

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038400.D
 Acq On : 15 Dec 2025 12:19
 Operator : RC/JU
 Sample : Q3839-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AM5

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

Quant Time: Dec 15 12:50:45 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	7.724	152	8247	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	22049	0.400	ng	0.00
13) Acenaphthene-d10	14.388	164	11043	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	18585	0.400	ng	0.00
29) Chrysene-d12	21.340	240	15604	0.400	ng	# 0.00
35) Perylene-d12	23.625	264	17669	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.298	112	7630	0.371	ng	0.00
5) Phenol-d6	6.894	99	9115	0.373	ng	0.00
8) Nitrobenzene-d5	8.875	82	7525	0.405	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	10346	0.333	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	1686	0.344	ng	-0.01
15) 2-Fluorobiphenyl	13.008	172	19821	0.373	ng	0.00
27) Fluoranthene-d10	19.178	212	12180	0.265	ng	0.00
31) Terphenyl-d14	19.782	244	9197	0.264	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.573	128	7228	0.111	ng	97
12) 2-Methylnaphthalene	12.202	142	6045	0.146	ng	99
25) Phenanthrene	17.186	178	18910	0.292	ng	99
28) Fluoranthene	19.211	202	27554	0.401	ng	99
30) Pyrene	19.573	202	17573	0.229	ng	99
32) Benzo(a)anthracene	21.322	228	13724m	0.228	ng	
33) Chrysene	21.375	228	23229	0.350	ng	96
34) Bis(2-ethylhexyl)phtha...	21.259	149	6505	0.197	ng	100
36) Indeno(1,2,3-cd)pyrene	25.946	276	5204	0.056	ng	97
37) Benzo(b)fluoranthene	22.935	252	26084	0.321	ng	99
38) Benzo(k)fluoranthene	22.975	252	8154m	0.101	ng	
39) Benzo(a)pyrene	23.522	252	3974m	0.060	ng	
40) Dibenzo(a,h)anthracene	25.952	278	2260	0.031	ng	# 53
41) Benzo(g,h,i)perylene	26.656	276	5585	0.069	ng	93

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

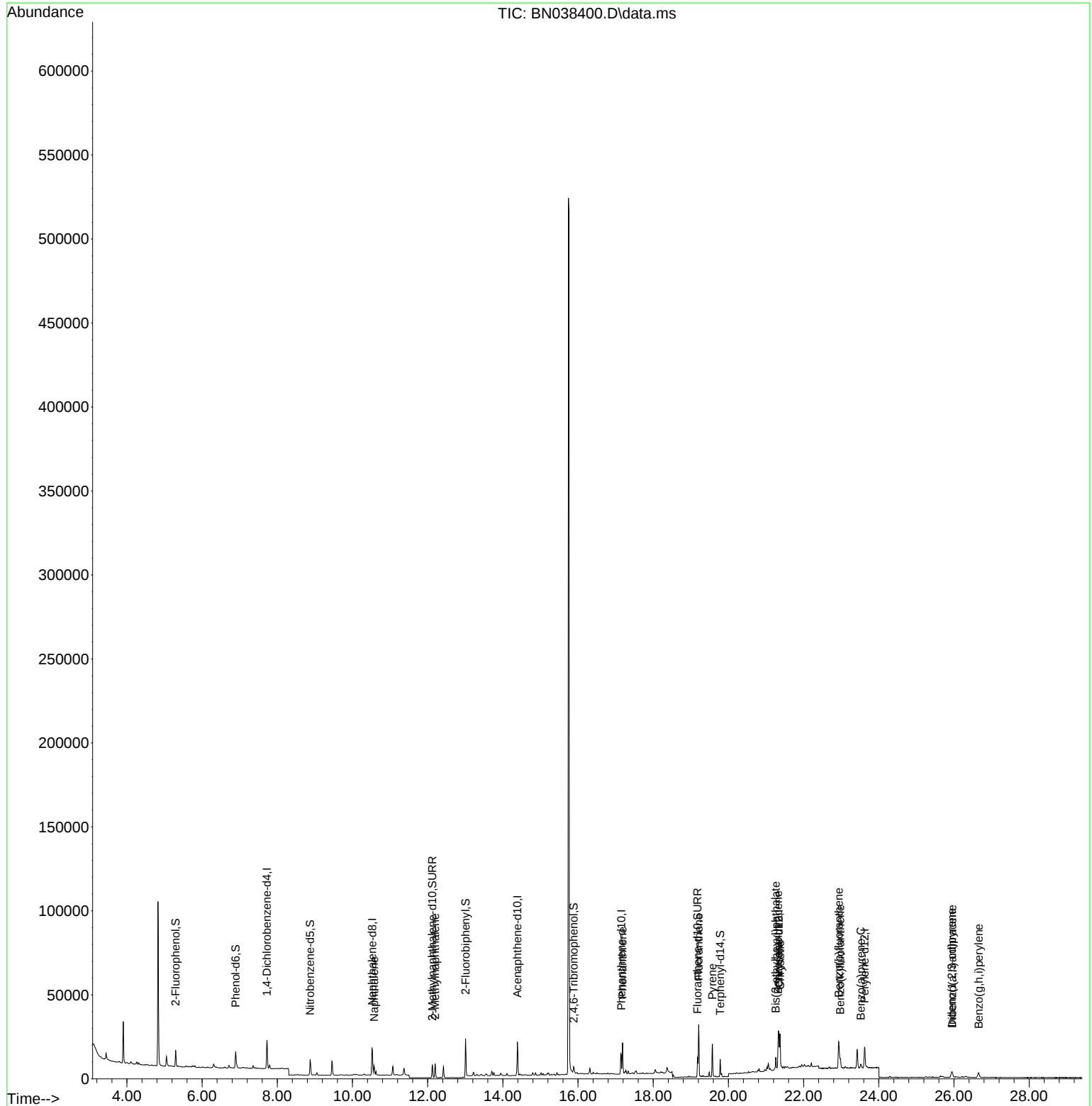
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
Data File : BN038400.D
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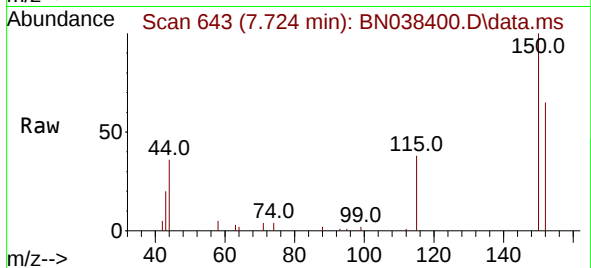
Quant Time: Dec 15 12:50:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 643
Delta R.T. 0.000 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

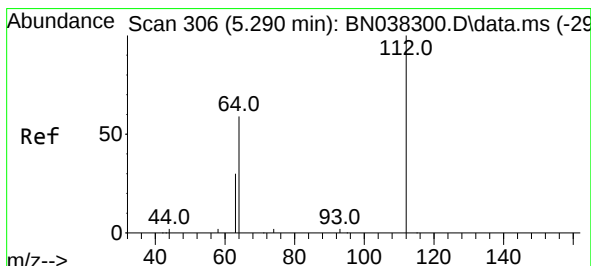
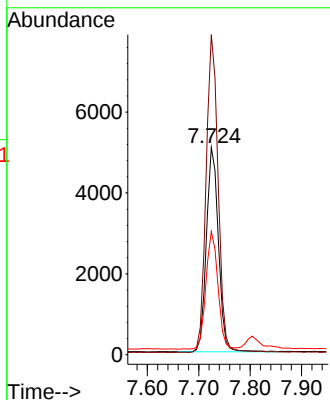
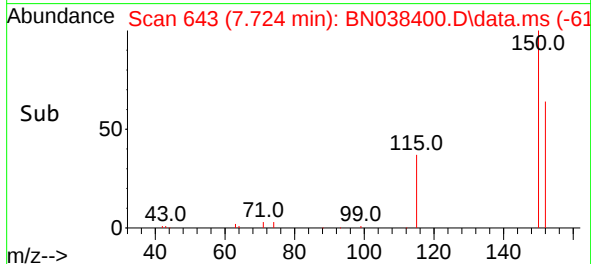
Instrument :
BNA_N
ClientSampleId :
COAM5



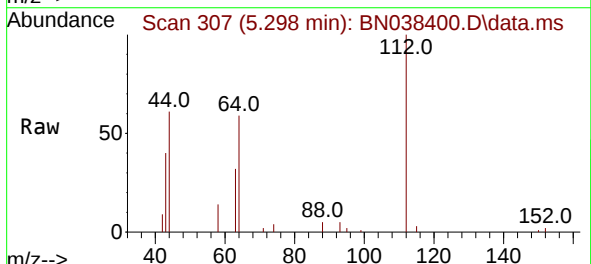
Tgt Ion:152 Resp: 824
Ion Ratio Lower Upper
152 100
150 154.4 122.4 183.6
115 59.4 47.3 70.9

