

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038409.D
 Acq On : 15 Dec 2025 17:44
 Operator : RC/JU
 Sample : Q3839-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS1

Quant Time: Dec 15 23:55:58 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)

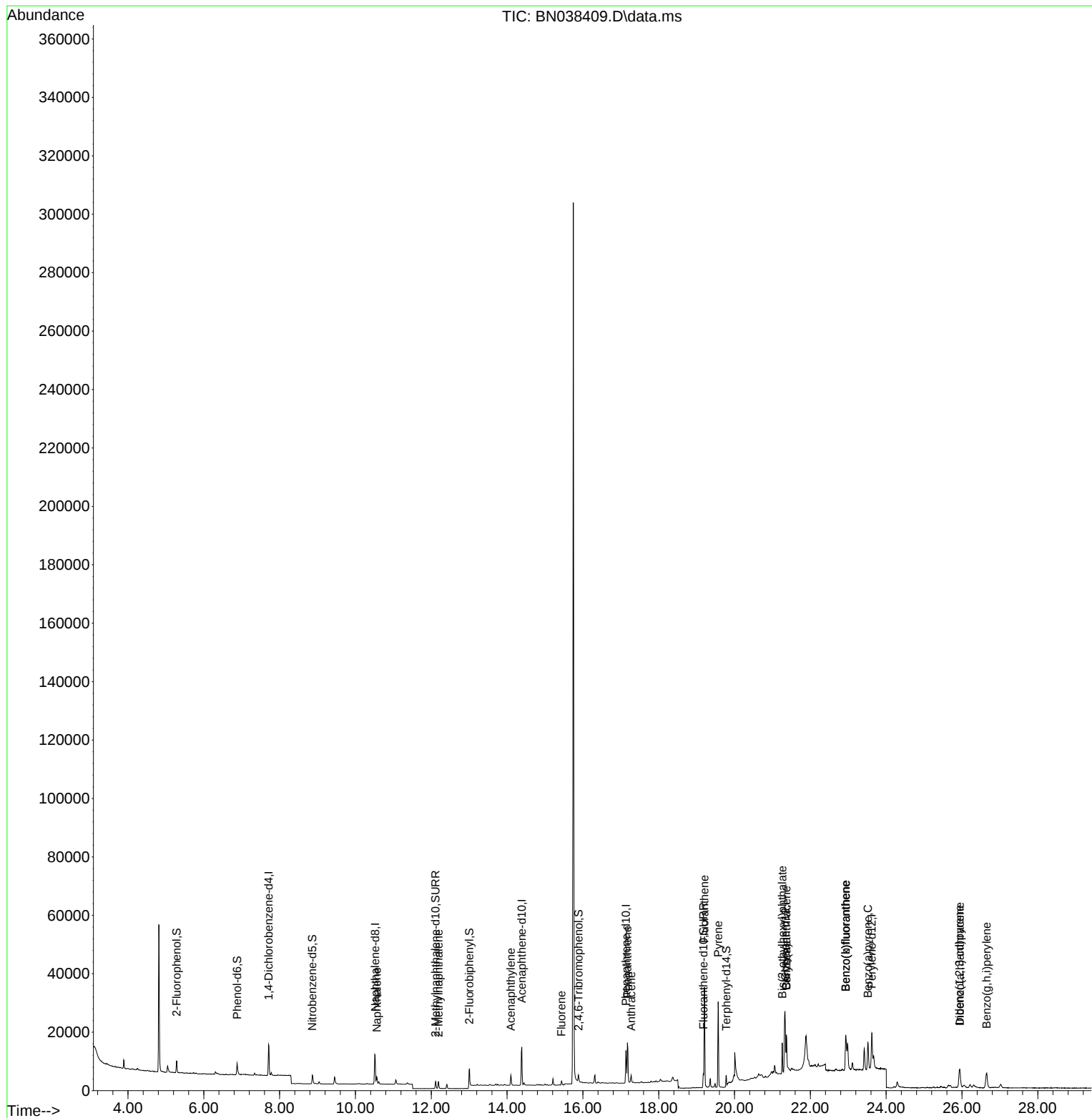
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.709	152	5342	0.400	ng	-0.01
7) Naphthalene-d8	10.519	136	14869	0.400	ng	-0.01
13) Acenaphthene-d10	14.387	164	7905	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	14440	0.400	ng	#-0.01
29) Chrysene-d12	21.339	240	13381	0.400	ng	# 0.00
35) Perylene-d12	23.621	264	14860	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3346	0.252	ng	0.00
5) Phenol-d6	6.879	99	3808	0.241	ng	0.00
8) Nitrobenzene-d5	8.864	82	2699	0.215	ng	-0.01
11) 2-Methylnaphthalene-d10	12.115	152	3560	0.170	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	1090	0.311	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	7959	0.209	ng	0.00
27) Fluoranthene-d10	19.178	212	5325	0.149	ng	0.00
31) Terphenyl-d14	19.782	244	3698	0.124	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.562	128	3158	0.072	ng	# 92
12) 2-Methylnaphthalene	12.192	142	1872	0.067	ng	97
16) Acenaphthylene	14.098	152	4009	0.103	ng	98
18) Fluorene	15.435	166	893	0.026	ng	99
25) Phenanthrene	17.173	178	15907	0.316	ng	99
26) Anthracene	17.272	178	3097	0.071	ng	96
28) Fluoranthene	19.206	202	30314	0.567	ng	99
30) Pyrene	19.568	202	25794	0.392	ng	100
32) Benzo(a)anthracene	21.366	228	12411	0.240	ng	94
33) Chrysene	21.366	228	12498	0.220	ng	96
34) Bis(2-ethylhexyl)phtha...	21.259	149	8812	0.311	ng	98
36) Indeno(1,2,3-cd)pyrene	25.934	276	10875	0.138	ng	# 93
37) Benzo(b)fluoranthene	22.934	252	19677	0.288	ng	# 89
38) Benzo(k)fluoranthene	22.934	252	19677	0.289	ng	# 89
39) Benzo(a)pyrene	23.519	252	13560	0.243	ng	95
40) Dibenzo(a,h)anthracene	25.945	278	2286	0.038	ng	# 48
41) Benzo(g,h,i)perylene	26.650	276	11066	0.163	ng	97

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

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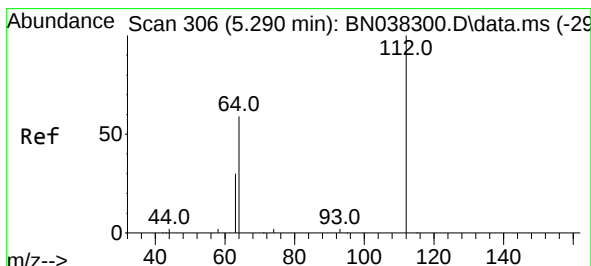
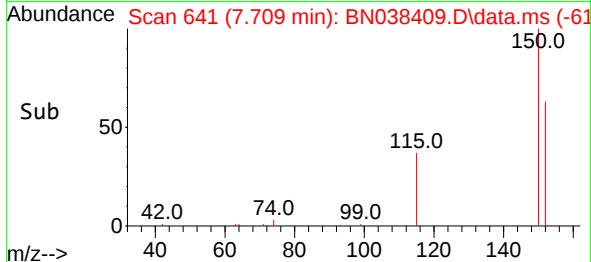
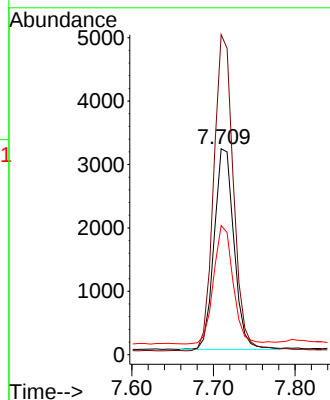
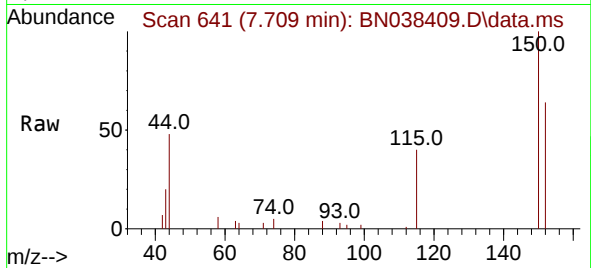




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.709 min Scan# 64
Delta R.T. -0.015 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

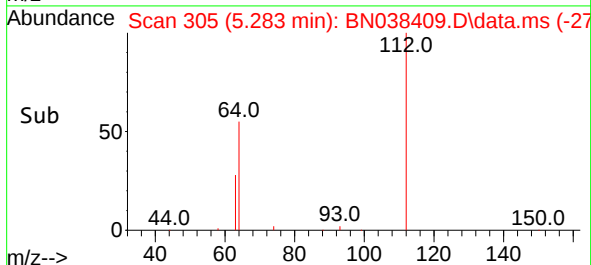
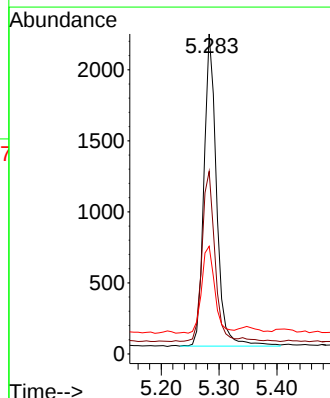
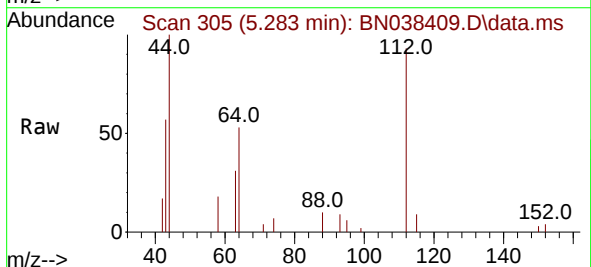
Instrument :
BNA_N
ClientSampleId :
C0AS1

