

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038388.D
 Acq On : 13 Dec 2025 15:52
 Operator : RC/JU
 Sample : Q3839-10
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN6

Manual Integrations
 APPROVED

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

Quant Time: Dec 14 22:24:32 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	6242	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	17347	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	10090	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	16132	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	14312	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	16769	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3466	0.223	ng	0.00
5) Phenol-d6	6.879	99	3971	0.215	ng	0.00
8) Nitrobenzene-d5	8.865	82	4085	0.279	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	4633	0.189	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	1022	0.228	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	8928	0.184	ng	0.00
27) Fluoranthene-d10	19.178	212	6941	0.174	ng	0.00
31) Terphenyl-d14	19.782	244	6666	0.209	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.562	128	340548	6.641	ng	99
12) 2-Methylnaphthalene	12.192	142	302603	9.297	ng	98
16) Acenaphthylene	14.110	152	9273	0.187	ng	# 36
17) Acenaphthene	14.452	154	11375	0.330	ng	# 76
18) Fluorene	15.435	166	20819	0.469	ng	# 77
25) Phenanthrene	17.186	178	221159	3.939	ng	97
26) Anthracene	17.273	178	18429m	0.381	ng	
28) Fluoranthene	19.206	202	138670	2.324	ng	98
30) Pyrene	19.568	202	127993	1.817	ng	# 96
32) Benzo(a)anthracene	21.322	228	65697	1.188	ng	# 92
33) Chrysene	21.366	228	80947	1.330	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.259	149	12445	0.410	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.940	276	35384	0.398	ng	97
37) Benzo(b)fluoranthene	22.932	252	90674	1.177	ng	# 88
38) Benzo(k)fluoranthene	22.973	252	25280m	0.329	ng	
39) Benzo(a)pyrene	23.519	252	51705	0.820	ng	# 89
40) Dibenzo(a,h)anthracene	25.949	278	12207	0.178	ng	# 31
41) Benzo(g,h,i)perylene	26.651	276	54379	0.709	ng	95

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

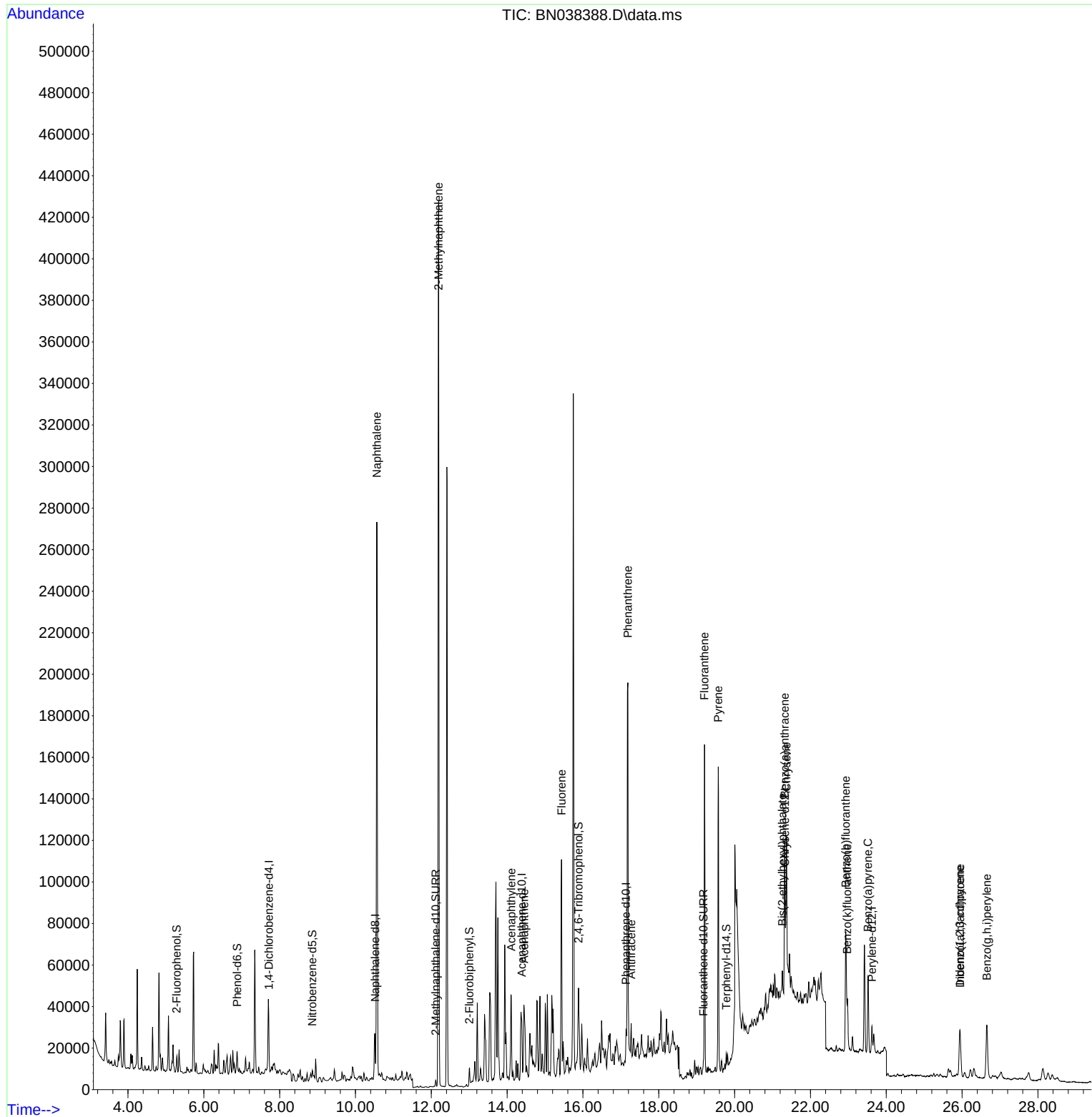
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038388.D
Acq On : 13 Dec 2025 15:52
Operator : RC/JU
Sample : Q3839-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

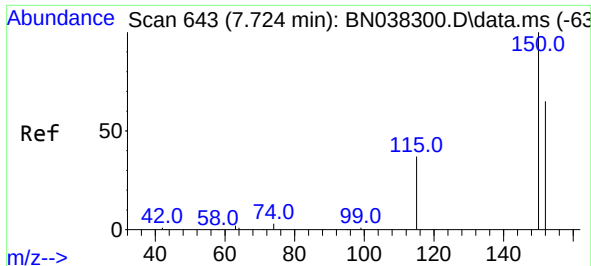
Instrument :
BNA_N
ClientSampleId :
C0AN6

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

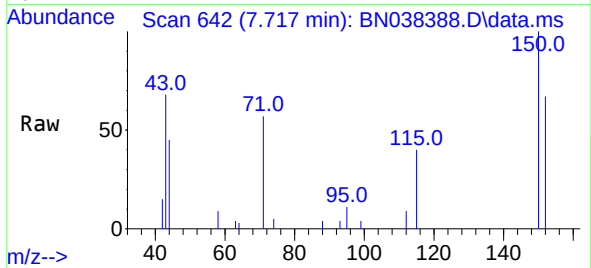
Quant Time: Dec 14 22:24:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 642
Delta R.T. -0.007 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

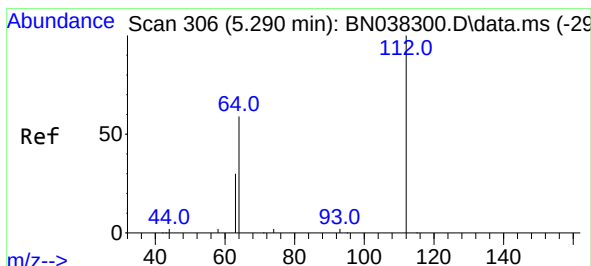
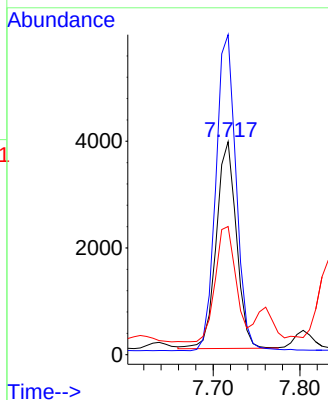
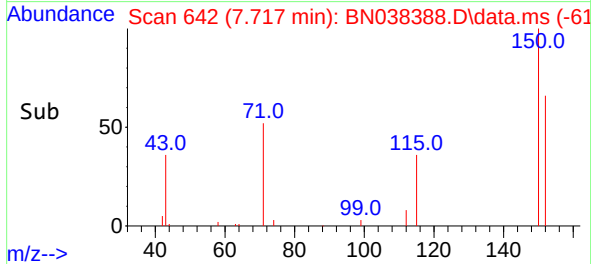
Instrument :
BNA_N
ClientSampleId :
COAN6



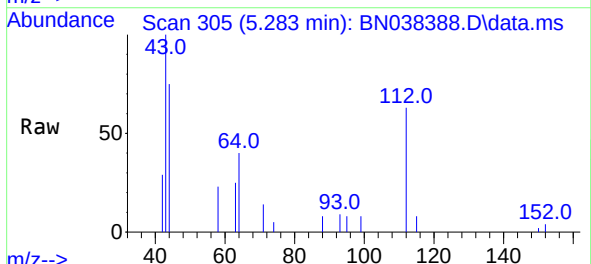
Tgt Ion:152 Resp: 624
Ion Ratio Lower Upper
152 100
150 150.3 122.4 183.6
115 60.2 47.3 70.9

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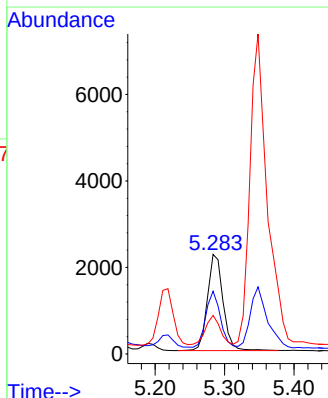
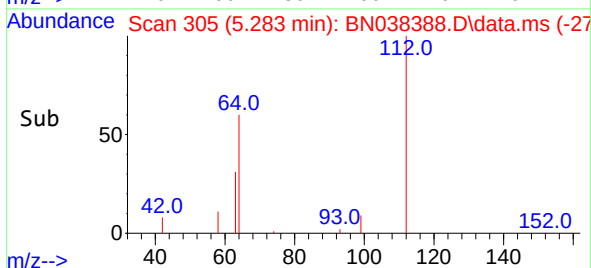
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

