

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038370.D
 Acq On : 13 Dec 2025 03:40
 Operator : RC/JU
 Sample : Q3839-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN4

Quant Time: Dec 13 06:06:57 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

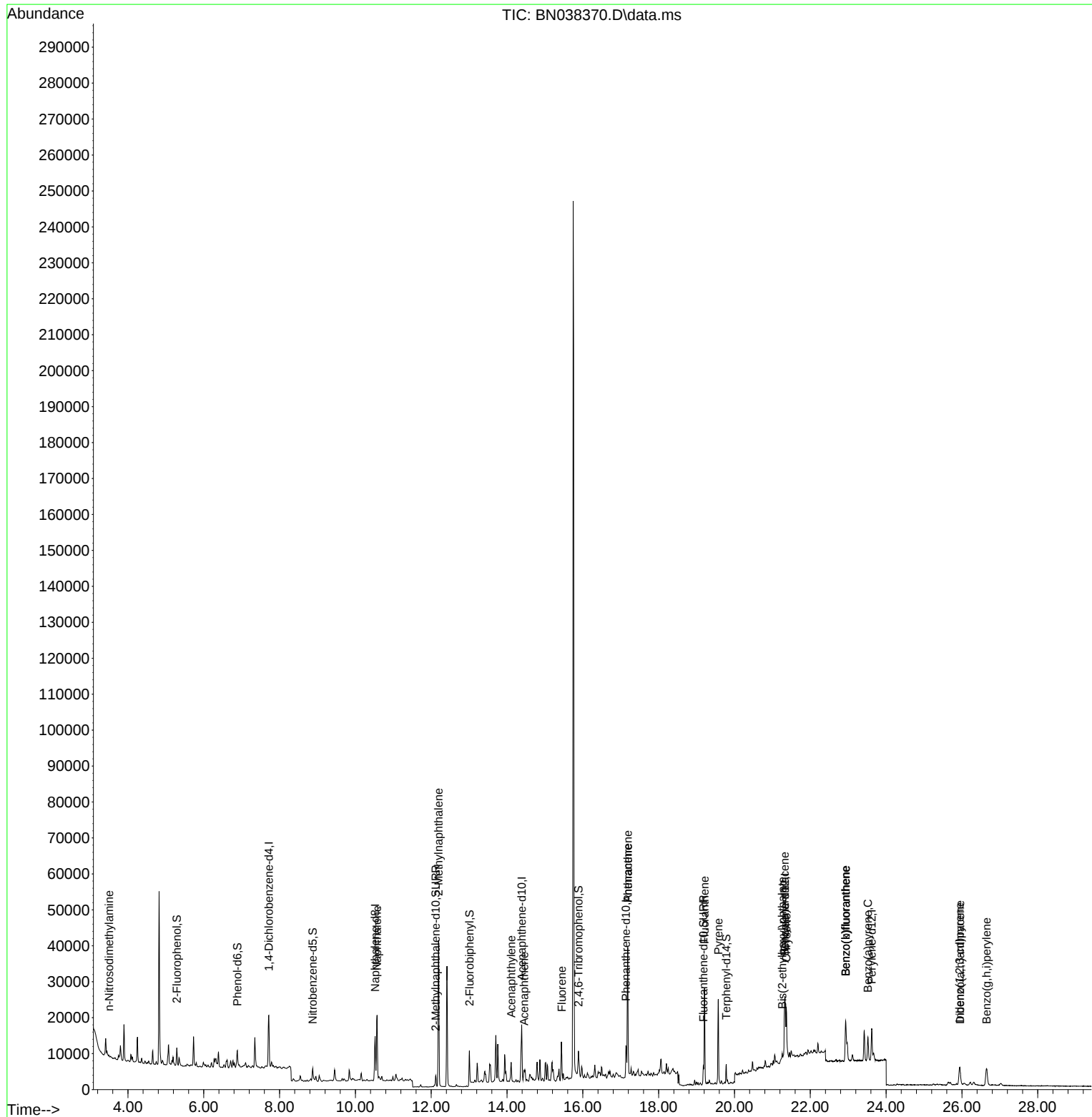
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5608	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	15052	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7699	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13110	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	11207	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	12315	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	3320	0.238	ng	0.00
5) Phenol-d6	6.887	99	3644	0.219	ng	0.00
8) Nitrobenzene-d5	8.875	82	2864	0.226	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	4290	0.202	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	957	0.280	ng	-0.01
15) 2-Fluorobiphenyl	13.009	172	8843	0.238	ng	0.00
27) Fluoranthene-d10	19.178	212	5451	0.168	ng	0.00
31) Terphenyl-d14	19.782	244	4791	0.192	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.507	42	261	0.032	ng	# 2
9) Naphthalene	10.573	128	25531	0.574	ng	99
12) 2-Methylnaphthalene	12.192	142	29907	1.059	ng	99
16) Acenaphthylene	14.110	152	1515	0.040	ng	# 50
17) Acenaphthene	14.452	154	1045	0.040	ng	# 63
18) Fluorene	15.446	166	2800	0.083	ng	# 78
25) Phenanthrene	17.186	178	38211	0.837	ng	99
26) Anthracene	17.186	178	38091	0.968	ng	99
28) Fluoranthene	19.211	202	23823	0.491	ng	97
30) Pyrene	19.573	202	21203	0.384	ng	96
32) Benzo(a)anthracene	21.322	228	12315	0.284	ng	# 91
33) Chrysene	21.366	228	15693	0.329	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.259	149	1982	0.083	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.943	276	8148	0.125	ng	96
37) Benzo(b)fluoranthene	22.932	252	17240	0.305	ng	# 83
38) Benzo(k)fluoranthene	22.932	252	17240	0.306	ng	# 83
39) Benzo(a)pyrene	23.519	252	9572	0.207	ng	# 78
40) Dibenzo(a,h)anthracene	25.949	278	2268	0.045	ng	# 29
41) Benzo(g,h,i)perylene	26.648	276	10346	0.184	ng	93

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

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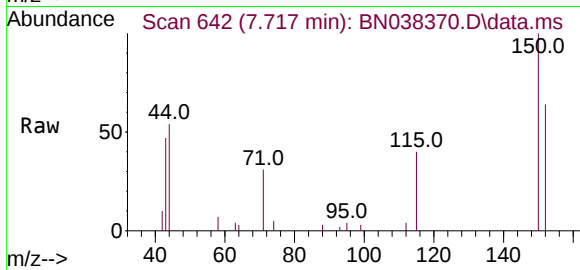
Quant Time: Dec 13 06:06:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
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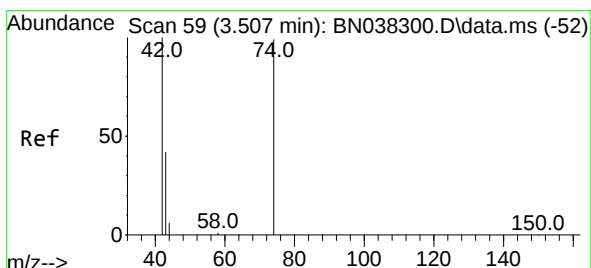
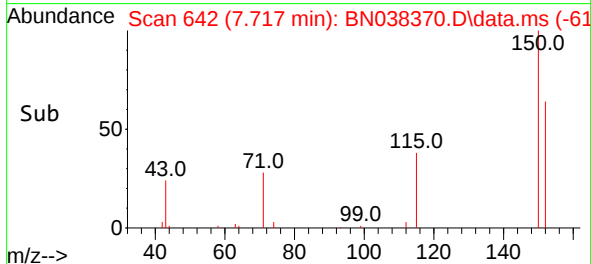
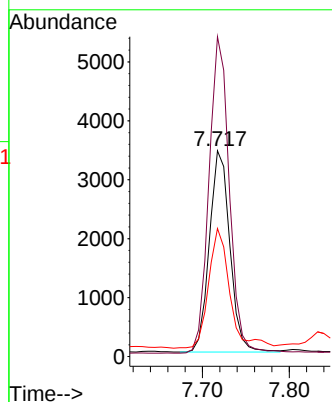
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN038370.D
 Acq: 13 Dec 2025 03:40

Instrument :
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 ClientSampleId :
 COAN4



Tgt Ion:152 Resp: 5608

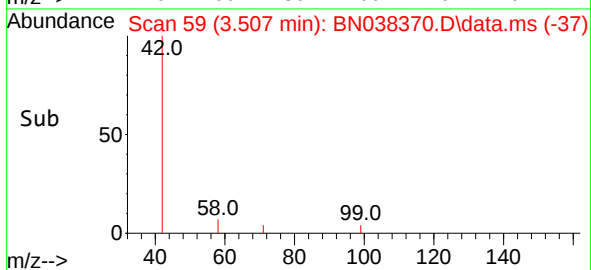
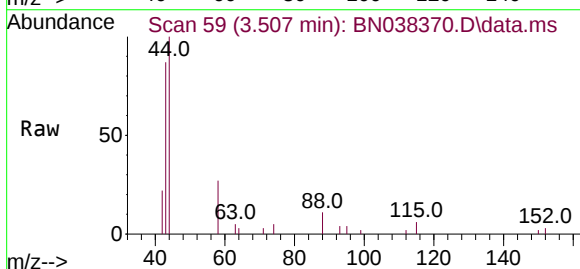
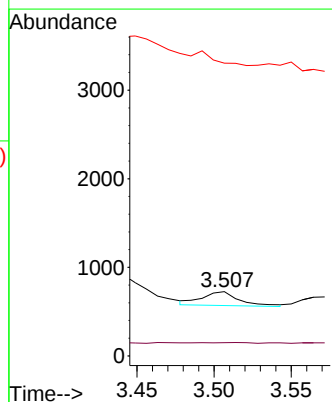
Ion	Ratio	Lower	Upper
152	100		
150	155.5	122.4	183.6
115	62.3	47.3	70.9

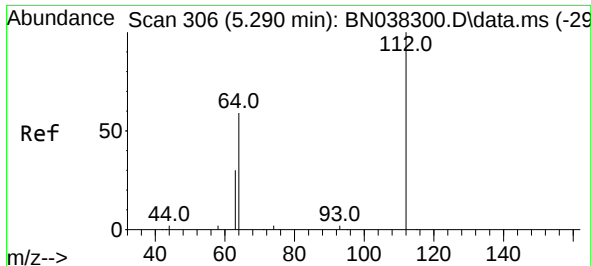


#3
 n-Nitrosodimethylamine
 Concen: 0.032 ng
 RT: 3.507 min Scan# 59
 Delta R.T. 0.007 min
 Lab File: BN038370.D
 Acq: 13 Dec 2025 03:40