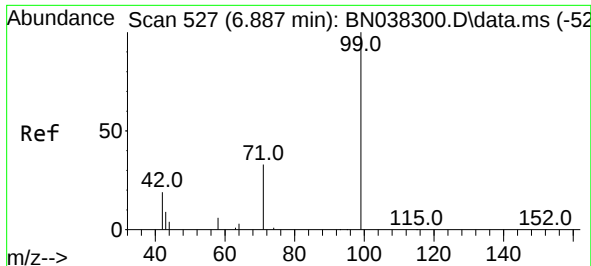
Tgt Ion:152 Resp: 5342
Ion Ratio Lower Upper
152 100
150 155.4 122.4 183.6
115 62.7 47.3 70.9



#4
2-Fluorophenol
Concen: 0.252 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.008 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

Tgt Ion:112 Resp: 3346
Ion Ratio Lower Upper
112 100
64 55.1 44.4 66.6
63 28.8 23.4 35.0

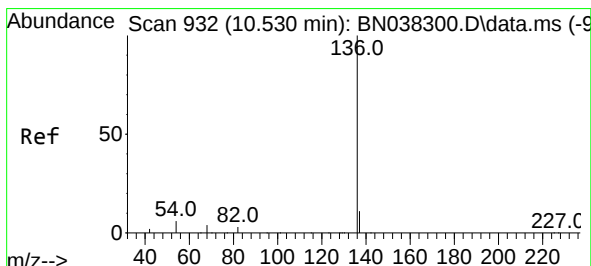
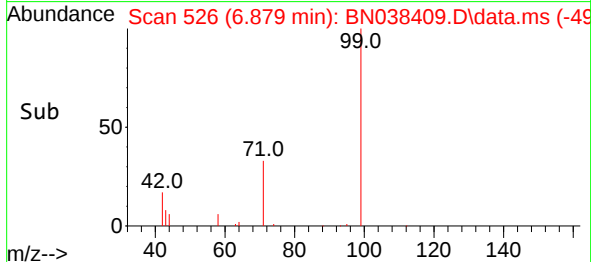
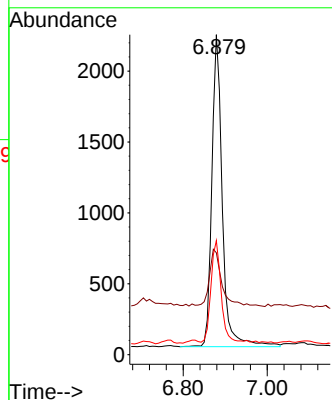
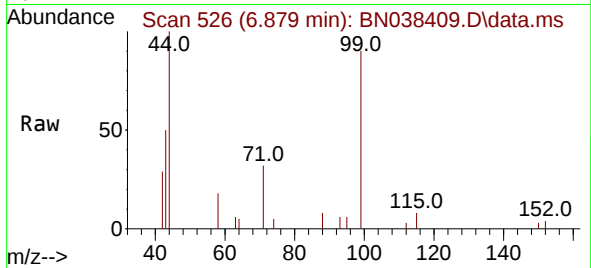




#5
Phenol-d6
Concen: 0.241 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.008 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

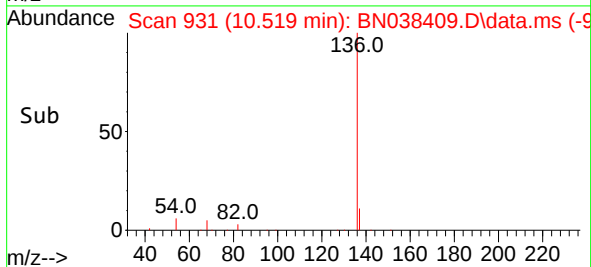
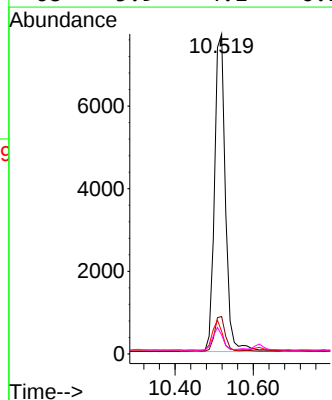
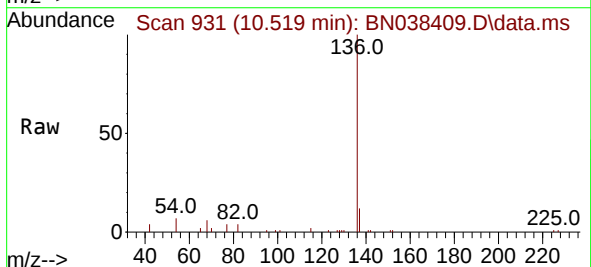
Instrument :
BNA_N
ClientSampleId :
C0AS1

Tgt Ion: 99 Resp: 3808
Ion Ratio Lower Upper
99 100
42 21.7 16.5 24.7
71 31.6 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: BN038409.D
Acq: 15 Dec 2025 17:44

Tgt Ion: 136 Resp: 14869
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 7.1 5.2 7.8
68 5.9 4.1 6.1

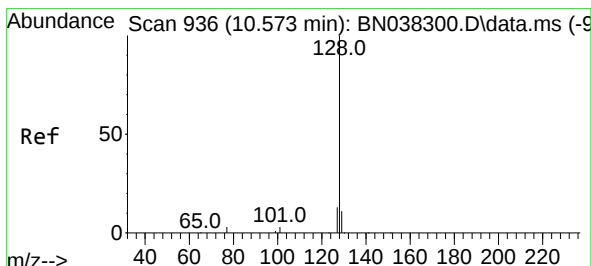
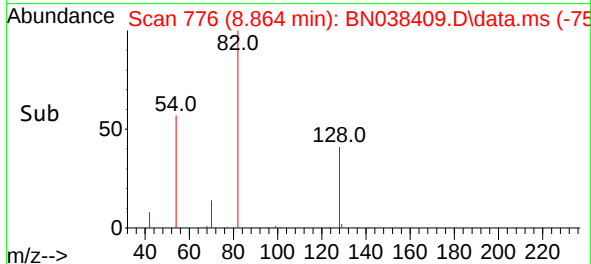
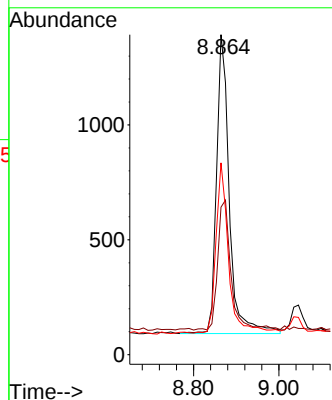
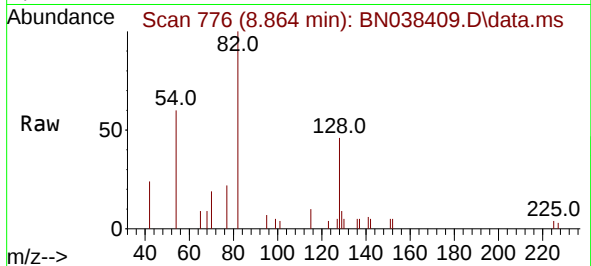




#8
 Nitrobenzene-d5
 Concen: 0.215 ng
 RT: 8.864 min Scan# 777
 Delta R.T. -0.011 min
 Lab File: BN038409.D
 Acq: 15 Dec 2025 17:44

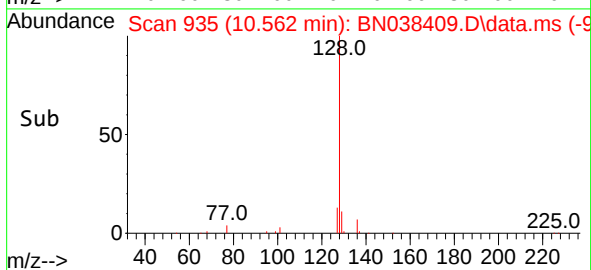
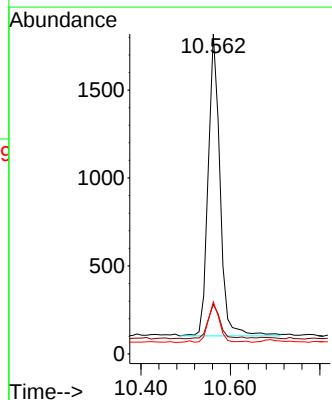
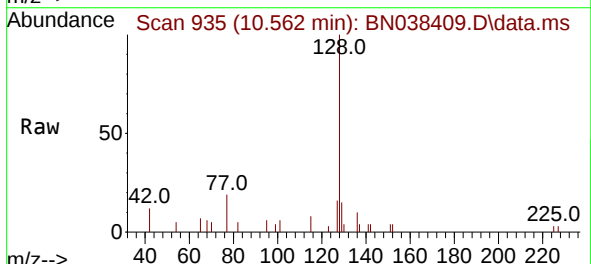
Instrument :
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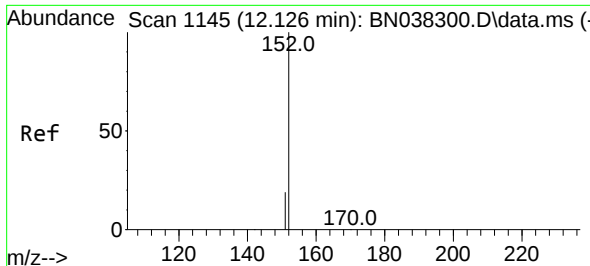
Tgt Ion: 82 Resp: 2699
 Ion Ratio Lower Upper
 82 100
 128 46.1 34.0 51.0
 54 59.9 44.4 66.6



