

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038401.D
 Acq On : 15 Dec 2025 12:54
 Operator : RC/JU
 Sample : Q3839-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AM6

Quant Time: Dec 15 13:19:46 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)

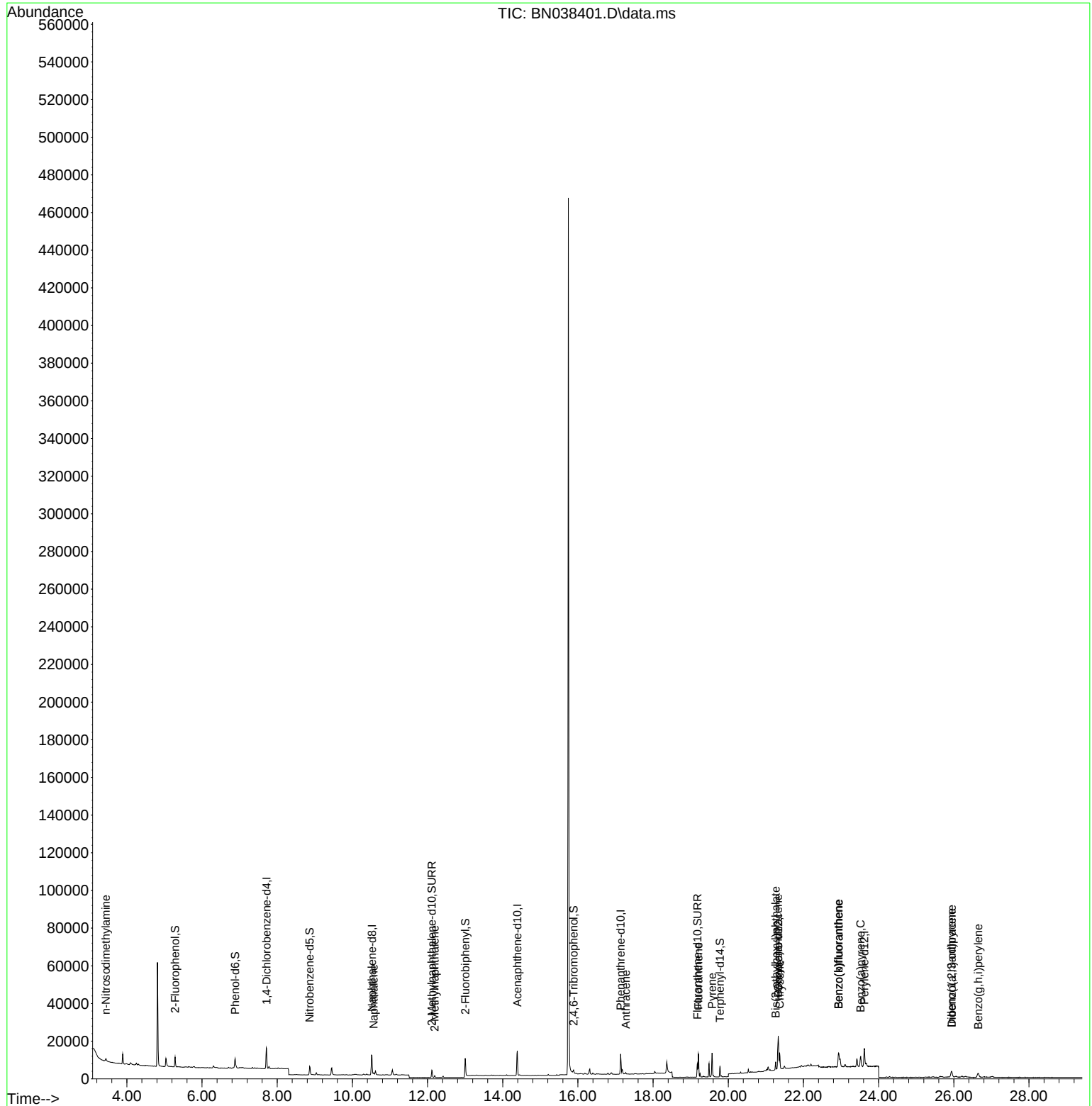
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5657	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	15482	0.400	ng	-0.01
13) Acenaphthene-d10	14.388	164	7970	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	14301	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	12451	0.400	ng	0.00
35) Perylene-d12	23.622	264	13228	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	4222	0.300	ng	0.00
5) Phenol-d6	6.879	99	4818	0.288	ng	0.00
8) Nitrobenzene-d5	8.865	82	3908	0.299	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	5478	0.251	ng	-0.01
14) 2,4,6-Tribromophenol	15.883	330	917	0.259	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	11411	0.297	ng	0.00
27) Fluoranthene-d10	19.178	212	7695	0.218	ng	0.00
31) Terphenyl-d14	19.778	244	5093	0.183	ng	-0.01
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.442	42	561	0.069	ng	# 1
9) Naphthalene	10.562	128	1256	0.027	ng	# 80
12) 2-Methylnaphthalene	12.187	142	760	0.026	ng	# 90
26) Anthracene	17.273	178	958	0.022	ng	95
28) Fluoranthene	19.206	202	11196	0.212	ng	99
30) Pyrene	19.568	202	11303	0.184	ng	# 96
32) Benzo(a)anthracene	21.322	228	9135	0.190	ng	98
33) Chrysene	21.366	228	8411	0.159	ng	96
34) Bis(2-ethylhexyl)phtha...	21.259	149	3874	0.147	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.937	276	5038	0.072	ng	95
37) Benzo(b)fluoranthene	22.932	252	12088	0.199	ng	# 81
38) Benzo(k)fluoranthene	22.932	252	12088	0.200	ng	# 82
39) Benzo(a)pyrene	23.519	252	8025	0.161	ng	# 84
40) Dibenzo(a,h)anthracene	25.946	278	1553	0.029	ng	# 37
41) Benzo(g,h,i)perylene	26.648	276	4713	0.078	ng	# 90

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

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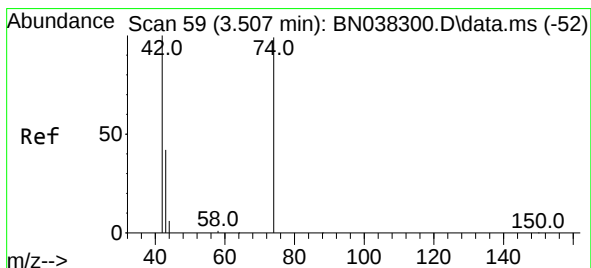
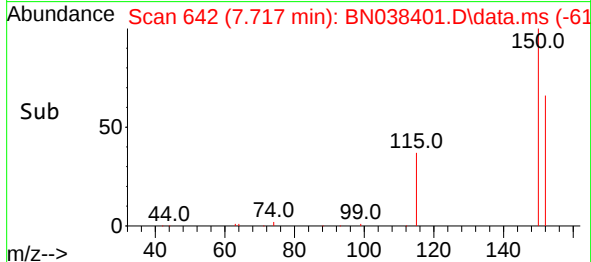
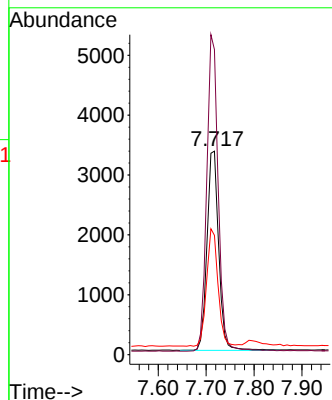
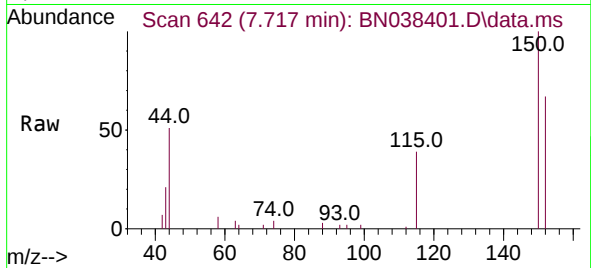