Tgt Ion: 42 Resp: 261

Ion	Ratio	Lower	Upper
42	100		
74	4.6	95.3	142.9#
44	0.0	7.9	11.9#

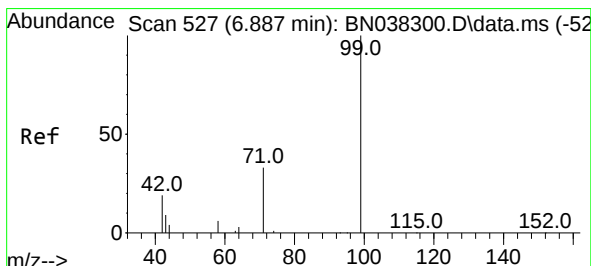
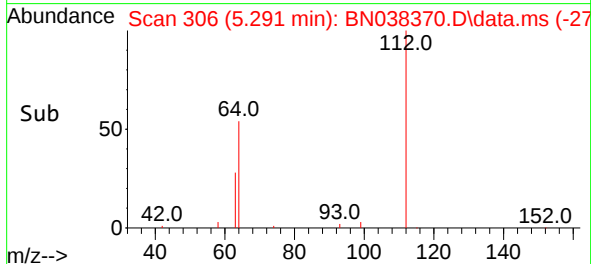
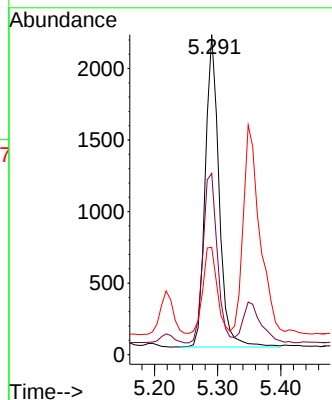
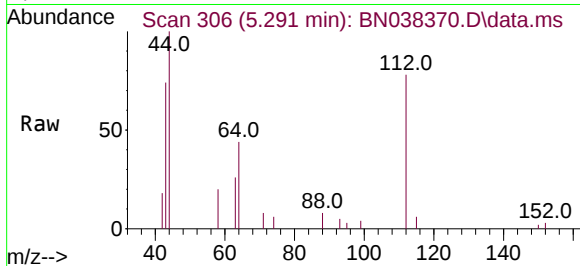




#4
2-Fluorophenol
Concen: 0.238 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

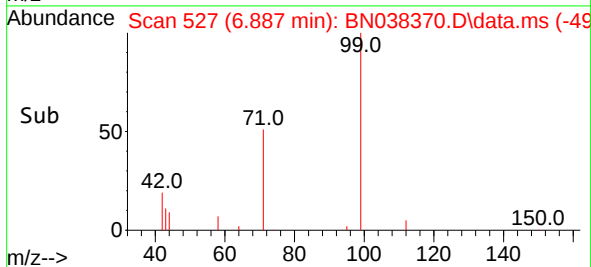
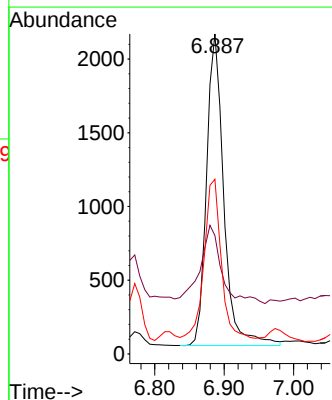
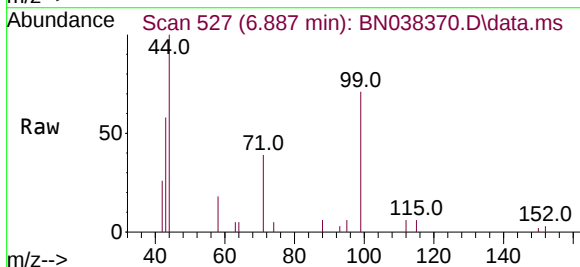
Instrument :
BNA_N
ClientSampleId :
COAN4

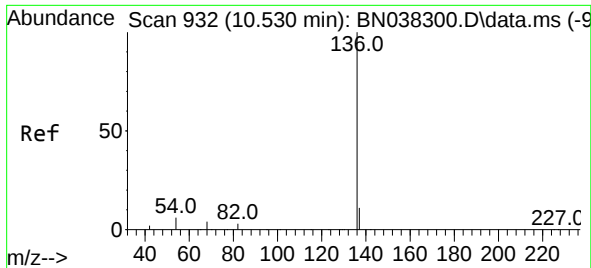
Tgt Ion:112 Resp: 3320
Ion Ratio Lower Upper
112 100
64 56.1 44.4 66.6
63 28.9 23.4 35.0



#5
Phenol-d6
Concen: 0.219 ng
RT: 6.887 min Scan# 527
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

Tgt Ion: 99 Resp: 3644
Ion Ratio Lower Upper
99 100
42 31.4 16.5 24.7#
71 52.9 24.9 37.3#

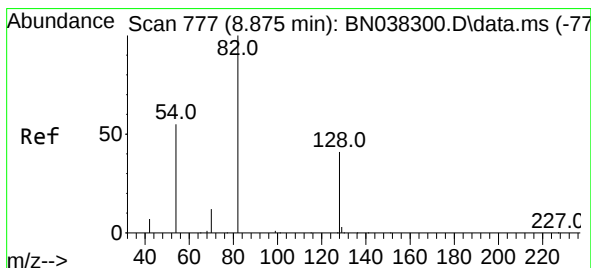
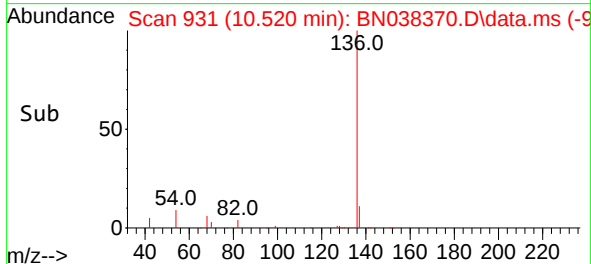
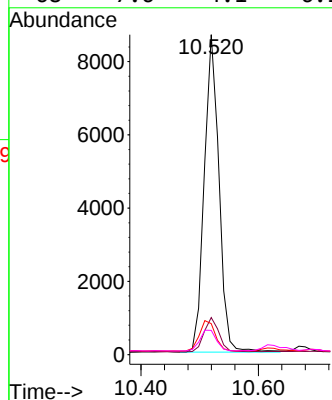
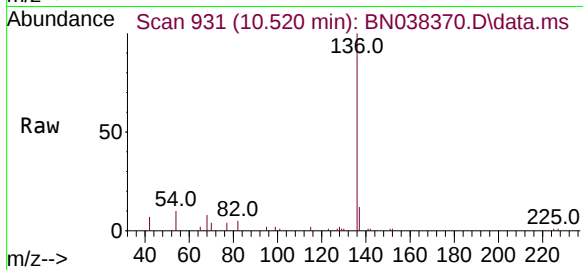




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

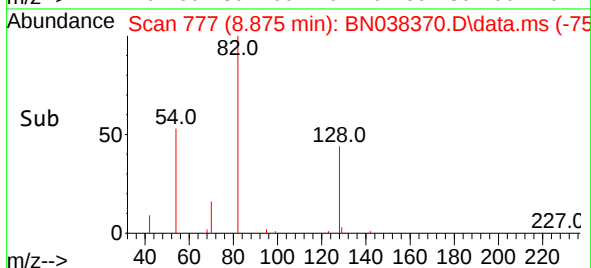
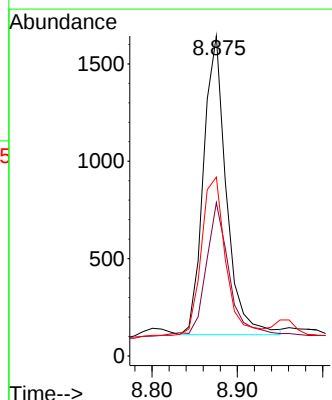
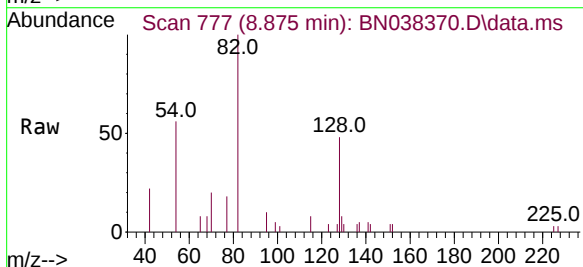
Instrument :
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ClientSampleId :
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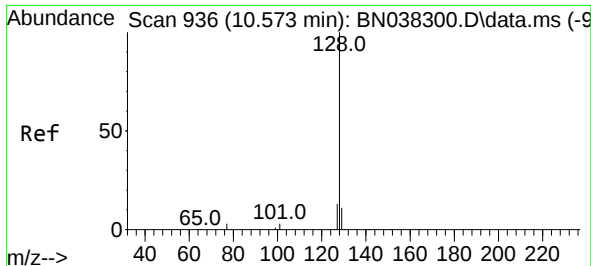
Tgt Ion:136	Resp:	15052
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.1 13.7
54	9.7	5.2 7.8#
68	7.6	4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.226 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

Tgt Ion: 82	Resp:	2864
Ion Ratio	Lower	Upper
82	100	
128	47.9	34.0 51.0
54	55.9	44.4 66.6