#9
 Naphthalene
 Concen: 0.072 ng
 RT: 10.562 min Scan# 935
 Delta R.T. -0.011 min
 Lab File: BN038409.D
 Acq: 15 Dec 2025 17:44

Tgt Ion: 128 Resp: 3158
 Ion Ratio Lower Upper
 128 100
 129 15.4 9.1 13.7#
 127 16.3 10.9 16.3

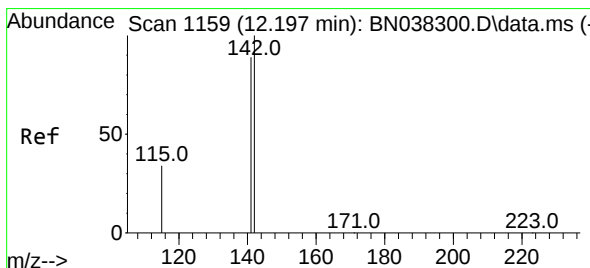
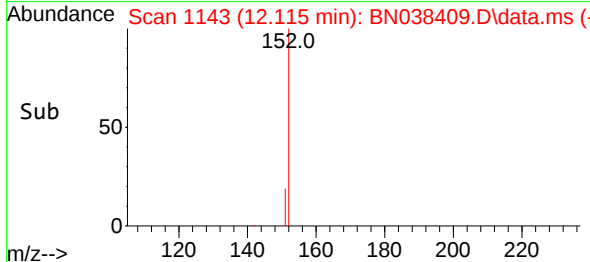
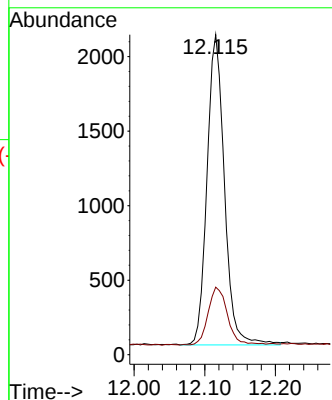
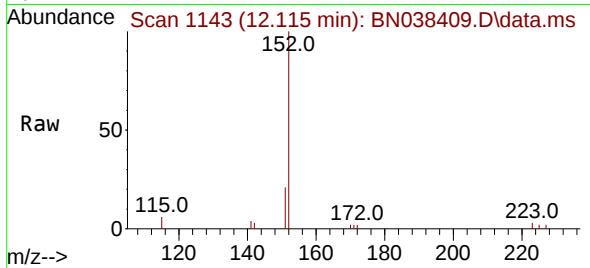




#11
2-Methylnaphthalene-d10
Concen: 0.170 ng
RT: 12.115 min Scan# 1143
Delta R.T. -0.011 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

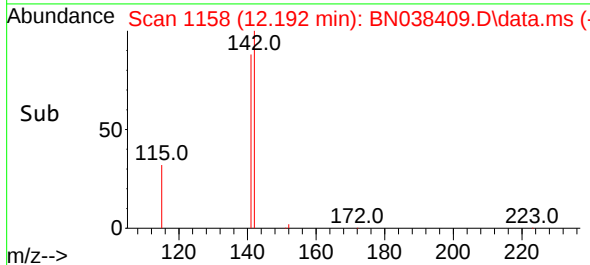
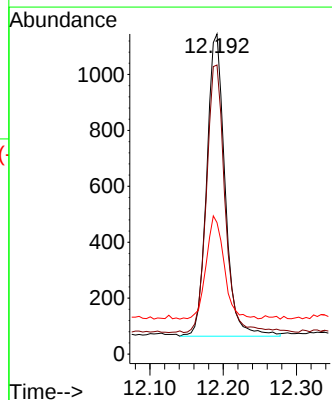
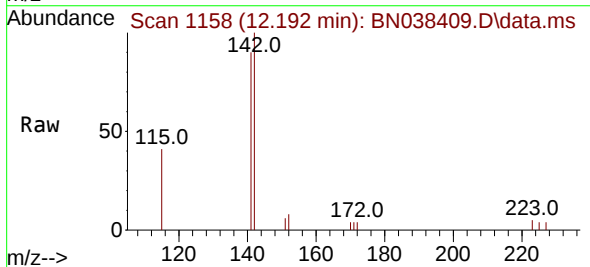
Instrument :
BNA_N
ClientSampleId :
C0AS1

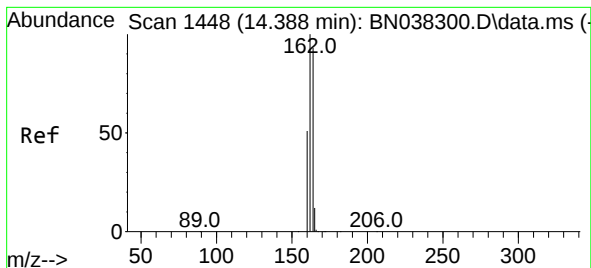
Tgt Ion:152 Resp: 3560
Ion Ratio Lower Upper
152 100
151 20.6 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.067 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.011 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

Tgt Ion:142 Resp: 1872
Ion Ratio Lower Upper
142 100
141 90.3 71.4 107.2
115 41.0 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: BN038409.D

Acq: 15 Dec 2025 17:44

Instrument :

BNA_N

ClientSampleId :

C0AS1

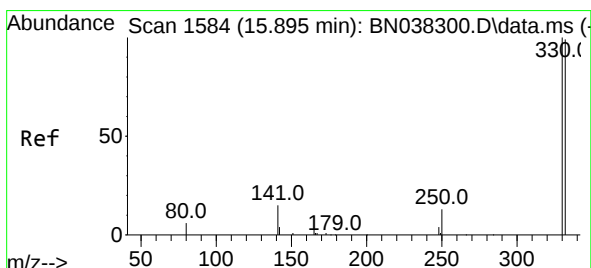
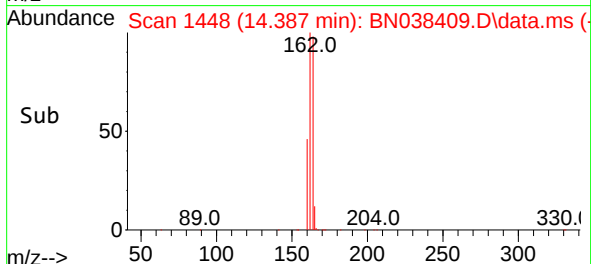
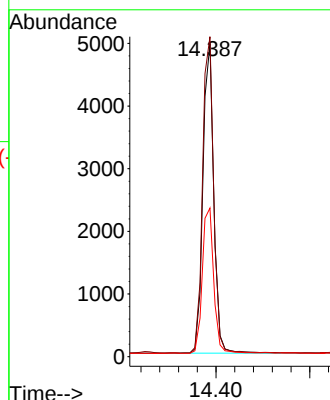
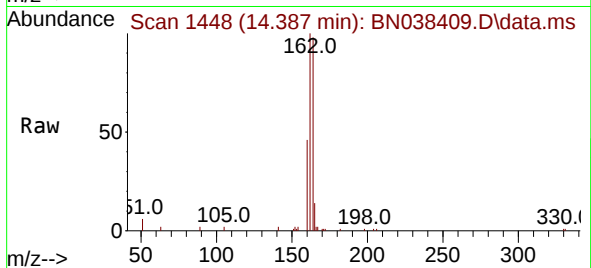
Tgt Ion:164 Resp: 7905

Ion Ratio Lower Upper

164 100

162 102.2 86.2 129.4

160 47.5 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.311 ng

RT: 15.882 min Scan# 1583

Delta R.T. -0.013 min

Lab File: BN038409.D

Acq: 15 Dec 2025 17:44

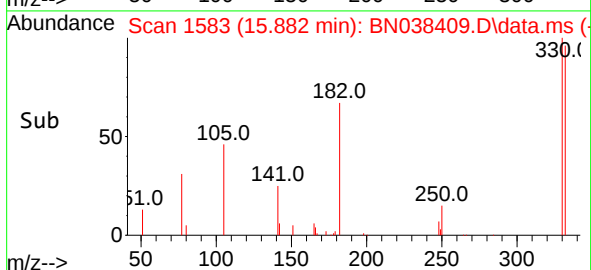
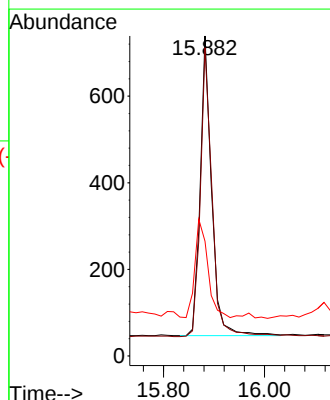
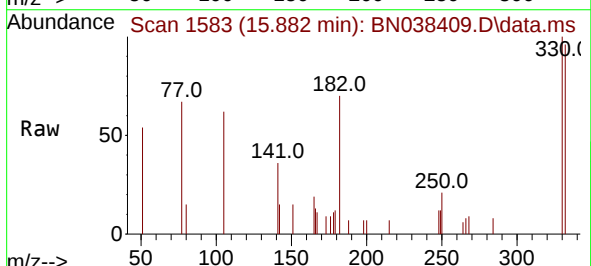
Tgt Ion:330 Resp: 1090

