

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038372.D
 Acq On : 13 Dec 2025 04:53
 Operator : RC/JU
 Sample : Q3839-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS1

Quant Time: Dec 13 06:07:37 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)

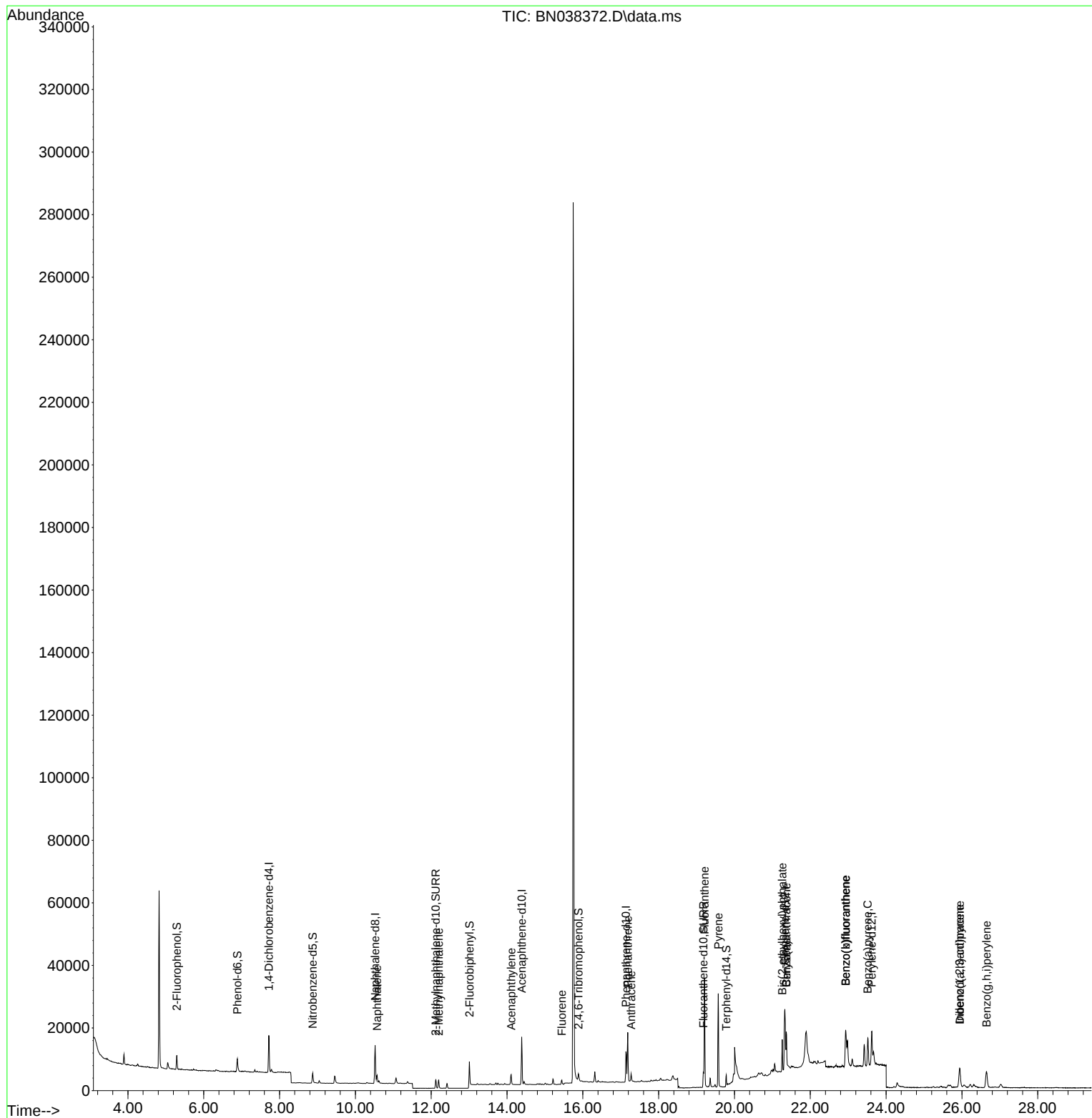
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5958	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	16127	0.400	ng	#-0.01
13) Acenaphthene-d10	14.387	164	8415	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	14866	0.400	ng	#-0.01
29) Chrysene-d12	21.330	240	12842	0.400	ng	# 0.00
35) Perylene-d12	23.621	264	14279	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	3677	0.248	ng	0.00
5) Phenol-d6	6.886	99	4175	0.237	ng	0.00
8) Nitrobenzene-d5	8.875	82	2853	0.210	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	3835	0.169	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	1105	0.296	ng	-0.01
15) 2-Fluorobiphenyl	13.008	172	7656	0.189	ng	0.00
27) Fluoranthene-d10	19.178	212	5252	0.143	ng	0.00
31) Terphenyl-d14	19.782	244	3602	0.126	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.573	128	3365	0.071	ng	# 93
12) 2-Methylnaphthalene	12.197	142	1985	0.066	ng	95
16) Acenaphthylene	14.109	152	3892	0.094	ng	98
18) Fluorene	15.446	166	950	0.026	ng	# 98
25) Phenanthrene	17.186	178	16701	0.323	ng	99
26) Anthracene	17.272	178	3091	0.069	ng	96
28) Fluoranthene	19.211	202	30126	0.548	ng	99
30) Pyrene	19.573	202	25342	0.401	ng	100
32) Benzo(a)anthracene	21.366	228	11954	0.241	ng	94
33) Chrysene	21.366	228	11958	0.219	ng	96
34) Bis(2-ethylhexyl)phtha...	21.259	149	8428	0.310	ng	98
36) Indeno(1,2,3-cd)pyrene	25.940	276	10630	0.140	ng	93
37) Benzo(b)fluoranthene	22.931	252	19325	0.295	ng	# 87
38) Benzo(k)fluoranthene	22.931	252	19325	0.296	ng	# 87
39) Benzo(a)pyrene	23.516	252	13042	0.243	ng	93
40) Dibenzo(a,h)anthracene	25.946	278	2393	0.041	ng	# 47
41) Benzo(g,h,i)perylene	26.647	276	10824	0.166	ng	97

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

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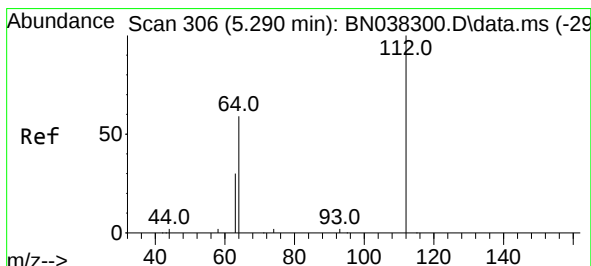
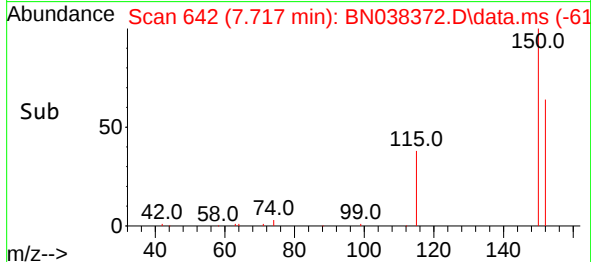
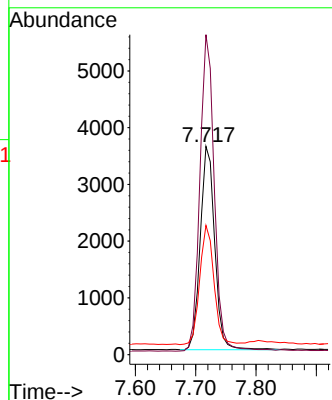
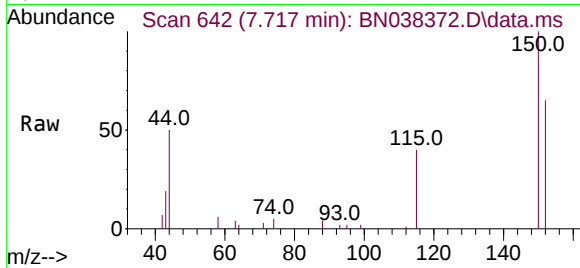




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN038372.D
 Acq: 13 Dec 2025 04:53

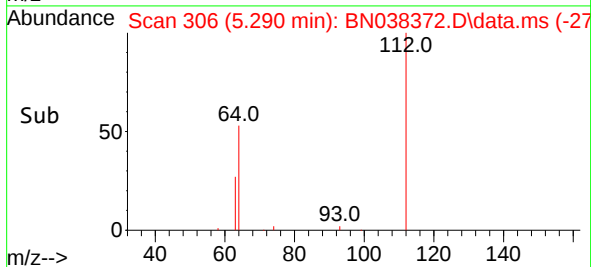
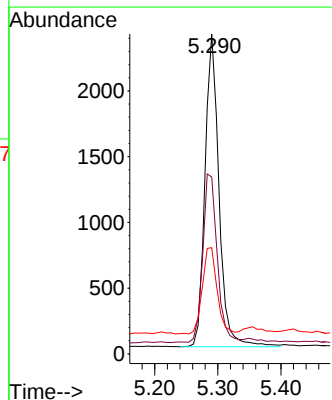
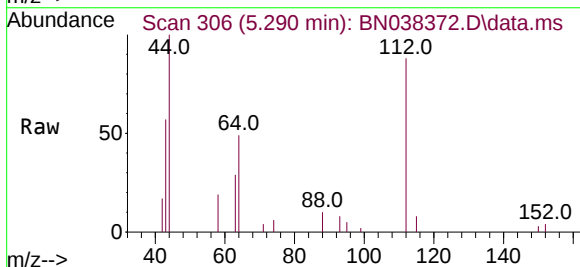
Instrument :
 BNA_N
 ClientSampleId :
 C0AS1

