

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038370.D
 Acq On : 13 Dec 2025 03:40
 Operator : RC/JU
 Sample : Q3839-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN4

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 06:06:57 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	5608	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	15052	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7699	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13110	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	11207	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	12315	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	3320	0.238	ng	0.00
5) Phenol-d6	6.887	99	3644	0.219	ng	0.00
8) Nitrobenzene-d5	8.875	82	2864	0.226	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	4290	0.202	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	957	0.280	ng	-0.01
15) 2-Fluorobiphenyl	13.009	172	8843	0.238	ng	0.00
27) Fluoranthene-d10	19.178	212	5451	0.168	ng	0.00
31) Terphenyl-d14	19.782	244	4791	0.192	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.573	128	25531	0.574	ng	99
12) 2-Methylnaphthalene	12.192	142	29907	1.059	ng	99
16) Acenaphthylene	14.110	152	1515	0.040	ng	# 50
17) Acenaphthene	14.452	154	1045	0.040	ng	# 63
18) Fluorene	15.446	166	2800	0.083	ng	# 78
25) Phenanthrene	17.186	178	38211	0.837	ng	99
26) Anthracene	17.273	178	2507m	0.064	ng	
28) Fluoranthene	19.211	202	23823	0.491	ng	97
30) Pyrene	19.573	202	21203	0.384	ng	96
32) Benzo(a)anthracene	21.322	228	12315	0.284	ng	# 91
33) Chrysene	21.366	228	15693	0.329	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.259	149	1982	0.083	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.943	276	8148	0.125	ng	96
37) Benzo(b)fluoranthene	22.932	252	17240	0.305	ng	# 83
38) Benzo(k)fluoranthene	22.973	252	6105m	0.108	ng	
39) Benzo(a)pyrene	23.519	252	9572	0.207	ng	# 78
40) Dibenzo(a,h)anthracene	25.949	278	2268	0.045	ng	# 29
41) Benzo(g,h,i)perylene	26.648	276	10346	0.184	ng	93

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

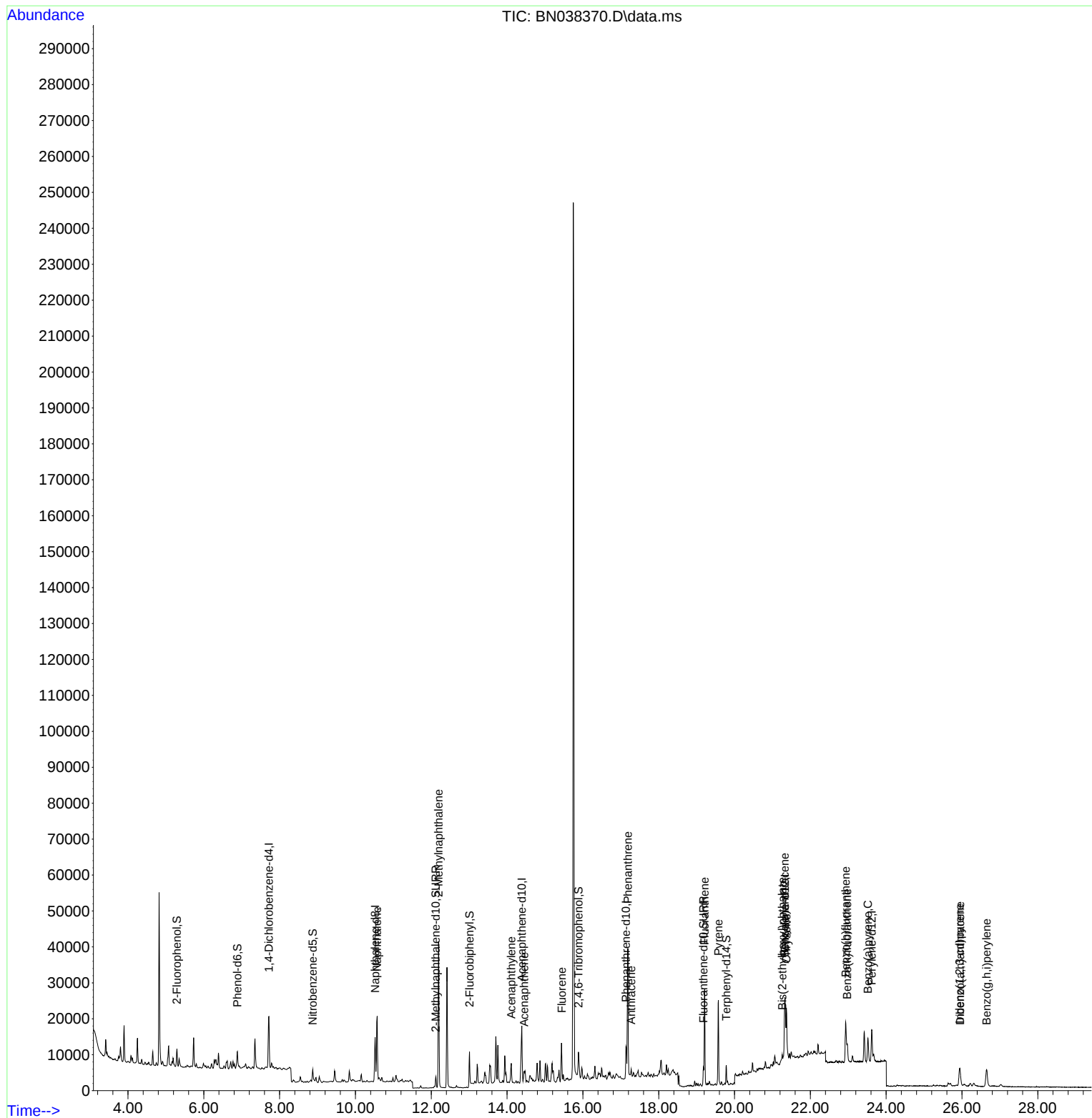
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038370.D
Acq On : 13 Dec 2025 03:40
Operator : RC/JU
Sample : Q3839-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

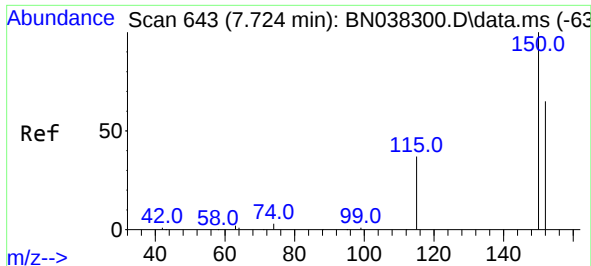
Instrument :
BNA_N
ClientSampleId :
C0AN4

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

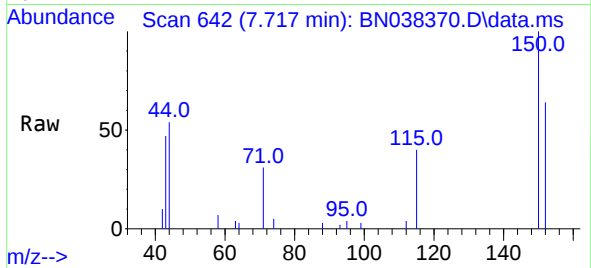
Quant Time: Dec 13 06:06:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 643
Delta R.T. -0.007 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

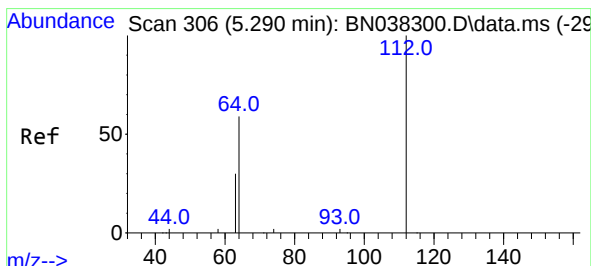
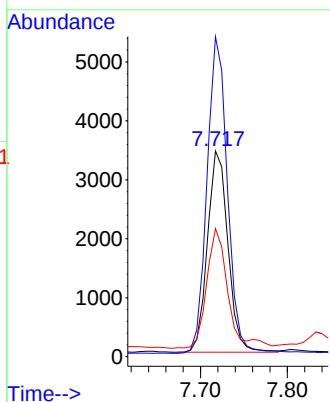
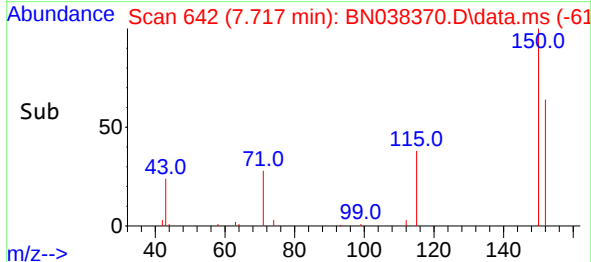
Instrument :
BNA_N
ClientSampleId :
C0AN4



Tgt Ion:152 Resp: 5608
Ion Ratio Lower Upper
152 100
150 155.5 122.4 183.6
115 62.3 47.3 70.9

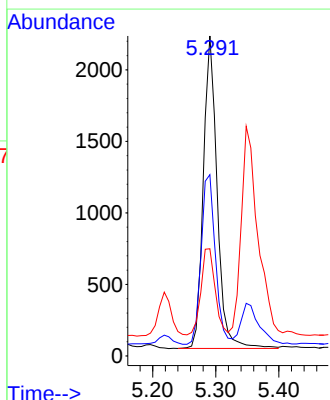
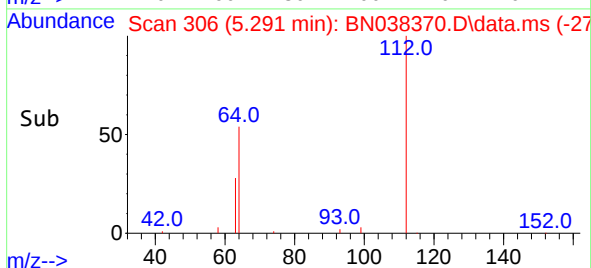
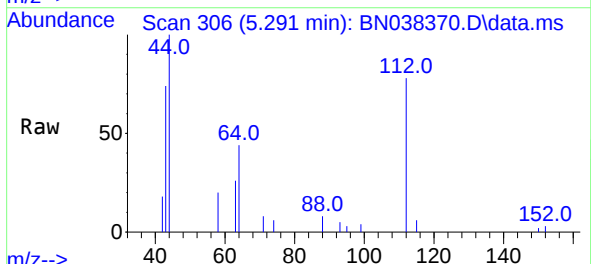
Manual Integrations
APPROVED

