

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038404.D
 Acq On : 15 Dec 2025 14:44
 Operator : RC/JU
 Sample : Q3839-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN1

Quant Time: Dec 15 18:29:55 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)

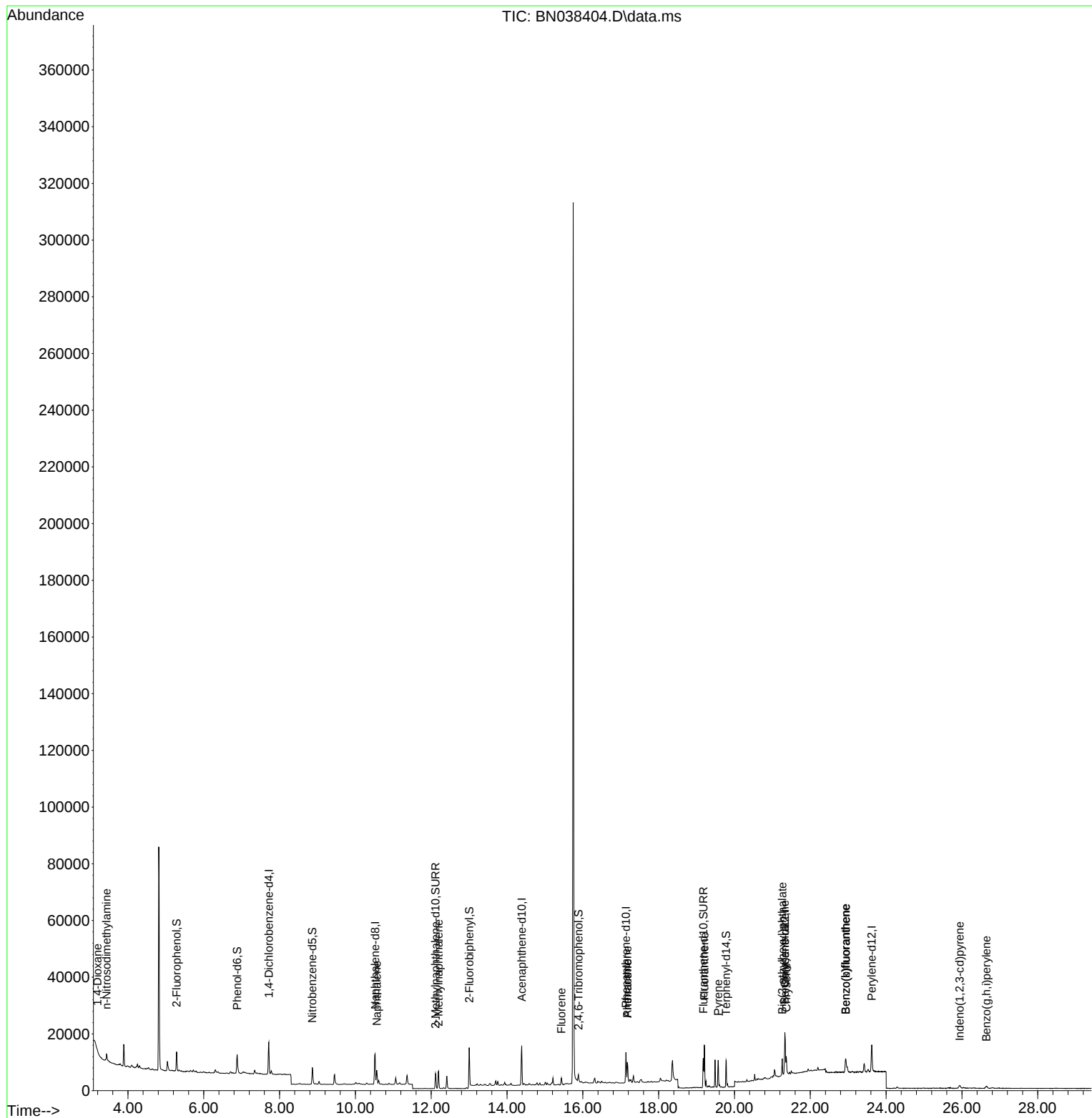
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5651	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	15361	0.400	ng	-0.01
13) Acenaphthene-d10	14.388	164	8102	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13607	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	11961	0.400	ng	0.00
35) Perylene-d12	23.622	264	13068	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	5372	0.382	ng	0.00
5) Phenol-d6	6.879	99	6153	0.368	ng	0.00
8) Nitrobenzene-d5	8.865	82	5058	0.390	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	7410	0.342	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	1140	0.317	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	16564	0.424	ng	0.00
27) Fluoranthene-d10	19.178	212	11307	0.336	ng	0.00
31) Terphenyl-d14	19.777	244	8754	0.328	ng	-0.01
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.196	88	206	0.032	ng	# 56
3) n-Nitrosodimethylamine	3.434	42	752	0.093	ng	# 1
9) Naphthalene	10.562	128	6441	0.142	ng	97
12) 2-Methylnaphthalene	12.192	142	4493	0.156	ng	99
18) Fluorene	15.435	166	1038	0.029	ng	# 93
25) Phenanthrene	17.173	178	8385	0.177	ng	98
26) Anthracene	17.173	178	8306	0.203	ng	98
28) Fluoranthene	19.206	202	12983	0.258	ng	98
30) Pyrene	19.568	202	8336	0.142	ng	97
32) Benzo(a)anthracene	21.322	228	3782	0.082	ng	# 88
33) Chrysene	21.366	228	6631	0.130	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.259	149	5279	0.208	ng	100
36) Indeno(1,2,3-cd)pyrene	25.937	276	1525	0.022	ng	94
37) Benzo(b)fluoranthene	22.932	252	9510	0.158	ng	# 68
38) Benzo(k)fluoranthene	22.932	252	9510	0.159	ng	# 68
41) Benzo(g,h,i)perylene	26.645	276	1635	0.027	ng	# 69

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

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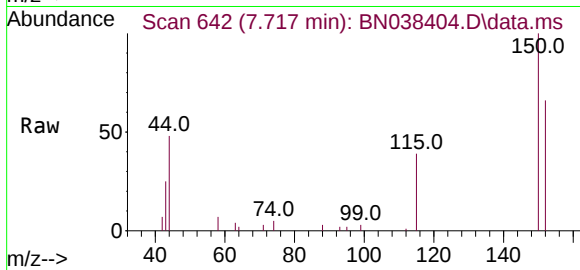
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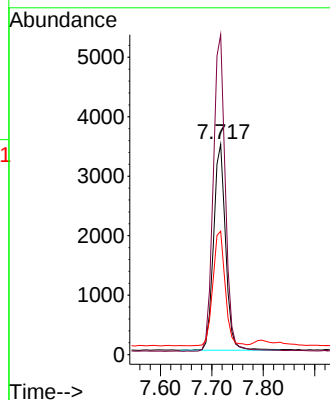
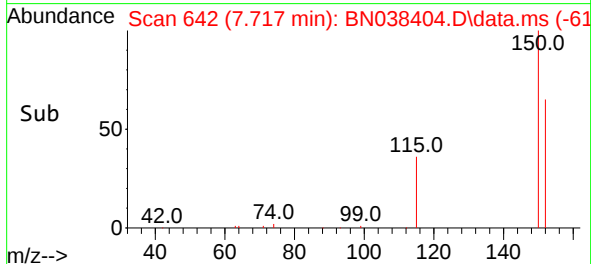


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

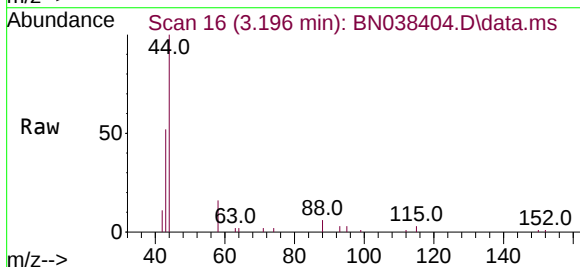
Instrument :
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 ClientSampleId :
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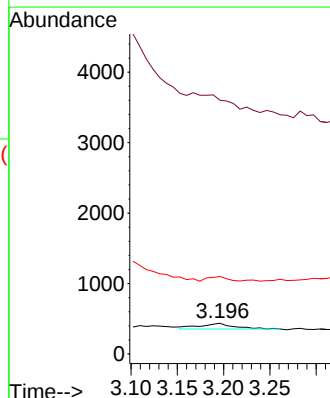
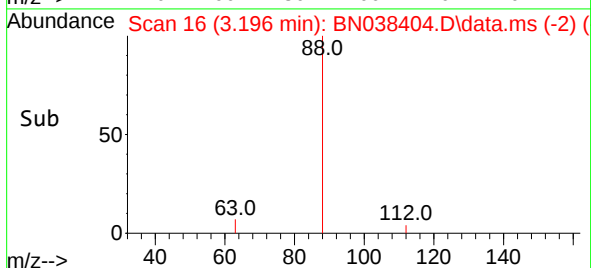
Tgt Ion:152 Resp: 5651
 Ion Ratio Lower Upper
 152 100
 150 152.1 122.4 183.6
 115 58.7 47.3 70.9