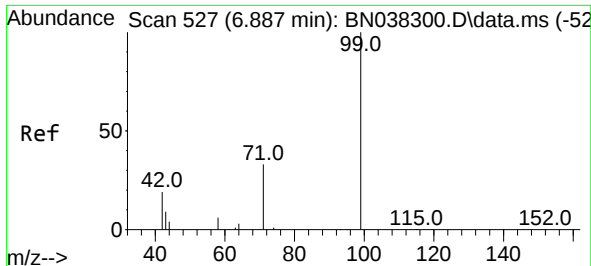
Tgt Ion:152 Resp: 5958
 Ion Ratio Lower Upper
 152 100
 150 153.6 122.4 183.6
 115 62.1 47.3 70.9



#4
 2-Fluorophenol
 Concen: 0.248 ng
 RT: 5.290 min Scan# 306
 Delta R.T. -0.000 min
 Lab File: BN038372.D
 Acq: 13 Dec 2025 04:53

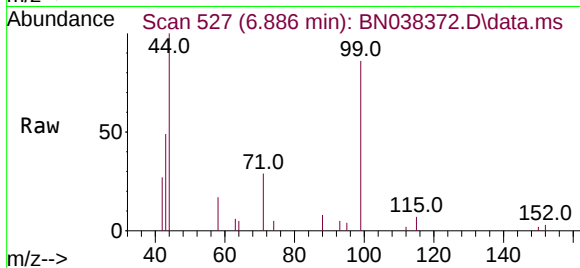
Tgt Ion:112 Resp: 3677
 Ion Ratio Lower Upper
 112 100
 64 55.6 44.4 66.6
 63 28.5 23.4 35.0



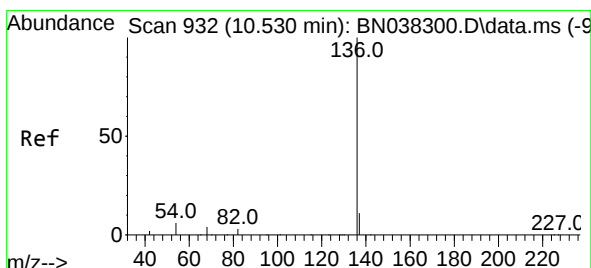
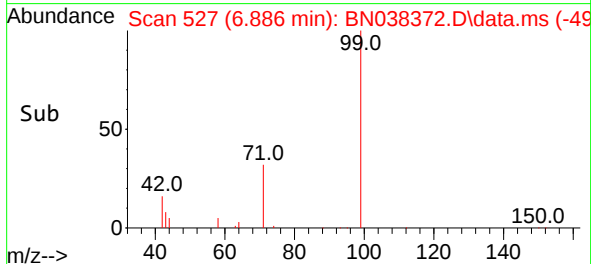
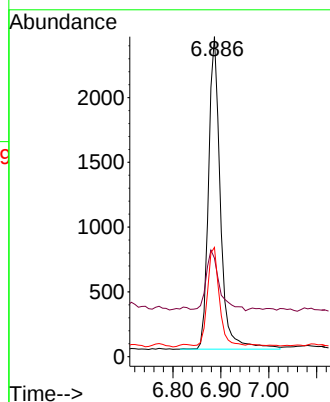


#5
Phenol-d6
Concen: 0.237 ng
RT: 6.886 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

Instrument :
BNA_N
ClientSampleId :
C0AS1

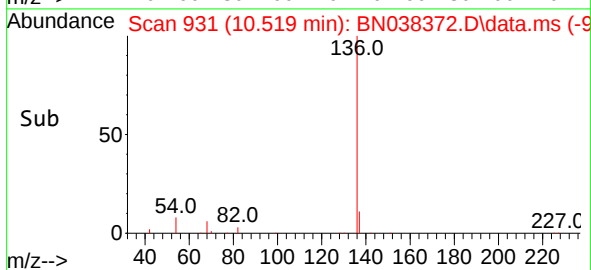
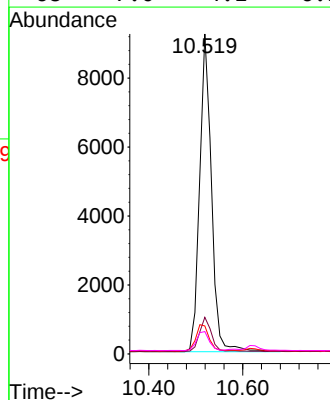
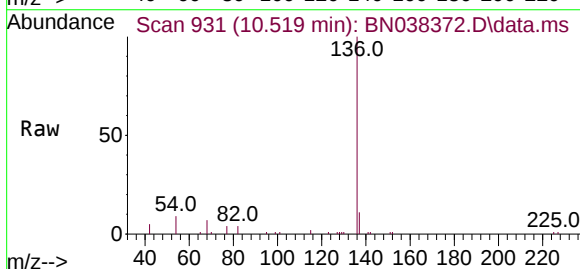


Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.7	16.5	24.7
71	30.8	24.9	37.3



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	8.7	5.2	7.8#
68	7.0	4.1	6.1#

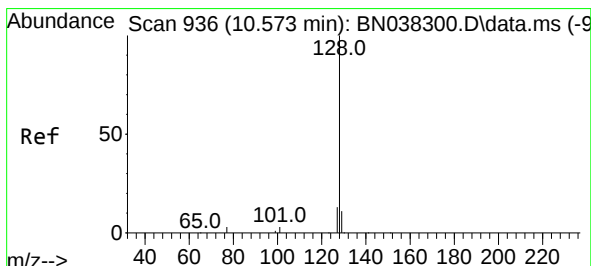
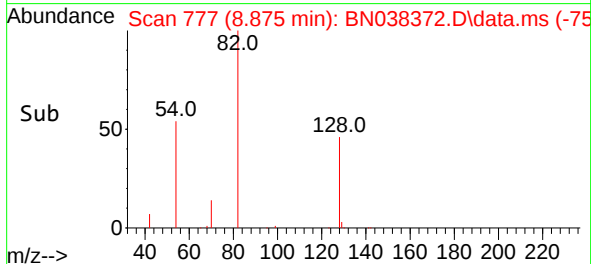
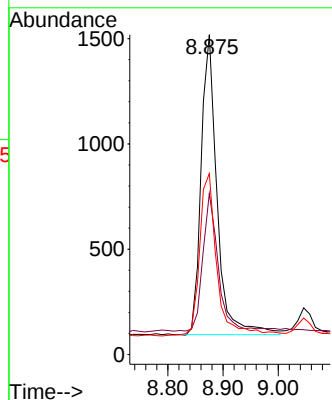
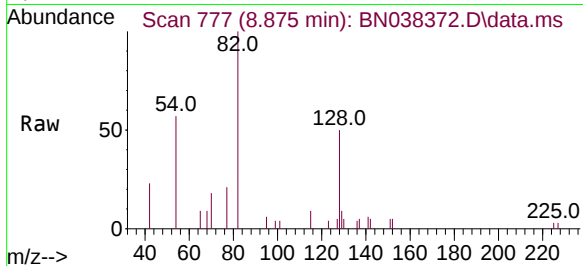




#8
Nitrobenzene-d5
Concen: 0.210 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

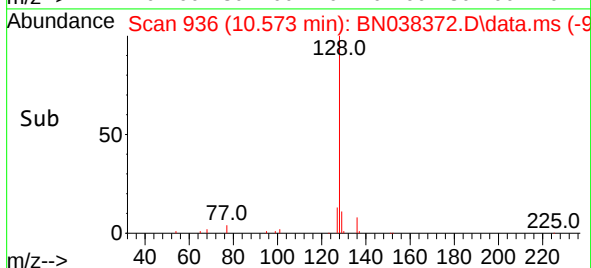
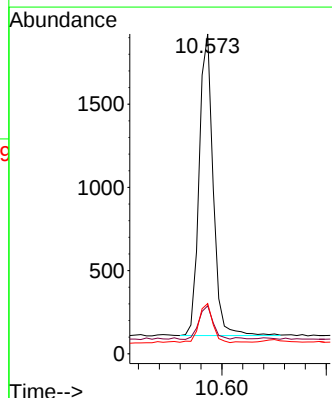
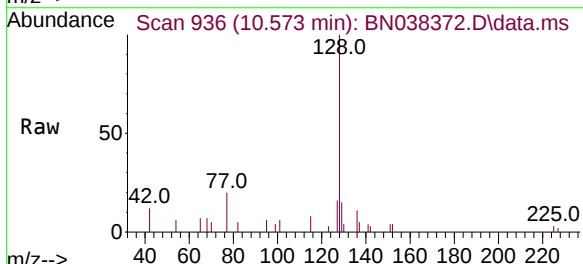
Instrument :
BNA_N
ClientSampleId :
C0AS1

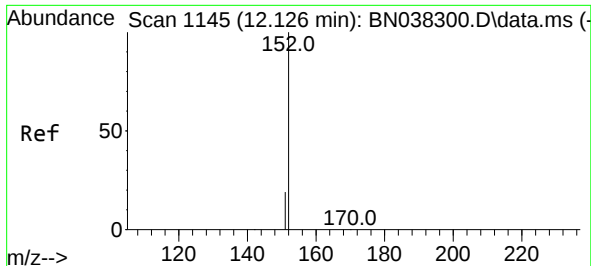
Tgt Ion: 82 Resp: 2853
Ion Ratio Lower Upper
82 100
128 50.4 34.0 51.0
54 56.6 44.4 66.6