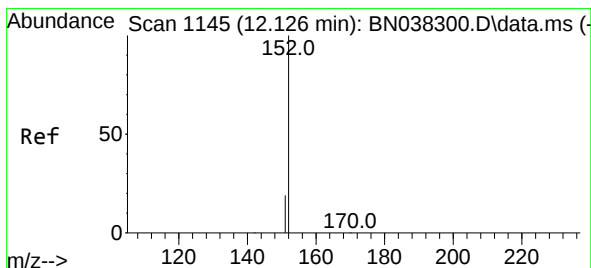
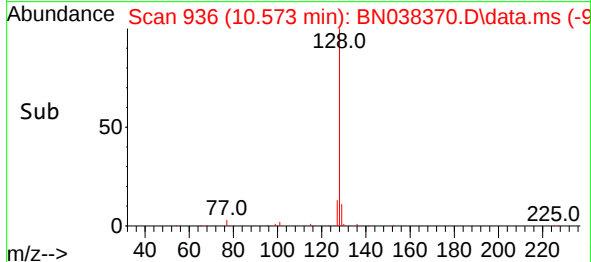
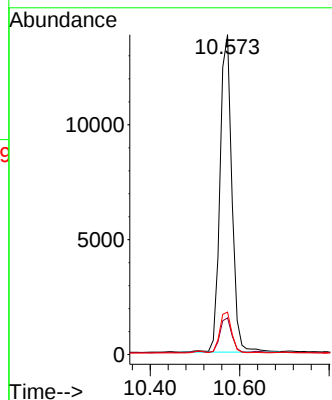
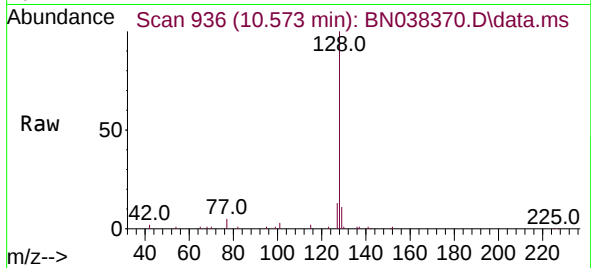




#9
Naphthalene
Concen: 0.574 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

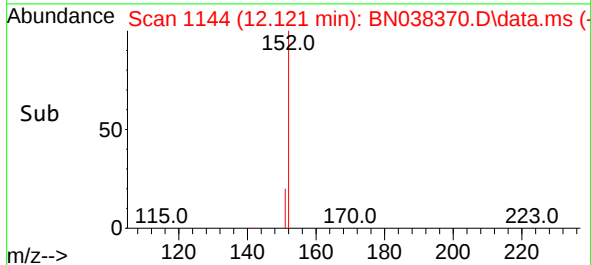
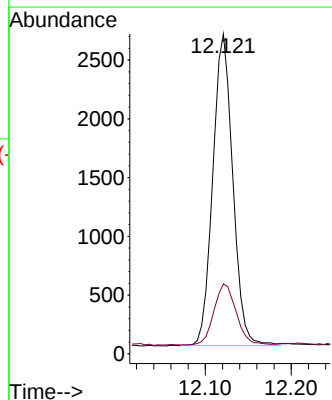
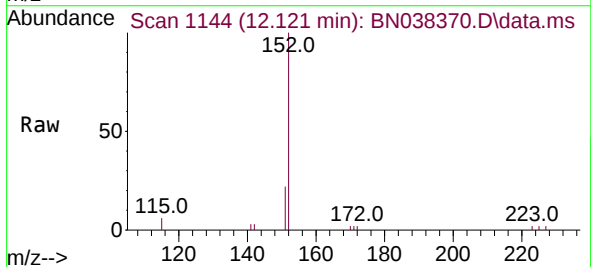
Instrument :
BNA_N
ClientSampleId :
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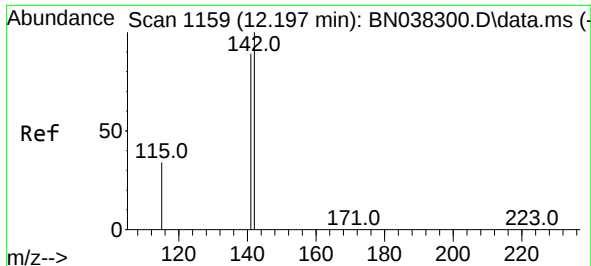
Tgt Ion:128 Resp: 25531
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.3 10.9 16.3



#11
2-Methylnaphthalene-d10
Concen: 0.202 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

Tgt Ion:152 Resp: 4290
Ion Ratio Lower Upper
152 100
151 21.7 17.0 25.6

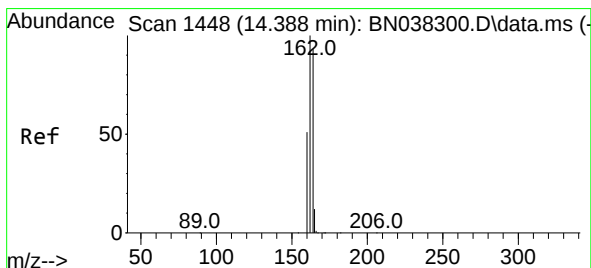
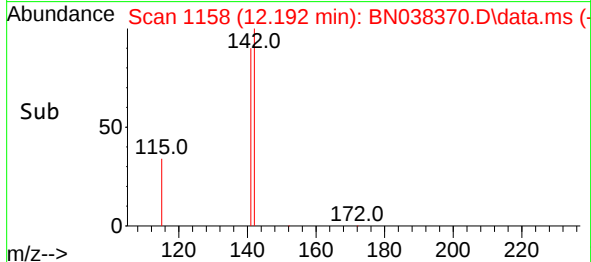
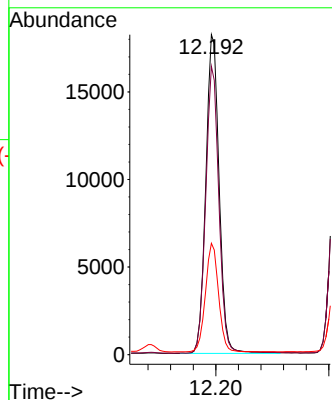
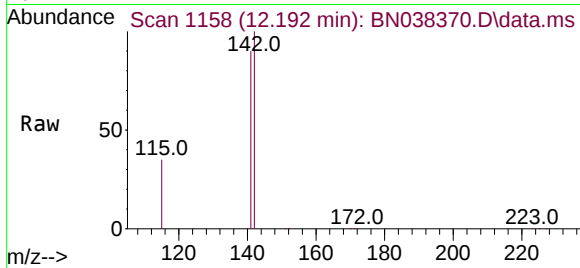




#12
2-Methylnaphthalene
Concen: 1.059 ng
RT: 12.192 min Scan# 1159
Delta R.T. -0.010 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

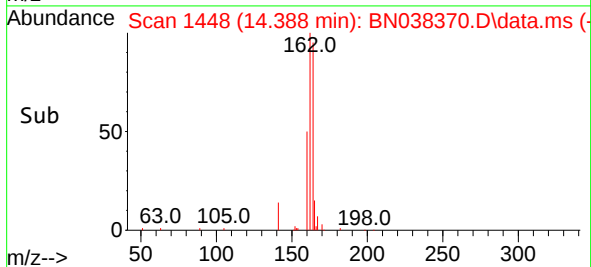
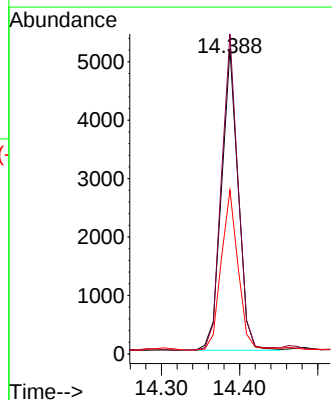
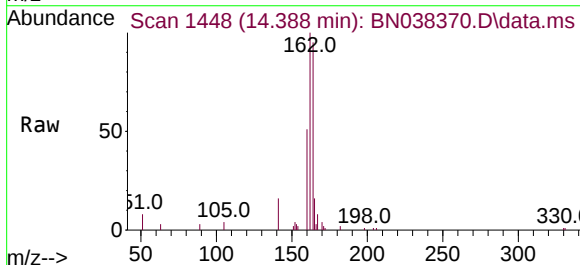
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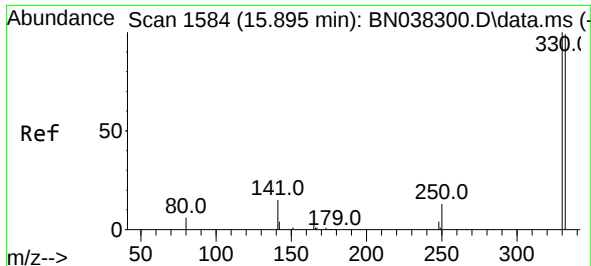
Tgt Ion:142 Resp: 29907
Ion Ratio Lower Upper
142 100
141 90.1 71.4 107.2
115 34.8 28.4 42.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

Tgt Ion:164 Resp: 7699
Ion Ratio Lower Upper
164 100
162 104.8 86.2 129.4
160 53.6 44.6 67.0

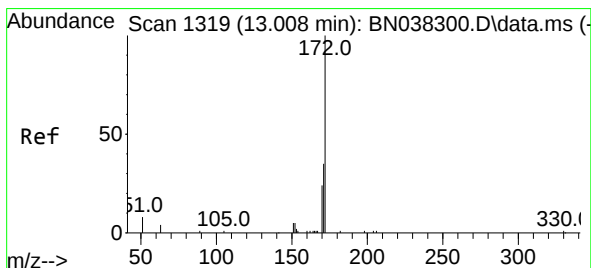
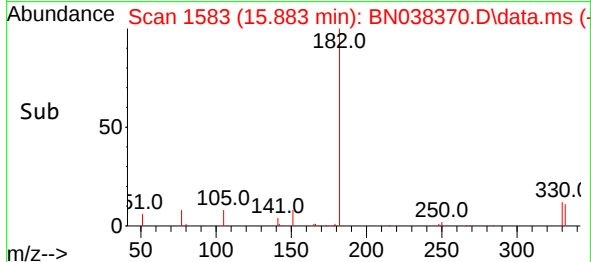
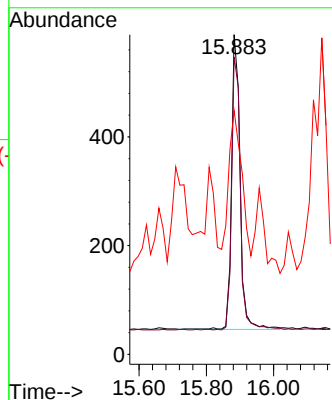
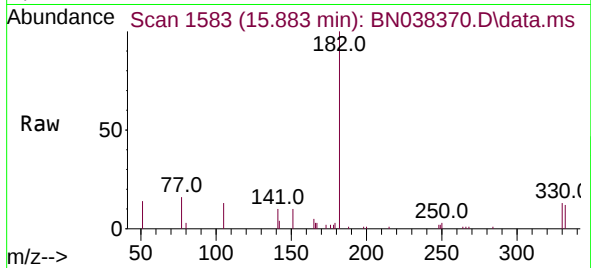