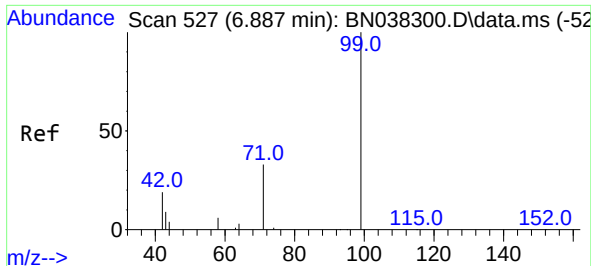


#4
2-Fluorophenol
Concen: 0.223 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52



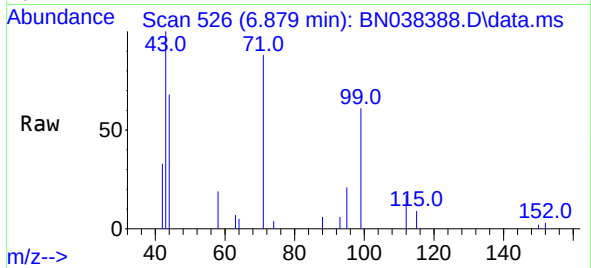
Tgt Ion:112 Resp: 3466
Ion Ratio Lower Upper
112 100
64 57.3 44.4 66.6
63 29.1 23.4 35.0





#5
Phenol-d6
Concen: 0.215 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

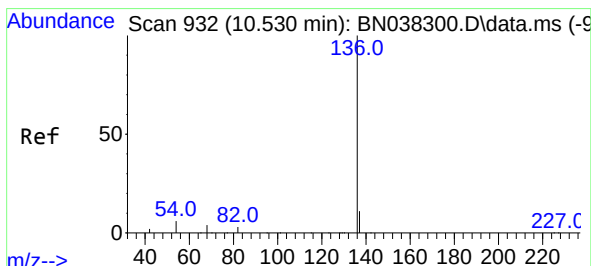
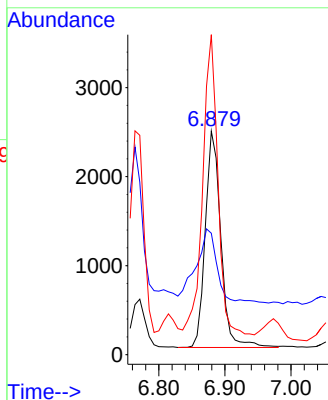
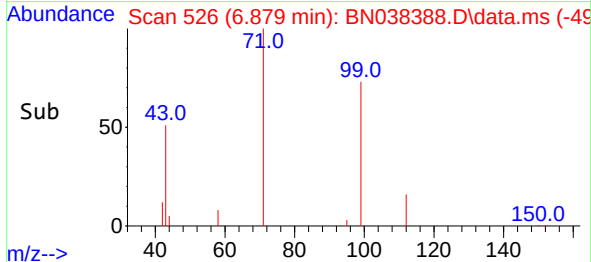
Instrument :
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ClientSampleId :
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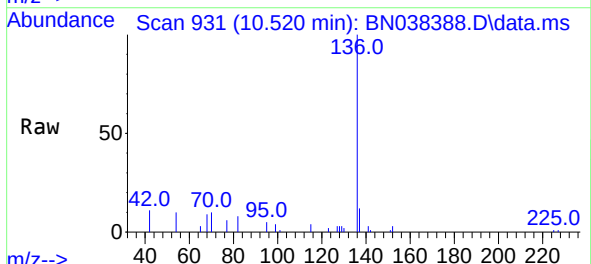
Tgt Ion: 99 Resp: 397
Ion Ratio Lower Upper
99 100
42 46.7 16.5 24.7
71 134.5 24.9 37.3

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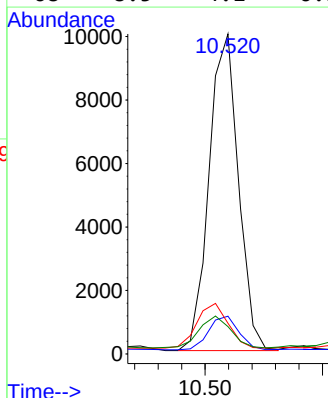
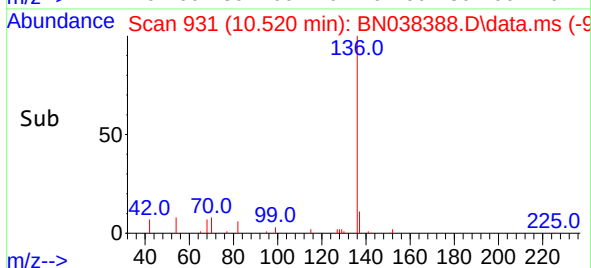
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

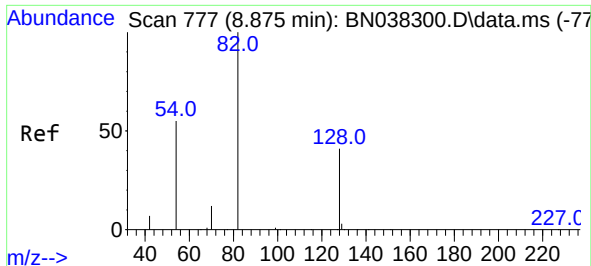


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52



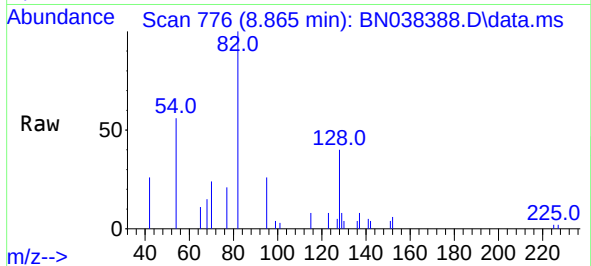
Tgt Ion:136 Resp: 17347
Ion Ratio Lower Upper
136 100
137 11.8 9.1 13.7
54 9.6 5.2 7.8#
68 8.5 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.279 ng
RT: 8.865 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

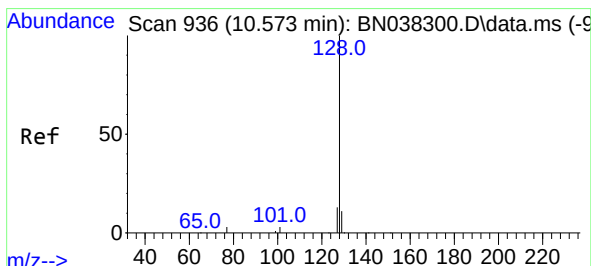
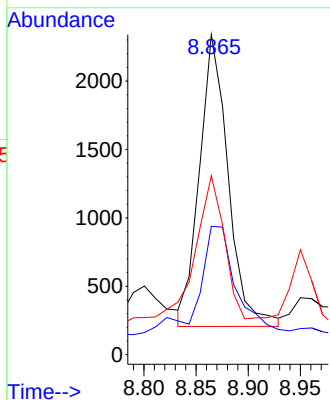
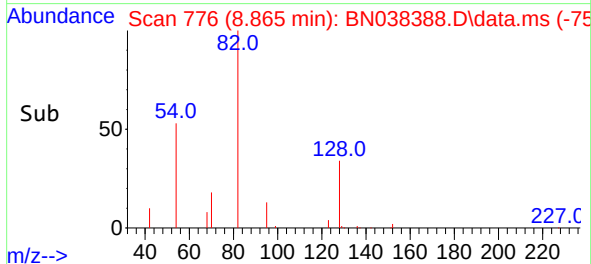
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 82 Resp: 408
Ion Ratio Lower Upper
82 100
128 40.1 34.0 51.0
54 55.9 44.4 66.6

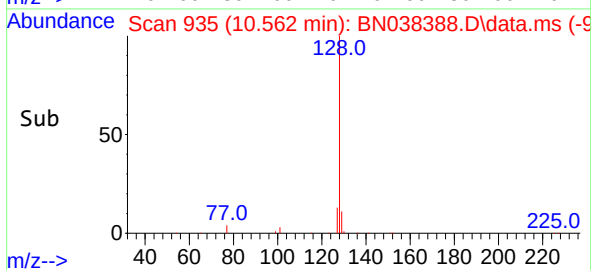
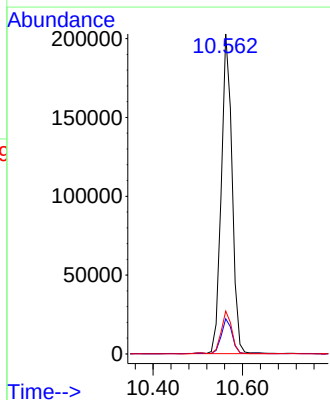
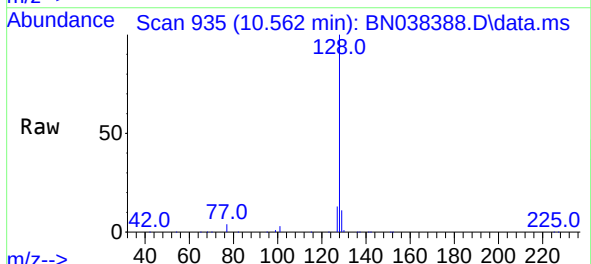
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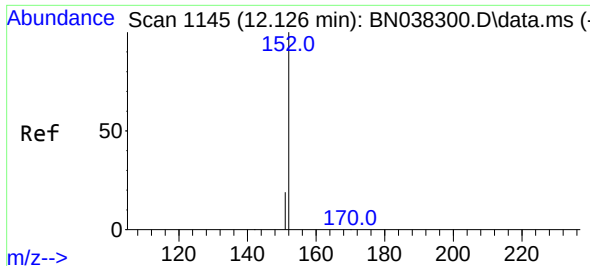
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#9
Naphthalene
Concen: 6.641 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