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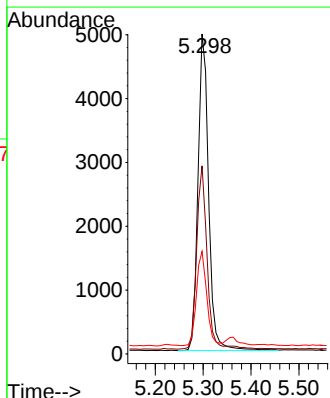
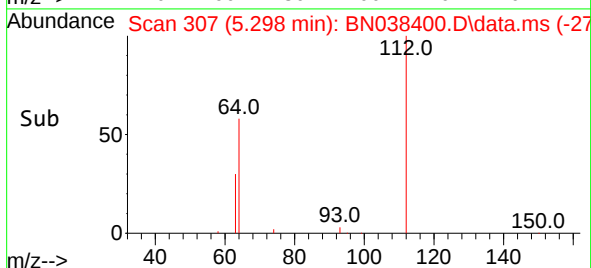
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

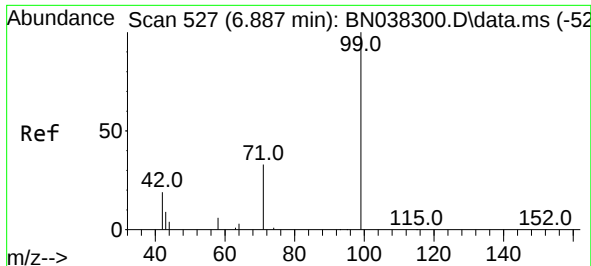


#4
2-Fluorophenol
Concen: 0.371 ng
RT: 5.298 min Scan# 307
Delta R.T. 0.007 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19



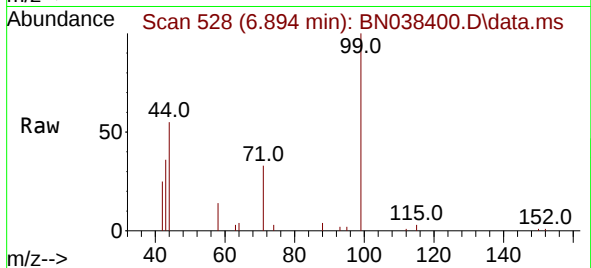
Tgt Ion:112 Resp: 7630
Ion Ratio Lower Upper
112 100
64 57.5 44.4 66.6
63 28.9 23.4 35.0





#5
Phenol-d6
Concen: 0.373 ng
RT: 6.894 min Scan# 511
Delta R.T. 0.007 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

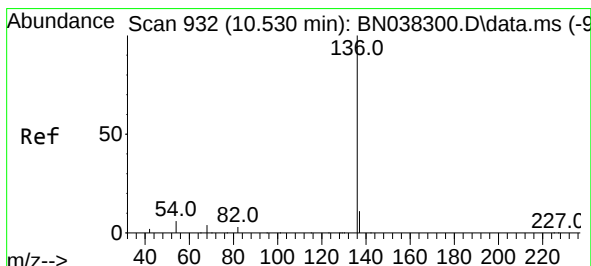
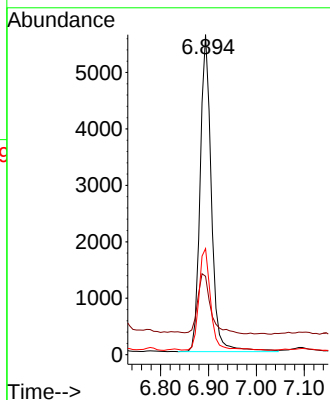
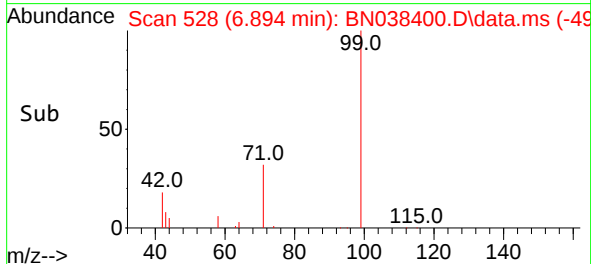
Instrument :
BNA_N
ClientSampleId :
COAM5



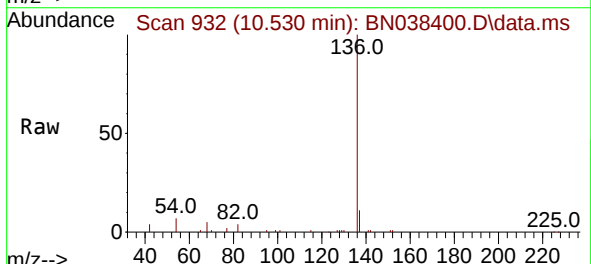
Tgt Ion: 99 Resp: 911
Ion Ratio Lower Upper
99 100
42 21.9 16.5 24.7
71 33.6 24.9 37.3

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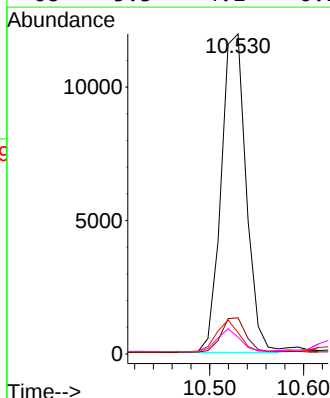
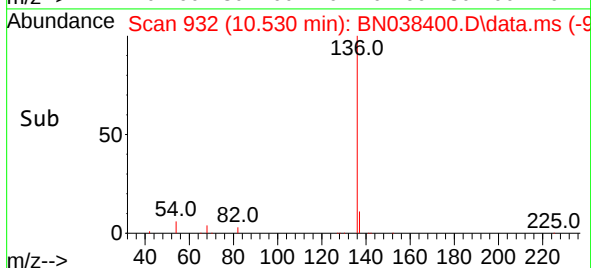
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Supervised By :Jagrut Upadhyay 12/16/2025



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. 0.000 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19



Tgt Ion:136 Resp: 22049
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 6.7 5.2 7.8
68 5.3 4.1 6.1





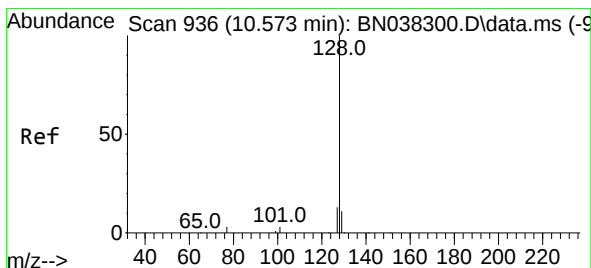
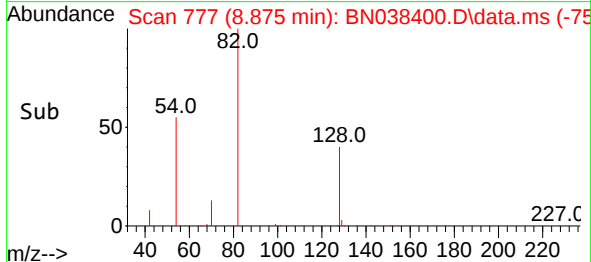
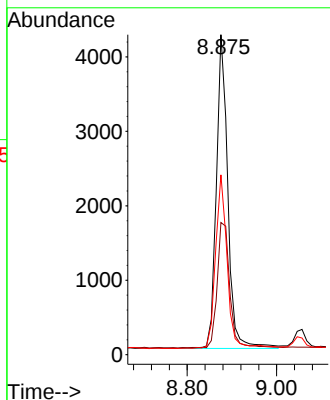
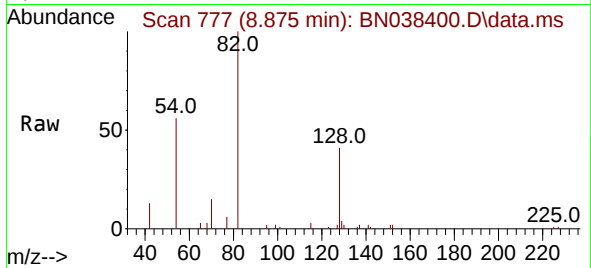
#8
Nitrobenzene-d5
Concen: 0.405 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

Instrument :
BNA_N
ClientSampleId :
COAM5

Tgt Ion: 82 Resp: 752
Ion Ratio Lower Upper
82 100
128 41.3 34.0 51.0
54 56.2 44.4 66.6