Ion Ratio Lower Upper

330 100

332 98.3 75.8 113.6

141 36.9 31.8 47.8

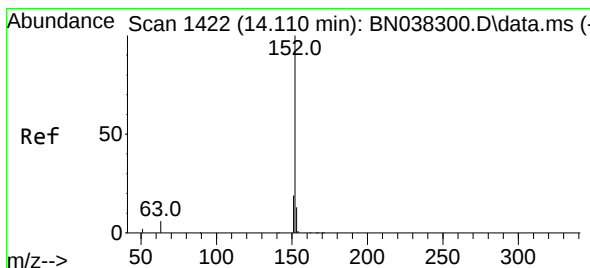
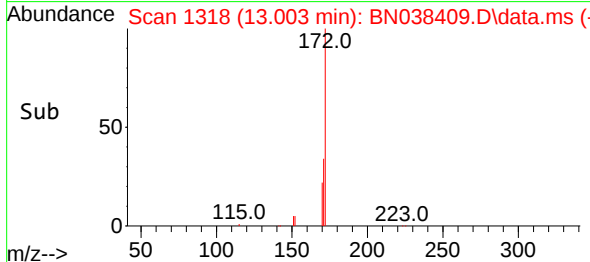
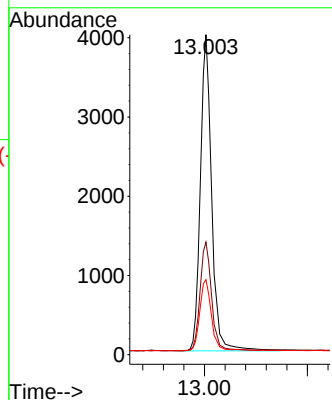
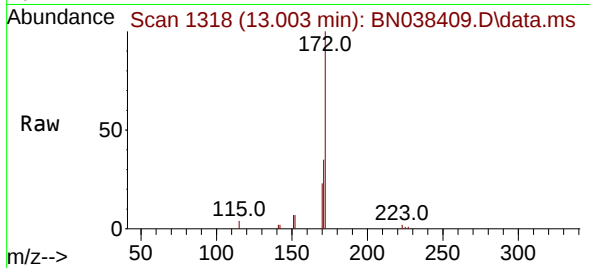




#15
2-Fluorobiphenyl
Concen: 0.209 ng
RT: 13.003 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

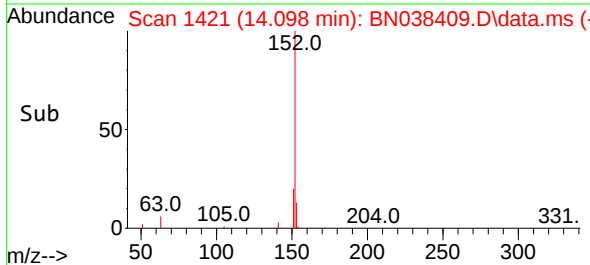
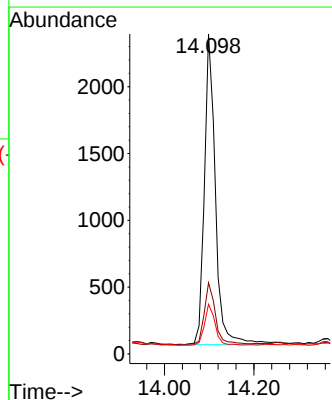
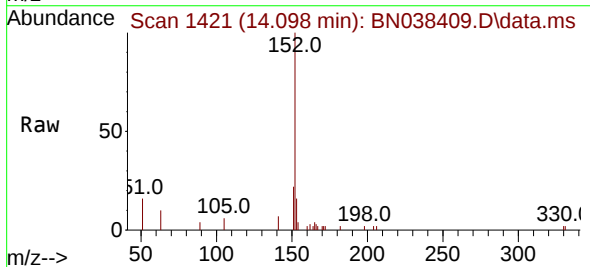
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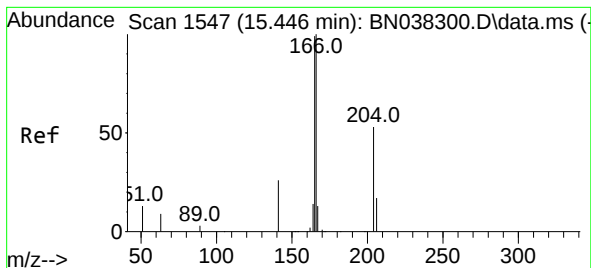
Tgt Ion:	172	Resp:	7959
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.6	42.8
170	23.5	19.3	28.9



#16
Acenaphthylene
Concen: 0.103 ng
RT: 14.098 min Scan# 1421
Delta R.T. -0.011 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

Tgt Ion:	152	Resp:	4009
Ion Ratio	Lower	Upper	
152	100		
151	20.9	15.4	23.2
153	12.7	10.2	15.4





#18

Fluorene

Concen: 0.026 ng

RT: 15.435 min Scan# 1

Delta R.T. -0.011 min

Lab File: BN038409.D

Acq: 15 Dec 2025 17:44

Instrument :

BNA_N

ClientSampleId :

C0AS1

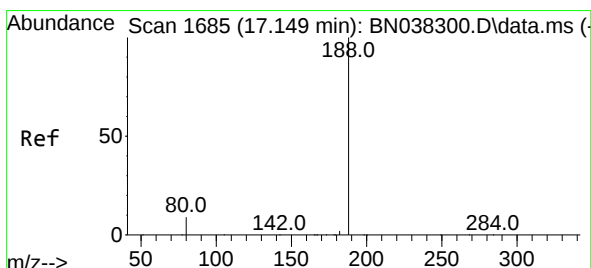
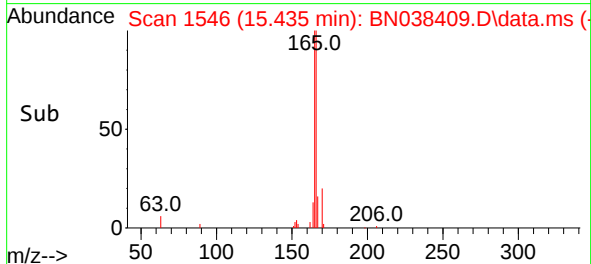
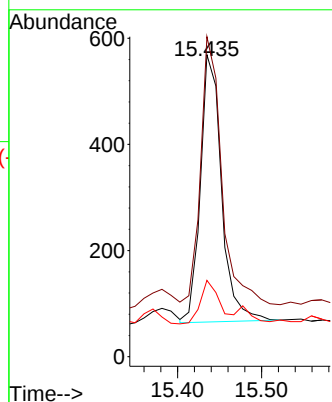
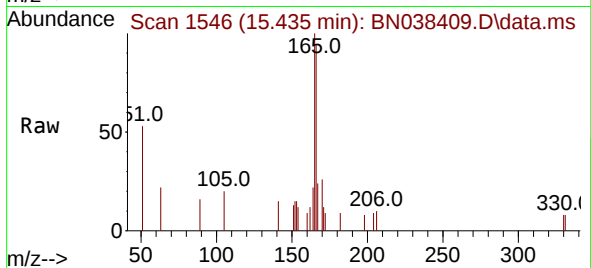
Tgt Ion:166 Resp: 893

Ion Ratio Lower Upper

166 100

165 101.2 80.2 120.4

167 14.8 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: BN038409.D

Acq: 15 Dec 2025 17:44

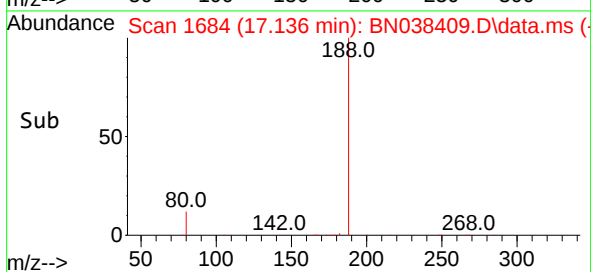
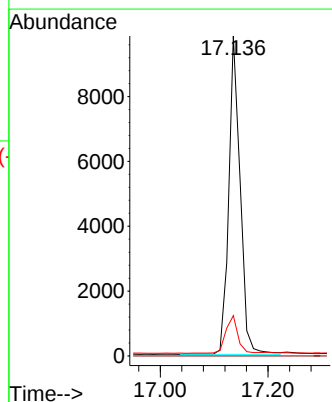
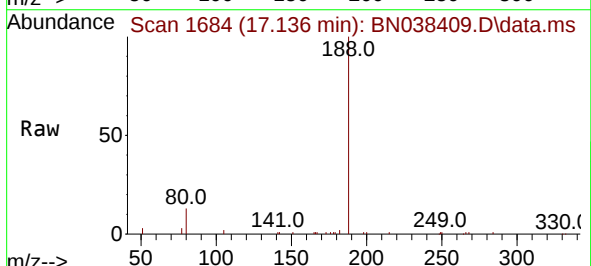
Tgt Ion:188 Resp: 14440

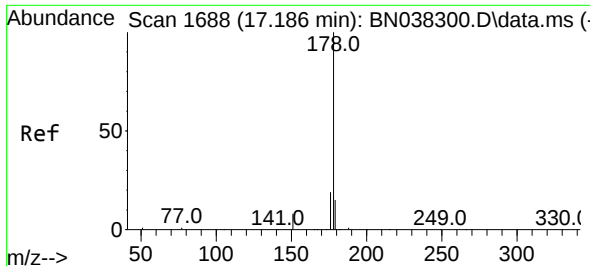
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.6 7.4 11.0#

