

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038407.D
 Acq On : 15 Dec 2025 16:33
 Operator : RC/JU
 Sample : Q3839-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN4

Quant Time: Dec 15 17:01:24 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)

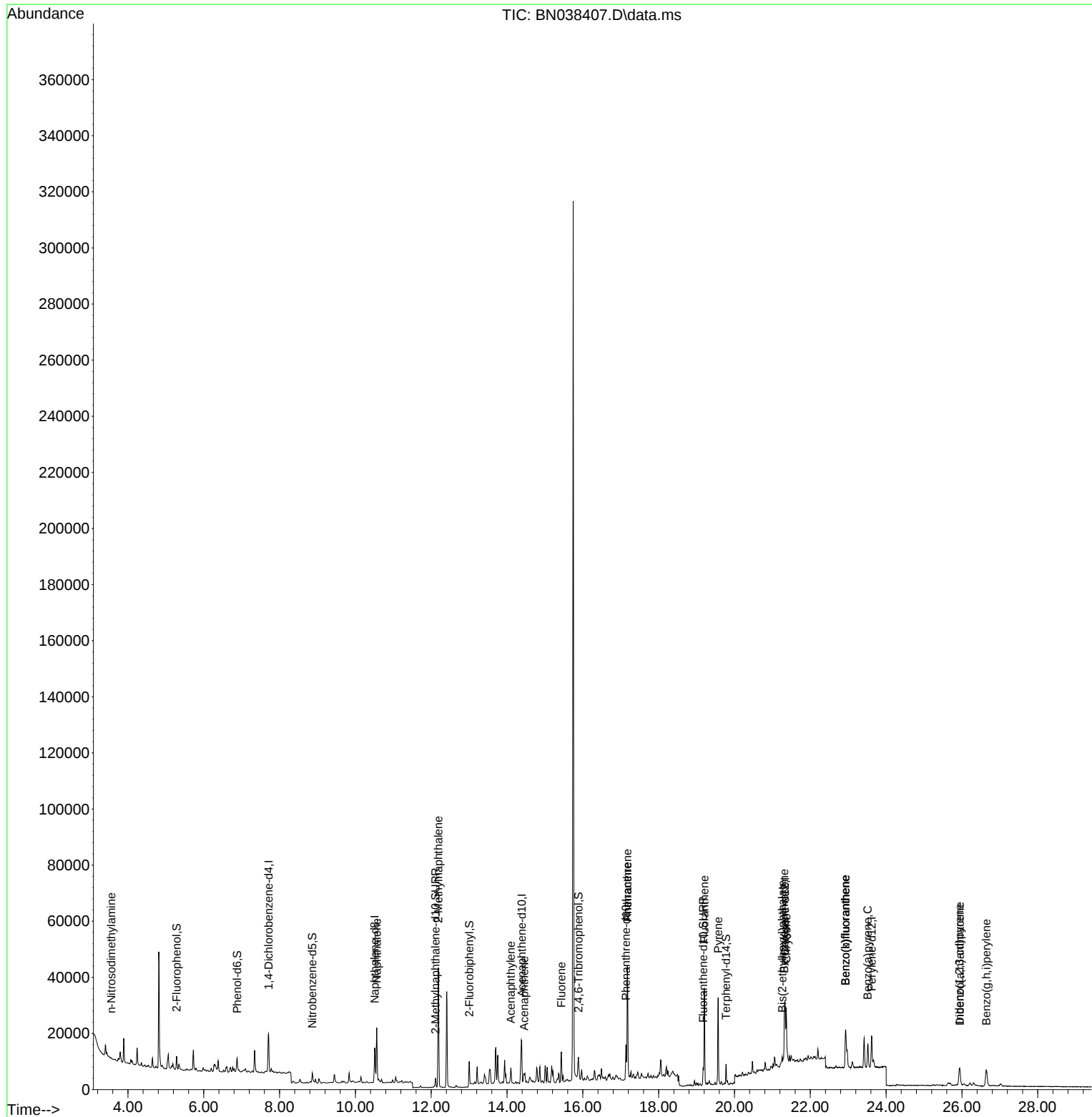
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	5454	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	15212	0.400	ng	#-0.02
13) Acenaphthene-d10	14.388	164	8408	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	15491	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	14423	0.400	ng	0.00
35) Perylene-d12	23.619	264	15537	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3311	0.244	ng	0.00
5) Phenol-d6	6.879	99	3707	0.230	ng	0.00
8) Nitrobenzene-d5	8.865	82	2831	0.221	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	4478	0.209	ng	-0.01
14) 2,4,6-Tribromophenol	15.883	330	1160	0.311	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	10325	0.255	ng	0.00
27) Fluoranthene-d10	19.174	212	6920	0.181	ng	-0.01
31) Terphenyl-d14	19.778	244	6299	0.196	ng	-0.01
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.557	42	214	0.027	ng	# 3
9) Naphthalene	10.562	128	25544	0.568	ng	100
12) 2-Methylnaphthalene	12.187	142	30803	1.079	ng	99
16) Acenaphthylene	14.099	152	1678	0.041	ng	# 50
17) Acenaphthene	14.452	154	1116	0.039	ng	# 54
18) Fluorene	15.435	166	3086	0.083	ng	# 81
25) Phenanthrene	17.173	178	44755	0.830	ng	98
26) Anthracene	17.173	178	44600	0.959	ng	98
28) Fluoranthene	19.206	202	30316	0.529	ng	97
30) Pyrene	19.568	202	27122	0.382	ng	96
32) Benzo(a)anthracene	21.313	228	16219	0.291	ng	# 92
33) Chrysene	21.366	228	19768	0.322	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.259	149	2539	0.083	ng	# 100
36) Indeno(1,2,3-cd)pyrene	25.934	276	10084	0.122	ng	96
37) Benzo(b)fluoranthene	22.929	252	22227	0.311	ng	# 88
38) Benzo(k)fluoranthene	22.929	252	22227	0.312	ng	# 88
39) Benzo(a)pyrene	23.516	252	12137	0.208	ng	# 83
40) Dibenzo(a,h)anthracene	25.946	278	2767	0.044	ng	# 37
41) Benzo(g,h,i)perylene	26.645	276	12659	0.178	ng	95

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

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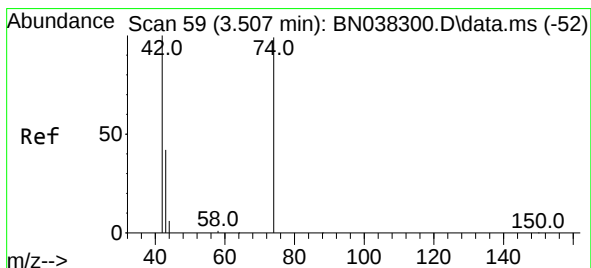
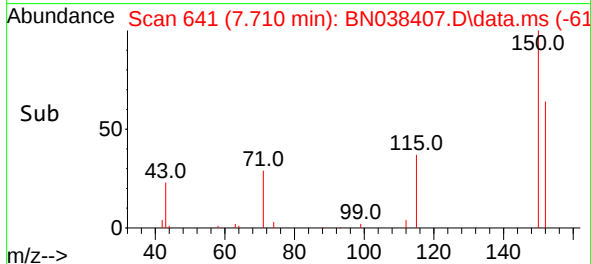
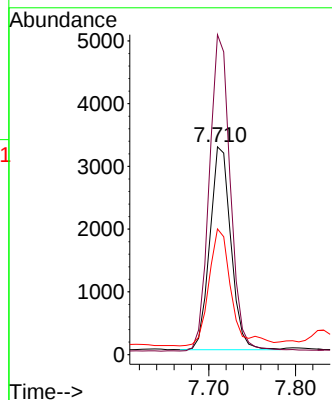
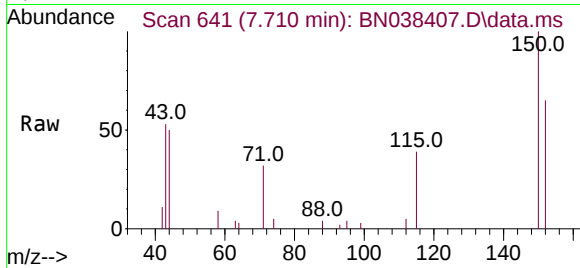




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.014 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

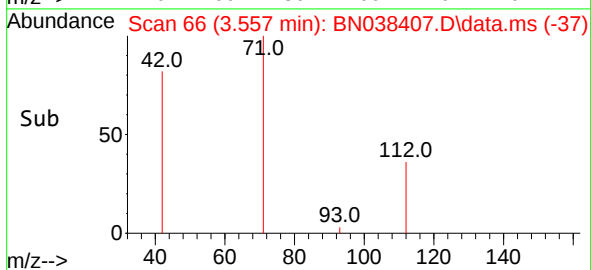
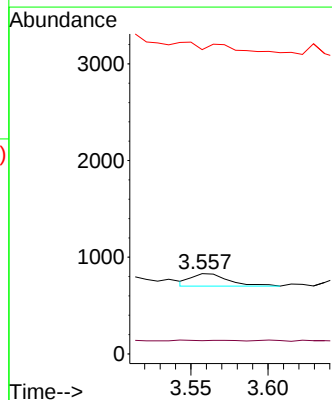
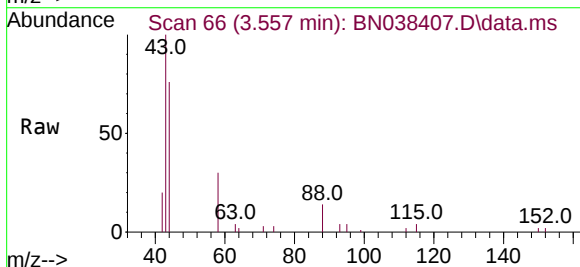
Instrument :
BNA_N
ClientSampleId :
COAN4

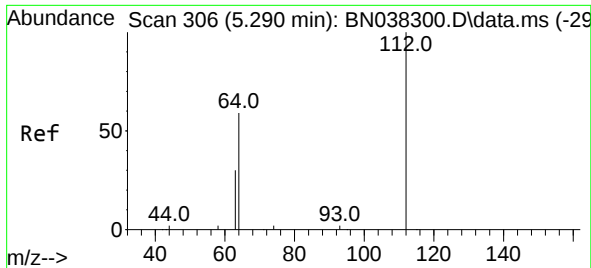
Tgt Ion:152 Resp: 5454
Ion Ratio Lower Upper
152 100
150 154.0 122.4 183.6
115 60.5 47.3 70.9