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

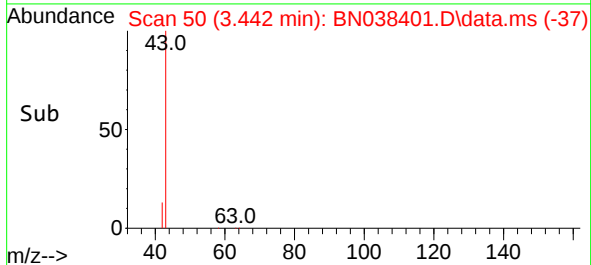
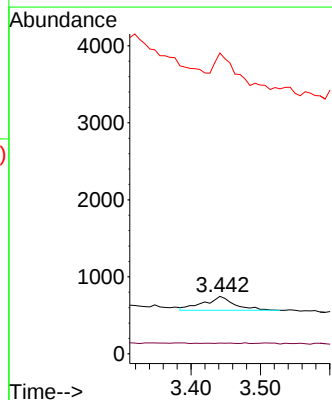
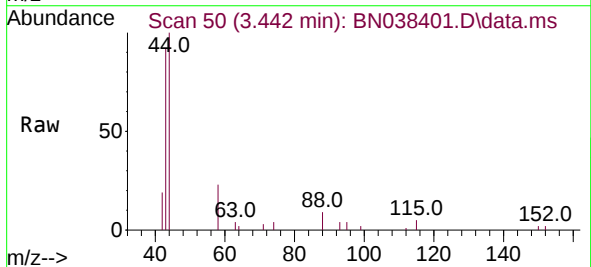
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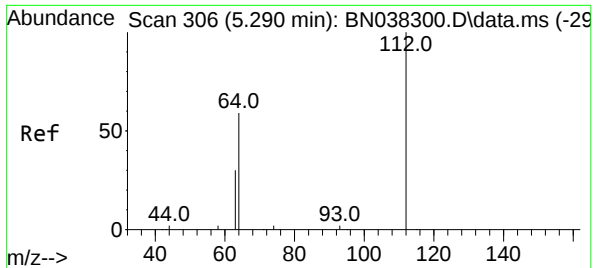
Tgt Ion:152 Resp: 5657
Ion Ratio Lower Upper
152 100
150 149.9 122.4 183.6
115 58.6 47.3 70.9



#3
n-Nitrosodimethylamine
Concen: 0.069 ng
RT: 3.442 min Scan# 50
Delta R.T. -0.058 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

Tgt Ion: 42 Resp: 561
Ion Ratio Lower Upper
42 100
74 1.1 95.3 142.9#
44 175.6 7.9 11.9#

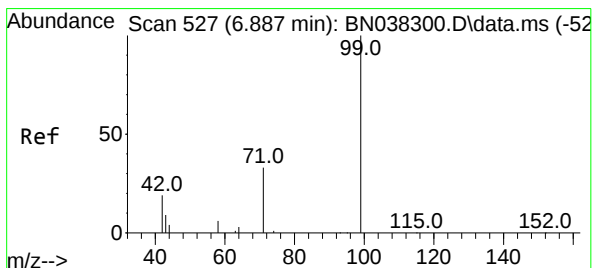
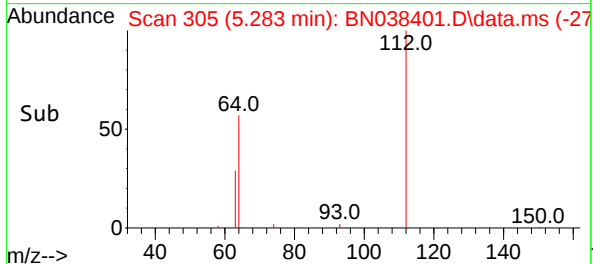
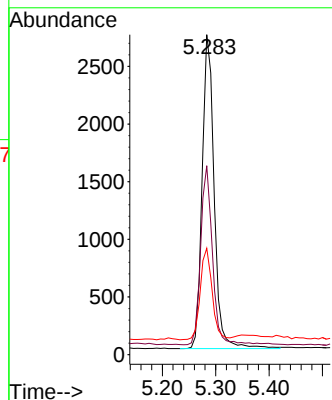
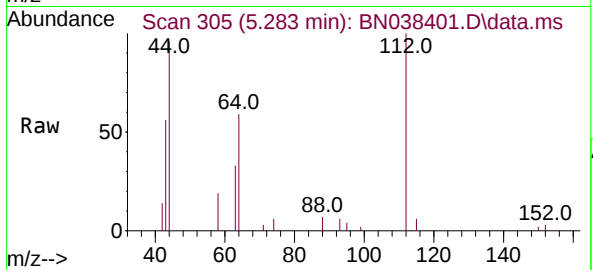




#4
2-Fluorophenol
Concen: 0.300 ng
RT: 5.283 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

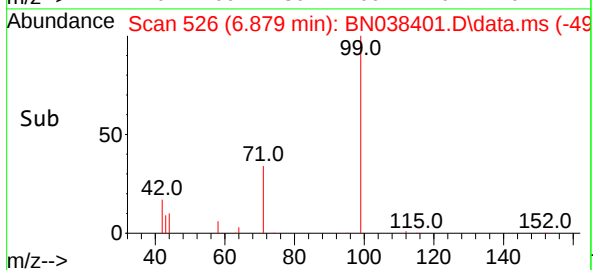
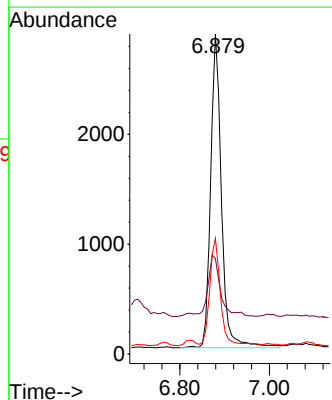
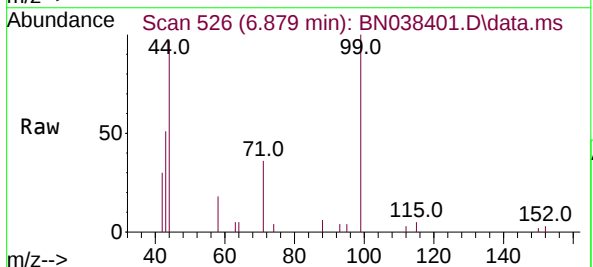
Instrument :
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ClientSampleId :
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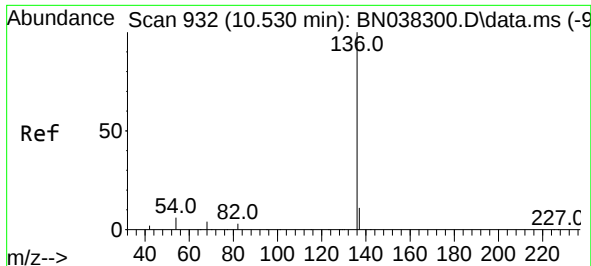
Tgt Ion:	112	Resp:	4222
Ion	Ratio	Lower	Upper
112	100		
64	56.7	44.4	66.6
63	28.8	23.4	35.0



#5
Phenol-d6
Concen: 0.288 ng
RT: 6.879 min Scan# 526
Delta R.T. -0.007 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

Tgt Ion:	99	Resp:	4818
Ion	Ratio	Lower	Upper
99	100		
42	22.1	16.5	24.7
71	32.1	24.9	37.3

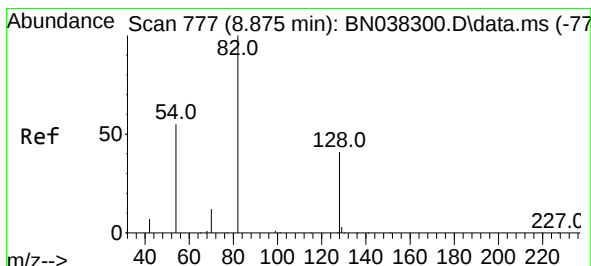
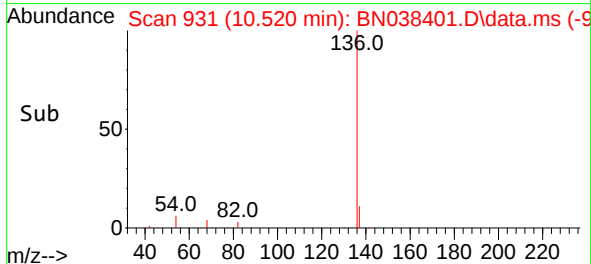
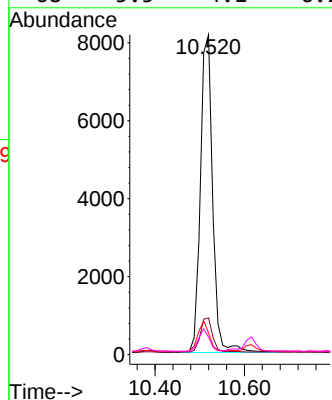
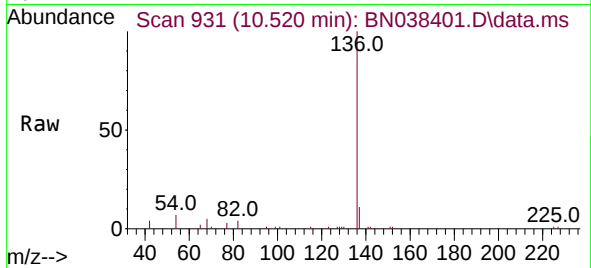