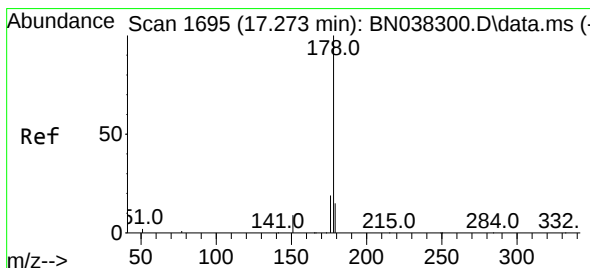
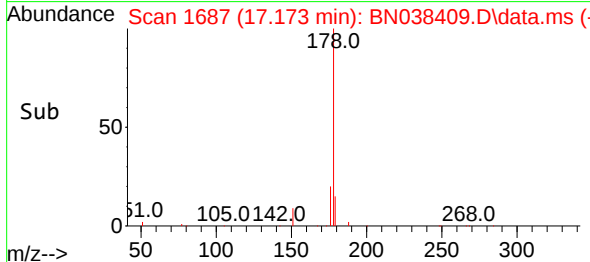
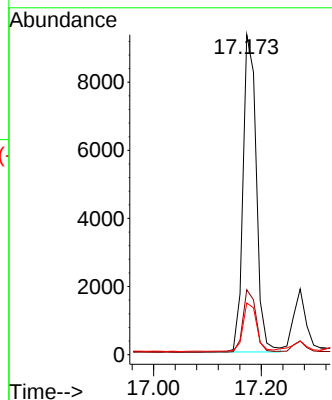
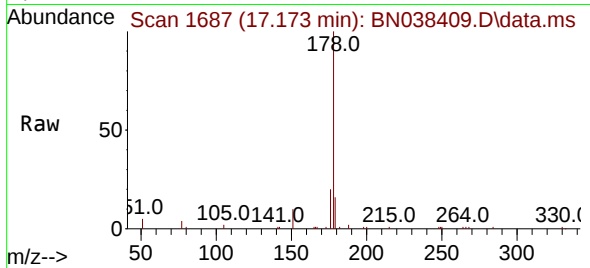




#25
Phenanthrene
Concen: 0.316 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.013 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

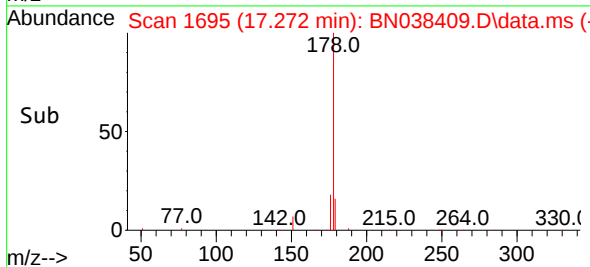
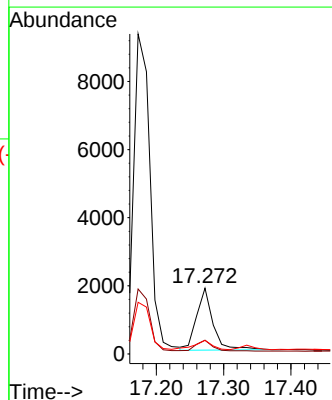
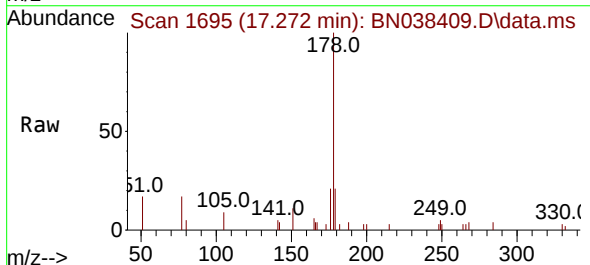
Instrument :
BNA_N
ClientSampleId :
C0AS1

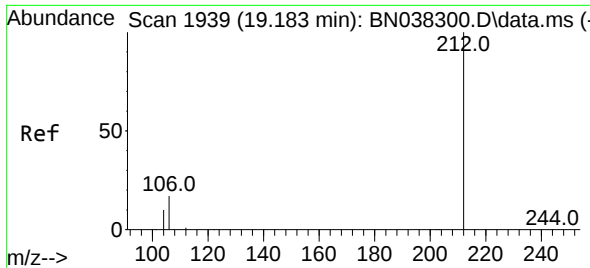
Tgt Ion:178 Resp: 15907
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.6 12.2 18.2



#26
Anthracene
Concen: 0.071 ng
RT: 17.272 min Scan# 1695
Delta R.T. -0.013 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

Tgt Ion:178 Resp: 3097
Ion Ratio Lower Upper
178 100
176 20.0 15.1 22.7
179 17.5 12.0 18.0

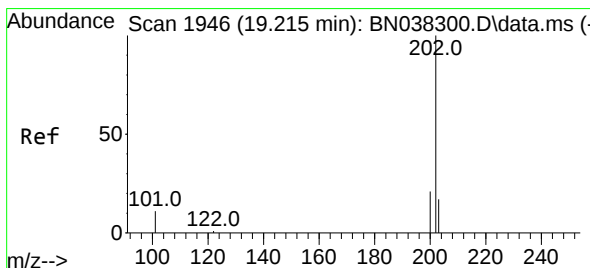
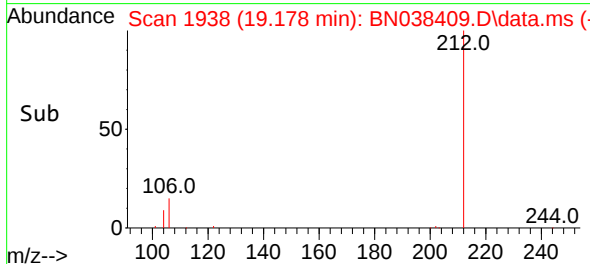
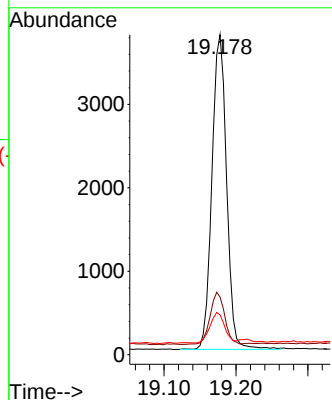
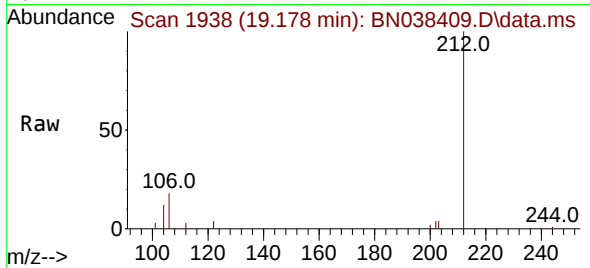




#27
Fluoranthene-d10
Concen: 0.149 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.010 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

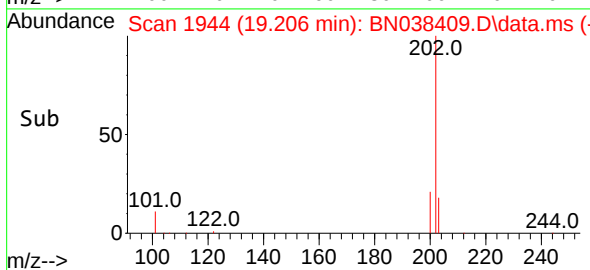
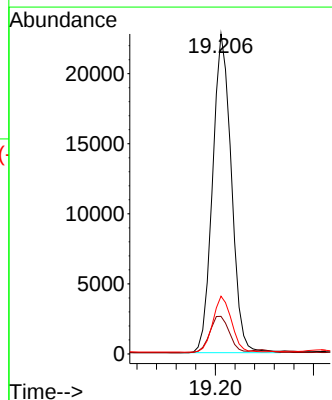
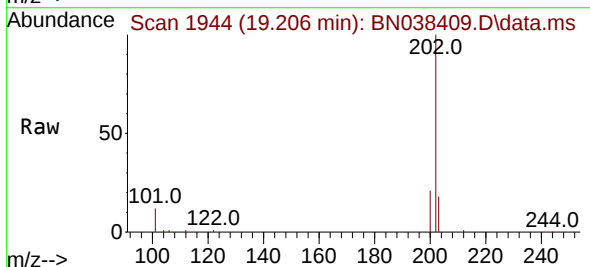
Instrument :
BNA_N
ClientSampleId :
C0AS1

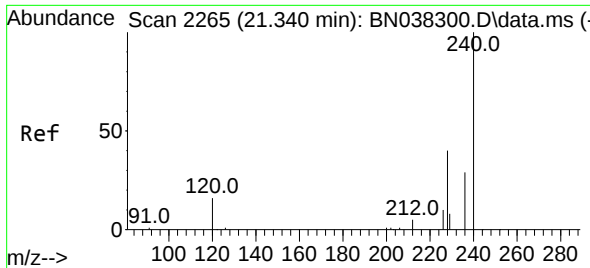
Tgt Ion:212 Resp: 5325
Ion Ratio Lower Upper
212 100
106 16.4 13.7 20.5
104 9.6 7.8 11.8



#28
Fluoranthene
Concen: 0.567 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

Tgt Ion:202 Resp: 30314
Ion Ratio Lower Upper
202 100
101 12.0 9.6 14.4
203 17.3 13.5 20.3