#9
Naphthalene
Concen: 0.071 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

Tgt Ion: 128 Resp: 3365
Ion Ratio Lower Upper
128 100
129 15.0 9.1 13.7#
127 15.7 10.9 16.3

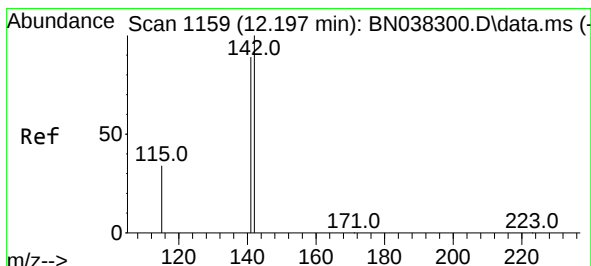
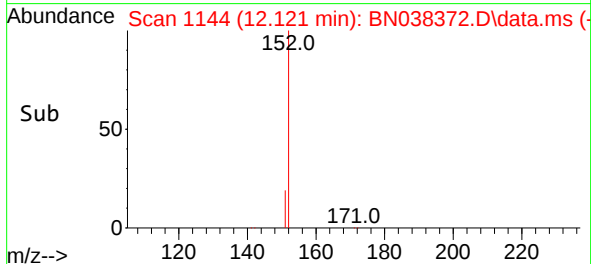
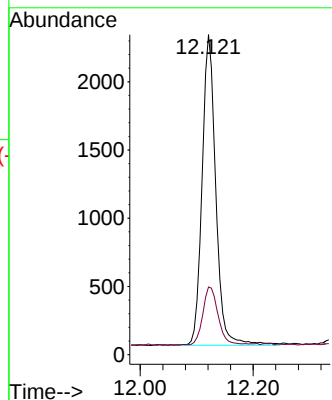
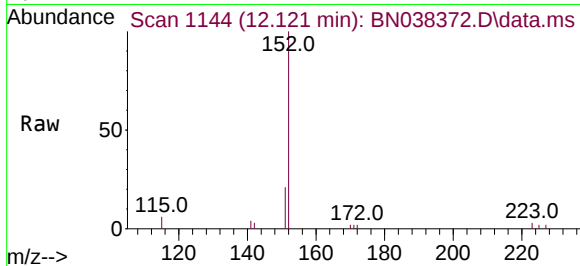




#11
2-Methylnaphthalene-d10
Concen: 0.169 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

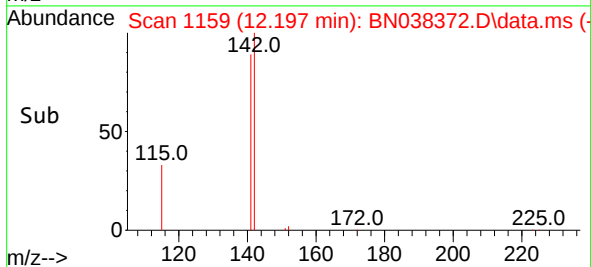
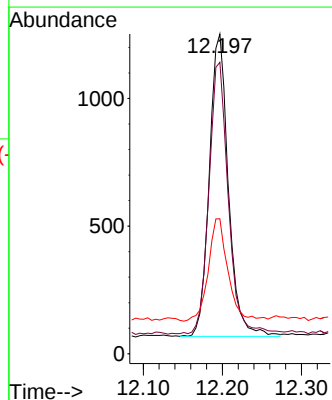
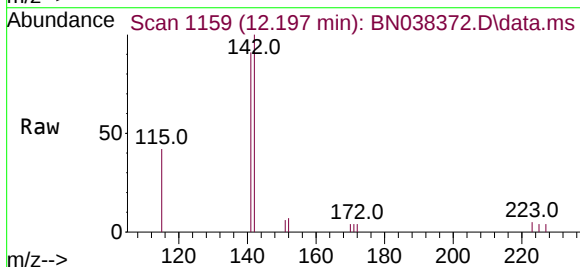
Instrument :
BNA_N
ClientSampleId :
C0AS1

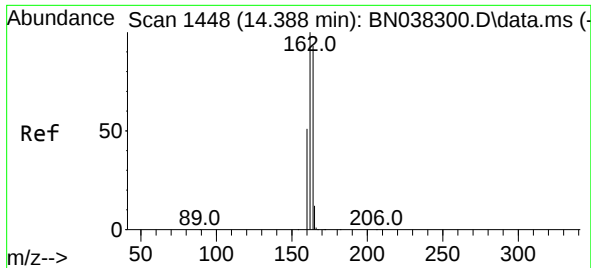
Tgt Ion:152 Resp: 3835
Ion Ratio Lower Upper
152 100
151 20.7 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.066 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

Tgt Ion:142 Resp: 1985
Ion Ratio Lower Upper
142 100
141 91.1 71.4 107.2
115 42.2 28.4 42.6

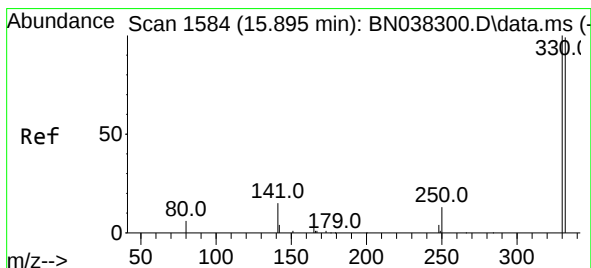
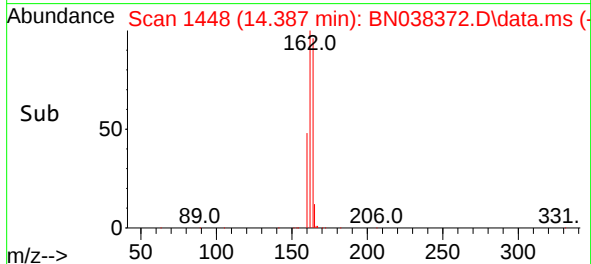
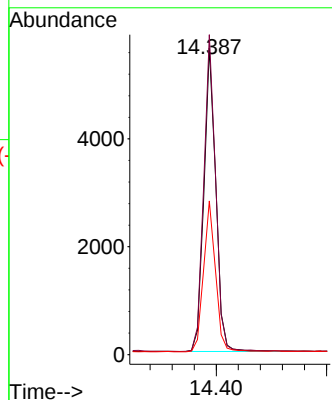
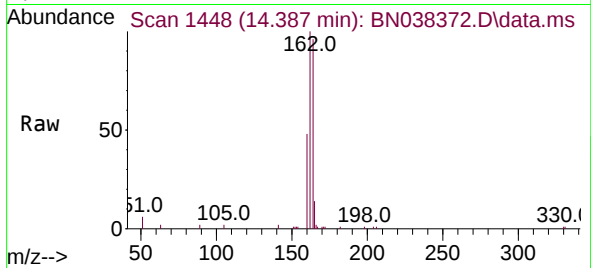




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

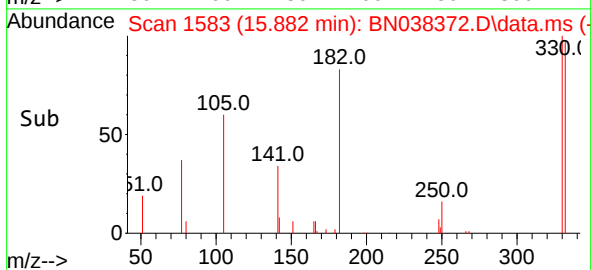
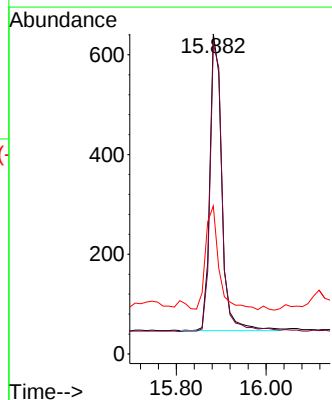
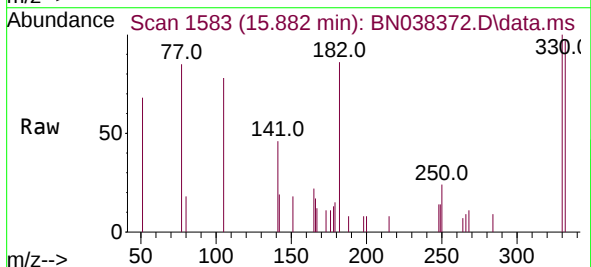
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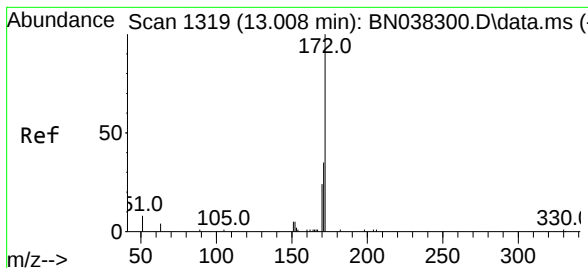
Tgt Ion:164 Resp: 8415
Ion Ratio Lower Upper
164 100
162 104.3 86.2 129.4
160 50.1 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.296 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.013 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

Tgt Ion:330 Resp: 1105
Ion Ratio Lower Upper
330 100
332 98.6 75.8 113.6
141 38.5 31.8 47.8