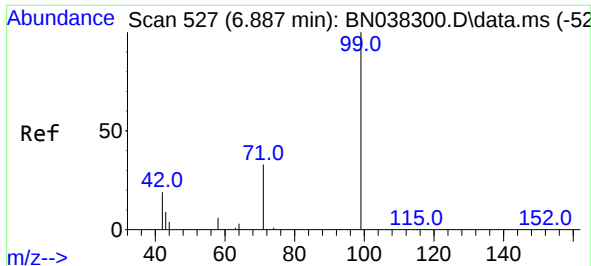
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#4
2-Fluorophenol
Concen: 0.238 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

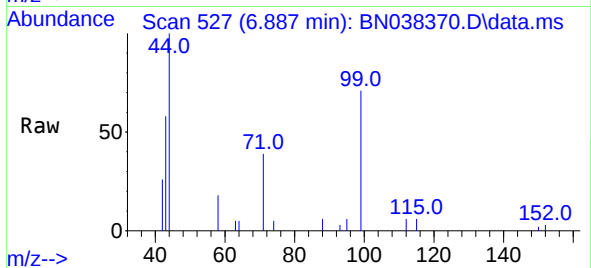
Tgt Ion:112 Resp: 3320
Ion Ratio Lower Upper
112 100
64 56.1 44.4 66.6
63 28.9 23.4 35.0





#5
Phenol-d6
Concen: 0.219 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

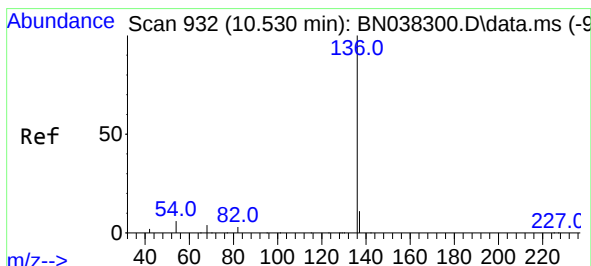
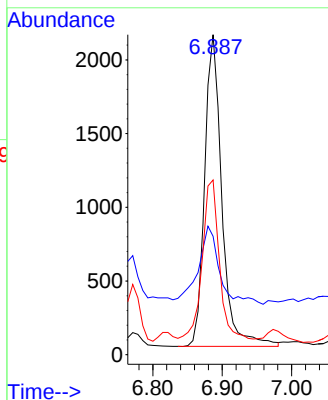
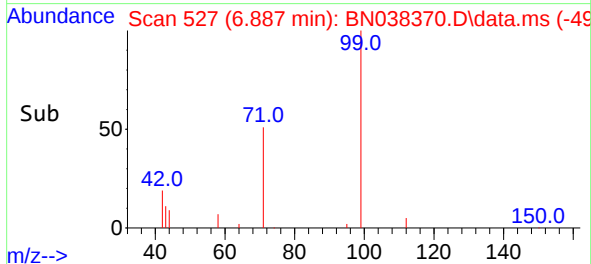
Instrument :
BNA_N
ClientSampleId :
COAN4



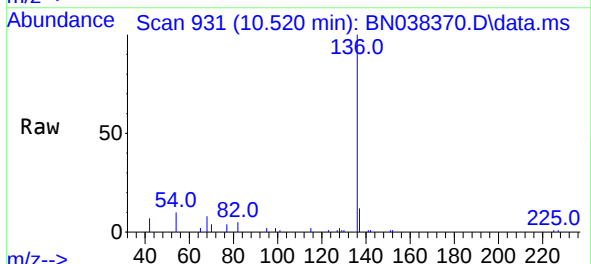
Tgt Ion: 99 Resp: 3644
Ion Ratio Lower Upper
99 100
42 31.4 16.5 24.7
71 52.9 24.9 37.3

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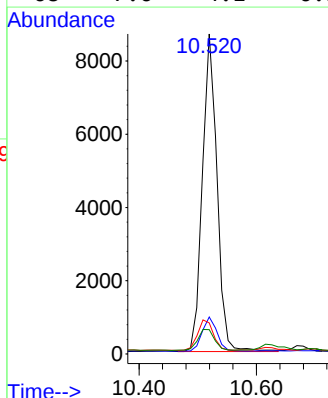
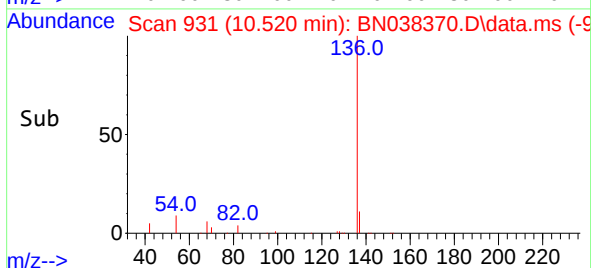
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

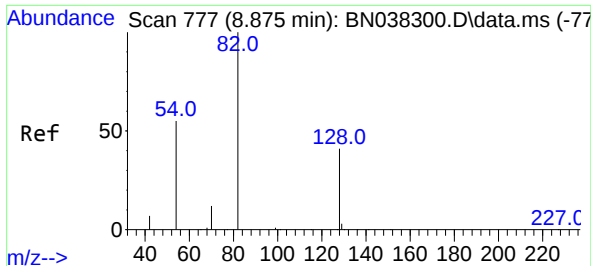


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40



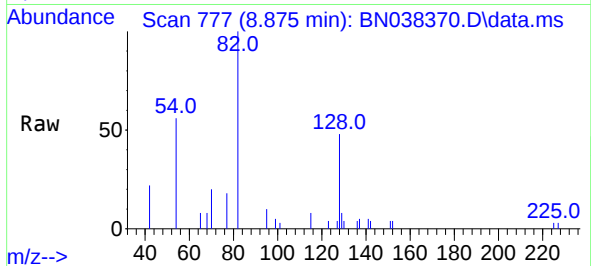
Tgt Ion:136 Resp: 15052
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 9.7 5.2 7.8#
68 7.6 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.226 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

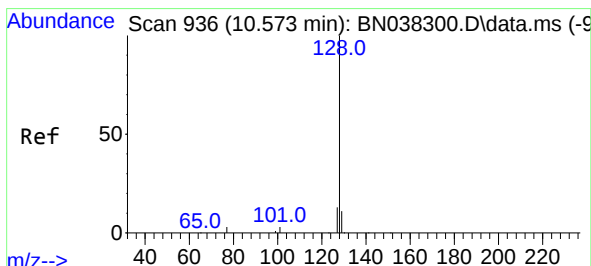
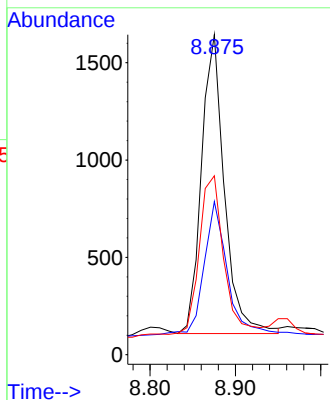
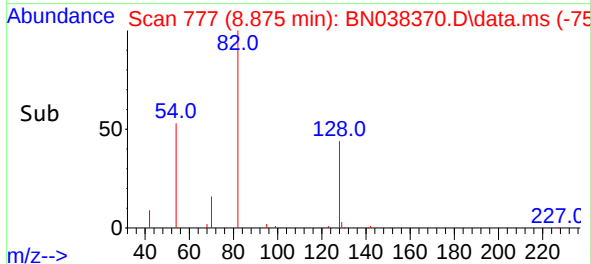
Instrument :
BNA_N
ClientSampleId :
COAN4



Tgt Ion: 82 Resp: 2864
Ion Ratio Lower Upper
82 100
128 47.9 34.0 51.0
54 55.9 44.4 66.6

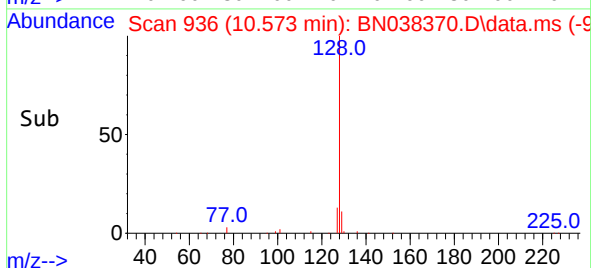
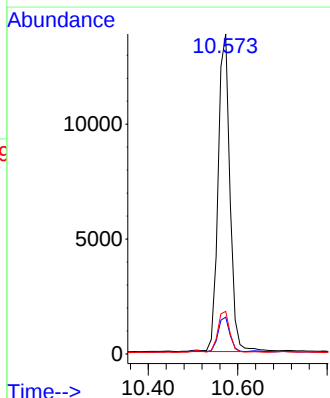
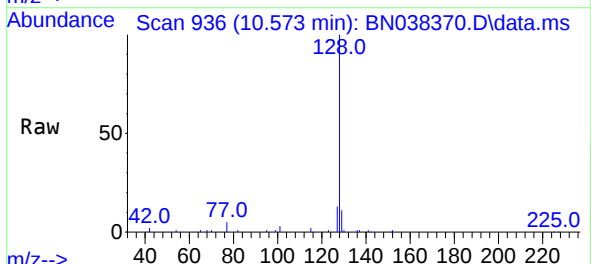
Manual Integrations
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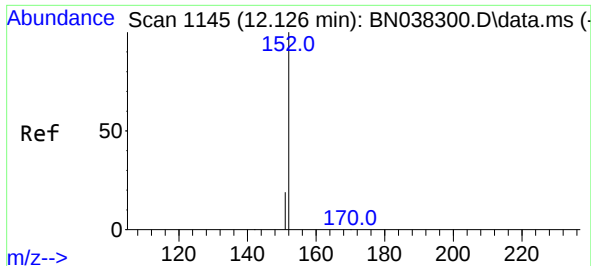
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#9
Naphthalene
Concen: 0.574 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