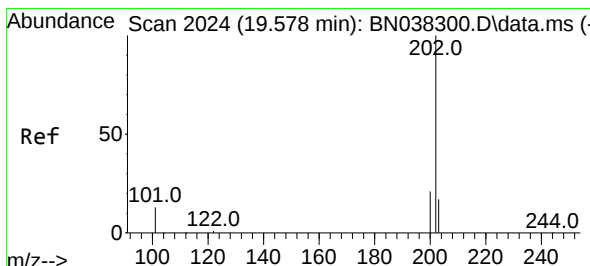
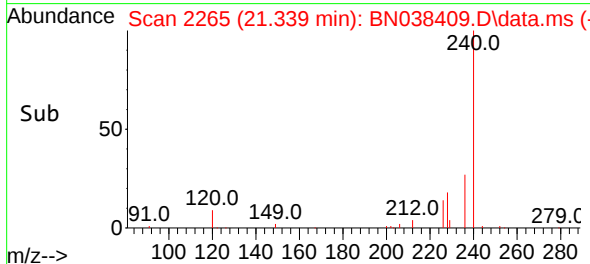
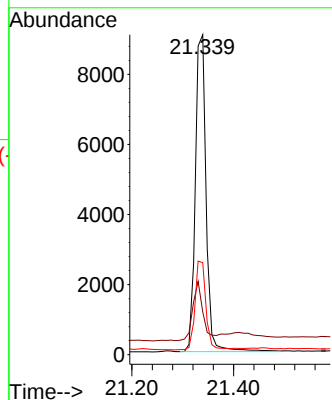
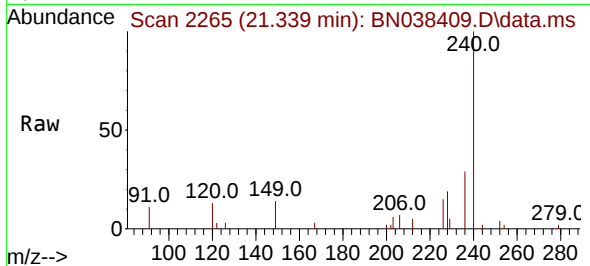




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

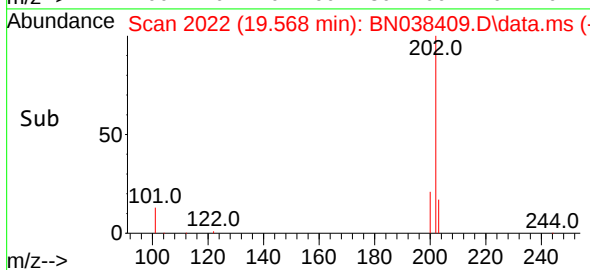
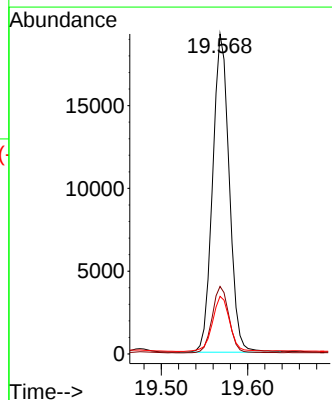
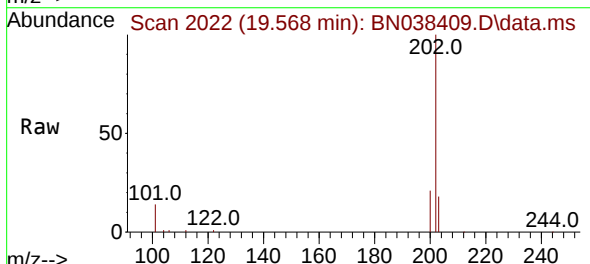
Instrument :
BNA_N
ClientSampleId :
C0AS1

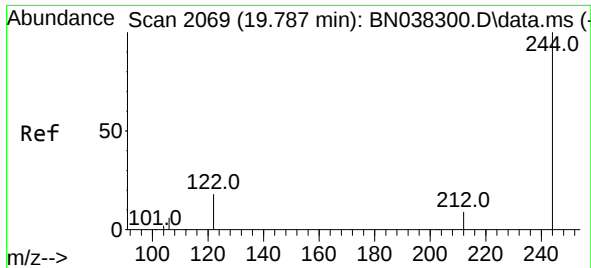
Tgt Ion:240 Resp: 13381
Ion Ratio Lower Upper
240 100
120 13.4 15.4 23.2#
236 28.7 23.9 35.9



#30
Pyrene
Concen: 0.392 ng
RT: 19.568 min Scan# 2022
Delta R.T. -0.014 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

Tgt Ion:202 Resp: 25794
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.9 14.2 21.2

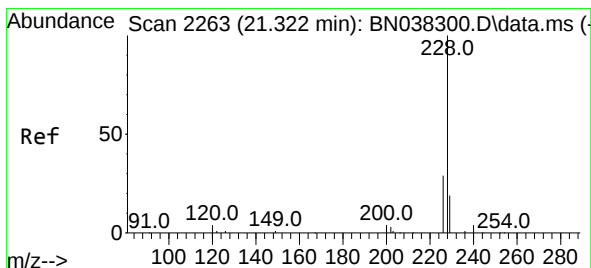
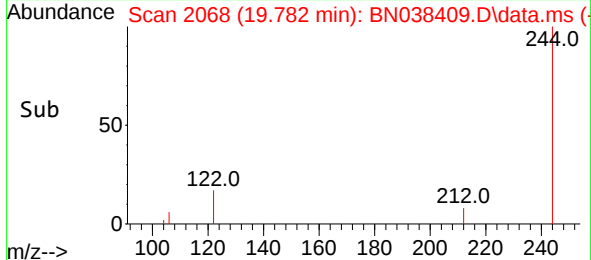
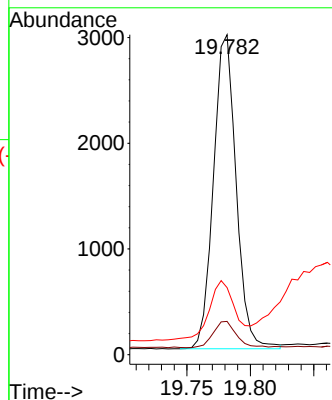
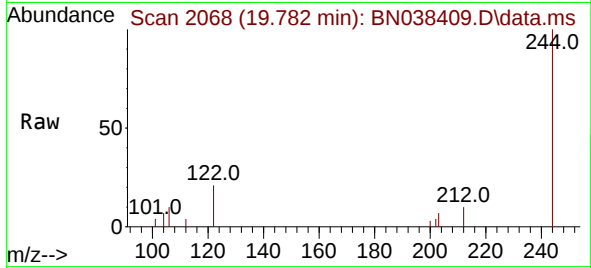




#31
 Terphenyl-d14
 Concen: 0.124 ng
 RT: 19.782 min Scan# 2068
 Delta R.T. -0.010 min
 Lab File: BN038409.D
 Acq: 15 Dec 2025 17:44

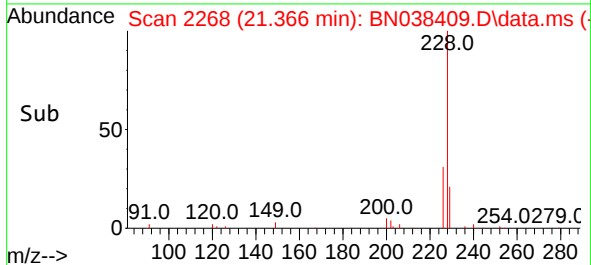
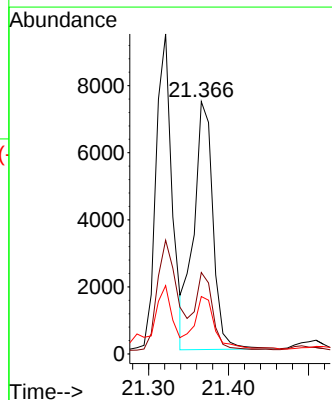
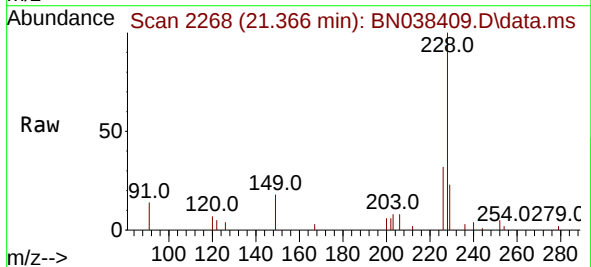
Instrument :
 BNA_N
 ClientSampleId :
 C0AS1

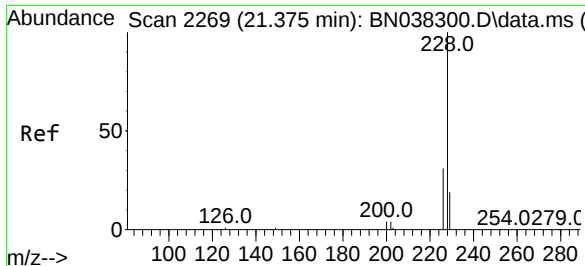
Tgt Ion:244 Resp: 3698
 Ion Ratio Lower Upper
 244 100
 212 10.4 7.9 11.9
 122 20.9 15.0 22.6



#32
 Benzo(a)anthracene
 Concen: 0.240 ng
 RT: 21.366 min Scan# 2268
 Delta R.T. 0.035 min
 Lab File: BN038409.D
 Acq: 15 Dec 2025 17:44

Tgt Ion:228 Resp: 12411
 Ion Ratio Lower Upper
 228 100
 226 32.3 23.3 34.9
 229 22.7 15.7 23.5





#33

Chrysene

Concen: 0.220 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038409.D

Acq: 15 Dec 2025 17:44

Instrument :

BNA_N

ClientSampleId :