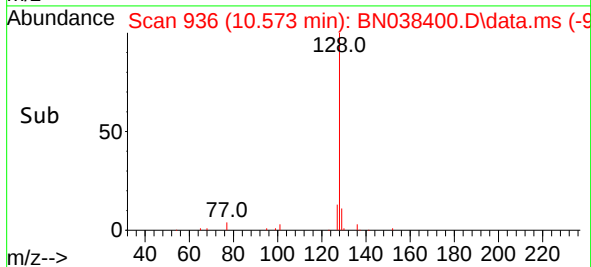
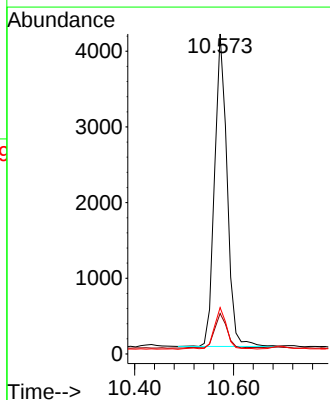
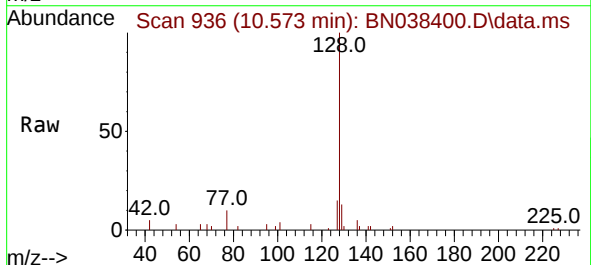
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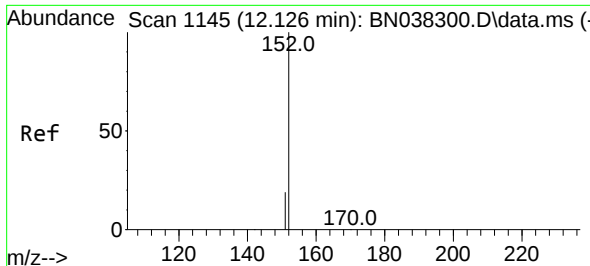
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Supervised By :Jagrut Upadhyay 12/16/2025



#9
Naphthalene
Concen: 0.111 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

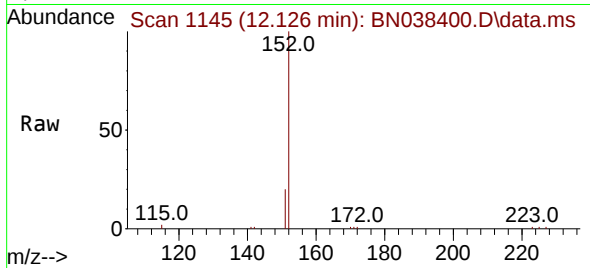
Tgt Ion:128 Resp: 7228
Ion Ratio Lower Upper
128 100
129 12.6 9.1 13.7
127 14.5 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.333 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

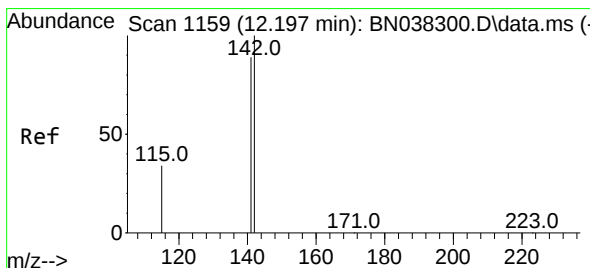
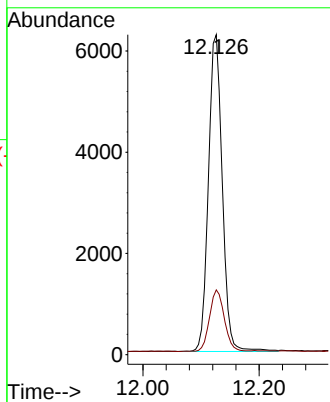
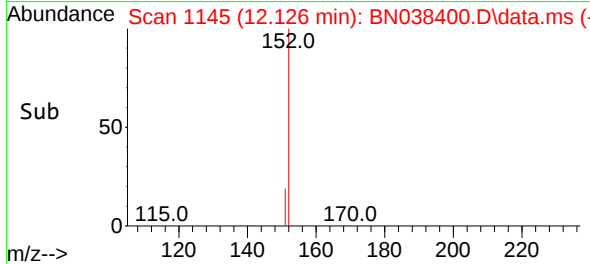
Instrument :
BNA_N
ClientSampleId :
C0AM5



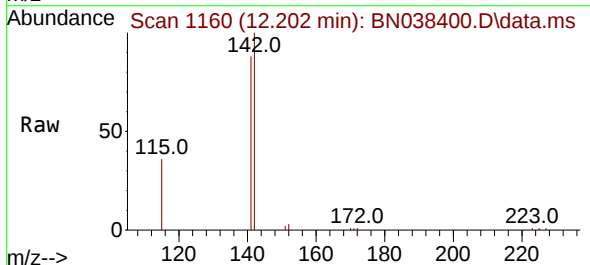
Tgt Ion:152 Resp: 10340
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6

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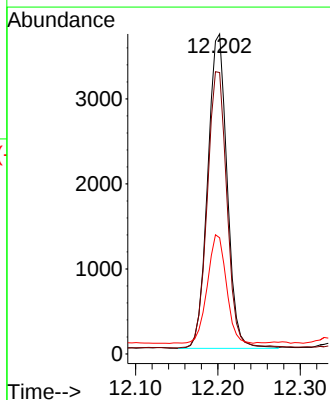
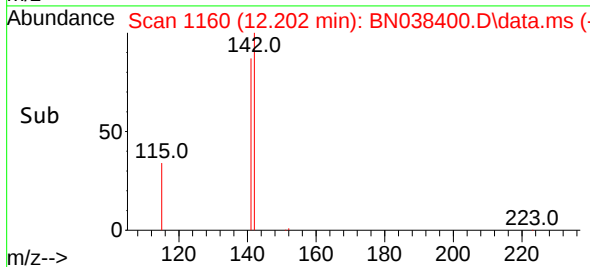
Reviewed By :Rahul Chavli 12/16/2025
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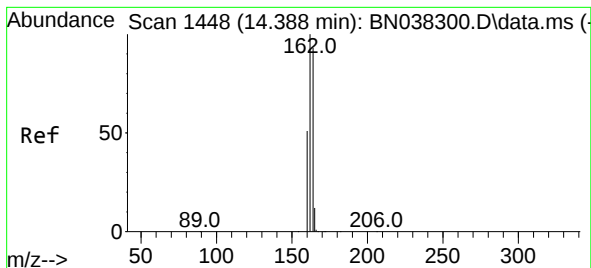


#12
2-Methylnaphthalene
Concen: 0.146 ng
RT: 12.202 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19



Tgt Ion:142 Resp: 6045
Ion Ratio Lower Upper
142 100
141 87.9 71.4 107.2
115 36.3 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: BN038400.D

Acq: 15 Dec 2025 12:19

Instrument :

BNA_N

ClientSampleId :

COAM5

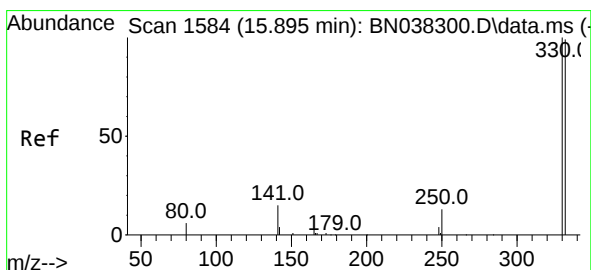
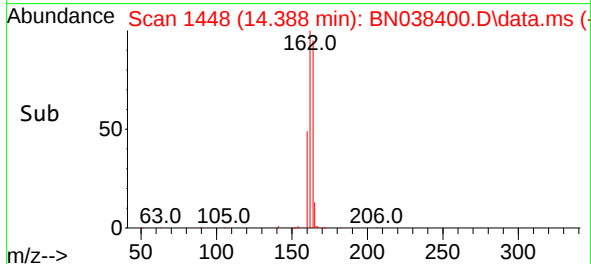
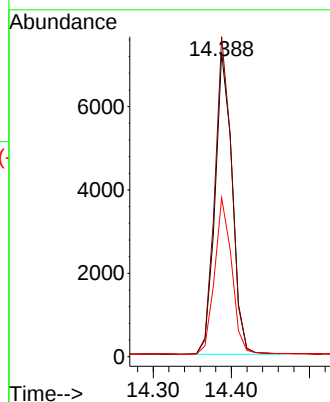
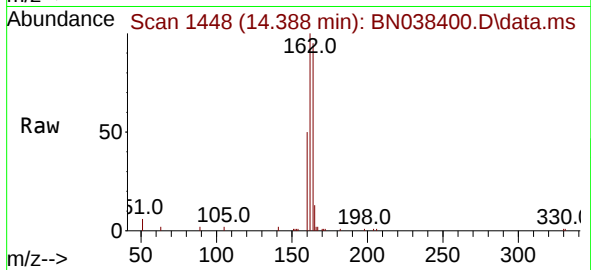
Tgt Ion:	164	Resp:	1104
Ion Ratio	Lower	Upper	
164	100		
162	105.2	86.2	129.4
160	52.2	44.6	67.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 12/16/2025