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

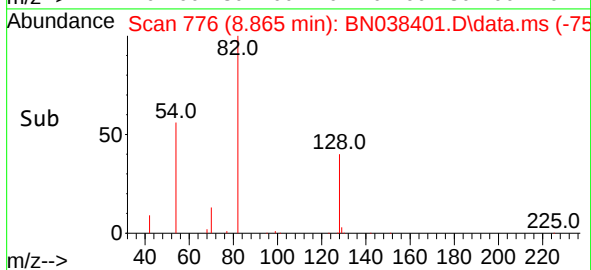
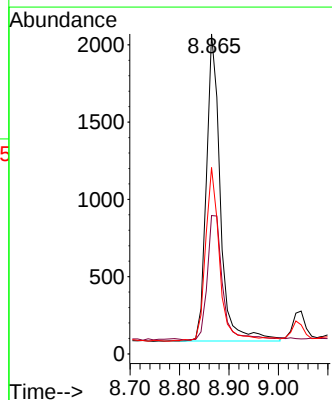
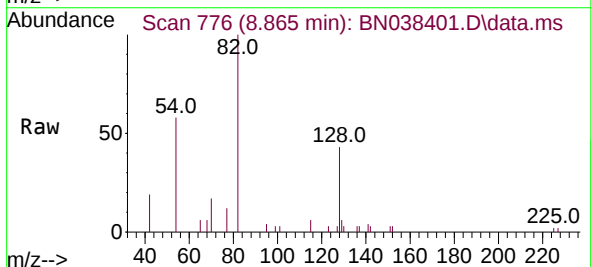
Instrument :
BNA_N
ClientSampleId :
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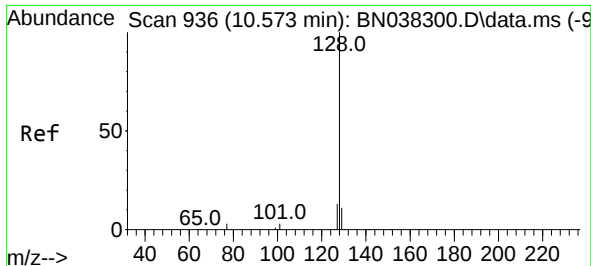
Tgt Ion:136	Resp:	15482
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.1 13.7
54	6.8	5.2 7.8
68	5.5	4.1 6.1



#8
Nitrobenzene-d5
Concen: 0.299 ng
RT: 8.865 min Scan# 776
Delta R.T. -0.011 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

Tgt Ion: 82	Resp:	3908
Ion Ratio	Lower	Upper
82	100	
128	43.2	34.0 51.0
54	58.2	44.4 66.6

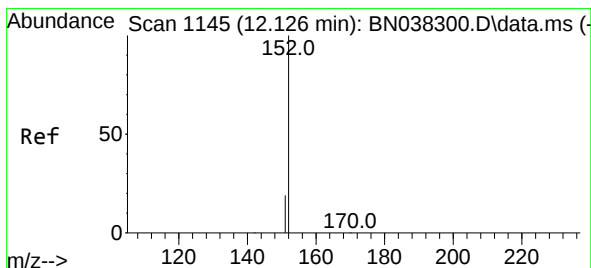
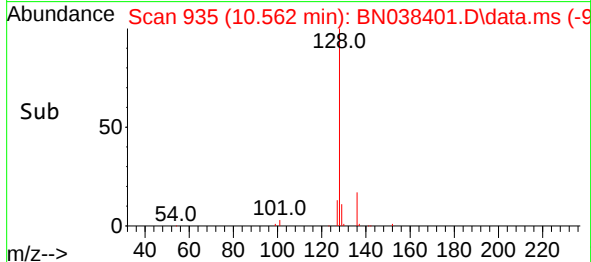
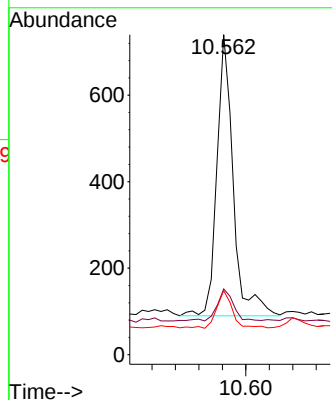
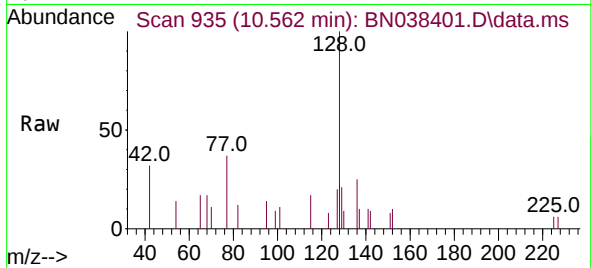




#9
Naphthalene
Concen: 0.027 ng
RT: 10.562 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

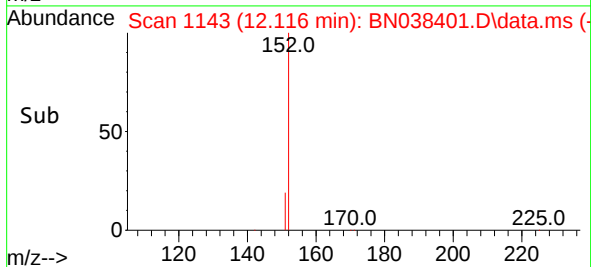
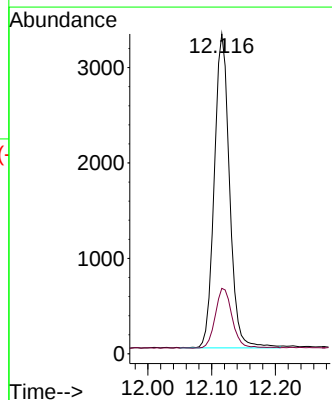
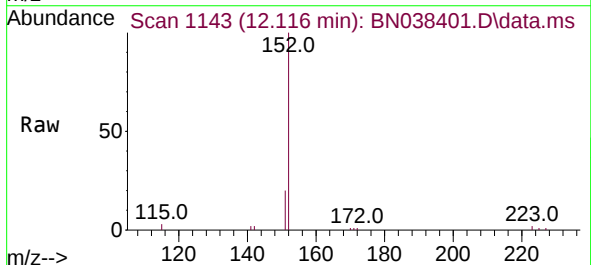
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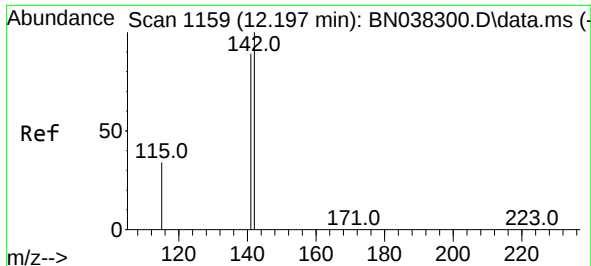
Tgt Ion:128 Resp: 1256
Ion Ratio Lower Upper
128 100
129 20.5 9.1 13.7#
127 20.0 10.9 16.3#



#11
2-Methylnaphthalene-d10
Concen: 0.251 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

Tgt Ion:152 Resp: 5478
Ion Ratio Lower Upper
152 100
151 21.1 17.0 25.6

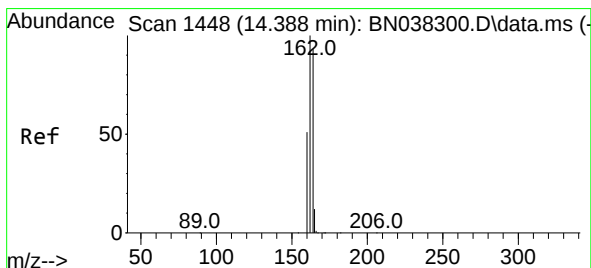
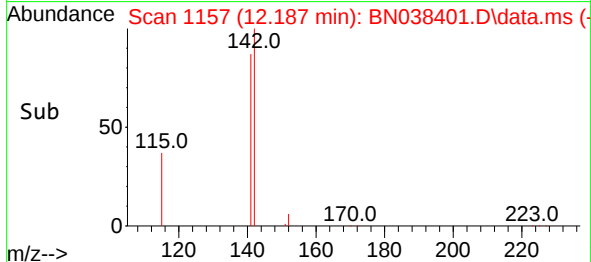
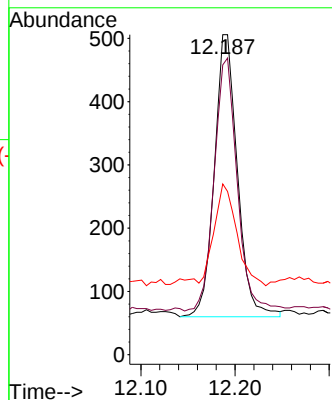
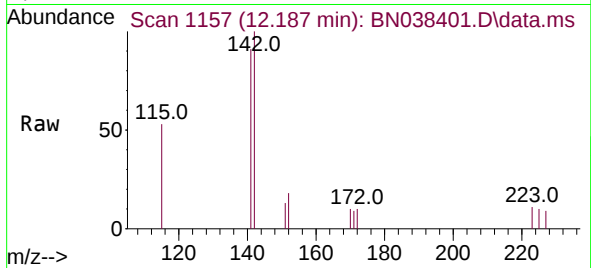




#12
2-Methylnaphthalene
Concen: 0.026 ng
RT: 12.187 min Scan# 1159
Delta R.T. -0.015 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

