

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038374.D
 Acq On : 13 Dec 2025 06:06
 Operator : RC/JU
 Sample : Q3839-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS3

Manual Integrations
 APPROVED

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

Quant Time: Dec 14 22:20:32 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	5844	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	15730	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8324	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13963	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	12342	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	12975	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	3791	0.260	ng	0.00
5) Phenol-d6	6.887	99	4294	0.248	ng	0.00
8) Nitrobenzene-d5	8.875	82	3575	0.269	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	5144	0.232	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	845	0.229	ng	-0.01
15) 2-Fluorobiphenyl	13.004	172	10502	0.262	ng	0.00
27) Fluoranthene-d10	19.178	212	7324	0.212	ng	0.00
31) Terphenyl-d14	19.782	244	6197	0.225	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.562	128	65044	1.399	ng	100
12) 2-Methylnaphthalene	12.192	142	57970	1.964	ng	99
16) Acenaphthylene	14.110	152	3332	0.082	ng	# 65
17) Acenaphthene	14.452	154	993	0.035	ng	# 32
18) Fluorene	15.435	166	2048	0.056	ng	# 92
25) Phenanthrene	17.186	178	97831	2.013	ng	100
26) Anthracene	17.273	178	5827m	0.139	ng	
28) Fluoranthene	19.211	202	50733	0.982	ng	95
30) Pyrene	19.573	202	55808	0.919	ng	97
32) Benzo(a)anthracene	21.322	228	32402m	0.680	ng	
33) Chrysene	21.367	228	65052m	1.239	ng	
34) Bis(2-ethylhexyl)phtha...	21.259	149	2054	0.079	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.940	276	13879	0.202	ng	95
37) Benzo(b)fluoranthene	22.932	252	28220	0.474	ng	95
38) Benzo(k)fluoranthene	22.973	252	9333m	0.157	ng	
39) Benzo(a)pyrene	23.519	252	16975	0.348	ng	96
40) Dibenzo(a,h)anthracene	25.943	278	3395	0.064	ng	# 60
41) Benzo(g,h,i)perylene	26.648	276	15429	0.260	ng	99

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

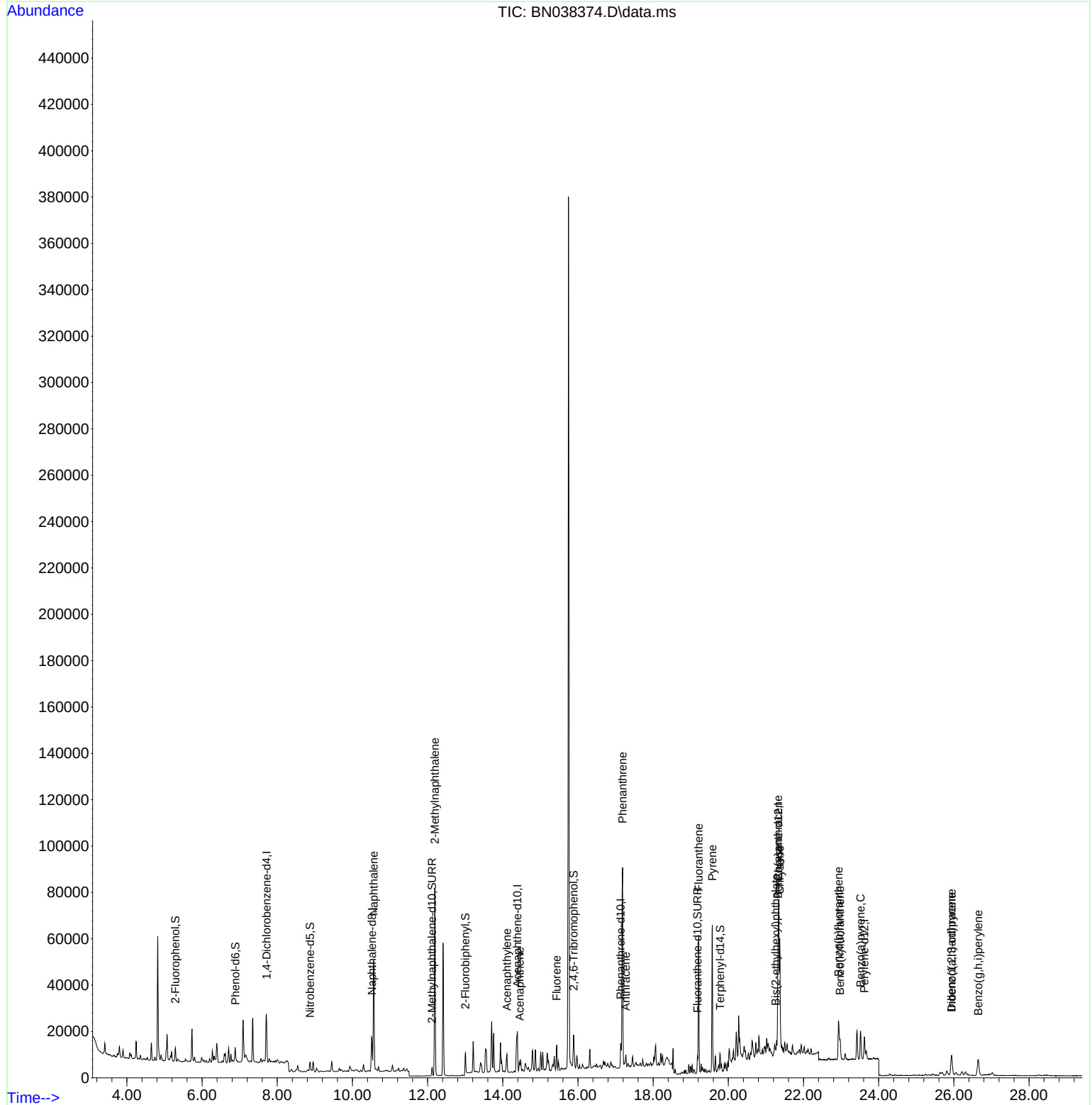
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038374.D
Acq On : 13 Dec 2025 06:06
Operator : RC/JU
Sample : Q3839-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

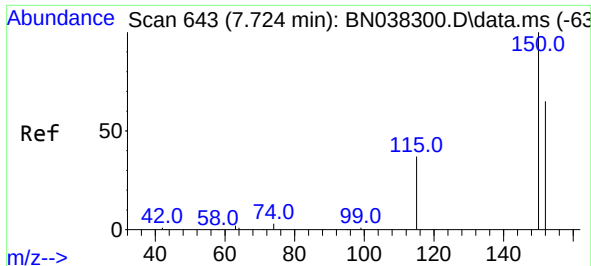
Instrument :
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ClientSampleId :
C0AS3

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

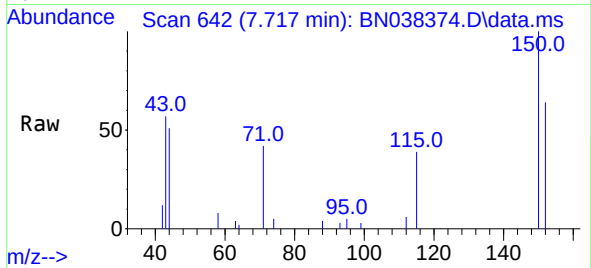
Quant Time: Dec 14 22:20:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 643
Delta R.T. -0.007 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

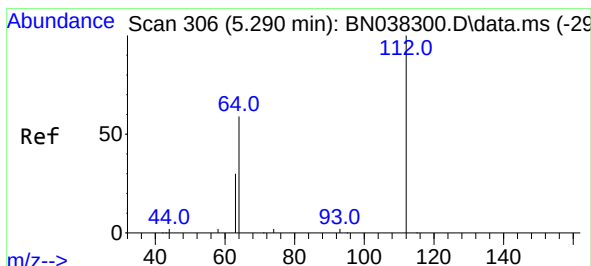
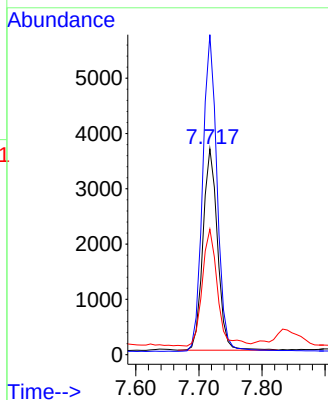
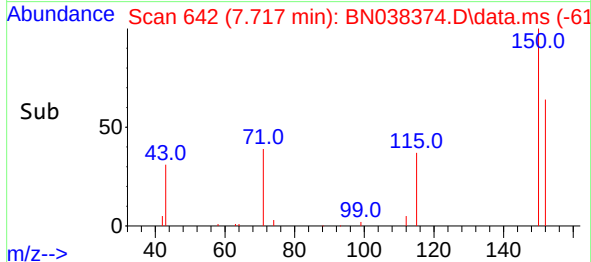
Instrument :
BNA_N
ClientSampleId :
C0AS3



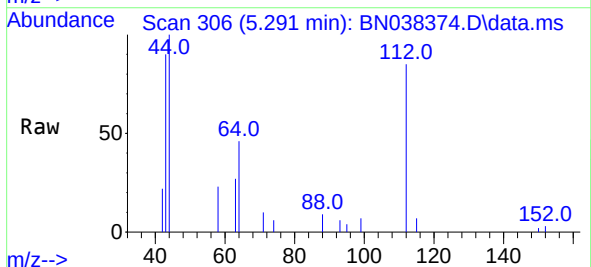
Tgt Ion:152 Resp: 584
Ion Ratio Lower Upper
152 100
150 155.4 122.4 183.6
115 60.9 47.3 70.9