#14

2,4,6-Tribromophenol

Concen: 0.344 ng

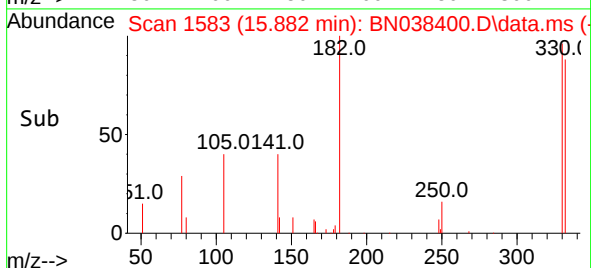
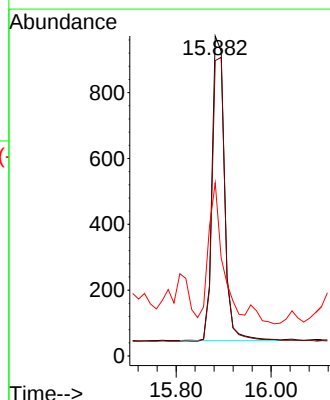
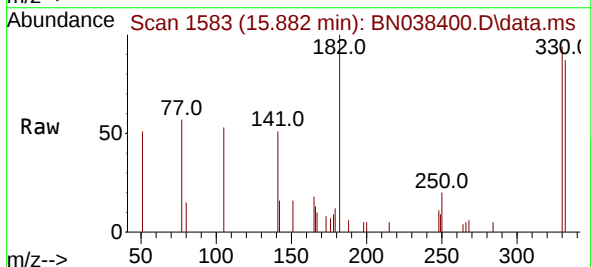
RT: 15.882 min Scan# 1583

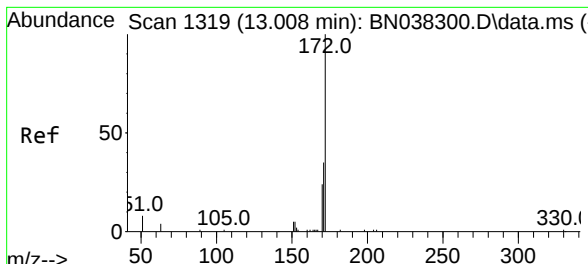
Delta R.T. -0.012 min

Lab File: BN038400.D

Acq: 15 Dec 2025 12:19

Tgt Ion:	330	Resp:	1686
Ion Ratio	Lower	Upper	
330	100		
332	96.4	75.8	113.6
141	50.9	31.8	47.8





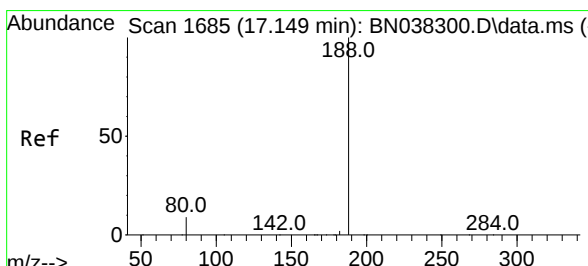
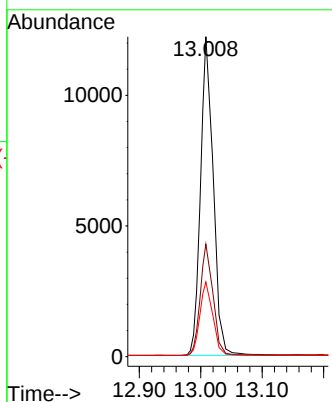
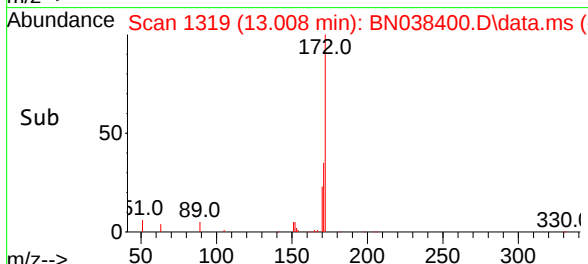
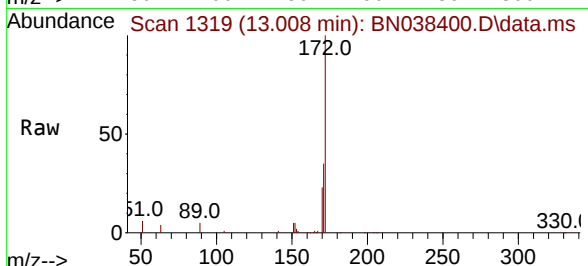
#15
 2-Fluorobiphenyl
 Concen: 0.373 ng
 RT: 13.008 min Scan# 1319
 Delta R.T. 0.000 min
 Lab File: BN038400.D
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Tgt Ion:	172	Resp:	1982
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.6	42.8
170	23.4	19.3	28.9

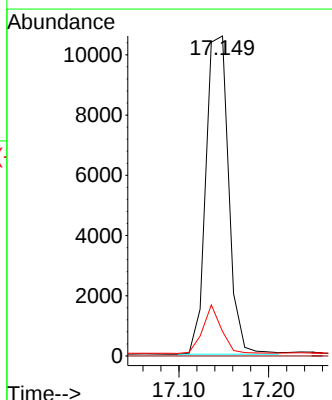
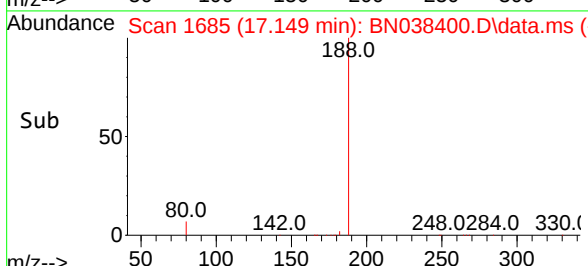
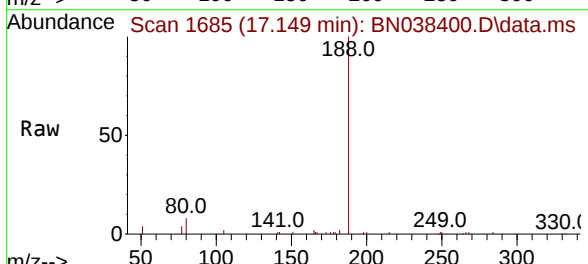
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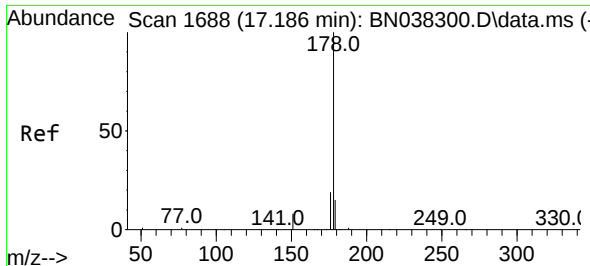
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.149 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: BN038400.D
 Acq: 15 Dec 2025 12:19

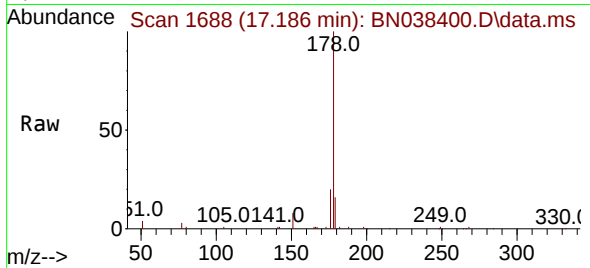
Tgt Ion:	188	Resp:	18585
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.6	7.4	11.0





#25
Phenanthrene
Concen: 0.292 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

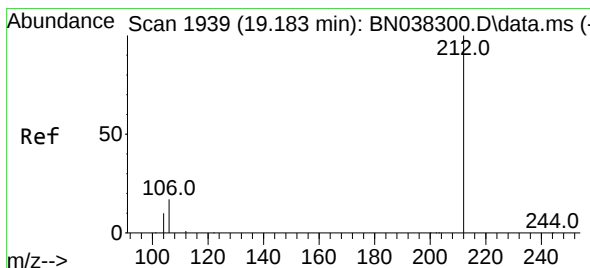
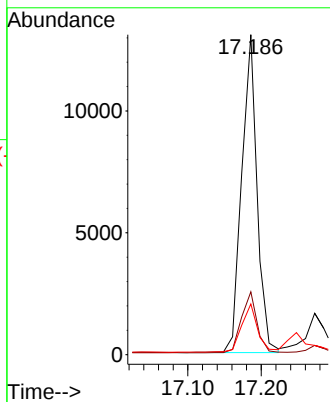
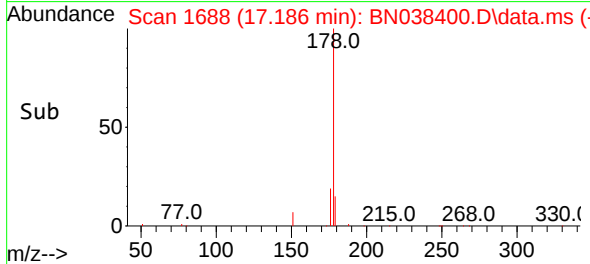
Instrument :
BNA_N
ClientSampleId :
C0AM5