#3
n-Nitrosodimethylamine
Concen: 0.027 ng
RT: 3.557 min Scan# 66
Delta R.T. 0.058 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Tgt Ion: 42 Resp: 214
Ion Ratio Lower Upper
42 100
74 5.1 95.3 142.9#
44 0.0 7.9 11.9#

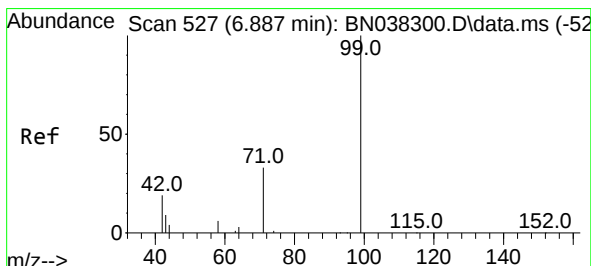
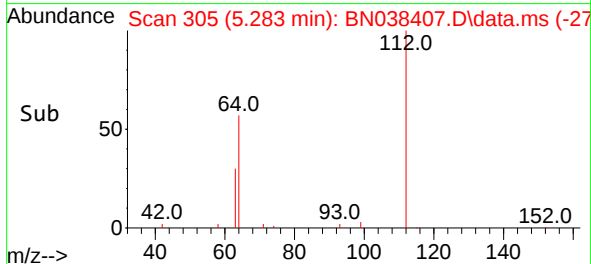
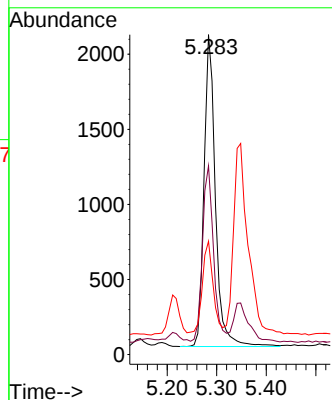
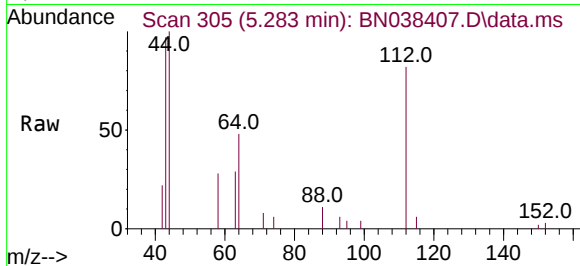




#4
2-Fluorophenol
Concen: 0.244 ng
RT: 5.283 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

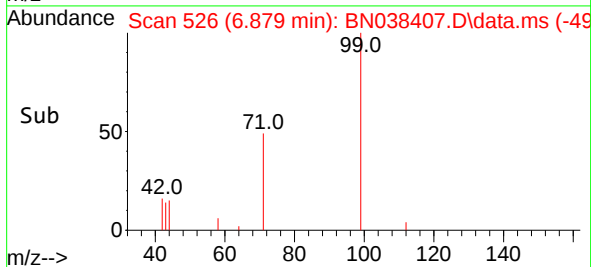
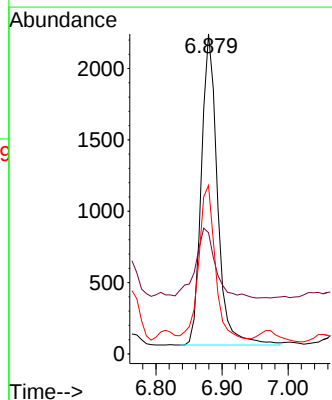
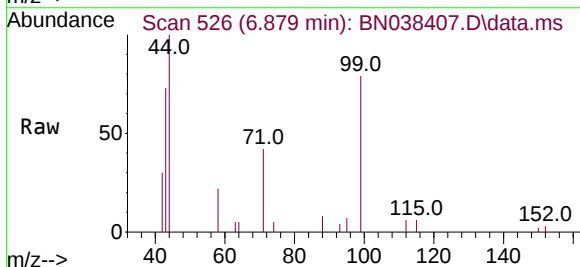
Instrument :
BNA_N
ClientSampleId :
COAN4

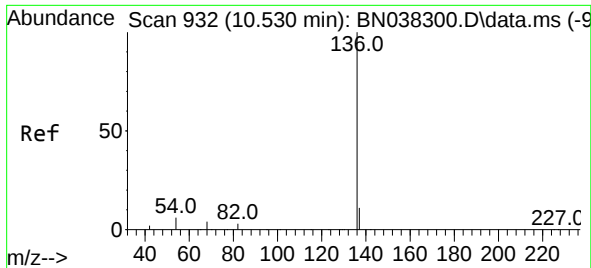
Tgt Ion:112 Resp: 3311
Ion Ratio Lower Upper
112 100
64 55.2 44.4 66.6
63 28.7 23.4 35.0



#5
Phenol-d6
Concen: 0.230 ng
RT: 6.879 min Scan# 526
Delta R.T. -0.007 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Tgt Ion: 99 Resp: 3707
Ion Ratio Lower Upper
99 100
42 27.7 16.5 24.7#
71 51.7 24.9 37.3#

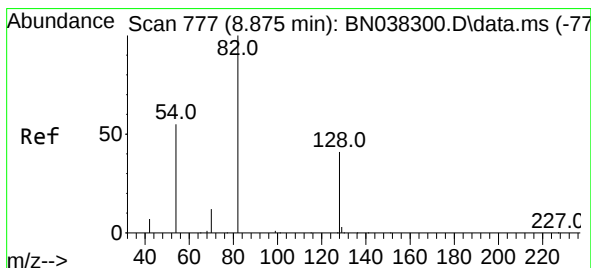
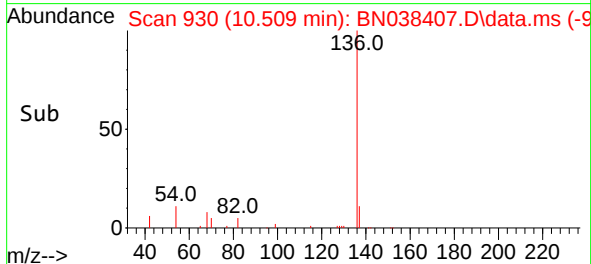
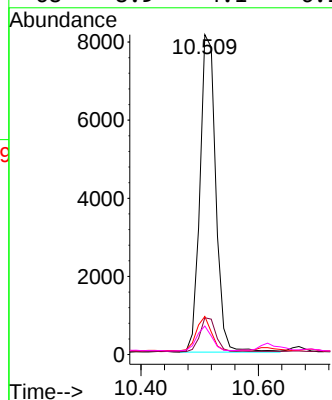
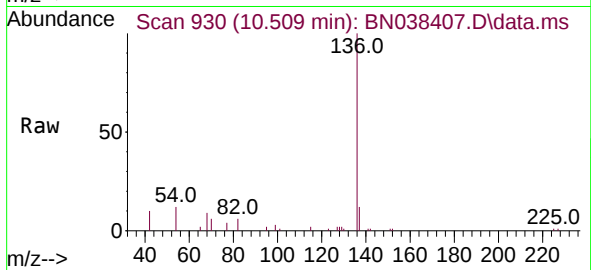




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 931
Delta R.T. -0.021 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

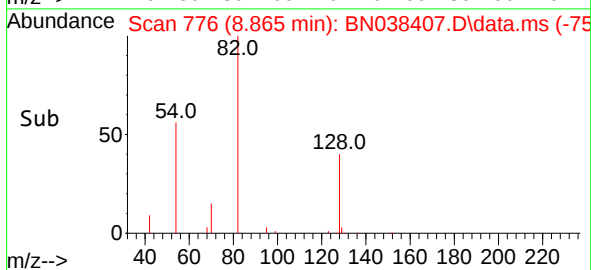
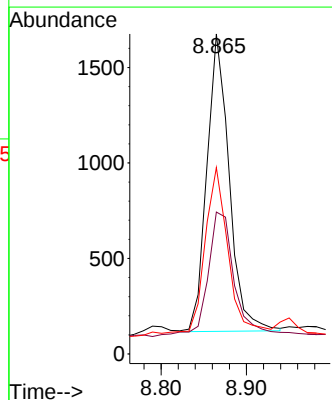
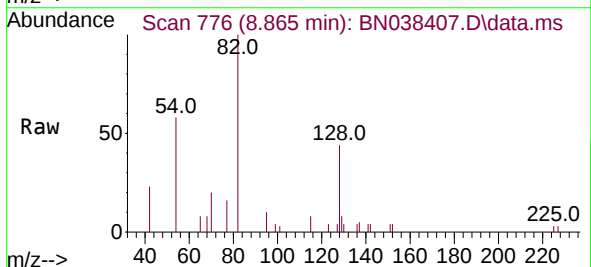
Instrument :
BNA_N
ClientSampleId :
C0AN4

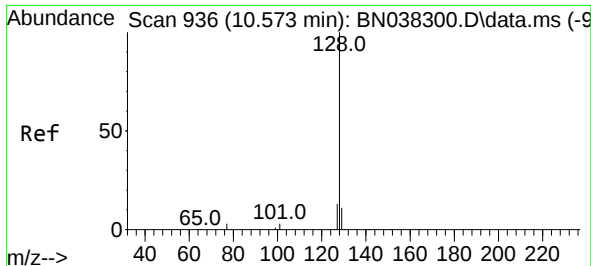
Tgt Ion:	136	Resp:	15212
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.1	13.7
54	11.9	5.2	7.8#
68	8.9	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.221 ng
RT: 8.865 min Scan# 776
Delta R.T. -0.011 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Tgt Ion:	82	Resp:	2831
Ion Ratio	Lower	Upper	
82	100		
128	44.3	34.0	51.0
54	58.2	44.4	66.6