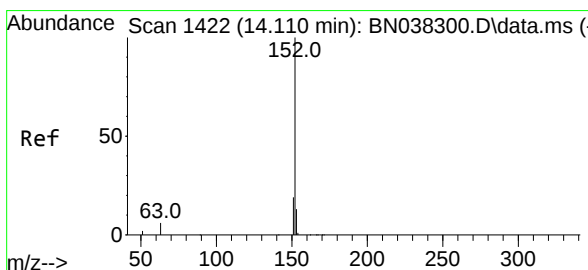
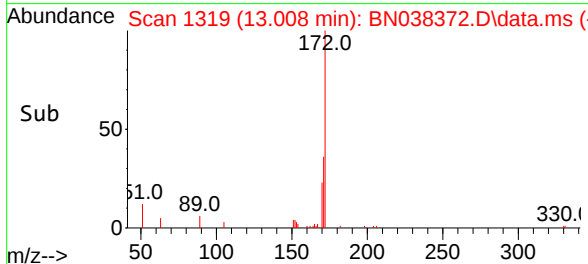
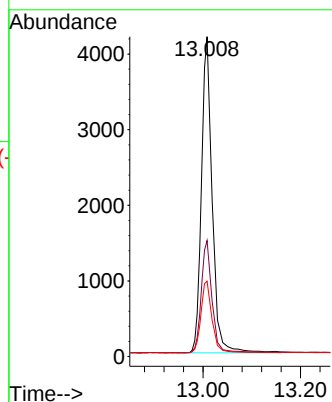
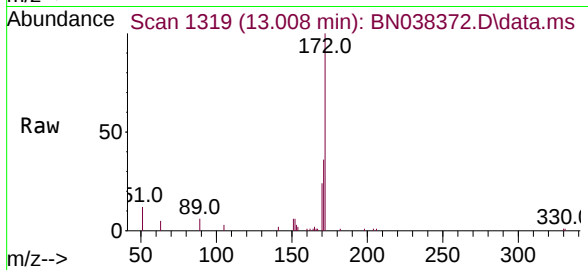




#15
2-Fluorobiphenyl
Concen: 0.189 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

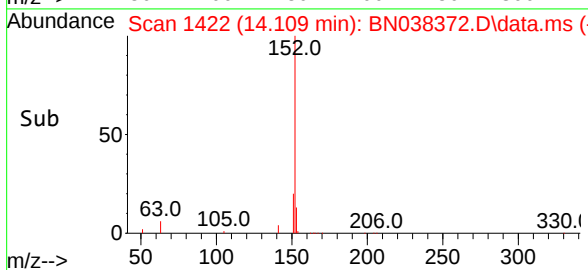
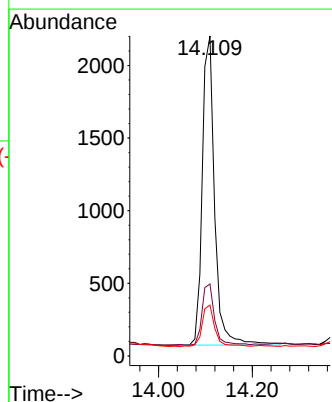
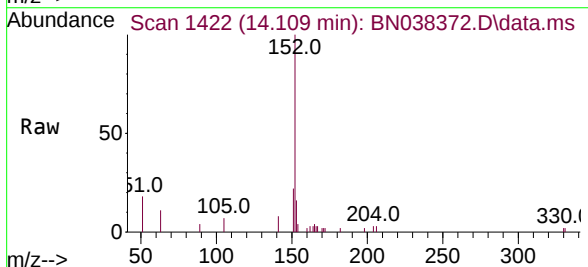
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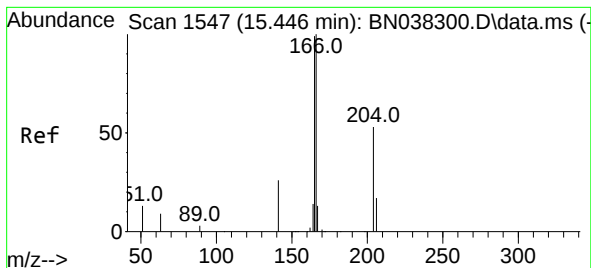
Tgt Ion:	172	Resp:	7656
Ion Ratio	Lower	Upper	
172	100		
171	36.3	28.6	42.8
170	23.6	19.3	28.9



#16
Acenaphthylene
Concen: 0.094 ng
RT: 14.109 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

Tgt Ion:	152	Resp:	3892
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.4	23.2
153	14.0	10.2	15.4





#18

Fluorene

Concen: 0.026 ng

RT: 15.446 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN038372.D

Acq: 13 Dec 2025 04:53

Instrument :

BNA_N

ClientSampleId :

C0AS1

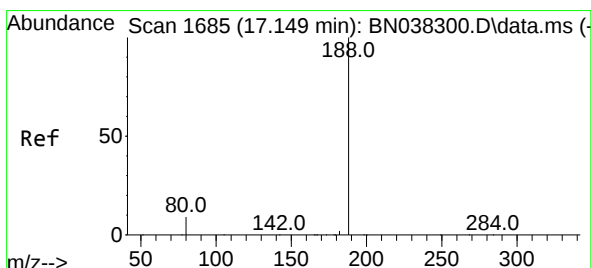
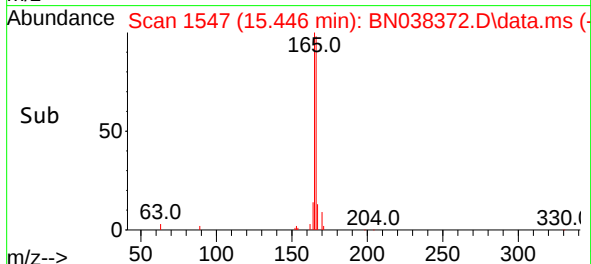
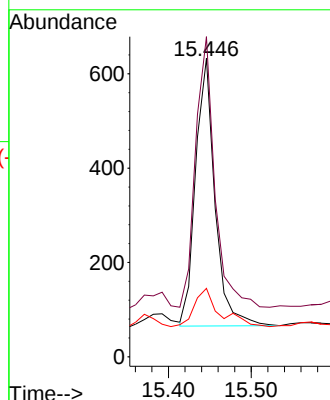
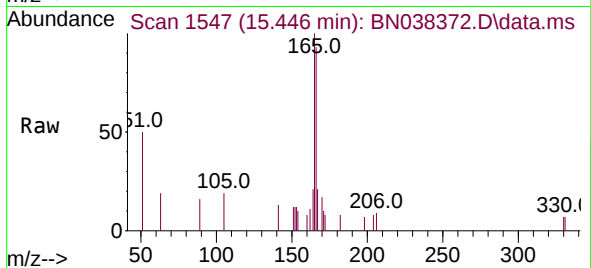
Tgt Ion:166 Resp: 950

Ion Ratio Lower Upper

166 100

165 99.9 80.2 120.4

167 18.1 10.6 16.0#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.136 min Scan# 1684

Delta R.T. -0.013 min

Lab File: BN038372.D

Acq: 13 Dec 2025 04:53

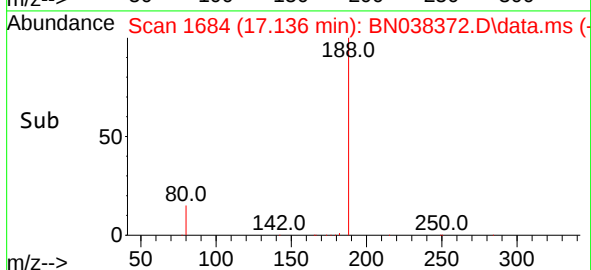
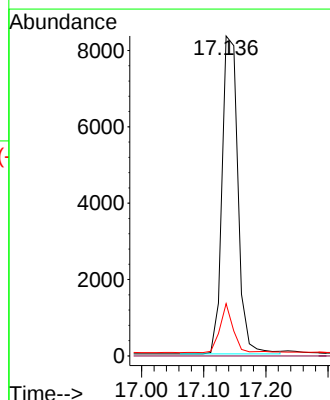
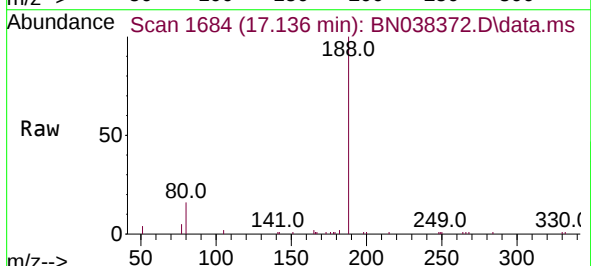
Tgt Ion:188 Resp: 14866

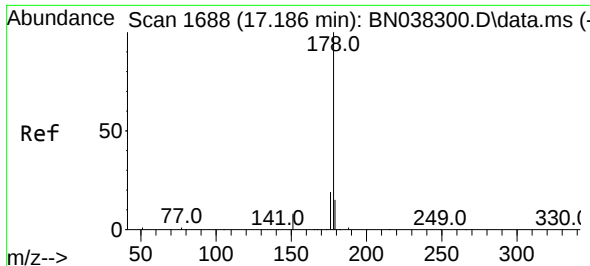
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.3 7.4 11.0#