#14
2,4,6-Tribromophenol
Concen: 0.280 ng
RT: 15.883 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

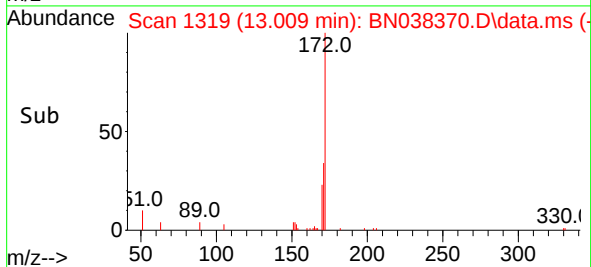
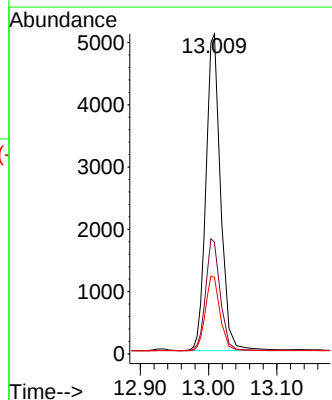
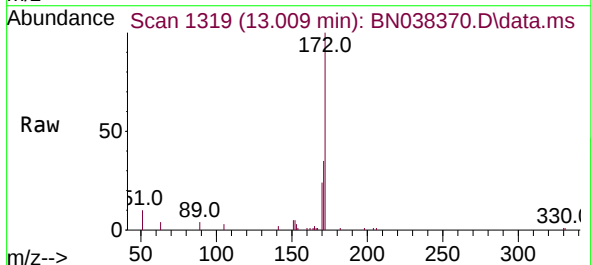
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BNA_N
ClientSampleId :
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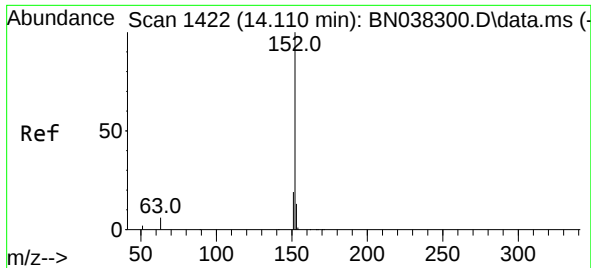
Tgt Ion:330 Resp: 957
Ion Ratio Lower Upper
330 100
332 95.0 75.8 113.6
141 77.0 31.8 47.8#



#15
2-Fluorobiphenyl
Concen: 0.238 ng
RT: 13.009 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

Tgt Ion:172 Resp: 8843
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.9 19.3 28.9

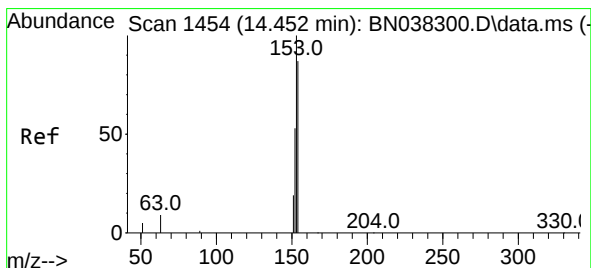
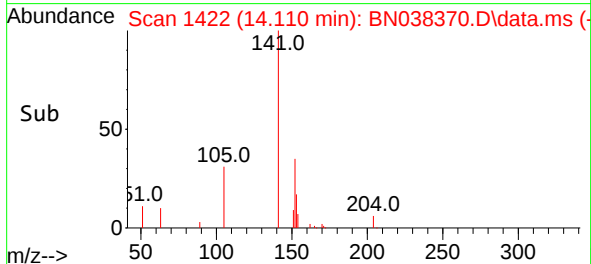
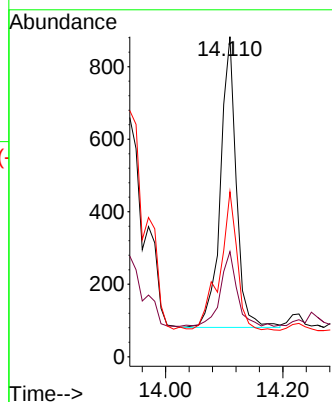
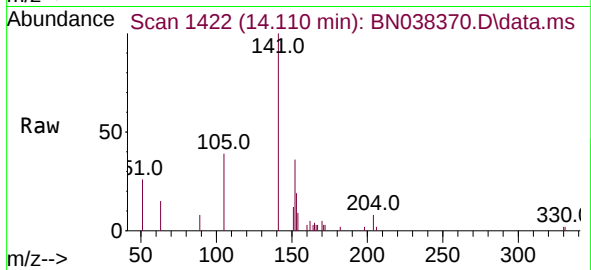




#16
Acenaphthylene
Concen: 0.040 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

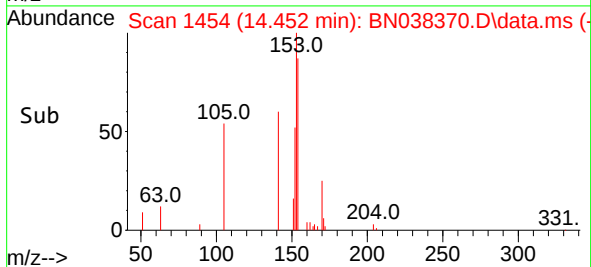
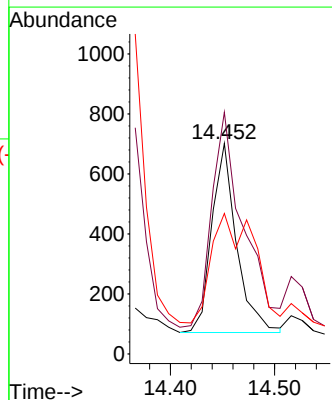
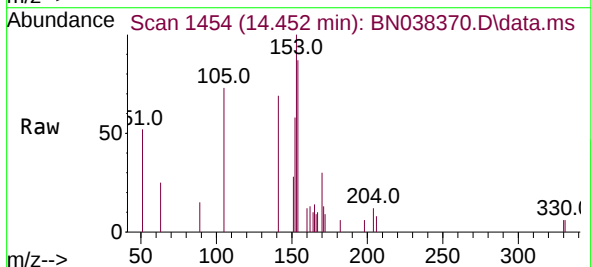
Instrument :
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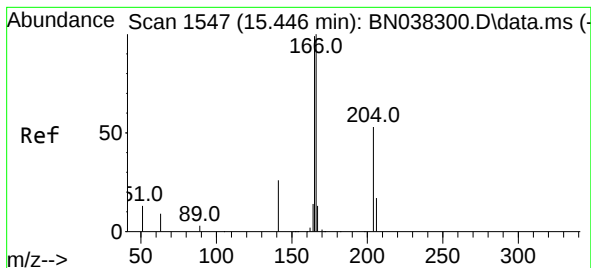
Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.9	15.4	23.2#
153	52.6	10.2	15.4#



#17
Acenaphthene
Concen: 0.040 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	143.8	89.8	134.8#
152	98.5	47.5	71.3#





#18

Fluorene

Concen: 0.083 ng

RT: 15.446 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN038370.D

Acq: 13 Dec 2025 03:40

Instrument :

BNA_N

ClientSampleId :

COAN4

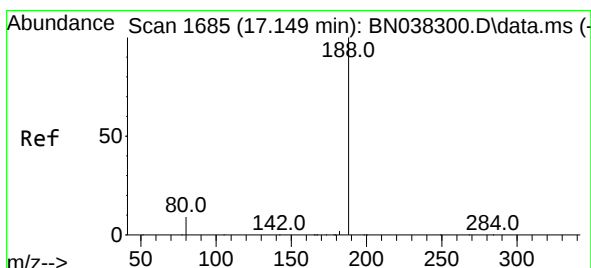
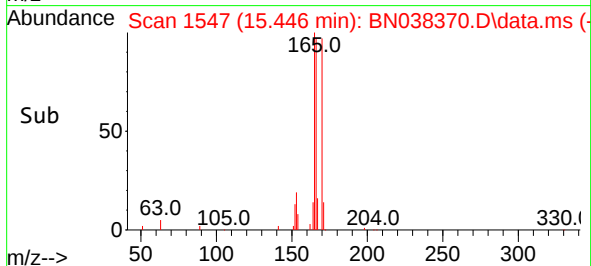
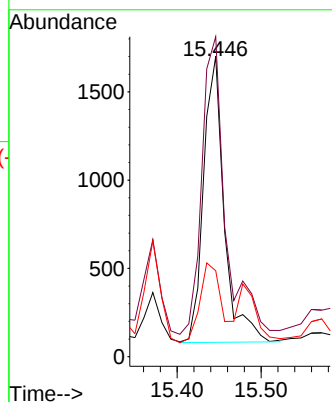
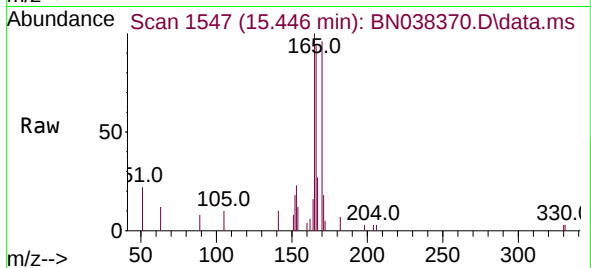
Tgt Ion:166 Resp: 2800

