

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121625\
 Data File : BN038465.D
 Acq On : 17 Dec 2025 05:36
 Operator : RC/JU
 Sample : Q3882-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 COAW8

Quant Time: Dec 17 06:44:13 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)

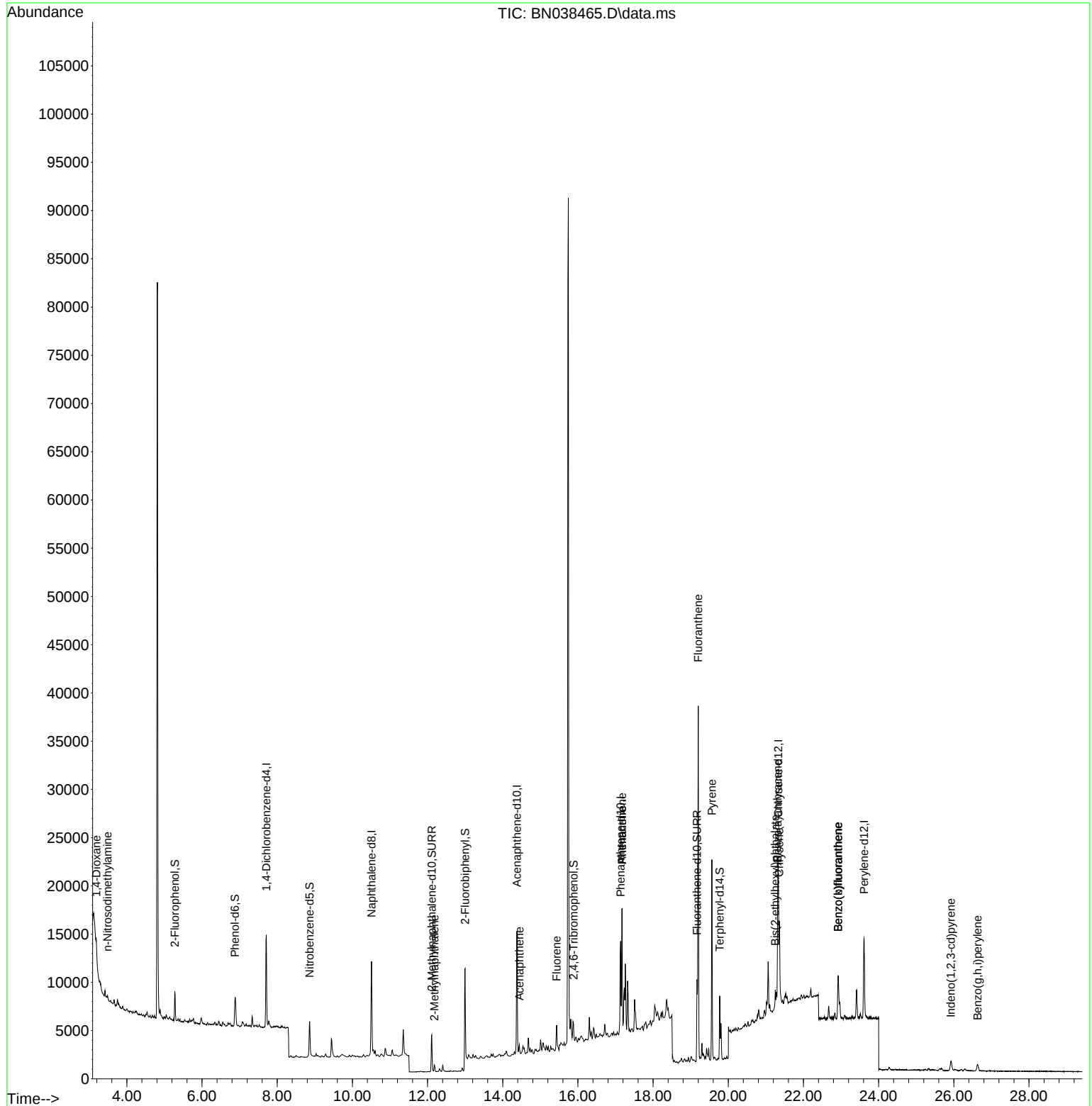
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	4938	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	13202	0.400	ng	#-0.02
13) Acenaphthene-d10	14.377	164	7024	0.400	ng	-0.02
19) Phenanthrene-d10	17.136	188	13226	0.400	ng	-0.01
29) Chrysene-d12	21.331	240	11249	0.400	ng	# 0.00
35) Perylene-d12	23.610	264	11620	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.276	112	2537	0.206	ng	-0.01
5) Phenol-d6	6.872	99	2073	0.142	ng	-0.01
8) Nitrobenzene-d5	8.865	82	3401	0.305	ng	-0.01
11) 2-Methylnaphthalene-d10	12.111	152	5270	0.283	ng	-0.02
14) 2,4,6-Tribromophenol	15.882	330	1124	0.361	ng	-0.01
15) 2-Fluorobiphenyl	12.998	172	13592	0.402	ng	-0.01
27) Fluoranthene-d10	19.169	212	8963	0.274	ng	-0.02
31) Terphenyl-d14	19.773	244	5968	0.238	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.189	88	816	0.144	ng	# 43
3) n-Nitrosodimethylamine	3.485	42	177	0.025	ng	# 7
12) 2-Methylnaphthalene	12.182	142	501	0.020	ng	# 83
17) Acenaphthene	14.441	154	542	0.023	ng	99
18) Fluorene	15.435	166	1664	0.054	ng	# 91
25) Phenanthrene	17.173	178	13022	0.283	ng	99
26) Anthracene	17.173	178	13022	0.328	ng	98
28) Fluoranthene	19.201	202	31523	0.644	ng	98
30) Pyrene	19.564	202	17524	0.316	ng	98
32) Benzo(a)anthracene	21.313	228	7101	0.163	ng	# 89
33) Chrysene	21.357	228	10284	0.215	ng	# 86
34) Bis(2-ethylhexyl)phtha...	21.250	149	1703	0.071	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.923	276	1411	0.023	ng	96
37) Benzo(b)fluoranthene	22.923	252	8854	0.166	ng	# 65
38) Benzo(k)fluoranthene	22.923	252	8854	0.166	ng	# 66
41) Benzo(g,h,i)perylene	26.630	276	1448	0.027	ng	# 66

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

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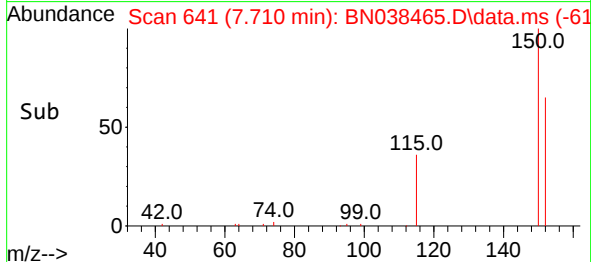
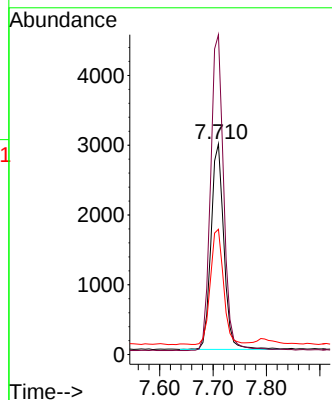
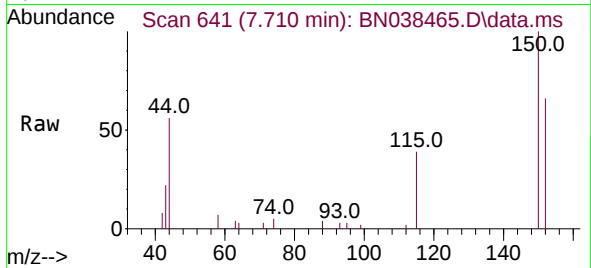




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.014 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

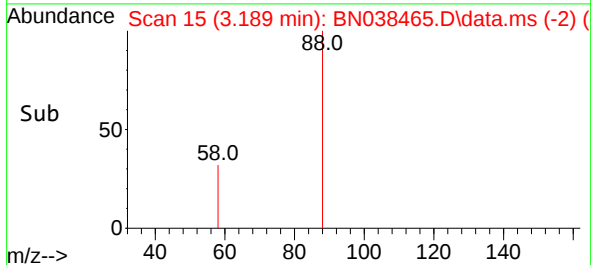
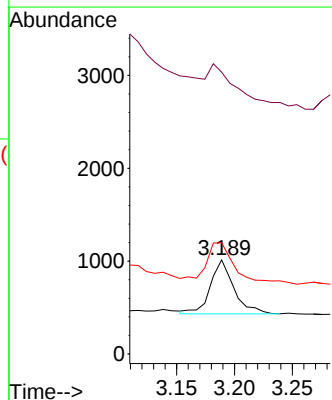
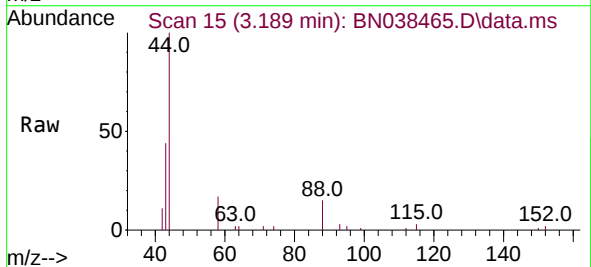
Instrument :
 BNA_N
 ClientSampleId :
 COAW8