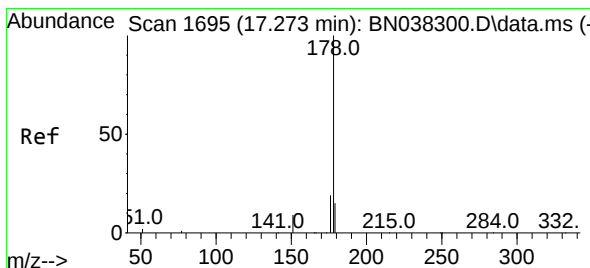
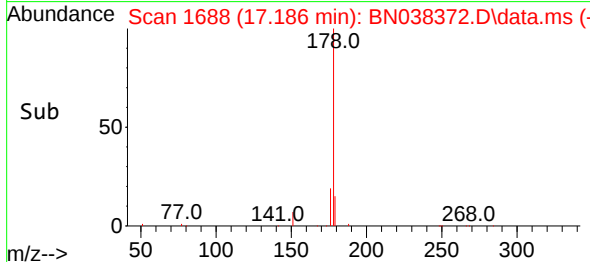
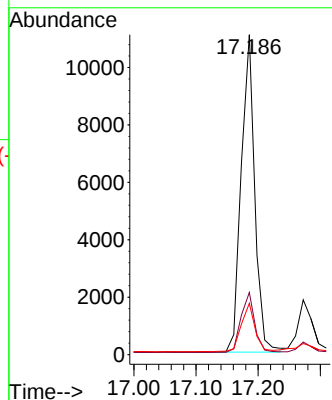
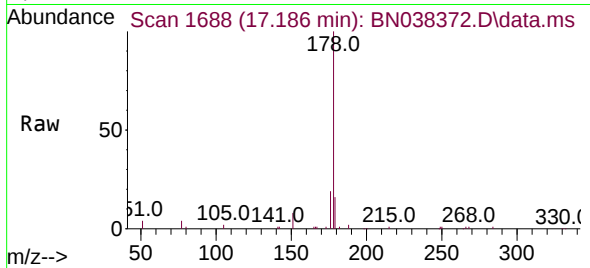




#25
Phenanthrene
Concen: 0.323 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

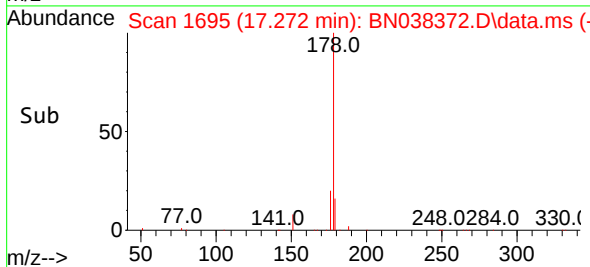
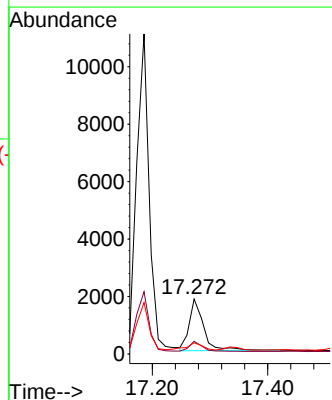
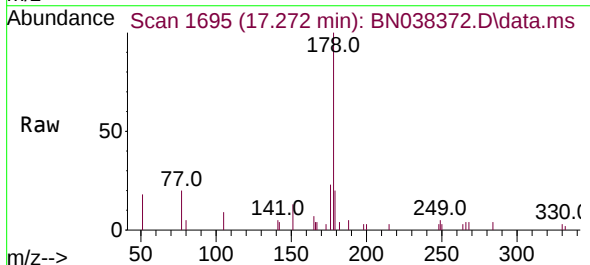
Instrument :
BNA_N
ClientSampleId :
C0AS1

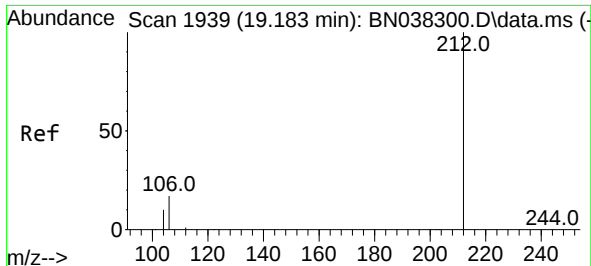
Tgt Ion:178 Resp: 16701
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.4 12.2 18.2



#26
Anthracene
Concen: 0.069 ng
RT: 17.272 min Scan# 1695
Delta R.T. -0.013 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

Tgt Ion:178 Resp: 3091
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 17.7 12.0 18.0

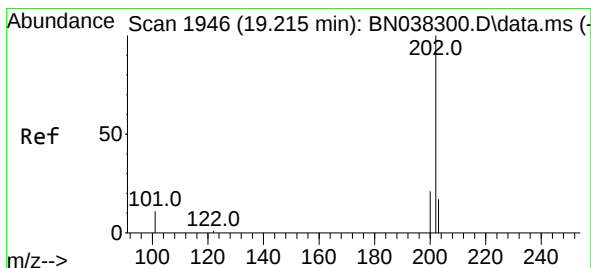
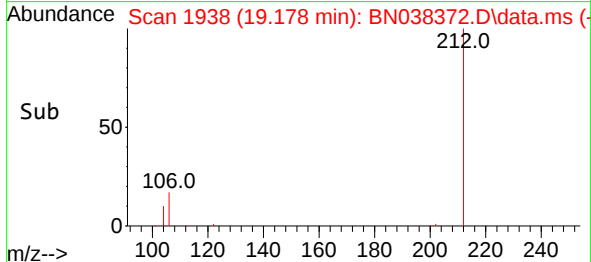
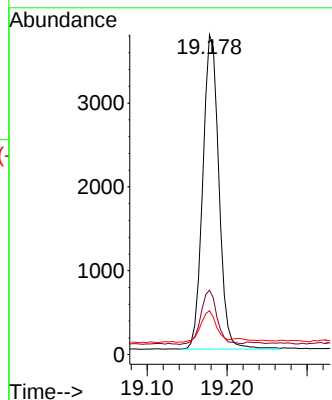
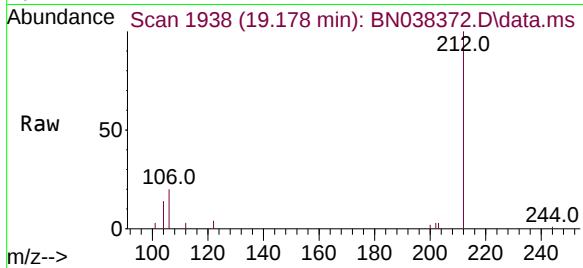




#27
Fluoranthene-d10
Concen: 0.143 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

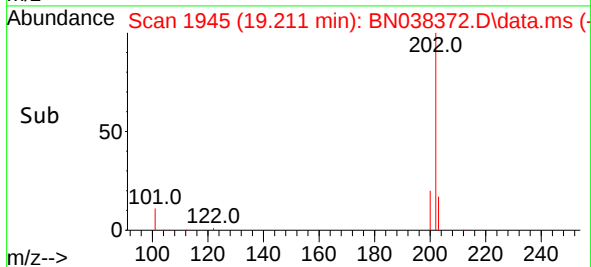
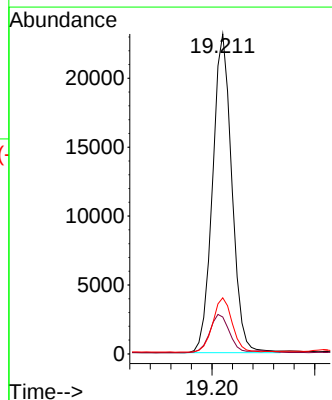
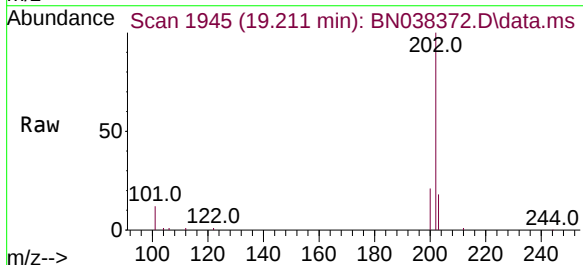
Instrument :
BNA_N
ClientSampleId :
C0AS1

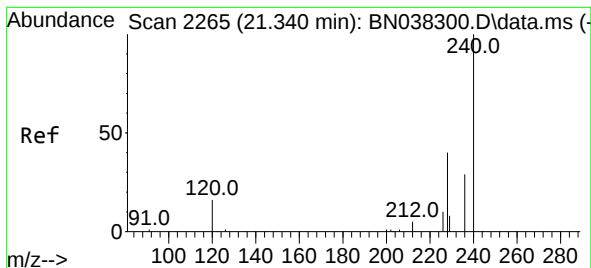
Tgt Ion:212 Resp: 5252
Ion Ratio Lower Upper
212 100
106 17.3 13.7 20.5
104 9.6 7.8 11.8



#28
Fluoranthene
Concen: 0.548 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

Tgt Ion:202 Resp: 30126
Ion Ratio Lower Upper
202 100
101 12.4 9.6 14.4
203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.330 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038372.D

Acq: 13 Dec 2025 04:53

Instrument :

BNA_N

ClientSampleId :