C0AS1

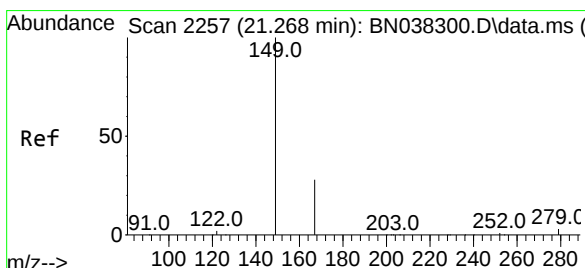
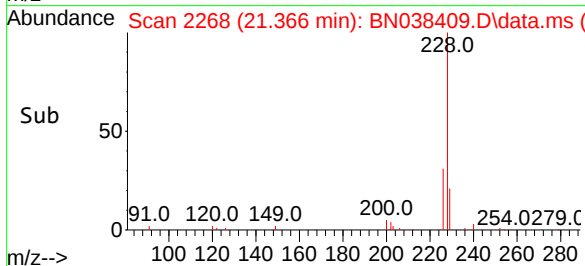
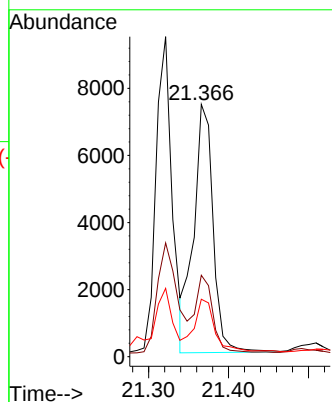
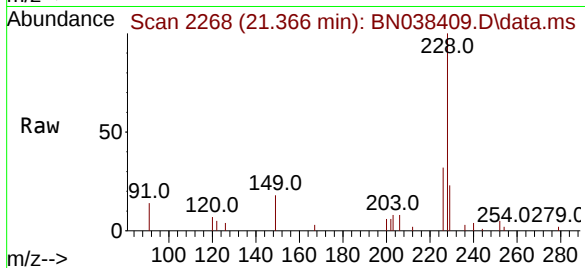
Tgt Ion:228 Resp: 12498

Ion Ratio Lower Upper

228 100

226 32.3 25.0 37.4

229 22.7 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.311 ng

RT: 21.259 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN038409.D

Acq: 15 Dec 2025 17:44

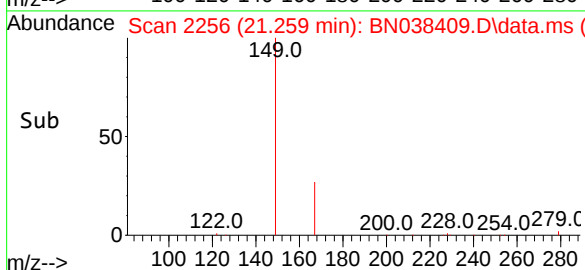
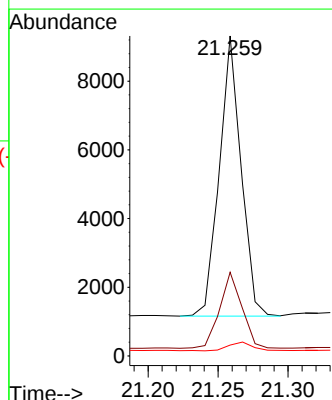
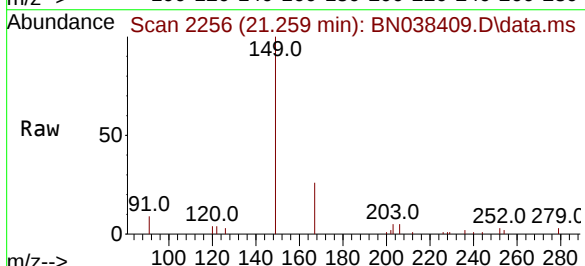
Tgt Ion:149 Resp: 8812

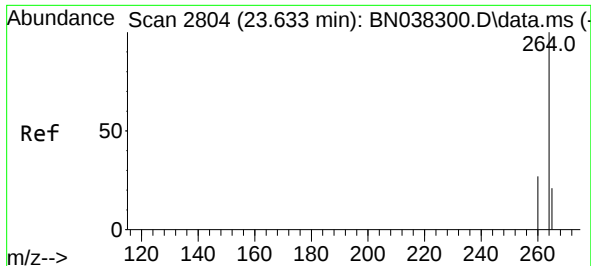
Ion Ratio Lower Upper

149 100

167 27.6 21.4 32.0

279 3.6 2.4 3.6

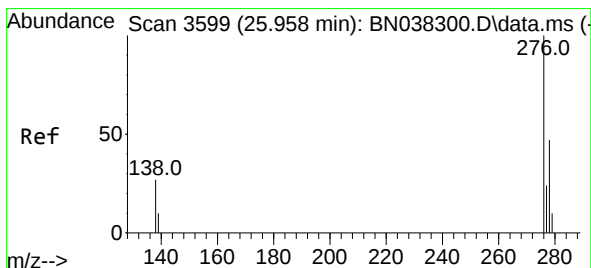
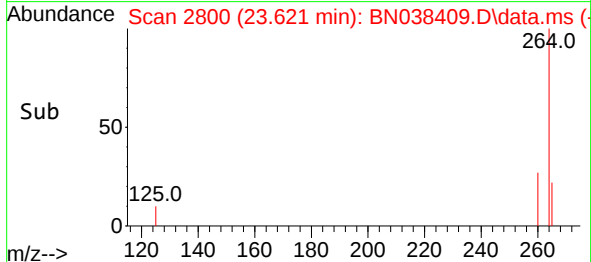
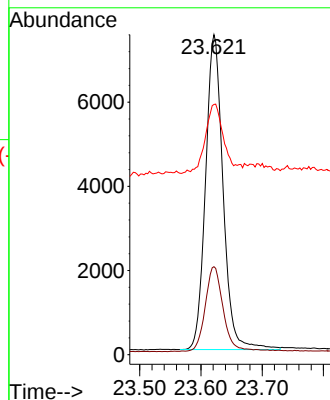
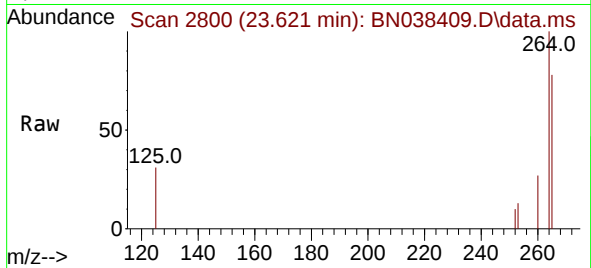




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.621 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

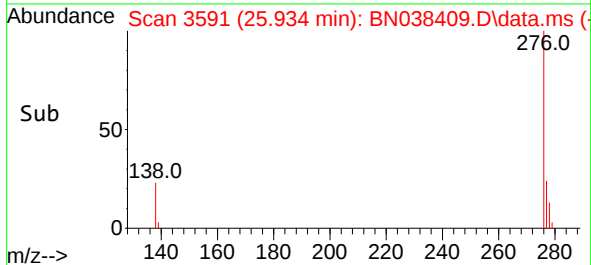
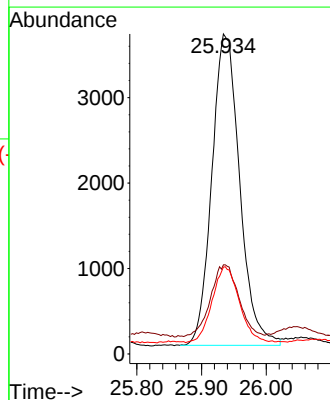
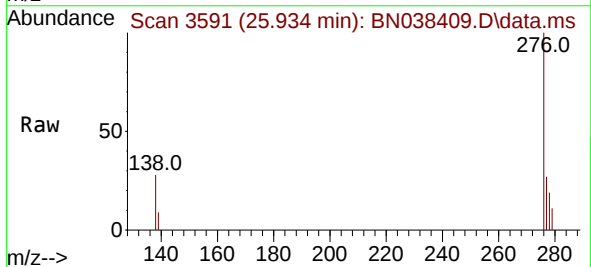
Instrument :
BNA_N
ClientSampleId :
C0AS1

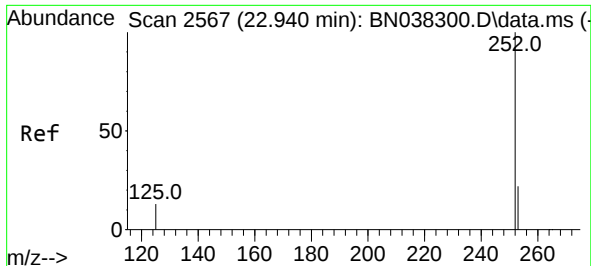
Tgt Ion:264 Resp: 14860
Ion Ratio Lower Upper
264 100
260 27.5 22.2 33.2
265 78.2 80.2 120.2#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.138 ng
RT: 25.934 min Scan# 3591
Delta R.T. -0.030 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

Tgt Ion:276 Resp: 10875
Ion Ratio Lower Upper
276 100
138 23.4 23.6 35.4#
277 23.7 19.7 29.5

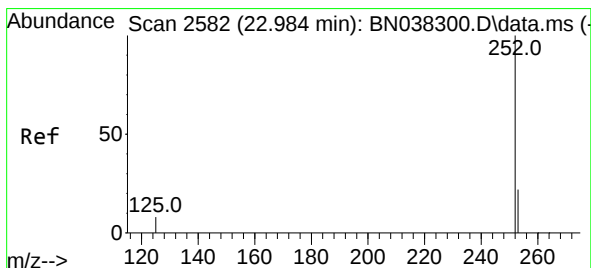
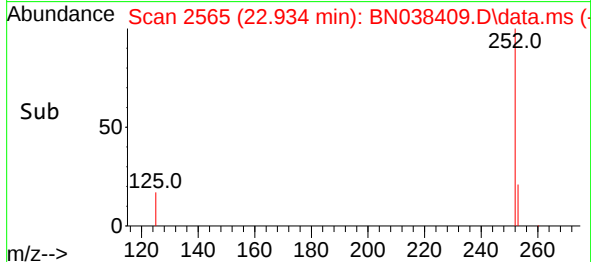
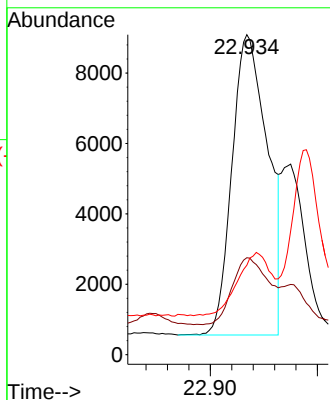
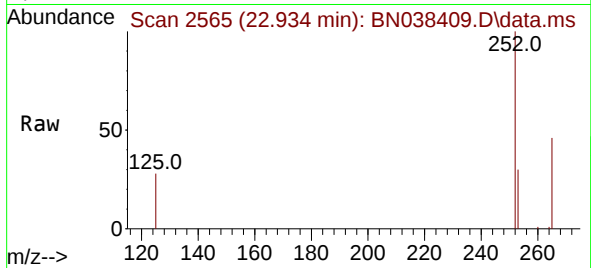