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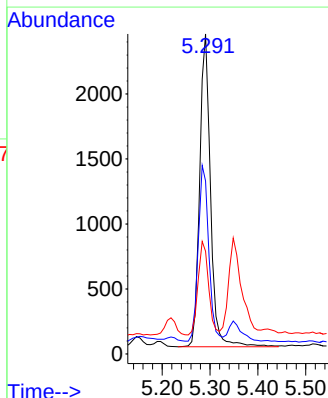
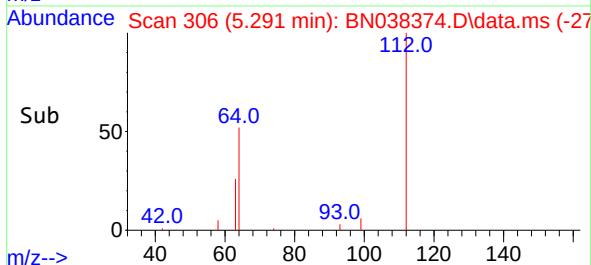
Reviewed By :Rahul Chavli 12/15/2025
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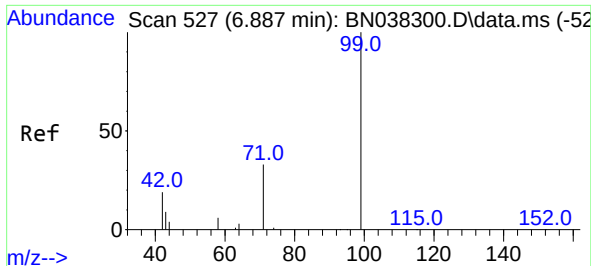


#4
2-Fluorophenol
Concen: 0.260 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06



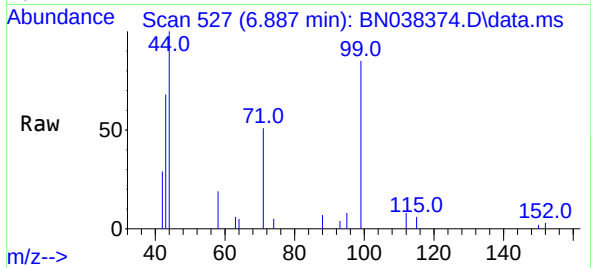
Tgt Ion:112 Resp: 3791
Ion Ratio Lower Upper
112 100
64 55.2 44.4 66.6
63 28.8 23.4 35.0





#5
Phenol-d6
Concen: 0.248 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

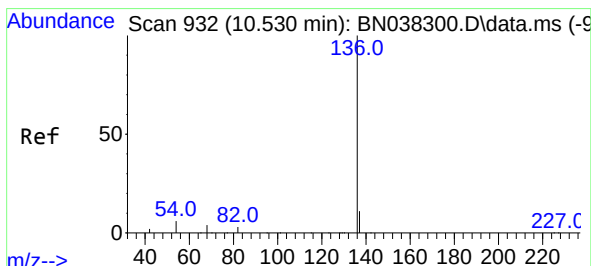
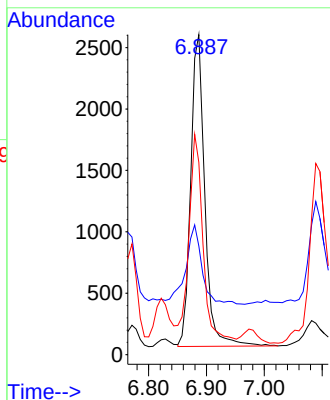
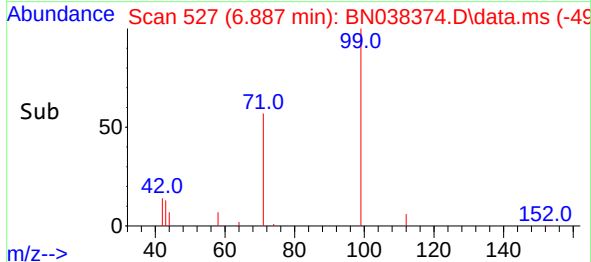
Instrument :
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ClientSampleId :
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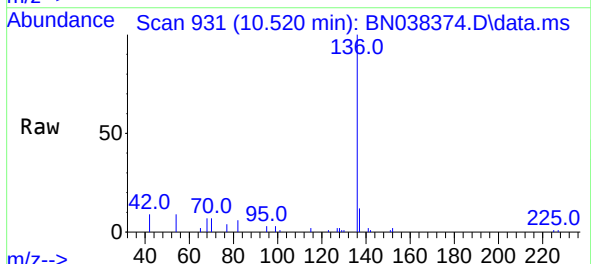
Tgt Ion: 99 Resp: 4294
Ion Ratio Lower Upper
99 100
42 29.3 16.5 24.7
71 67.0 24.9 37.3

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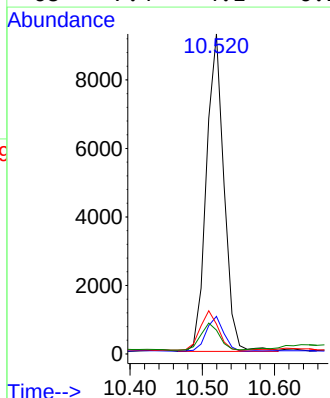
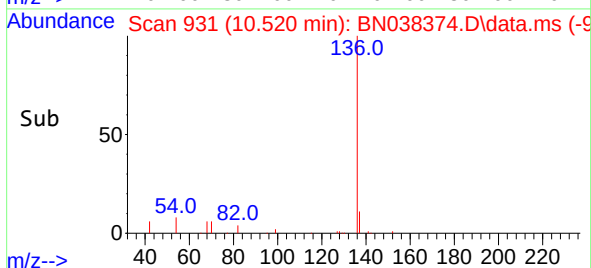
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

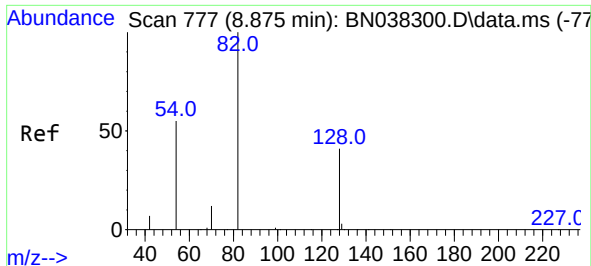


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06



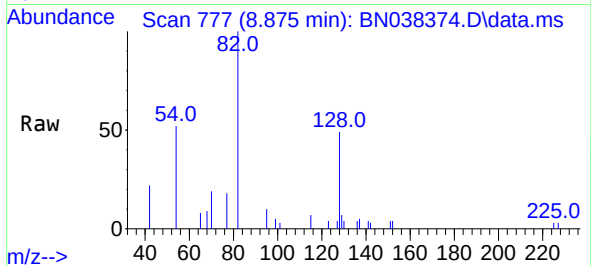
Tgt Ion:136 Resp: 15730
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 9.4 5.2 7.8#
68 7.4 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.269 ng
RT: 8.875 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

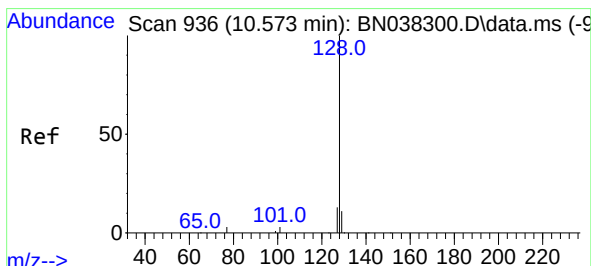
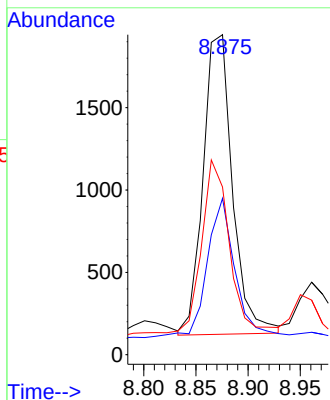
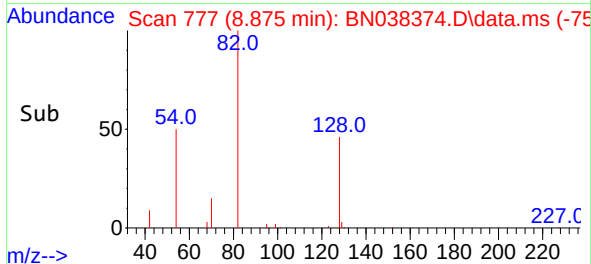
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 82 Resp: 357
Ion Ratio Lower Upper
82 100
128 48.8 34.0 51.0
54 52.4 44.4 66.6

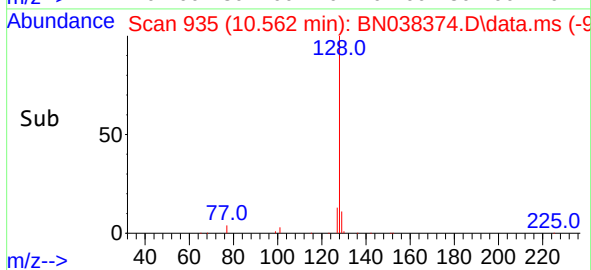
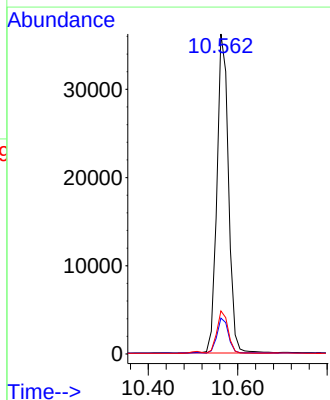
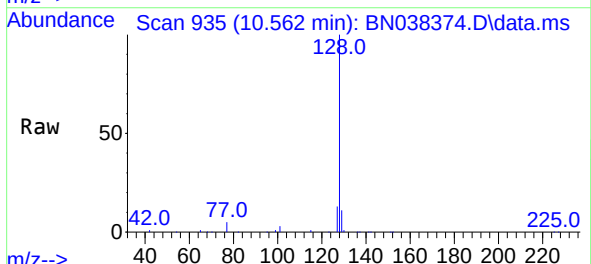
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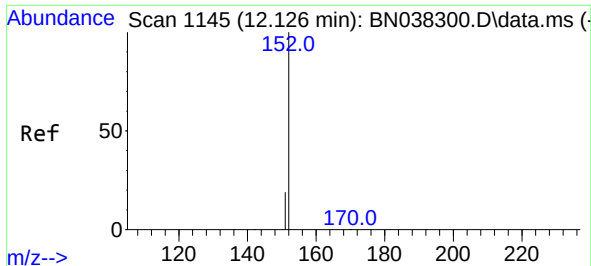
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#9
Naphthalene
Concen: 1.399 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