C0AS1

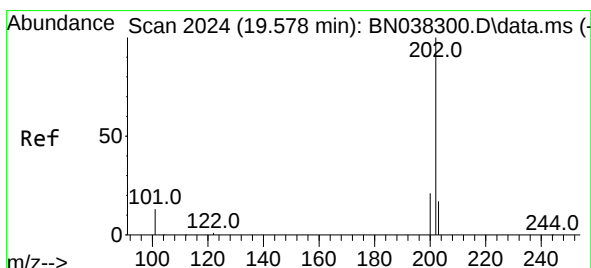
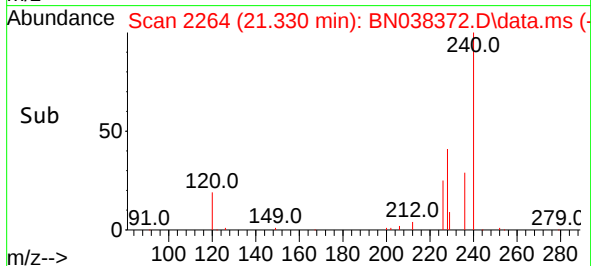
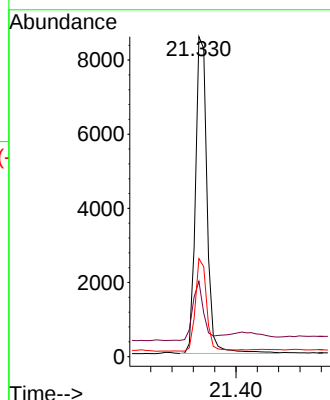
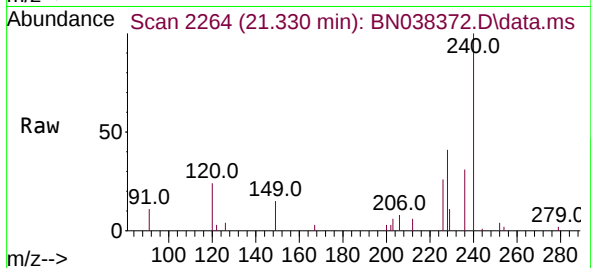
Tgt Ion:240 Resp: 12842

Ion Ratio Lower Upper

240 100

120 23.5 15.4 23.2#

236 30.6 23.9 35.9



#30

Pyrene

Concen: 0.401 ng

RT: 19.573 min Scan# 2023

Delta R.T. -0.009 min

Lab File: BN038372.D

Acq: 13 Dec 2025 04:53

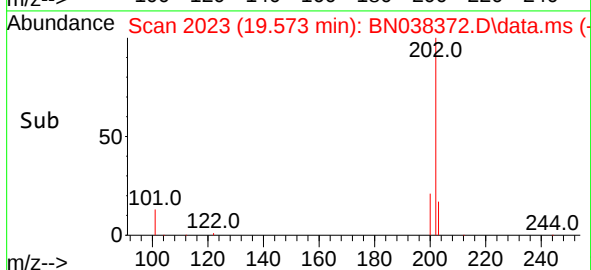
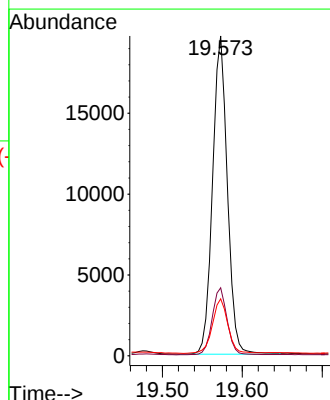
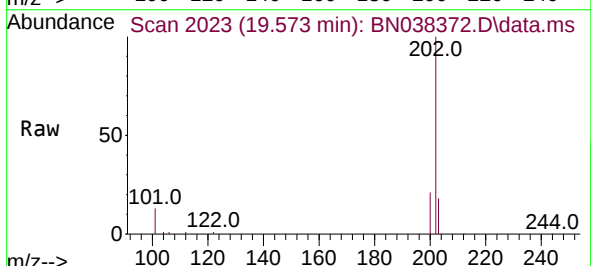
Tgt Ion:202 Resp: 25342

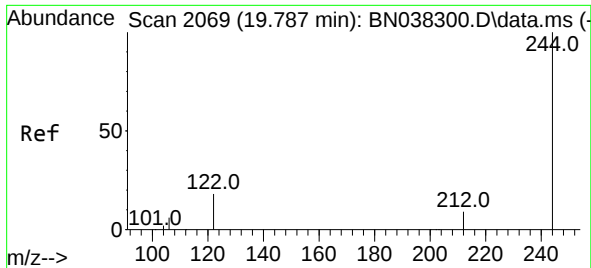
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 18.0 14.2 21.2

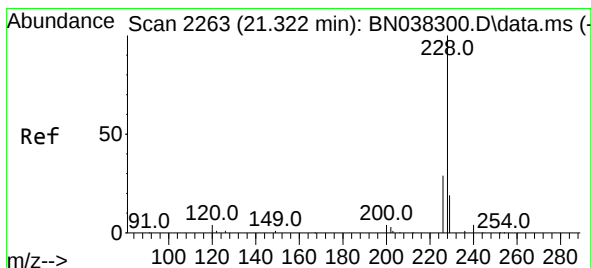
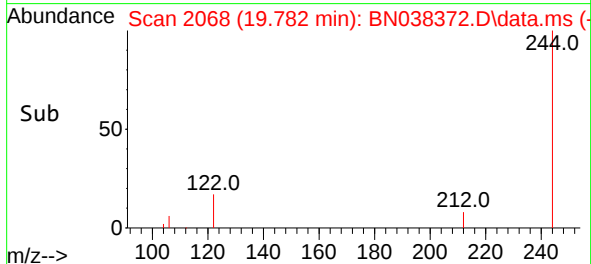
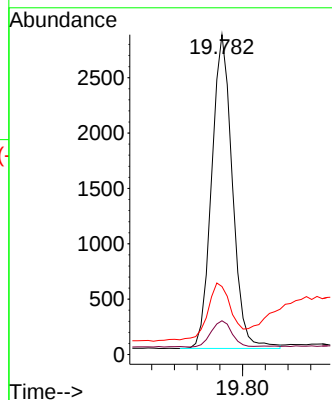
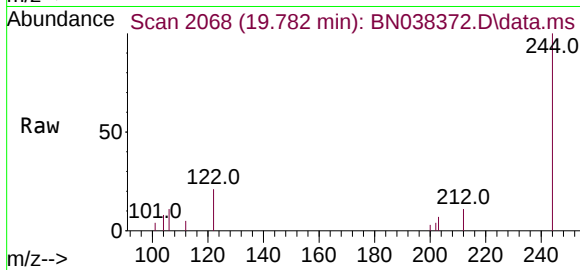




#31
 Terphenyl-d14
 Concen: 0.126 ng
 RT: 19.782 min Scan# 2069
 Delta R.T. -0.009 min
 Lab File: BN038372.D
 Acq: 13 Dec 2025 04:53

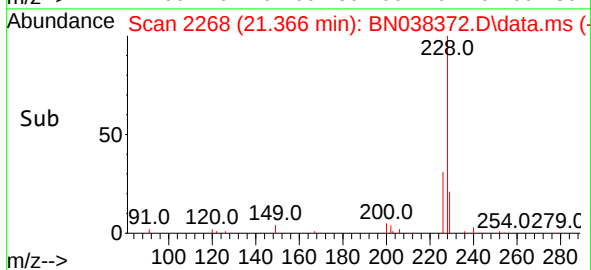
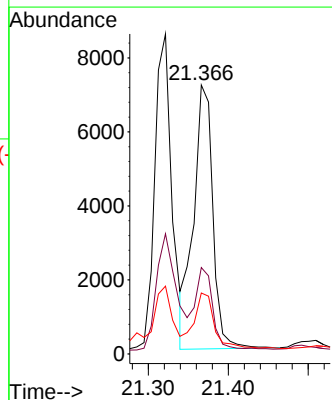
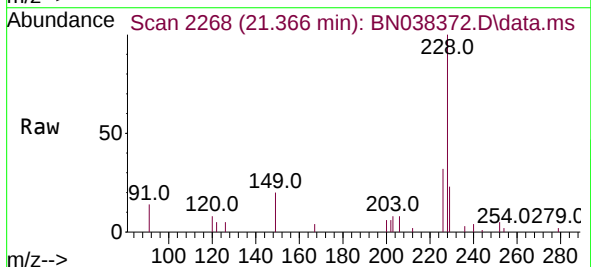
Instrument :
 BNA_N
 ClientSampleId :
 C0AS1

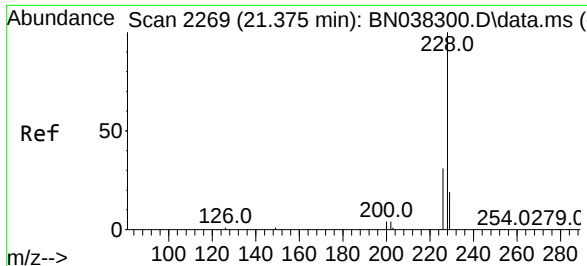
Tgt Ion:244 Resp: 3602
 Ion Ratio Lower Upper
 244 100
 212 10.6 7.9 11.9
 122 21.3 15.0 22.6



#32
 Benzo(a)anthracene
 Concen: 0.241 ng
 RT: 21.366 min Scan# 2268
 Delta R.T. 0.036 min
 Lab File: BN038372.D
 Acq: 13 Dec 2025 04:53

Tgt Ion:228 Resp: 11954
 Ion Ratio Lower Upper
 228 100
 226 32.1 23.3 34.9
 229 22.6 15.7 23.5





#33

Chrysene

Concen: 0.219 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038372.D

Acq: 13 Dec 2025 04:53

Instrument :

BNA_N

ClientSampleId :