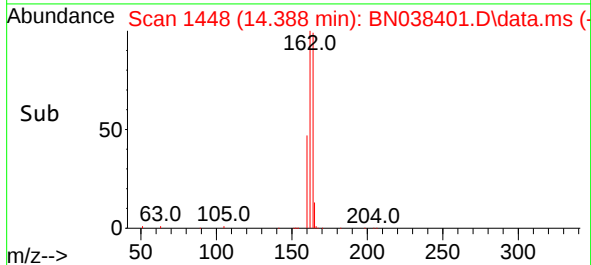
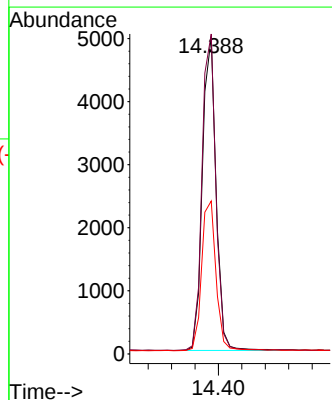
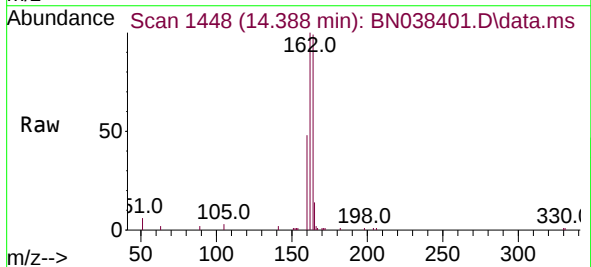
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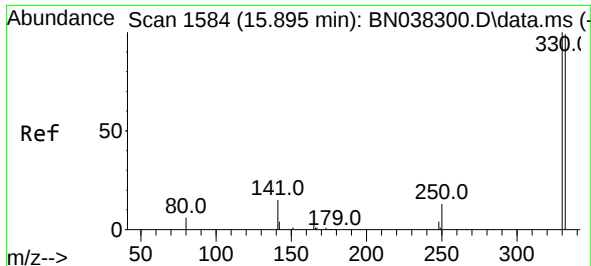
Tgt Ion:142 Resp: 760
Ion Ratio Lower Upper
142 100
141 90.5 71.4 107.2
115 53.4 28.4 42.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

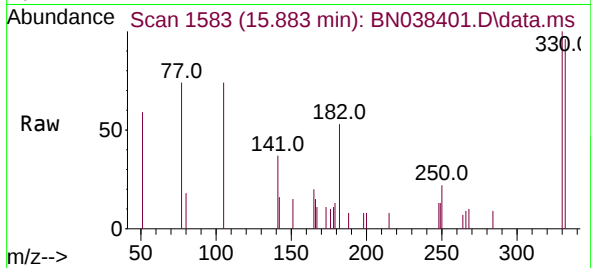
Tgt Ion:164 Resp: 7970
Ion Ratio Lower Upper
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162 101.0 86.2 129.4
160 48.2 44.6 67.0



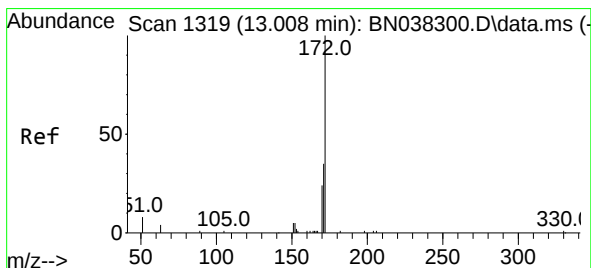
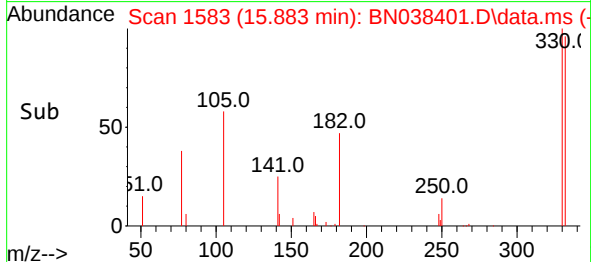
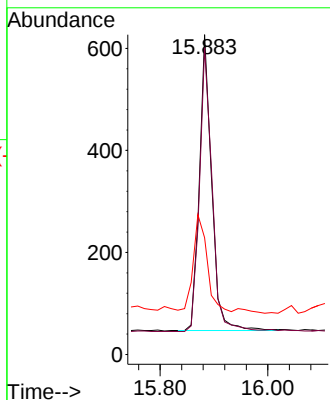


#14
2,4,6-Tribromophenol
Concen: 0.259 ng
RT: 15.883 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

Instrument :
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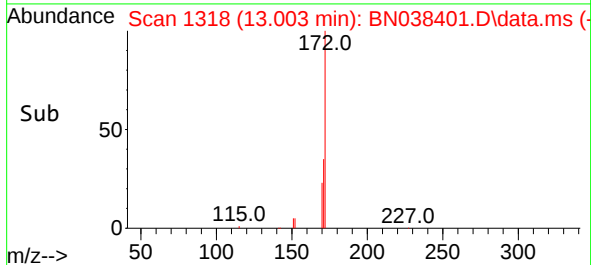
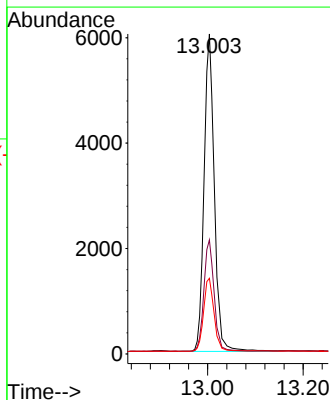
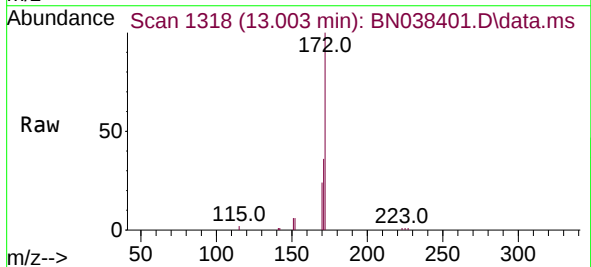


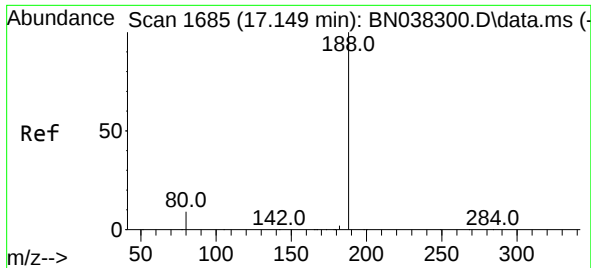
Tgt Ion:330 Resp: 917
Ion Ratio Lower Upper
330 100
332 98.7 75.8 113.6
141 37.1 31.8 47.8



#15
2-Fluorobiphenyl
Concen: 0.297 ng
RT: 13.003 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

Tgt Ion:172 Resp: 11411
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 23.6 19.3 28.9

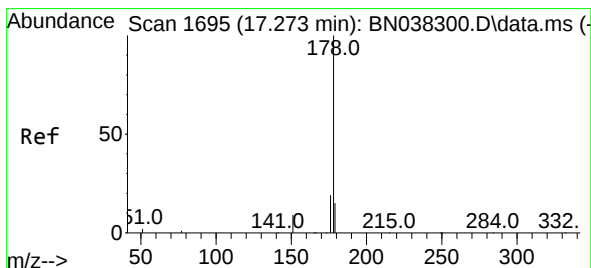
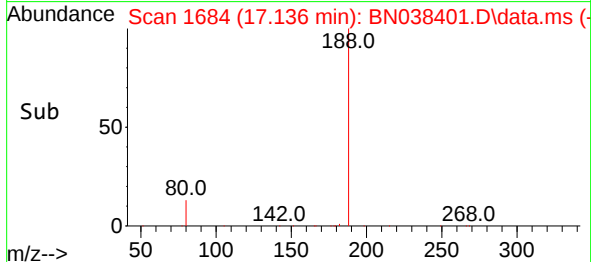
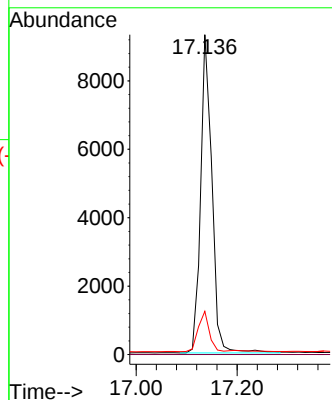
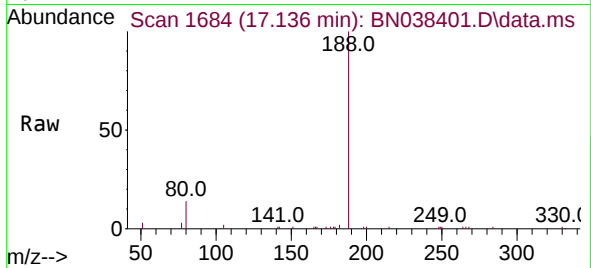