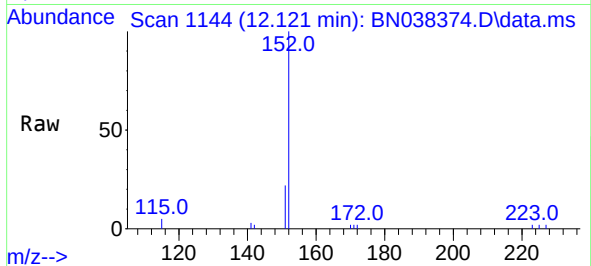
Tgt Ion:128 Resp: 65044
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.4 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.232 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

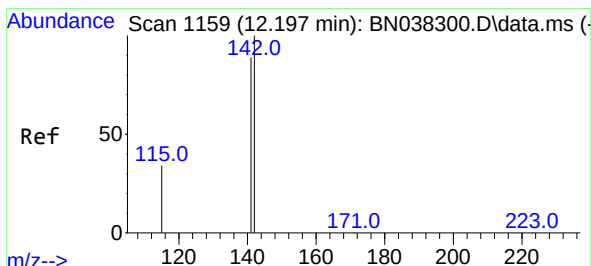
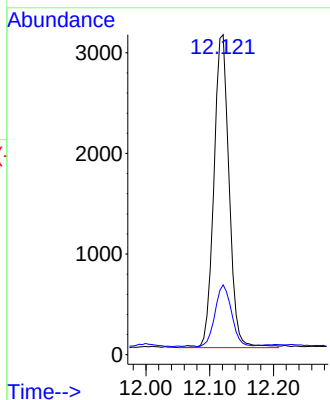
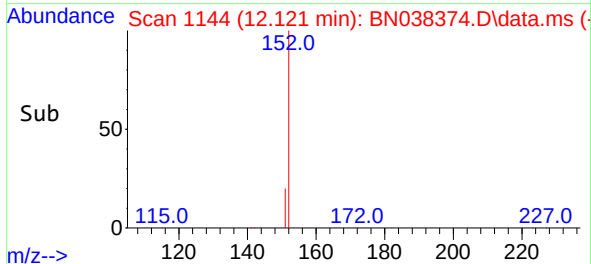
Instrument :
BNA_N
ClientSampleId :
C0AS3



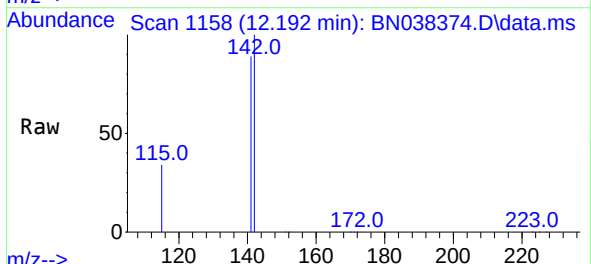
Tgt Ion:152 Resp: 5144
Ion Ratio Lower Upper
152 100
151 21.6 17.0 25.6

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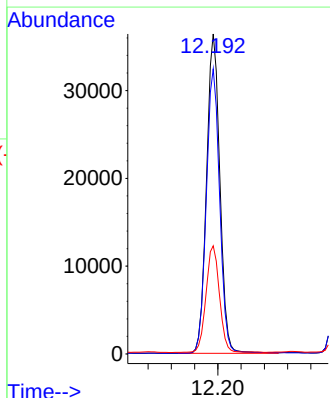
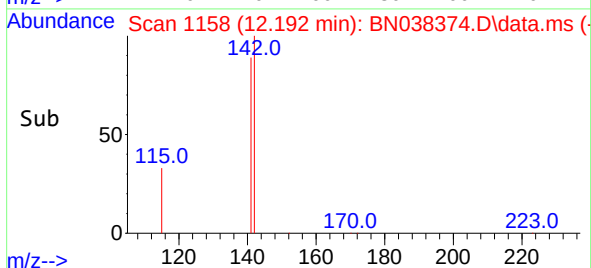
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

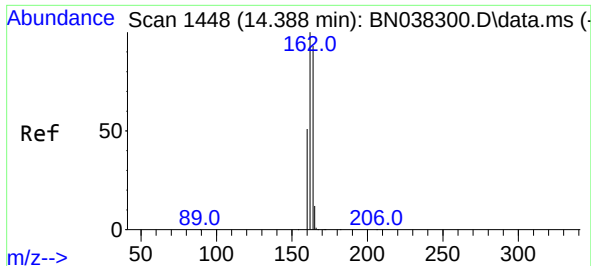


#12
2-Methylnaphthalene
Concen: 1.964 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06



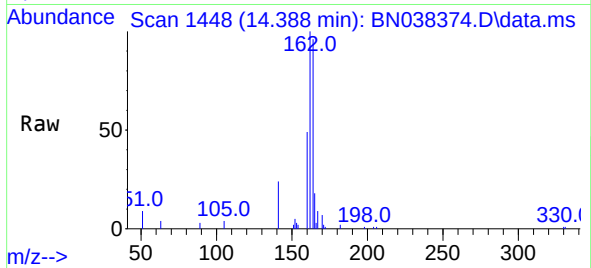
Tgt Ion:142 Resp: 57970
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.2
115 33.8 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

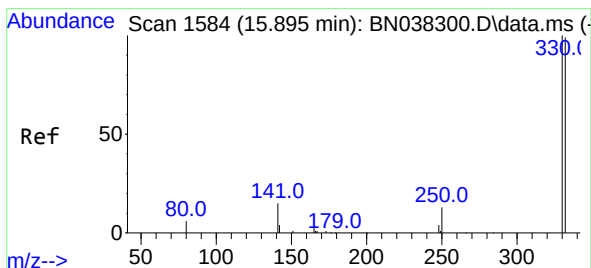
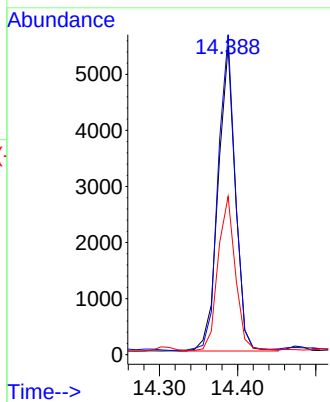
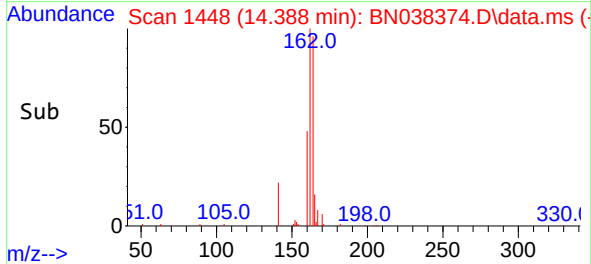
Instrument :
BNA_N
ClientSampleId :
C0AS3



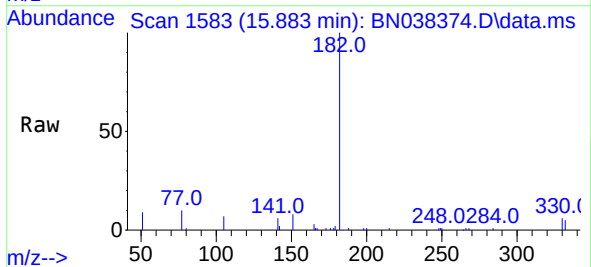
Tgt Ion:164 Resp: 8324
Ion Ratio Lower Upper
164 100
162 103.7 86.2 129.4
160 51.3 44.6 67.0

Manual Integrations
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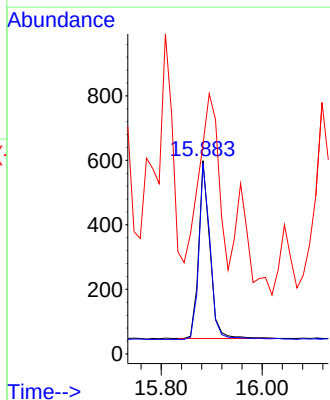
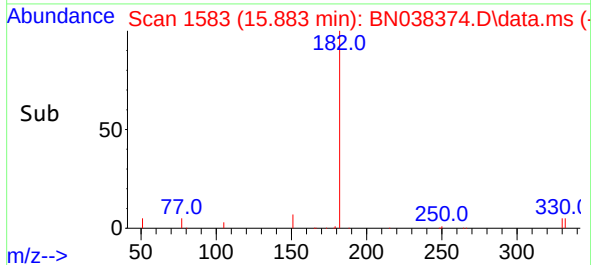
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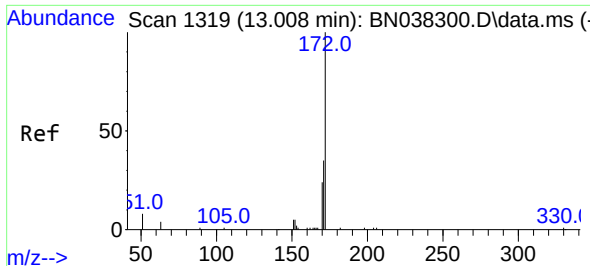


#14
2,4,6-Tribromophenol
Concen: 0.229 ng
RT: 15.883 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06



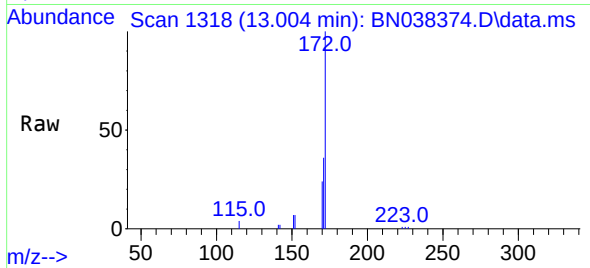
Tgt Ion:330 Resp: 845
Ion Ratio Lower Upper
330 100
332 100.1 75.8 113.6
141 186.5 31.8 47.8#





