

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038369.D
 Acq On : 13 Dec 2025 03:03
 Operator : RC/JU
 Sample : Q3839-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 COAN3

Quant Time: Dec 13 06:06:39 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)

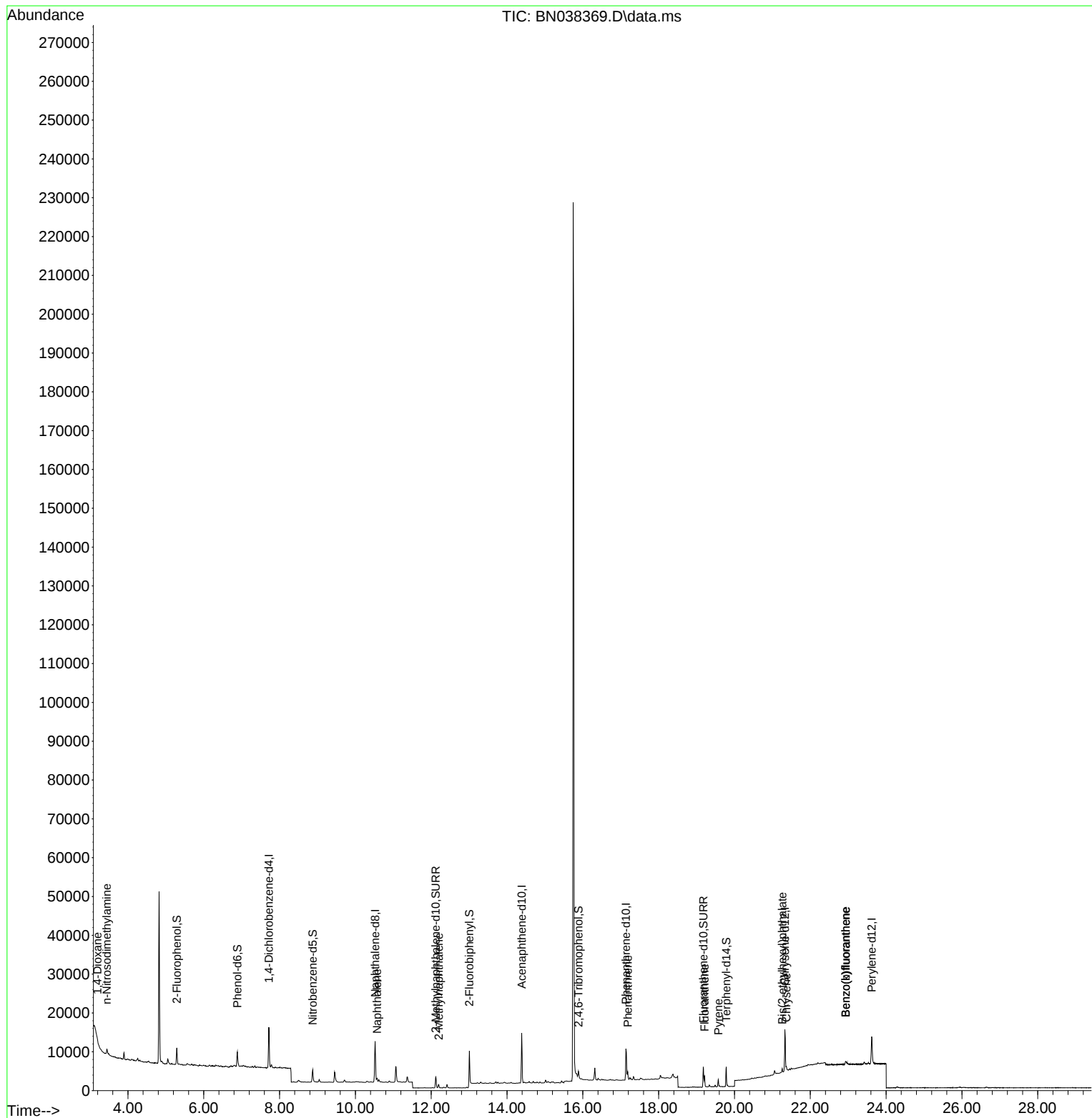
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5370	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	13907	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	6961	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	12016	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	9585	0.400	ng	0.00
35) Perylene-d12	23.622	264	10050	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	3437	0.257	ng	0.00
5) Phenol-d6	6.887	99	3802	0.239	ng	0.00
8) Nitrobenzene-d5	8.875	82	2791	0.238	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	4097	0.209	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	972	0.315	ng	-0.01
15) 2-Fluorobiphenyl	13.009	172	8444	0.252	ng	0.00
27) Fluoranthene-d10	19.178	212	5556	0.187	ng	0.00
31) Terphenyl-d14	19.782	244	4663	0.218	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	190	0.031	ng	# 76
3) n-Nitrosodimethylamine	3.442	42	649	0.084	ng	# 1
9) Naphthalene	10.573	128	1229	0.030	ng	# 80
12) 2-Methylnaphthalene	12.197	142	655	0.025	ng	# 87
25) Phenanthrene	17.186	178	2160	0.052	ng	97
28) Fluoranthene	19.211	202	2412	0.054	ng	# 93
30) Pyrene	19.573	202	1628	0.035	ng	# 95
33) Chrysene	21.367	228	1143	0.028	ng	# 75
34) Bis(2-ethylhexyl)phtha...	21.259	149	1037	0.051	ng	# 91
37) Benzo(b)fluoranthene	22.932	252	1190	0.026	ng	# 1
38) Benzo(k)fluoranthene	22.932	252	1190	0.026	ng	# 1