#2
 1,4-Dioxane
 Concen: 0.032 ng
 RT: 3.196 min Scan# 16
 Delta R.T. 0.000 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44



Tgt Ion: 88 Resp: 206
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.9 37.3#
 58 43.7 61.4 92.0#

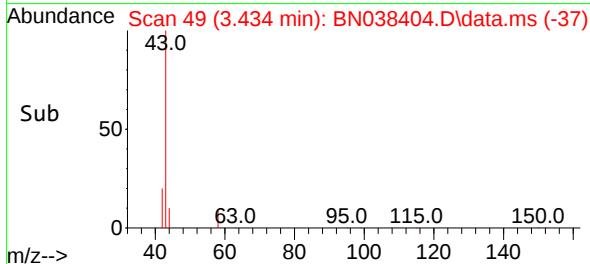
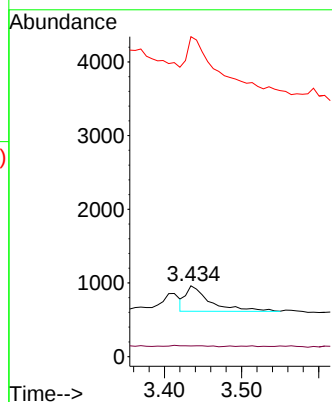
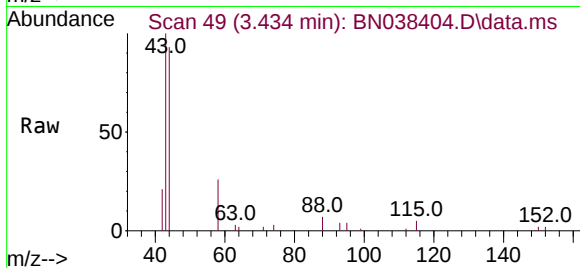




#3
 n-Nitrosodimethylamine
 Concen: 0.093 ng
 RT: 3.434 min Scan# 49
 Delta R.T. -0.065 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

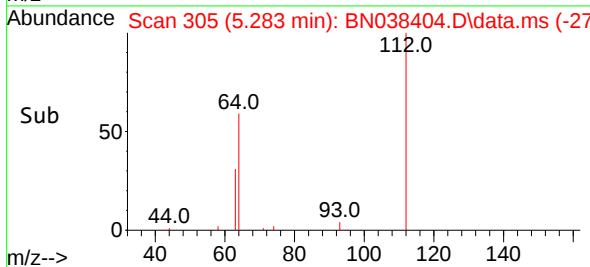
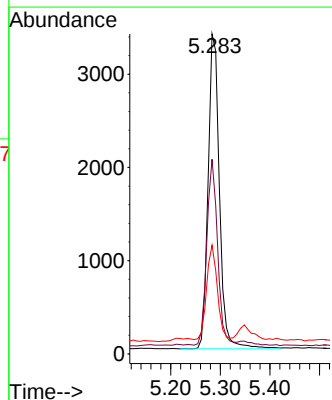
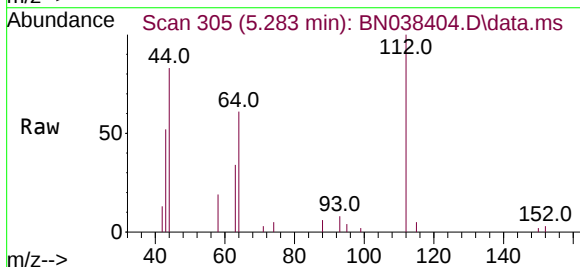
Instrument :
 BNA_N
 ClientSampleId :
 COAN1

Tgt Ion: 42 Resp: 752
 Ion Ratio Lower Upper
 42 100
 74 0.0 95.3 142.9#
 44 304.9 7.9 11.9#



#4
 2-Fluorophenol
 Concen: 0.382 ng
 RT: 5.283 min Scan# 305
 Delta R.T. -0.007 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

Tgt Ion: 112 Resp: 5372
 Ion Ratio Lower Upper
 112 100
 64 55.8 44.4 66.6
 63 28.7 23.4 35.0

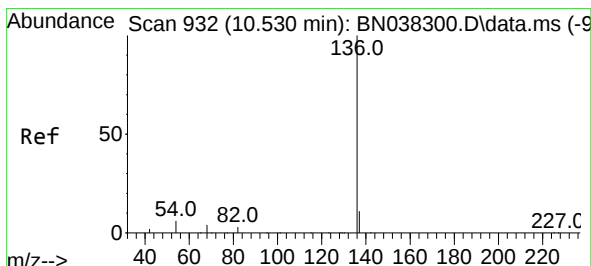
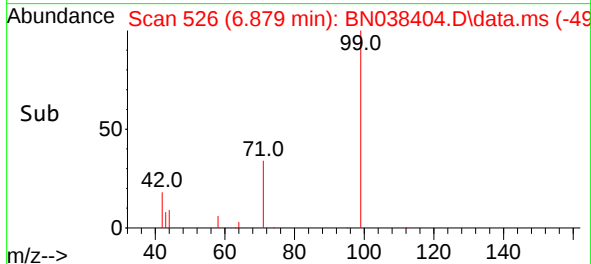
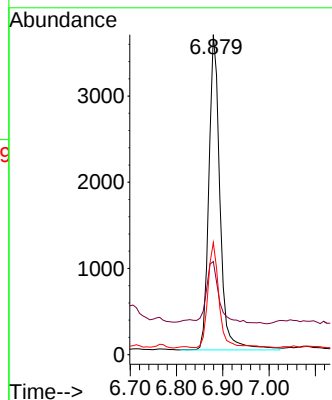
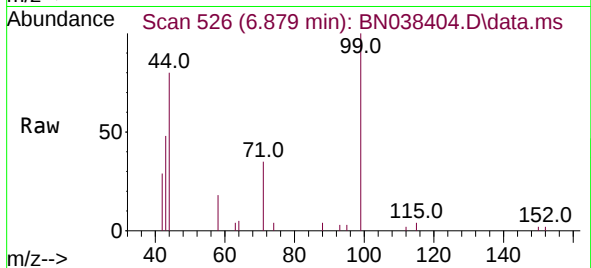




#5
Phenol-d6
Concen: 0.368 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

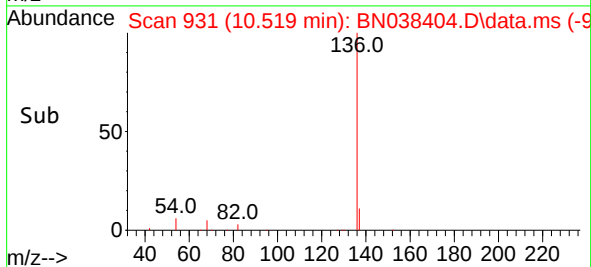
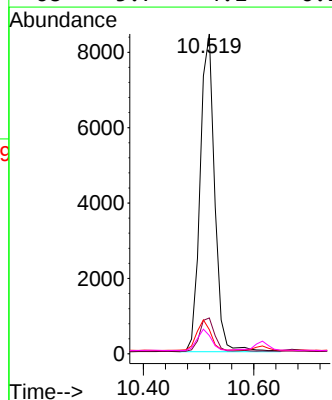
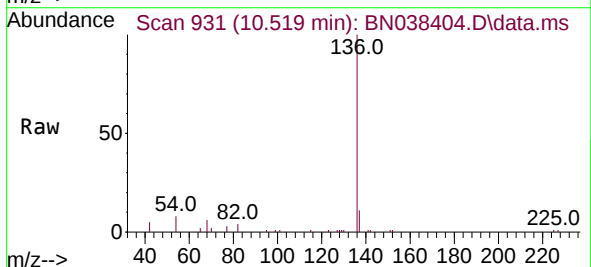
Instrument :
BNA_N
ClientSampleId :
COAN1

Tgt Ion: 99 Resp: 6153
Ion Ratio Lower Upper
99 100
42 22.9 16.5 24.7
71 33.3 24.9 37.3



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Tgt Ion: 136 Resp: 15361
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.6 5.2 7.8
68 5.7 4.1 6.1