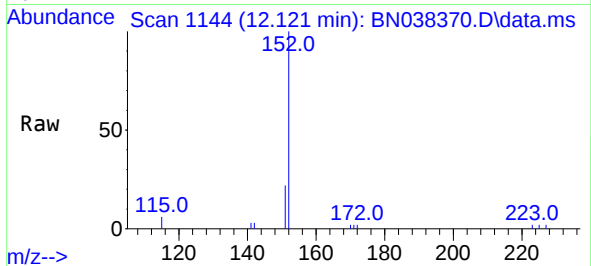
Tgt Ion:128 Resp: 25531
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.3 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.202 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

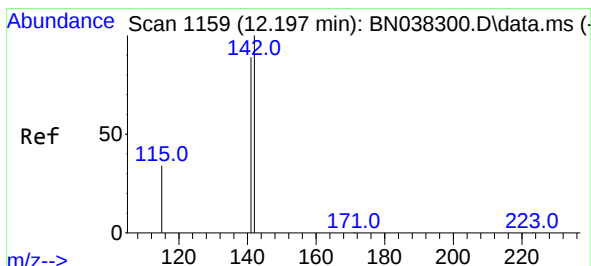
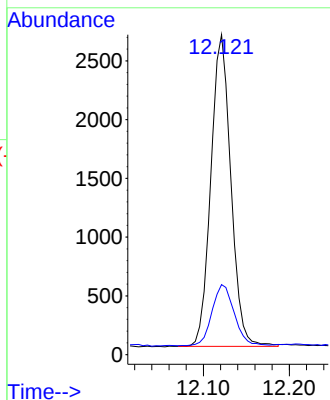
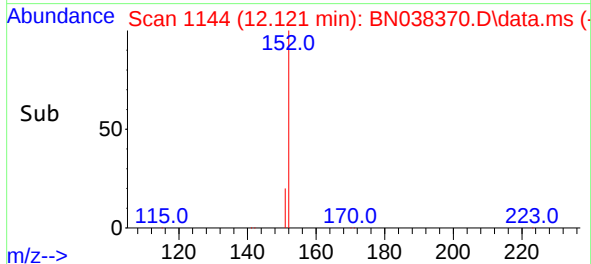
Instrument :
BNA_N
ClientSampleId :
COAN4



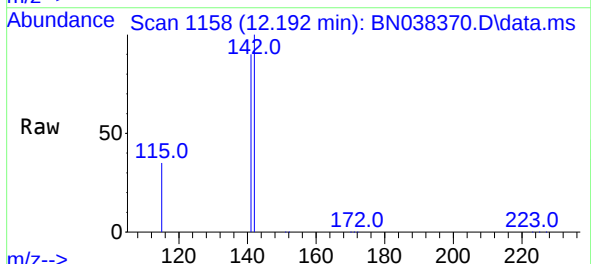
Tgt Ion:152 Resp: 4290
Ion Ratio Lower Upper
152 100
151 21.7 17.0 25.6

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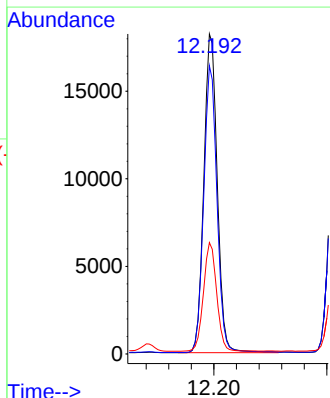
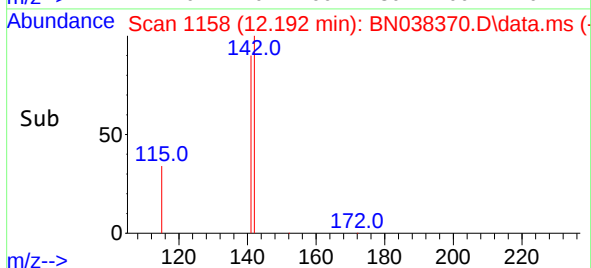
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

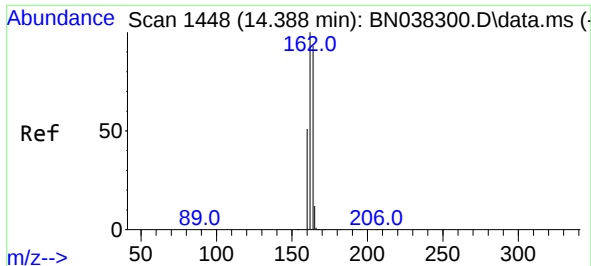


#12
2-Methylnaphthalene
Concen: 1.059 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40



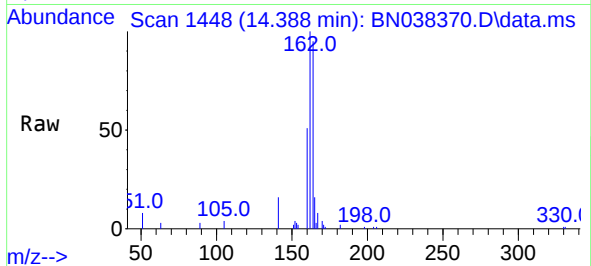
Tgt Ion:142 Resp: 29907
Ion Ratio Lower Upper
142 100
141 90.1 71.4 107.2
115 34.8 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

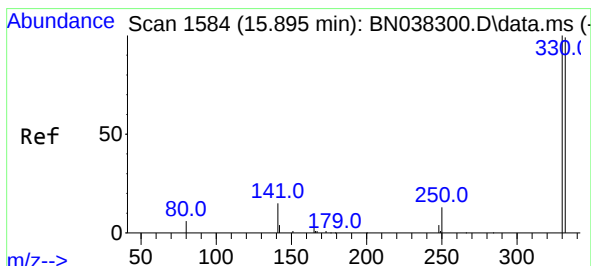
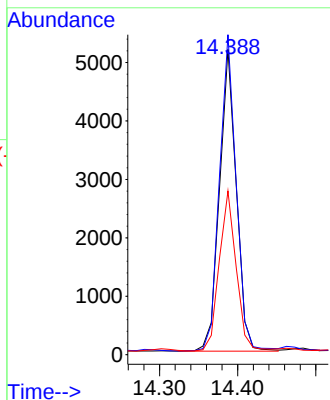
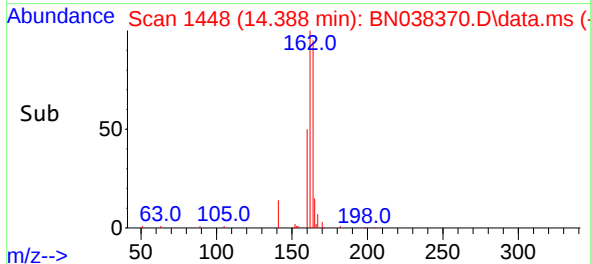
Instrument :
BNA_N
ClientSampleId :
COAN4



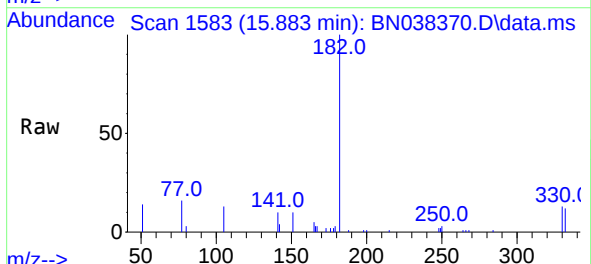
Tgt Ion:164 Resp: 7699
Ion Ratio Lower Upper
164 100
162 104.8 86.2 129.4
160 53.6 44.6 67.0

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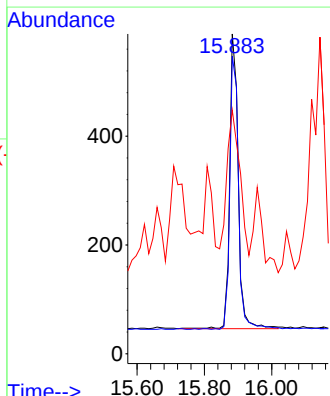
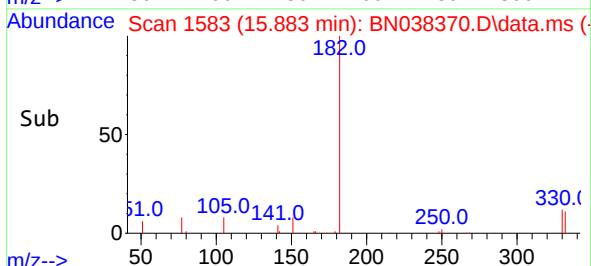
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

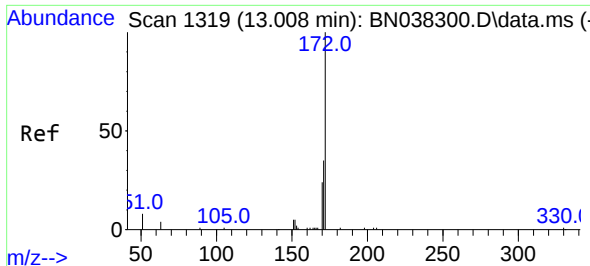


#14
2,4,6-Tribromophenol
Concen: 0.280 ng
RT: 15.883 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40



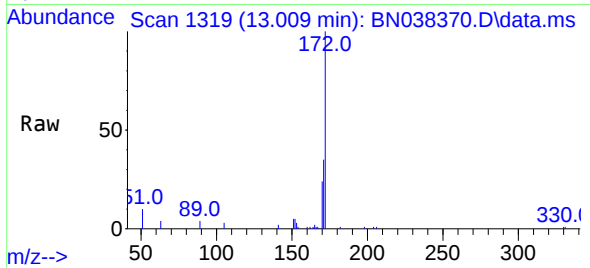
Tgt Ion:330 Resp: 957
Ion Ratio Lower Upper
330 100
332 95.0 75.8 113.6
141 77.0 31.8 47.8#