C0AS1

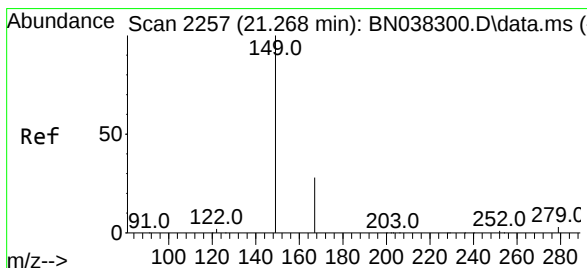
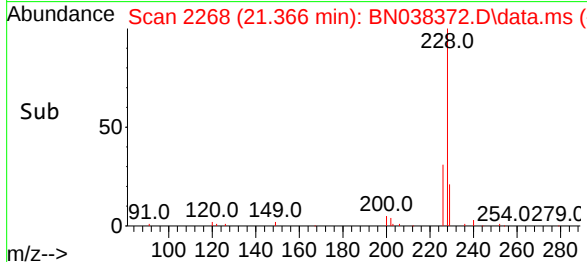
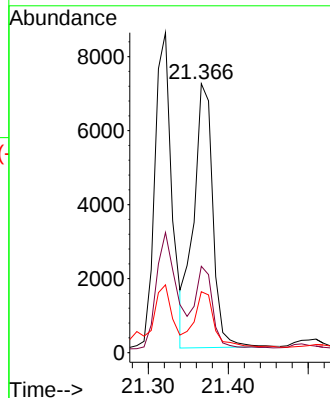
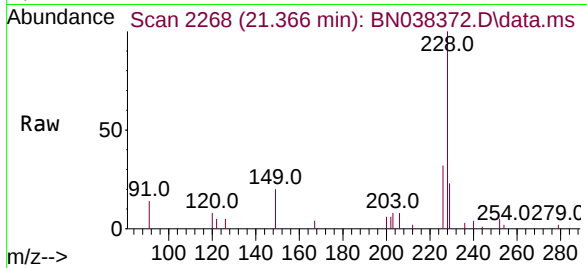
Tgt Ion:228 Resp: 11958

Ion Ratio Lower Upper

228 100

226 32.1 25.0 37.4

229 22.6 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.310 ng

RT: 21.259 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN038372.D

Acq: 13 Dec 2025 04:53

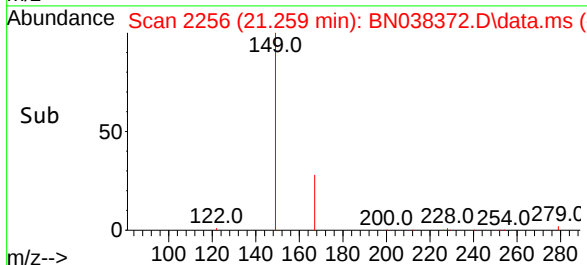
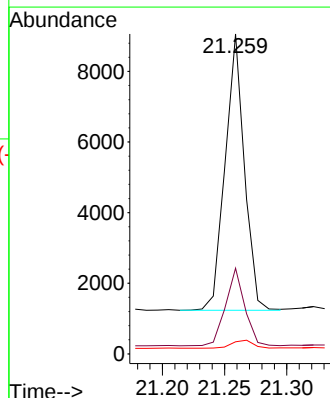
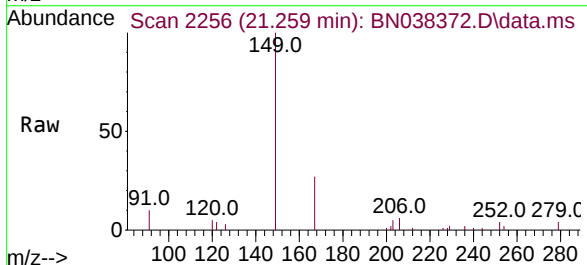
Tgt Ion:149 Resp: 8428

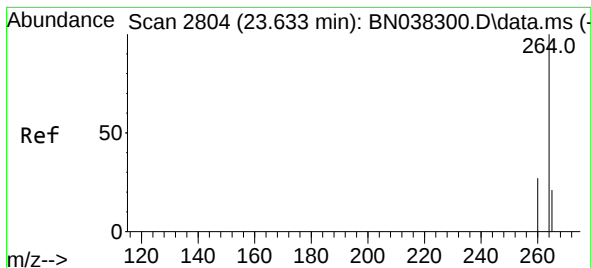
Ion Ratio Lower Upper

149 100

167 27.6 21.4 32.0

279 3.2 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.621 min Scan# 2800

Delta R.T. -0.012 min

Lab File: BN038372.D

Acq: 13 Dec 2025 04:53

Instrument :

BNA_N

ClientSampleId :

C0AS1

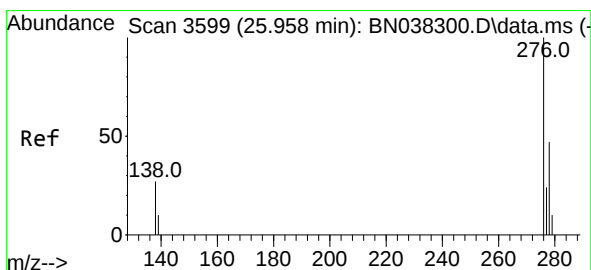
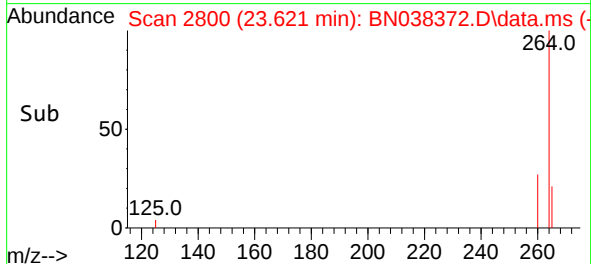
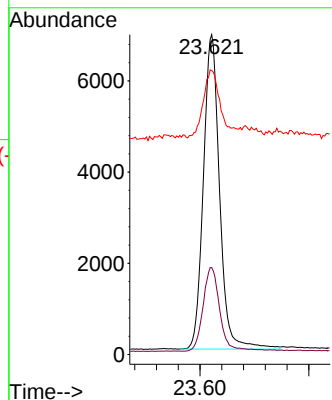
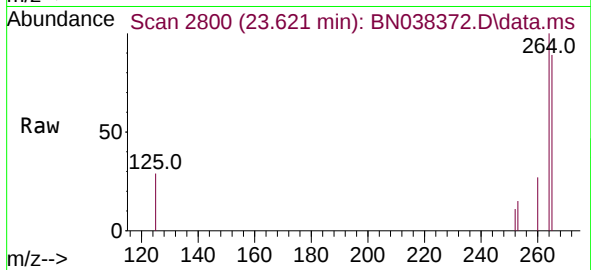
Tgt Ion:264 Resp: 14279

Ion Ratio Lower Upper

264 100

260 27.2 22.2 33.2

265 88.8 80.2 120.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.140 ng

RT: 25.940 min Scan# 3593

Delta R.T. -0.024 min

Lab File: BN038372.D

Acq: 13 Dec 2025 04:53

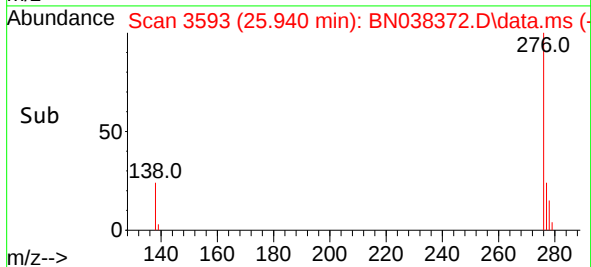
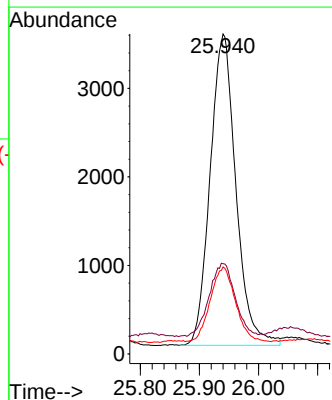
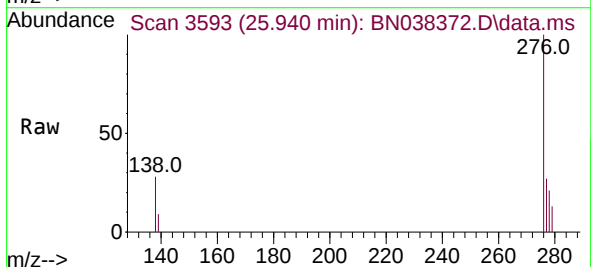
Tgt Ion:276 Resp: 10630

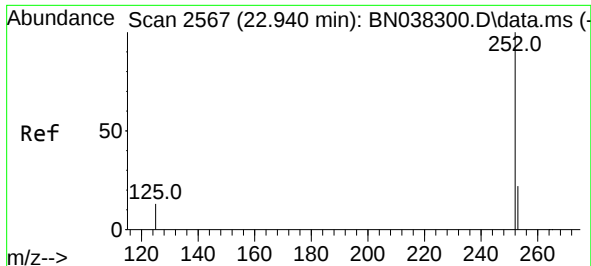
Ion Ratio Lower Upper

276 100

138 23.7 23.6 35.4

277 23.3 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.295 ng

RT: 22.931 min Scan# 2564

Delta R.T. -0.015 min

Lab File: BN038372.D

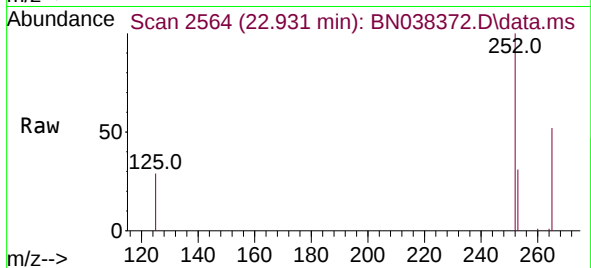
Acq: 13 Dec 2025 04:53

Instrument :