#37
Benzo(b)fluoranthene
Concen: 0.288 ng
RT: 22.934 min Scan# 2565
Delta R.T. -0.012 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

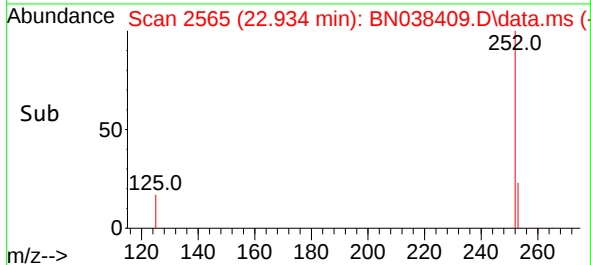
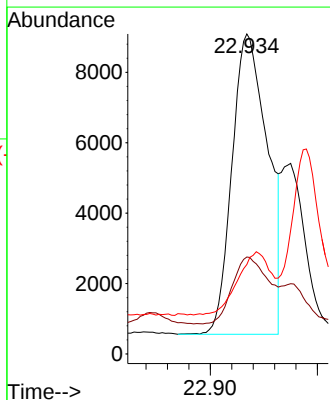
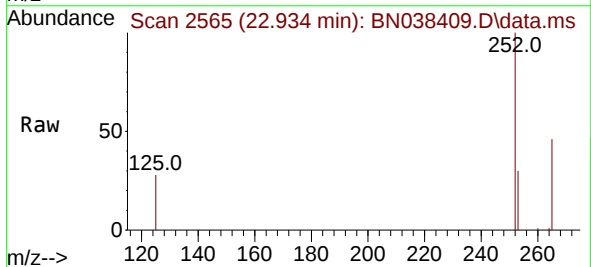
Instrument :
BNA_N
ClientSampleId :
C0AS1

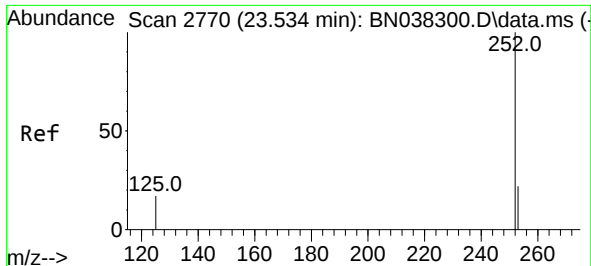
Tgt Ion:252 Resp: 19677
Ion Ratio Lower Upper
252 100
253 30.3 21.1 31.7
125 28.0 16.4 24.6#



#38
Benzo(k)fluoranthene
Concen: 0.289 ng
RT: 22.934 min Scan# 2565
Delta R.T. -0.056 min
Lab File: BN038409.D
Acq: 15 Dec 2025 17:44

Tgt Ion:252 Resp: 19677
Ion Ratio Lower Upper
252 100
253 30.3 21.4 32.0
125 28.0 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 0.243 ng

RT: 23.519 min Scan# 21

Delta R.T. -0.015 min

Lab File: BN038409.D

Acq: 15 Dec 2025 17:44

Instrument :

BNA_N

ClientSampleId :

C0AS1

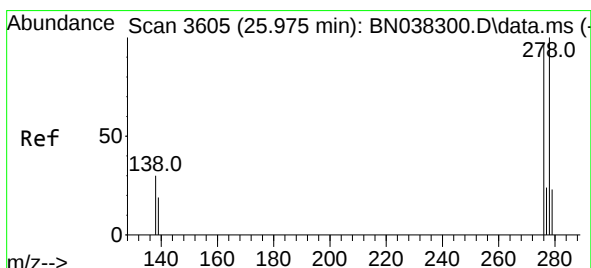
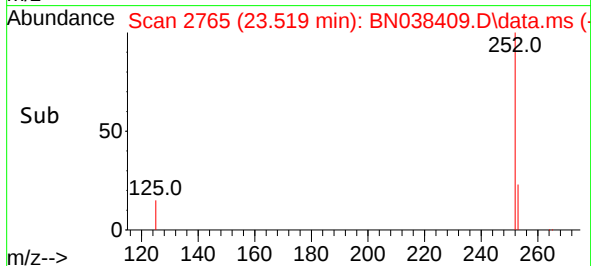
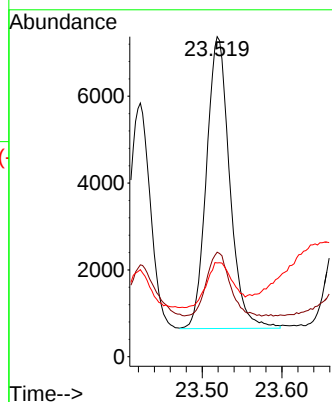
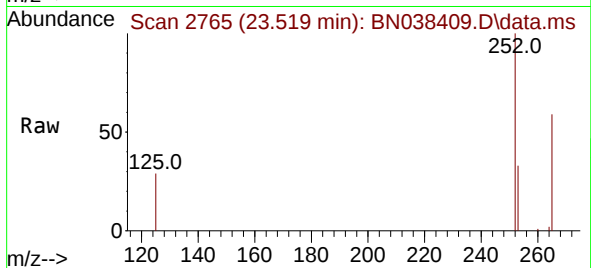
Tgt Ion:252 Resp: 13560

Ion Ratio Lower Upper

252 100

253 32.6 23.3 34.9

125 29.3 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.038 ng

RT: 25.945 min Scan# 3595

Delta R.T. -0.035 min

Lab File: BN038409.D

Acq: 15 Dec 2025 17:44

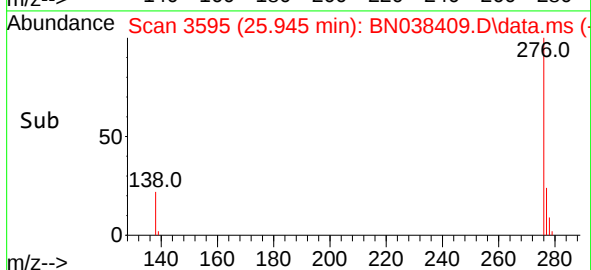
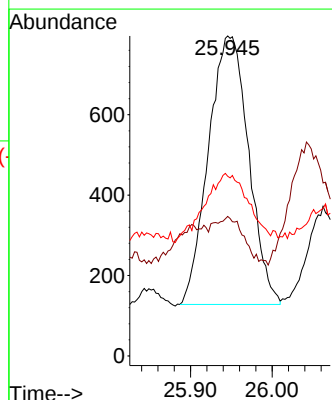
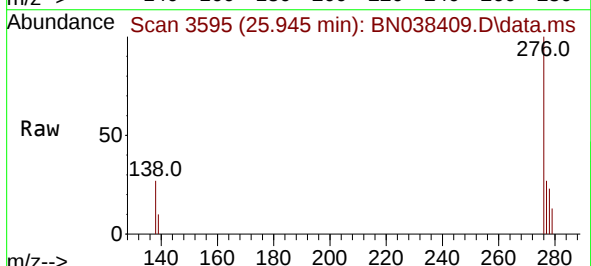
Tgt Ion:278 Resp: 2286

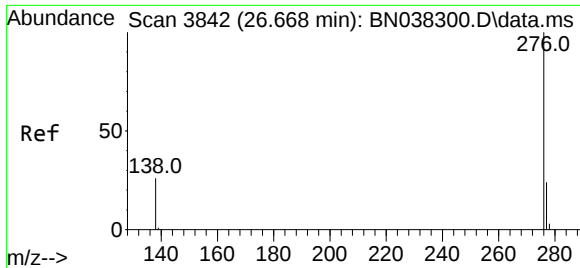
Ion Ratio Lower Upper

278 100

139 43.6 17.8 26.8#

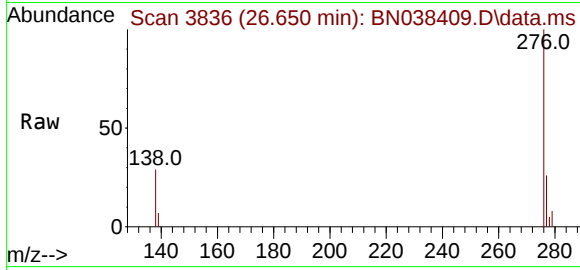
279 56.2 21.3 31.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.163 ng
 RT: 26.650 min Scan# 3842
 Delta R.T. -0.027 min
 Lab File: BN038409.D
 Acq: 15 Dec 2025 17:44

Instrument :
 BNA_N
 ClientSampleId :
 C0AS1



Tgt Ion:	276	Resp:	11066
Ion Ratio	Lower	Upper	
276	100		
277	26.1	20.0	30.0
138	29.2	21.8	32.6