#15
2-Fluorobiphenyl
Concen: 0.238 ng
RT: 13.009 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

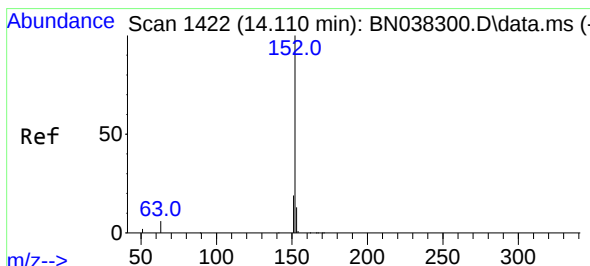
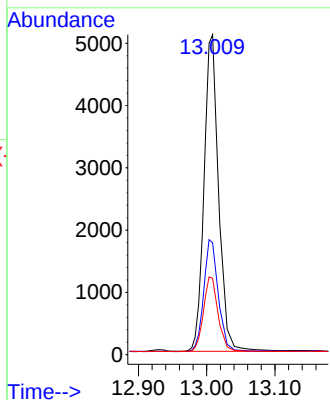
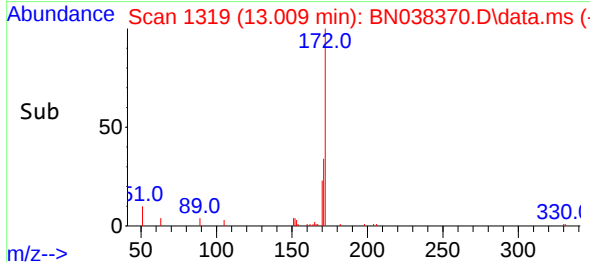
Instrument :
BNA_N
ClientSampleId :
COAN4



Tgt Ion:	172	Resp:	884
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	42.8
170	23.9	19.3	28.9

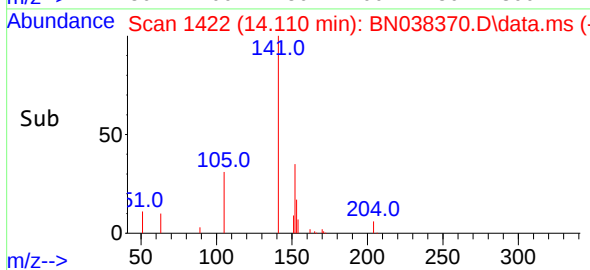
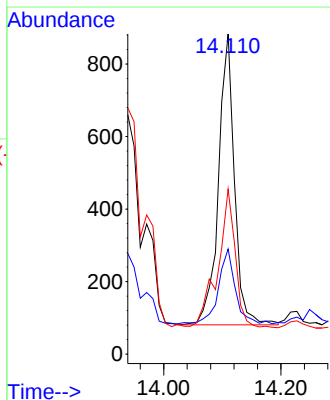
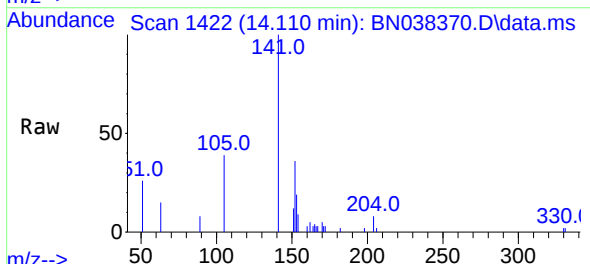
Manual Integrations
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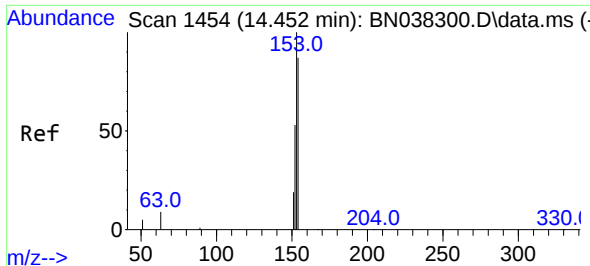
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#16
Acenaphthylene
Concen: 0.040 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

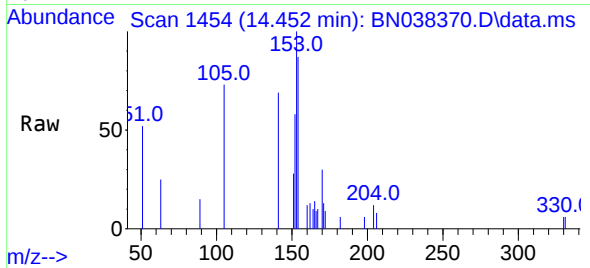
Tgt Ion:	152	Resp:	1515
Ion	Ratio	Lower	Upper
152	100		
151	26.9	15.4	23.2#
153	52.6	10.2	15.4#





#17
Acenaphthene
Concen: 0.040 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

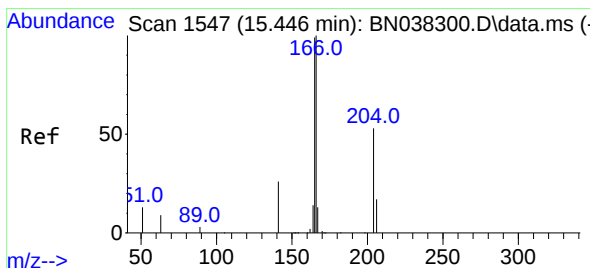
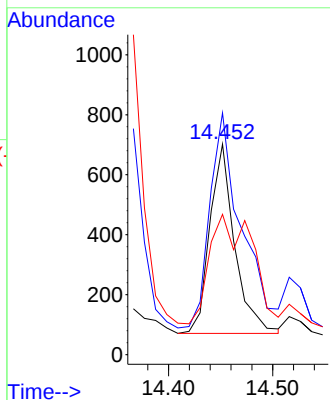
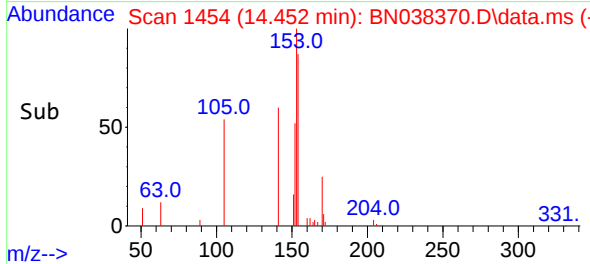
Instrument :
BNA_N
ClientSampleId :
COAN4



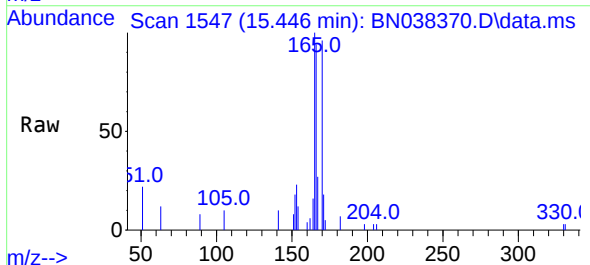
Tgt Ion:154 Resp: 1045
Ion Ratio Lower Upper
154 100
153 143.8 89.8 134.8
152 98.5 47.5 71.3

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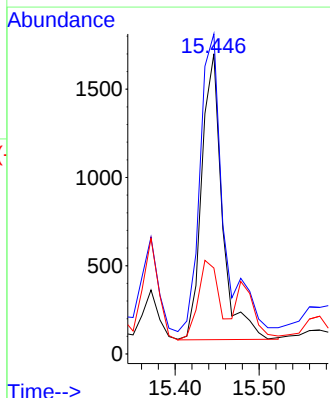
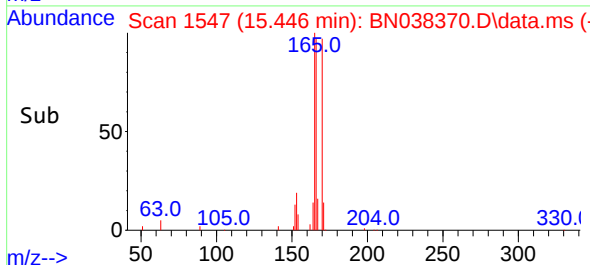
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

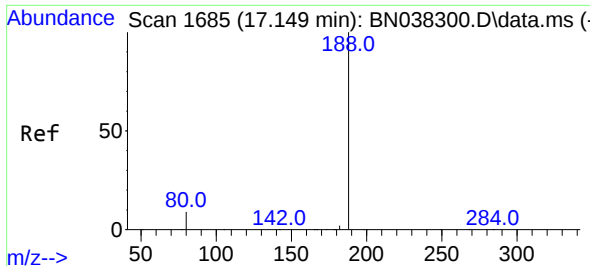


#18
Fluorene
Concen: 0.083 ng
RT: 15.446 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40



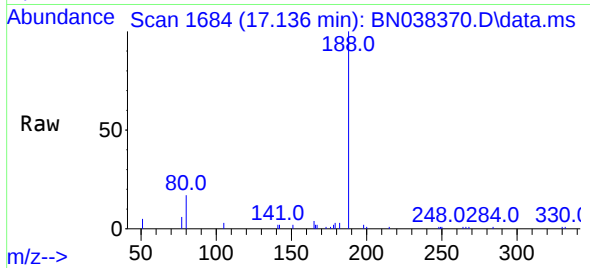
Tgt Ion:166 Resp: 2800
Ion Ratio Lower Upper
166 100
165 119.3 80.2 120.4
167 29.7 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