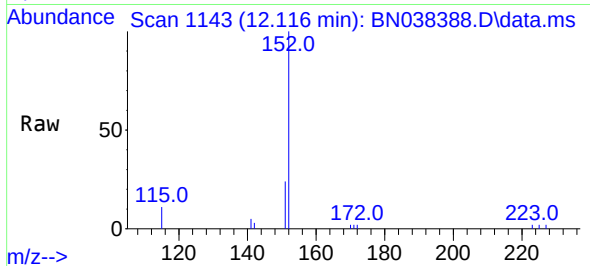
Tgt Ion:128 Resp: 340548
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 13.4 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.189 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

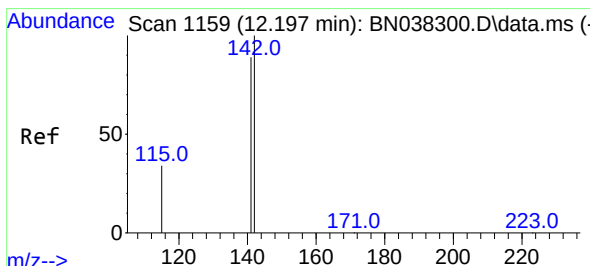
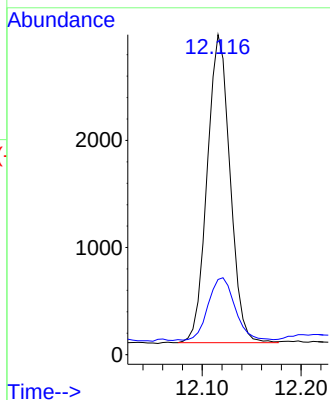
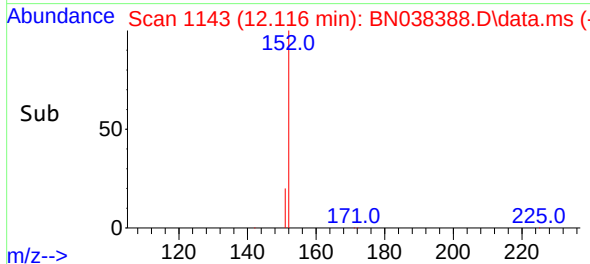
Instrument :
BNA_N
ClientSampleId :
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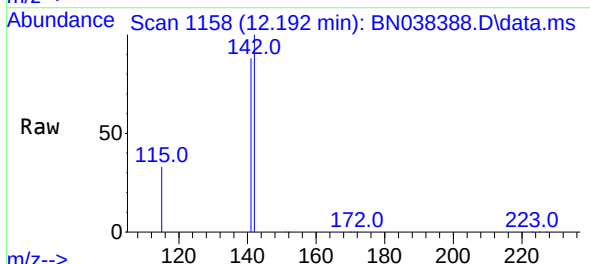
Tgt Ion:152 Resp: 463
Ion Ratio Lower Upper
152 100
151 23.9 17.0 25.6

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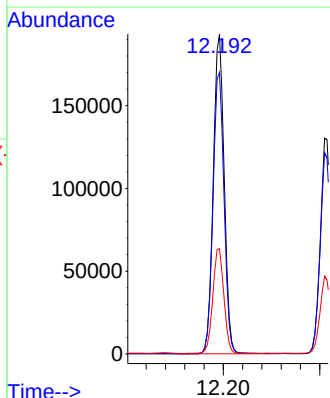
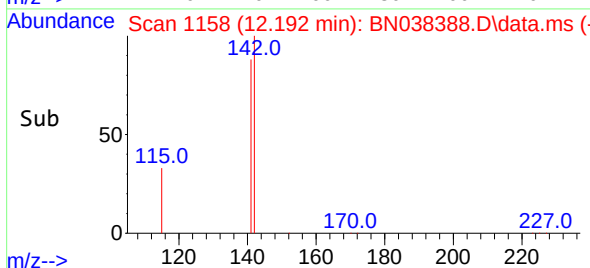
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

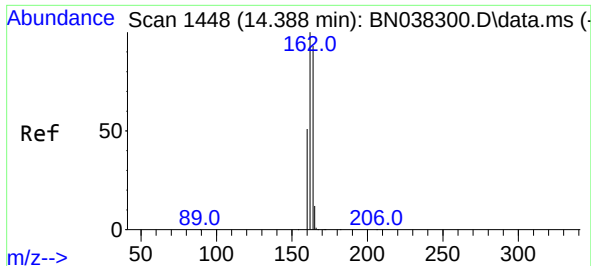


#12
2-Methylnaphthalene
Concen: 9.297 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52



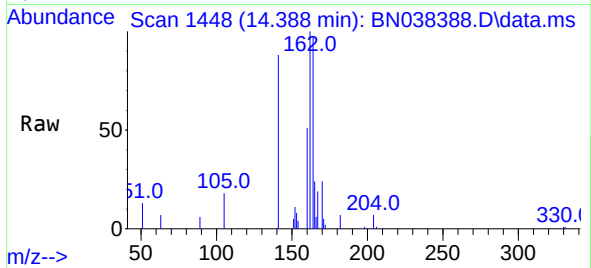
Tgt Ion:142 Resp: 302603
Ion Ratio Lower Upper
142 100
141 88.0 71.4 107.2
115 32.9 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

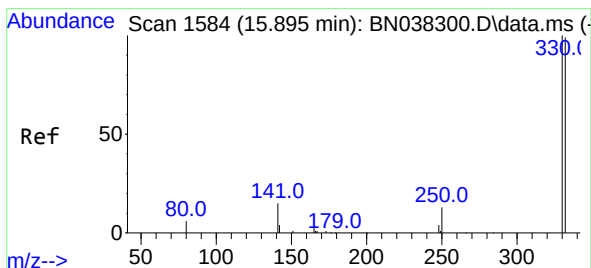
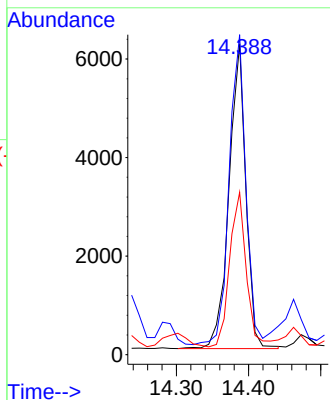
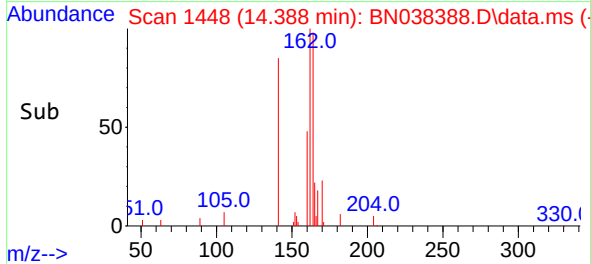
Instrument :
BNA_N
ClientSampleId :
COAN6



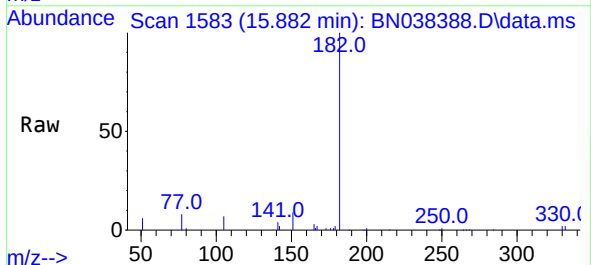
Tgt Ion:164 Resp: 10090
Ion Ratio Lower Upper
164 100
162 102.9 86.2 129.4
160 52.2 44.6 67.0

Manual Integrations
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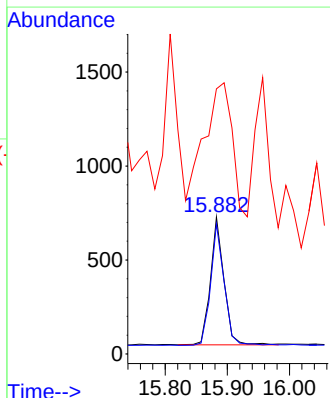
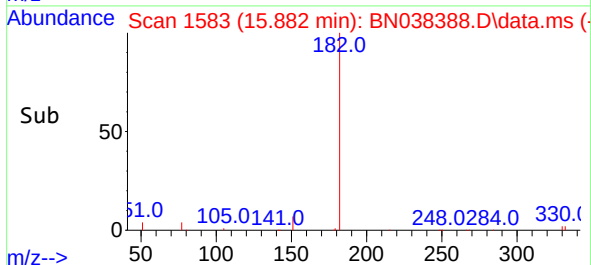
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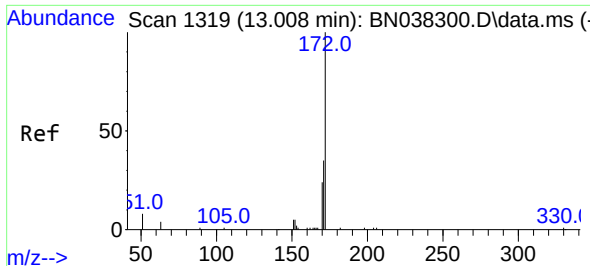


#14
2,4,6-Tribromophenol
Concen: 0.228 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52



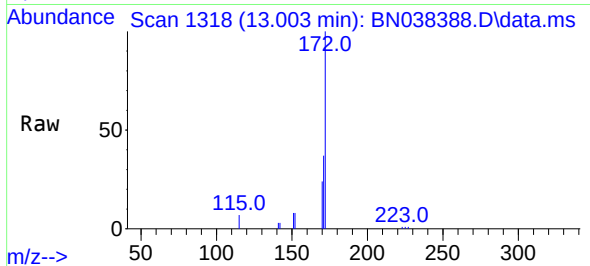
Tgt Ion:330 Resp: 1022
Ion Ratio Lower Upper
330 100
332 96.3 75.8 113.6
141 241.7 31.8 47.8#