Tgt Ion:152 Resp: 4938
 Ion Ratio Lower Upper
 152 100
 150 152.0 122.4 183.6
 115 59.6 47.3 70.9



#2
 1,4-Dioxane
 Concen: 0.144 ng
 RT: 3.189 min Scan# 15
 Delta R.T. -0.007 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

Tgt Ion: 88 Resp: 816
 Ion Ratio Lower Upper
 88 100
 43 104.8 24.9 37.3#
 58 99.1 61.4 92.0#

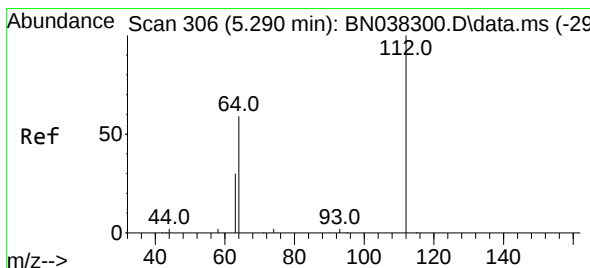
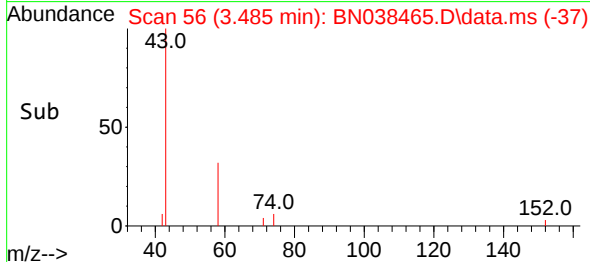
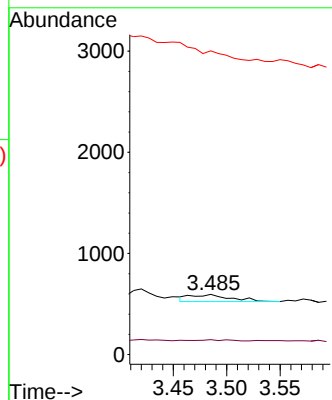
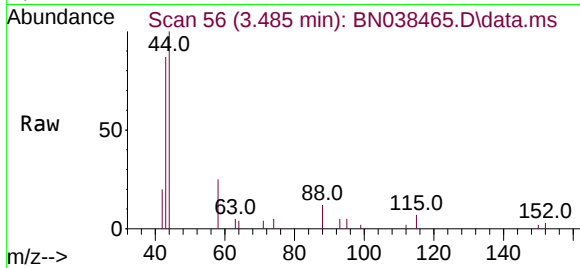




#3
 n-Nitrosodimethylamine
 Concen: 0.025 ng
 RT: 3.485 min Scan# 50
 Delta R.T. -0.014 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

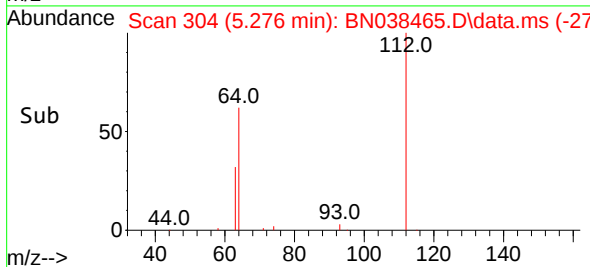
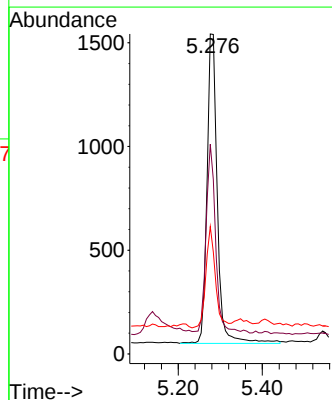
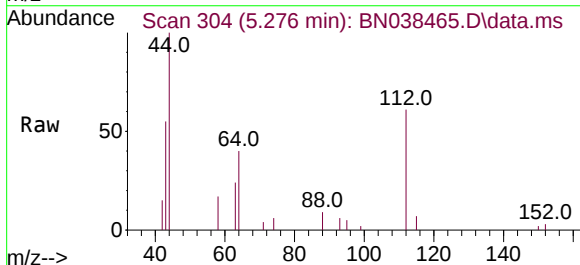
Instrument :
 BNA_N
 ClientSampleId :
 COAW8

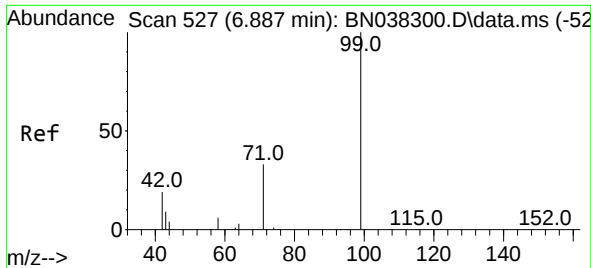
Tgt Ion: 42 Resp: 177
 Ion Ratio Lower Upper
 42 100
 74 10.2 95.3 142.9#
 44 0.0 7.9 11.9#



#4
 2-Fluorophenol
 Concen: 0.206 ng
 RT: 5.276 min Scan# 304
 Delta R.T. -0.014 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

Tgt Ion: 112 Resp: 2537
 Ion Ratio Lower Upper
 112 100
 64 57.1 44.4 66.6
 63 29.9 23.4 35.0

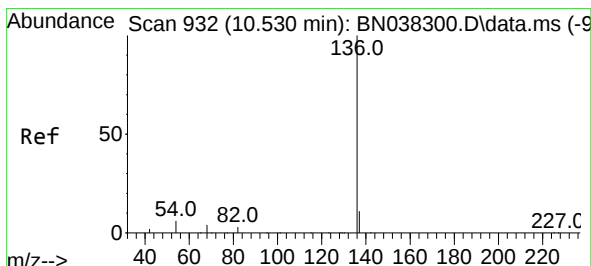
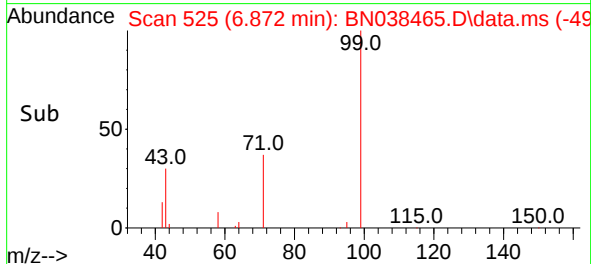
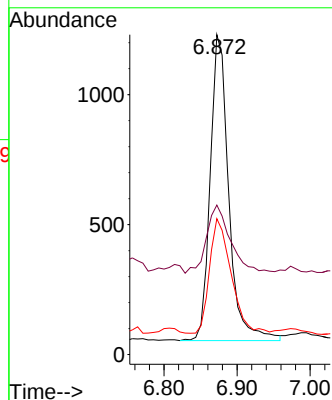
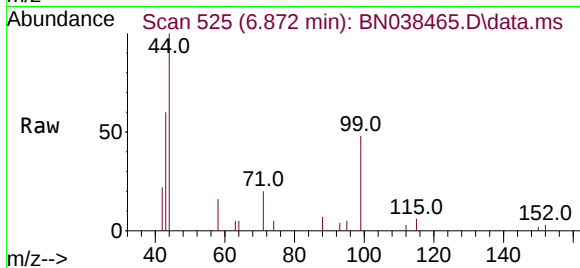




#5
Phenol-d6
Concen: 0.142 ng
RT: 6.872 min Scan# 51
Delta R.T. -0.014 min
Lab File: BN038465.D
Acq: 17 Dec 2025 05:36

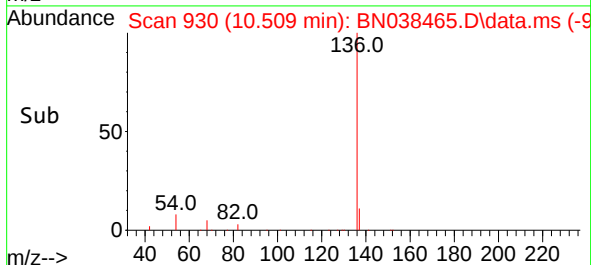
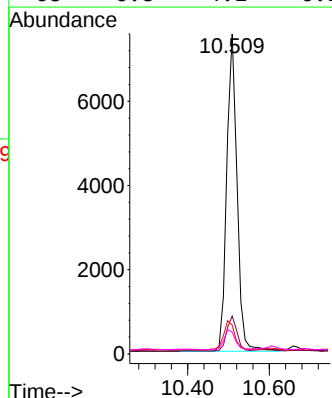
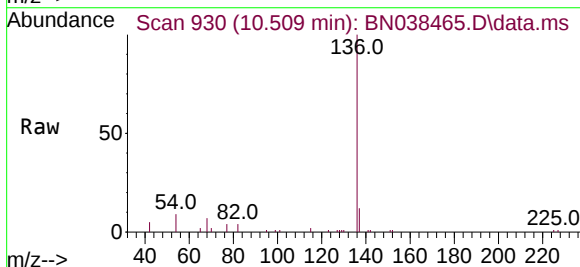
Instrument :
BNA_N
ClientSampleId :
COAW8