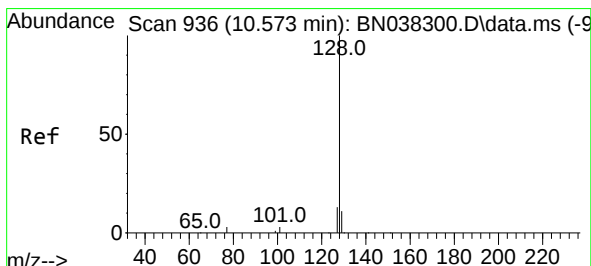
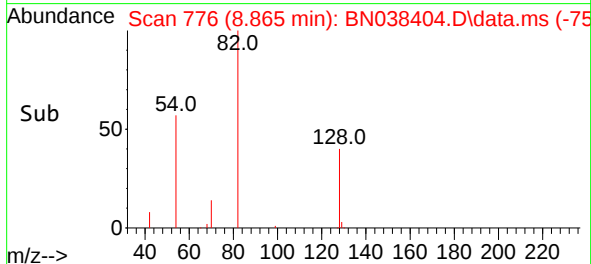
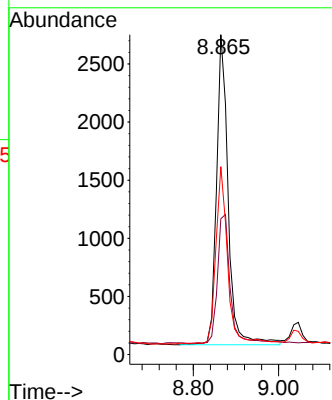
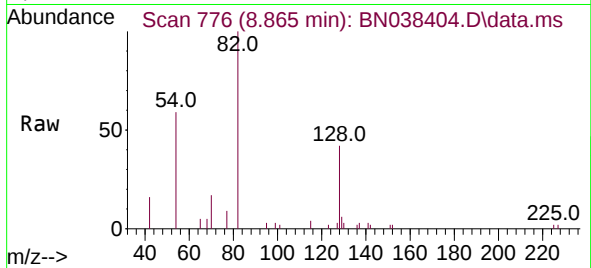




#8
Nitrobenzene-d5
Concen: 0.390 ng
RT: 8.865 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

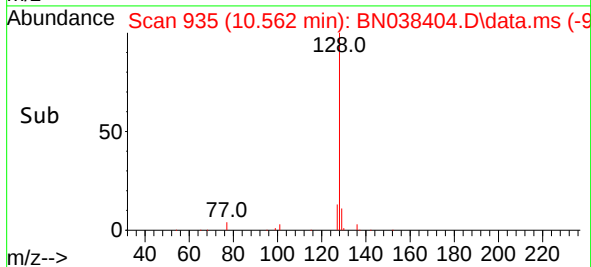
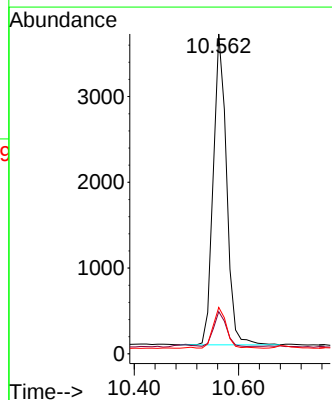
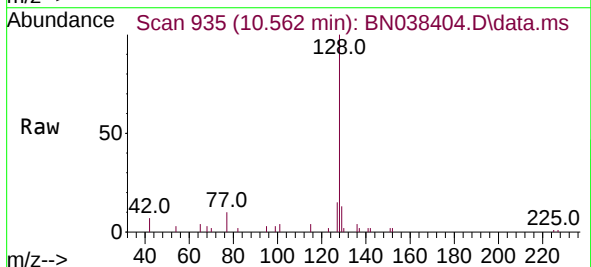
Instrument :
BNA_N
ClientSampleId :
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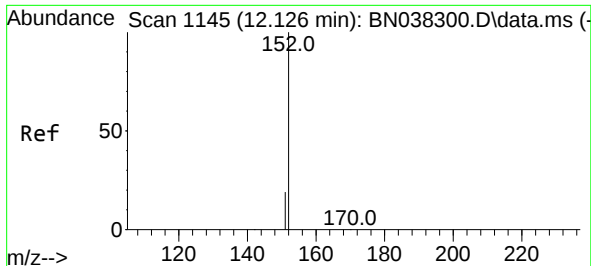
Tgt Ion: 82 Resp: 5058
Ion Ratio Lower Upper
82 100
128 42.4 34.0 51.0
54 58.7 44.4 66.6



#9
Naphthalene
Concen: 0.142 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Tgt Ion: 128 Resp: 6441
Ion Ratio Lower Upper
128 100
129 13.2 9.1 13.7
127 14.5 10.9 16.3

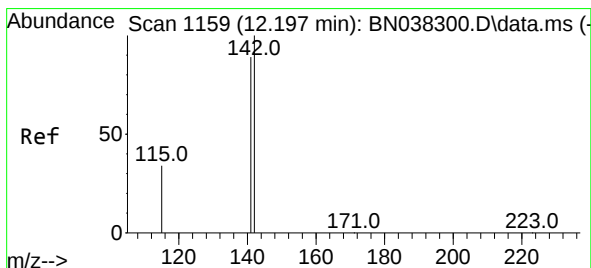
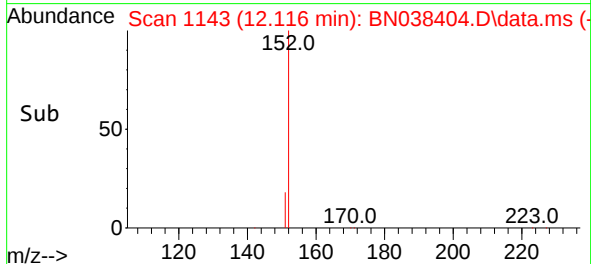
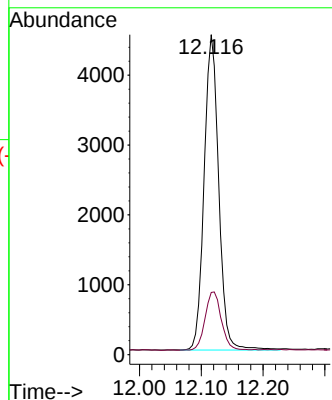
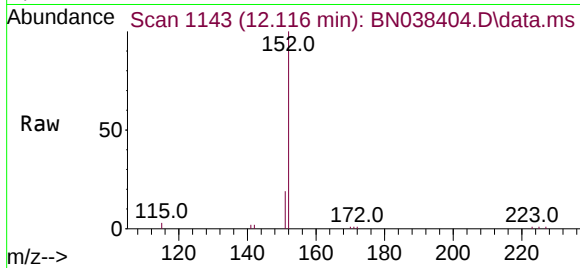




#11
2-Methylnaphthalene-d10
Concen: 0.342 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

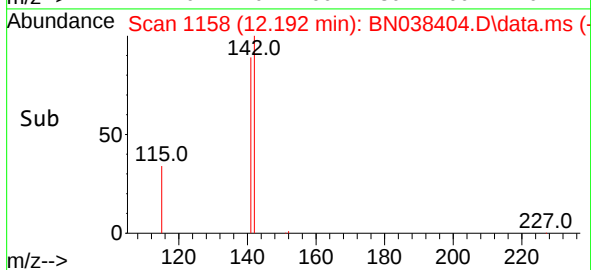
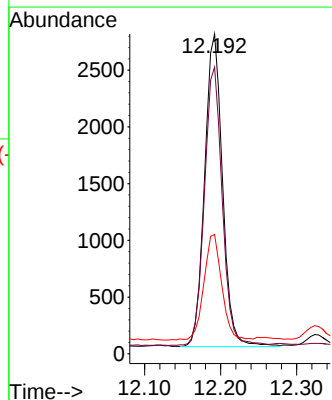
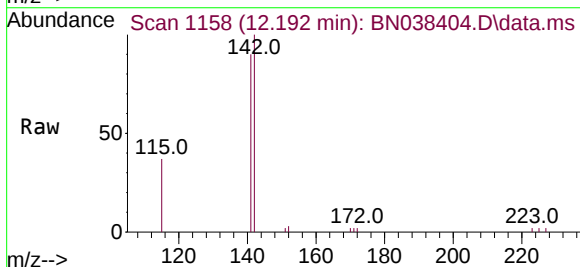
Instrument :
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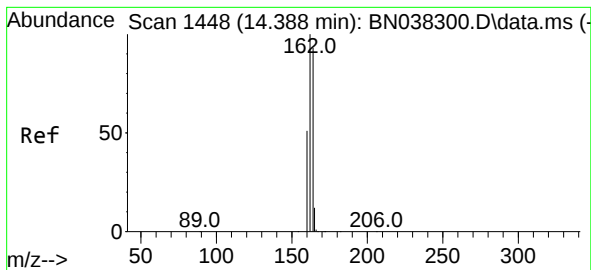
Tgt Ion:152 Resp: 7410
Ion Ratio Lower Upper
152 100
151 20.6 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.156 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Tgt Ion:142 Resp: 4493
Ion Ratio Lower Upper
142 100
141 89.6 71.4 107.2
115 37.3 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: BN038404.D

Acq: 15 Dec 2025 14:44

Instrument :

BNA_N

ClientSampleId :