#15
2-Fluorobiphenyl
Concen: 0.184 ng
RT: 13.003 min Scan# 1319
Delta R.T. -0.005 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

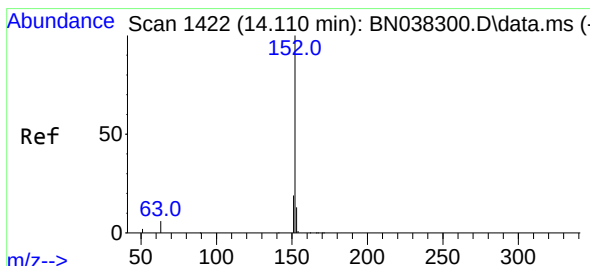
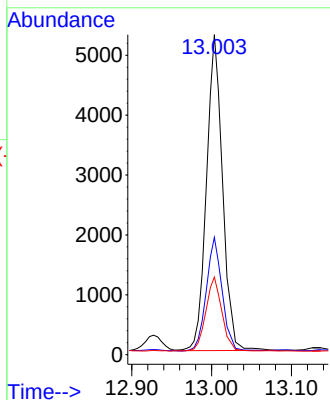
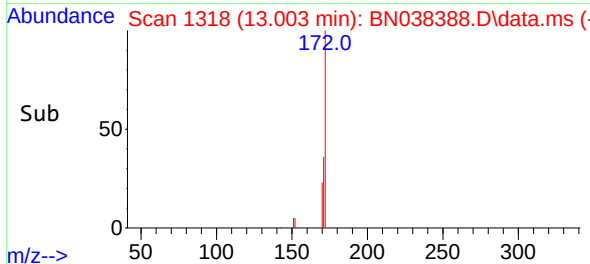
Instrument :
BNA_N
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COAN6



Tgt Ion:172 Resp: 8928
Ion Ratio Lower Upper
172 100
171 36.7 28.6 42.8
170 24.3 19.3 28.9

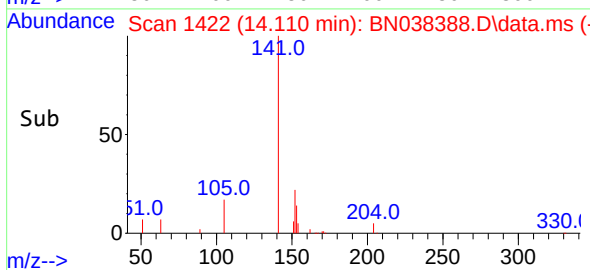
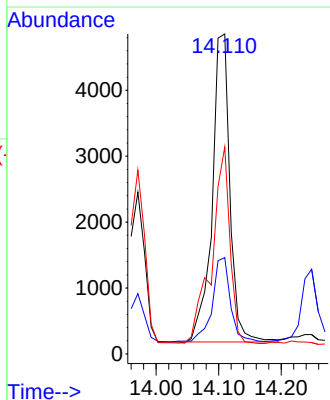
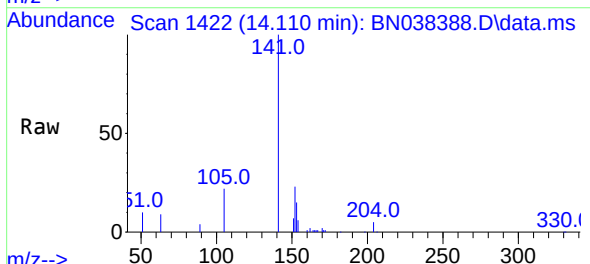
Manual Integrations
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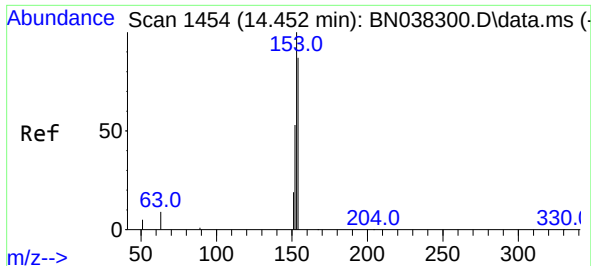
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#16
Acenaphthylene
Concen: 0.187 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

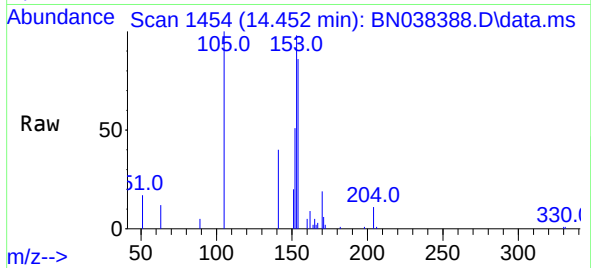
Tgt Ion:152 Resp: 9273
Ion Ratio Lower Upper
152 100
151 27.8 15.4 23.2#
153 65.1 10.2 15.4#





#17
Acenaphthene
Concen: 0.330 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

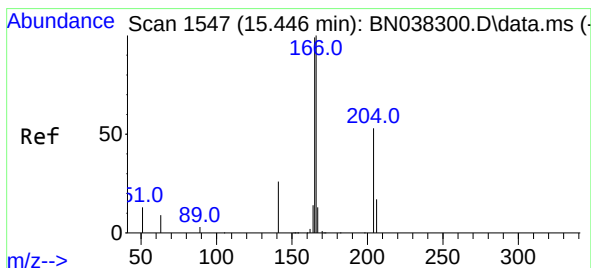
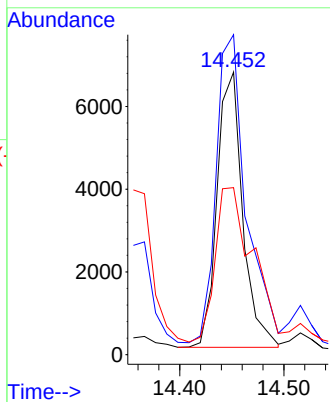
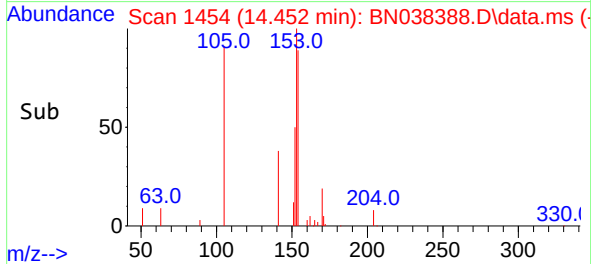
Instrument :
BNA_N
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Tgt Ion:154 Resp: 1137
Ion Ratio Lower Upper
154 100
153 133.0 89.8 134.8
152 82.9 47.5 71.3

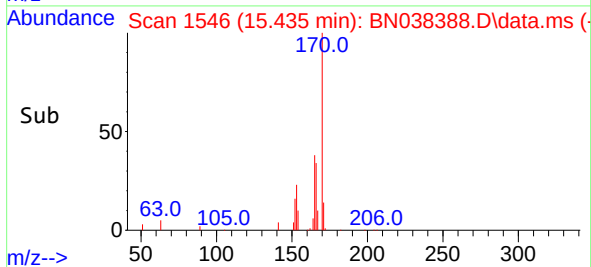
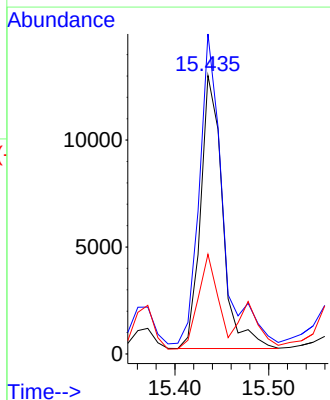
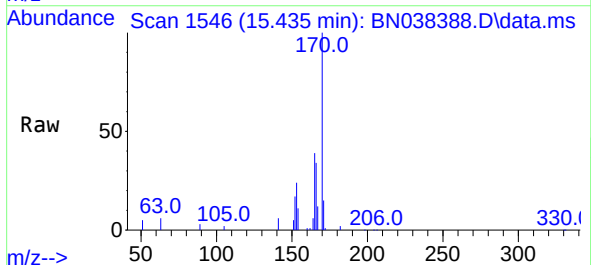
Manual Integrations
APPROVED

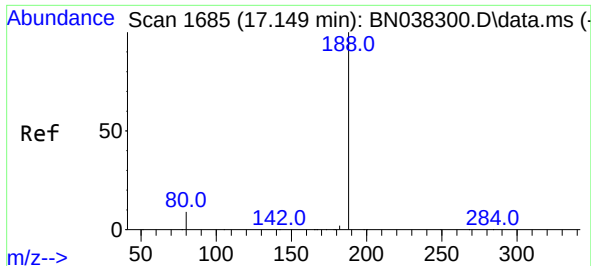
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#18
Fluorene
Concen: 0.469 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

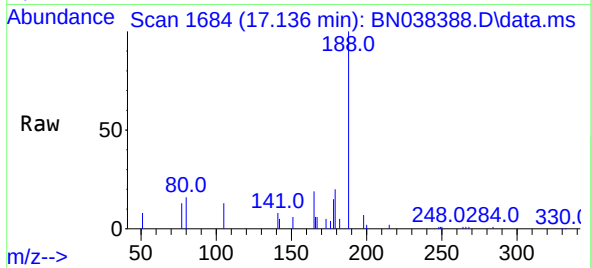
Tgt Ion:166 Resp: 20819
Ion Ratio Lower Upper
166 100
165 120.0 80.2 120.4
167 31.3 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