Tgt Ion: 99 Resp: 2073
Ion Ratio Lower Upper
99 100
42 28.8 16.5 24.7#
71 44.5 24.9 37.3#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. -0.021 min
Lab File: BN038465.D
Acq: 17 Dec 2025 05:36

Tgt Ion: 136 Resp: 13202
Ion Ratio Lower Upper
136 100
137 11.8 9.1 13.7
54 9.0 5.2 7.8#
68 6.8 4.1 6.1#

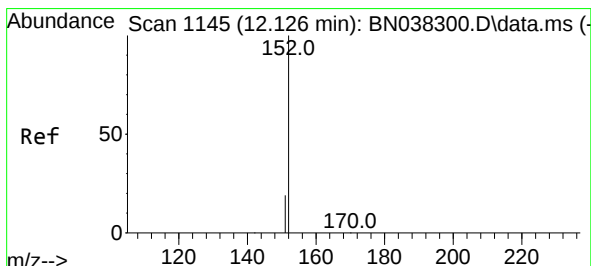
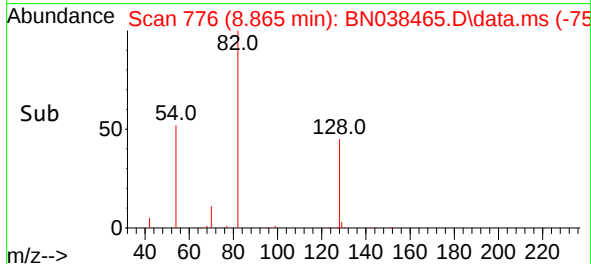
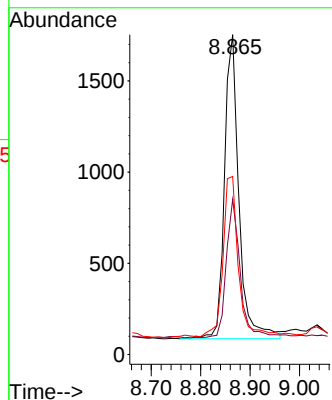
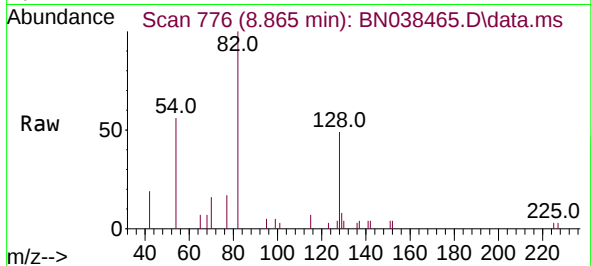




#8
 Nitrobenzene-d5
 Concen: 0.305 ng
 RT: 8.865 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

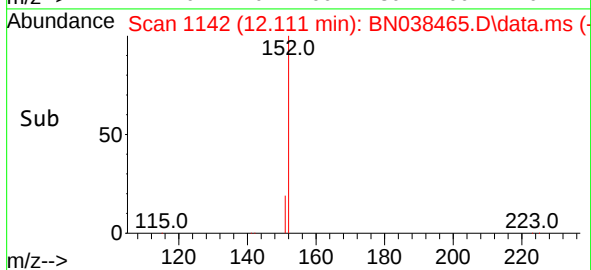
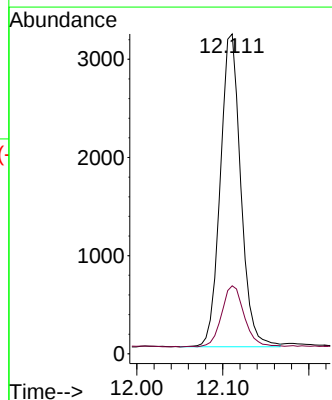
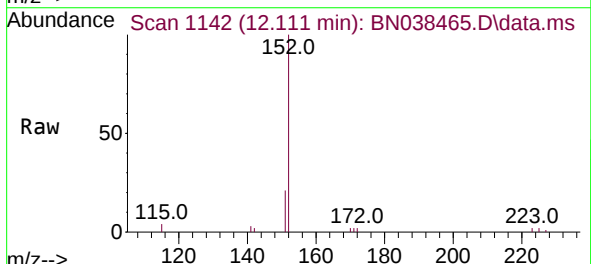
Instrument :
 BNA_N
 ClientSampleId :
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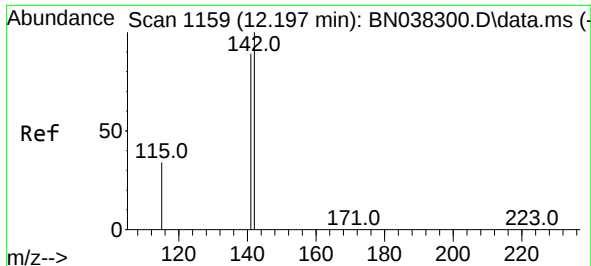
Tgt Ion: 82 Resp: 3401
 Ion Ratio Lower Upper
 82 100
 128 48.5 34.0 51.0
 54 55.6 44.4 66.6



#11
 2-Methylnaphthalene-d10
 Concen: 0.283 ng
 RT: 12.111 min Scan# 1142
 Delta R.T. -0.015 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

Tgt Ion: 152 Resp: 5270
 Ion Ratio Lower Upper
 152 100
 151 21.8 17.0 25.6

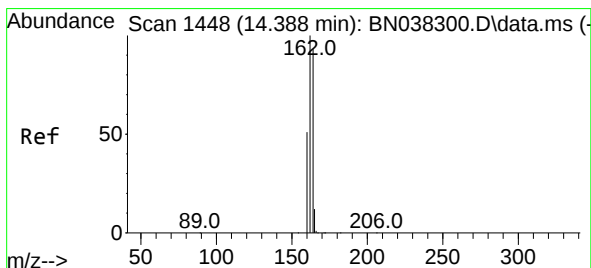
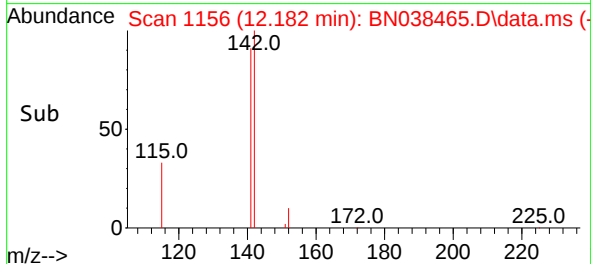
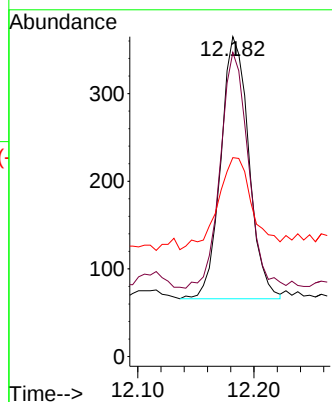
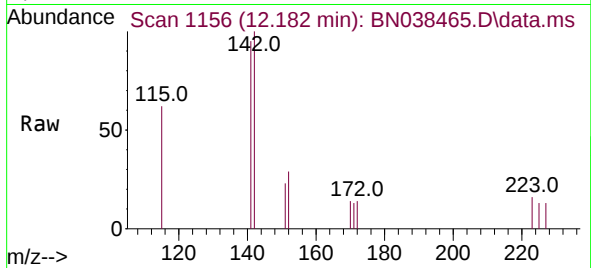




#12
2-Methylnaphthalene
Concen: 0.020 ng
RT: 12.182 min Scan# 1156
Delta R.T. -0.020 min
Lab File: BN038465.D
Acq: 17 Dec 2025 05:36

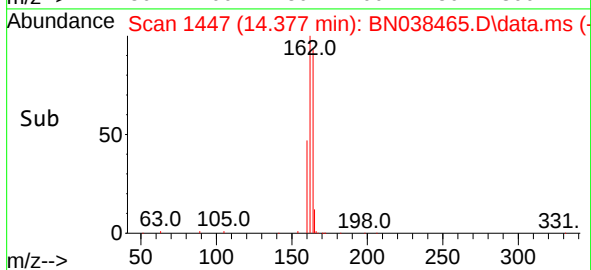
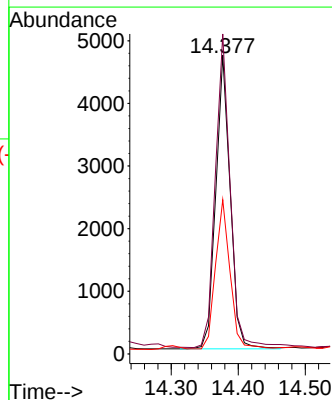
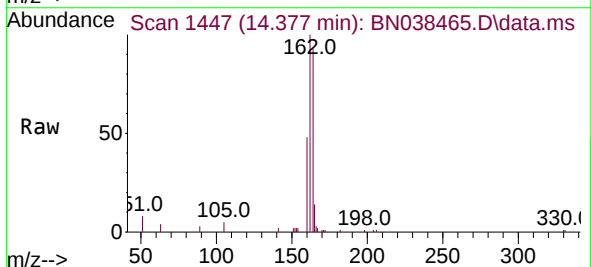
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COAW8