COAN1

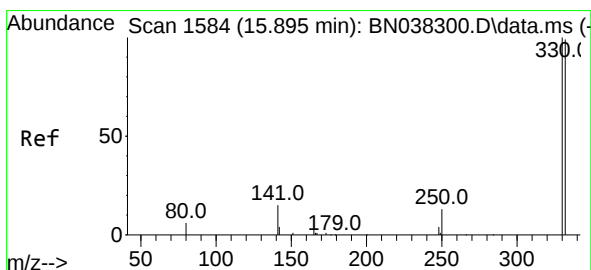
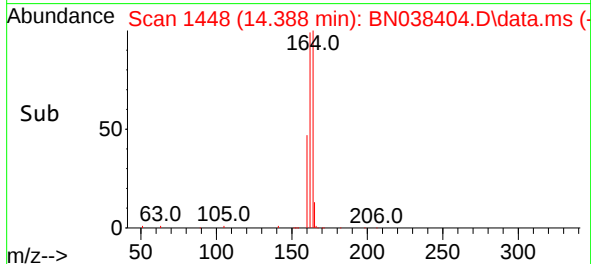
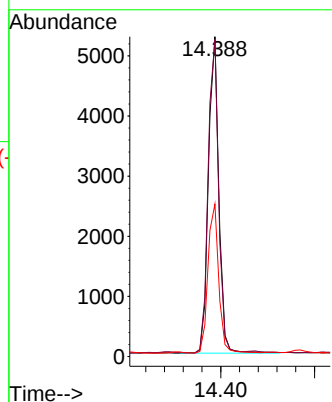
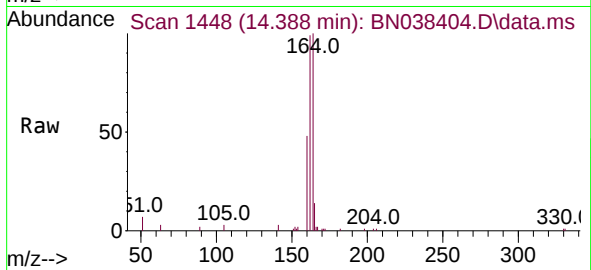
Tgt Ion:164 Resp: 8102

Ion Ratio Lower Upper

164 100

162 99.1 86.2 129.4

160 47.7 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.317 ng

RT: 15.882 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BN038404.D

Acq: 15 Dec 2025 14:44

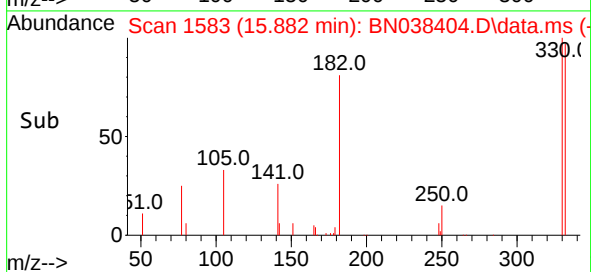
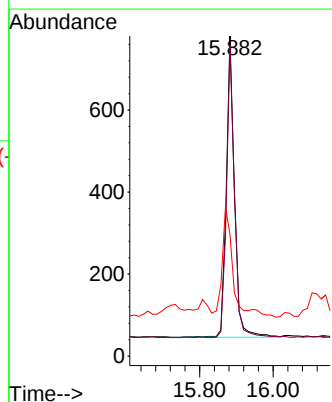
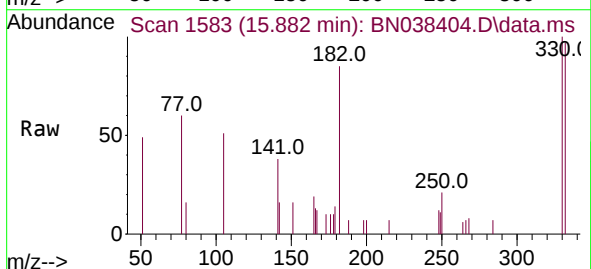
Tgt Ion:330 Resp: 1140

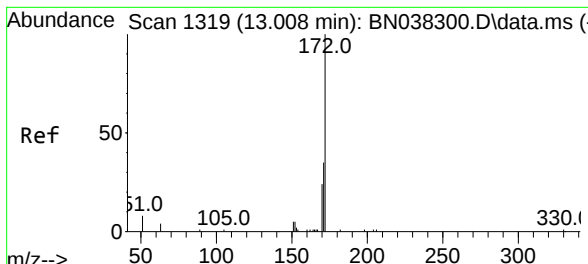
Ion Ratio Lower Upper

330 100

332 95.7 75.8 113.6

141 48.0 31.8 47.8#

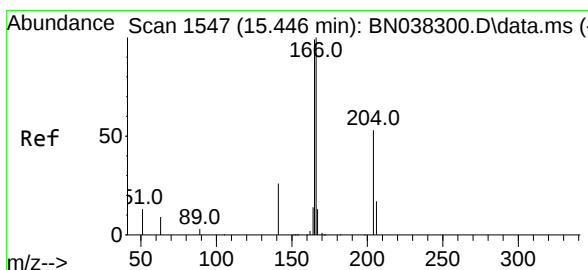
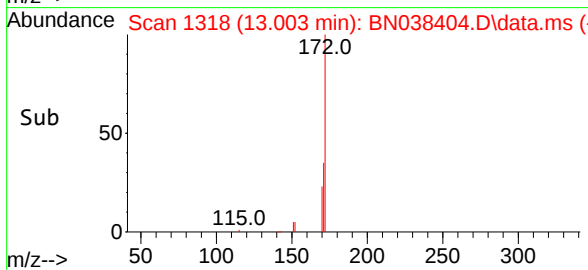
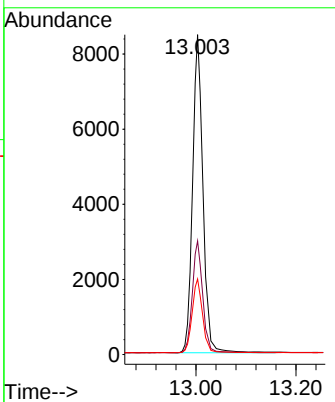
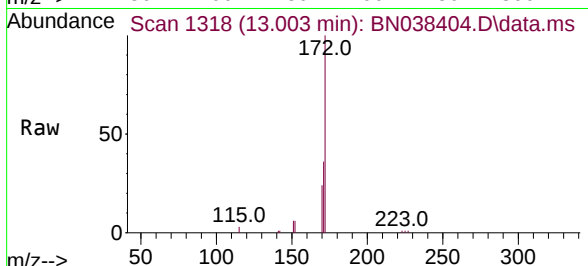




#15
 2-Fluorobiphenyl
 Concen: 0.424 ng
 RT: 13.003 min Scan# 1318
 Delta R.T. -0.005 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

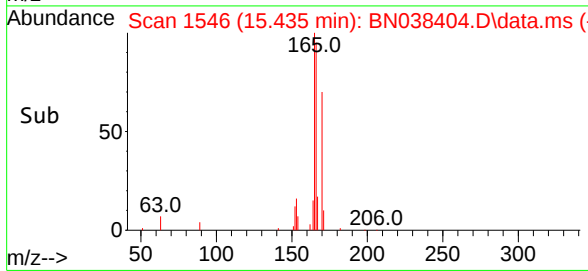
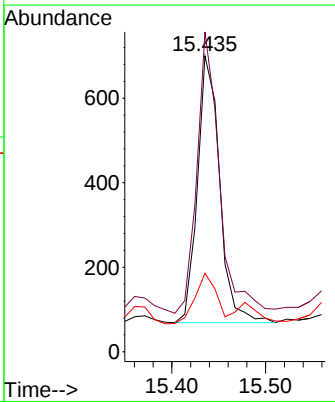
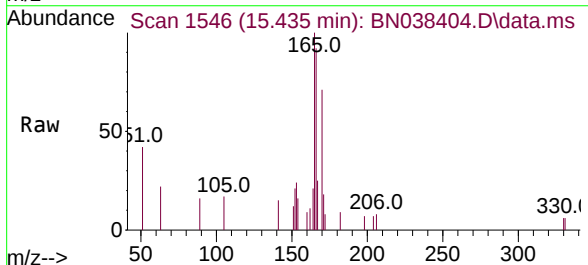
Instrument :
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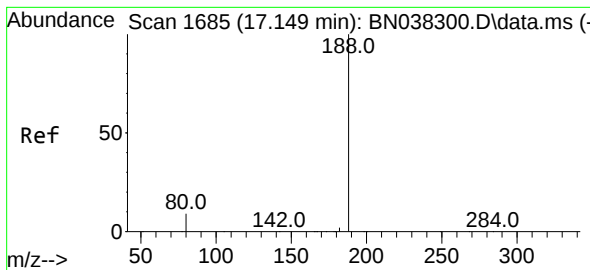
Tgt Ion:	172	Resp:	16564
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.6	42.8
170	23.6	19.3	28.9



#18
 Fluorene
 Concen: 0.029 ng
 RT: 15.435 min Scan# 1546
 Delta R.T. -0.011 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

Tgt Ion:	166	Resp:	1038
Ion Ratio	Lower	Upper	
166	100		
165	106.6	80.2	120.4
167	20.0	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: BN038404.D

Acq: 15 Dec 2025 14:44

Instrument :