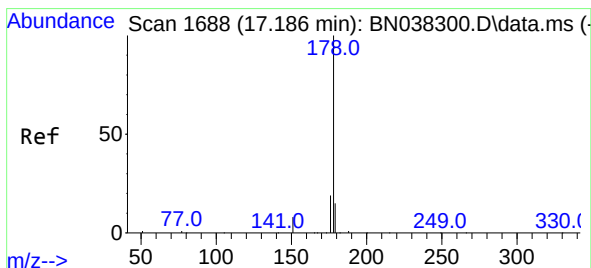
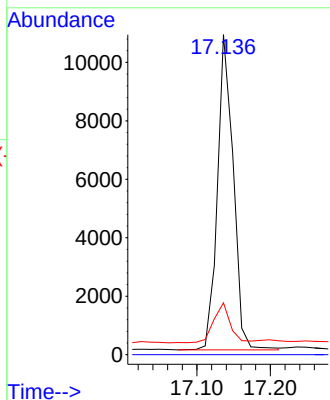
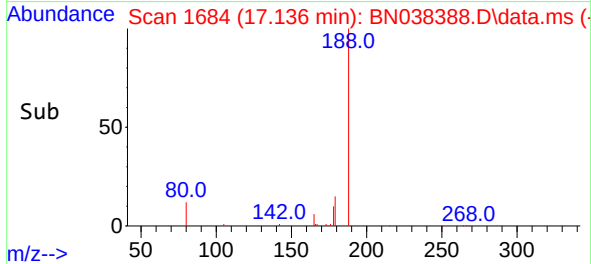
Instrument :
BNA_N
ClientSampleId :
COAN6



Tgt Ion:188 Resp: 16132
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.2 7.4 11.0

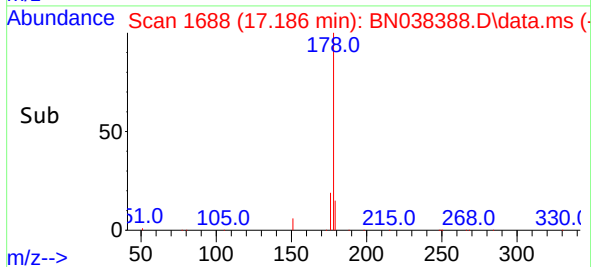
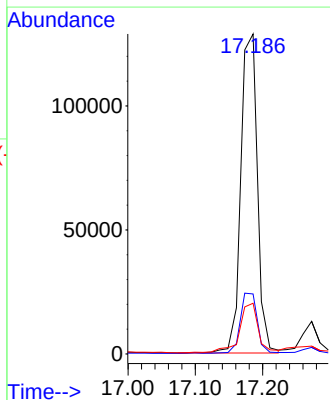
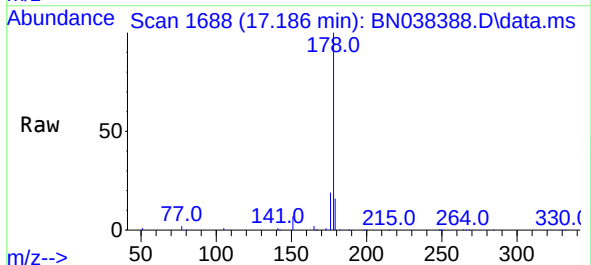
Manual Integrations
APPROVED

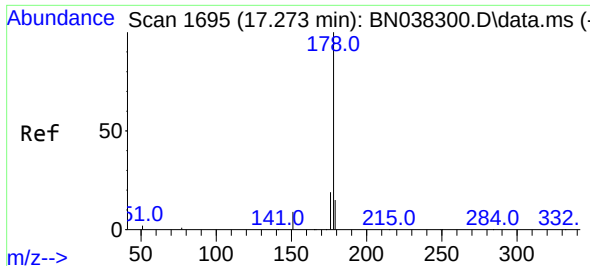
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#25
Phenanthrene
Concen: 3.939 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

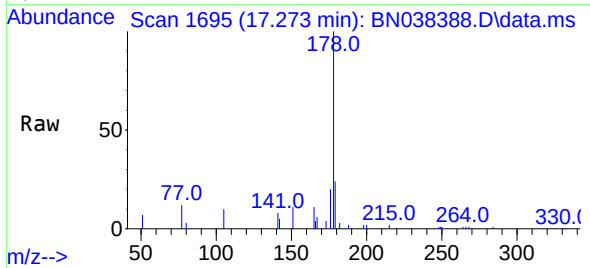
Tgt Ion:178 Resp: 221159
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 17.8 12.2 18.2





#26
 Anthracene
 Concen: 0.381 ng m
 RT: 17.273 min Scan# 1695
 Delta R.T. -0.012 min
 Lab File: BN038388.D
 Acq: 13 Dec 2025 15:52

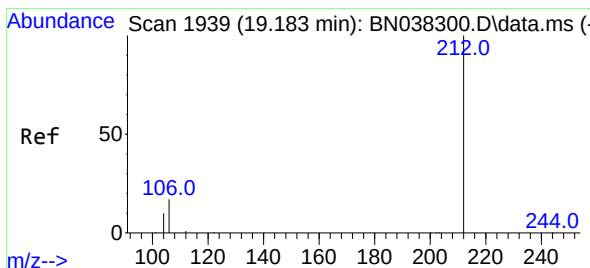
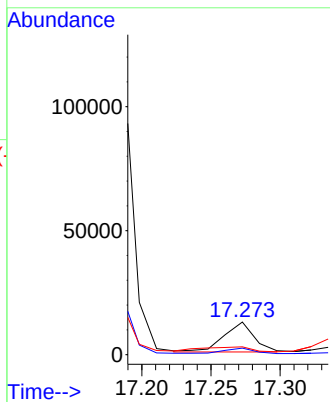
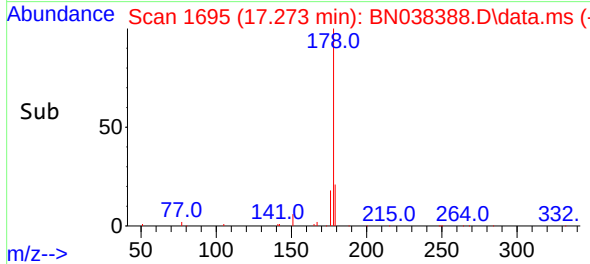
Instrument :
 BNA_N
 ClientSampleId :
 COAN6



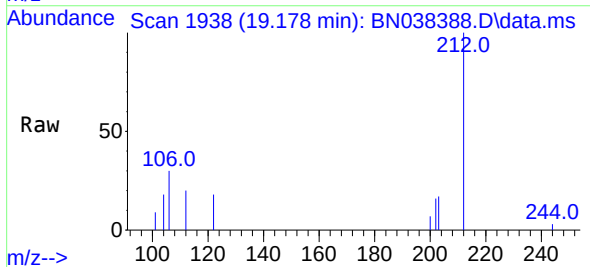
Tgt Ion:178 Resp: 18429
 Ion Ratio Lower Upper
 178 100
 176 227.4 15.1 22.7
 179 202.4 12.0 18.0

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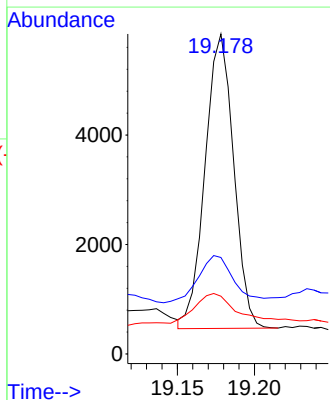
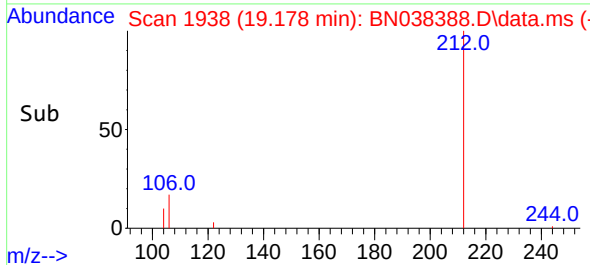
Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

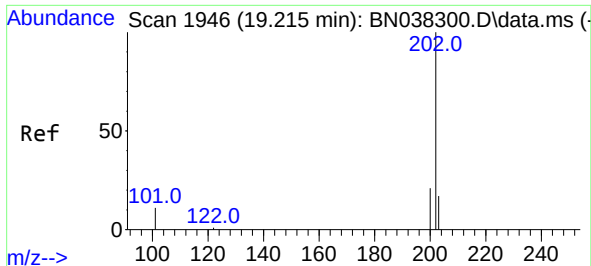


#27
 Fluoranthene-d10
 Concen: 0.174 ng
 RT: 19.178 min Scan# 1938
 Delta R.T. -0.009 min
 Lab File: BN038388.D
 Acq: 13 Dec 2025 15:52



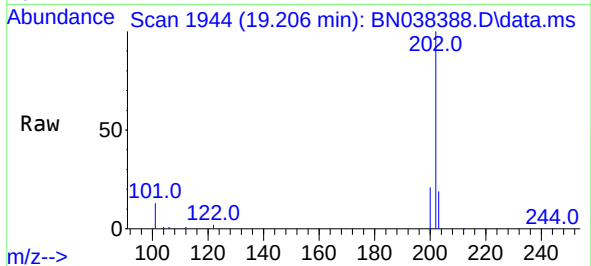
Tgt Ion:212 Resp: 6941
 Ion Ratio Lower Upper
 212 100
 106 20.5 13.7 20.5
 104 16.1 7.8 11.8





#28
Fluoranthene
Concen: 2.324 ng
RT: 19.206 min Scan# 1946
Delta R.T. -0.014 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

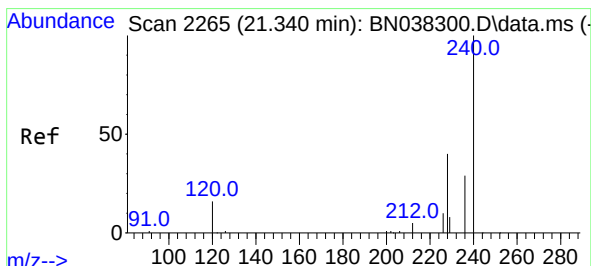
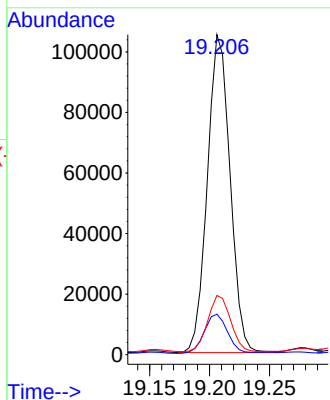
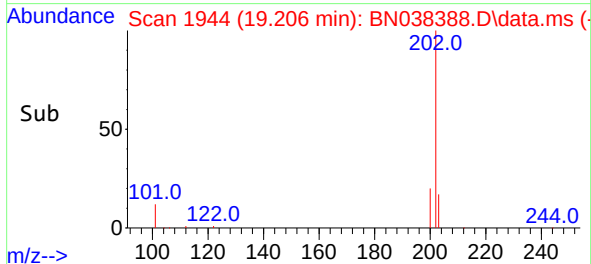
Instrument :
BNA_N
ClientSampleId :
COAN6