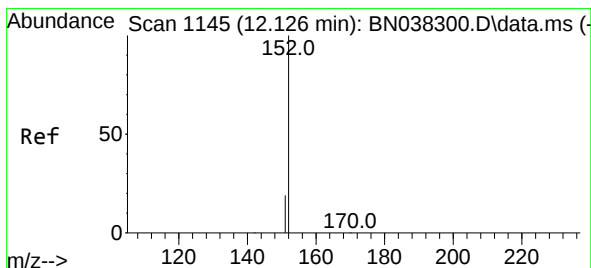
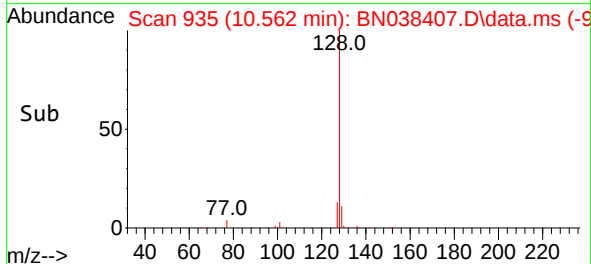
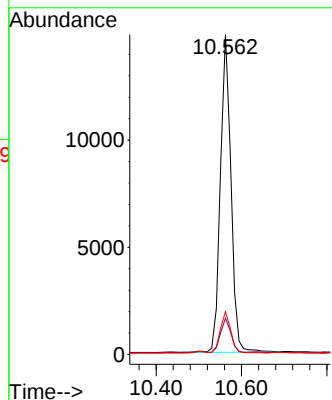
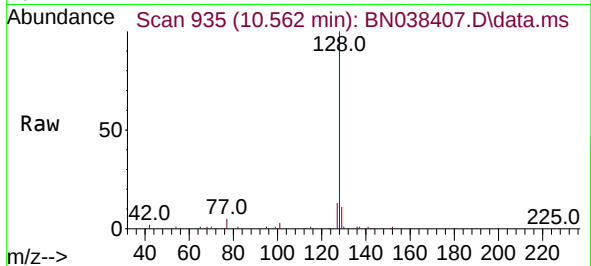




#9
Naphthalene
Concen: 0.568 ng
RT: 10.562 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

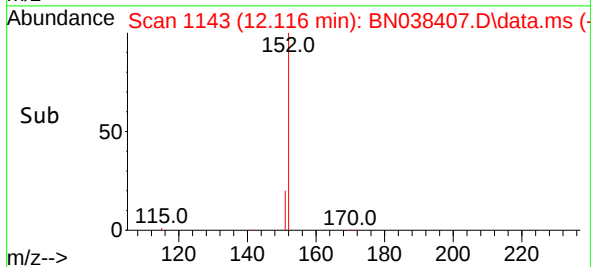
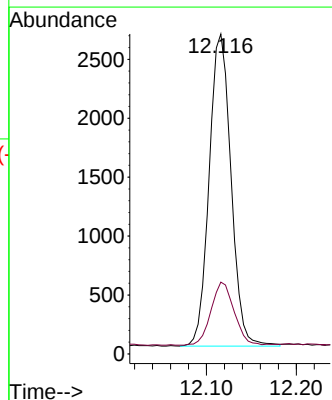
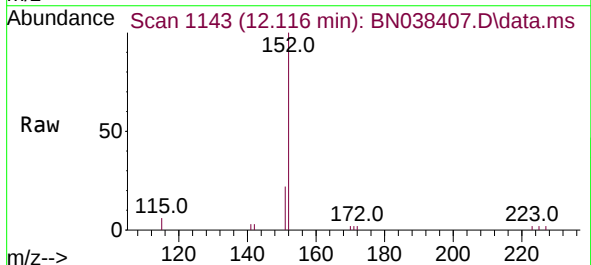
Instrument :
BNA_N
ClientSampleId :
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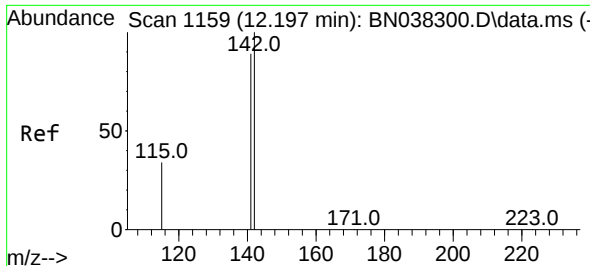
Tgt Ion:128 Resp: 25544
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.4 10.9 16.3



#11
2-Methylnaphthalene-d10
Concen: 0.209 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Tgt Ion:152 Resp: 4478
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6

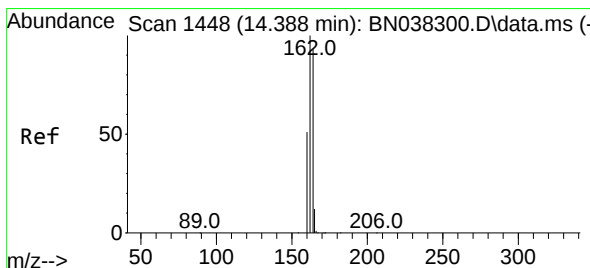
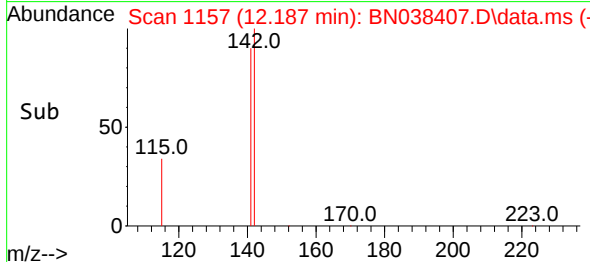
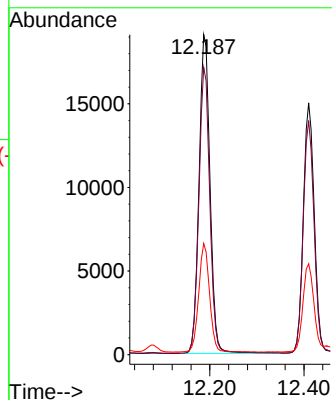
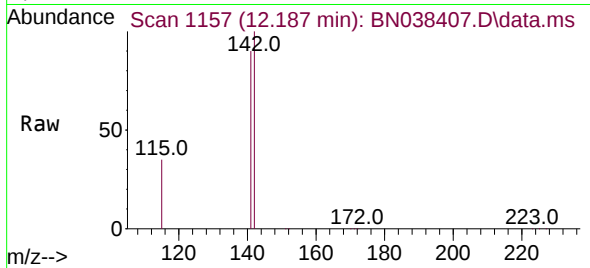




#12
2-Methylnaphthalene
Concen: 1.079 ng
RT: 12.187 min Scan# 1159
Delta R.T. -0.015 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

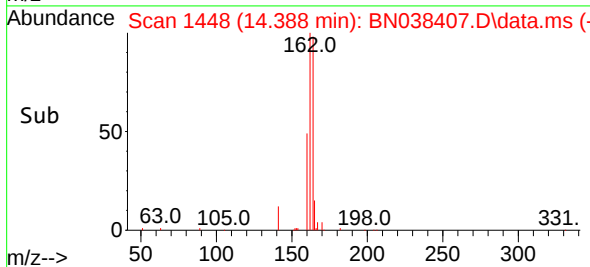
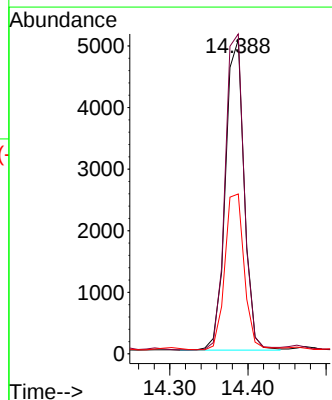
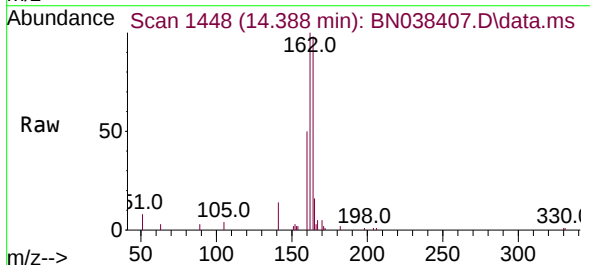
Instrument :
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ClientSampleId :
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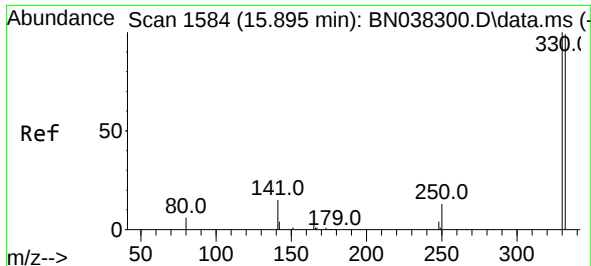
Tgt Ion:142 Resp: 30803
Ion Ratio Lower Upper
142 100
141 89.7 71.4 107.2
115 34.7 28.4 42.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Tgt Ion:164 Resp: 8408
Ion Ratio Lower Upper
164 100
162 101.9 86.2 129.4
160 50.9 44.6 67.0

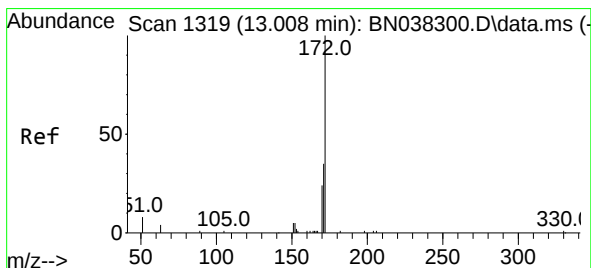
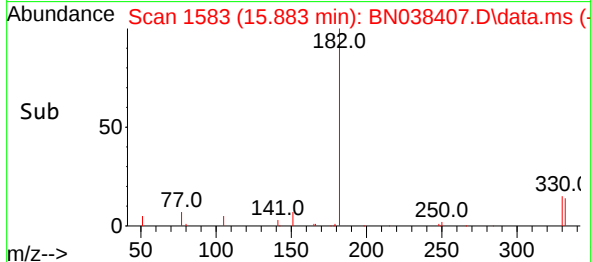
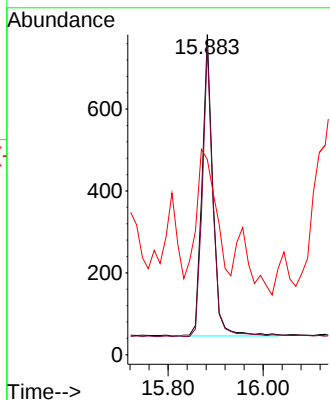
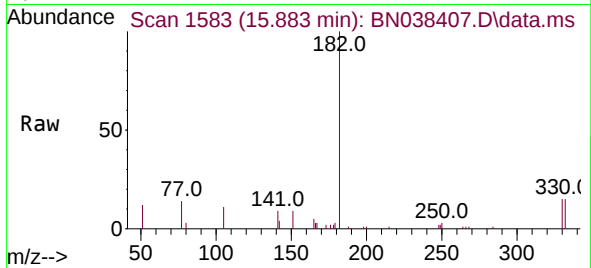