BNA_N

ClientSampleId :

COAN1

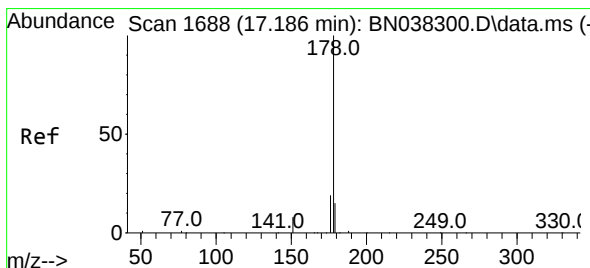
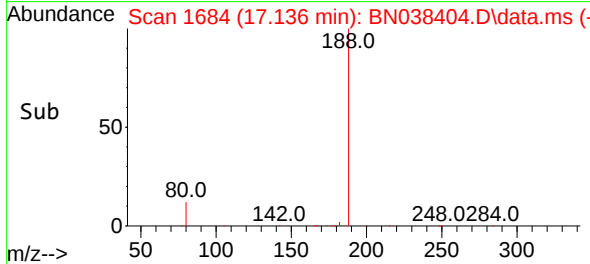
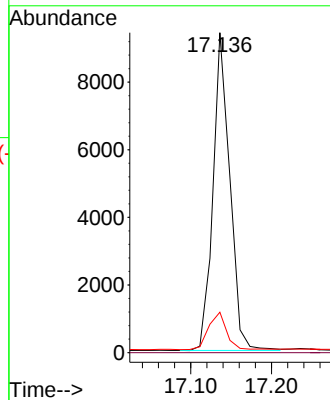
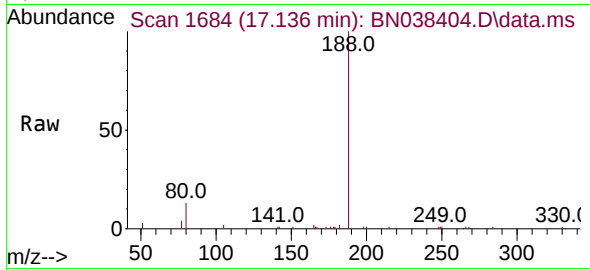
Tgt Ion:188 Resp: 13607

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.6 7.4 11.0#



#25

Phenanthrene

Concen: 0.177 ng

RT: 17.173 min Scan# 1687

Delta R.T. -0.012 min

Lab File: BN038404.D

Acq: 15 Dec 2025 14:44

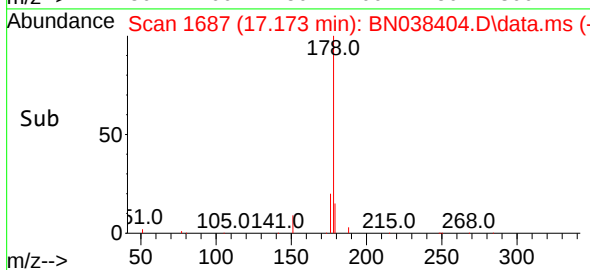
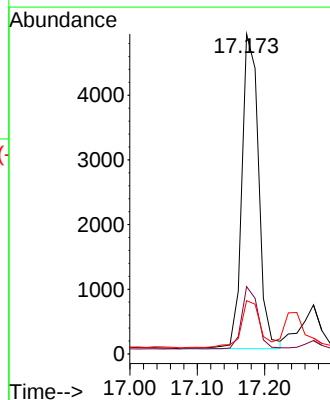
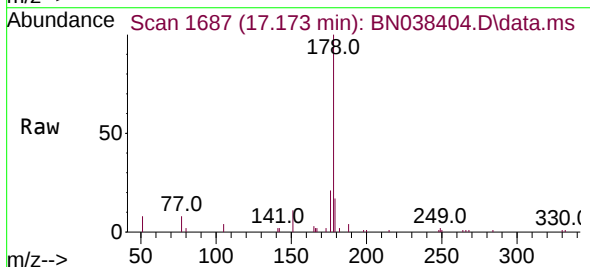
Tgt Ion:178 Resp: 8385

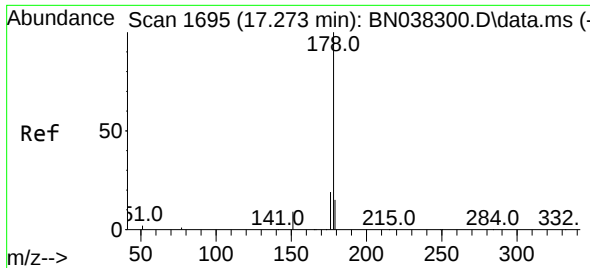
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 17.0 12.2 18.2

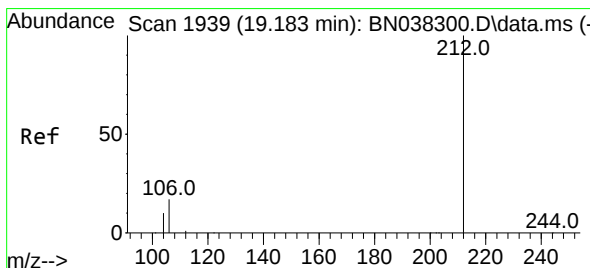
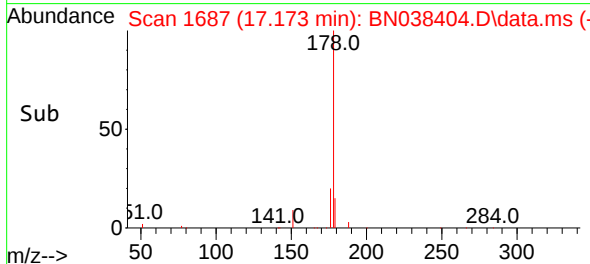
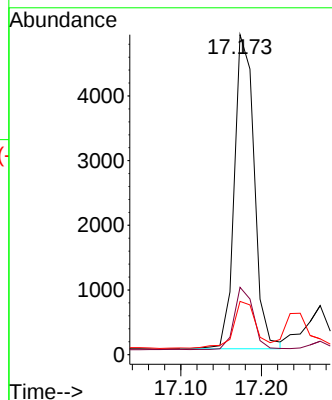
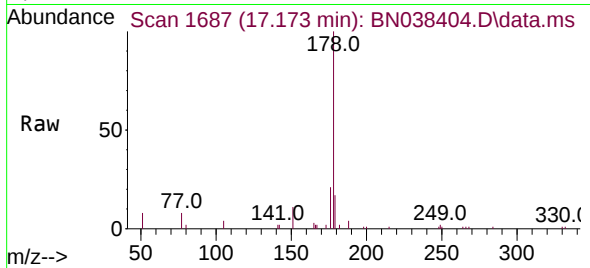




#26
 Anthracene
 Concen: 0.203 ng
 RT: 17.173 min Scan# 1687
 Delta R.T. -0.112 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

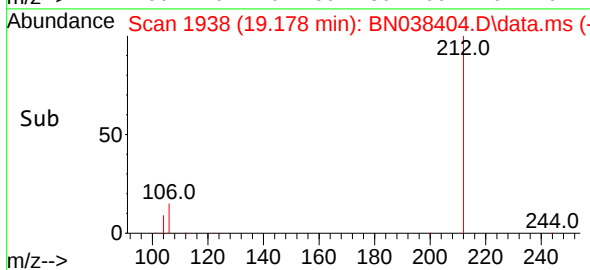
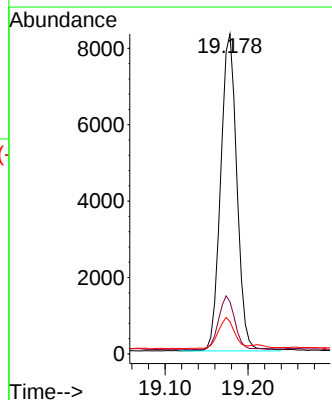
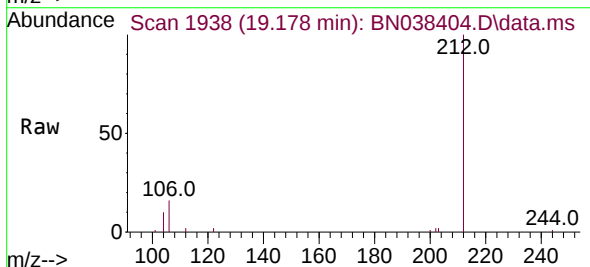
Instrument :
 BNA_N
 ClientSampleId :
 C0AN1

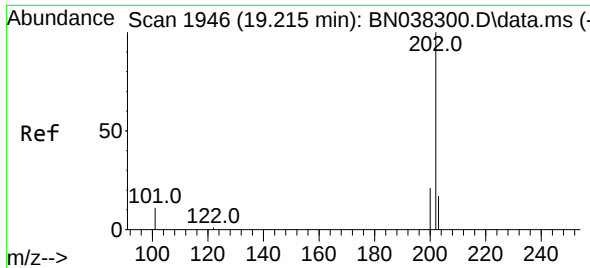
Tgt Ion:178 Resp: 8306
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.1 22.7
 179 16.8 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.336 ng
 RT: 19.178 min Scan# 1938
 Delta R.T. -0.009 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

