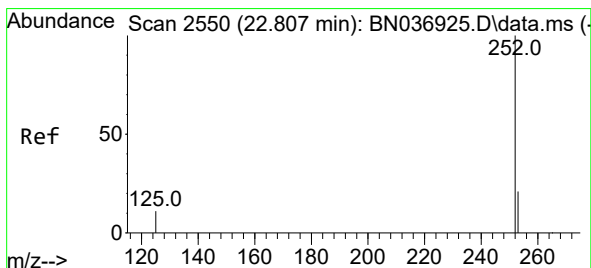
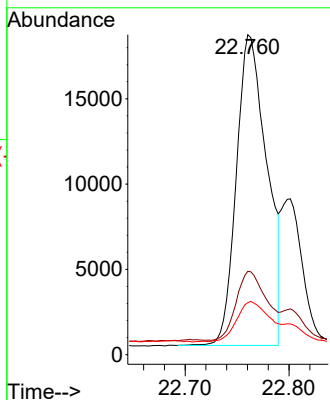
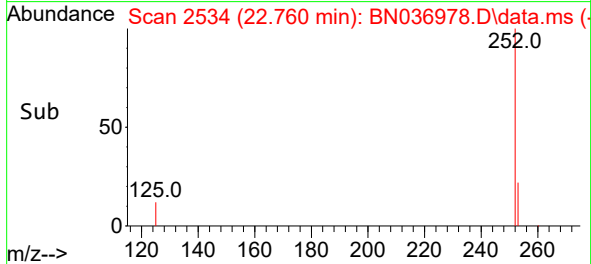
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:252 Resp: 3710
Ion Ratio Lower Upper
252 100
253 26.0 22.1 33.1
125 16.3 14.2 21.2

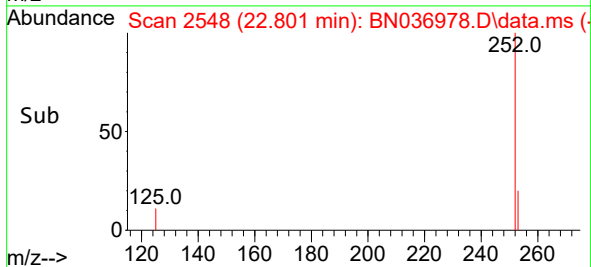
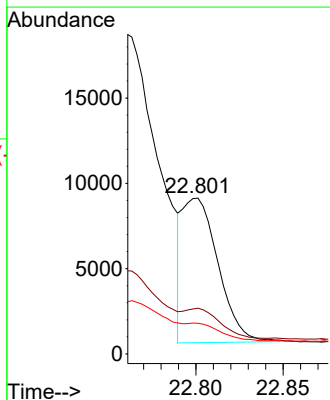
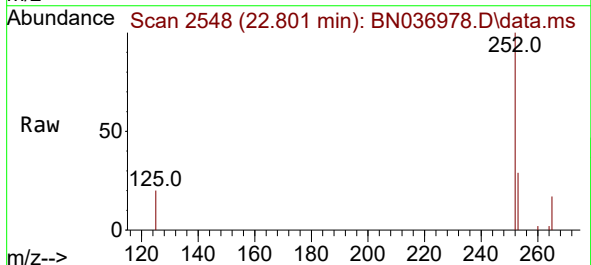
Manual Integrations
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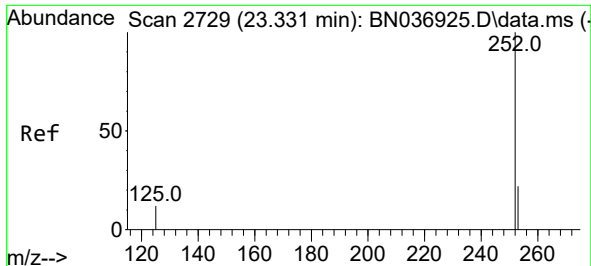
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#38
Benzo(k)fluoranthene
Concen: 0.398 ng m
RT: 22.801 min Scan# 2548
Delta R.T. -0.006 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

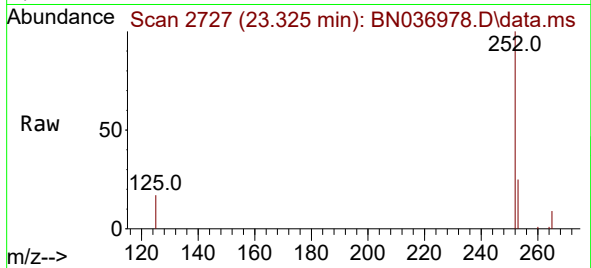
Tgt Ion:252 Resp: 12029
Ion Ratio Lower Upper
252 100
253 29.3 22.8 34.2
125 19.7 14.2 21.2





#39
Benzo(a)pyrene
Concen: 1.304 ng m
RT: 23.325 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