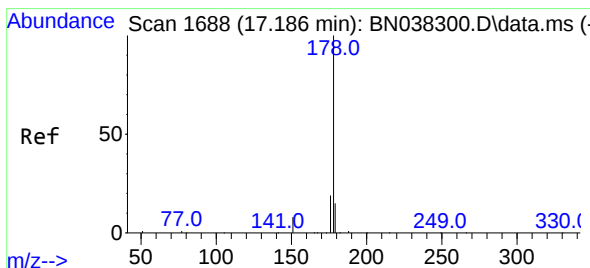
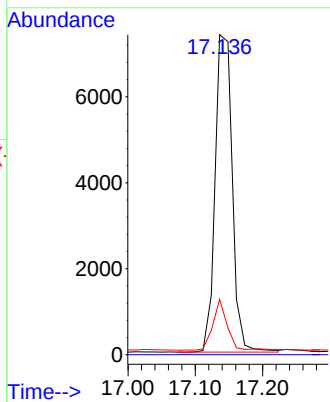
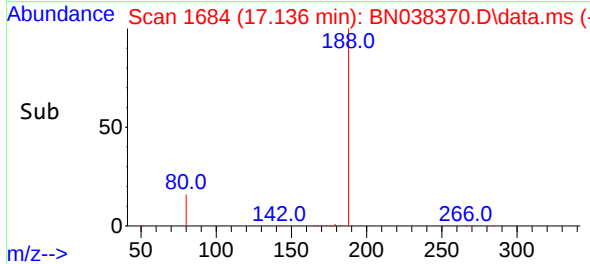
Instrument :
BNA_N
ClientSampleId :
COAN4



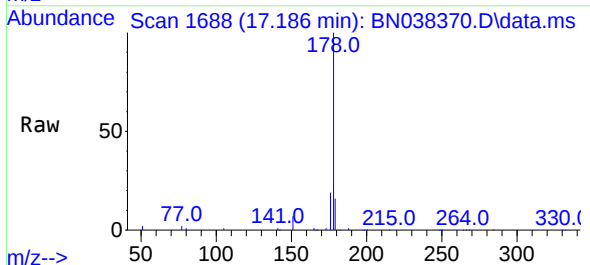
Tgt Ion:188 Resp: 13110
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.3 7.4 11.0

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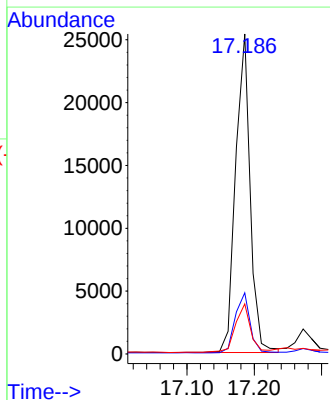
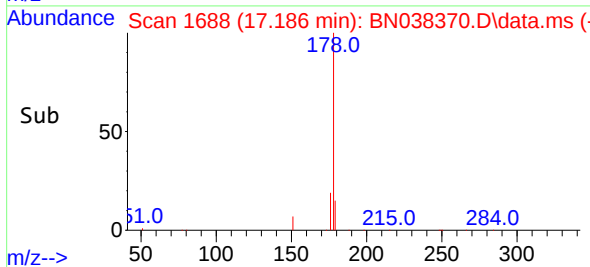
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

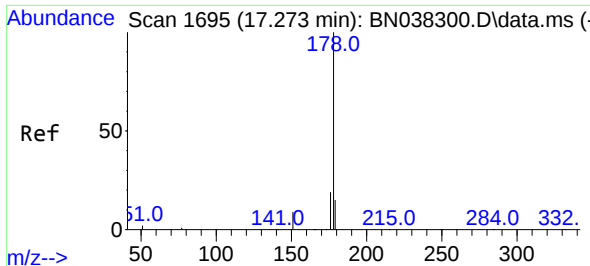


#25
Phenanthrene
Concen: 0.837 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40



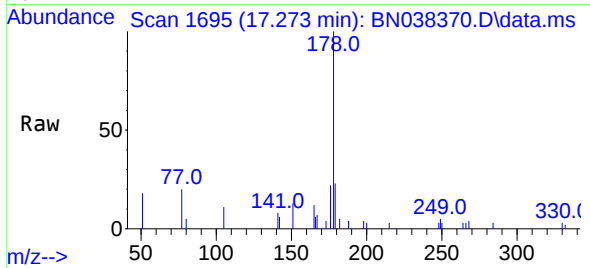
Tgt Ion:178 Resp: 38211
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 16.1 12.2 18.2





#26
 Anthracene
 Concen: 0.064 ng m
 RT: 17.273 min Scan# 1695
 Delta R.T. -0.012 min
 Lab File: BN038370.D
 Acq: 13 Dec 2025 03:40

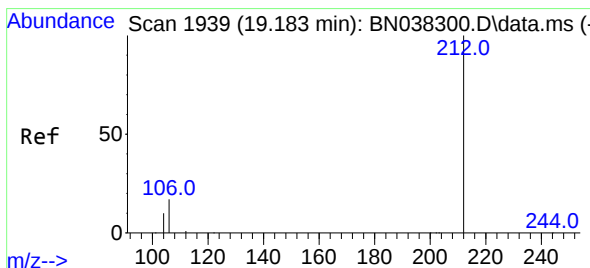
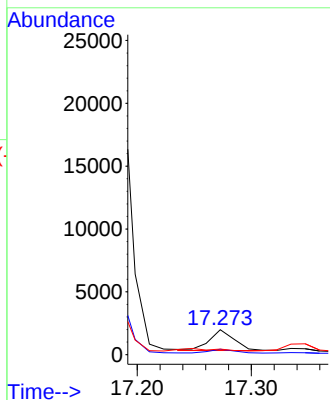
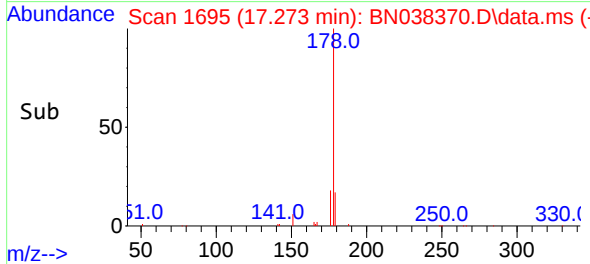
Instrument :
 BNA_N
 ClientSampleId :
 C0AN4



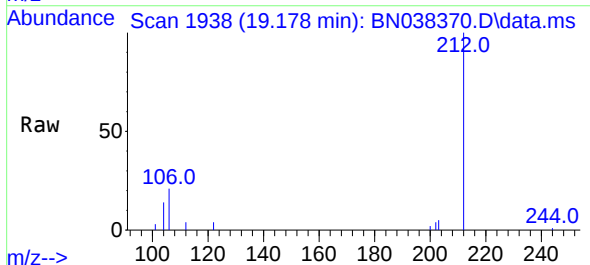
Tgt Ion:178 Resp: 2507
 Ion Ratio Lower Upper
 178 100
 176 291.8 15.1 22.7
 179 238.9 12.0 18.0

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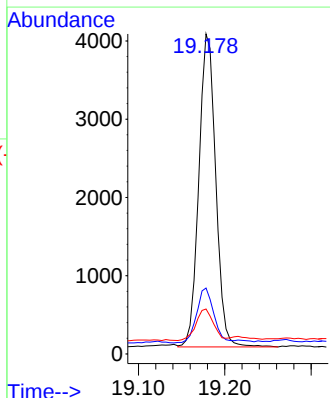
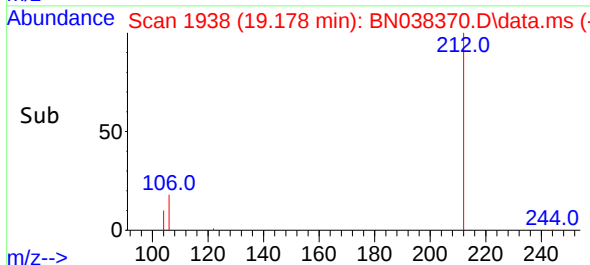
Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

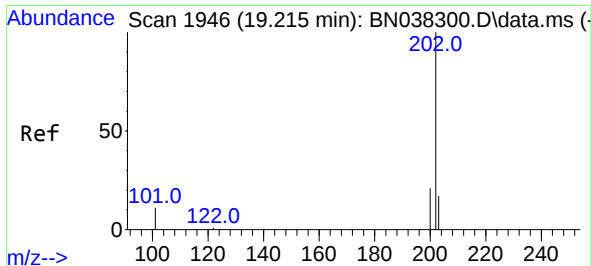


#27
 Fluoranthene-d10
 Concen: 0.168 ng
 RT: 19.178 min Scan# 1938
 Delta R.T. -0.009 min
 Lab File: BN038370.D
 Acq: 13 Dec 2025 03:40



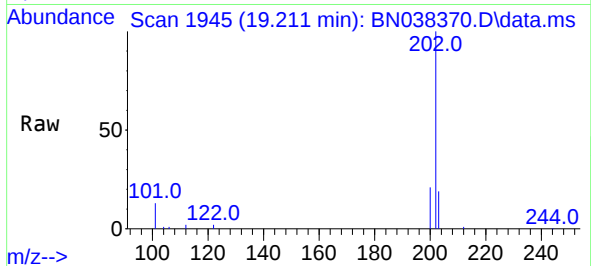
Tgt Ion:212 Resp: 5451
 Ion Ratio Lower Upper
 212 100
 106 17.8 13.7 20.5
 104 10.3 7.8 11.8





#28
Fluoranthene
Concen: 0.491 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

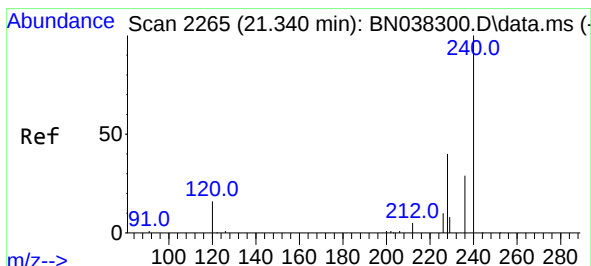
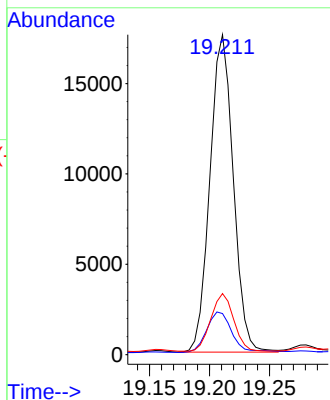
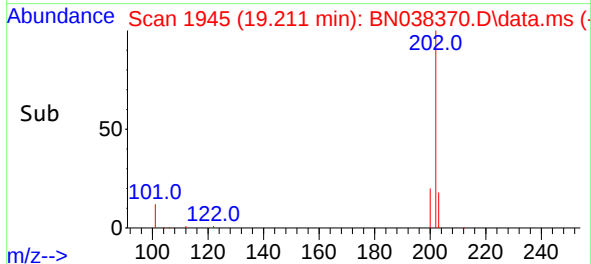
Instrument :
BNA_N
ClientSampleId :
COAN4