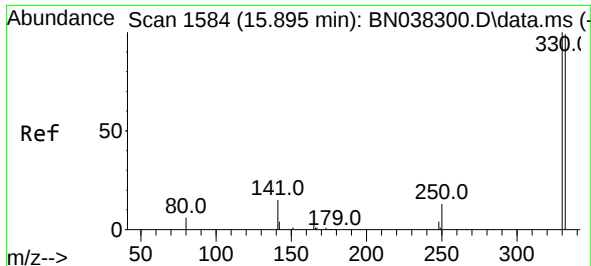
Tgt Ion:142 Resp: 501
Ion Ratio Lower Upper
142 100
141 95.1 71.4 107.2
115 62.2 28.4 42.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.377 min Scan# 1447
Delta R.T. -0.021 min
Lab File: BN038465.D
Acq: 17 Dec 2025 05:36

Tgt Ion:164 Resp: 7024
Ion Ratio Lower Upper
164 100
162 107.1 86.2 129.4
160 51.6 44.6 67.0

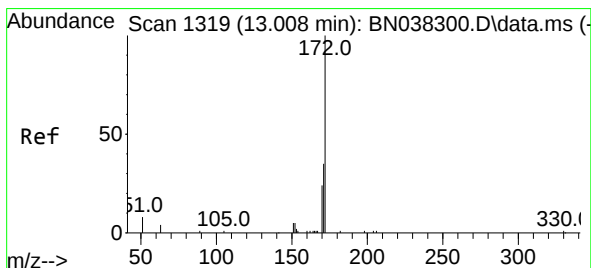
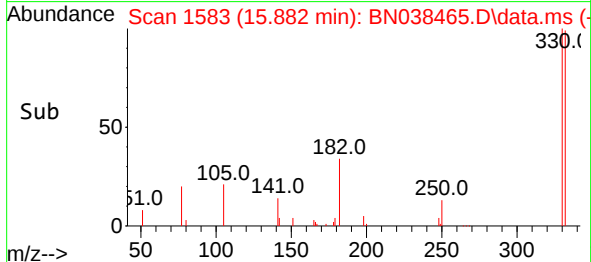
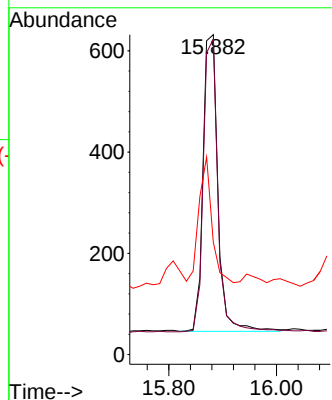
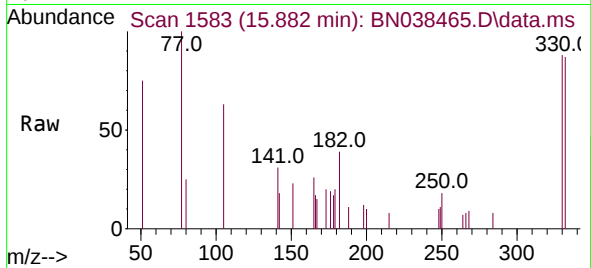




#14
 2,4,6-Tribromophenol
 Concen: 0.361 ng
 RT: 15.882 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

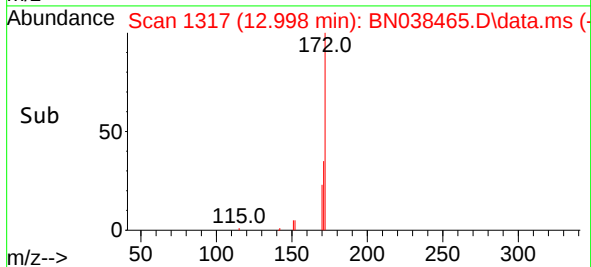
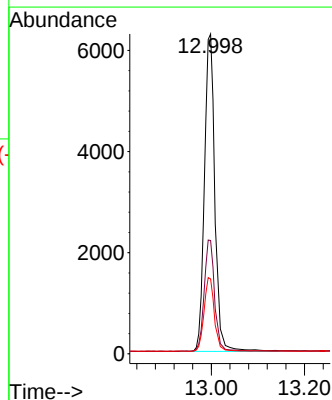
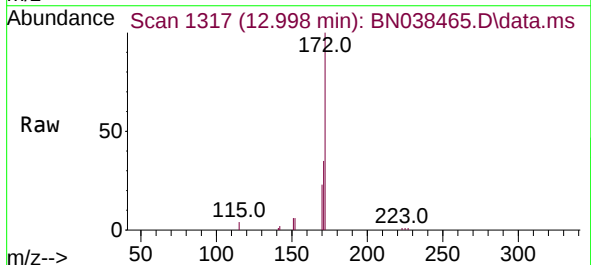
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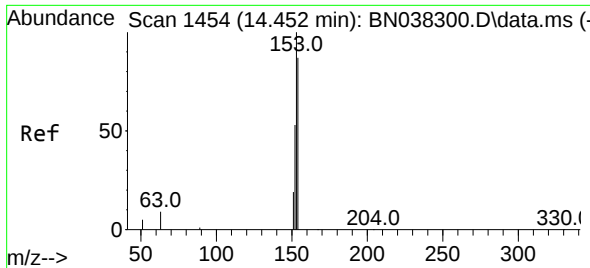
Tgt Ion: 330 Resp: 1124
 Ion Ratio Lower Upper
 330 100
 332 96.4 75.8 113.6
 141 38.3 31.8 47.8



#15
 2-Fluorobiphenyl
 Concen: 0.402 ng
 RT: 12.998 min Scan# 1317
 Delta R.T. -0.010 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

Tgt Ion: 172 Resp: 13592
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.4 19.3 28.9

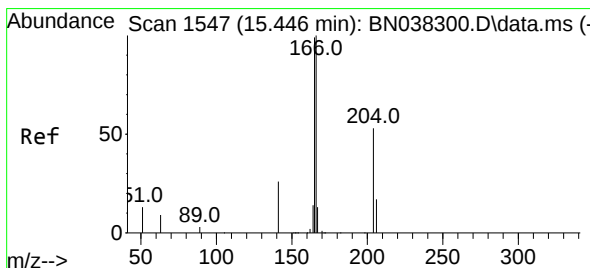
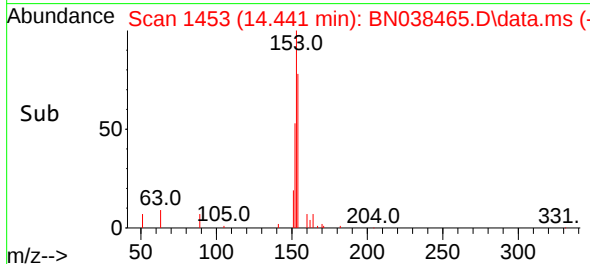
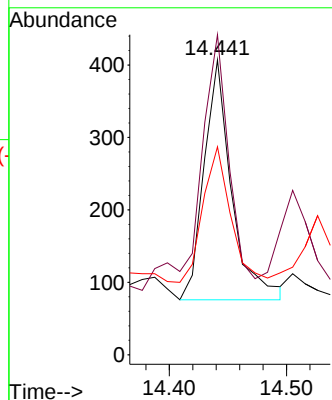
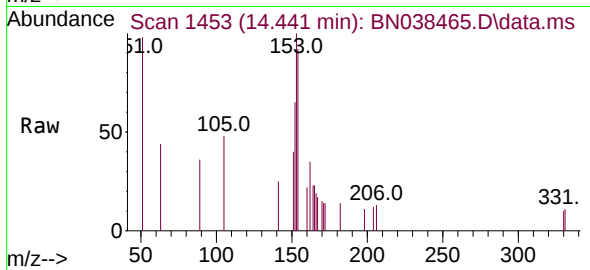




#17
Acenaphthene
Concen: 0.023 ng
RT: 14.441 min Scan# 1453
Delta R.T. -0.021 min
Lab File: BN038465.D
Acq: 17 Dec 2025 05:36

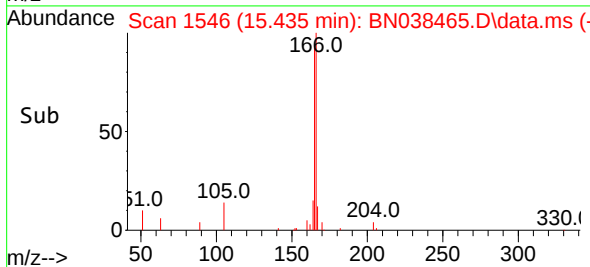
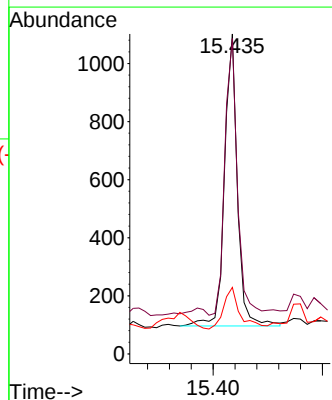
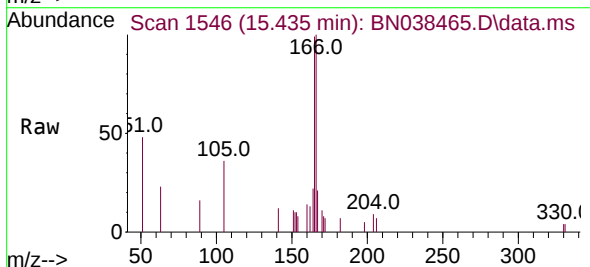
Instrument :
BNA_N
ClientSampleId :
COAW8