Ion Ratio Lower Upper

166 100

165 119.3 80.2 120.4

167 29.7 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: BN038370.D

Acq: 13 Dec 2025 03:40

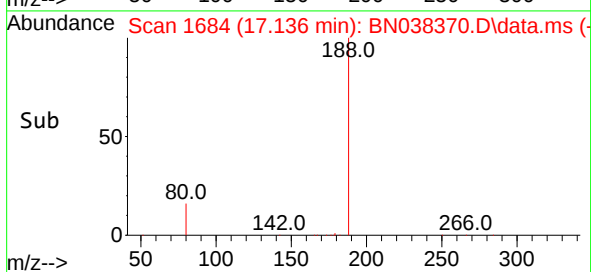
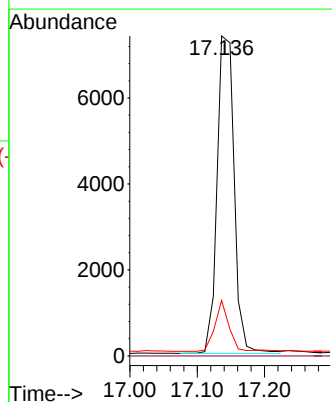
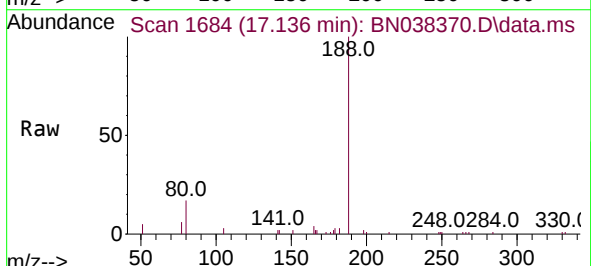
Tgt Ion:188 Resp: 13110

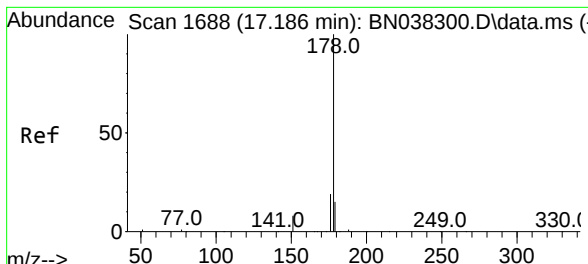
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 17.3 7.4 11.0#

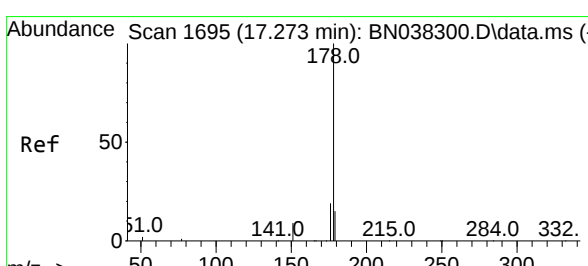
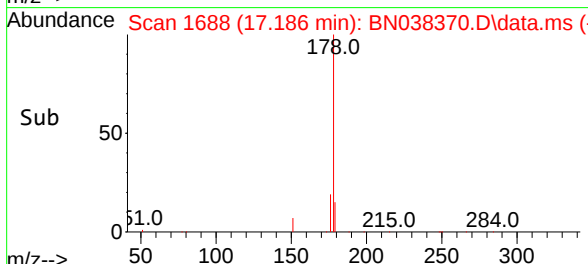
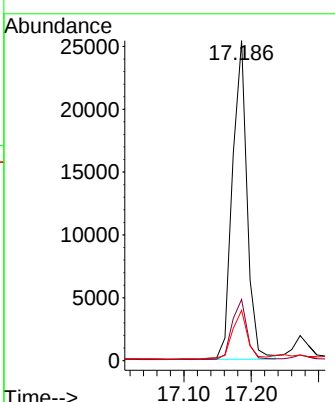
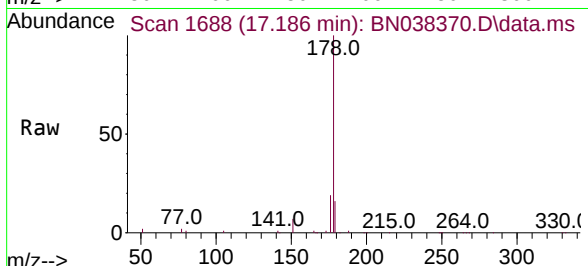




#25
 Phenanthrene
 Concen: 0.837 ng
 RT: 17.186 min Scan# 1688
 Delta R.T. 0.000 min
 Lab File: BN038370.D
 Acq: 13 Dec 2025 03:40

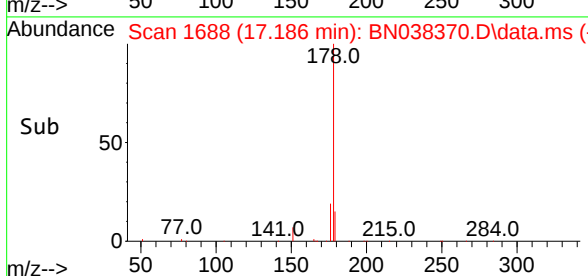
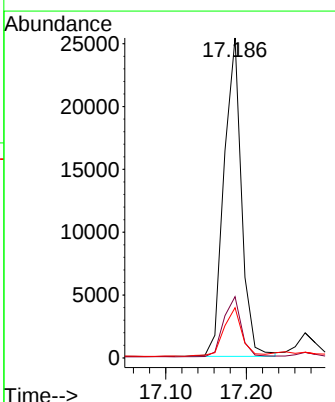
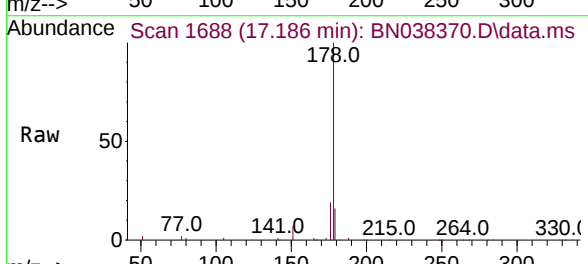
Instrument : BNA_N
 ClientSampleId : COAN4

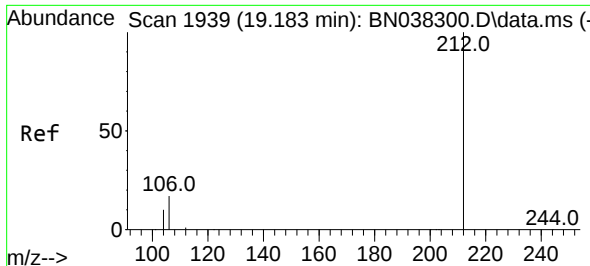
Tgt Ion:	178	Resp:	38211
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.5	23.3
179	16.1	12.2	18.2



#26
 Anthracene
 Concen: 0.968 ng
 RT: 17.186 min Scan# 1688
 Delta R.T. -0.099 min
 Lab File: BN038370.D
 Acq: 13 Dec 2025 03:40

Tgt Ion:	178	Resp:	38091
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.1	22.7
179	15.7	12.0	18.0

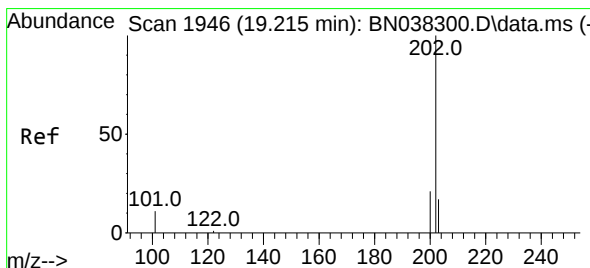
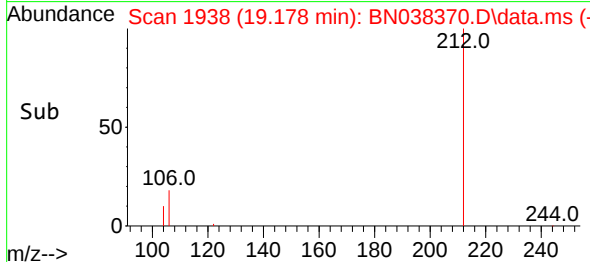
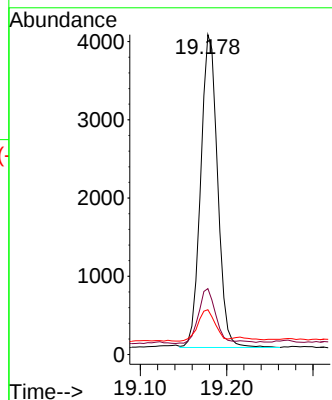
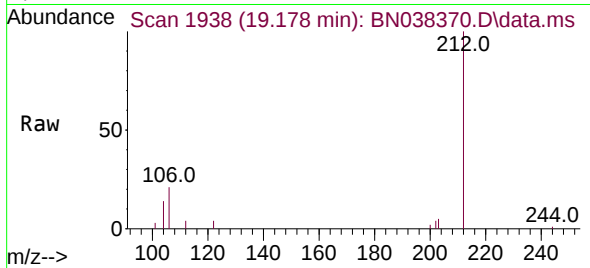




#27
Fluoranthene-d10
Concen: 0.168 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

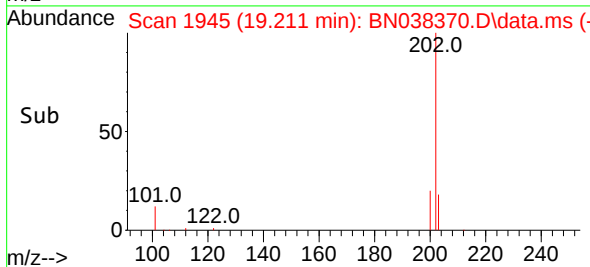
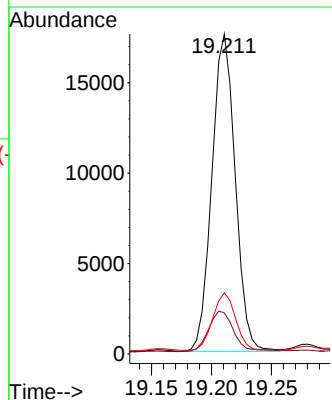
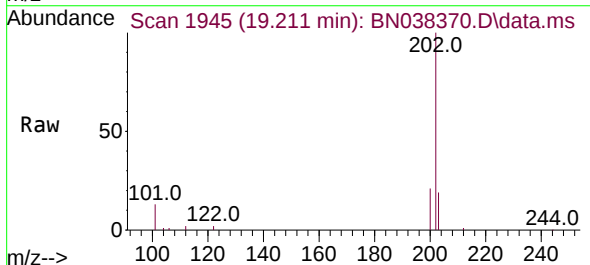
Instrument :
BNA_N
ClientSampleId :
C0AN4