Tgt Ion:202 Resp: 138670
Ion Ratio Lower Upper
202 100
101 12.6 9.6 14.4
203 17.7 13.5 20.3

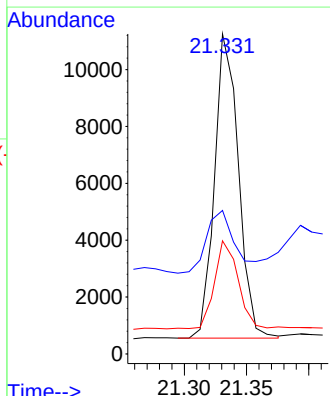
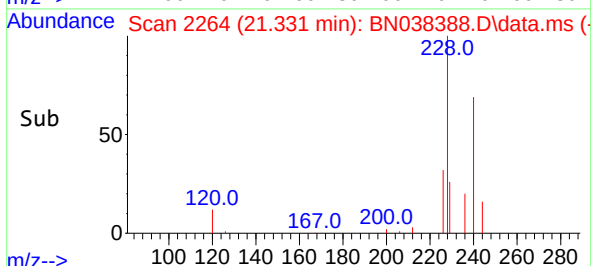
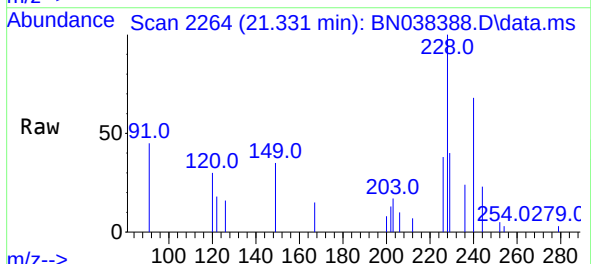
Manual Integrations
APPROVED

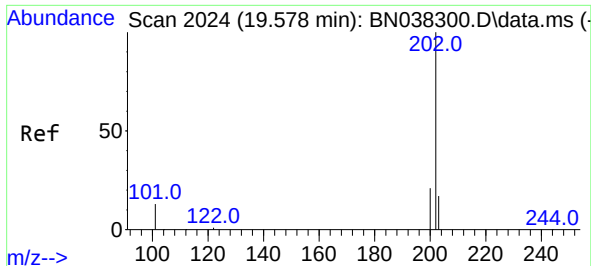
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

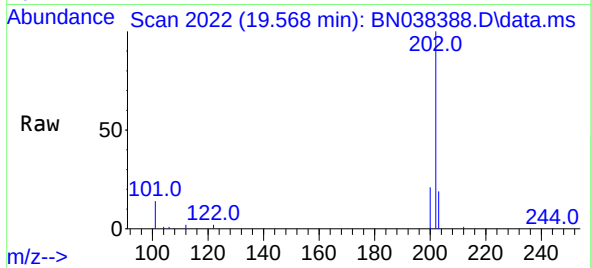
Tgt Ion:240 Resp: 14312
Ion Ratio Lower Upper
240 100
120 44.9 15.4 23.2#
236 35.3 23.9 35.9





#30
Pyrene
Concen: 1.817 ng
RT: 19.568 min Scan# 2022
Delta R.T. -0.014 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

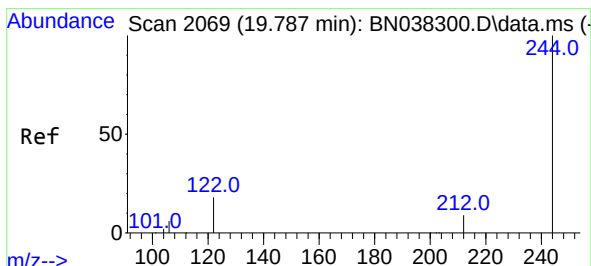
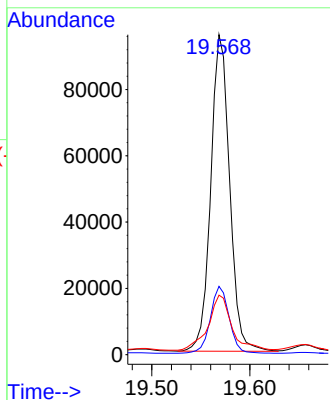
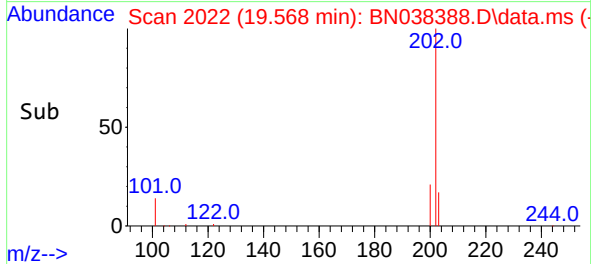
Instrument :
BNA_N
ClientSampleId :
COAN6



Tgt Ion:202 Resp: 12799
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 21.5 14.2 21.2

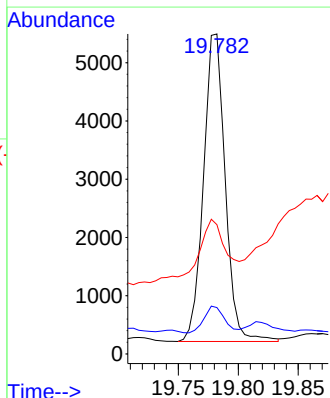
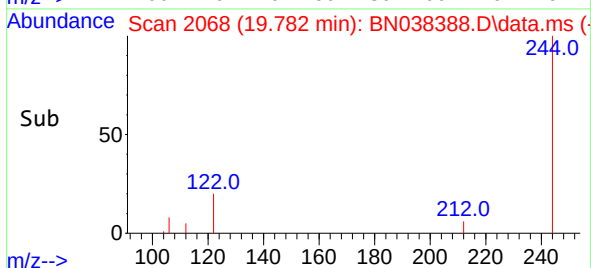
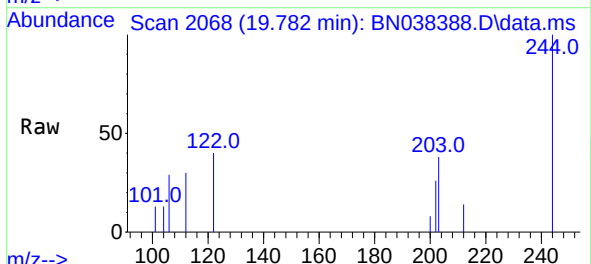
Manual Integrations
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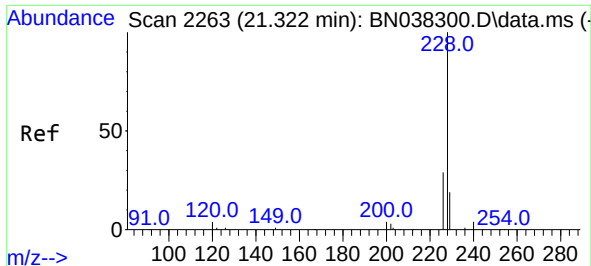
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#31
Terphenyl-d14
Concen: 0.209 ng
RT: 19.782 min Scan# 2068
Delta R.T. -0.009 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

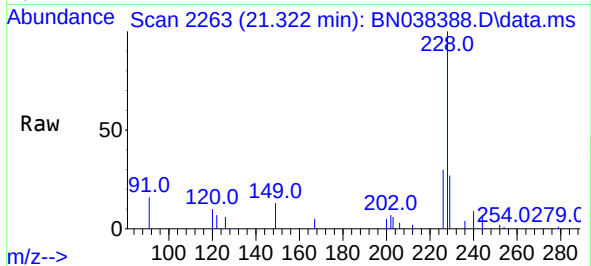
Tgt Ion:244 Resp: 6666
Ion Ratio Lower Upper
244 100
212 14.5 7.9 11.9#
122 40.4 15.0 22.6#





#32
Benzo(a)anthracene
Concen: 1.188 ng
RT: 21.322 min Scan# 2132
Delta R.T. -0.009 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

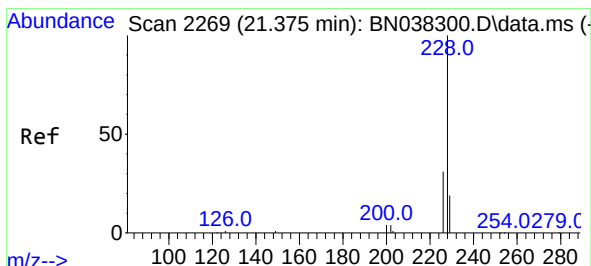
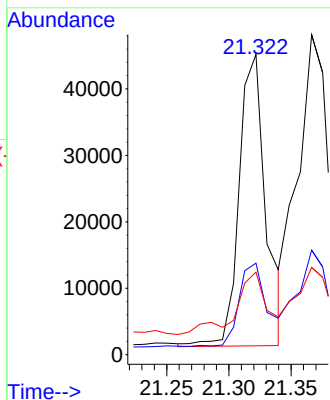
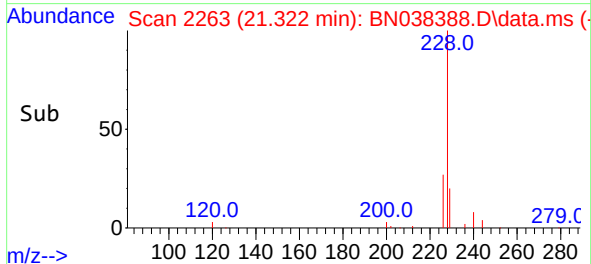
Instrument :
BNA_N
ClientSampleId :
COAN6