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

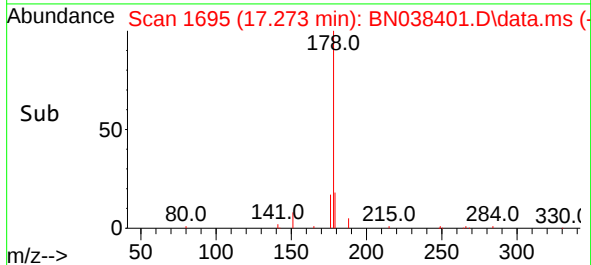
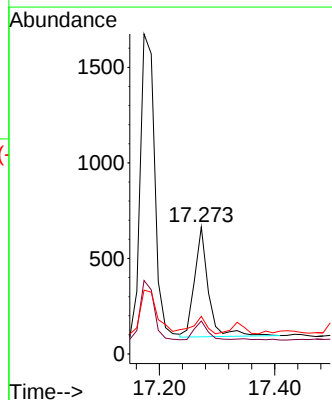
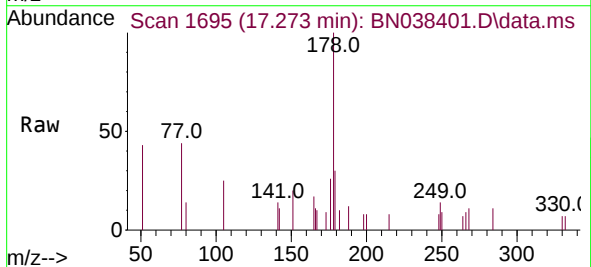
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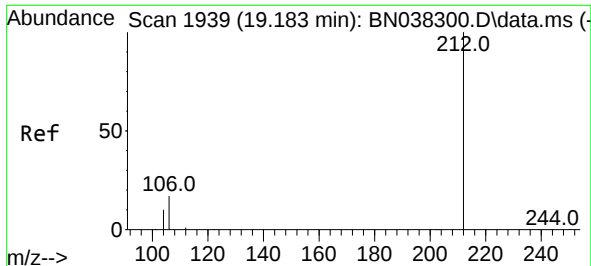
Tgt Ion:188 Resp: 14301
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.5 7.4 11.0#



#26
Anthracene
Concen: 0.022 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

Tgt Ion:178 Resp: 958
Ion Ratio Lower Upper
178 100
176 16.3 15.1 22.7
179 16.3 12.0 18.0

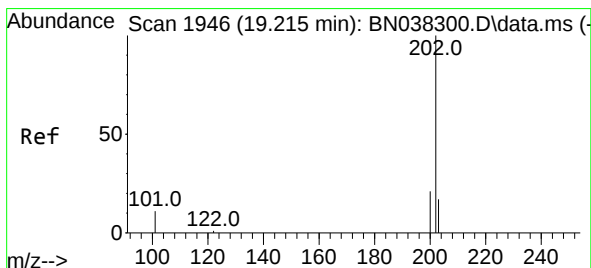
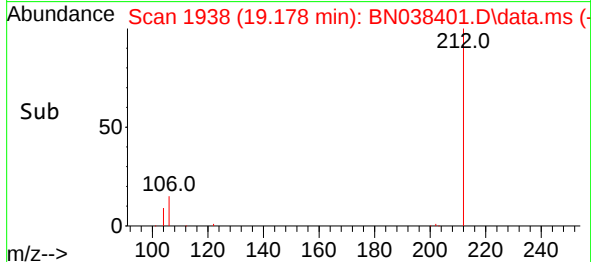
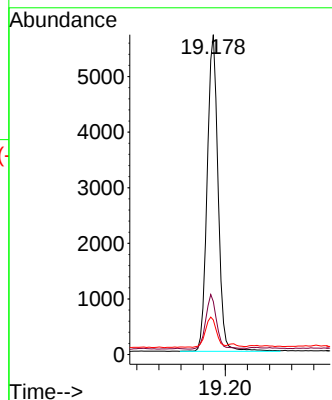
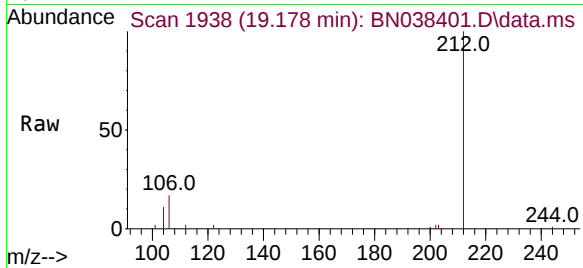




#27
Fluoranthene-d10
Concen: 0.218 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

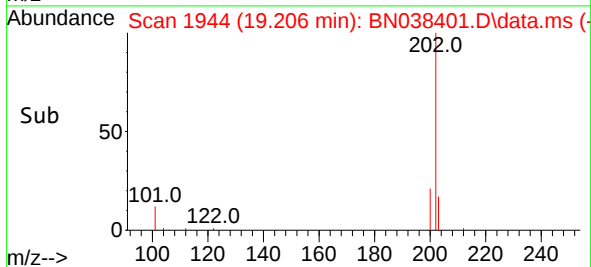
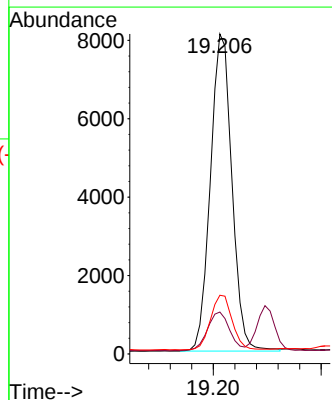
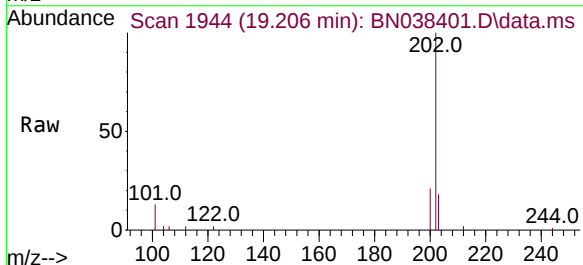
Instrument :
BNA_N
ClientSampleId :
COAM6

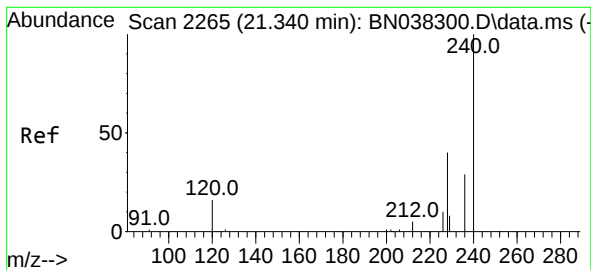
Tgt Ion:212 Resp: 7695
Ion Ratio Lower Upper
212 100
106 17.3 13.7 20.5
104 9.7 7.8 11.8



#28
Fluoranthene
Concen: 0.212 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

Tgt Ion:202 Resp: 11196
Ion Ratio Lower Upper
202 100
101 12.7 9.6 14.4
203 17.3 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: BN038401.D

Acq: 15 Dec 2025 12:54

Instrument :

BNA_N

ClientSampleId :

COAM6

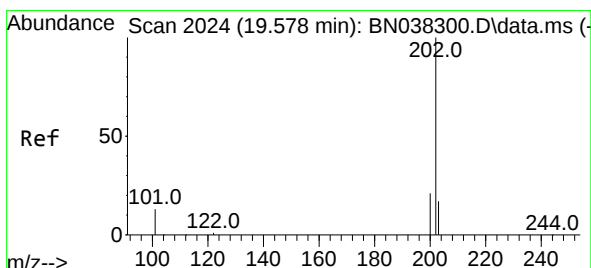
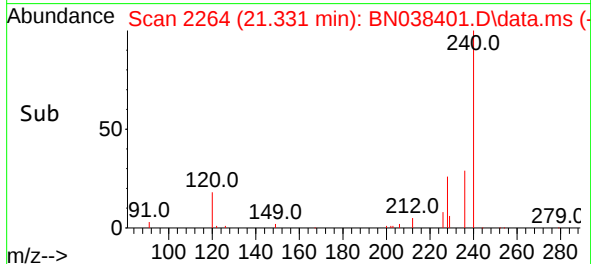
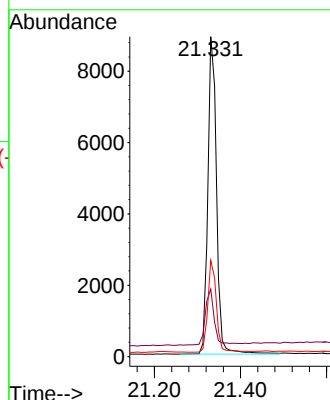
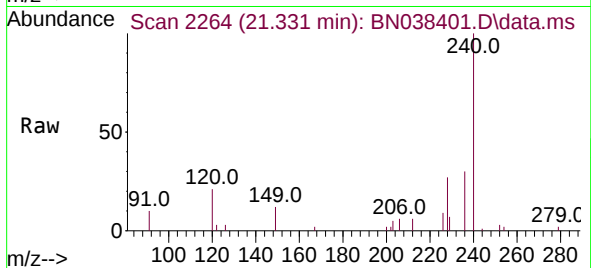
Tgt Ion:240 Resp: 12451