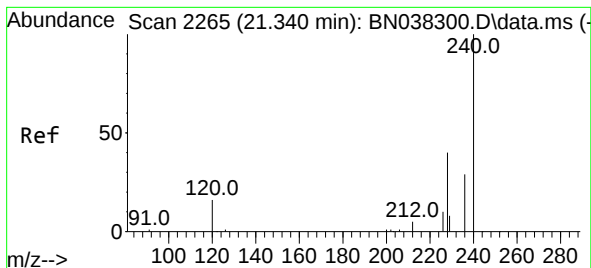
Tgt Ion:212 Resp: 5451
Ion Ratio Lower Upper
212 100
106 17.8 13.7 20.5
104 10.3 7.8 11.8



#28
Fluoranthene
Concen: 0.491 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

Tgt Ion:202 Resp: 23823
Ion Ratio Lower Upper
202 100
101 13.8 9.6 14.4
203 17.8 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.331 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038370.D

Acq: 13 Dec 2025 03:40

Instrument :

BNA_N

ClientSampleId :

C0AN4

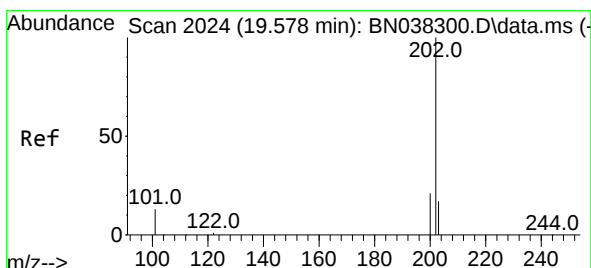
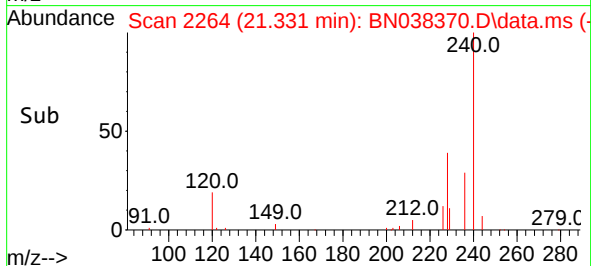
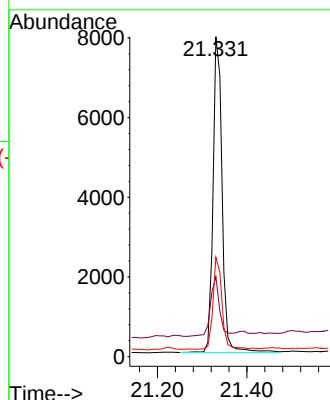
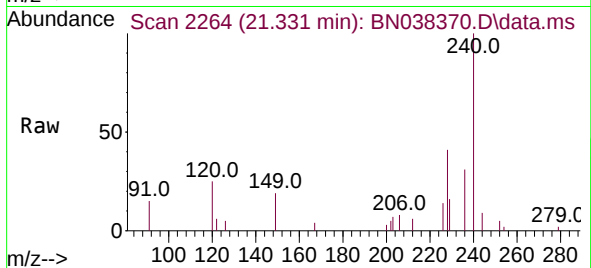
Tgt Ion:240 Resp: 11207

Ion Ratio Lower Upper

240 100

120 25.0 15.4 23.2#

236 31.0 23.9 35.9



#30

Pyrene

Concen: 0.384 ng

RT: 19.573 min Scan# 2023

Delta R.T. -0.009 min

Lab File: BN038370.D

Acq: 13 Dec 2025 03:40

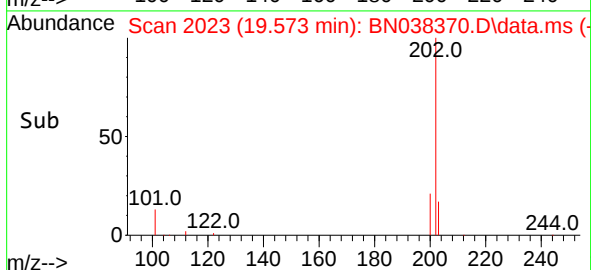
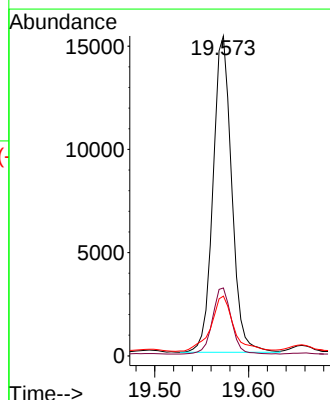
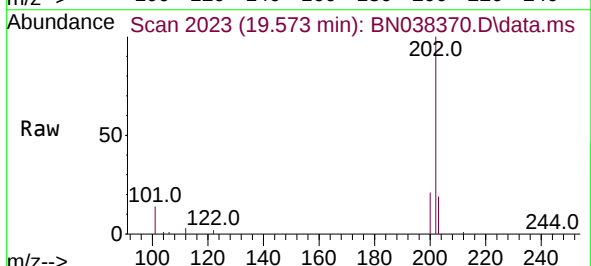
Tgt Ion:202 Resp: 21203

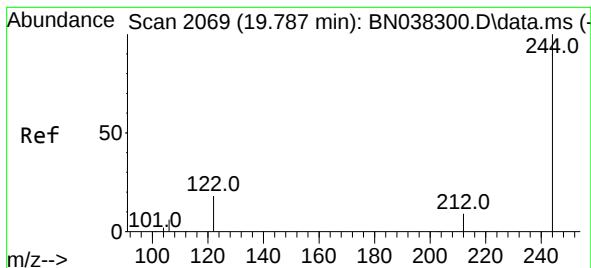
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 21.1 14.2 21.2





#31

Terphenyl-d14

Concen: 0.192 ng

RT: 19.782 min Scan# 2069

Delta R.T. -0.009 min

Lab File: BN038370.D

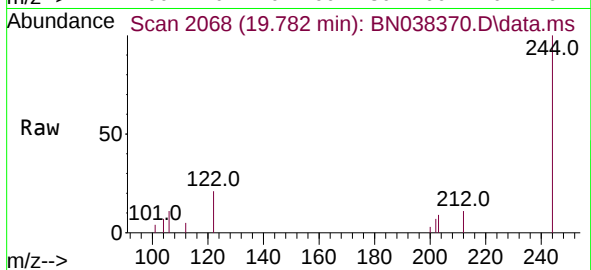
Acq: 13 Dec 2025 03:40

Instrument :

BNA_N

ClientSampleId :

COAN4



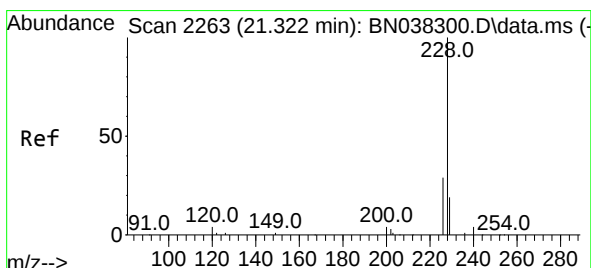
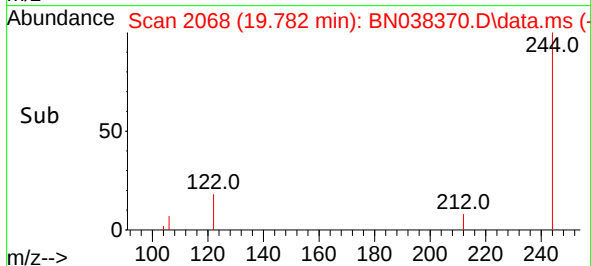
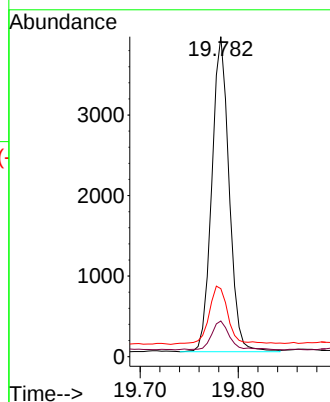
Tgt Ion:244 Resp: 4791

Ion Ratio Lower Upper

244 100

212 11.1 7.9 11.9

122 21.2 15.0 22.6



#32

Benzo(a)anthracene

Concen: 0.284 ng

RT: 21.322 min Scan# 2263

Delta R.T. -0.009 min

Lab File: BN038370.D

Acq: 13 Dec 2025 03:40

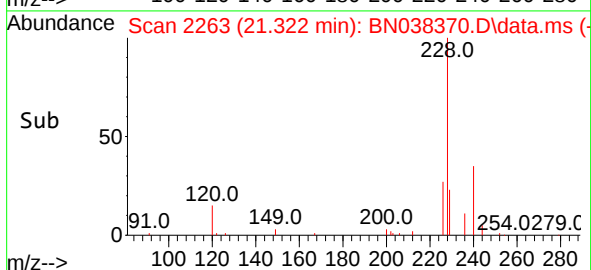
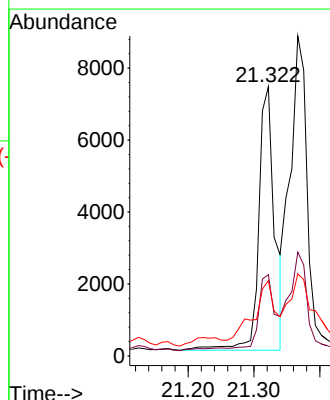
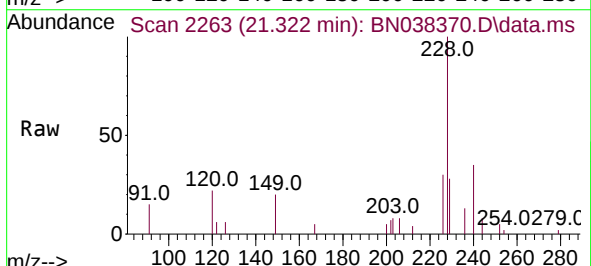
Tgt Ion:228 Resp: 12315