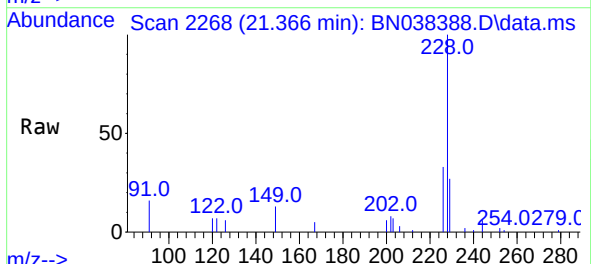
Tgt Ion:228 Resp: 6569
Ion Ratio Lower Upper
228 100
226 30.5 23.3 34.9
229 27.5 15.7 23.5

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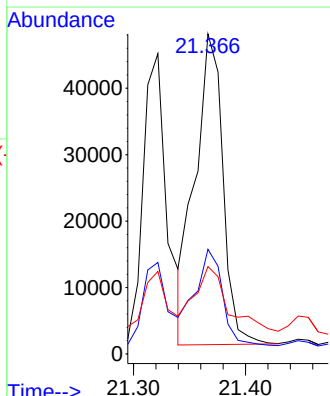
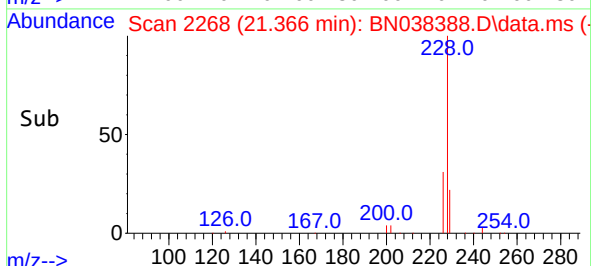
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

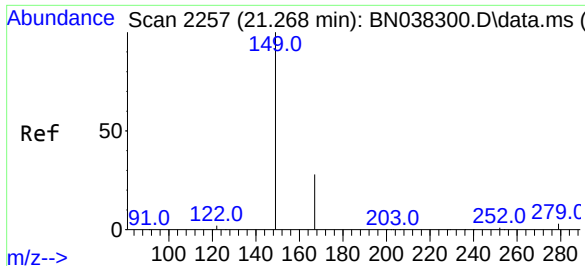


#33
Chrysene
Concen: 1.330 ng
RT: 21.366 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52



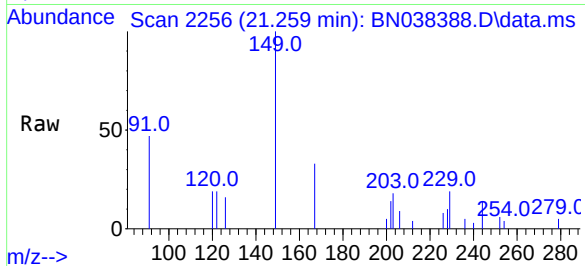
Tgt Ion:228 Resp: 80947
Ion Ratio Lower Upper
228 100
226 32.7 25.0 37.4
229 27.3 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.410 ng
RT: 21.259 min Scan# 2124
Delta R.T. -0.009 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

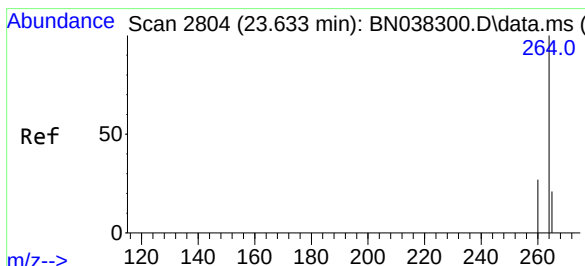
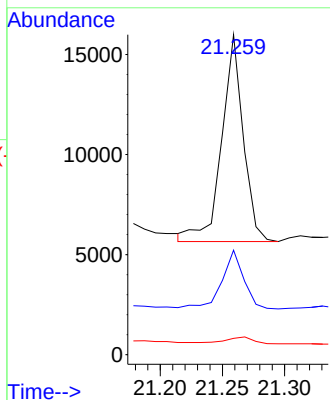
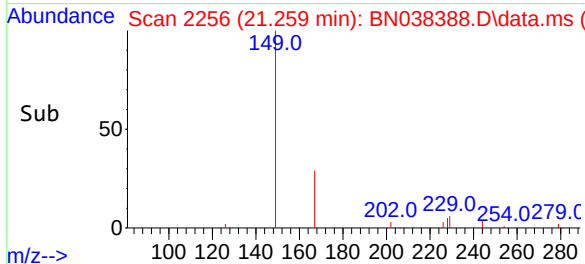
Instrument :
BNA_N
ClientSampleId :
COAN6



Tgt Ion:149 Resp: 12445
Ion Ratio Lower Upper
149 100
167 28.9 21.4 32.0
279 4.3 2.4 3.6

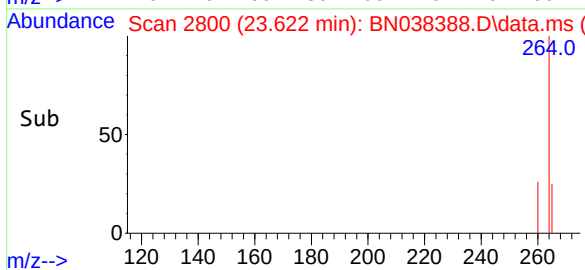
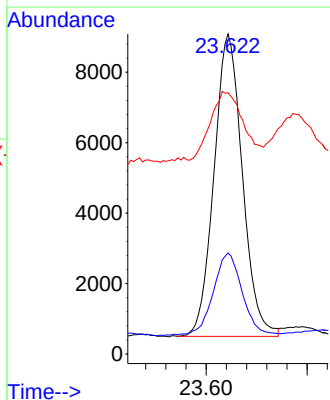
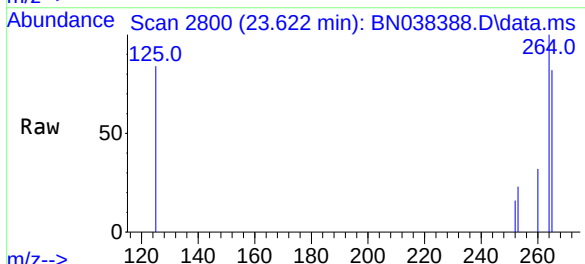
Manual Integrations
APPROVED

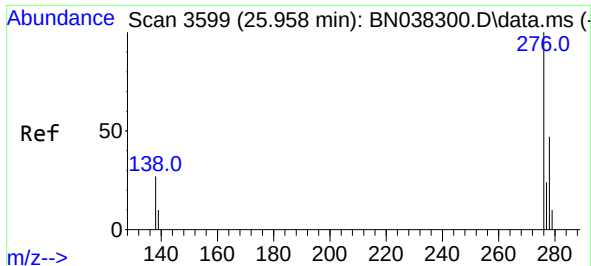
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

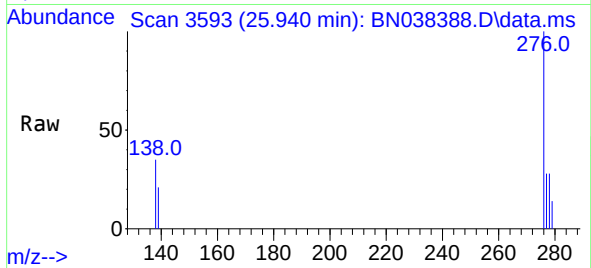
Tgt Ion:264 Resp: 16769
Ion Ratio Lower Upper
264 100
260 31.5 22.2 33.2
265 81.6 80.2 120.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng
RT: 25.940 min Scan# 3599
Delta R.T. -0.023 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

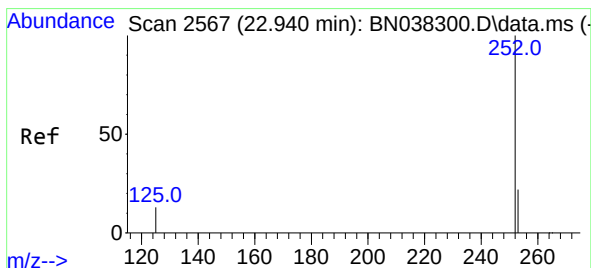
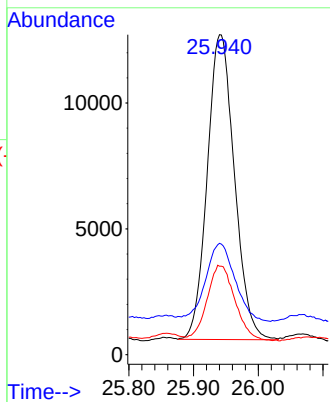
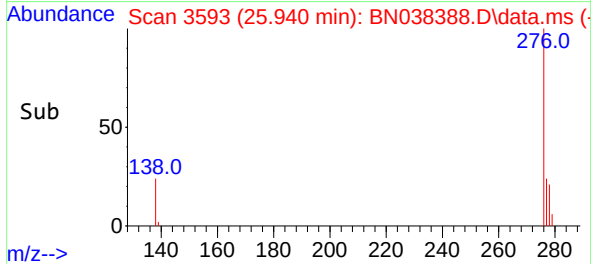
Instrument :
BNA_N
ClientSampleId :
COAN6



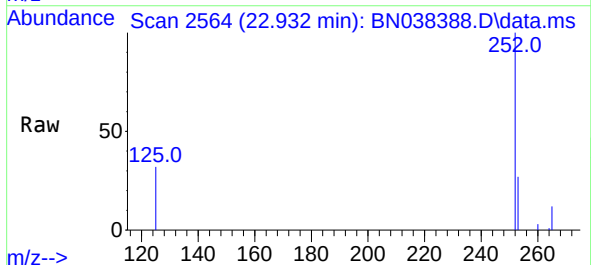
Tgt Ion:276 Resp: 35384
Ion Ratio Lower Upper
276 100
138 27.5 23.6 35.4
277 25.4 19.7 29.5