Ion Ratio Lower Upper

240 100

120 21.1 15.4 23.2

236 30.1 23.9 35.9



#30

Pyrene

Concen: 0.184 ng

RT: 19.568 min Scan# 2022

Delta R.T. -0.014 min

Lab File: BN038401.D

Acq: 15 Dec 2025 12:54

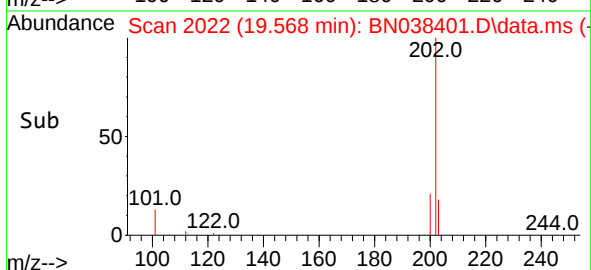
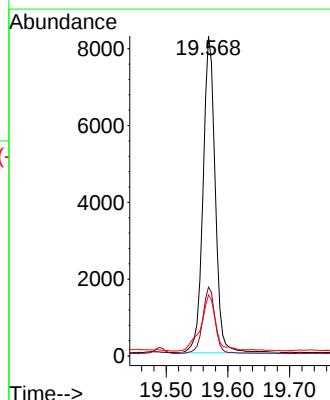
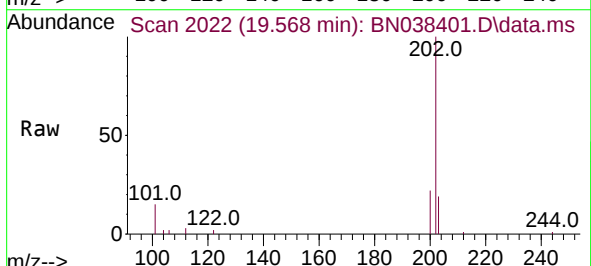
Tgt Ion:202 Resp: 11303

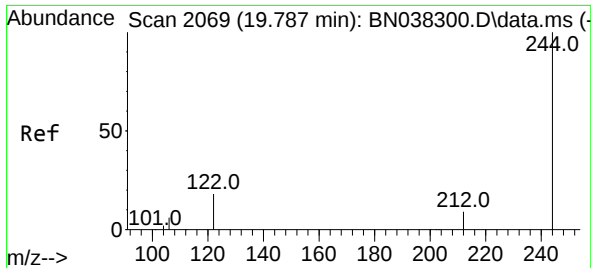
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 21.7 14.2 21.2#

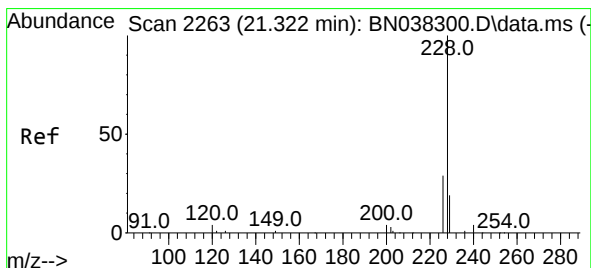
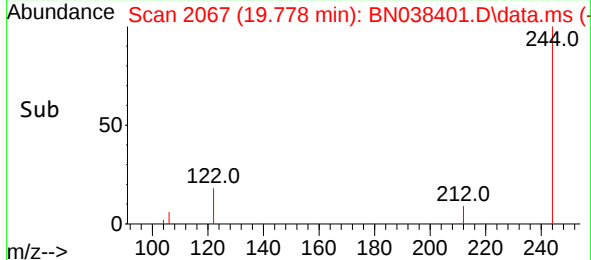
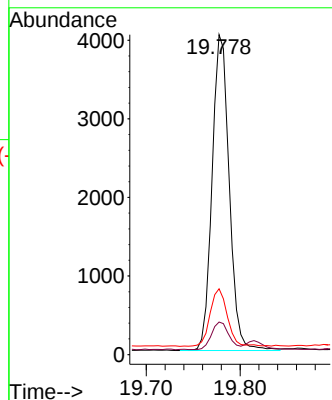
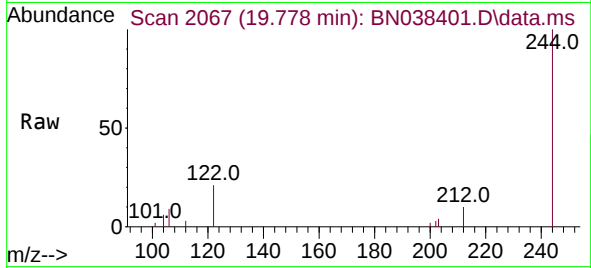




#31
 Terphenyl-d14
 Concen: 0.183 ng
 RT: 19.778 min Scan# 2069
 Delta R.T. -0.014 min
 Lab File: BN038401.D
 Acq: 15 Dec 2025 12:54

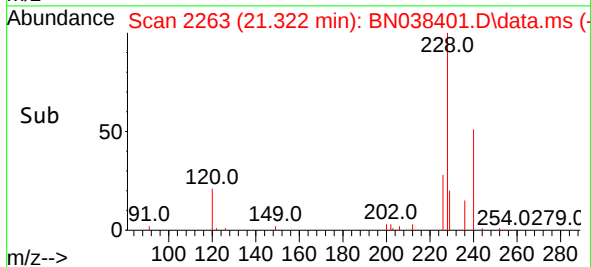
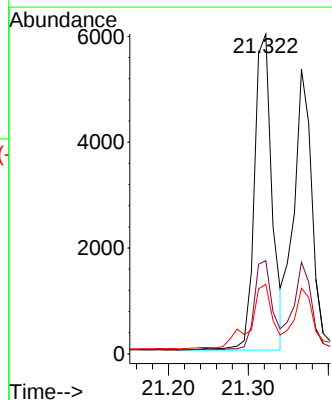
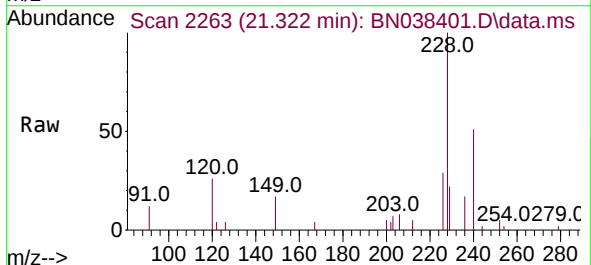
Instrument :
 BNA_N
 ClientSampleId :
 COAM6

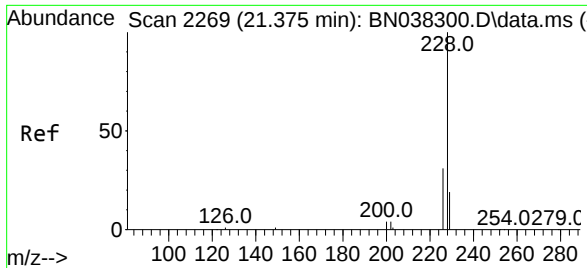
Tgt Ion:244 Resp: 5093
 Ion Ratio Lower Upper
 244 100
 212 10.2 7.9 11.9
 122 20.6 15.0 22.6



#32
 Benzo(a)anthracene
 Concen: 0.190 ng
 RT: 21.322 min Scan# 2263
 Delta R.T. -0.009 min
 Lab File: BN038401.D
 Acq: 15 Dec 2025 12:54

Tgt Ion:228 Resp: 9135
 Ion Ratio Lower Upper
 228 100
 226 29.1 23.3 34.9
 229 21.7 15.7 23.5





#33

Chrysene

Concen: 0.159 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038401.D

Acq: 15 Dec 2025 12:54

Instrument :

BNA_N

ClientSampleId :

COAM6

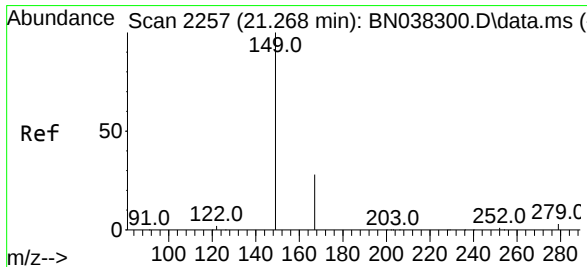
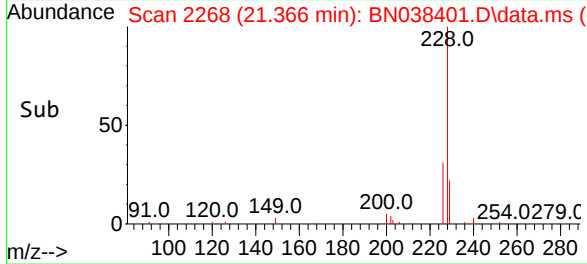
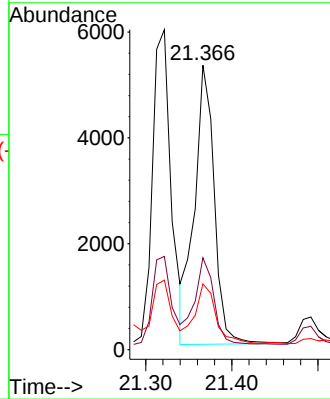
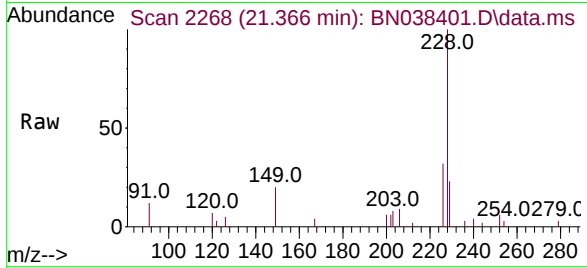
Tgt Ion:228 Resp: 8411