Tgt Ion:202 Resp: 2382
Ion Ratio Lower Upper
202 100
101 13.8 9.6 14.4
203 17.8 13.5 20.3

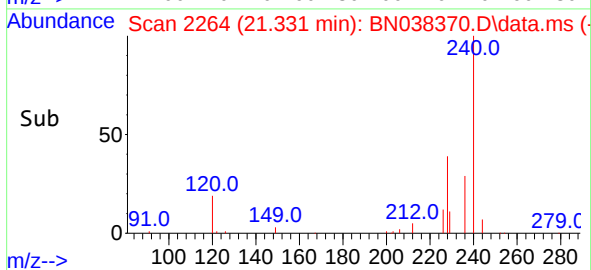
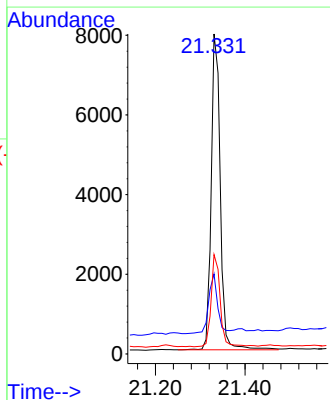
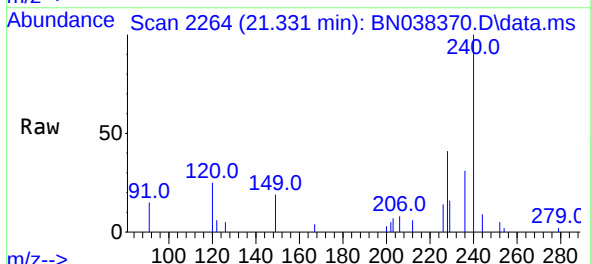
Manual Integrations
APPROVED

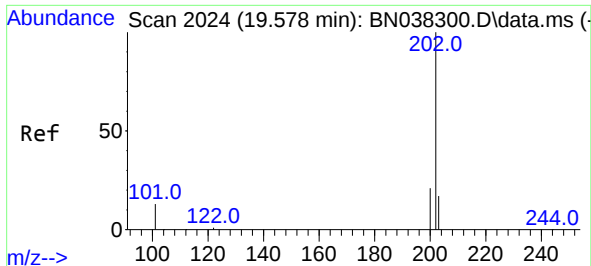
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

Tgt Ion:240 Resp: 11207
Ion Ratio Lower Upper
240 100
120 25.0 15.4 23.2#
236 31.0 23.9 35.9





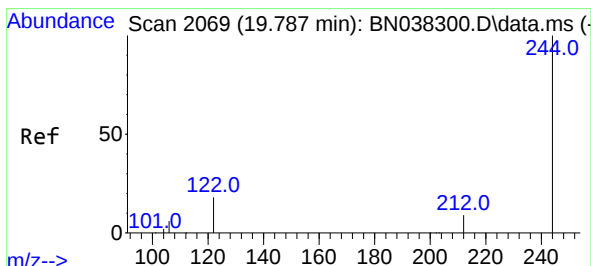
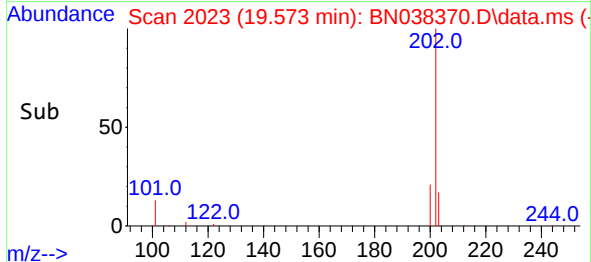
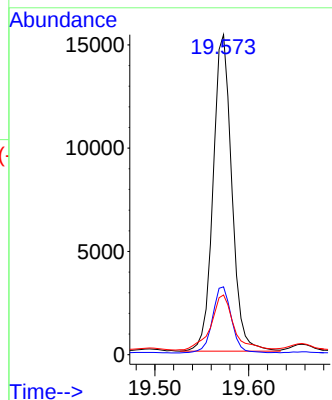
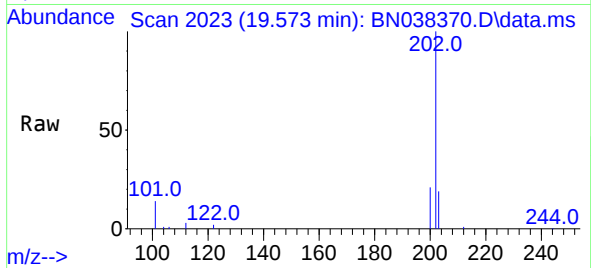
#30
Pyrene
Concen: 0.384 ng
RT: 19.573 min Scan# 2020
Delta R.T. -0.009 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

Instrument :
BNA_N
ClientSampleId :
COAN4

Tgt Ion:202 Resp: 2120
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 21.1 14.2 21.2

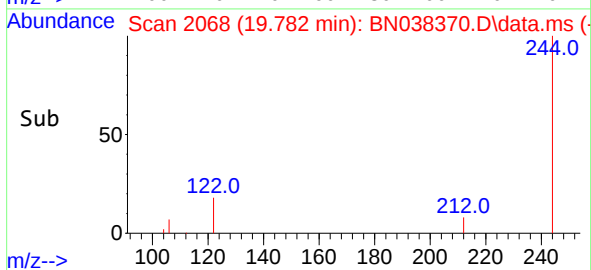
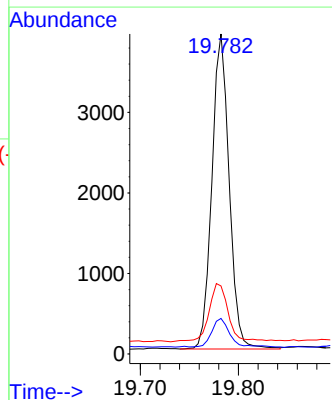
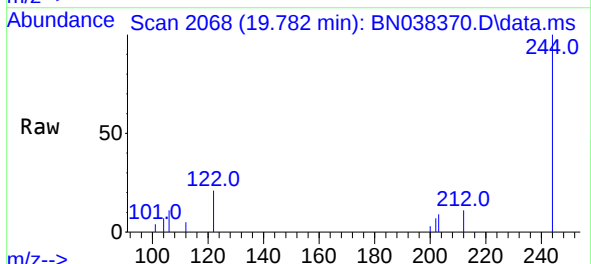
Manual Integrations
APPROVED

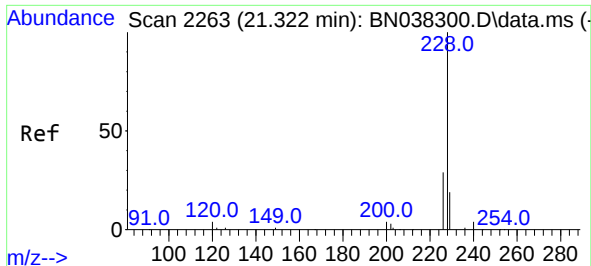
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#31
Terphenyl-d14
Concen: 0.192 ng
RT: 19.782 min Scan# 2068
Delta R.T. -0.009 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

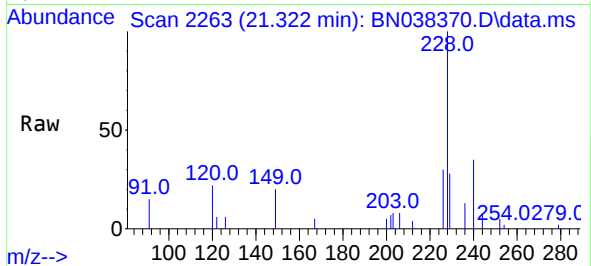
Tgt Ion:244 Resp: 4791
Ion Ratio Lower Upper
244 100
212 11.1 7.9 11.9
122 21.2 15.0 22.6





#32
Benzo(a)anthracene
Concen: 0.284 ng
RT: 21.322 min Scan# 2131
Delta R.T. -0.009 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

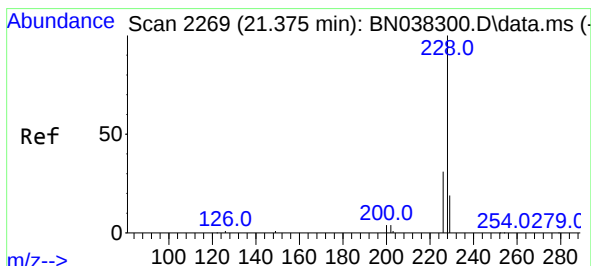
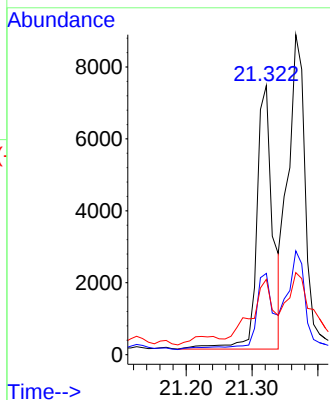
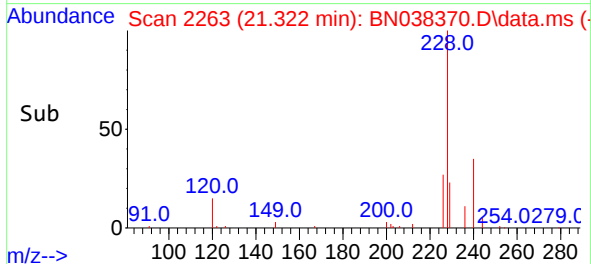
Instrument :
BNA_N
ClientSampleId :
COAN4