#15
2-Fluorobiphenyl
Concen: 0.262 ng
RT: 13.004 min Scan# 1319
Delta R.T. -0.005 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

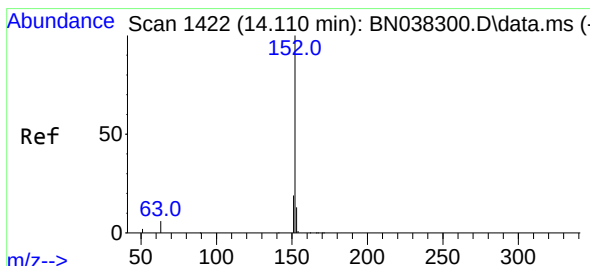
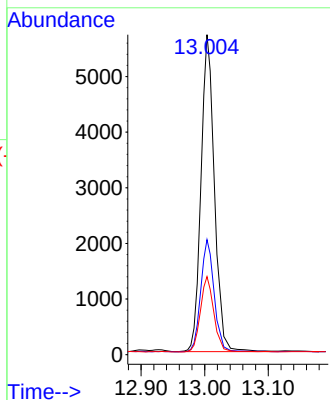
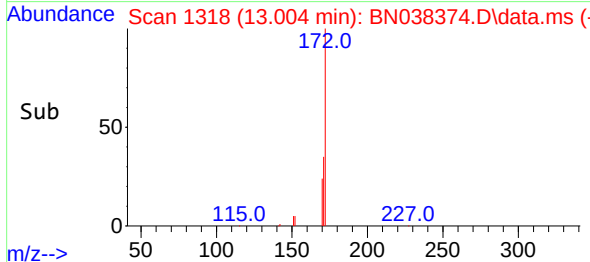
Instrument :
BNA_N
ClientSampleId :
C0AS3



Tgt Ion:172 Resp: 1050
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 24.4 19.3 28.9

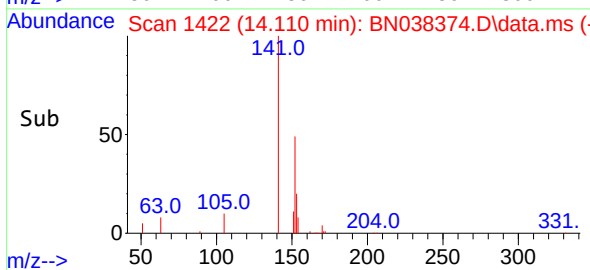
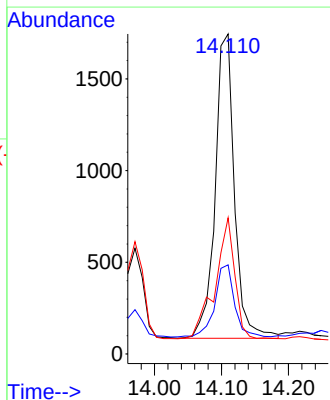
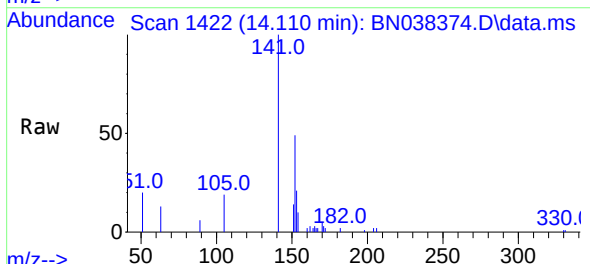
Manual Integrations
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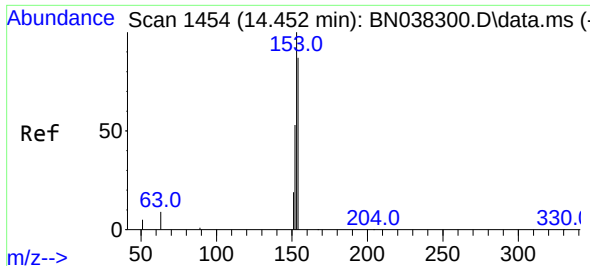
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#16
Acenaphthylene
Concen: 0.082 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

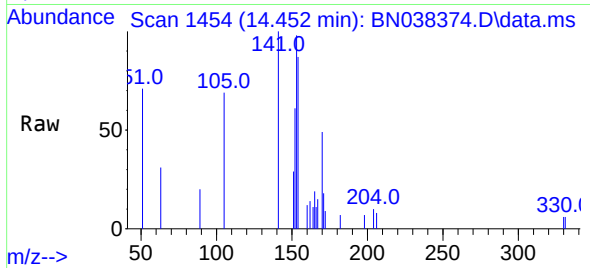
Tgt Ion:152 Resp: 3332
Ion Ratio Lower Upper
152 100
151 24.0 15.4 23.2#
153 41.8 10.2 15.4#





#17
Acenaphthene
Concen: 0.035 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

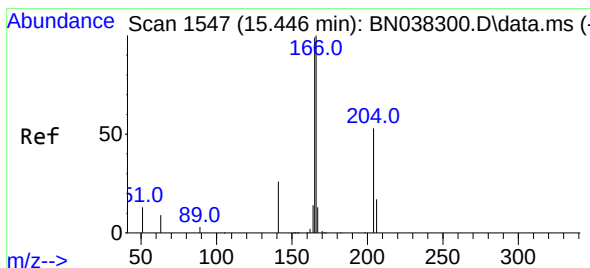
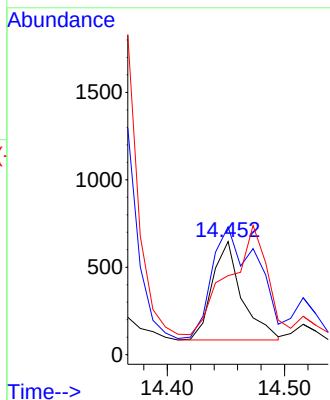
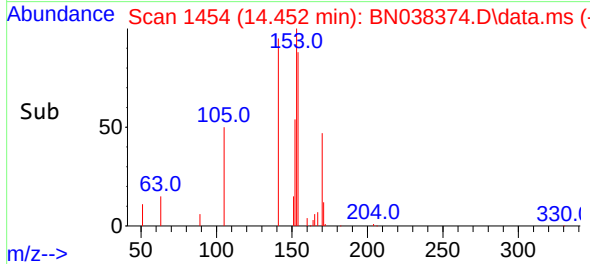
Instrument :
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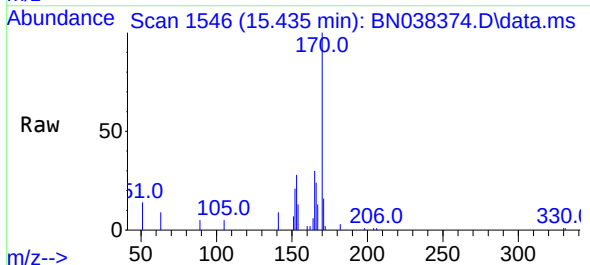
Tgt Ion:154 Resp: 99
Ion Ratio Lower Upper
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153 178.4 89.8 134.8
152 0.0 47.5 71.3

Manual Integrations
APPROVED

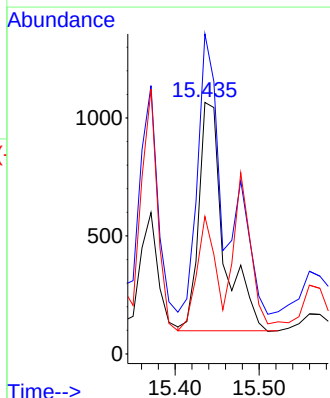
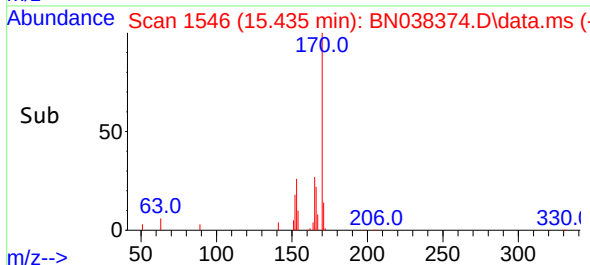
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

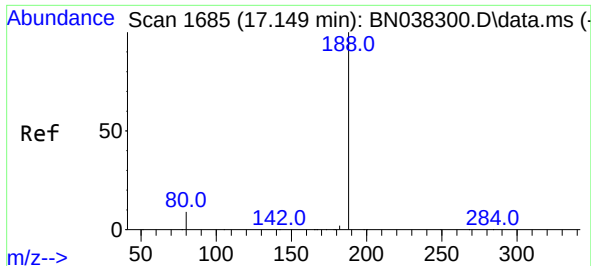


#18
Fluorene
Concen: 0.056 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06



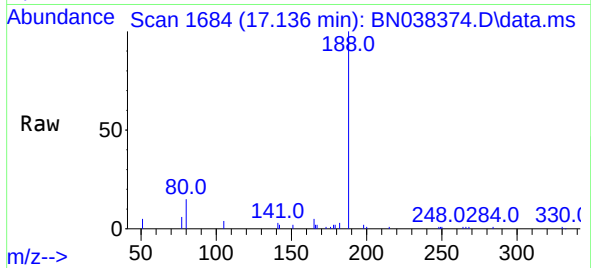
Tgt Ion:166 Resp: 2048
Ion Ratio Lower Upper
166 100
165 101.6 80.2 120.4
167 36.6 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