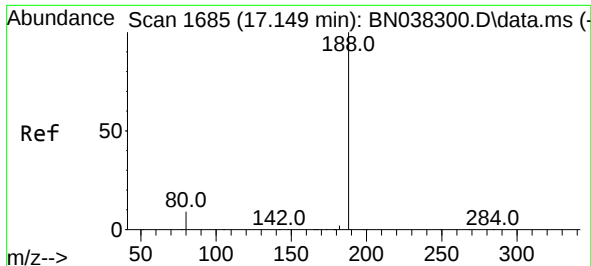
Tgt Ion:154 Resp: 542
Ion Ratio Lower Upper
154 100
153 112.2 89.8 134.8
152 56.5 47.5 71.3



#18
Fluorene
Concen: 0.054 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038465.D
Acq: 17 Dec 2025 05:36

Tgt Ion:166 Resp: 1664
Ion Ratio Lower Upper
166 100
165 91.3 80.2 120.4
167 18.0 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: BN038465.D

Acq: 17 Dec 2025 05:36

Instrument :

BNA_N

ClientSampleId :

COAW8

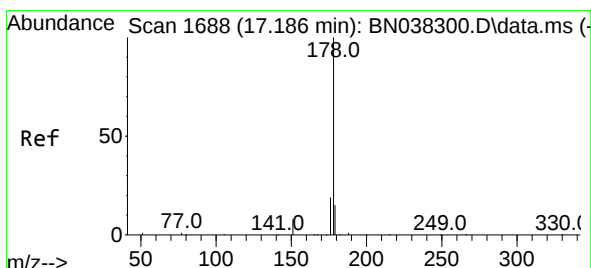
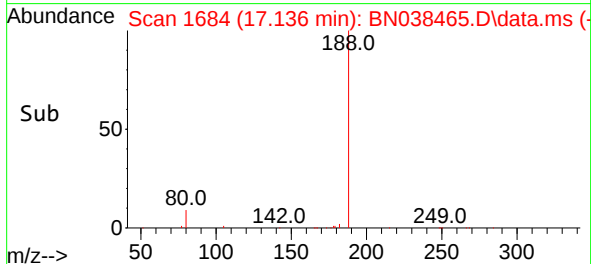
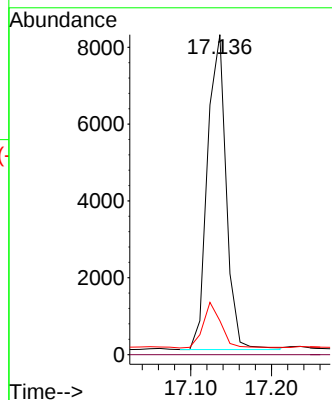
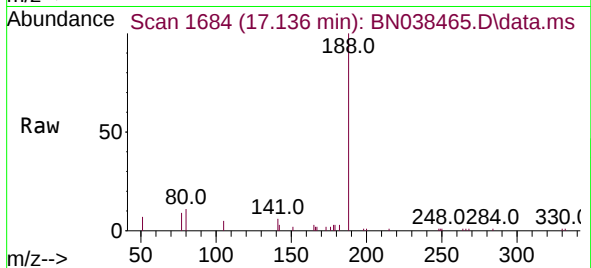
Tgt Ion:188 Resp: 13226

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 7.4 11.0



#25

Phenanthrene

Concen: 0.283 ng

RT: 17.173 min Scan# 1687

Delta R.T. -0.012 min

Lab File: BN038465.D

Acq: 17 Dec 2025 05:36

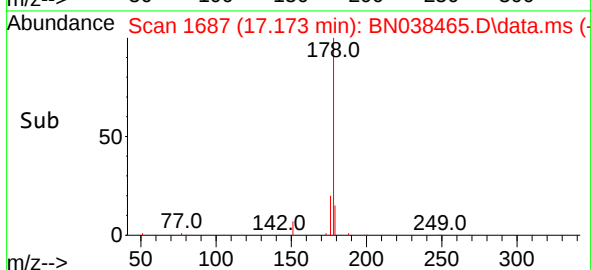
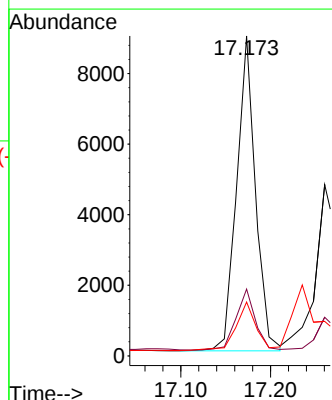
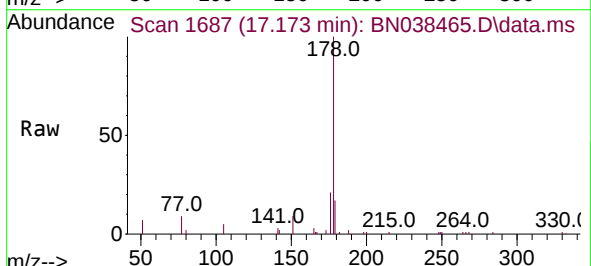
Tgt Ion:178 Resp: 13022

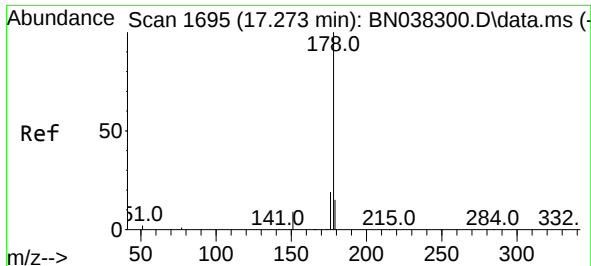
Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 16.3 12.2 18.2

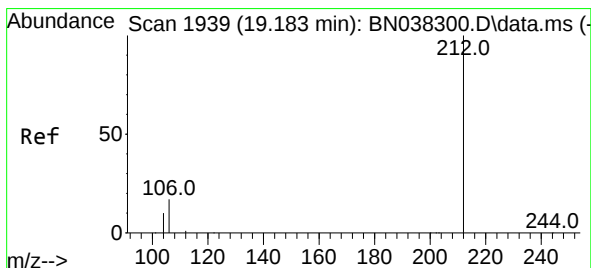
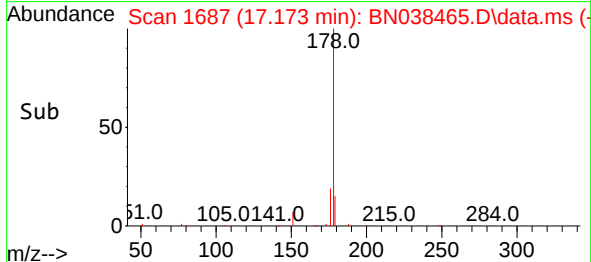
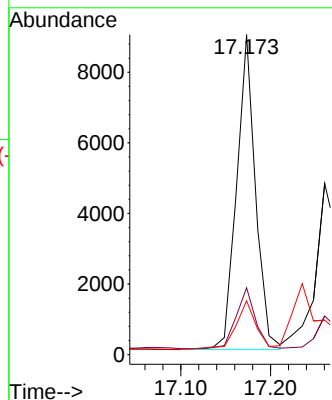
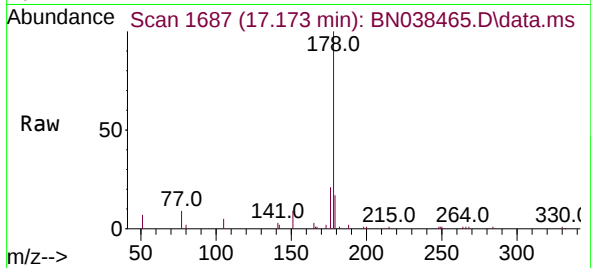




#26
 Anthracene
 Concen: 0.328 ng
 RT: 17.173 min Scan# 1687
 Delta R.T. -0.112 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

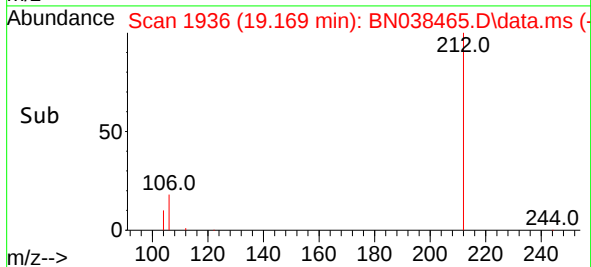
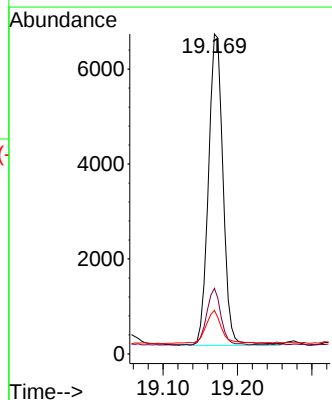
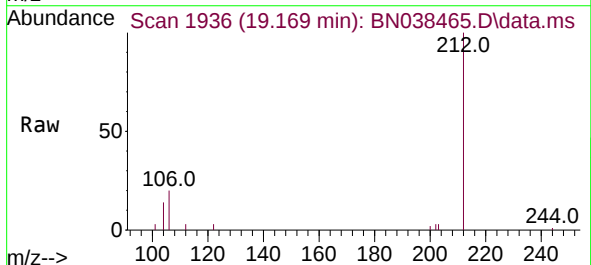
Instrument :
 BNA_N
 ClientSampleId :
 COAW8