#14
2,4,6-Tribromophenol
Concen: 0.311 ng
RT: 15.883 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

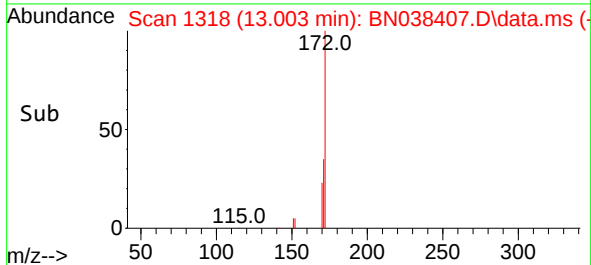
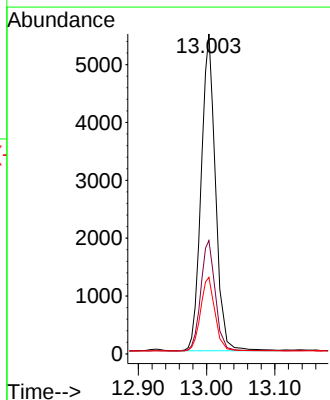
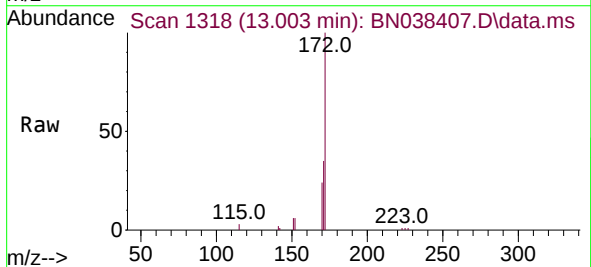
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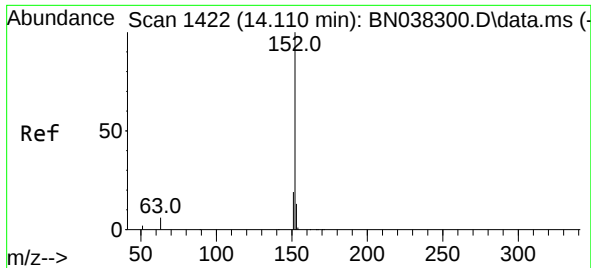
Tgt Ion:330 Resp: 1160
Ion Ratio Lower Upper
330 100
332 93.5 75.8 113.6
141 83.0 31.8 47.8#



#15
2-Fluorobiphenyl
Concen: 0.255 ng
RT: 13.003 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Tgt Ion:172 Resp: 10325
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.9 19.3 28.9

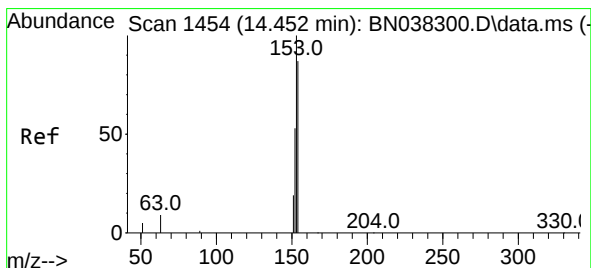
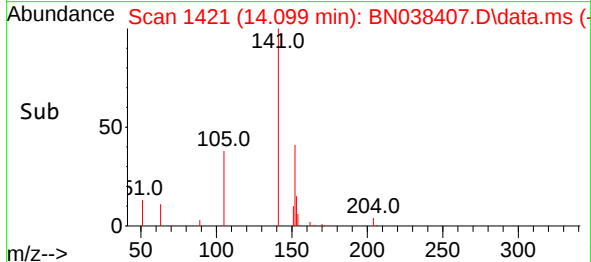
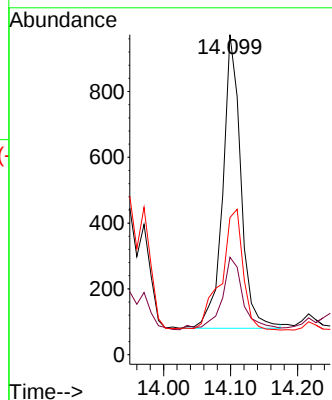
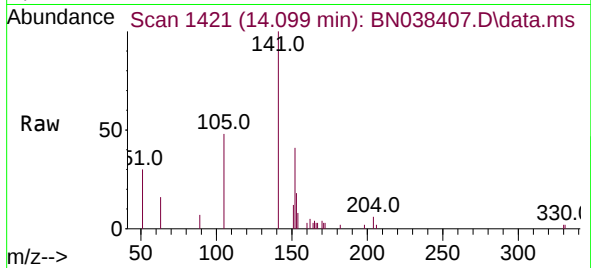




#16
 Acenaphthylene
 Concen: 0.041 ng
 RT: 14.099 min Scan# 1421
 Delta R.T. -0.011 min
 Lab File: BN038407.D
 Acq: 15 Dec 2025 16:33

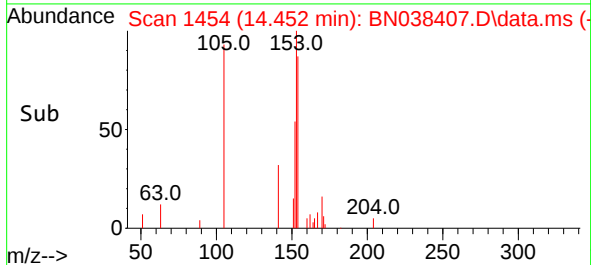
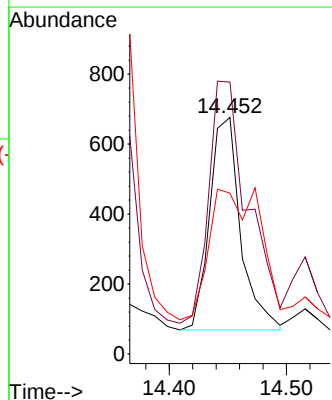
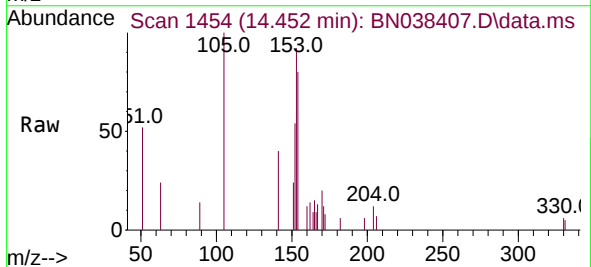
Instrument :
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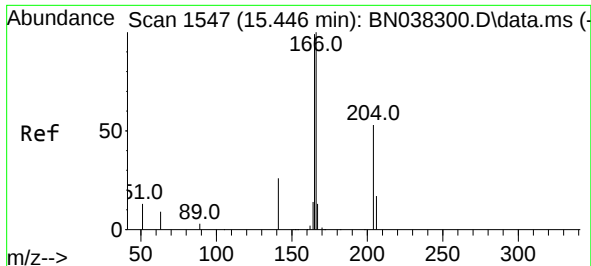
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 Ion Ratio Lower Upper
 152 100
 151 29.0 15.4 23.2#
 153 49.6 10.2 15.4#



#17
 Acenaphthene
 Concen: 0.039 ng
 RT: 14.452 min Scan# 1454
 Delta R.T. -0.011 min
 Lab File: BN038407.D
 Acq: 15 Dec 2025 16:33

Tgt Ion:154 Resp: 1116
 Ion Ratio Lower Upper
 154 100
 153 143.2 89.8 134.8#
 152 0.0 47.5 71.3#

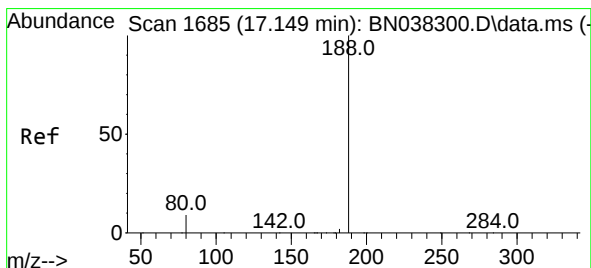
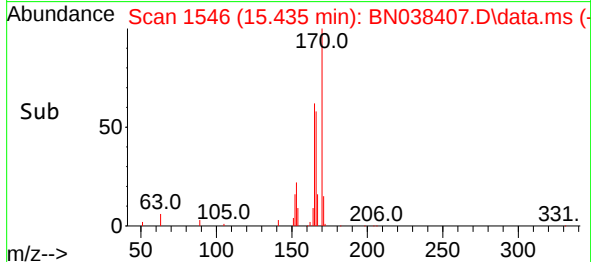
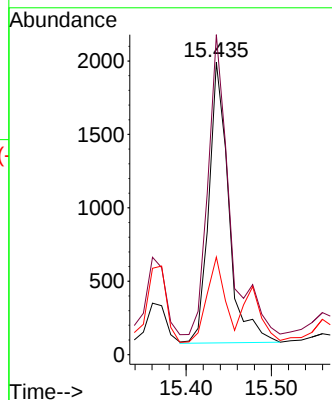
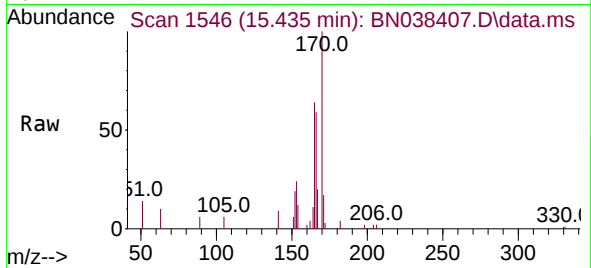