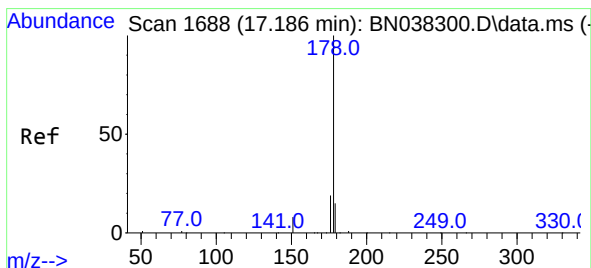
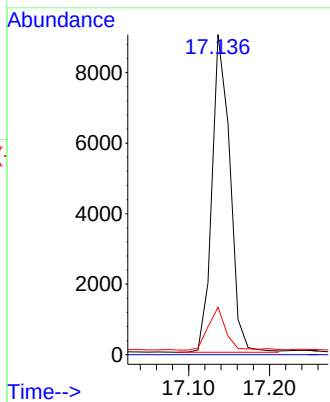
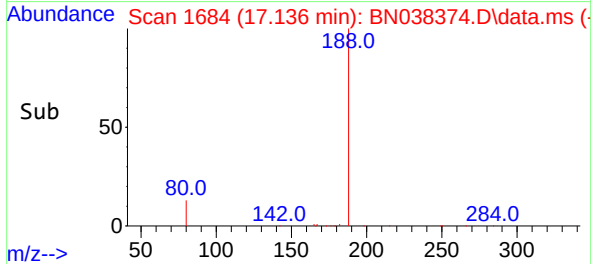
Instrument :
BNA_N
ClientSampleId :
C0AS3



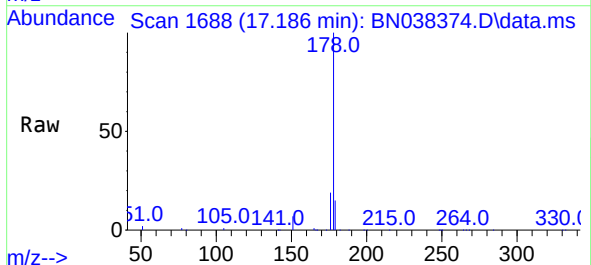
Tgt Ion:188 Resp: 1396
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.8 7.4 11.0

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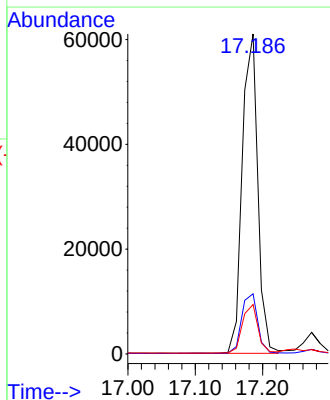
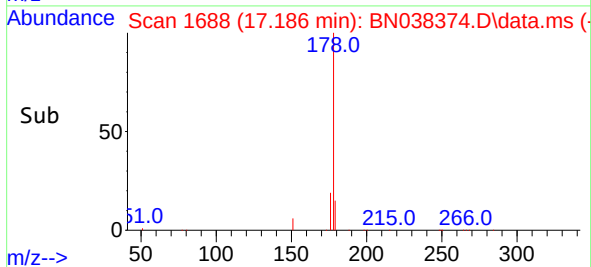
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

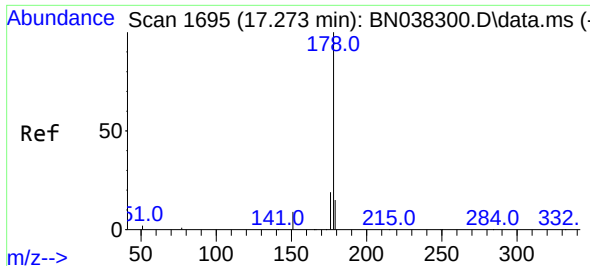


#25
Phenanthrene
Concen: 2.013 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06



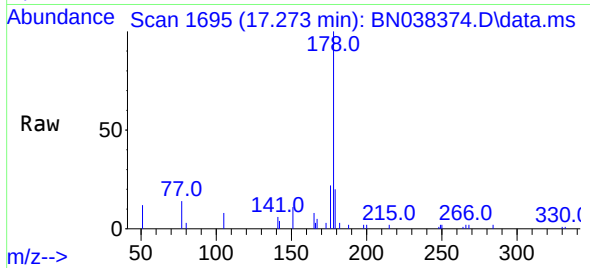
Tgt Ion:178 Resp: 97831
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.5 12.2 18.2





#26
 Anthracene
 Concen: 0.139 ng m
 RT: 17.273 min Scan# 1695
 Delta R.T. -0.012 min
 Lab File: BN038374.D
 Acq: 13 Dec 2025 06:06

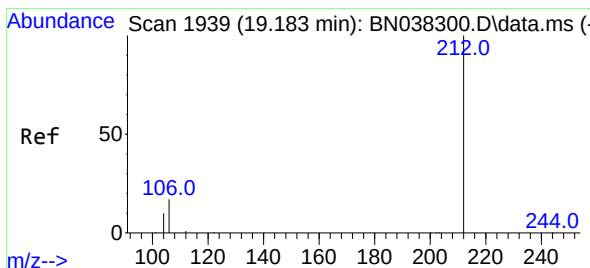
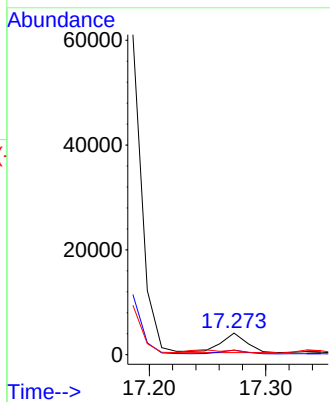
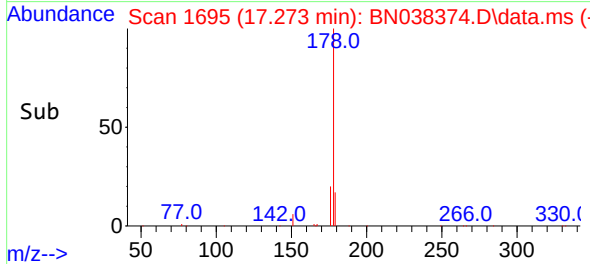
Instrument :
 BNA_N
 ClientSampleId :
 C0AS3



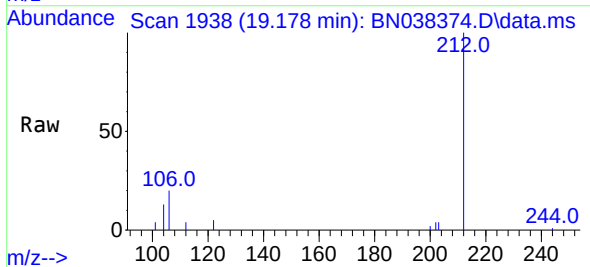
Tgt Ion:178 Resp: 5827
 Ion Ratio Lower Upper
 178 100
 176 325.1 15.1 22.7
 179 259.2 12.0 18.0

Manual Integrations
 APPROVED

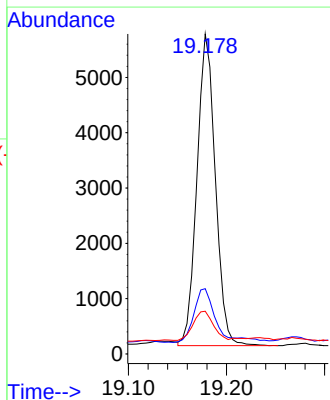
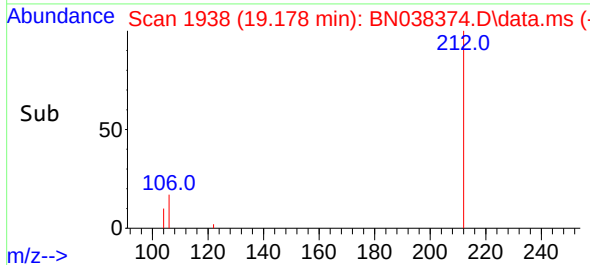
Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

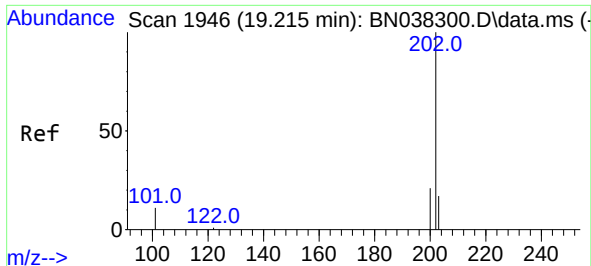


#27
 Fluoranthene-d10
 Concen: 0.212 ng
 RT: 19.178 min Scan# 1938
 Delta R.T. -0.009 min
 Lab File: BN038374.D
 Acq: 13 Dec 2025 06:06



Tgt Ion:212 Resp: 7324
 Ion Ratio Lower Upper
 212 100
 106 20.8 13.7 20.5
 104 10.4 7.8 11.8





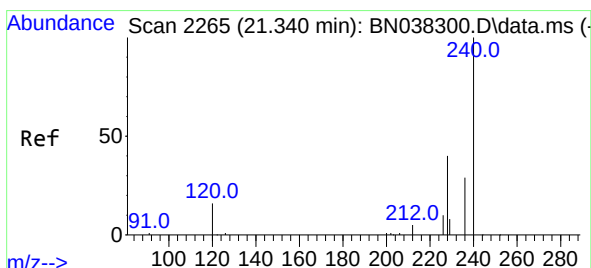
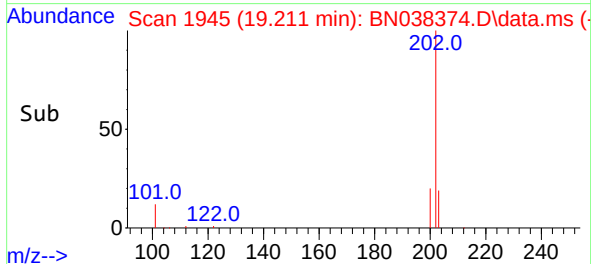
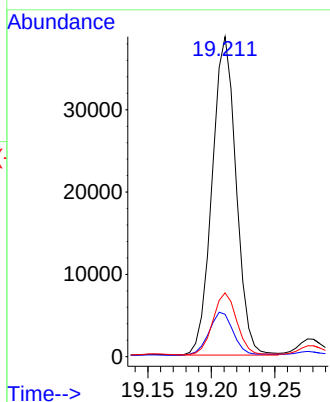
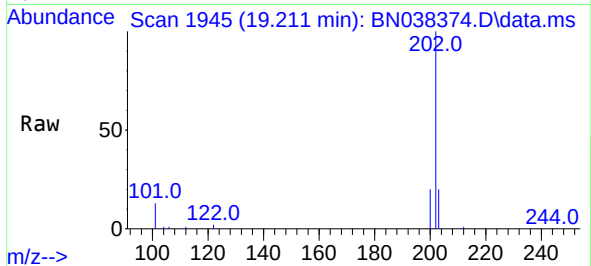
#28
Fluoranthene
Concen: 0.982 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Instrument :
BNA_N
ClientSampleId :
C0AS3