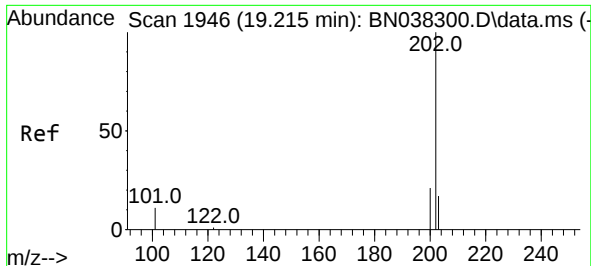
Tgt Ion:178 Resp: 13022
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.1 22.7
 179 16.1 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.274 ng
 RT: 19.169 min Scan# 1936
 Delta R.T. -0.019 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

Tgt Ion:212 Resp: 8963
 Ion Ratio Lower Upper
 212 100
 106 17.9 13.7 20.5
 104 12.1 7.8 11.8#

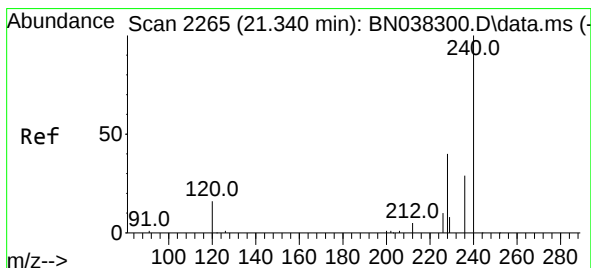
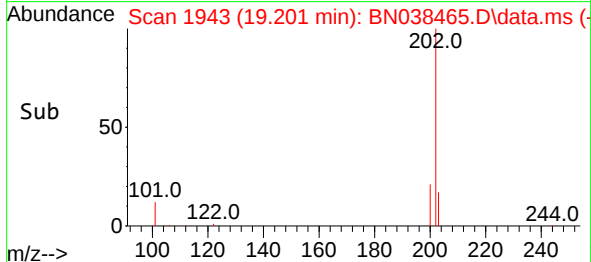
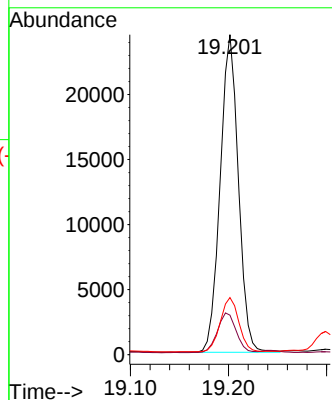
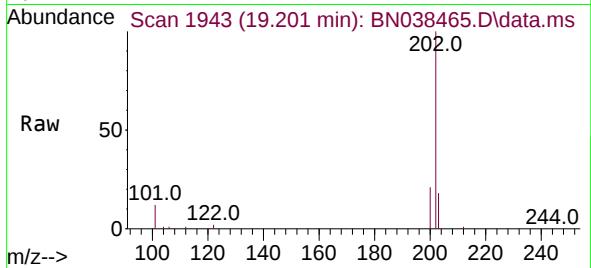




#28
Fluoranthene
Concen: 0.644 ng
RT: 19.201 min Scan# 1943
Delta R.T. -0.019 min
Lab File: BN038465.D
Acq: 17 Dec 2025 05:36

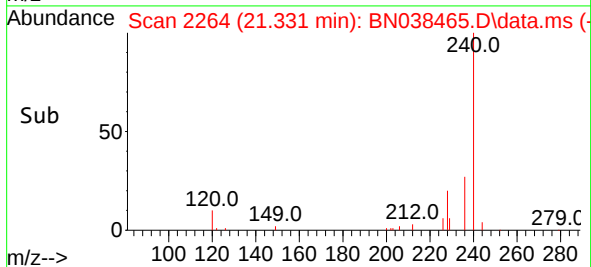
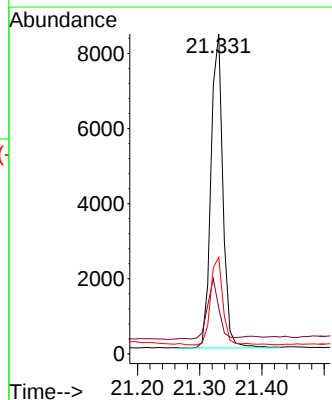
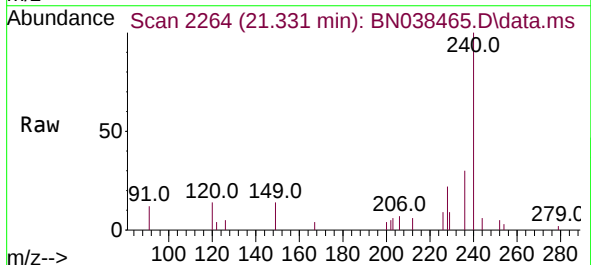
Instrument :
BNA_N
ClientSampleId :
COAW8

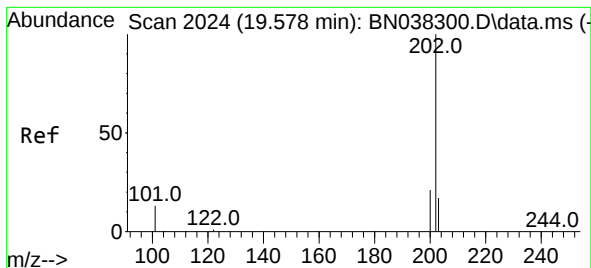
Tgt Ion:202 Resp: 31523
Ion Ratio Lower Upper
202 100
101 12.9 9.6 14.4
203 17.6 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038465.D
Acq: 17 Dec 2025 05:36

Tgt Ion:240 Resp: 11249
Ion Ratio Lower Upper
240 100
120 14.3 15.4 23.2#
236 30.2 23.9 35.9





#30

Pyrene

Concen: 0.316 ng

RT: 19.564 min Scan# 20

Delta R.T. -0.019 min

Lab File: BN038465.D

Acq: 17 Dec 2025 05:36

Instrument :

BNA_N

ClientSampleId :

COAW8

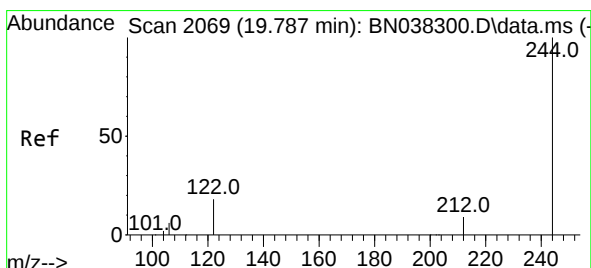
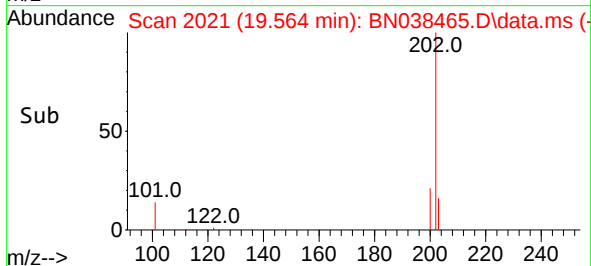
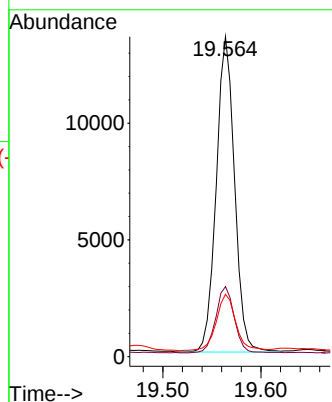
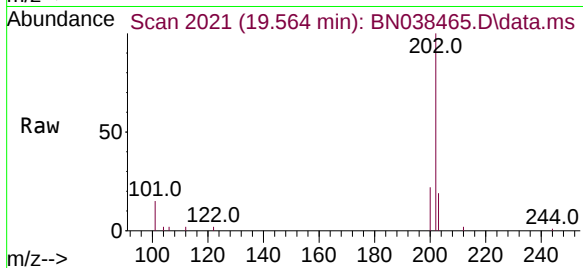
Tgt Ion:202 Resp: 17524

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

203 19.1 14.2 21.2



#31

Terphenyl-d14

Concen: 0.238 ng

RT: 19.773 min Scan# 2066

Delta R.T. -0.019 min

Lab File: BN038465.D

Acq: 17 Dec 2025 05:36

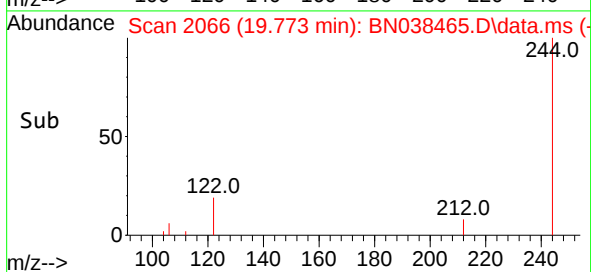
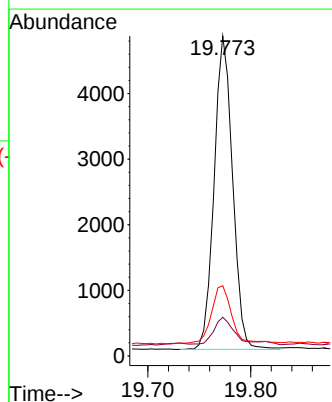
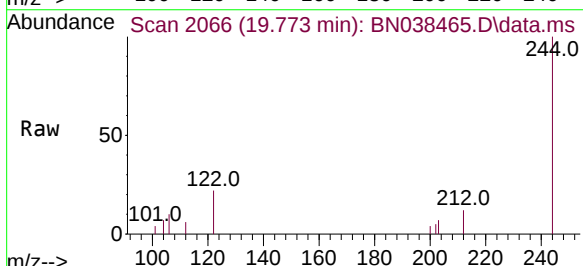
Tgt Ion:244 Resp: 5968