Tgt Ion:178 Resp: 18910
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 16.1 12.2 18.2

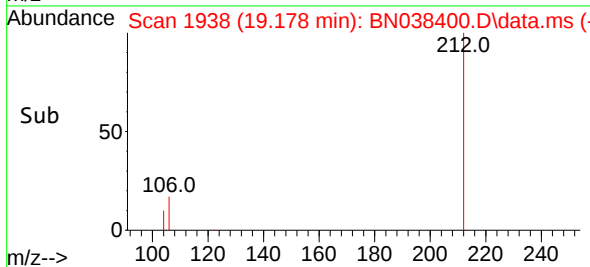
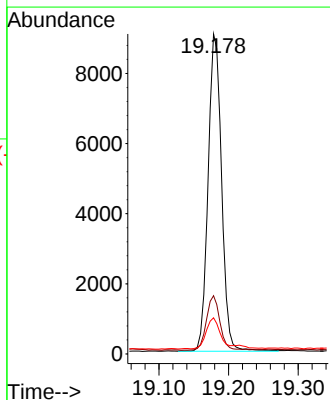
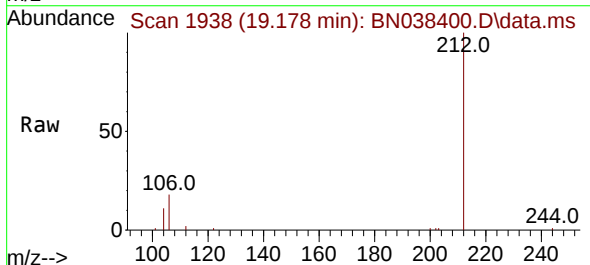
Manual Integrations
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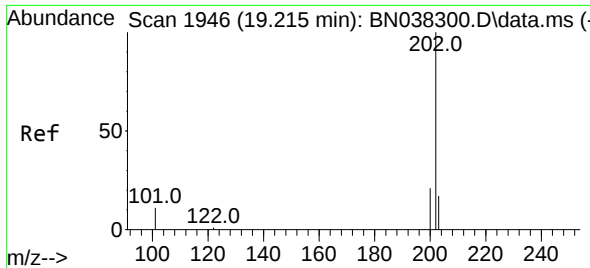
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#27
Fluoranthene-d10
Concen: 0.265 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

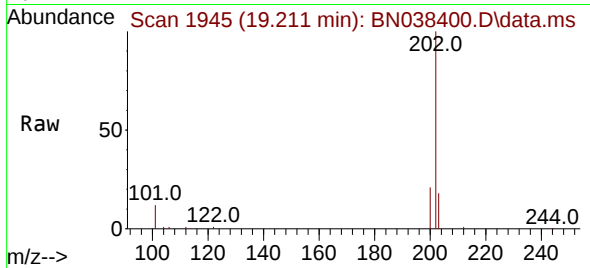
Tgt Ion:212 Resp: 12180
Ion Ratio Lower Upper
212 100
106 17.2 13.7 20.5
104 10.3 7.8 11.8





#28
Fluoranthene
Concen: 0.401 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

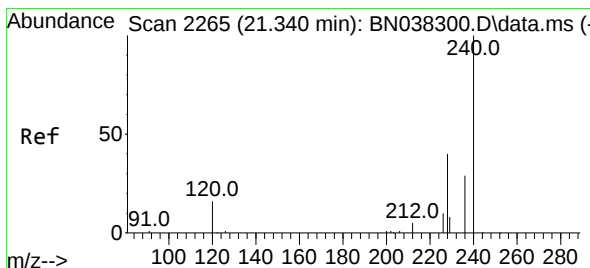
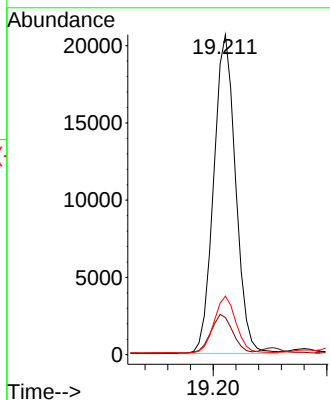
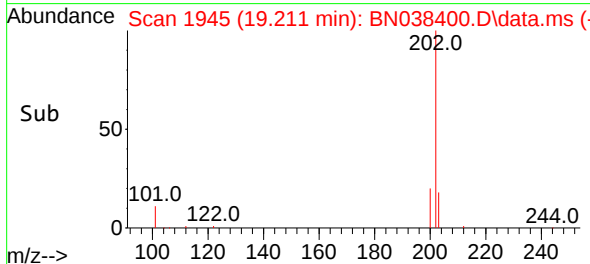
Instrument :
BNA_N
ClientSampleId :
COAM5



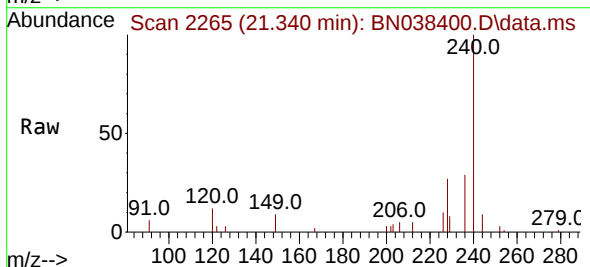
Tgt Ion:202 Resp: 27554
Ion Ratio Lower Upper
202 100
101 12.3 9.6 14.4
203 17.7 13.5 20.3

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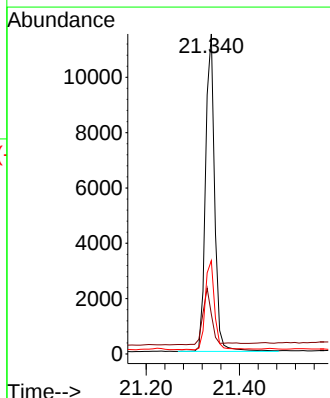
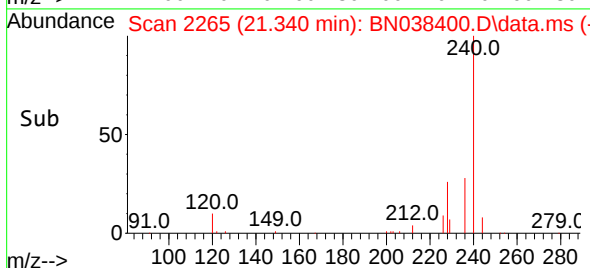
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

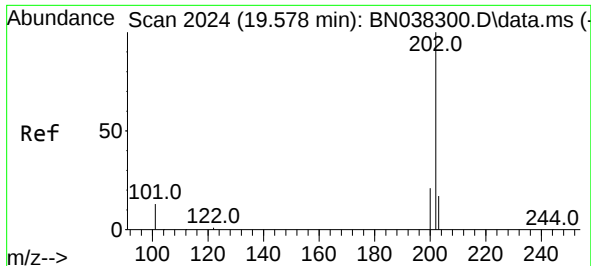


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19



Tgt Ion:240 Resp: 15604
Ion Ratio Lower Upper
240 100
120 12.4 15.4 23.2#
236 29.2 23.9 35.9