Tgt Ion:202 Resp: 5073
Ion Ratio Lower Upper
202 100
101 13.9 9.6 14.4
203 19.3 13.5 20.3

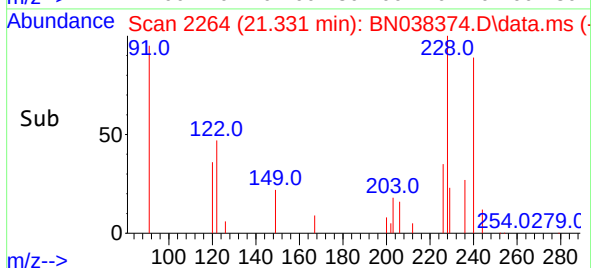
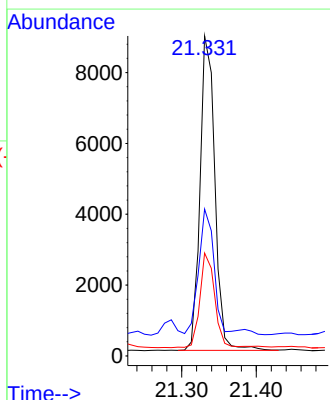
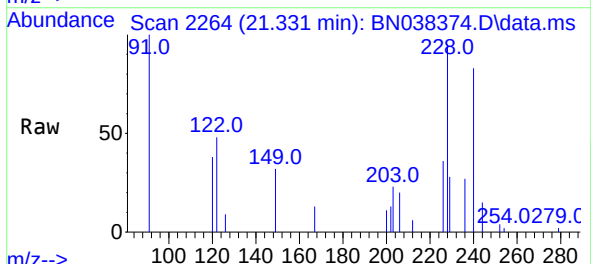
Manual Integrations
APPROVED

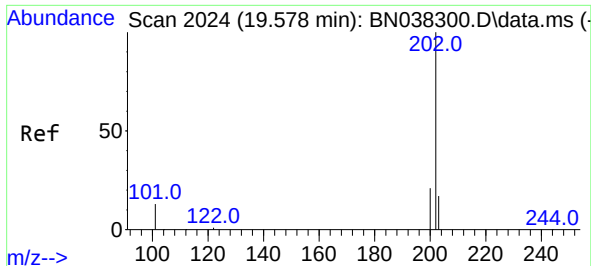
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion:240 Resp: 12342
Ion Ratio Lower Upper
240 100
120 45.9 15.4 23.2#
236 32.2 23.9 35.9





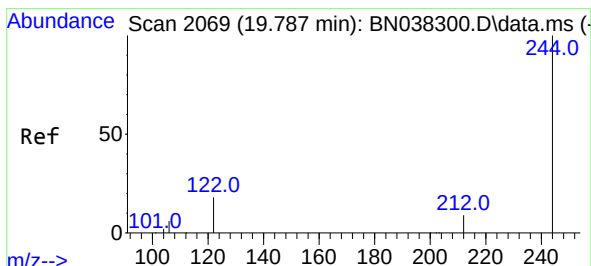
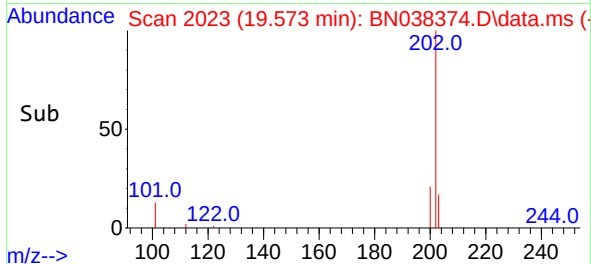
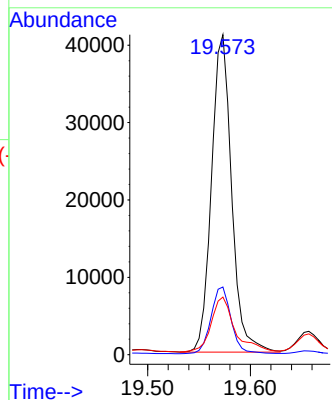
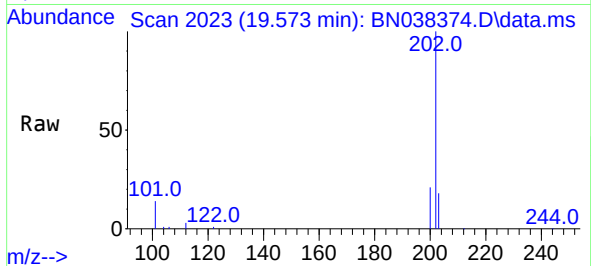
#30
Pyrene
Concen: 0.919 ng
RT: 19.573 min Scan# 2023
Delta R.T. -0.009 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Instrument :
BNA_N
ClientSampleId :
C0AS3

Tgt Ion:202 Resp: 5580
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 20.3 14.2 21.2

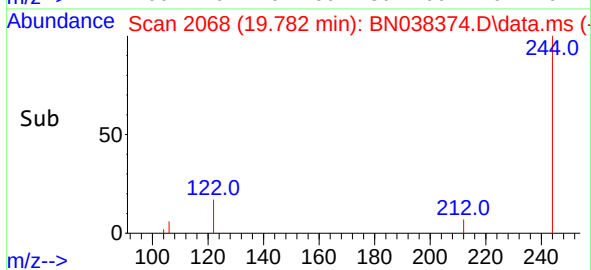
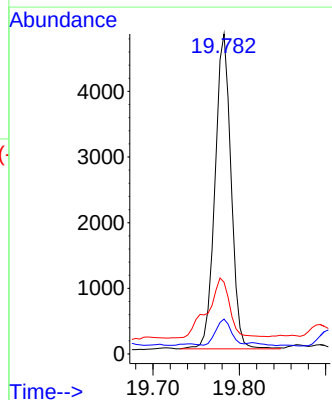
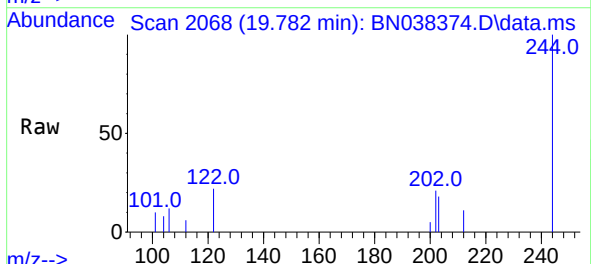
Manual Integrations
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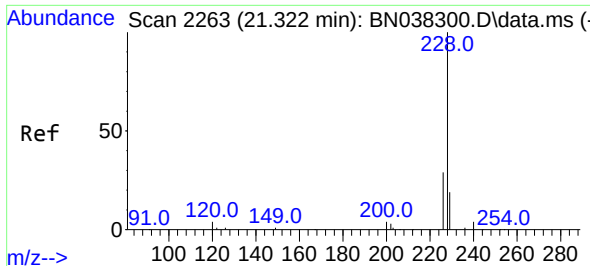
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#31
Terphenyl-d14
Concen: 0.225 ng
RT: 19.782 min Scan# 2068
Delta R.T. -0.009 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

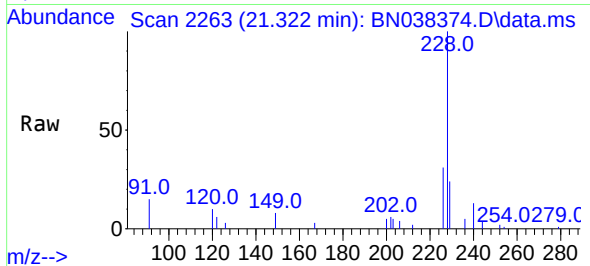
Tgt Ion:244 Resp: 6197
Ion Ratio Lower Upper
244 100
212 10.9 7.9 11.9
122 22.4 15.0 22.6





#32
Benzo(a)anthracene
Concen: 0.680 ng m
RT: 21.322 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

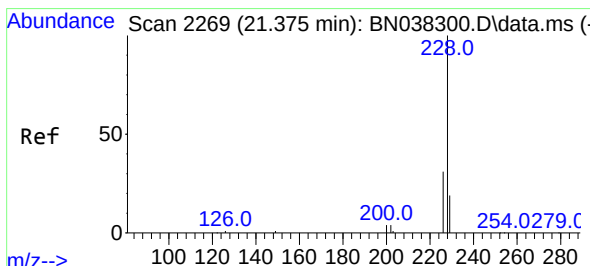
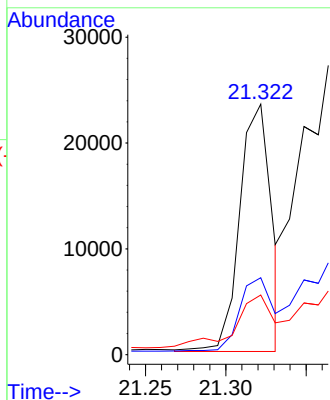
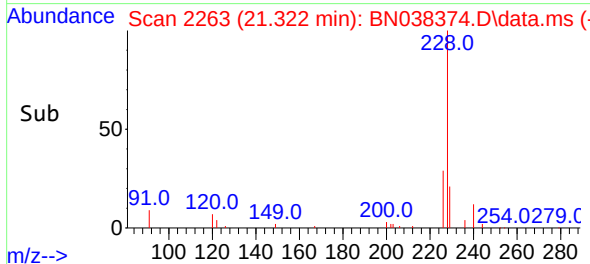
Instrument :
BNA_N
ClientSampleId :
C0AS3