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

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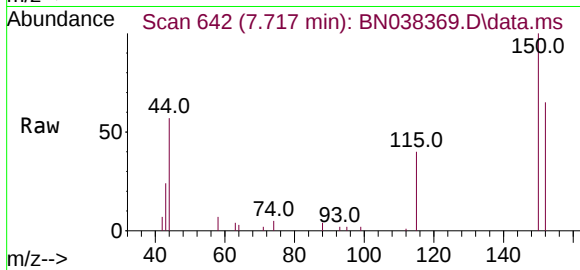
Quant Time: Dec 13 06:06:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
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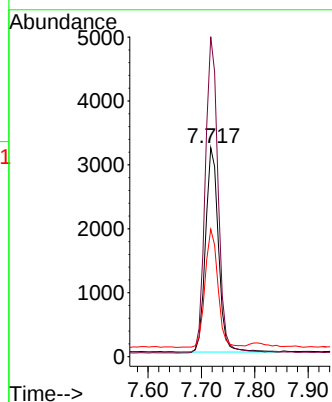
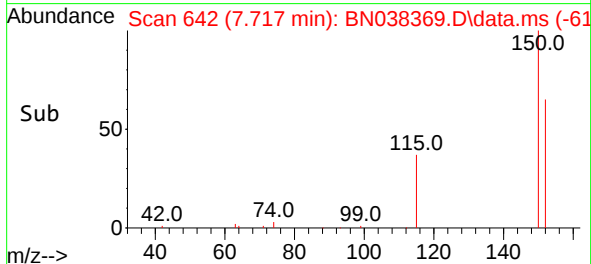


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN038369.D
 Acq: 13 Dec 2025 03:03

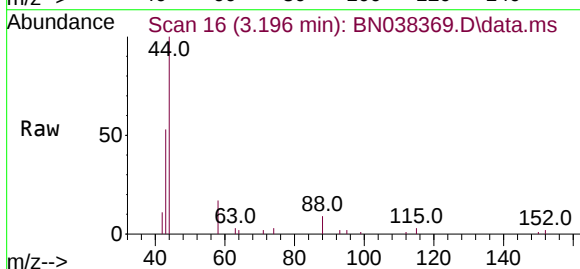
Instrument :
 BNA_N
 ClientSampleId :
 COAN3



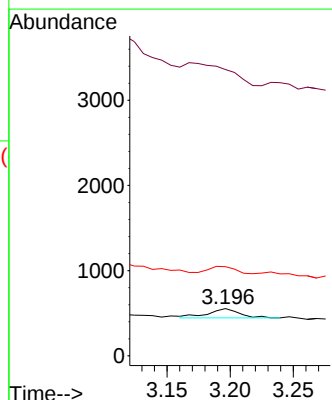
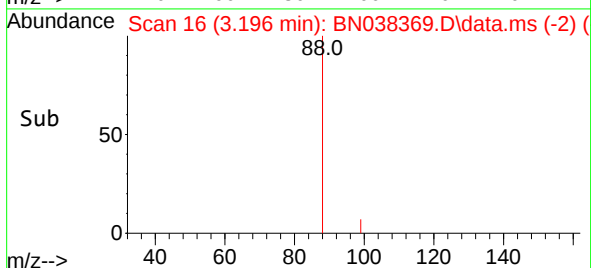
Tgt Ion:152 Resp: 5370
 Ion Ratio Lower Upper
 152 100
 150 153.1 122.4 183.6
 115 61.0 47.3 70.9