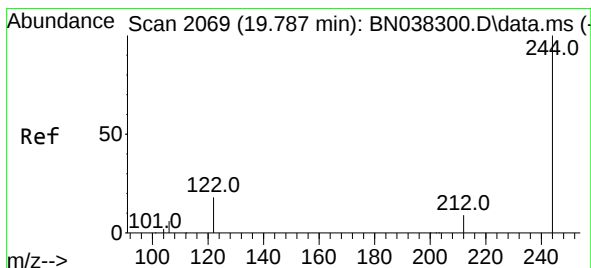
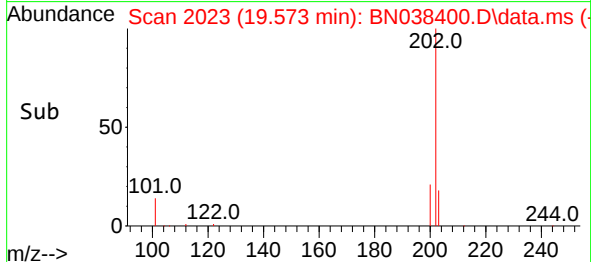
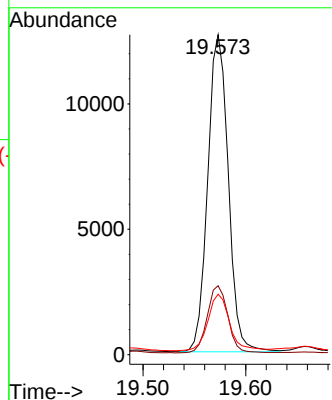
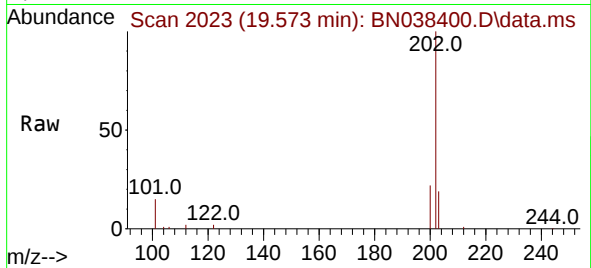
#30
Pyrene
Concen: 0.229 ng
RT: 19.573 min Scan# 2024
Delta R.T. -0.009 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

Instrument :
BNA_N
ClientSampleId :
COAM5

Tgt Ion:202 Resp: 1757
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 18.6 14.2 21.2

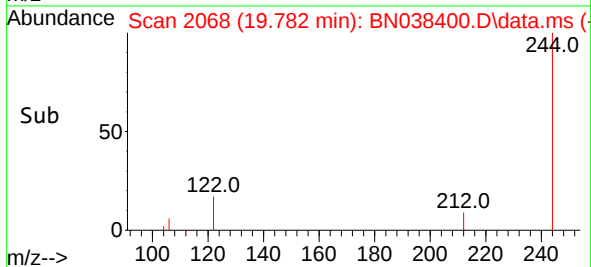
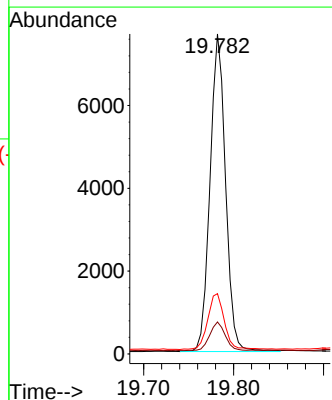
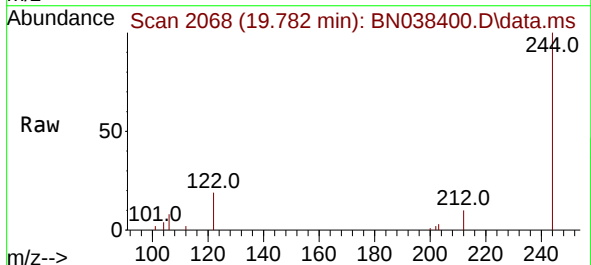
Manual Integrations
APPROVED

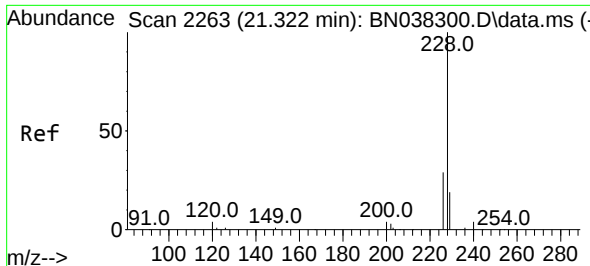
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#31
Terphenyl-d14
Concen: 0.264 ng
RT: 19.782 min Scan# 2068
Delta R.T. -0.009 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

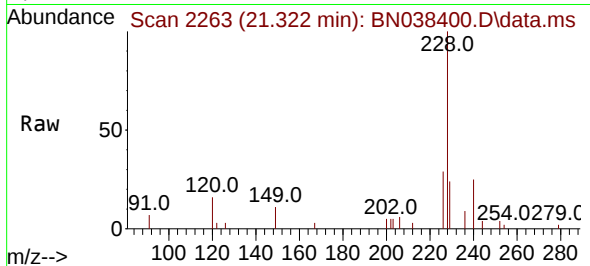
Tgt Ion:244 Resp: 9197
Ion Ratio Lower Upper
244 100
212 10.0 7.9 11.9
122 18.9 15.0 22.6





#32
Benzo(a)anthracene
Concen: 0.228 ng m
RT: 21.322 min Scan# 2132
Delta R.T. -0.009 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

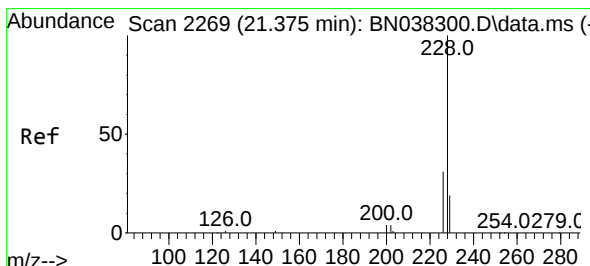
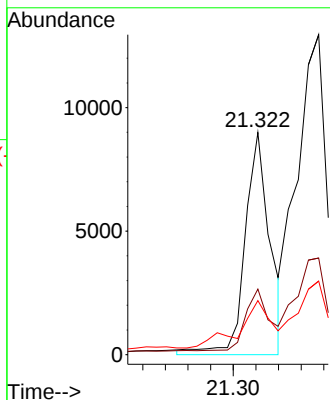
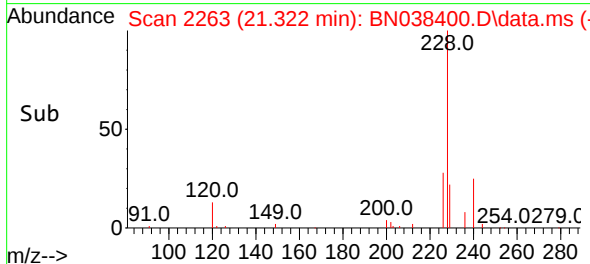
Instrument :
BNA_N
ClientSampleId :
COAM5



Tgt Ion:228 Resp: 13724
Ion Ratio Lower Upper
228 100
226 29.5 23.3 34.9
229 24.3 15.7 23.5

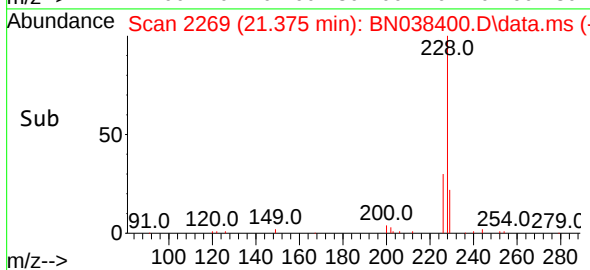
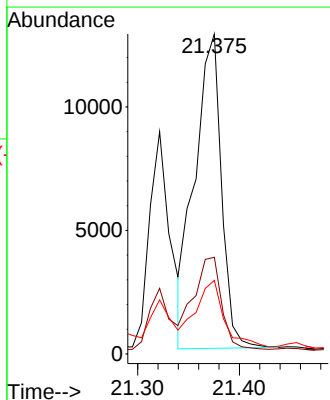
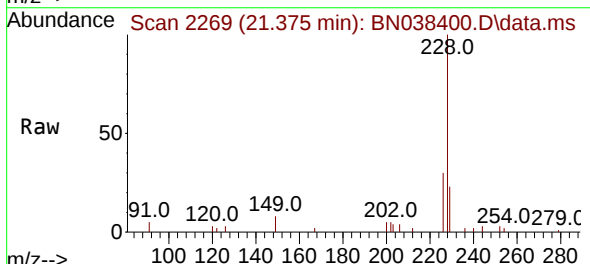
Manual Integrations
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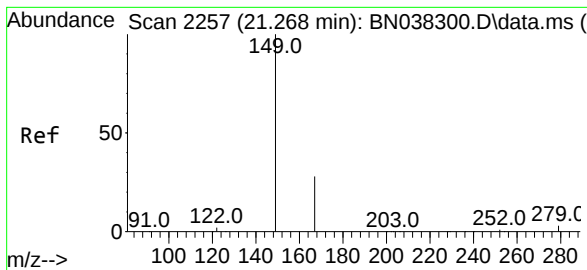
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#33
Chrysene
Concen: 0.350 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

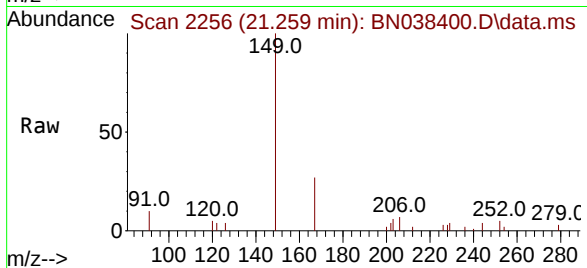
Tgt Ion:228 Resp: 23229
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.4
229 23.0 15.5 23.3