Tgt Ion:228 Resp: 3240
Ion Ratio Lower Upper
228 100
226 30.7 23.3 34.9
229 23.8 15.7 23.5

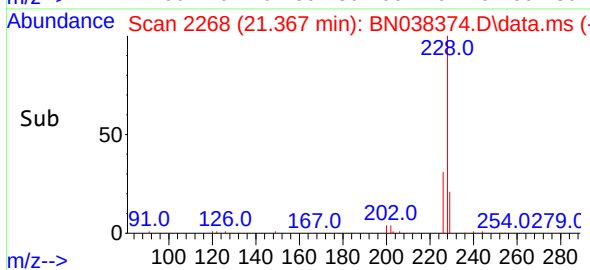
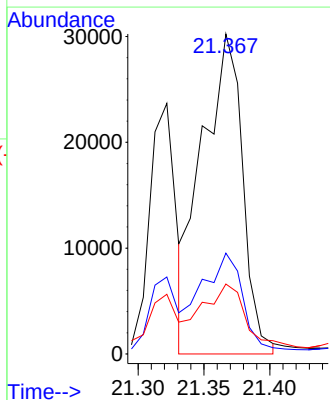
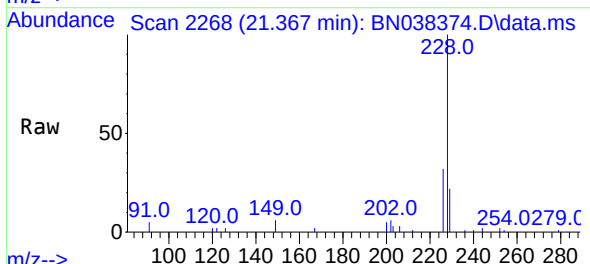
Manual Integrations
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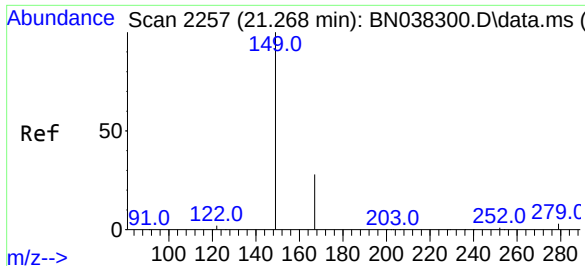
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#33
Chrysene
Concen: 1.239 ng m
RT: 21.367 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

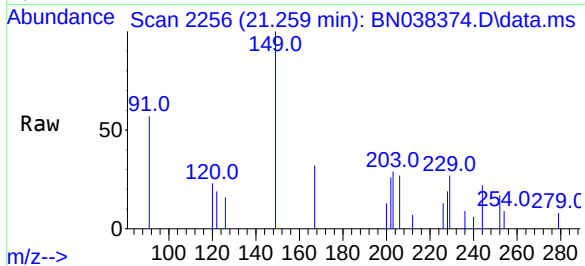
Tgt Ion:228 Resp: 65052
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.4
229 21.9 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.079 ng
RT: 21.259 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

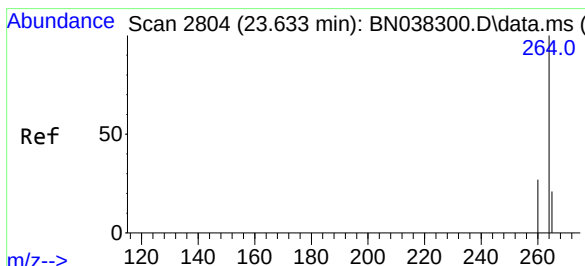
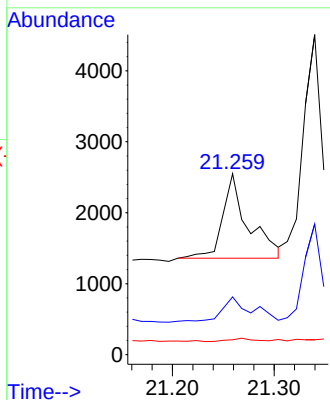
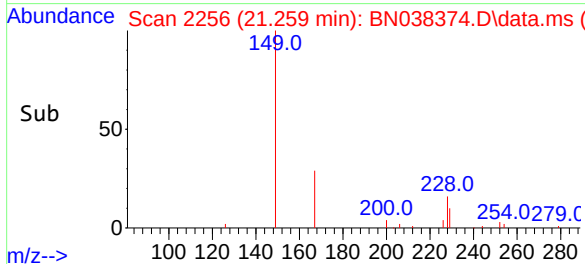
Instrument :
BNA_N
ClientSampleId :
C0AS3



Tgt Ion:149 Resp: 2054
Ion Ratio Lower Upper
149 100
167 32.1 21.4 32.0
279 3.7 2.4 3.6

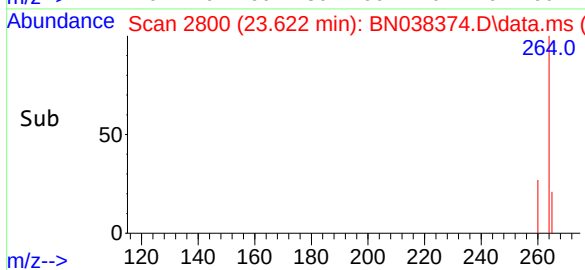
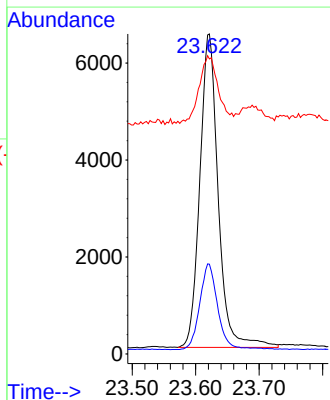
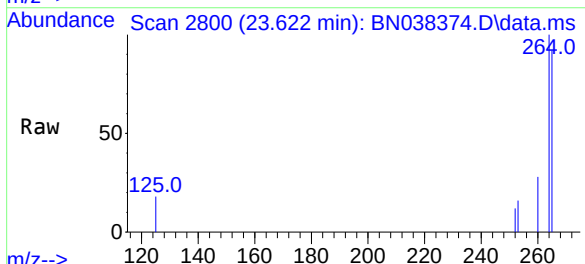
Manual Integrations
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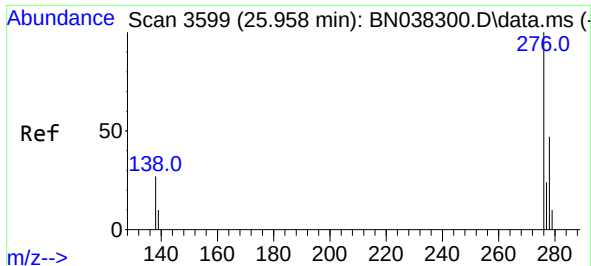
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

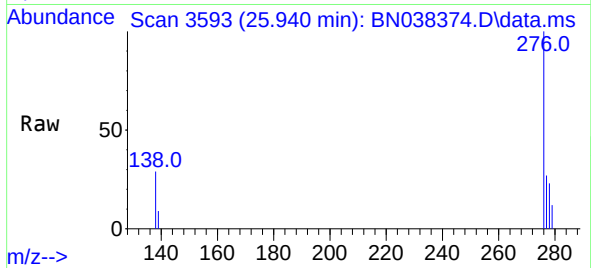
Tgt Ion:264 Resp: 12975
Ion Ratio Lower Upper
264 100
260 28.0 22.2 33.2
265 92.2 80.2 120.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.202 ng
RT: 25.940 min Scan# 3599
Delta R.T. -0.023 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

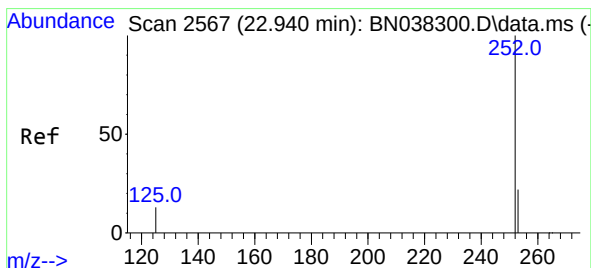
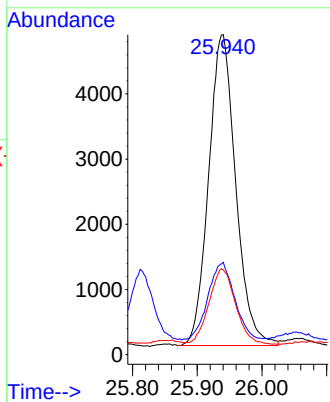
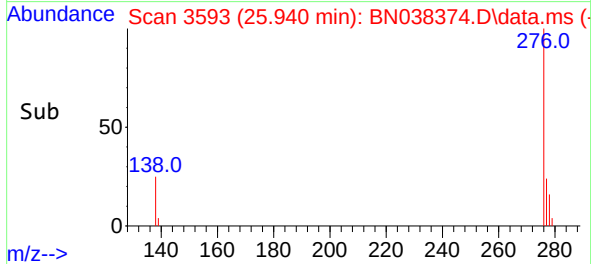
Instrument :
BNA_N
ClientSampleId :
C0AS3



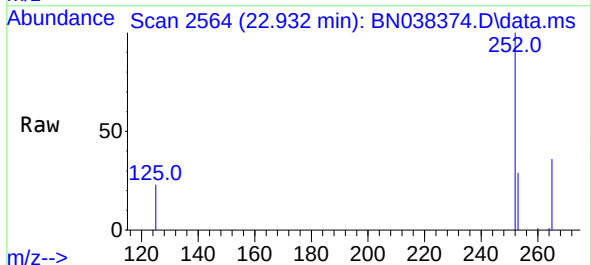
Tgt Ion:276 Resp: 13879
Ion Ratio Lower Upper
276 100
138 25.7 23.6 35.4
277 23.7 19.7 29.5