Ion Ratio Lower Upper

228 100

226 32.2 25.0 37.4

229 23.1 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.147 ng

RT: 21.259 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN038401.D

Acq: 15 Dec 2025 12:54

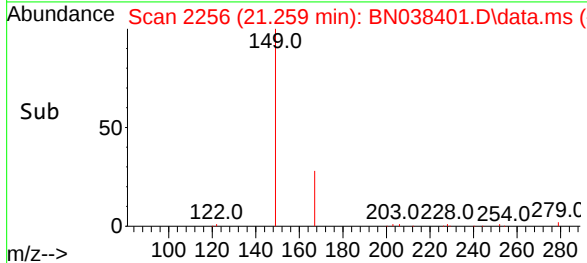
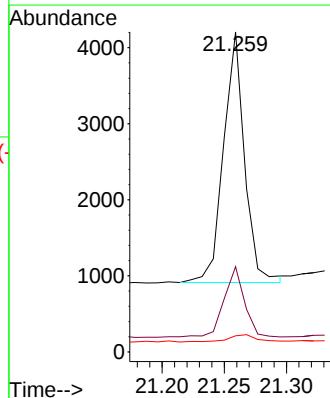
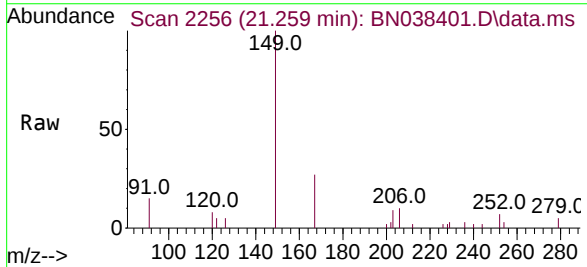
Tgt Ion:149 Resp: 3874

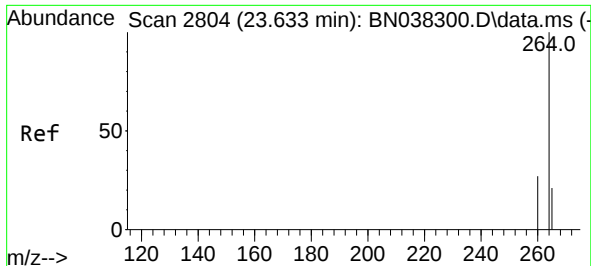
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

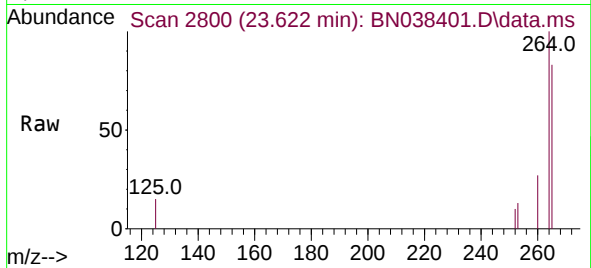
279 4.3 2.4 3.6#





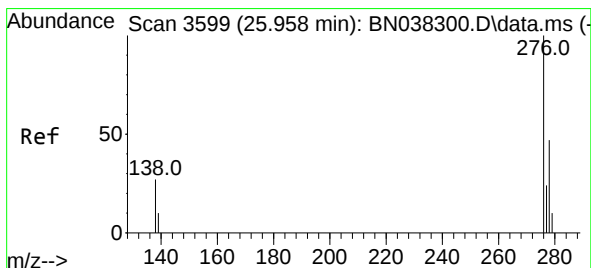
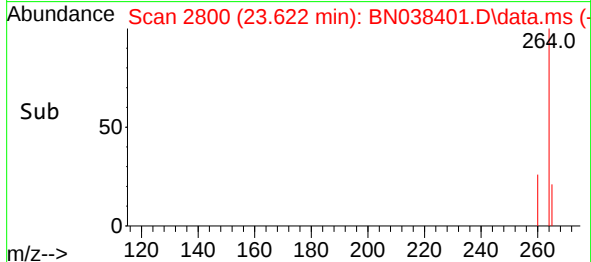
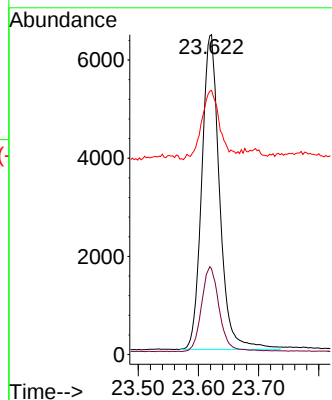
#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.622 min Scan# 2800
 Delta R.T. -0.012 min
 Lab File: BN038401.D
 Acq: 15 Dec 2025 12:54

Instrument :
 BNA_N
 ClientSampleId :
 COAM6



Tgt Ion:264 Resp: 13228

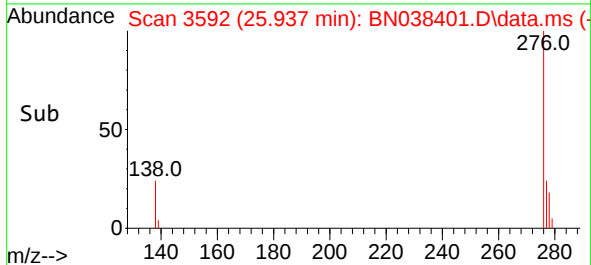
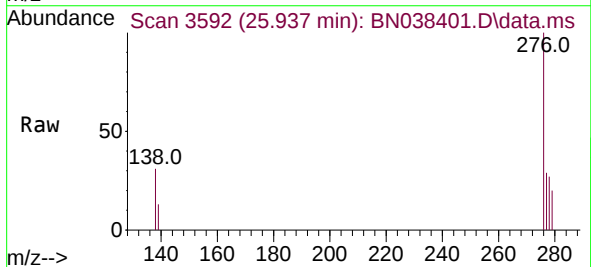
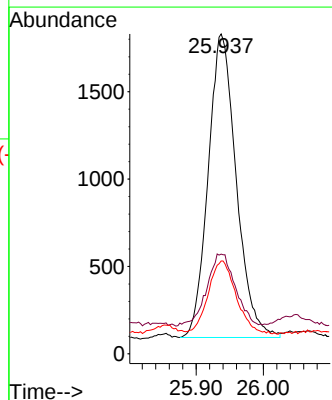
Ion	Ratio	Lower	Upper
264	100		
260	26.8	22.2	33.2
265	82.6	80.2	120.2

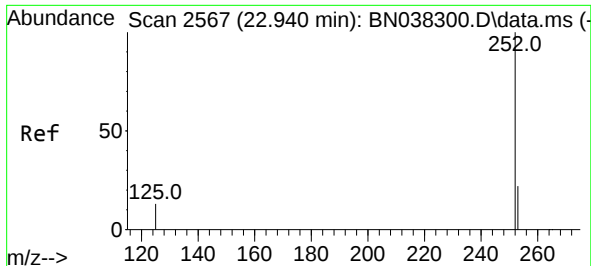


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.072 ng
 RT: 25.937 min Scan# 3592
 Delta R.T. -0.026 min
 Lab File: BN038401.D
 Acq: 15 Dec 2025 12:54

Tgt Ion:276 Resp: 5038

Ion	Ratio	Lower	Upper
276	100		
138	24.2	23.6	35.4
277	24.5	19.7	29.5

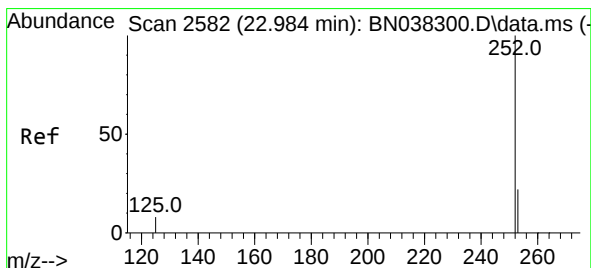
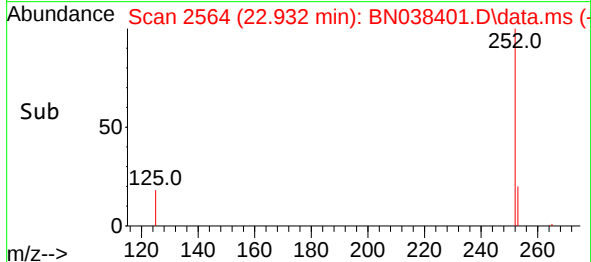
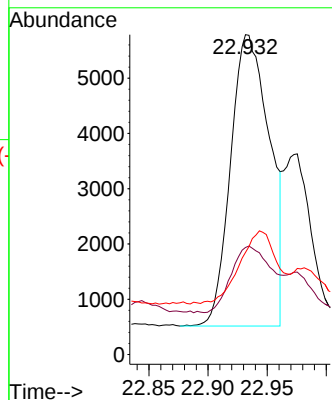
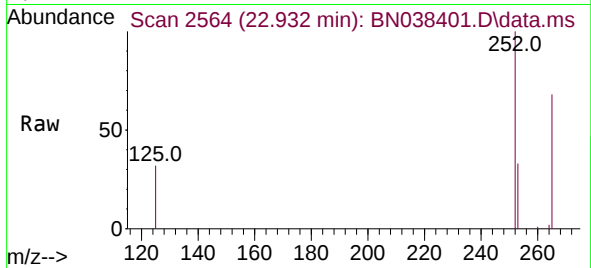