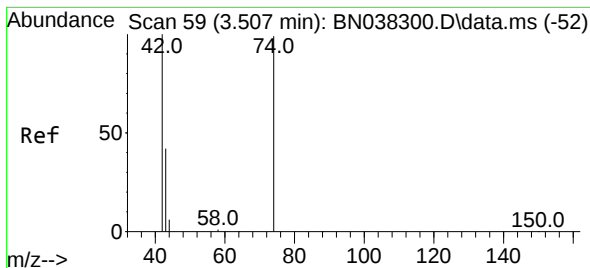


#2
 1,4-Dioxane
 Concen: 0.031 ng
 RT: 3.196 min Scan# 16
 Delta R.T. 0.000 min
 Lab File: BN038369.D
 Acq: 13 Dec 2025 03:03



Tgt Ion: 88 Resp: 190
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.9 37.3#
 58 66.8 61.4 92.0





#3

n-Nitrosodimethylamine

Concen: 0.084 ng

RT: 3.442 min Scan# 50

Delta R.T. -0.058 min

Lab File: BN038369.D

Acq: 13 Dec 2025 03:03

Instrument :

BNA_N

ClientSampleId :

COAN3

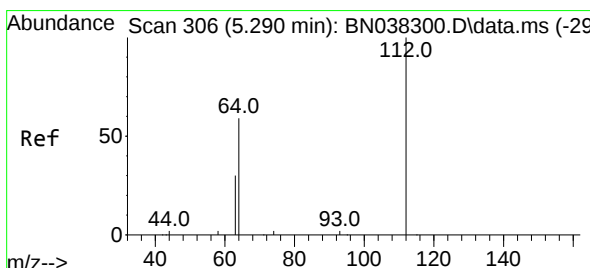
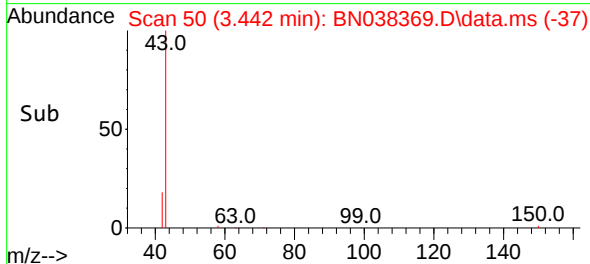
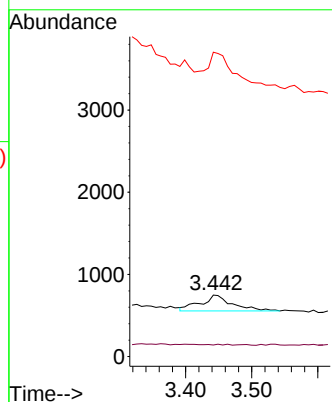
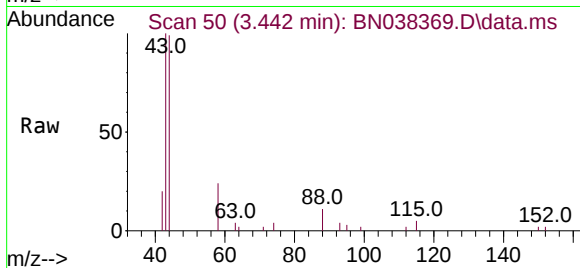
Tgt Ion: 42 Resp: 649