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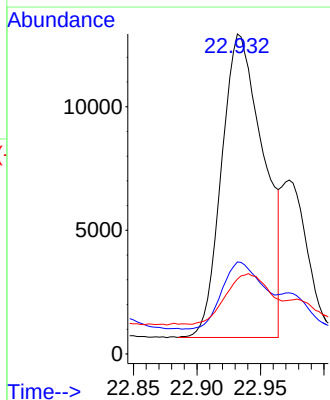
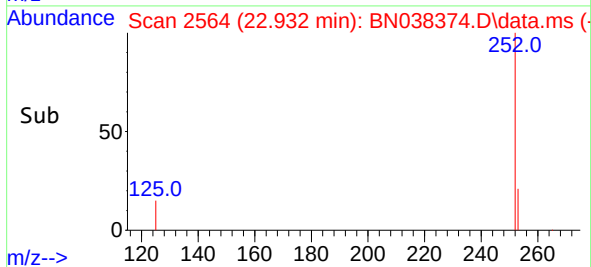
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

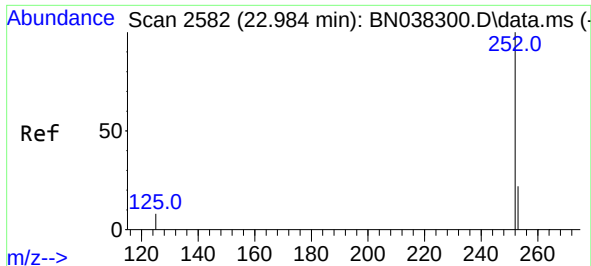


#37
Benzo(b)fluoranthene
Concen: 0.474 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.014 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06



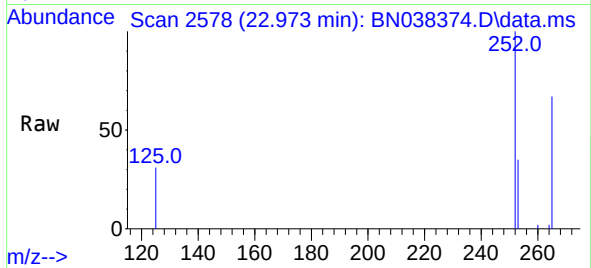
Tgt Ion:252 Resp: 28220
Ion Ratio Lower Upper
252 100
253 28.8 21.1 31.7
125 23.4 16.4 24.6





#38
Benzo(k)fluoranthene
Concen: 0.157 ng m
RT: 22.973 min Scan# 21
Delta R.T. -0.017 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

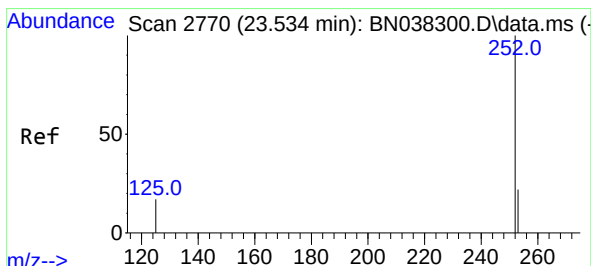
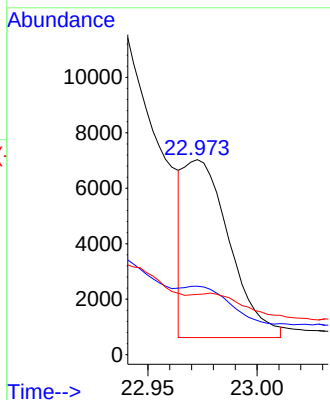
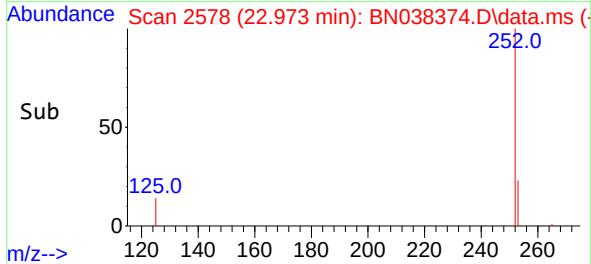
Instrument :
BNA_N
ClientSampleId :
C0AS3



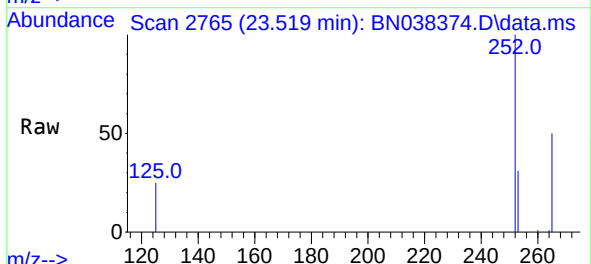
Tgt Ion:252 Resp: 933
Ion Ratio Lower Upper
252 100
253 35.1 21.4 32.0
125 30.9 16.2 24.2

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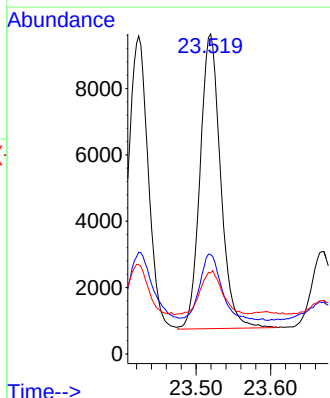
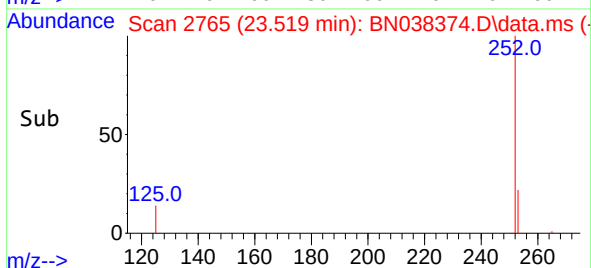
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

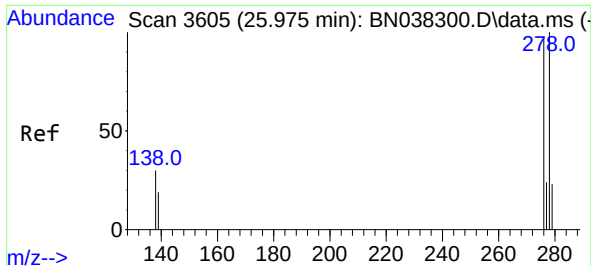


#39
Benzo(a)pyrene
Concen: 0.348 ng
RT: 23.519 min Scan# 2765
Delta R.T. -0.014 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06



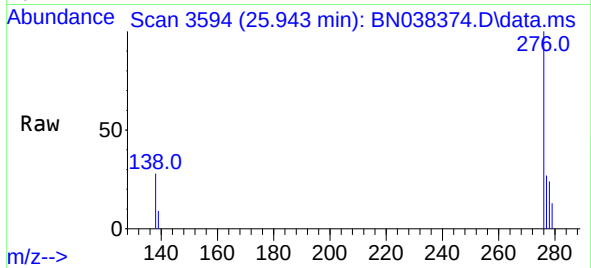
Tgt Ion:252 Resp: 16975
Ion Ratio Lower Upper
252 100
253 31.0 23.3 34.9
125 25.3 22.4 33.6





#40
Dibenzo(a,h)anthracene
Concen: 0.064 ng
RT: 25.943 min Scan# 31
Delta R.T. -0.038 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

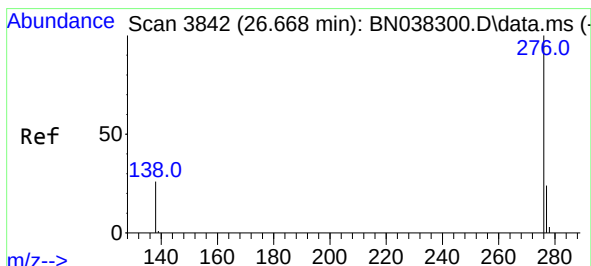
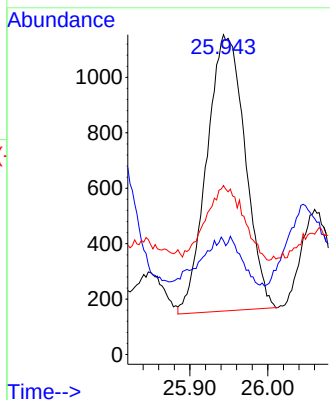
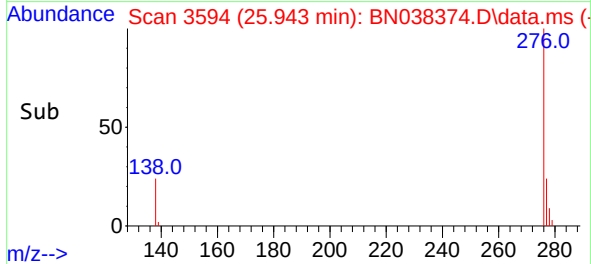
Instrument :
BNA_N
ClientSampleId :
C0AS3



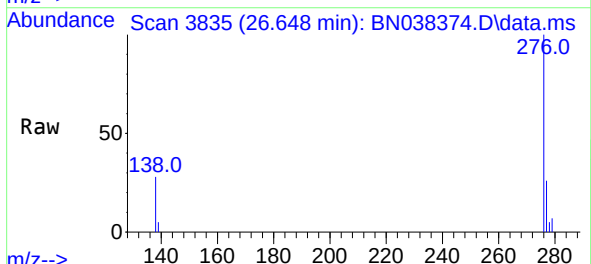
Tgt Ion:278 Resp: 339
Ion Ratio Lower Upper
278 100
139 35.6 17.8 26.8
279 52.9 21.3 31.9

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.260 ng
RT: 26.648 min Scan# 3835
Delta R.T. -0.029 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06



Tgt Ion:276 Resp: 15429
Ion Ratio Lower Upper
276 100
277 25.9 20.0 30.0
138 27.8 21.8 32.6