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.197 ng
 RT: 21.259 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN038400.D
 Acq: 15 Dec 2025 12:19

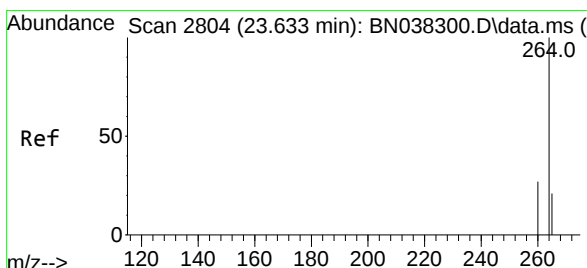
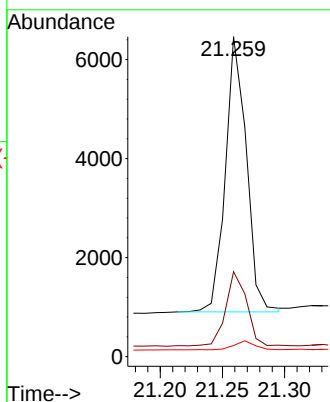
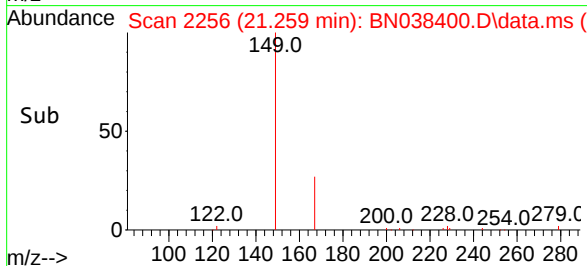
Instrument :
 BNA_N
 ClientSampleId :
 COAM5



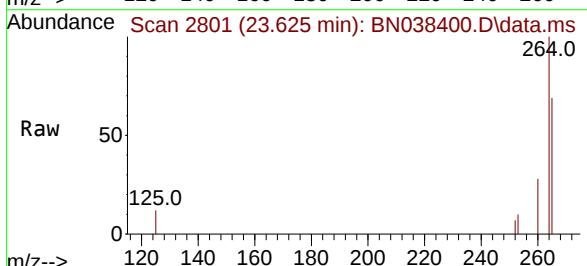
Tgt Ion:149 Resp: 6509
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.4 32.0
 279 3.2 2.4 3.6

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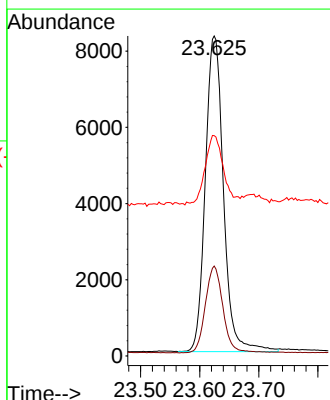
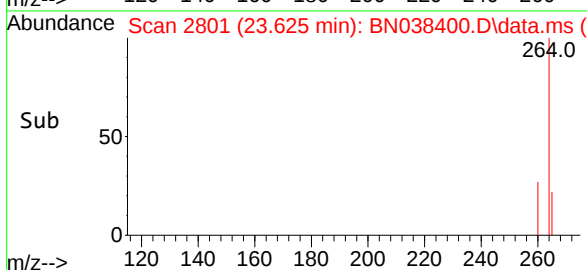
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

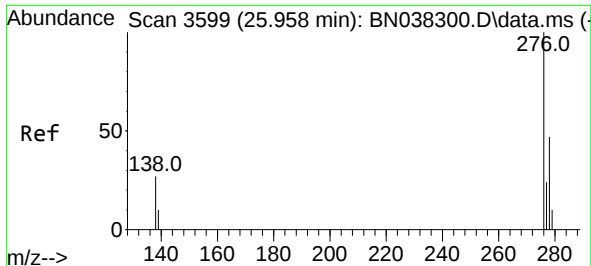


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.625 min Scan# 2801
 Delta R.T. -0.009 min
 Lab File: BN038400.D
 Acq: 15 Dec 2025 12:19



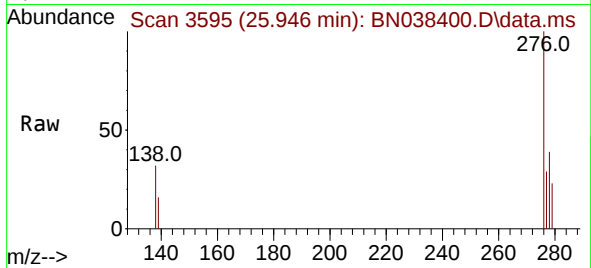
Tgt Ion:264 Resp: 17669
 Ion Ratio Lower Upper
 264 100
 260 28.1 22.2 33.2
 265 68.9 80.2 120.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.056 ng
RT: 25.946 min Scan# 3595
Delta R.T. -0.018 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

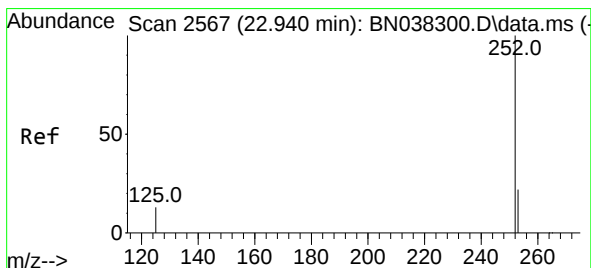
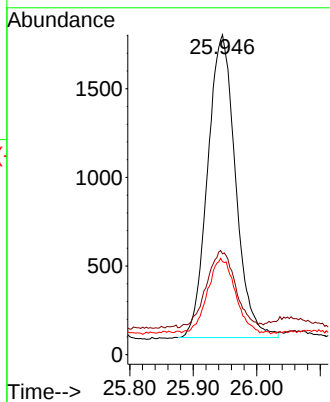
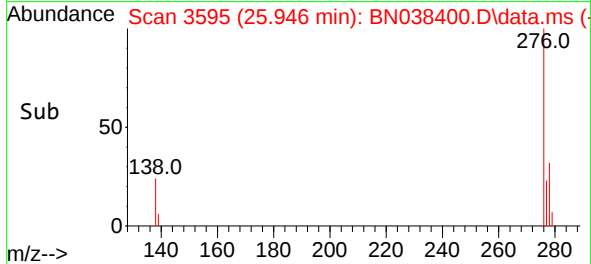
Instrument :
BNA_N
ClientSampleId :
COAM5



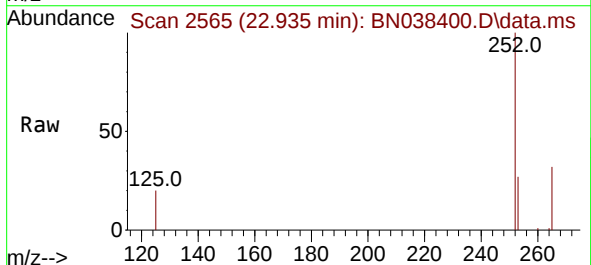
Tgt Ion:276 Resp: 5204
Ion Ratio Lower Upper
276 100
138 26.7 23.6 35.4
277 24.2 19.7 29.5

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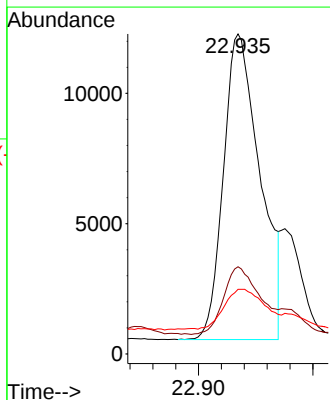
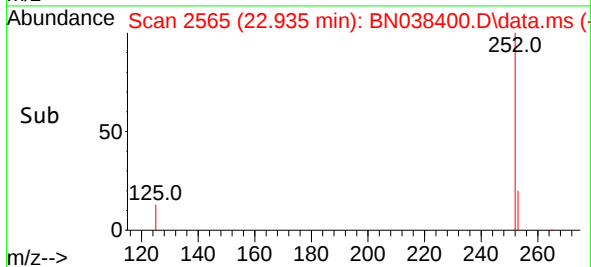
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

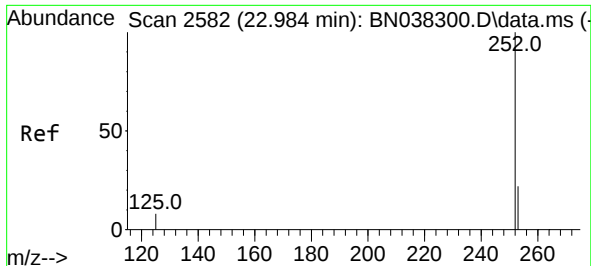


#37
Benzo(b)fluoranthene
Concen: 0.321 ng
RT: 22.935 min Scan# 2565
Delta R.T. -0.012 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19