#18
 Fluorene
 Concen: 0.083 ng
 RT: 15.435 min Scan# 1546
 Delta R.T. -0.011 min
 Lab File: BN038407.D
 Acq: 15 Dec 2025 16:33

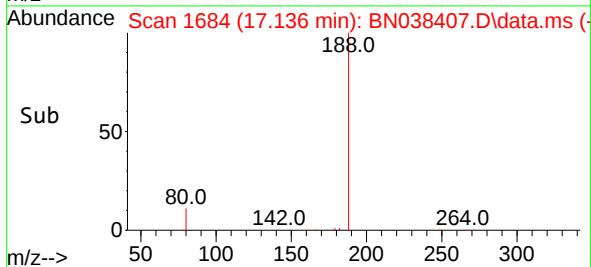
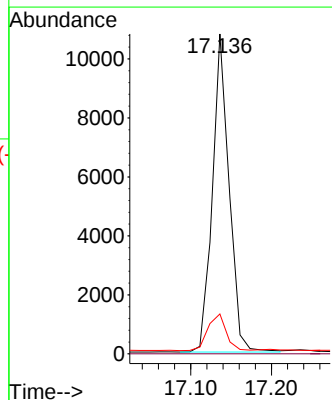
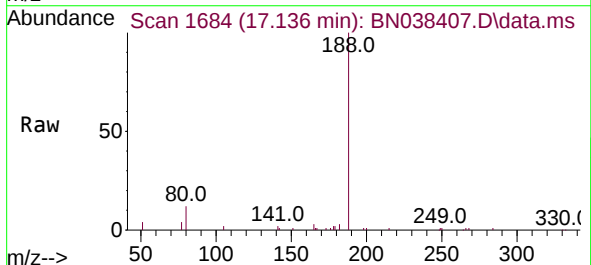
Instrument :
 BNA_N
 ClientSampleId :
 COAN4

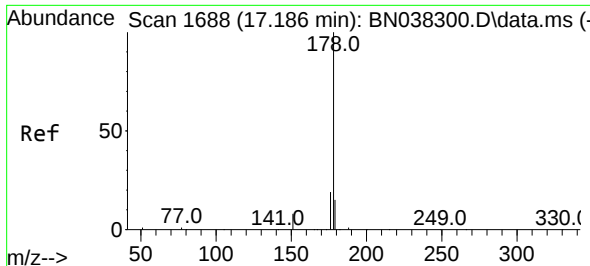
Tgt Ion:166 Resp: 3086
 Ion Ratio Lower Upper
 166 100
 165 116.8 80.2 120.4
 167 27.9 10.6 16.0#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.136 min Scan# 1684
 Delta R.T. -0.012 min
 Lab File: BN038407.D
 Acq: 15 Dec 2025 16:33

Tgt Ion:188 Resp: 15491
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 12.5 7.4 11.0#

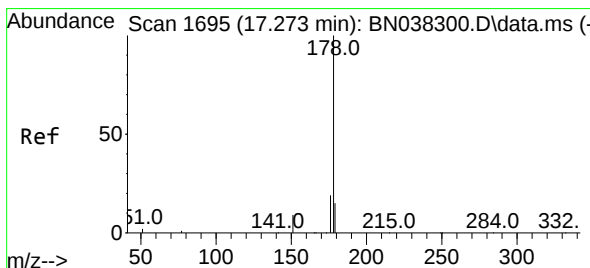
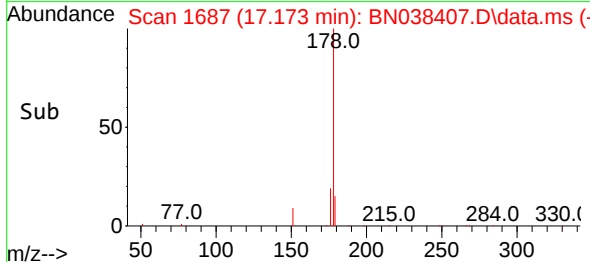
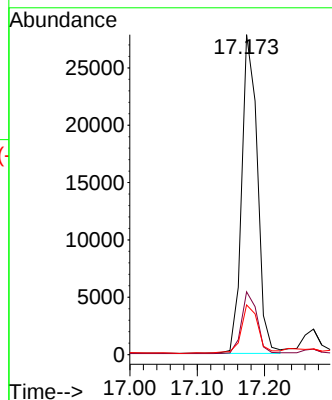
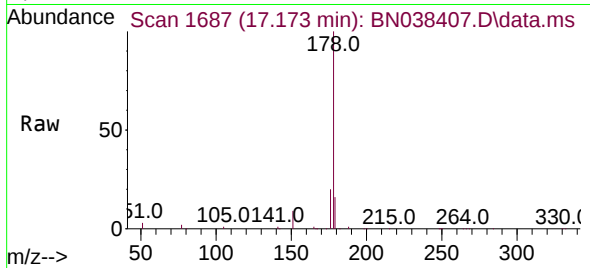




#25
Phenanthrene
Concen: 0.830 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

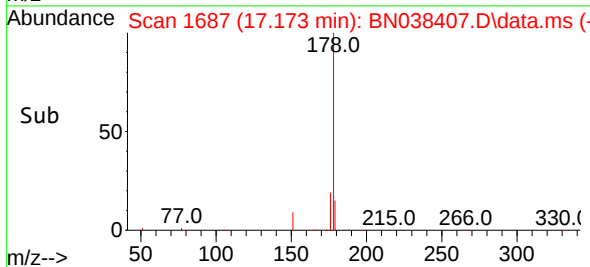
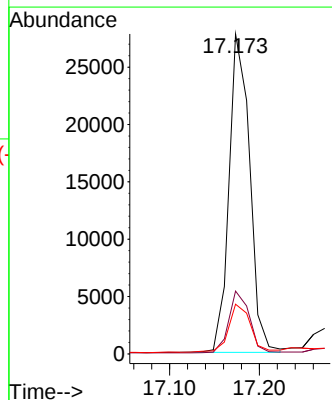
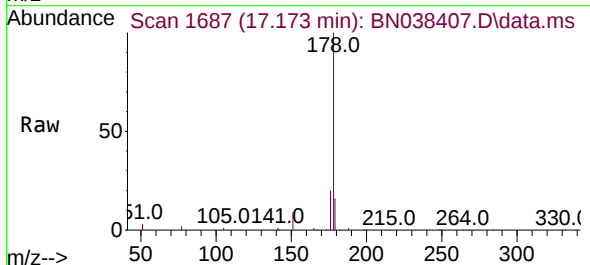
Instrument :
BNA_N
ClientSampleId :
COAN4

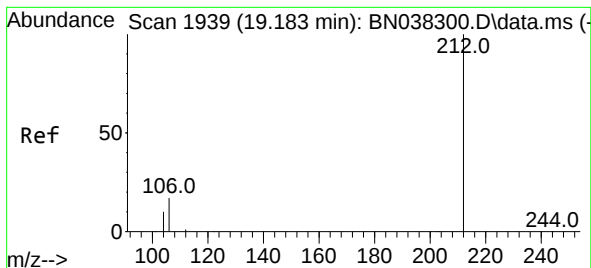
Tgt Ion:178 Resp: 44755
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 16.8 12.2 18.2



#26
Anthracene
Concen: 0.959 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.112 min
Lab File: BN038407.D
Acq: 15 Dec 2025 16:33

Tgt Ion:178 Resp: 44600
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 16.2 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.181 ng

RT: 19.174 min Scan# 1937

Delta R.T. -0.014 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

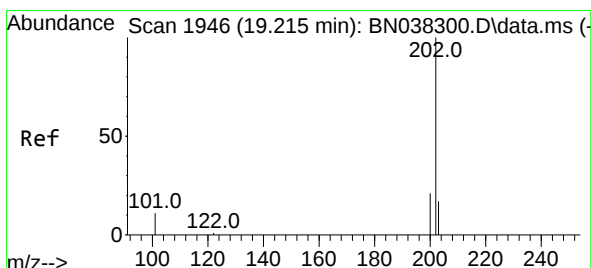
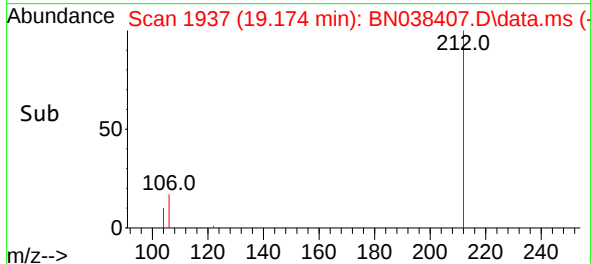
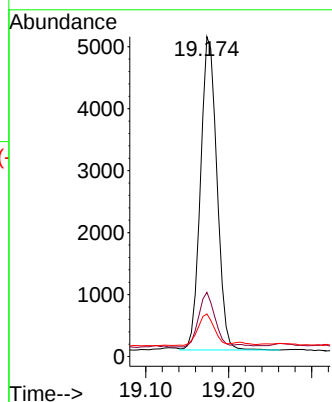
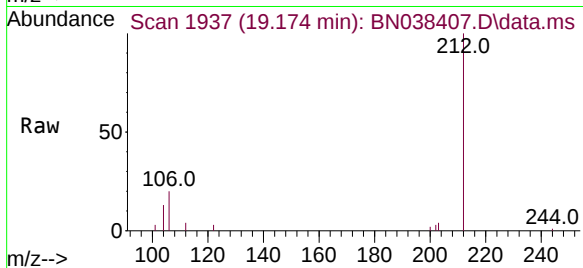
Instrument :

BNA_N

ClientSampleId :

COAN4

Tgt Ion:212	Resp:	6920
Ion Ratio	Lower	Upper
212	100	
106	17.3	13.7 20.5
104	10.0	7.8 11.8