Ion Ratio Lower Upper

42 100

74 0.6 95.3 142.9#

44 200.0 7.9 11.9#



#4

2-Fluorophenol

Concen: 0.257 ng

RT: 5.291 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038369.D

Acq: 13 Dec 2025 03:03

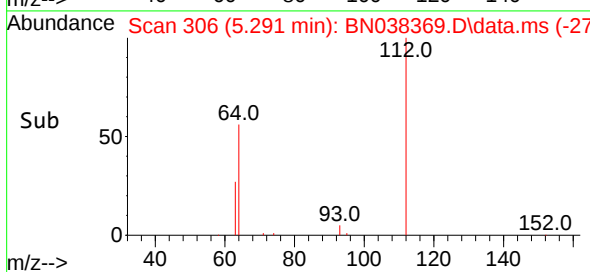
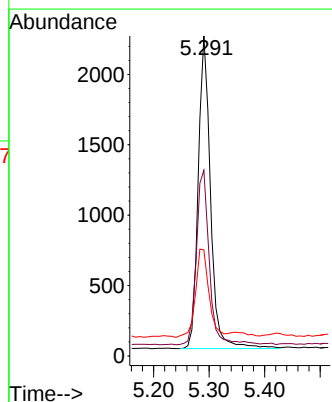
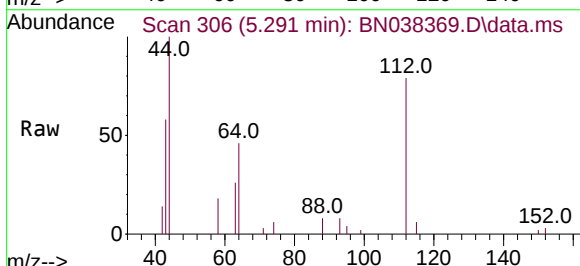
Tgt Ion: 112 Resp: 3437

Ion Ratio Lower Upper

112 100

64 58.3 44.4 66.6

63 31.0 23.4 35.0

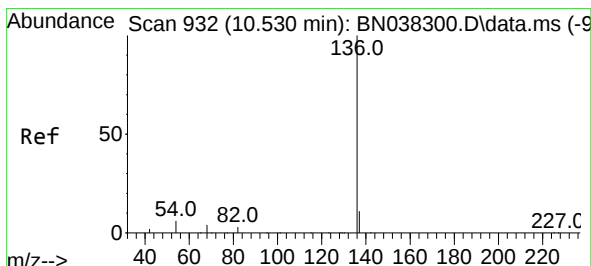
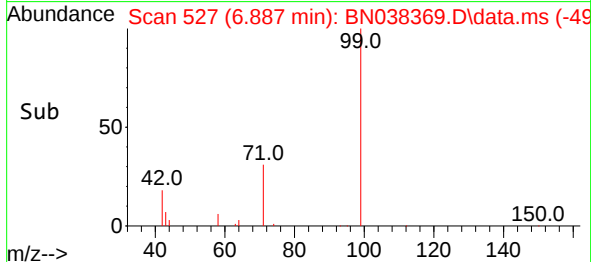
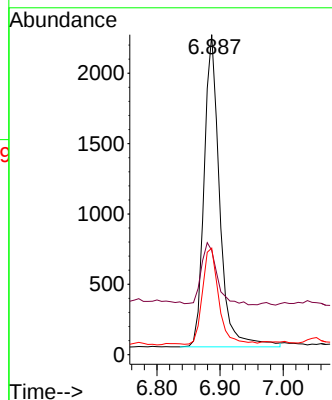
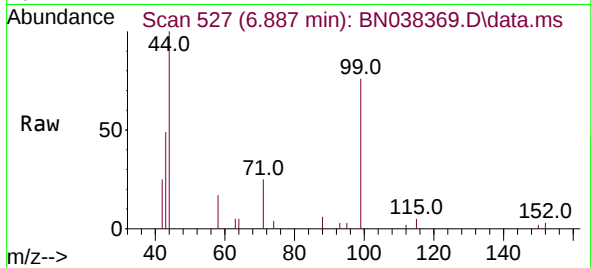




#5
Phenol-d6
Concen: 0.239 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038369.D
Acq: 13 Dec 2025 03:03