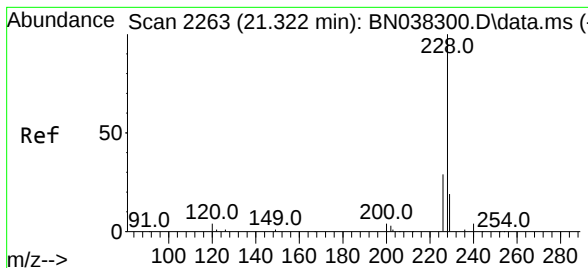
Ion Ratio Lower Upper

244 100

212 12.1 7.9 11.9#

122 21.9 15.0 22.6





#32

Benzo(a)anthracene

Concen: 0.163 ng

RT: 21.313 min Scan# 21

Delta R.T. -0.018 min

Lab File: BN038465.D

Acq: 17 Dec 2025 05:36

Instrument :

BNA_N

ClientSampleId :

COAW8

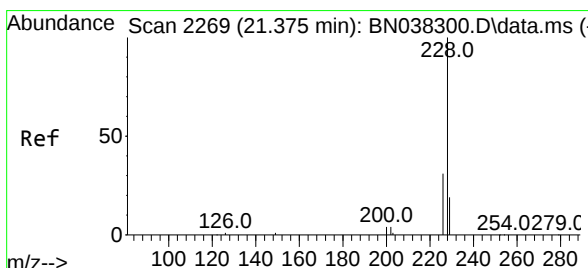
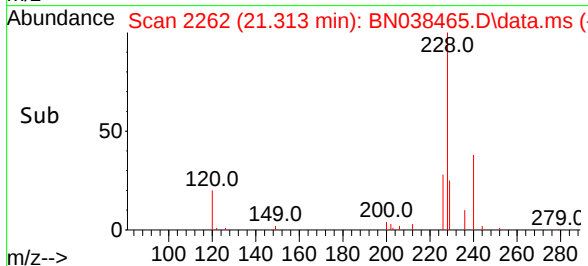
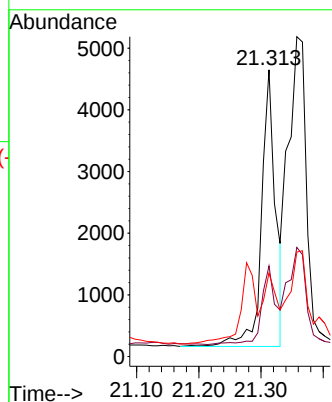
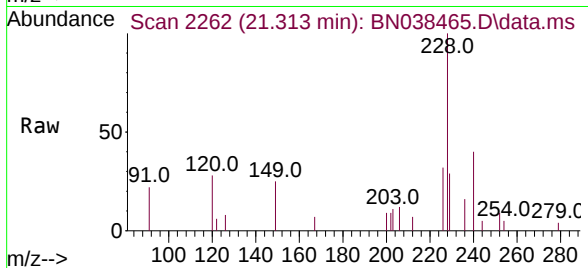
Tgt Ion:228 Resp: 7101

Ion Ratio Lower Upper

228 100

226 31.6 23.3 34.9

229 29.1 15.7 23.5#



#33

Chrysene

Concen: 0.215 ng

RT: 21.357 min Scan# 2267

Delta R.T. -0.018 min

Lab File: BN038465.D

Acq: 17 Dec 2025 05:36

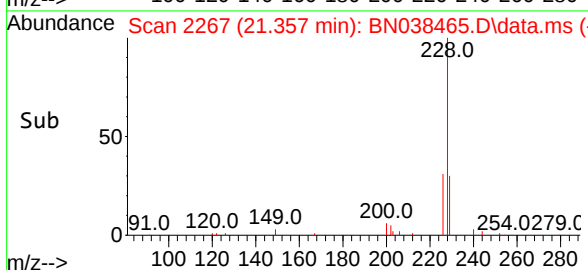
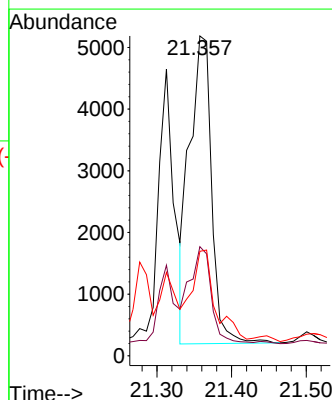
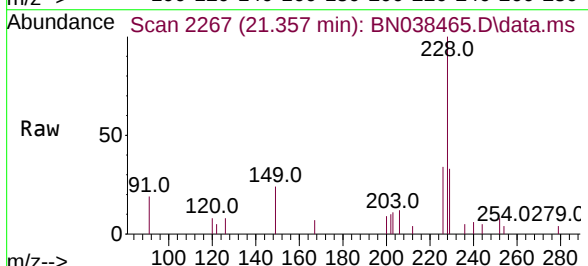
Tgt Ion:228 Resp: 10284

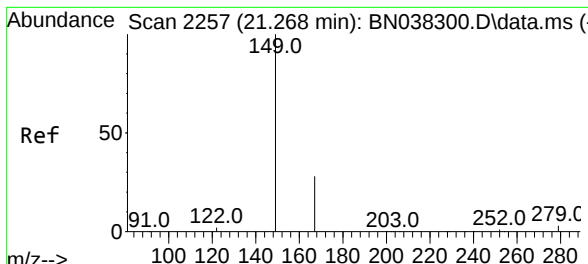
Ion Ratio Lower Upper

228 100

226 34.1 25.0 37.4

229 32.7 15.5 23.3#

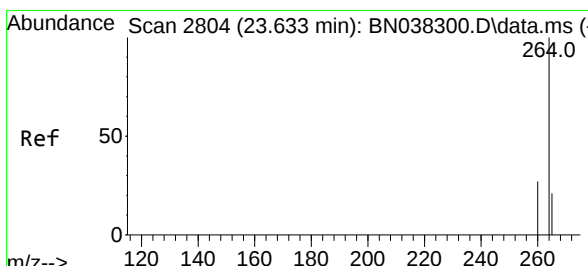
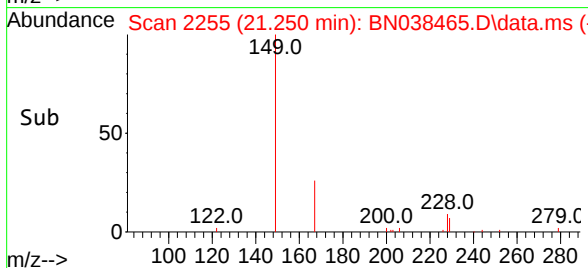
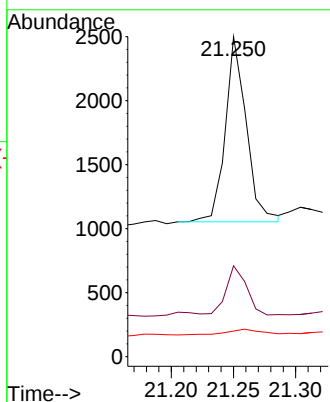
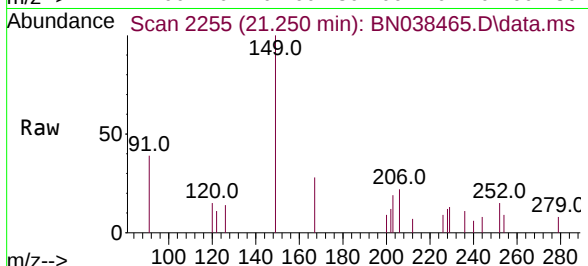




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.071 ng
 RT: 21.250 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

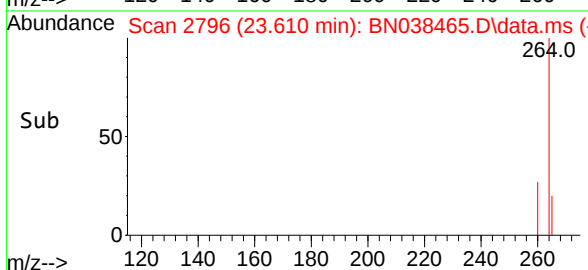
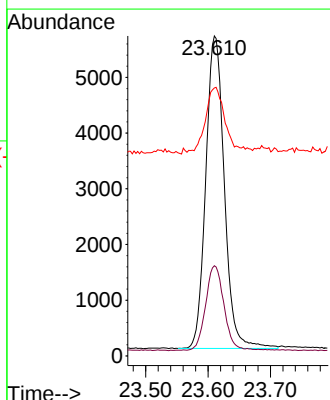
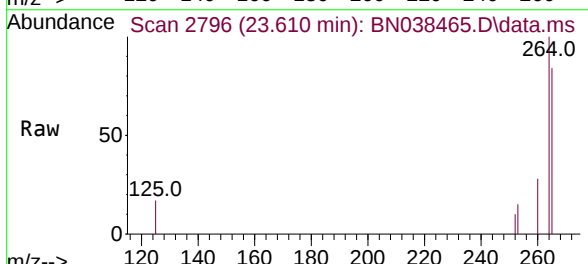
Instrument :
 BNA_N
 ClientSampleId :
 COAW8