Tgt Ion:212 Resp: 11307
 Ion Ratio Lower Upper
 212 100
 106 17.1 13.7 20.5
 104 10.0 7.8 11.8

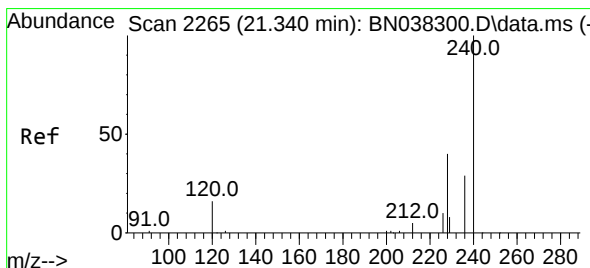
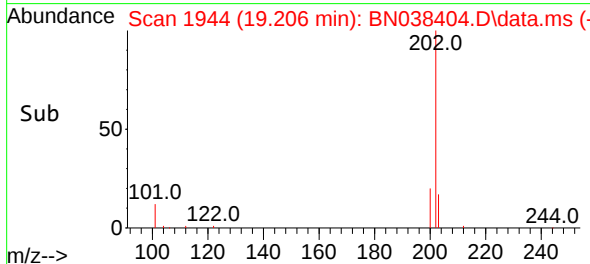
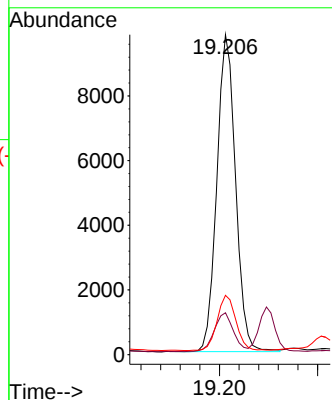
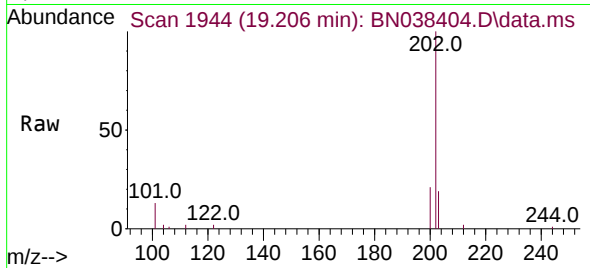




#28
Fluoranthene
Concen: 0.258 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

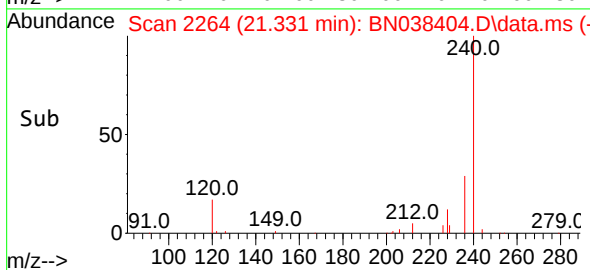
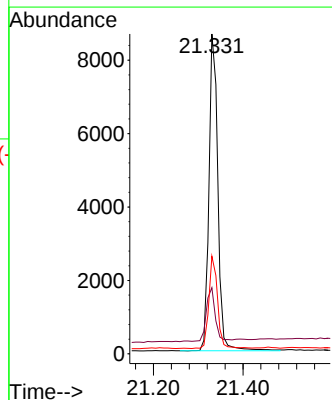
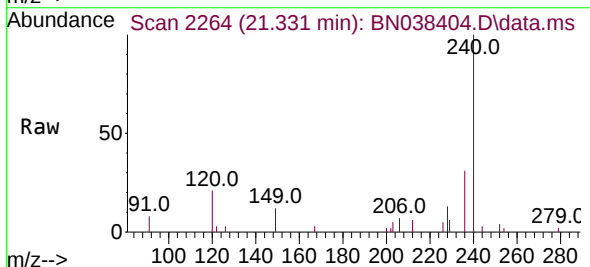
Instrument :
BNA_N
ClientSampleId :
COAN1

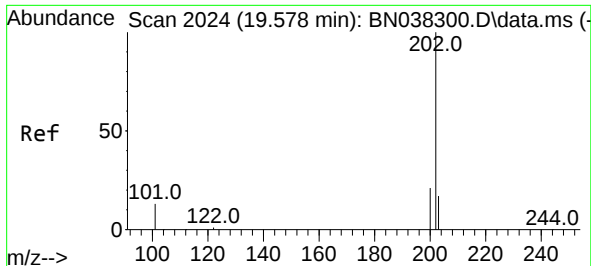
Tgt Ion:202 Resp: 12983
Ion Ratio Lower Upper
202 100
101 12.6 9.6 14.4
203 17.5 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Tgt Ion:240 Resp: 11961
Ion Ratio Lower Upper
240 100
120 20.7 15.4 23.2
236 30.5 23.9 35.9

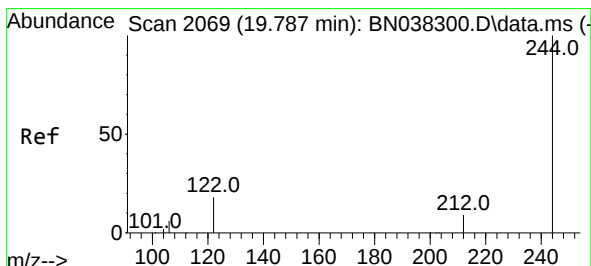
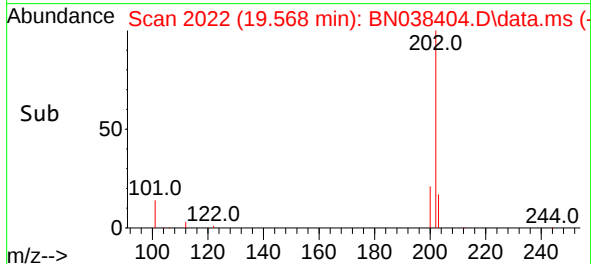
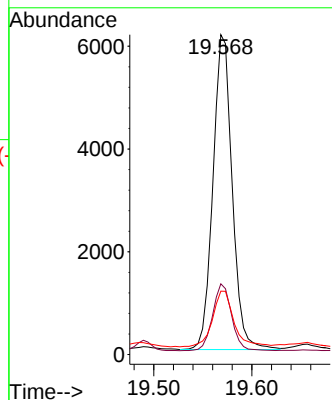
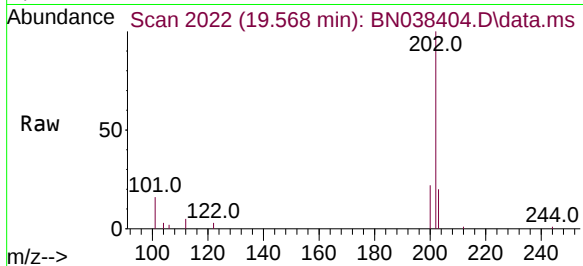




#30
 Pyrene
 Concen: 0.142 ng
 RT: 19.568 min Scan# 20
 Delta R.T. -0.014 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

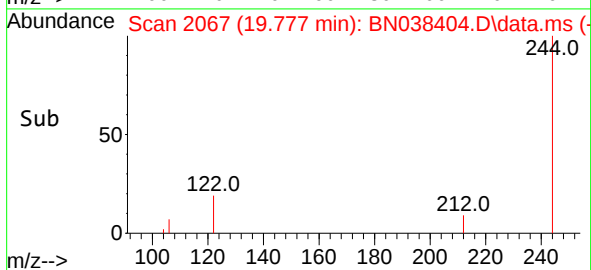
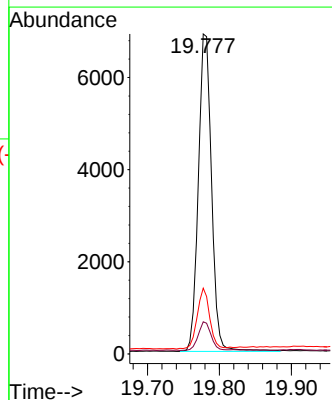
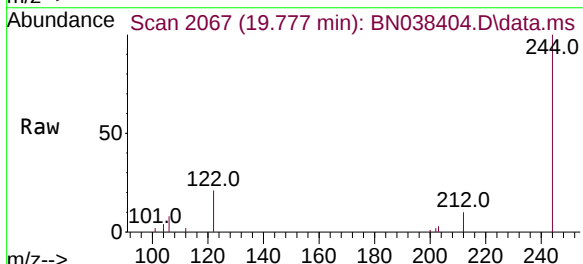
Instrument :
 BNA_N
 ClientSampleId :
 COAN1