#37
Benzo(b)fluoranthene
Concen: 0.199 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.015 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

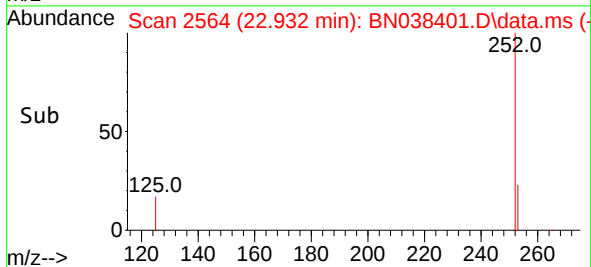
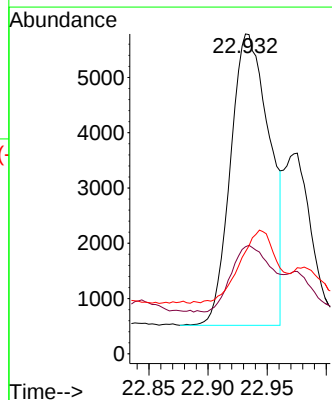
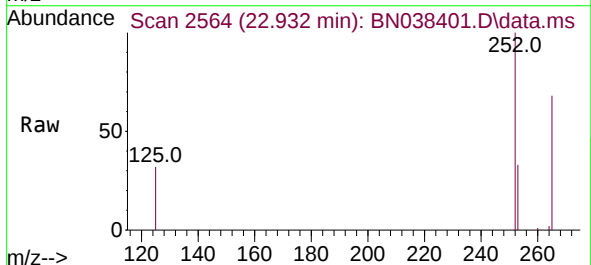
Instrument :
BNA_N
ClientSampleId :
COAM6

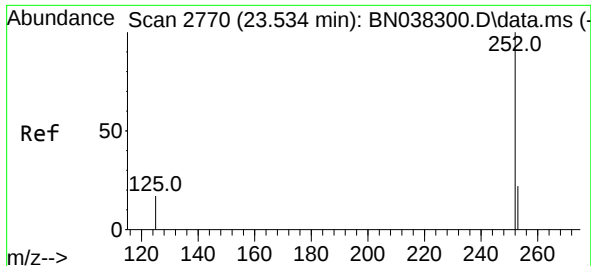
Tgt Ion:252 Resp: 12088
Ion Ratio Lower Upper
252 100
253 33.5 21.1 31.7#
125 31.9 16.4 24.6#



#38
Benzo(k)fluoranthene
Concen: 0.200 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.058 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

Tgt Ion:252 Resp: 12088
Ion Ratio Lower Upper
252 100
253 33.5 21.4 32.0#
125 31.9 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 0.161 ng

RT: 23.519 min Scan# 21

Delta R.T. -0.015 min

Lab File: BN038401.D

Acq: 15 Dec 2025 12:54

Instrument :

BNA_N

ClientSampleId :

COAM6

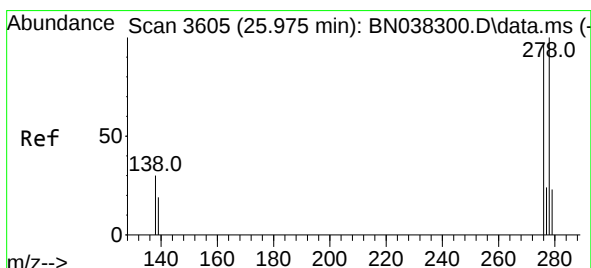
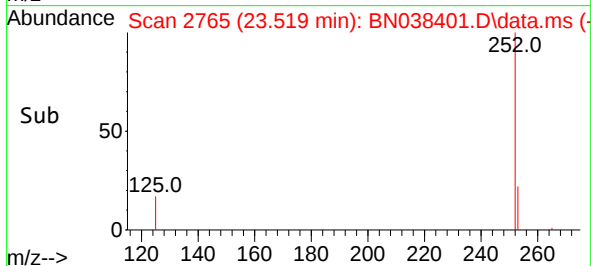
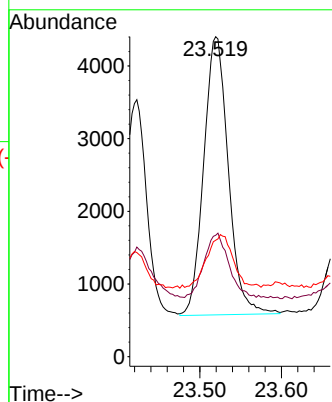
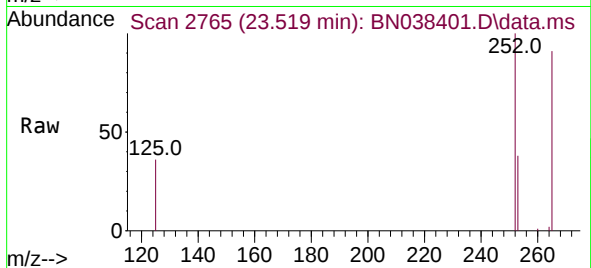
Tgt Ion:252 Resp: 8025

Ion Ratio Lower Upper

252 100

253 37.9 23.3 34.9#

125 36.4 22.4 33.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.029 ng

RT: 25.946 min Scan# 3595

Delta R.T. -0.035 min

Lab File: BN038401.D

Acq: 15 Dec 2025 12:54

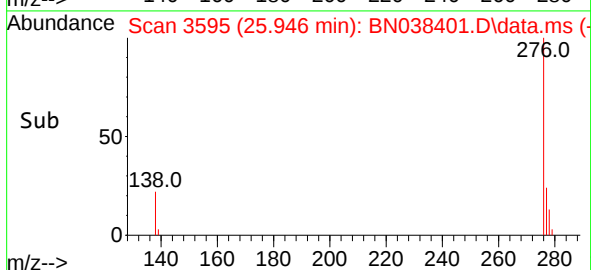
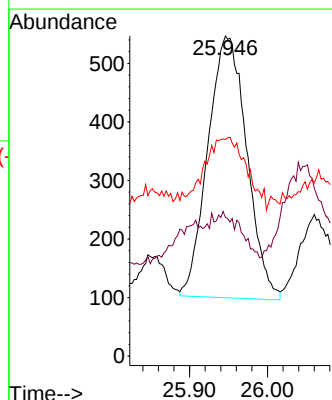
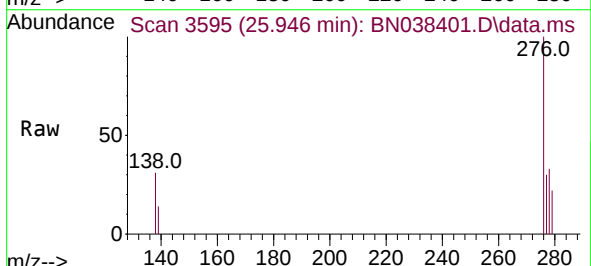
Tgt Ion:278 Resp: 1553

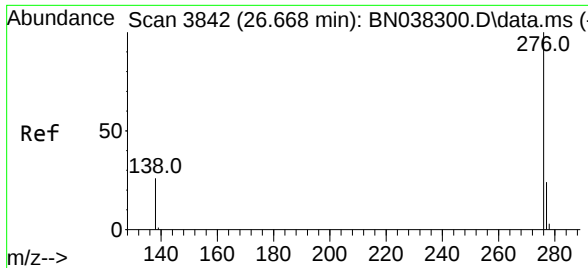
Ion Ratio Lower Upper

278 100

139 43.3 17.8 26.8#

279 67.6 21.3 31.9#





#41
Benzo(g,h,i)perylene
Concen: 0.078 ng
RT: 26.648 min Scan# 3842
Delta R.T. -0.029 min
Lab File: BN038401.D
Acq: 15 Dec 2025 12:54

Instrument :
BNA_N
ClientSampleId :
C0AM6

Tgt Ion:	276	Resp:	4713
Ion	Ratio	Lower	Upper
276	100		
277	30.1	20.0	30.0#
138	32.2	21.8	32.6