#28

Fluoranthene

Concen: 0.529 ng

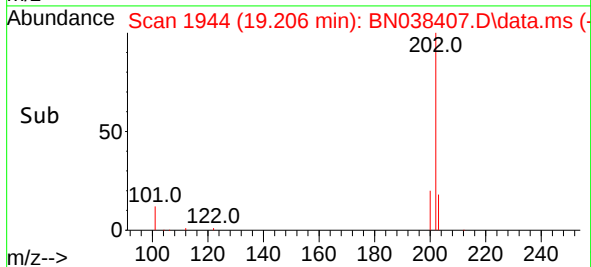
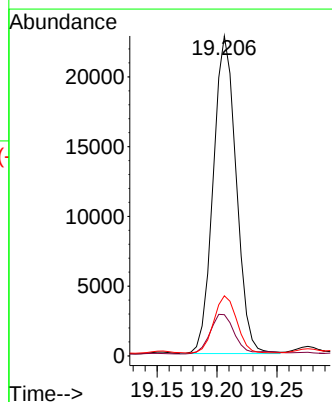
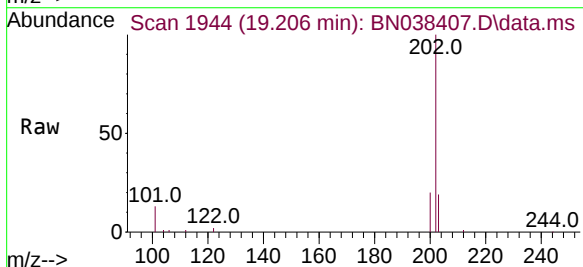
RT: 19.206 min Scan# 1944

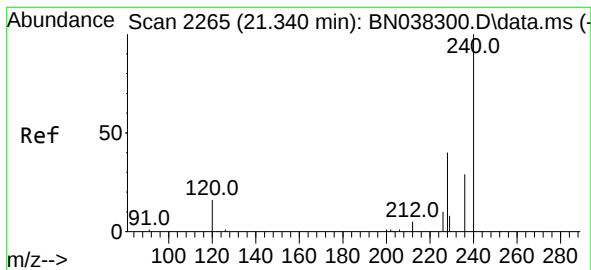
Delta R.T. -0.014 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

Tgt Ion:202	Resp:	30316
Ion Ratio	Lower	Upper
202	100	
101	13.2	9.6 14.4
203	17.9	13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.331 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

Instrument :

BNA_N

ClientSampleId :

C0AN4

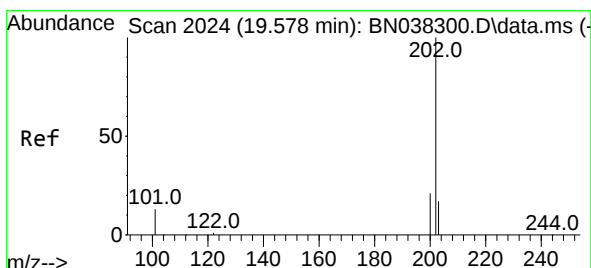
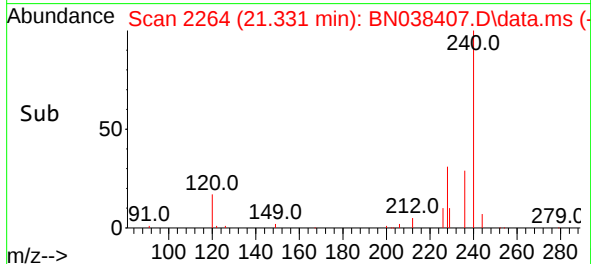
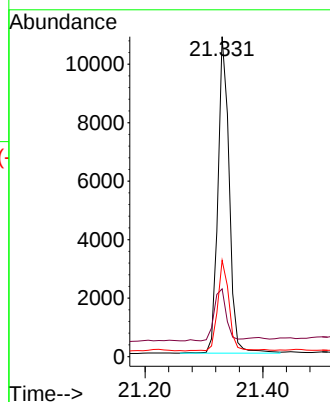
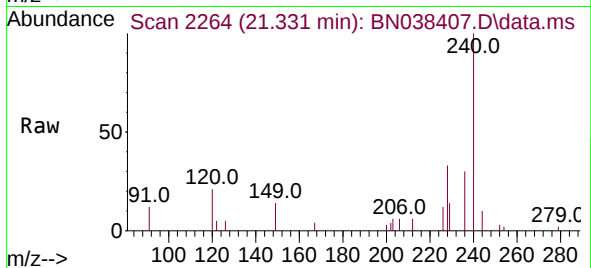
Tgt Ion:240 Resp: 14423

Ion Ratio Lower Upper

240 100

120 21.2 15.4 23.2

236 30.1 23.9 35.9



#30

Pyrene

Concen: 0.382 ng

RT: 19.568 min Scan# 2022

Delta R.T. -0.014 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

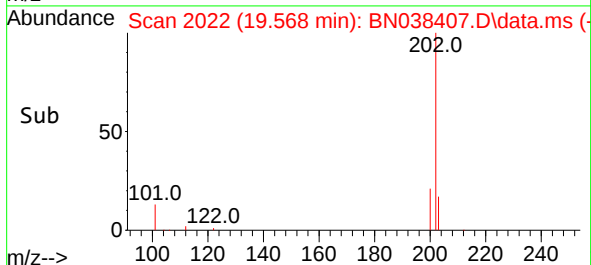
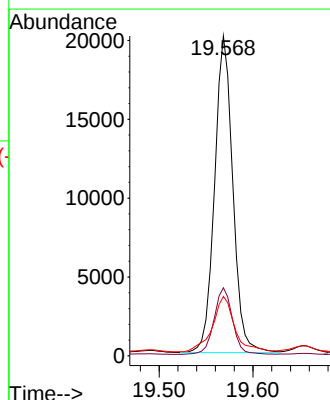
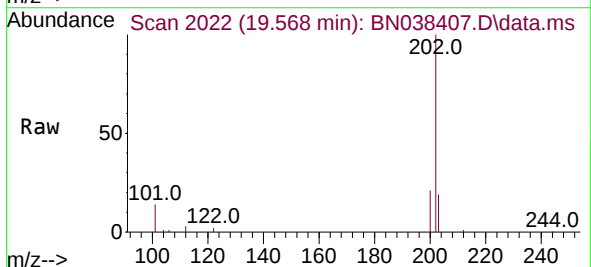
Tgt Ion:202 Resp: 27122

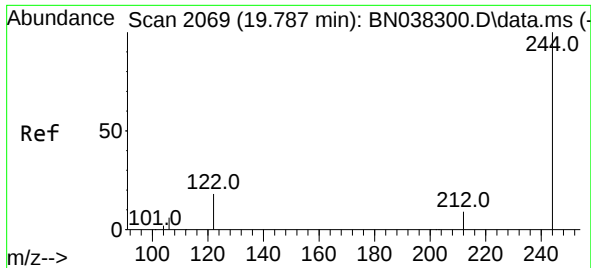
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 21.1 14.2 21.2

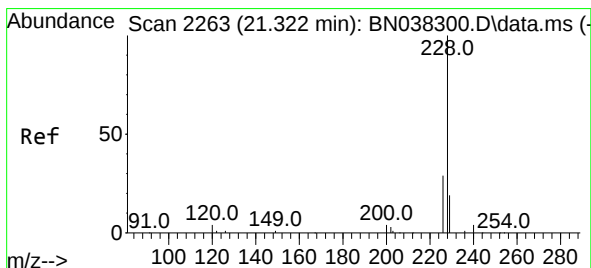
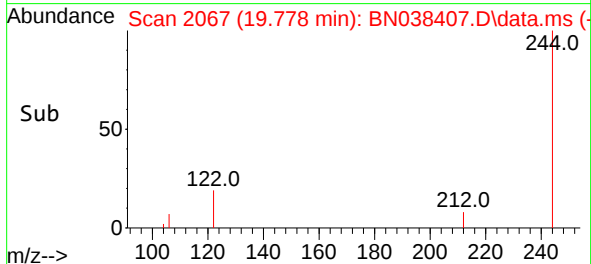
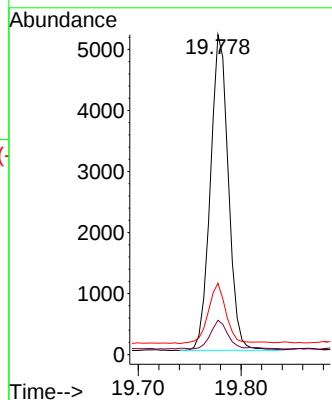
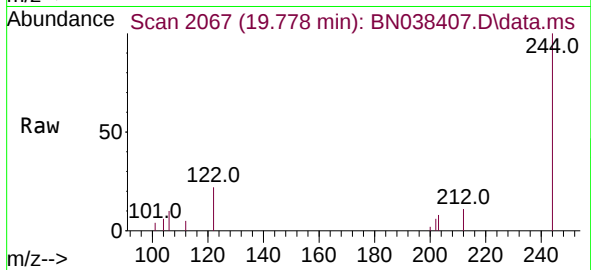




#31
 Terphenyl-d14
 Concen: 0.196 ng
 RT: 19.778 min Scan# 2067
 Delta R.T. -0.014 min
 Lab File: BN038407.D
 Acq: 15 Dec 2025 16:33

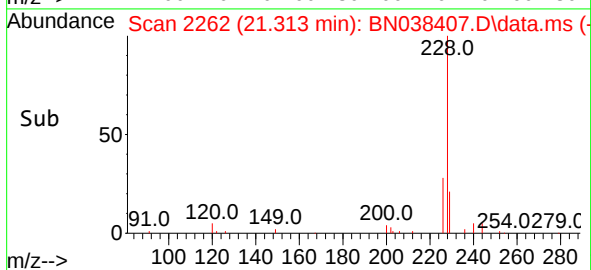
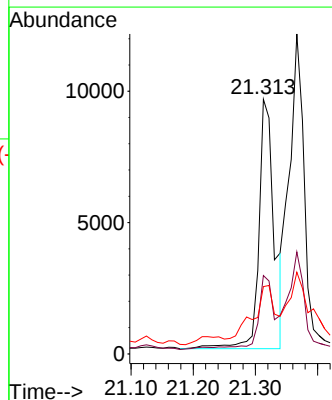
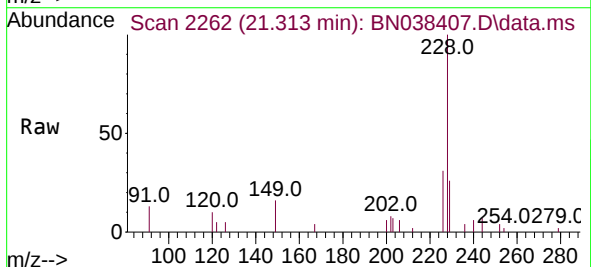
Instrument :
 BNA_N
 ClientSampleId :
 C0AN4