BN038372.D

ClientSampleId :

C0AS1



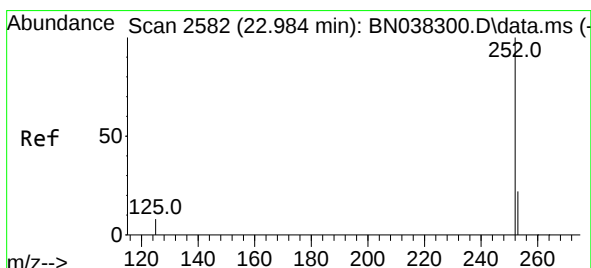
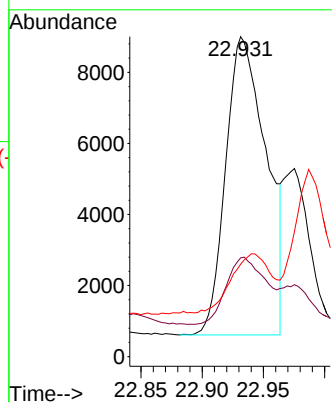
Tgt Ion:252 Resp: 19325

Ion Ratio Lower Upper

252 100

253 30.9 21.1 31.7

125 28.9 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 0.296 ng

RT: 22.931 min Scan# 2564

Delta R.T. -0.059 min

Lab File: BN038372.D

Acq: 13 Dec 2025 04:53

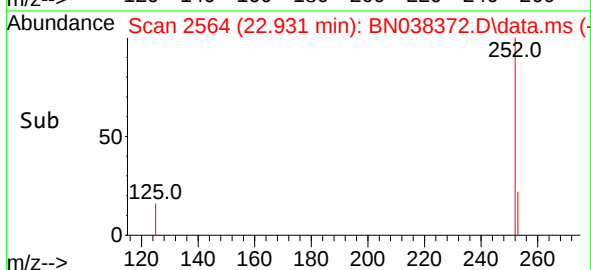
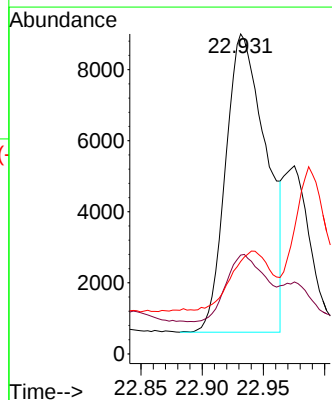
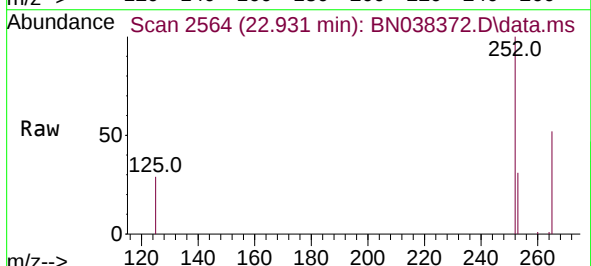
Tgt Ion:252 Resp: 19325

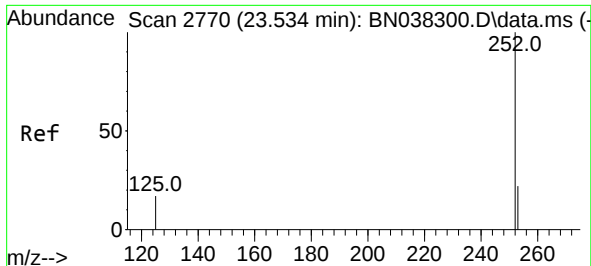
Ion Ratio Lower Upper

252 100

253 30.9 21.4 32.0

125 28.9 16.2 24.2#

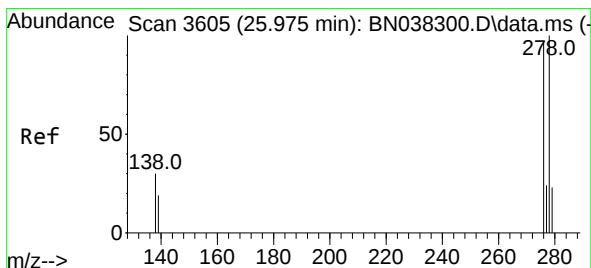
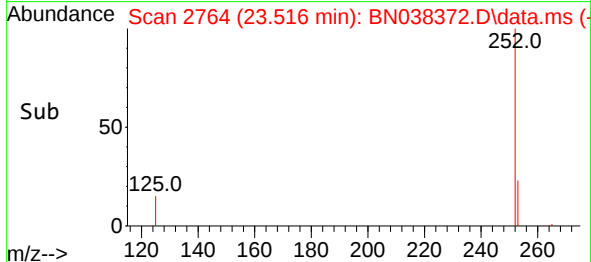
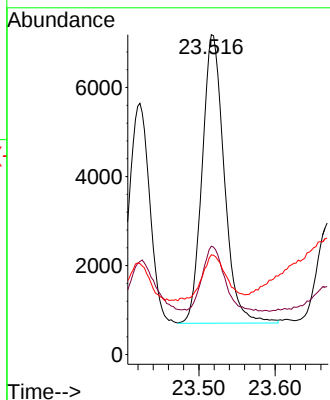
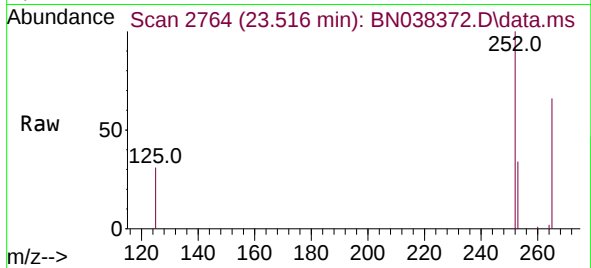




#39
Benzo(a)pyrene
Concen: 0.243 ng
RT: 23.516 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

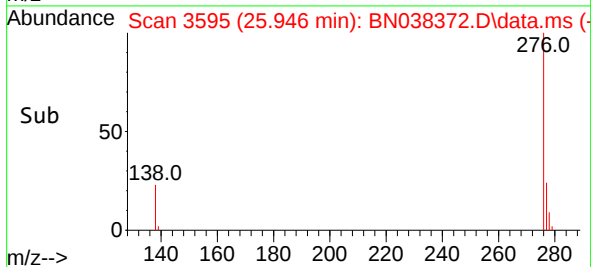
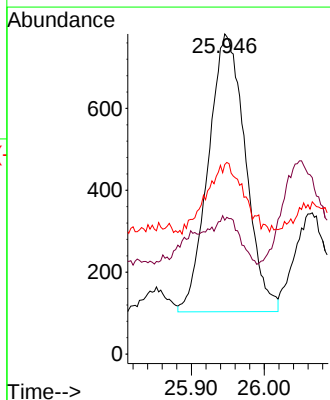
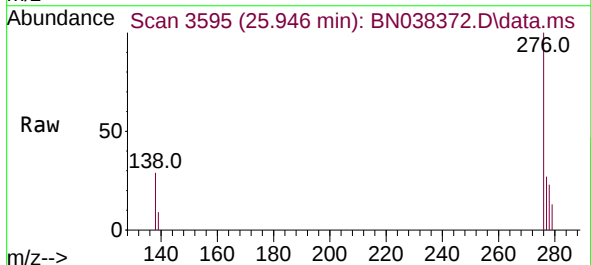
Instrument :
BNA_N
ClientSampleId :
C0AS1

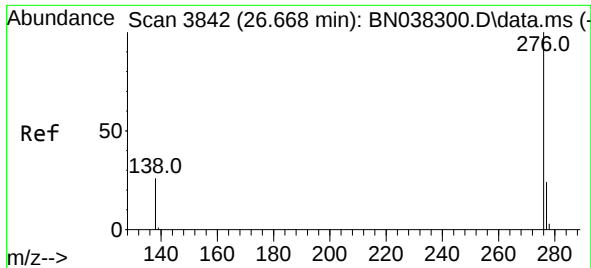
Tgt Ion:252 Resp: 13042
Ion Ratio Lower Upper
252 100
253 33.9 23.3 34.9
125 31.2 22.4 33.6



#40
Dibenzo(a,h)anthracene
Concen: 0.041 ng
RT: 25.946 min Scan# 3595
Delta R.T. -0.035 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

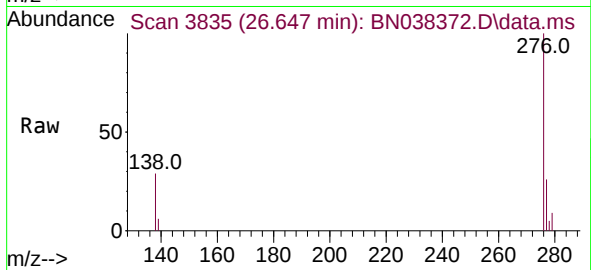
Tgt Ion:278 Resp: 2393
Ion Ratio Lower Upper
278 100
139 41.8 17.8 26.8#
279 59.2 21.3 31.9#





#41
Benzo(g,h,i)perylene
Concen: 0.166 ng
RT: 26.647 min Scan# 3842
Delta R.T. -0.029 min
Lab File: BN038372.D
Acq: 13 Dec 2025 04:53

Instrument :
BNA_N
ClientSampleId :
C0AS1



Tgt Ion: 276 Resp: 10824
Ion Ratio Lower Upper
276 100
277 26.2 20.0 30.0
138 29.3 21.8 32.6