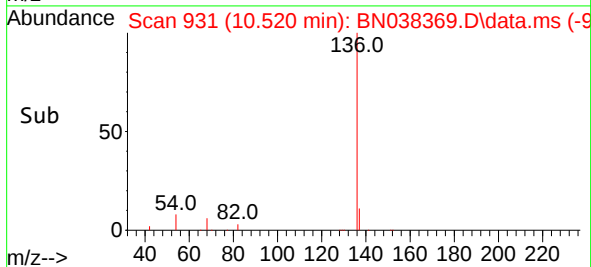
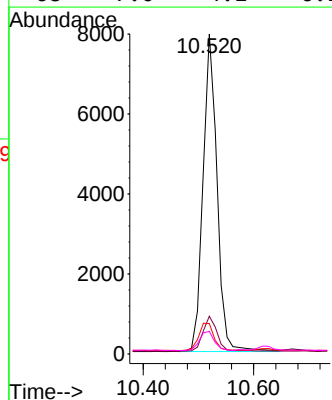
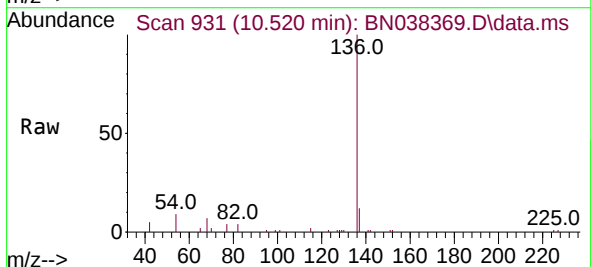
Instrument :
BNA_N
ClientSampleId :
COAN3

Tgt Ion: 99 Resp: 3802
Ion Ratio Lower Upper
99 100
42 19.9 16.5 24.7
71 32.0 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: BN038369.D
Acq: 13 Dec 2025 03:03

Tgt Ion: 136 Resp: 13907
Ion Ratio Lower Upper
136 100
137 11.8 9.1 13.7
54 9.5 5.2 7.8#
68 7.0 4.1 6.1#

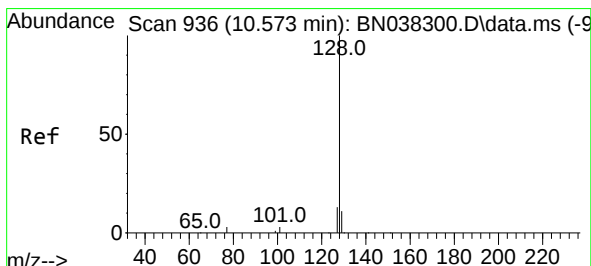
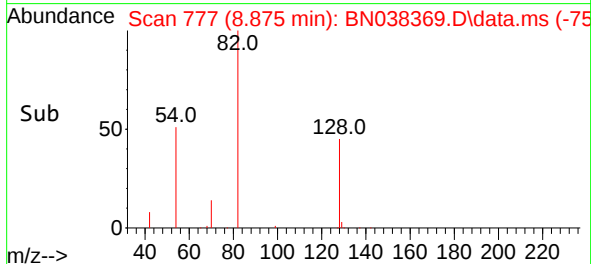
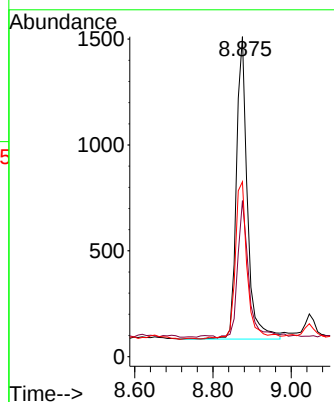
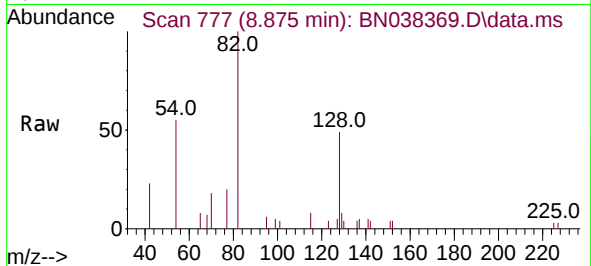




#8
 Nitrobenzene-d5
 Concen: 0.238 ng
 RT: 8.875 min Scan# 777
 Delta R.T. 0.000 min
 Lab File: BN038369.D
 Acq: 13 Dec 2025 03:03