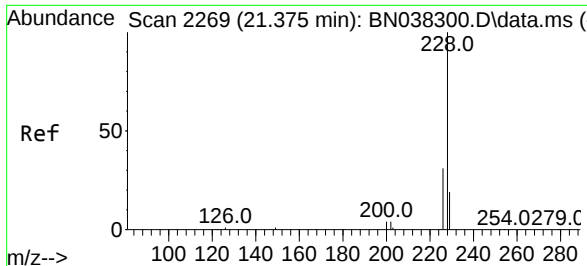
Tgt Ion:244 Resp: 6299
 Ion Ratio Lower Upper
 244 100
 212 10.7 7.9 11.9
 122 22.3 15.0 22.6



#32
 Benzo(a)anthracene
 Concen: 0.291 ng
 RT: 21.313 min Scan# 2262
 Delta R.T. -0.018 min
 Lab File: BN038407.D
 Acq: 15 Dec 2025 16:33

Tgt Ion:228 Resp: 16219
 Ion Ratio Lower Upper
 228 100
 226 30.7 23.3 34.9
 229 26.4 15.7 23.5#





#33

Chrysene

Concen: 0.322 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

Instrument :

BNA_N

ClientSampleId :

COAN4

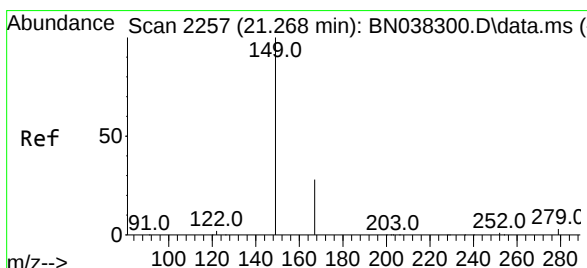
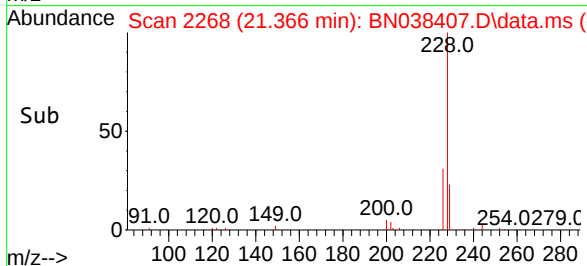
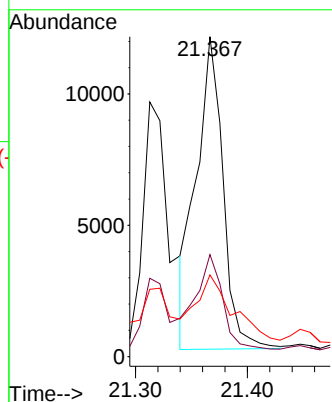
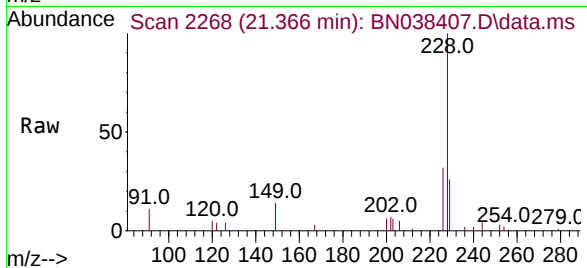
Tgt Ion:228 Resp: 19768

Ion Ratio Lower Upper

228 100

226 31.9 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# 2256

Delta R.T. -0.009 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

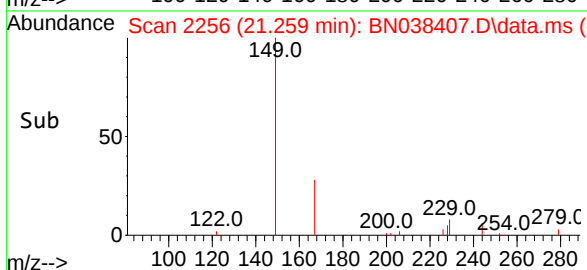
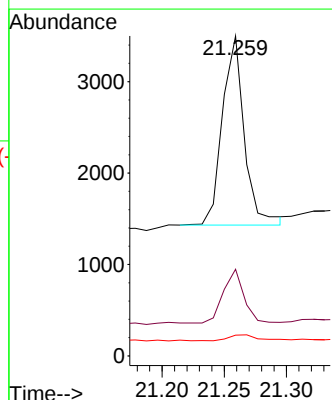
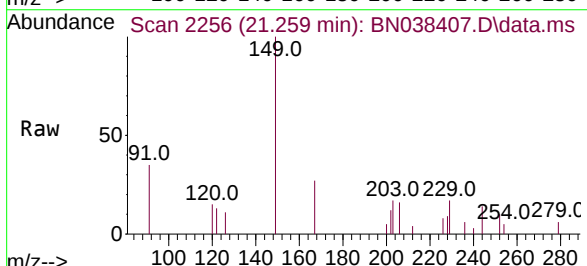
Tgt Ion:149 Resp: 2539

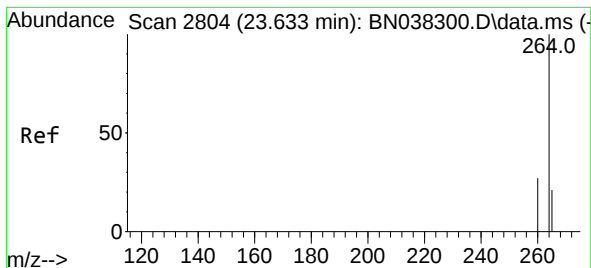
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.4 2.4 3.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.619 min Scan# 21

Delta R.T. -0.015 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

Instrument :

BNA_N

ClientSampleId :

C0AN4

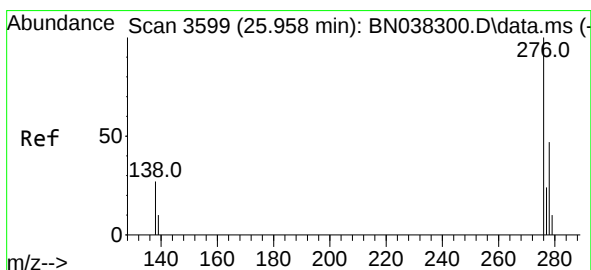
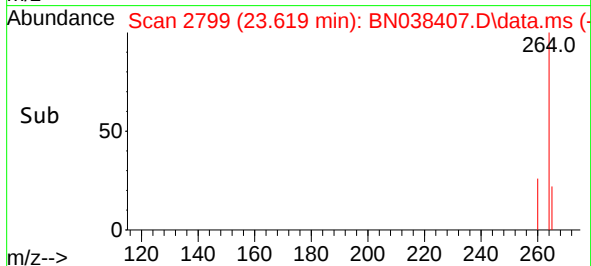
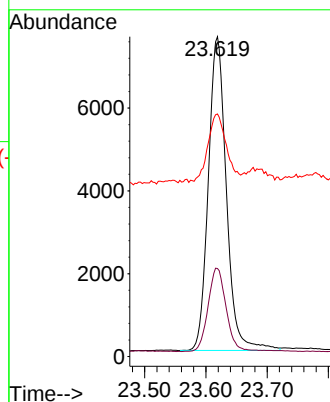
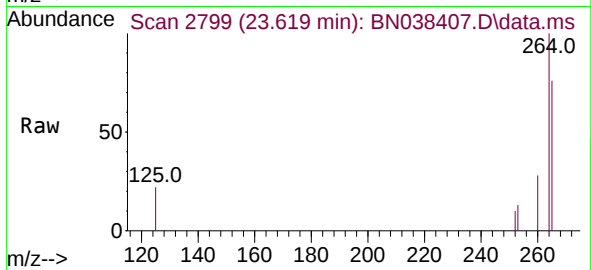
Tgt Ion:264 Resp: 15537

Ion Ratio Lower Upper

264 100

260 27.5 22.2 33.2

265 75.8 80.2 120.2#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.122 ng

RT: 25.934 min Scan# 3591

Delta R.T. -0.029 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

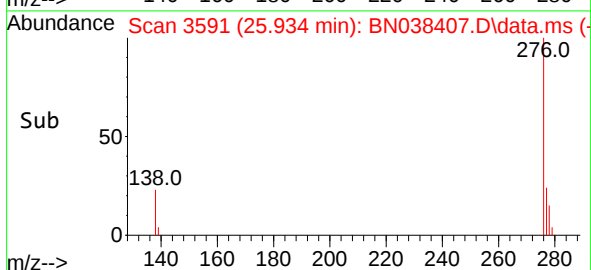
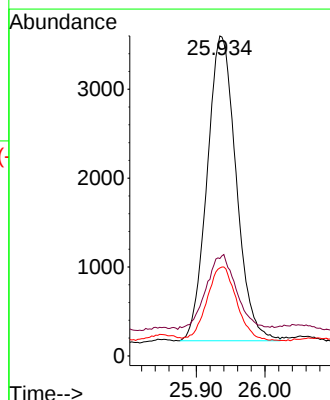
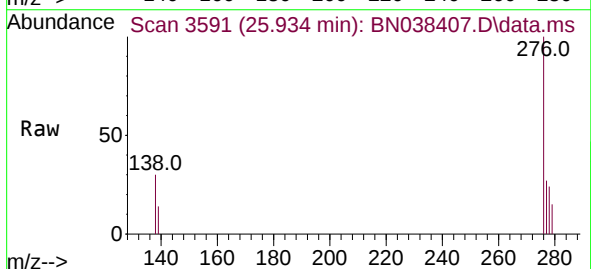
Tgt Ion:276 Resp: 10084

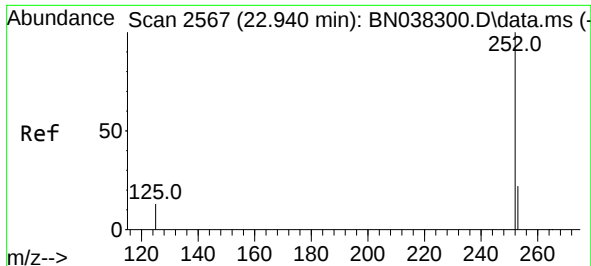
Ion Ratio Lower Upper

276 100

138 25.5 23.6 35.4

277 24.4 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.311 ng

RT: 22.929 min Scan# 2563

Delta R.T. -0.017 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

Instrument :