Tgt Ion:228 Resp: 12315
Ion Ratio Lower Upper
228 100
226 30.2 23.3 34.9
229 28.0 15.7 23.5

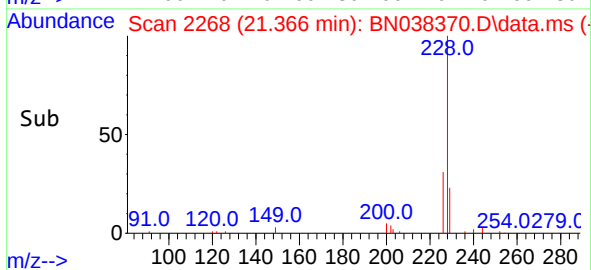
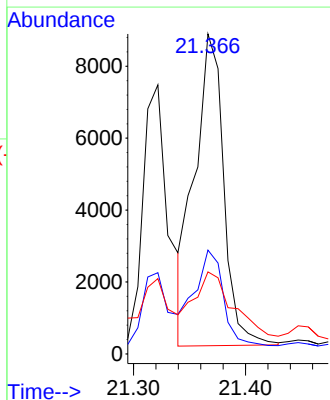
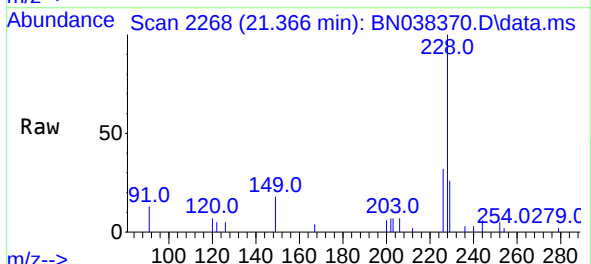
Manual Integrations
APPROVED

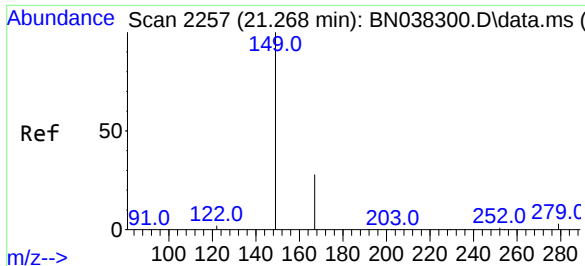
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#33
Chrysene
Concen: 0.329 ng
RT: 21.366 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

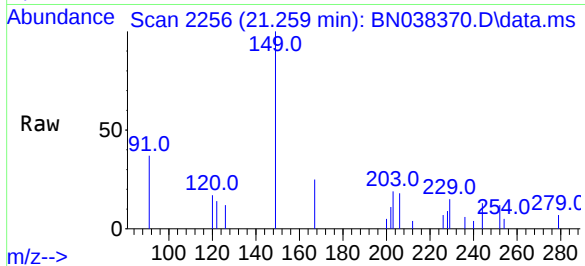
Tgt Ion:228 Resp: 15693
Ion Ratio Lower Upper
228 100
226 32.4 25.0 37.4
229 25.6 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.083 ng
RT: 21.259 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

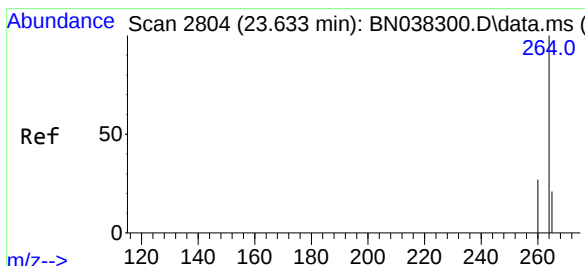
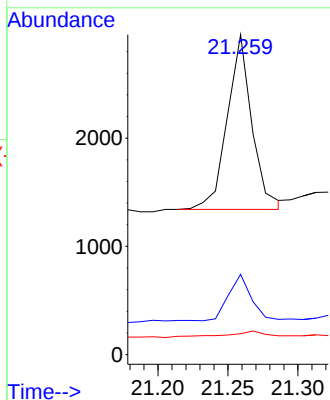
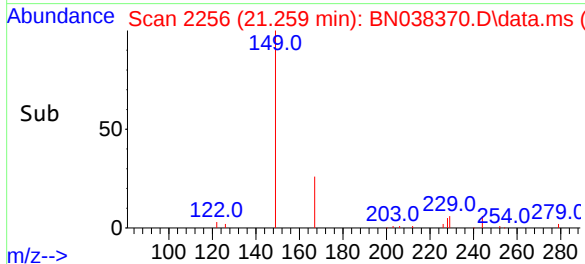
Instrument :
BNA_N
ClientSampleId :
C0AN4



Tgt Ion:149 Resp: 198
Ion Ratio Lower Upper
149 100
167 24.5 21.4 32.0
279 6.5 2.4 3.6

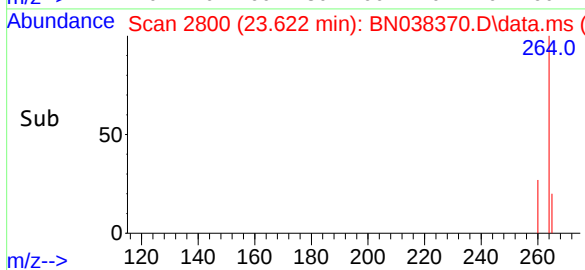
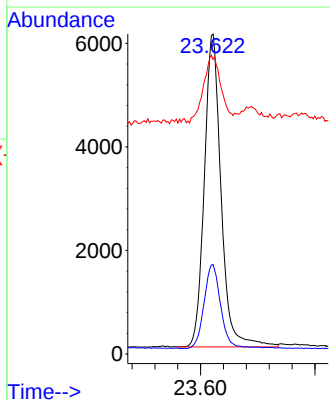
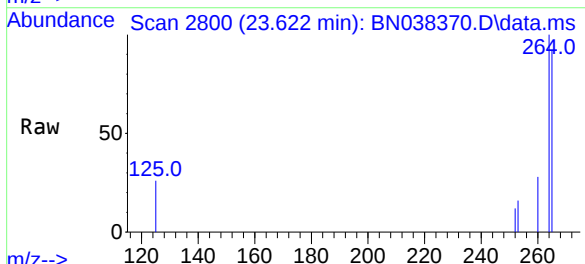
Manual Integrations
APPROVED

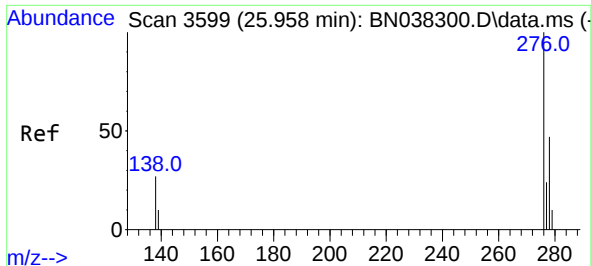
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

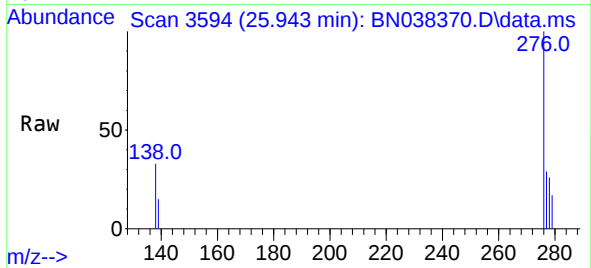
Tgt Ion:264 Resp: 12315
Ion Ratio Lower Upper
264 100
260 28.0 22.2 33.2
265 92.0 80.2 120.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.125 ng
RT: 25.943 min Scan# 3594
Delta R.T. -0.020 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

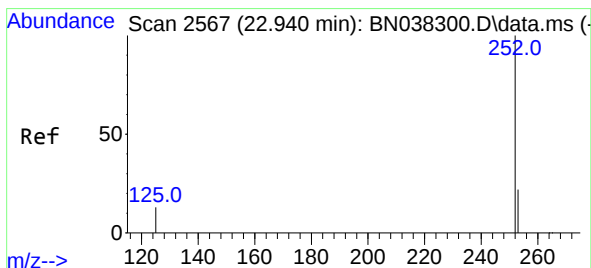
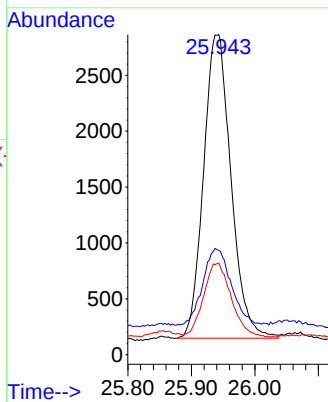
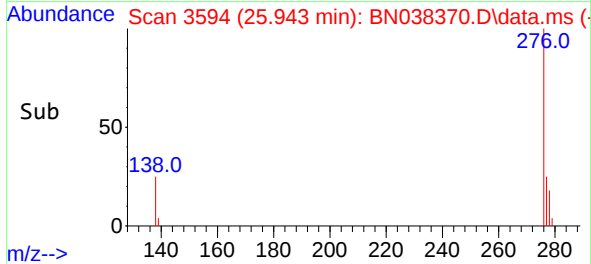
Instrument :
BNA_N
ClientSampleId :
COAN4



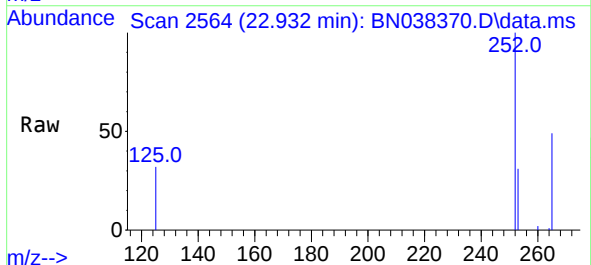
Tgt Ion:276 Resp: 8148
Ion Ratio Lower Upper
276 100
138 25.8 23.6 35.4
277 24.8 19.7 29.5