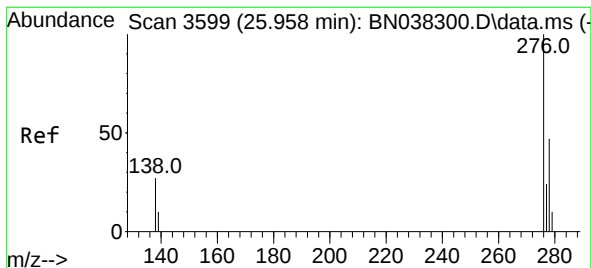
Tgt Ion:149 Resp: 1703
 Ion Ratio Lower Upper
 149 100
 167 25.2 21.4 32.0
 279 5.6 2.4 3.6#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.610 min Scan# 2796
 Delta R.T. -0.023 min
 Lab File: BN038465.D
 Acq: 17 Dec 2025 05:36

Tgt Ion:264 Resp: 11620
 Ion Ratio Lower Upper
 264 100
 260 28.2 22.2 33.2
 265 83.7 80.2 120.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.023 ng

RT: 25.923 min Scan# 3599

Delta R.T. -0.041 min

Lab File: BN038465.D

Acq: 17 Dec 2025 05:36

Instrument :

BNA_N

ClientSampleId :

COAW8

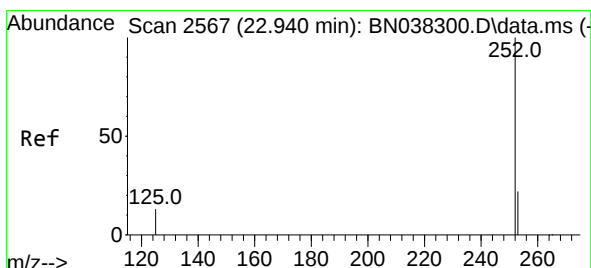
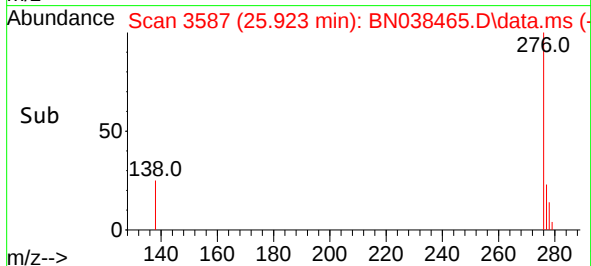
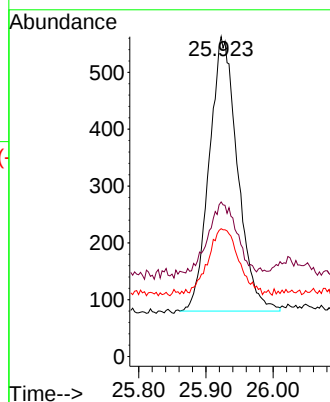
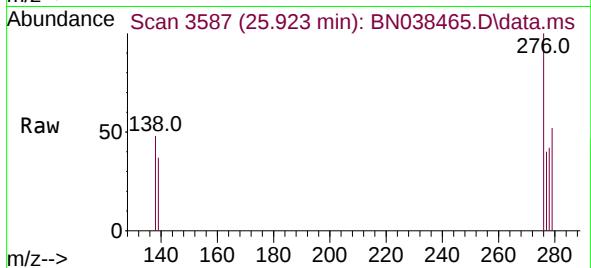
Tgt Ion:276 Resp: 1411

Ion Ratio Lower Upper

276 100

138 26.8 23.6 35.4

277 26.2 19.7 29.5



#37

Benzo(b)fluoranthene

Concen: 0.166 ng

RT: 22.923 min Scan# 2561

Delta R.T. -0.023 min

Lab File: BN038465.D

Acq: 17 Dec 2025 05:36

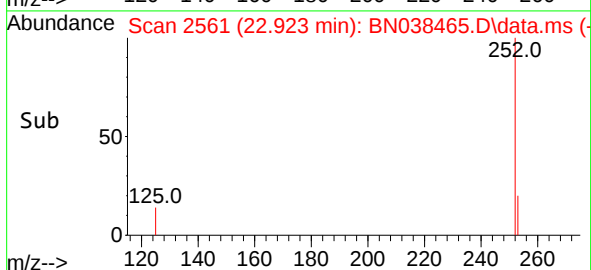
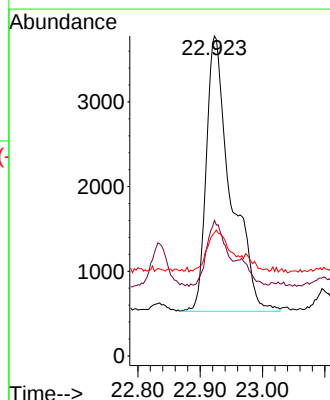
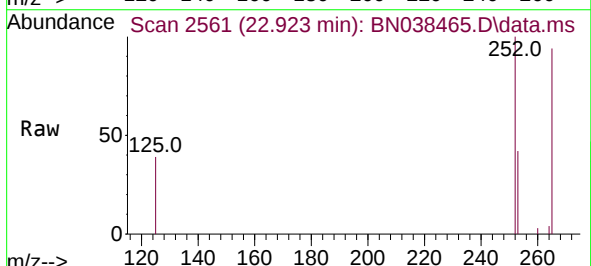
Tgt Ion:252 Resp: 8854

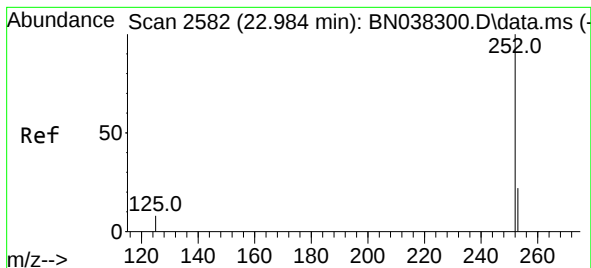
Ion Ratio Lower Upper

252 100

253 42.4 21.1 31.7#

125 38.5 16.4 24.6#





#38

Benzo(k)fluoranthene

Concen: 0.166 ng

RT: 22.923 min Scan# 21

Delta R.T. -0.067 min

Lab File: BN038465.D

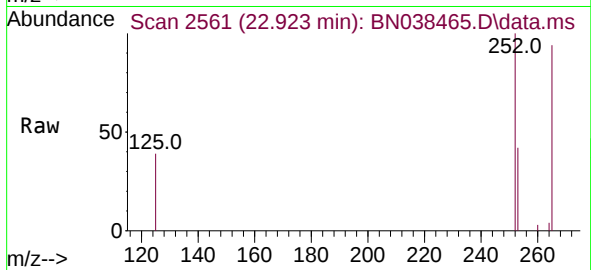
Acq: 17 Dec 2025 05:36

Instrument :

BNA_N

ClientSampleId :

COAW8



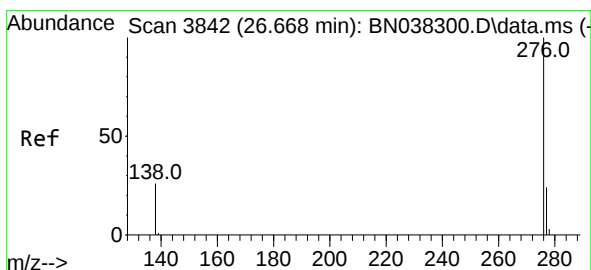
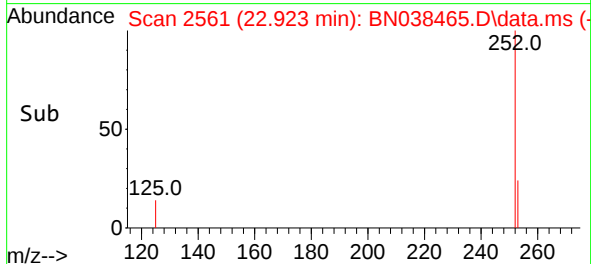
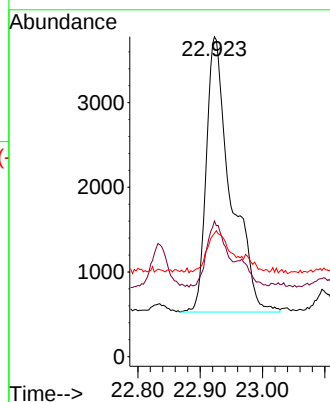
Tgt Ion:252 Resp: 8854

Ion Ratio Lower Upper

252 100

253 42.4 21.4 32.0#

125 38.5 16.2 24.2#



#41

Benzo(g,h,i)perylene

Concen: 0.027 ng

RT: 26.630 min Scan# 3829

Delta R.T. -0.047 min

Lab File: BN038465.D

Acq: 17 Dec 2025 05:36

Tgt Ion:276 Resp: 1448

Ion Ratio Lower Upper

276 100

277 39.6 20.0 30.0#

138 47.0 21.8 32.6#