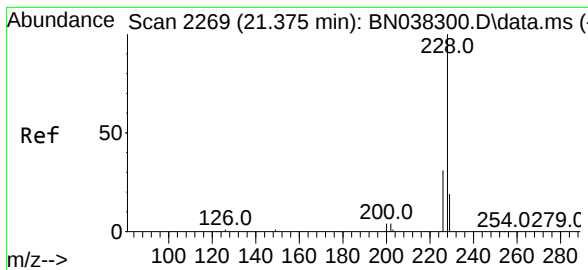
Ion Ratio Lower Upper

228 100

226 30.2 23.3 34.9

229 28.0 15.7 23.5#





#33

Chrysene

Concen: 0.329 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038370.D

Acq: 13 Dec 2025 03:40

Instrument :

BNA_N

ClientSampleId :

COAN4

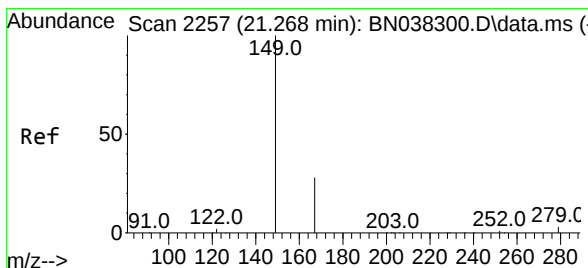
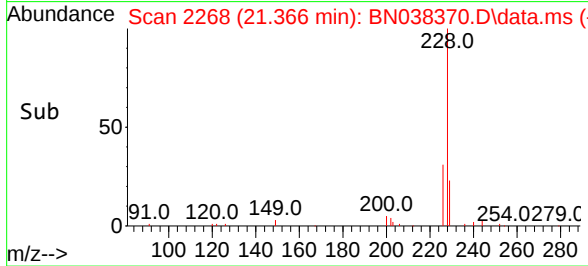
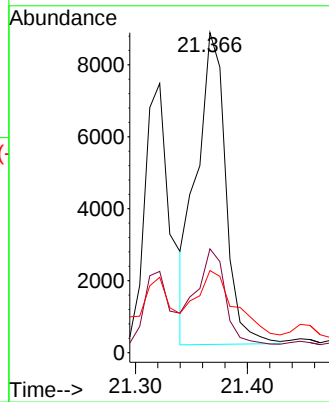
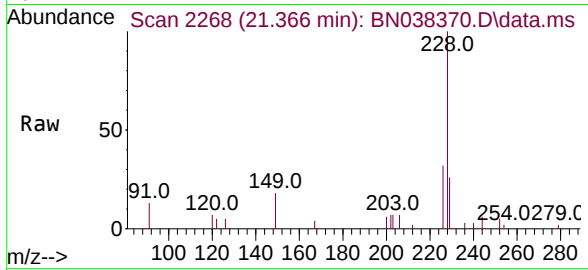
Tgt Ion:228 Resp: 15693

Ion Ratio Lower Upper

228 100

226 32.4 25.0 37.4

229 25.6 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.083 ng

RT: 21.259 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN038370.D

Acq: 13 Dec 2025 03:40

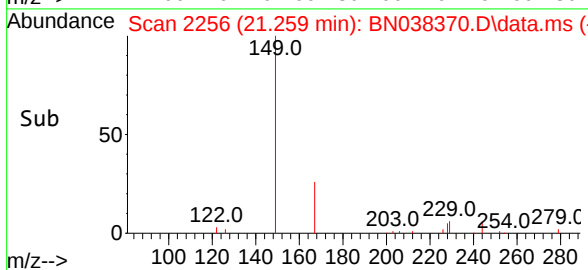
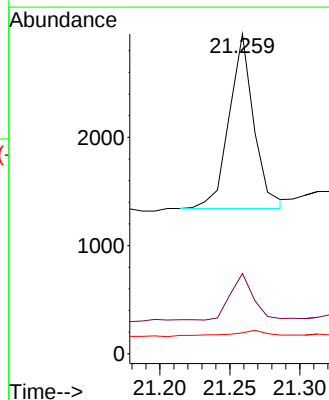
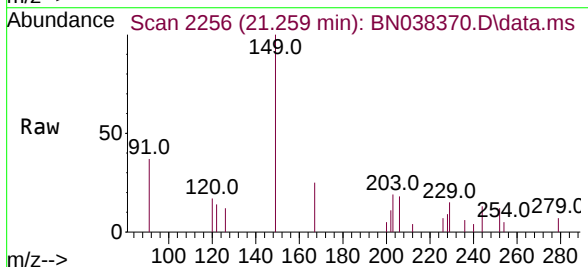
Tgt Ion:149 Resp: 1982

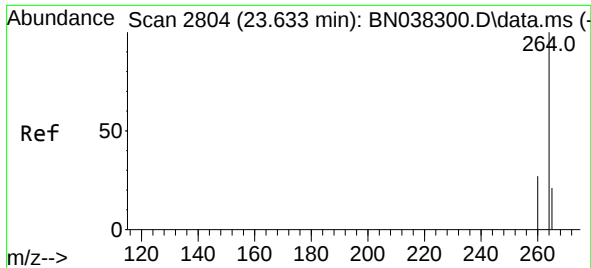
Ion Ratio Lower Upper

149 100

167 24.5 21.4 32.0

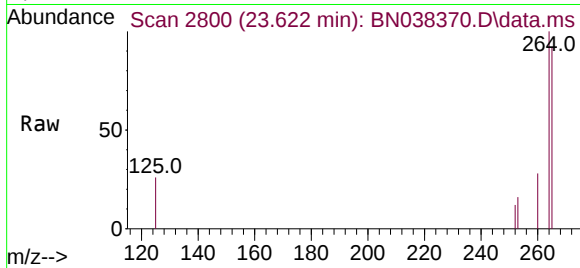
279 6.5 2.4 3.6#



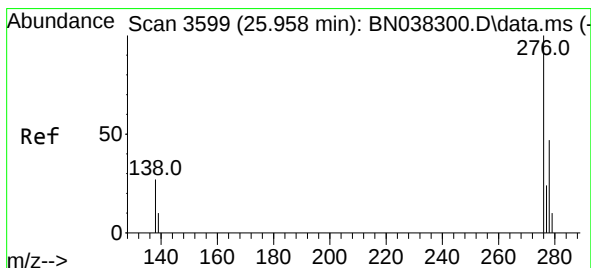
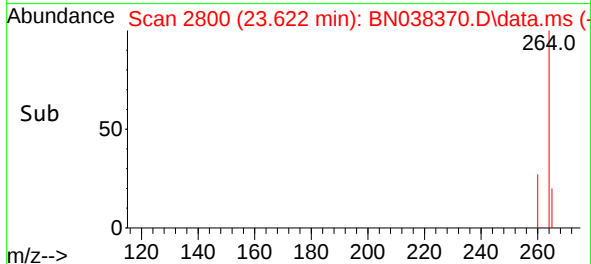
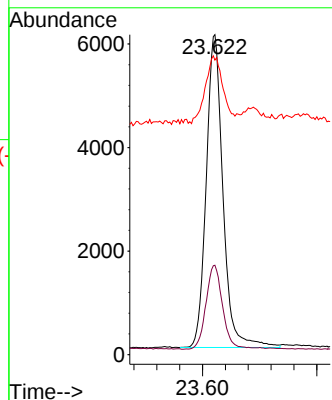


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.622 min Scan# 2804
 Delta R.T. -0.012 min
 Lab File: BN038370.D
 Acq: 13 Dec 2025 03:40

Instrument :
 BNA_N
 ClientSampleId :
 COAN4

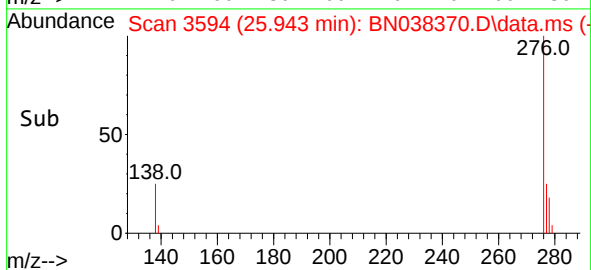
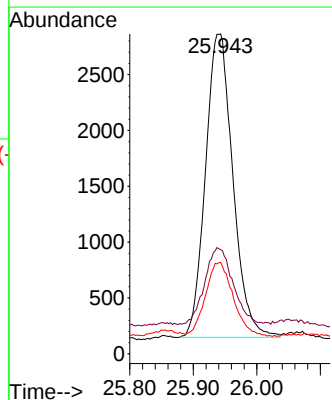
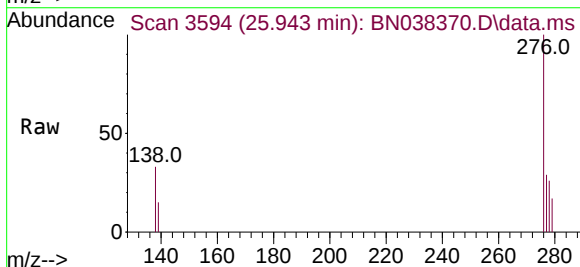


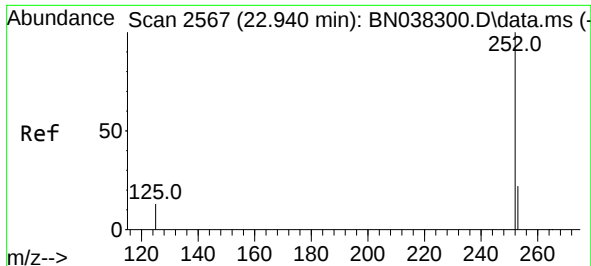
Tgt Ion:264 Resp: 12315
 Ion Ratio Lower Upper
 264 100
 260 28.0 22.2 33.2
 265 92.0 80.2 120.2



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.125 ng
 RT: 25.943 min Scan# 3594
 Delta R.T. -0.020 min
 Lab File: BN038370.D
 Acq: 13 Dec 2025 03:40

Tgt Ion:276 Resp: 8148
 Ion Ratio Lower Upper
 276 100
 138 25.8 23.6 35.4
 277 24.8 19.7 29.5