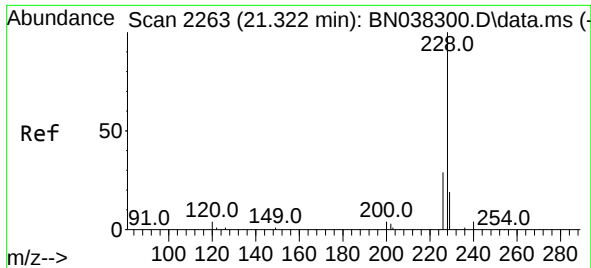
Tgt Ion:	202	Resp:	8336
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.9	25.3
203	19.8	14.2	21.2



#31
 Terphenyl-d14
 Concen: 0.328 ng
 RT: 19.777 min Scan# 2067
 Delta R.T. -0.014 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

Tgt Ion:	244	Resp:	8754
Ion Ratio	Lower	Upper	
244	100		
212	10.0	7.9	11.9
122	20.5	15.0	22.6

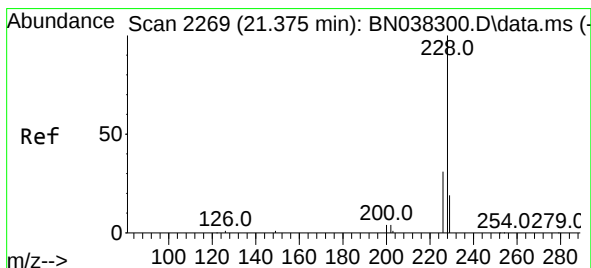
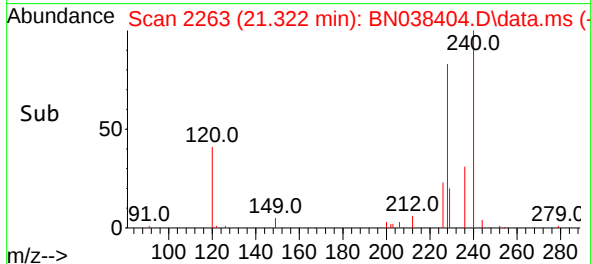
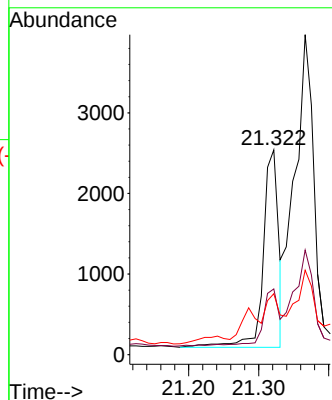
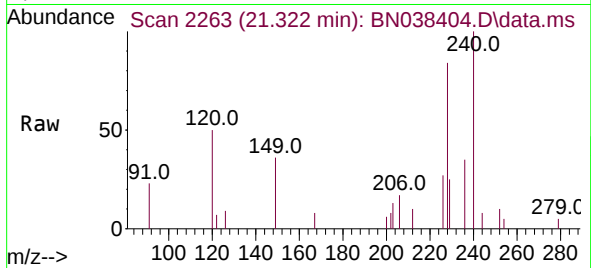




#32
Benzo(a)anthracene
Concen: 0.082 ng
RT: 21.322 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

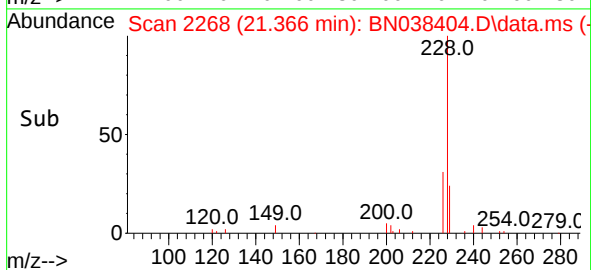
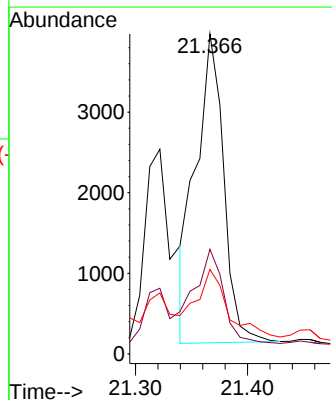
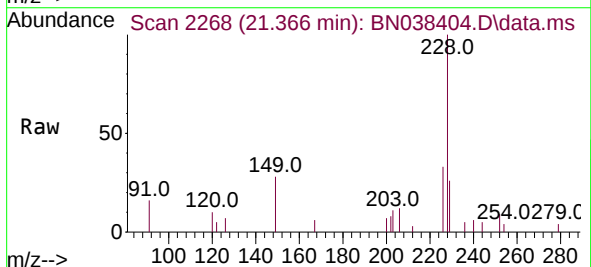
Instrument :
BNA_N
ClientSampleId :
COAN1

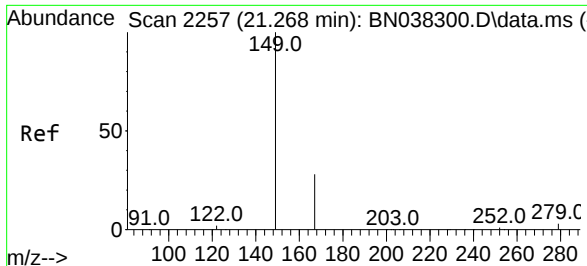
Tgt Ion:228 Resp: 3782
Ion Ratio Lower Upper
228 100
226 32.1 23.3 34.9
229 29.7 15.7 23.5#



#33
Chrysene
Concen: 0.130 ng
RT: 21.366 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Tgt Ion:228 Resp: 6631
Ion Ratio Lower Upper
228 100
226 32.7 25.0 37.4
229 26.4 15.5 23.3#

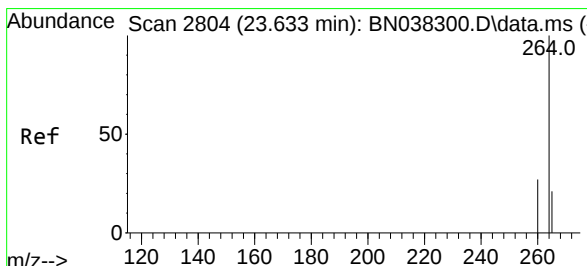
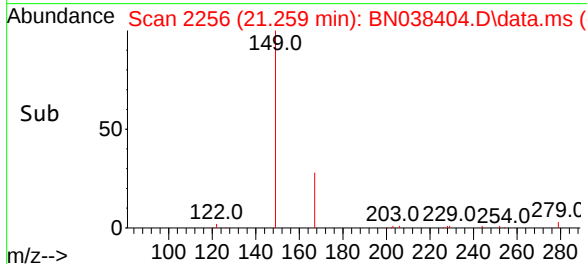
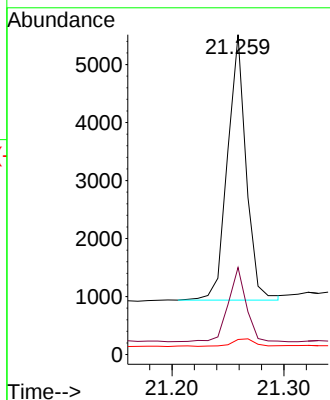
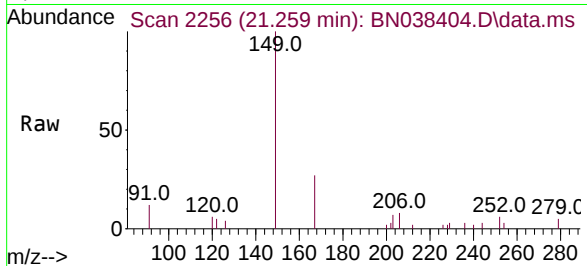




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.208 ng
 RT: 21.259 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

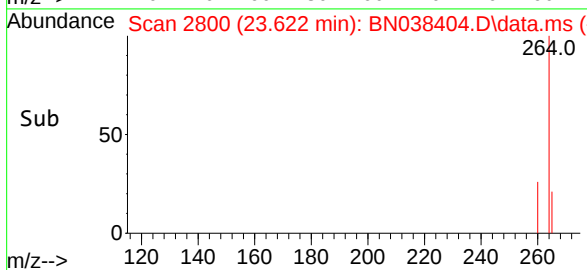
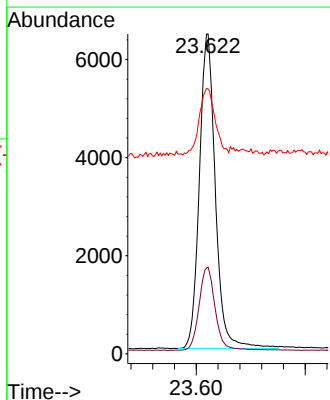
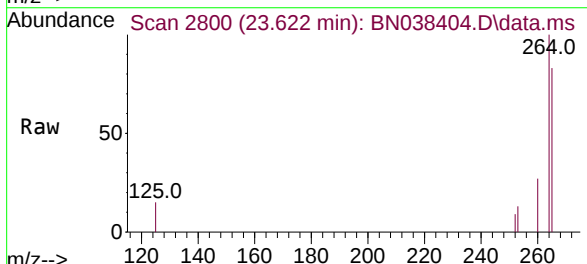
Instrument :
 BNA_N
 ClientSampleId :
 COAN1