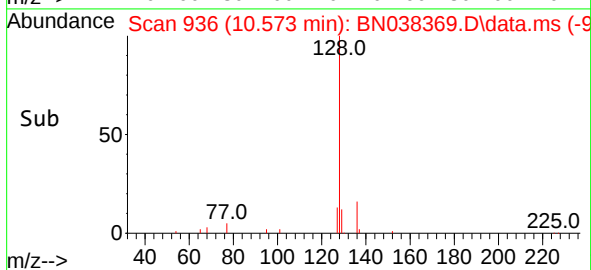
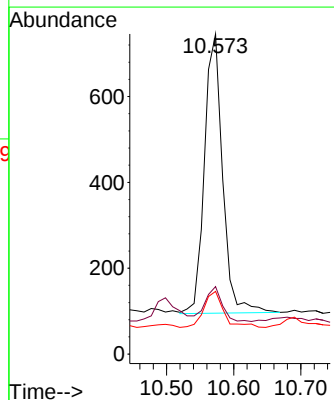
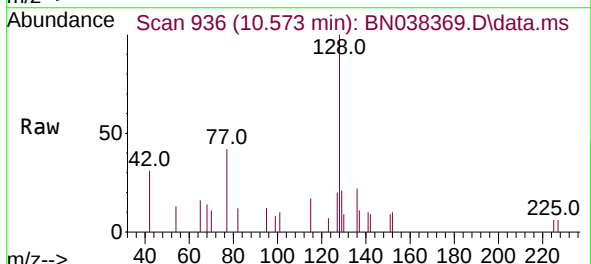
Instrument :
 BNA_N
 ClientSampleId :
 COAN3

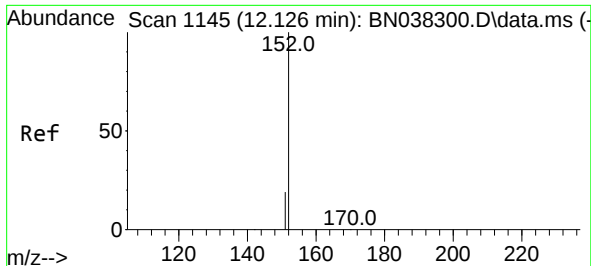
Tgt Ion: 82 Resp: 2791
 Ion Ratio Lower Upper
 82 100
 128 48.7 34.0 51.0
 54 54.6 44.4 66.6



#9
 Naphthalene
 Concen: 0.030 ng
 RT: 10.573 min Scan# 936
 Delta R.T. 0.000 min
 Lab File: BN038369.D
 Acq: 13 Dec 2025 03:03

Tgt Ion: 128 Resp: 1229
 Ion Ratio Lower Upper
 128 100
 129 21.0 9.1 13.7#
 127 19.6 10.9 16.3#

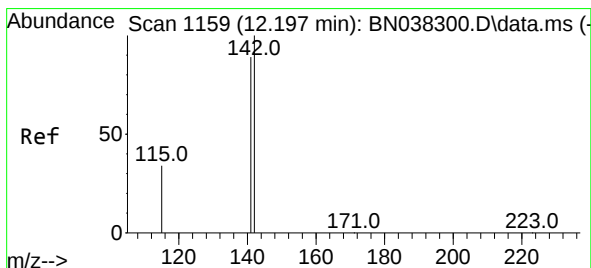
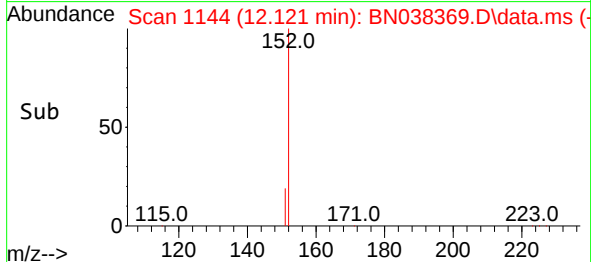
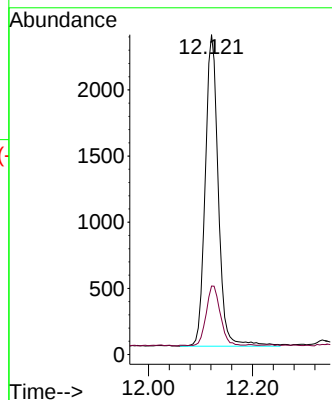
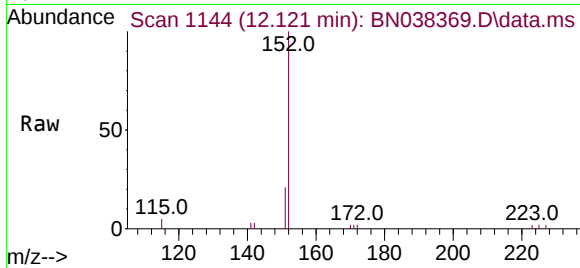