BN038407.D

ClientSampleId :

COAN4

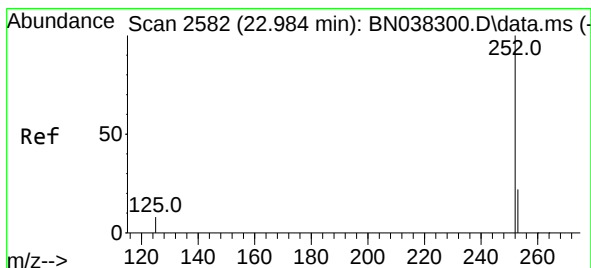
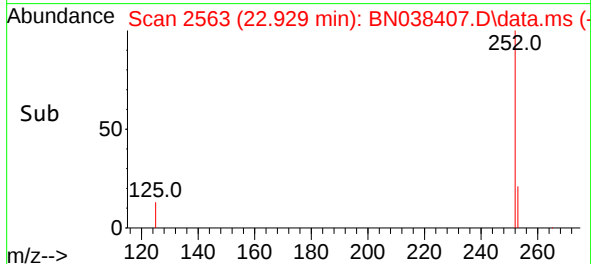
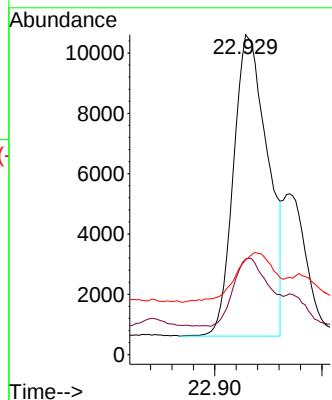
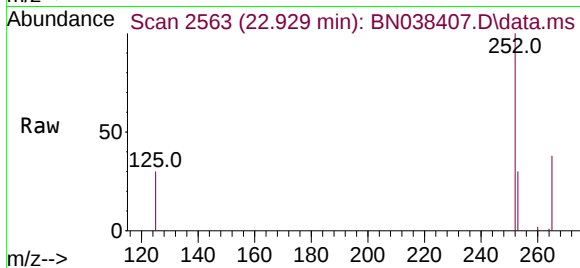
Tgt Ion:252 Resp: 22227

Ion Ratio Lower Upper

252 100

253 29.9 21.1 31.7

125 29.7 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 0.312 ng

RT: 22.929 min Scan# 2563

Delta R.T. -0.061 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

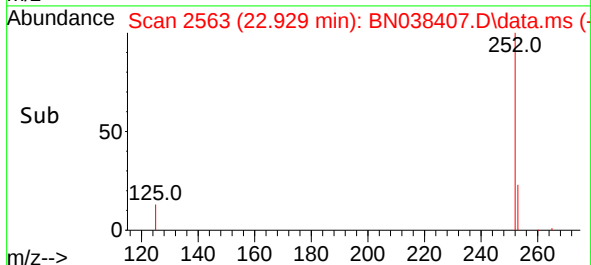
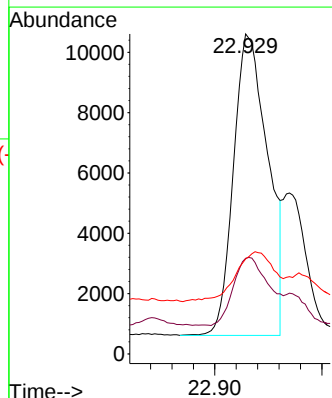
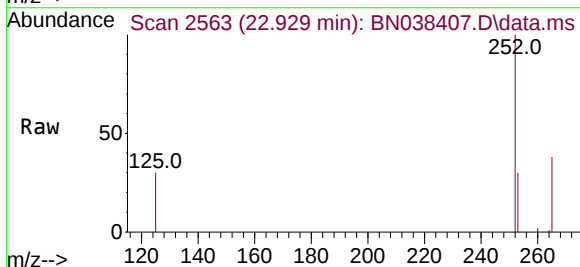
Tgt Ion:252 Resp: 22227

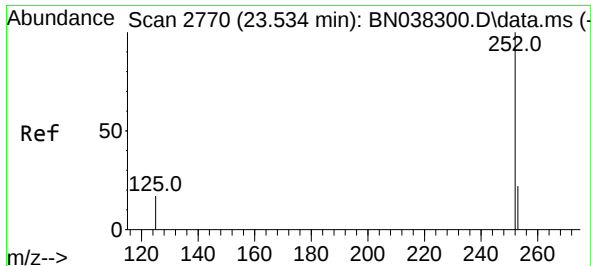
Ion Ratio Lower Upper

252 100

253 29.9 21.4 32.0

125 29.7 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 0.208 ng

RT: 23.516 min Scan# 21

Delta R.T. -0.017 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

Instrument :

BNA_N

ClientSampleId :

COAN4

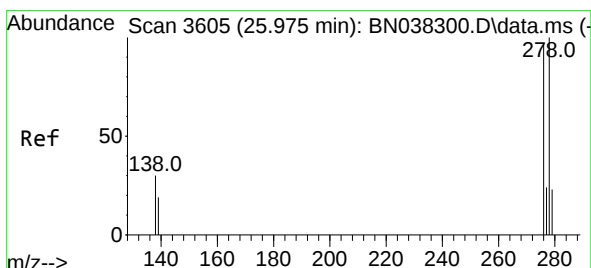
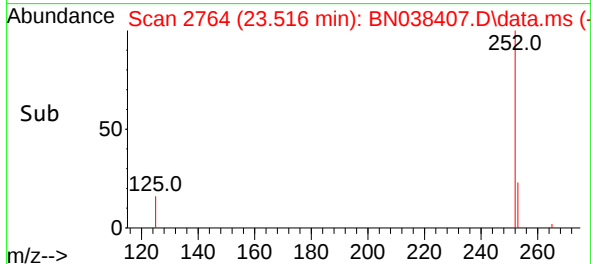
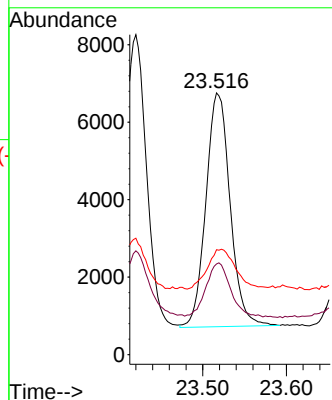
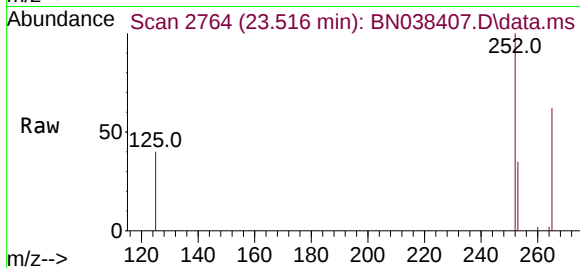
Tgt Ion:252 Resp: 12137

Ion Ratio Lower Upper

252 100

253 34.7 23.3 34.9

125 40.1 22.4 33.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.044 ng

RT: 25.946 min Scan# 3595

Delta R.T. -0.035 min

Lab File: BN038407.D

Acq: 15 Dec 2025 16:33

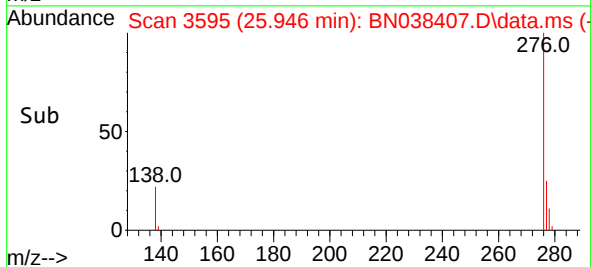
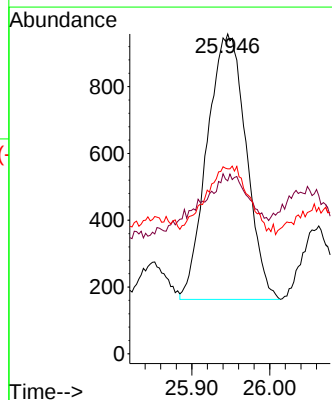
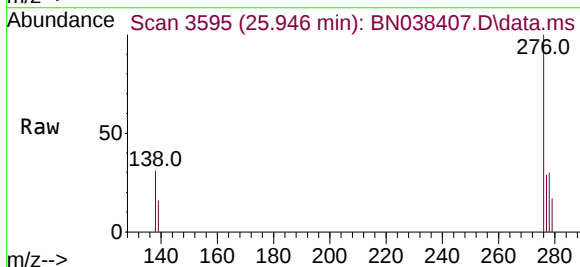
Tgt Ion:278 Resp: 2767

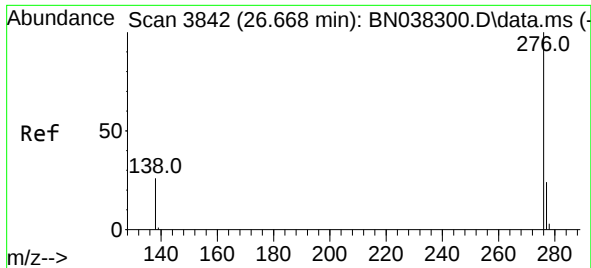
Ion Ratio Lower Upper

278 100

139 54.1 17.8 26.8#

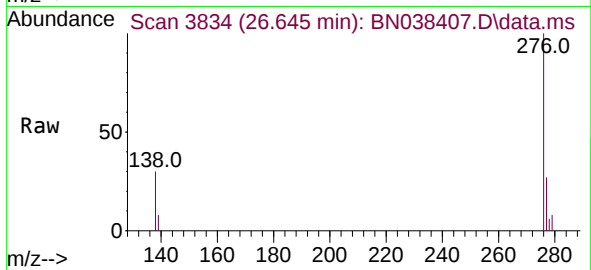
279 57.8 21.3 31.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.178 ng
 RT: 26.645 min Scan# 38
 Delta R.T. -0.032 min
 Lab File: BN038407.D
 Acq: 15 Dec 2025 16:33

Instrument :
 BNA_N
 ClientSampleId :
 C0AN4



Tgt Ion:276 Resp: 12659
 Ion Ratio Lower Upper
 276 100
 277 26.7 20.0 30.0
 138 30.4 21.8 32.6