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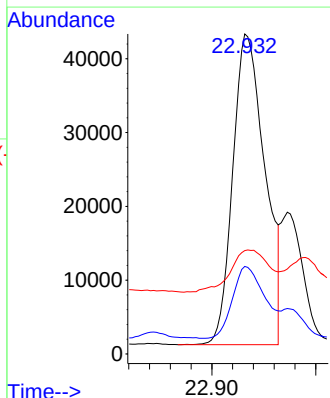
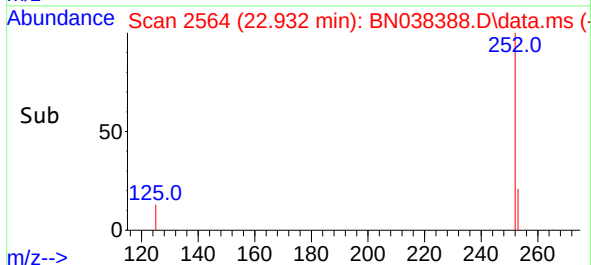
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

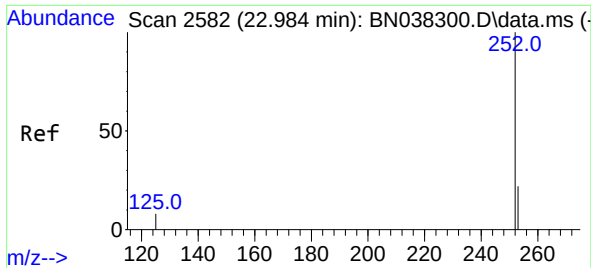


#37
Benzo(b)fluoranthene
Concen: 1.177 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.015 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52



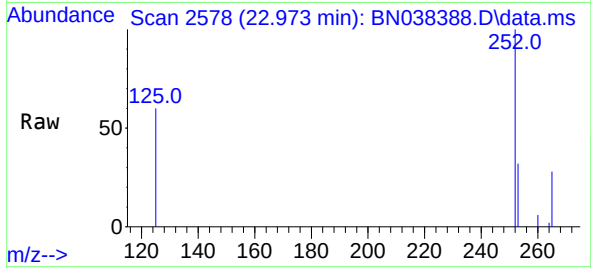
Tgt Ion:252 Resp: 90674
Ion Ratio Lower Upper
252 100
253 27.3 21.1 31.7
125 32.3 16.4 24.6#





#38
Benzo(k)fluoranthene
Concen: 0.329 ng m
RT: 22.973 min Scan# 21
Delta R.T. -0.017 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

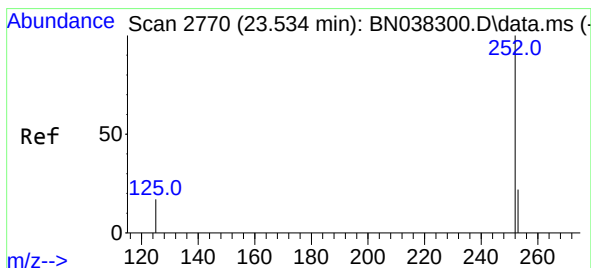
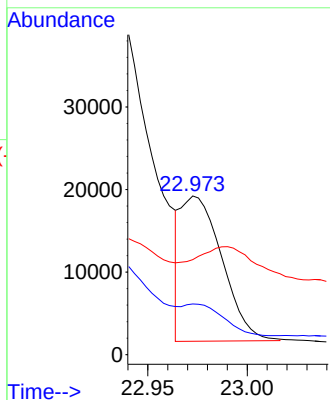
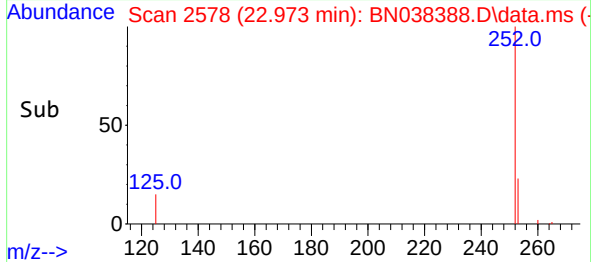
Instrument :
BNA_N
ClientSampleId :
COAN6



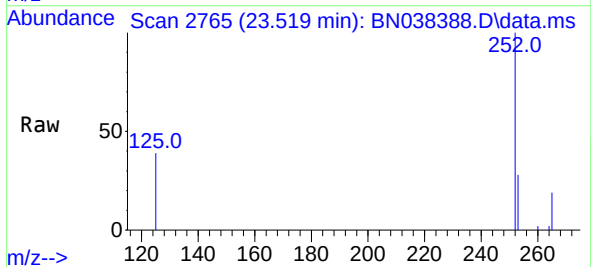
Tgt Ion:252 Resp: 25280
Ion Ratio Lower Upper
252 100
253 32.0 21.4 32.0
125 59.9 16.2 24.2

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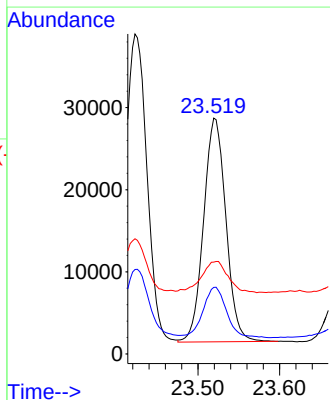
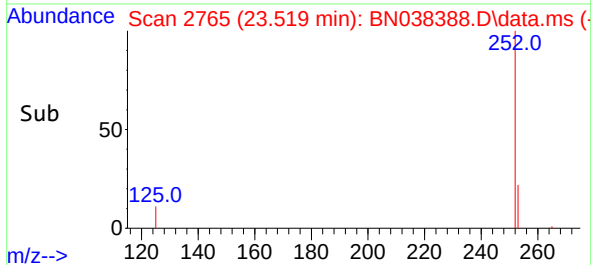
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

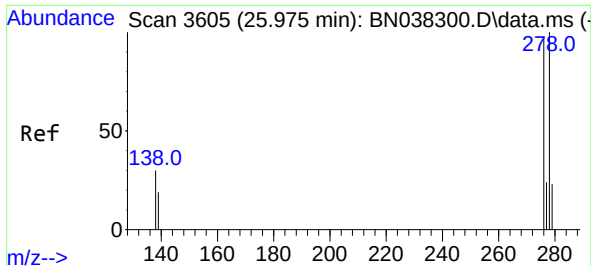


#39
Benzo(a)pyrene
Concen: 0.820 ng
RT: 23.519 min Scan# 2765
Delta R.T. -0.015 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52



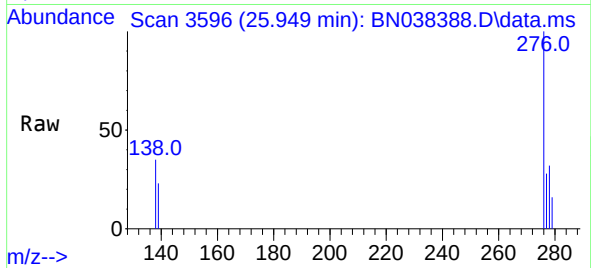
Tgt Ion:252 Resp: 51705
Ion Ratio Lower Upper
252 100
253 28.2 23.3 34.9
125 38.9 22.4 33.6





#40
Dibenzo(a,h)anthracene
Concen: 0.178 ng
RT: 25.949 min Scan# 31
Delta R.T. -0.032 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52

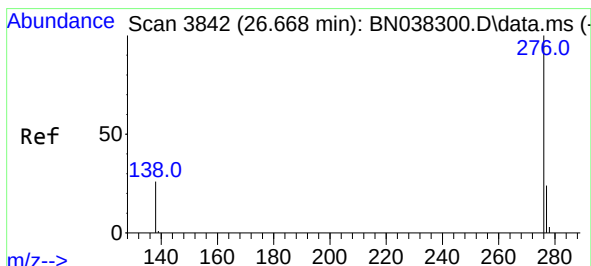
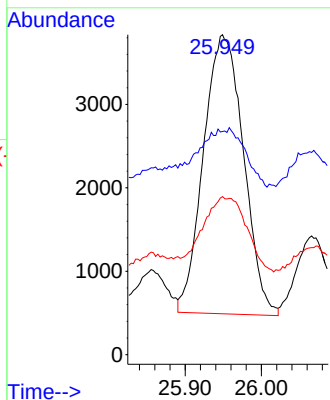
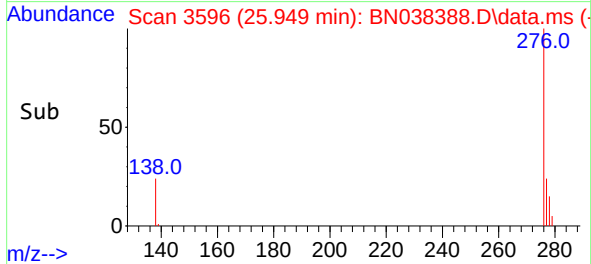
Instrument :
BNA_N
ClientSampleId :
COAN6



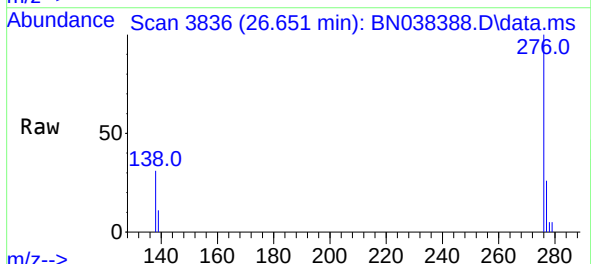
Tgt Ion:278 Resp: 1220
Ion Ratio Lower Upper
278 100
139 69.7 17.8 26.8
279 49.4 21.3 31.9

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.709 ng
RT: 26.651 min Scan# 3836
Delta R.T. -0.026 min
Lab File: BN038388.D
Acq: 13 Dec 2025 15:52



Tgt Ion:276 Resp: 54379
Ion Ratio Lower Upper
276 100
277 25.9 20.0 30.0
138 31.2 21.8 32.6