#11
2-Methylnaphthalene-d10
Concen: 0.209 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038369.D
Acq: 13 Dec 2025 03:03

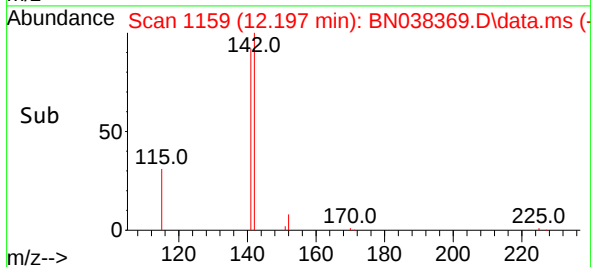
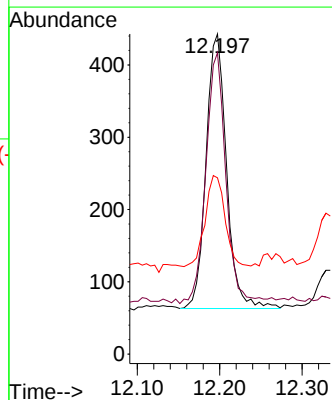
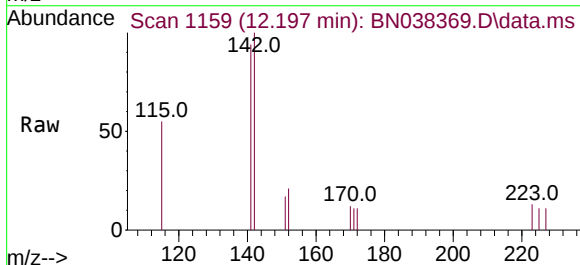
Instrument :
BNA_N
ClientSampleId :
COAN3

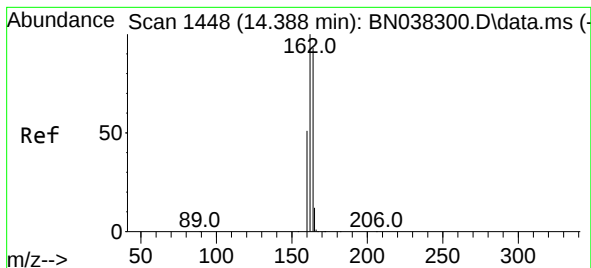
Tgt Ion:152 Resp: 4097
Ion Ratio Lower Upper
152 100
151 20.6 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.025 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038369.D
Acq: 13 Dec 2025 03:03

Tgt Ion:142 Resp: 655
Ion Ratio Lower Upper
142 100
141 94.1 71.4 107.2
115 55.1 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: BN038369.D

Acq: 13 Dec 2025 03:03

Instrument :

BNA_N

ClientSampleId :

COAN3

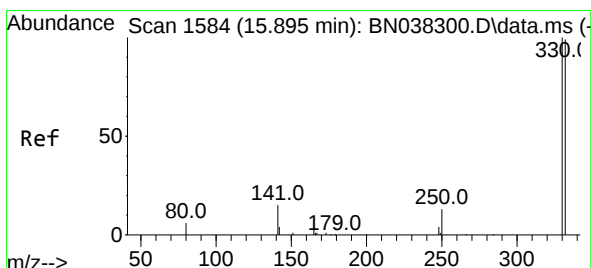
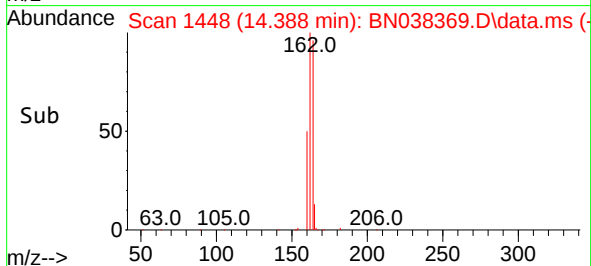
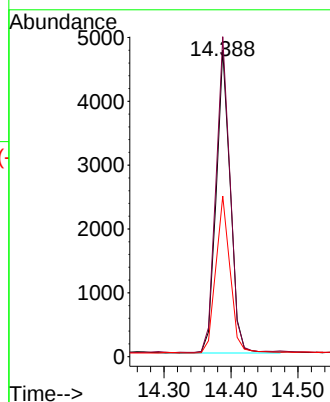
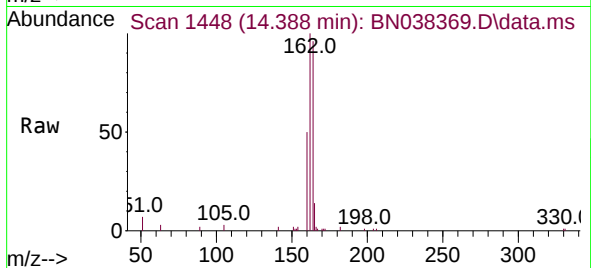
Tgt Ion:164 Resp: 6961