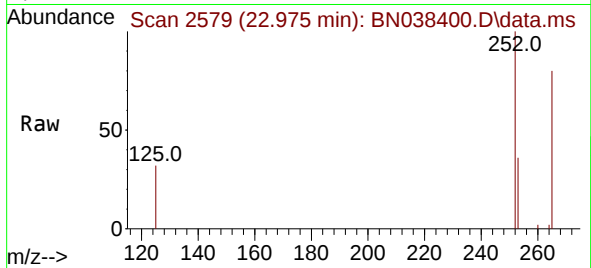
Tgt Ion:252 Resp: 26084
Ion Ratio Lower Upper
252 100
253 27.2 21.1 31.7
125 20.2 16.4 24.6





#38
Benzo(k)fluoranthene
Concen: 0.101 ng m
RT: 22.975 min Scan# 2154
Delta R.T. -0.015 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

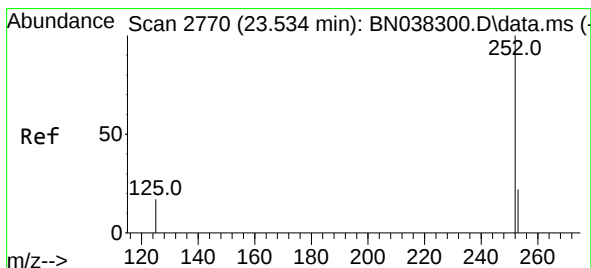
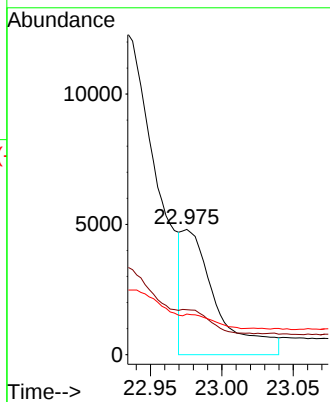
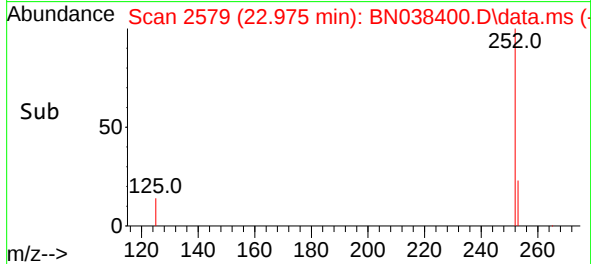
Instrument :
BNA_N
ClientSampleId :
COAM5



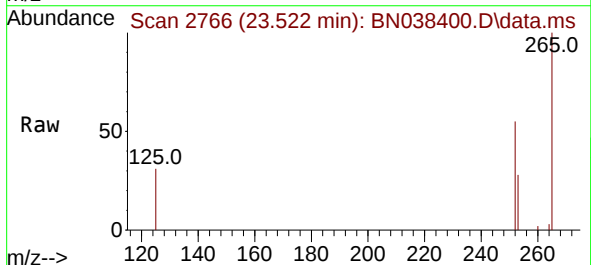
Tgt Ion:252 Resp: 8154
Ion Ratio Lower Upper
252 100
253 35.9 21.4 32.0#
125 32.4 16.2 24.2#

Manual Integrations
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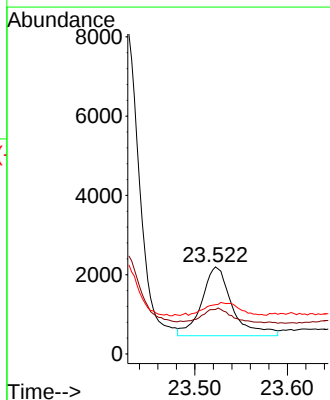
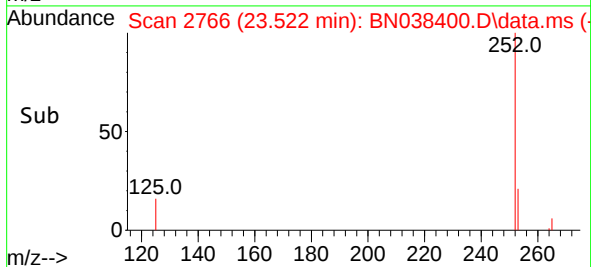
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

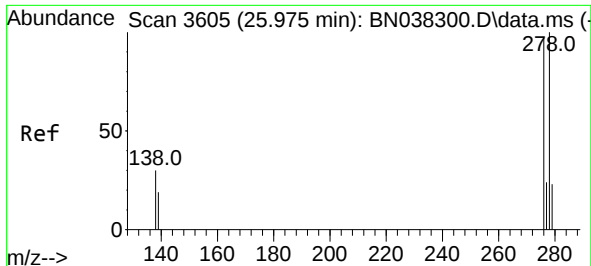


#39
Benzo(a)pyrene
Concen: 0.060 ng m
RT: 23.522 min Scan# 2766
Delta R.T. -0.012 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19



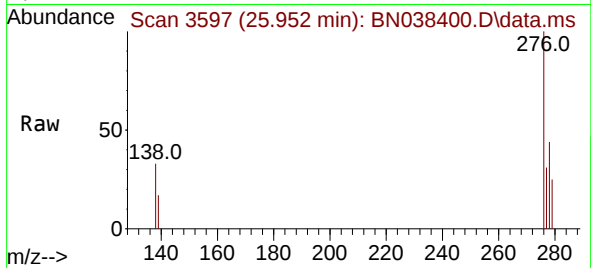
Tgt Ion:252 Resp: 3974
Ion Ratio Lower Upper
252 100
253 51.1 23.3 34.9#
125 56.6 22.4 33.6#





#40
Dibenzo(a,h)anthracene
Concen: 0.031 ng
RT: 25.952 min Scan# 31
Delta R.T. -0.029 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19

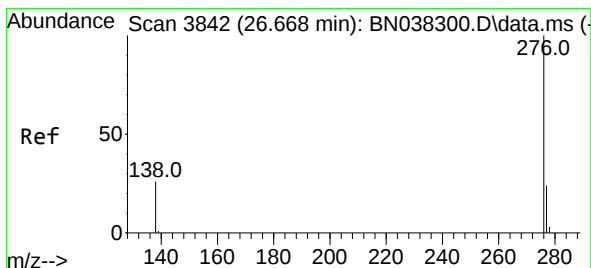
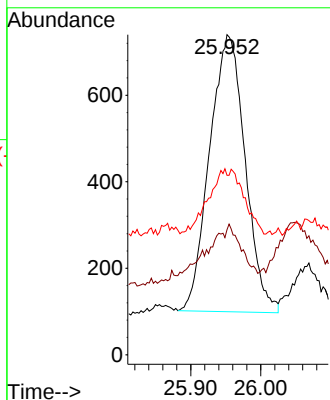
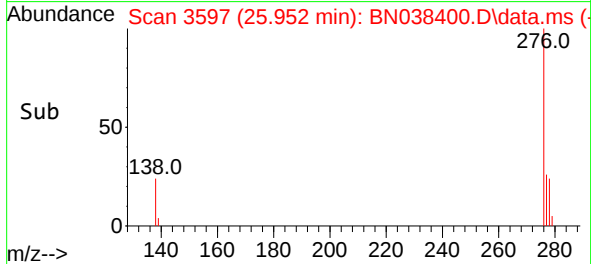
Instrument :
BNA_N
ClientSampleId :
COAM5



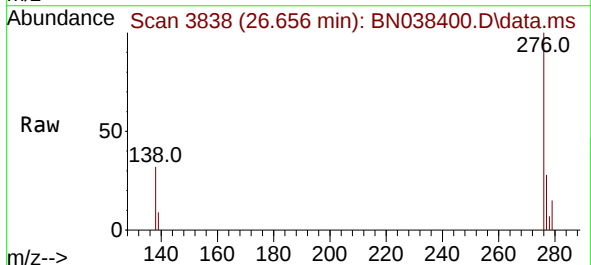
Tgt Ion:278 Resp: 2260
Ion Ratio Lower Upper
278 100
139 39.1 17.8 26.8
279 56.1 21.3 31.9

Manual Integrations
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Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#41
Benzo(g,h,i)perylene
Concen: 0.069 ng
RT: 26.656 min Scan# 3838
Delta R.T. -0.020 min
Lab File: BN038400.D
Acq: 15 Dec 2025 12:19



Tgt Ion:276 Resp: 5585
Ion Ratio Lower Upper
276 100
277 28.3 20.0 30.0
138 31.6 21.8 32.6