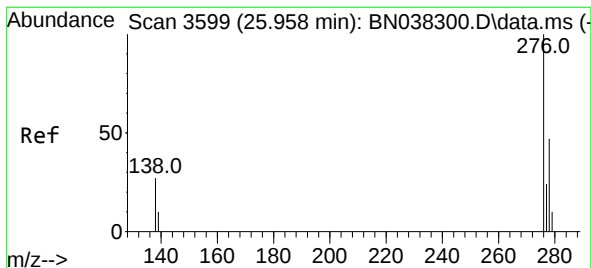
Tgt Ion:149 Resp: 5279
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.4 32.0
 279 3.4 2.4 3.6



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.622 min Scan# 2800
 Delta R.T. -0.012 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

Tgt Ion:264 Resp: 13068
 Ion Ratio Lower Upper
 264 100
 260 27.1 22.2 33.2
 265 82.8 80.2 120.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.022 ng

RT: 25.937 min Scan# 3599

Delta R.T. -0.026 min

Lab File: BN038404.D

Acq: 15 Dec 2025 14:44

Instrument :

BNA_N

ClientSampleId :

COAN1

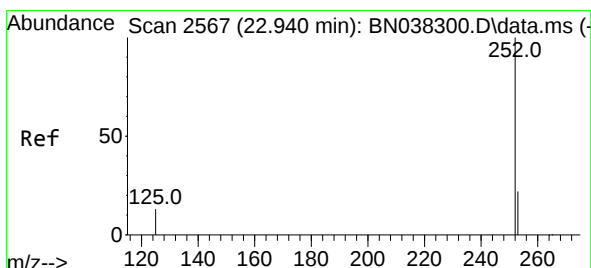
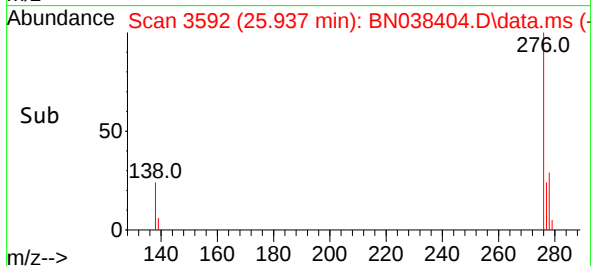
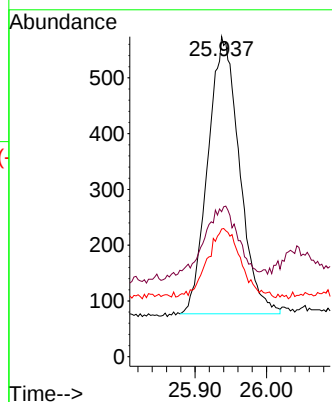
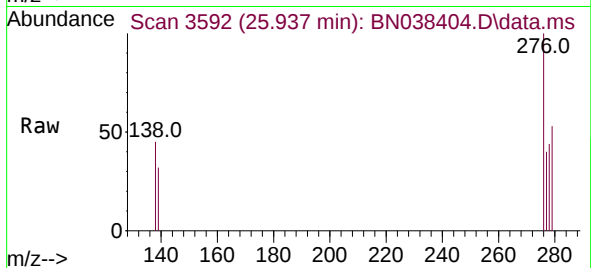
Tgt Ion:276 Resp: 1525

Ion Ratio Lower Upper

276 100

138 25.7 23.6 35.4

277 26.4 19.7 29.5



#37

Benzo(b)fluoranthene

Concen: 0.158 ng

RT: 22.932 min Scan# 2564

Delta R.T. -0.015 min

Lab File: BN038404.D

Acq: 15 Dec 2025 14:44

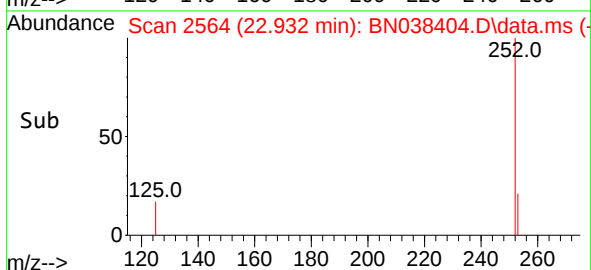
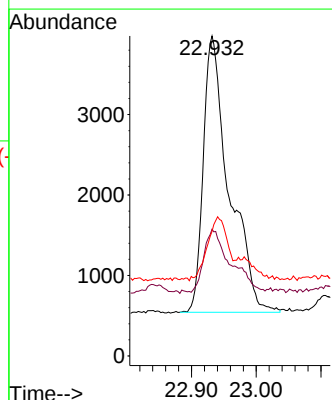
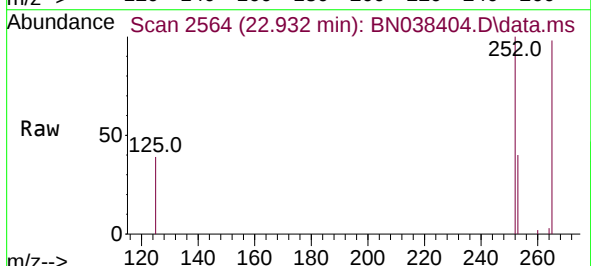
Tgt Ion:252 Resp: 9510

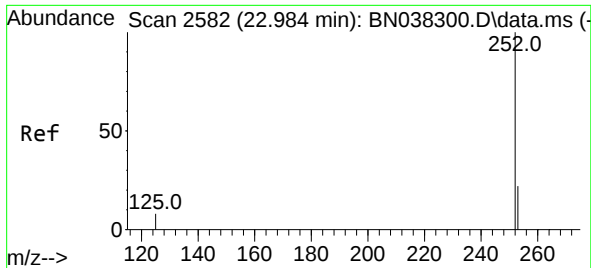
Ion Ratio Lower Upper

252 100

253 39.6 21.1 31.7#

125 38.9 16.4 24.6#

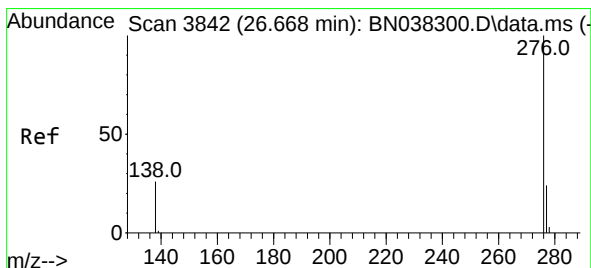
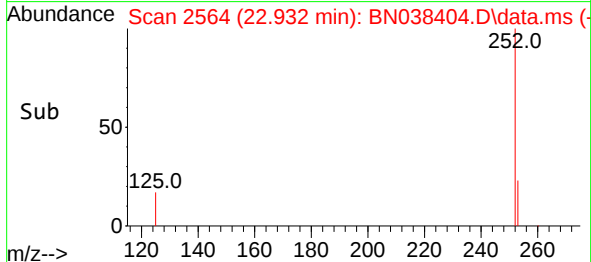
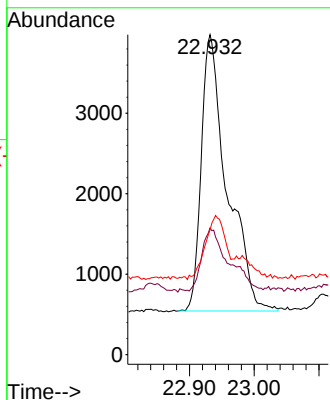
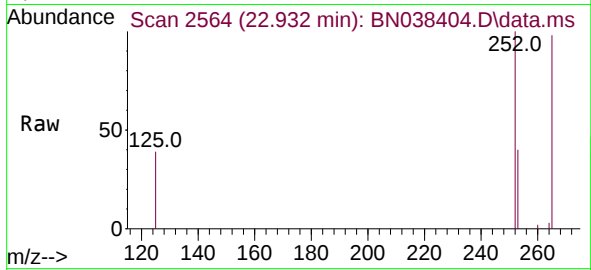




#38
Benzo(k)fluoranthene
Concen: 0.159 ng
RT: 22.932 min Scan# 21
Delta R.T. -0.058 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Instrument :
BNA_N
ClientSampleId :
COAN1

Tgt Ion:252 Resp: 9510
Ion Ratio Lower Upper
252 100
253 39.6 21.4 32.0#
125 38.9 16.2 24.2#



#41
Benzo(g,h,i)perylene
Concen: 0.027 ng
RT: 26.645 min Scan# 3834
Delta R.T. -0.032 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Tgt Ion:276 Resp: 1635
Ion Ratio Lower Upper
276 100
277 38.0 20.0 30.0#
138 45.4 21.8 32.6#