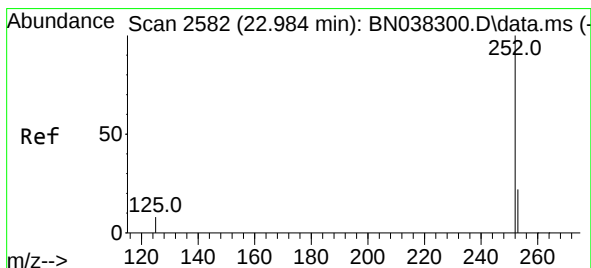
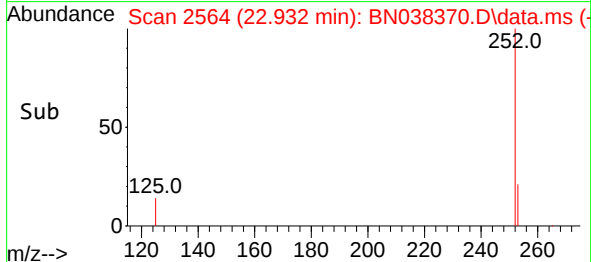
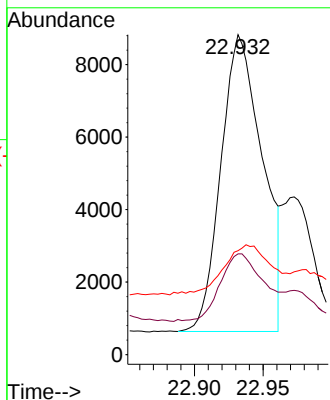
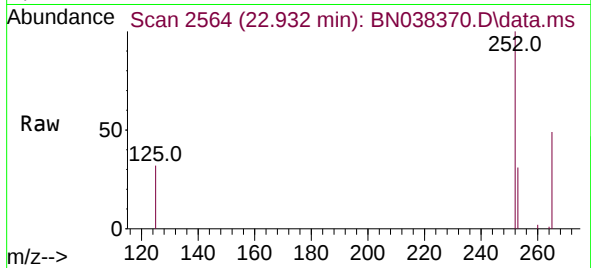




#37
Benzo(b)fluoranthene
Concen: 0.305 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.015 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

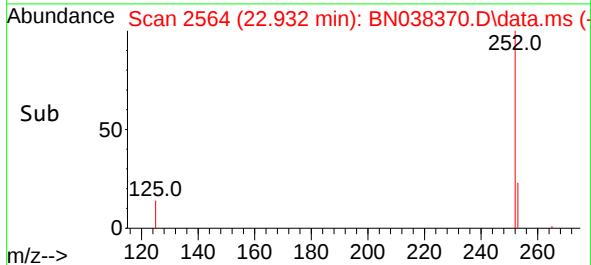
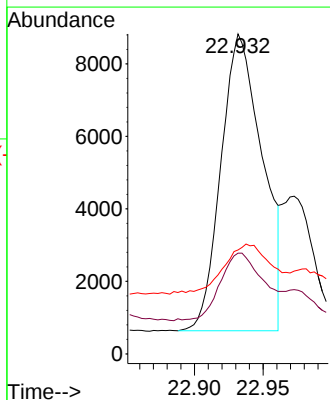
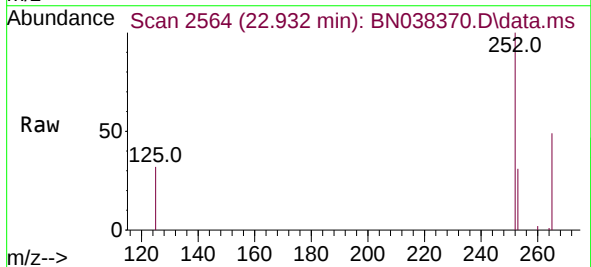
Instrument :
BNA_N
ClientSampleId :
COAN4

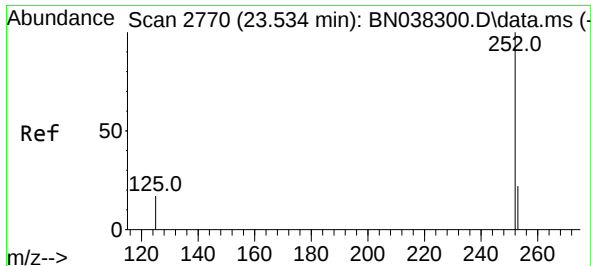
Tgt Ion:252 Resp: 17240
Ion Ratio Lower Upper
252 100
253 31.5 21.1 31.7
125 32.5 16.4 24.6#



#38
Benzo(k)fluoranthene
Concen: 0.306 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.058 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

Tgt Ion:252 Resp: 17240
Ion Ratio Lower Upper
252 100
253 31.5 21.4 32.0
125 32.5 16.2 24.2#

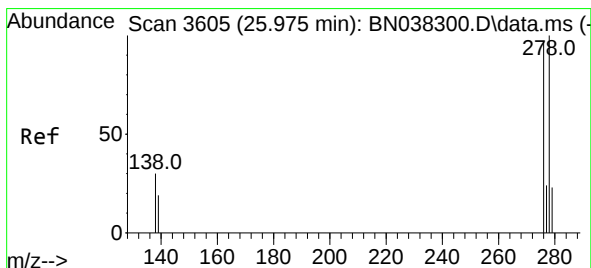
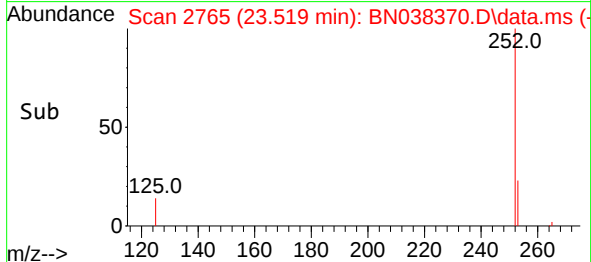
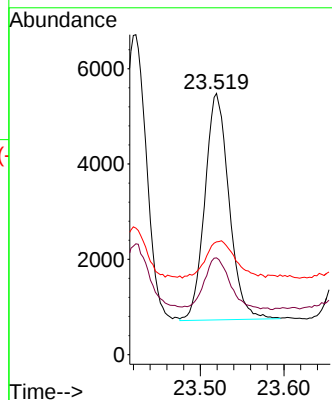
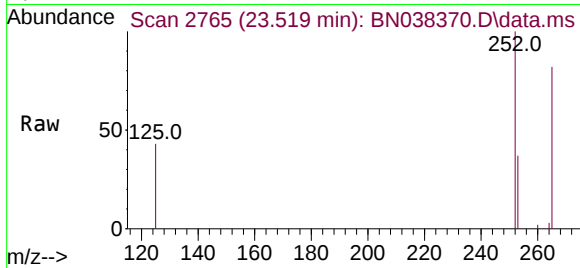




#39
Benzo(a)pyrene
Concen: 0.207 ng
RT: 23.519 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

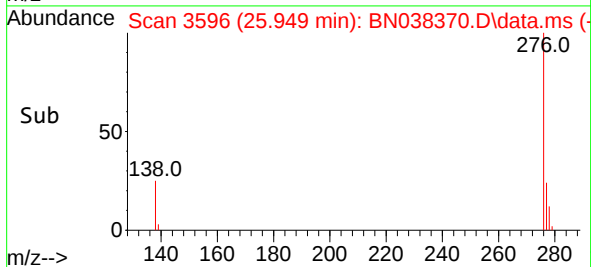
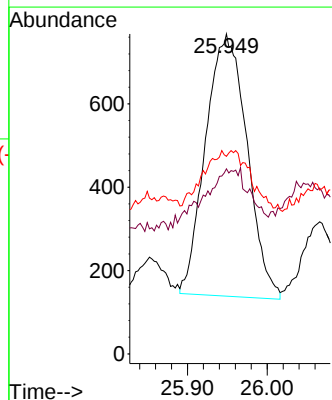
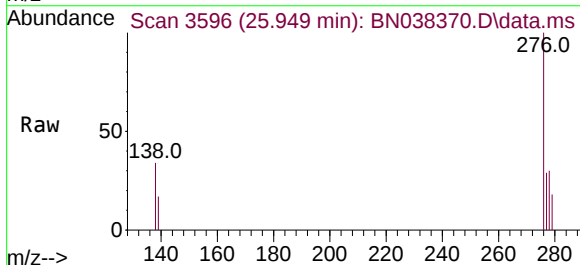
Instrument :
BNA_N
ClientSampleId :
COAN4

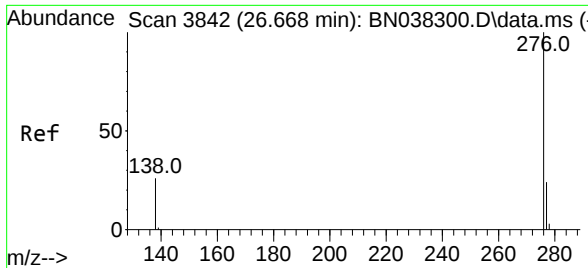
Tgt Ion:252 Resp: 9572
Ion Ratio Lower Upper
252 100
253 37.1 23.3 34.9#
125 43.1 22.4 33.6#



#40
Dibenzo(a,h)anthracene
Concen: 0.045 ng
RT: 25.949 min Scan# 3596
Delta R.T. -0.032 min
Lab File: BN038370.D
Acq: 13 Dec 2025 03:40

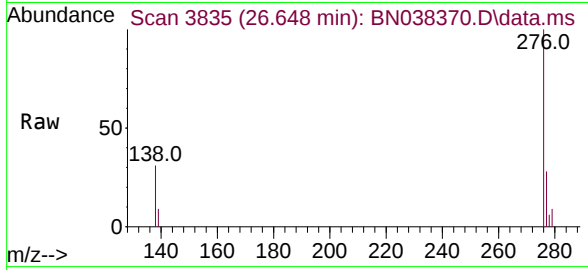
Tgt Ion:278 Resp: 2268
Ion Ratio Lower Upper
278 100
139 57.8 17.8 26.8#
279 61.7 21.3 31.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.184 ng
 RT: 26.648 min Scan# 3842
 Delta R.T. -0.029 min
 Lab File: BN038370.D
 Acq: 13 Dec 2025 03:40

Instrument :
 BNA_N
 ClientSampleId :
 C0AN4



Tgt Ion:	276	Resp:	10346
Ion Ratio	Lower	Upper	
276	100		
277	27.5	20.0	30.0
138	31.4	21.8	32.6