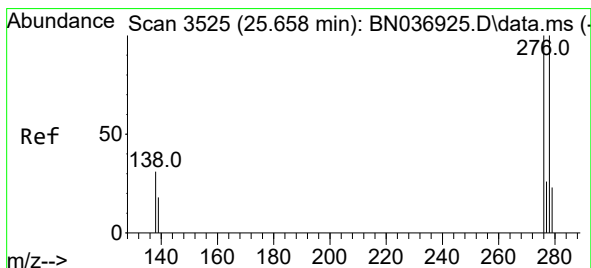
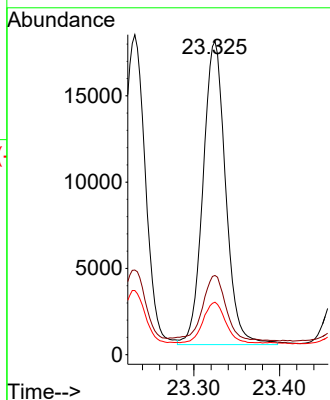
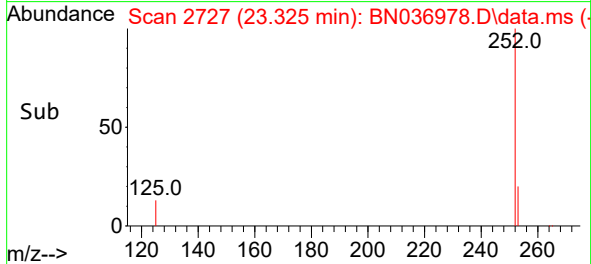
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:252 Resp: 3223
Ion Ratio Lower Upper
252 100
253 25.3 25.9 38.9#
125 16.8 17.4 26.0#

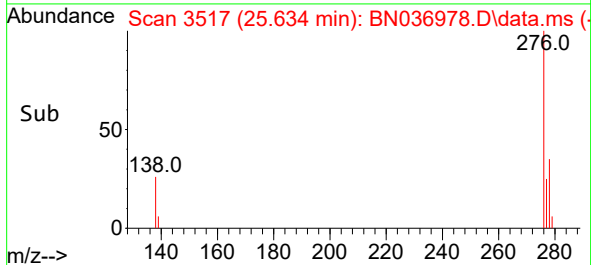
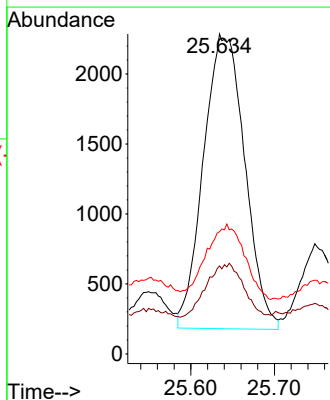
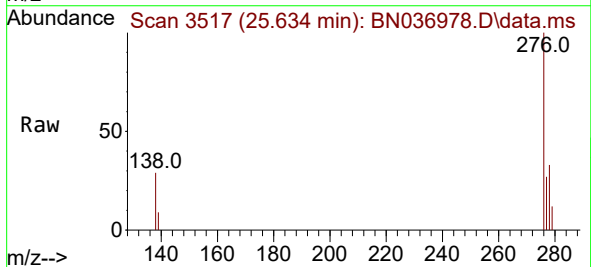
Manual Integrations
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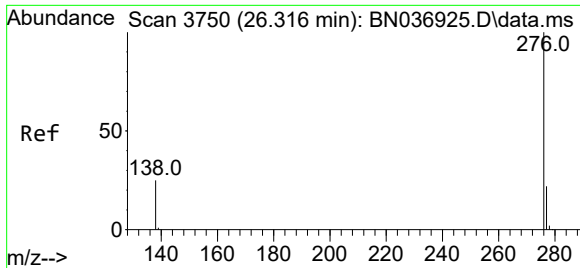
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#40
Dibenzo(a,h)anthracene
Concen: 0.314 ng
RT: 25.634 min Scan# 3517
Delta R.T. -0.024 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

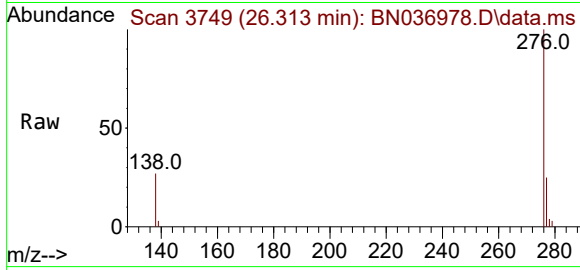
Tgt Ion:278 Resp: 7215
Ion Ratio Lower Upper
278 100
139 27.5 17.4 26.2#
279 38.2 24.9 37.3#





#41
Benzo(g,h,i)perylene
Concen: 0.955 ng
RT: 26.313 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:276 Resp: 24364
Ion Ratio Lower Upper
276 100
277 24.9 20.2 30.2
138 27.2 21.9 32.9

Manual Integrations
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Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025