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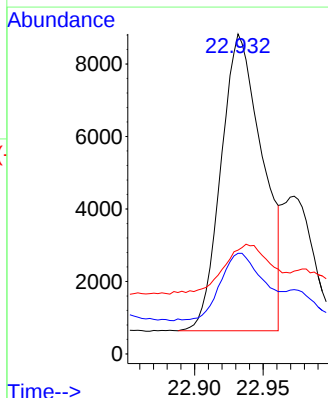
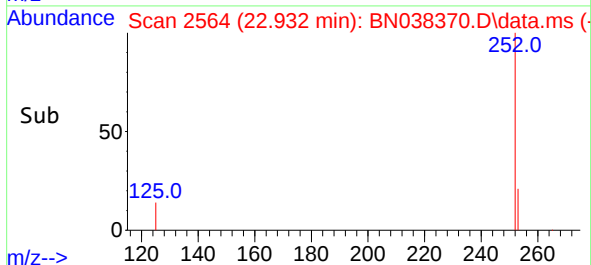
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

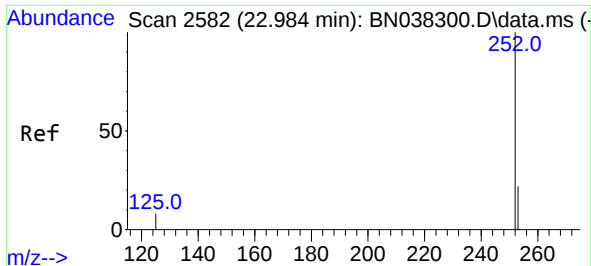


#37
Benzo(b)fluoranthene
Concen: 0.305 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.015 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40



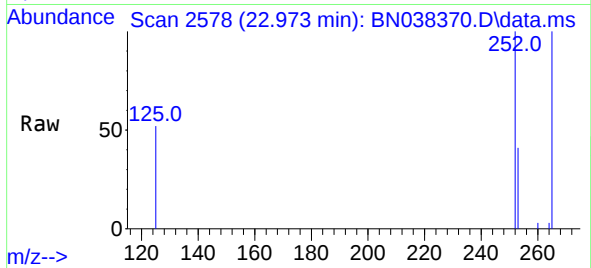
Tgt Ion:252 Resp: 17240
Ion Ratio Lower Upper
252 100
253 31.5 21.1 31.7
125 32.5 16.4 24.6#





#38
Benzo(k)fluoranthene
Concen: 0.108 ng m
RT: 22.973 min Scan# 21
Delta R.T. -0.017 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

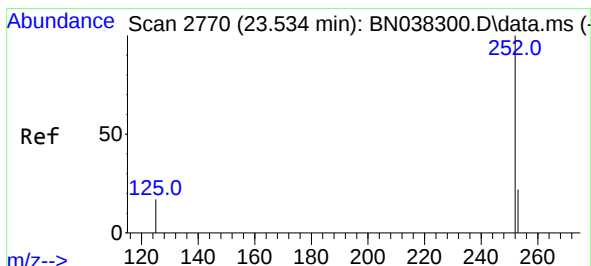
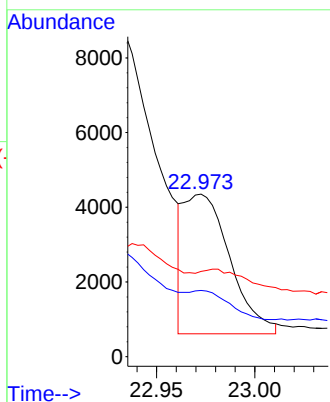
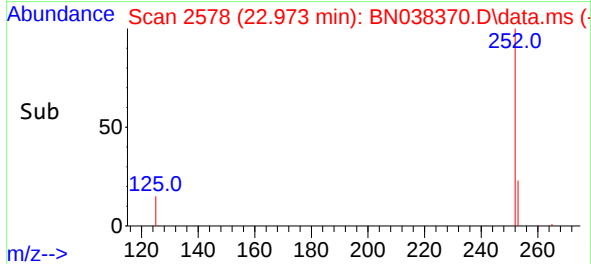
Instrument :
BNA_N
ClientSampleId :
COAN4



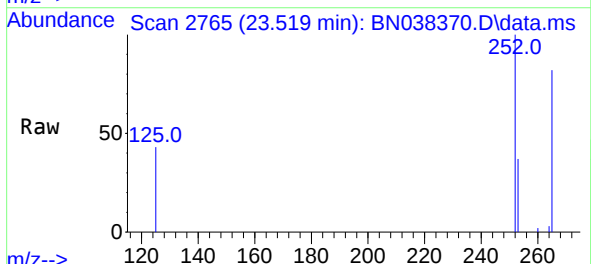
Tgt Ion:252 Resp: 610
Ion Ratio Lower Upper
252 100
253 40.8 21.4 32.0
125 52.5 16.2 24.2

Manual Integrations
APPROVED

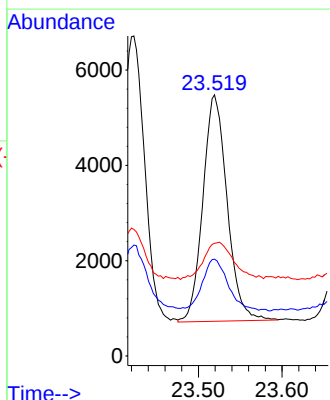
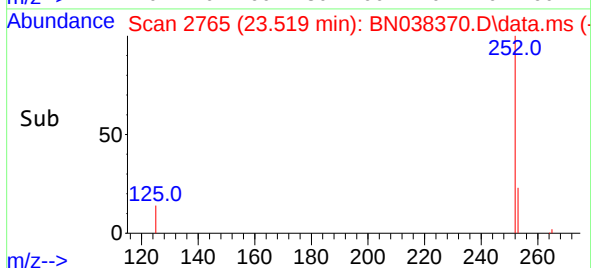
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

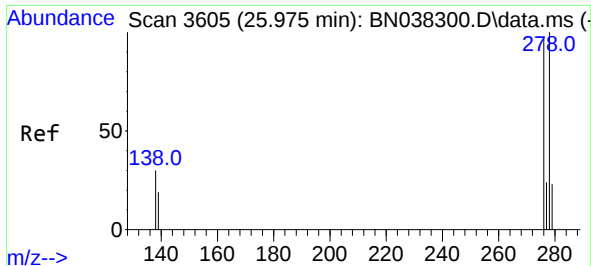


#39
Benzo(a)pyrene
Concen: 0.207 ng
RT: 23.519 min Scan# 2765
Delta R.T. -0.015 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40



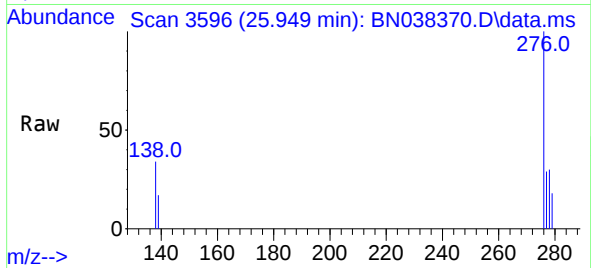
Tgt Ion:252 Resp: 9572
Ion Ratio Lower Upper
252 100
253 37.1 23.3 34.9#
125 43.1 22.4 33.6#





#40
Dibenzo(a,h)anthracene
Concen: 0.045 ng
RT: 25.949 min Scan# 31
Delta R.T. -0.032 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

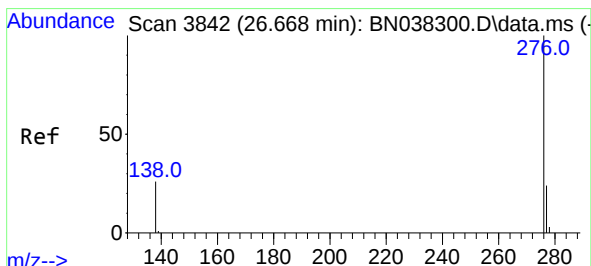
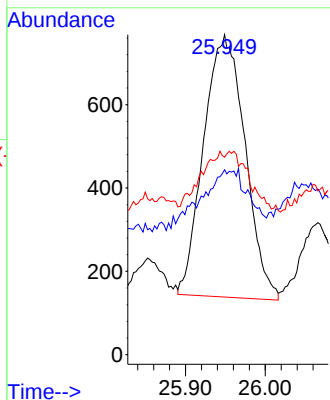
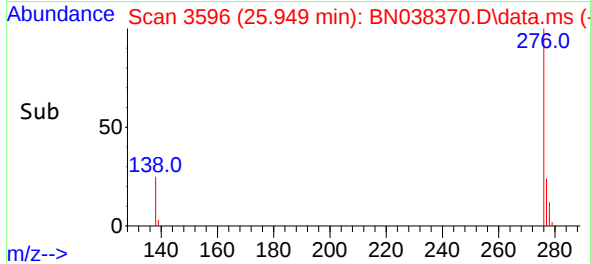
Instrument :
BNA_N
ClientSampleId :
C0AN4



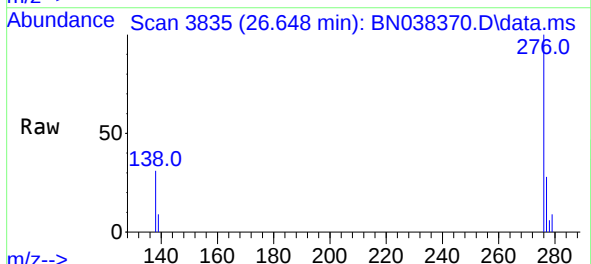
Tgt Ion:278 Resp: 226
Ion Ratio Lower Upper
278 100
139 57.8 17.8 26.8
279 61.7 21.3 31.9

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.184 ng
RT: 26.648 min Scan# 3835
Delta R.T. -0.029 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40



Tgt Ion:276 Resp: 10346
Ion Ratio Lower Upper
276 100
277 27.5 20.0 30.0
138 31.4 21.8 32.6