Ion Ratio Lower Upper

164 100

162 104.3 86.2 129.4

160 52.4 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.315 ng

RT: 15.883 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BN038369.D

Acq: 13 Dec 2025 03:03

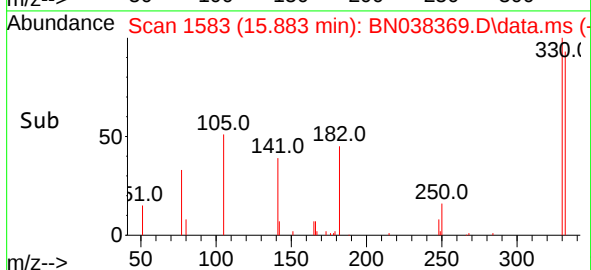
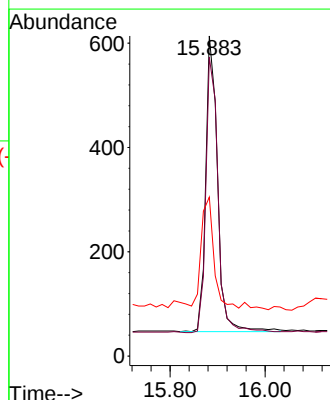
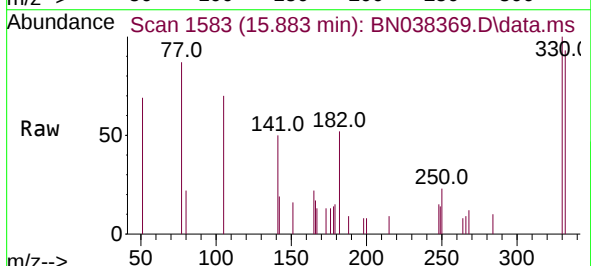
Tgt Ion:330 Resp: 972

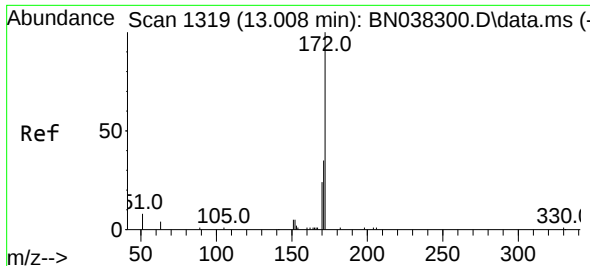
Ion Ratio Lower Upper

330 100

332 96.5 75.8 113.6

141 39.7 31.8 47.8

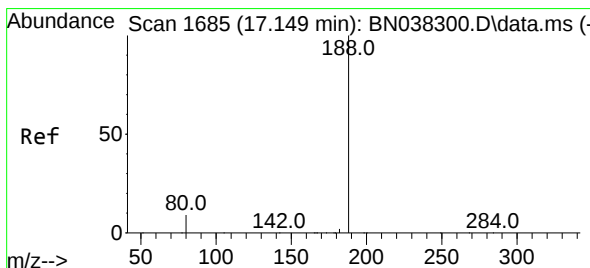
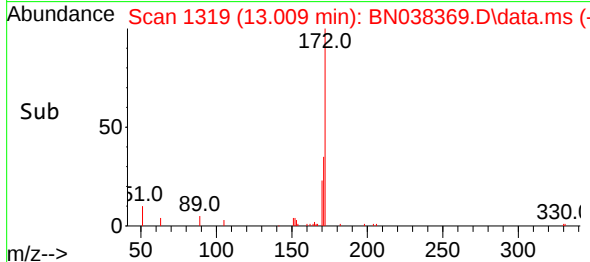
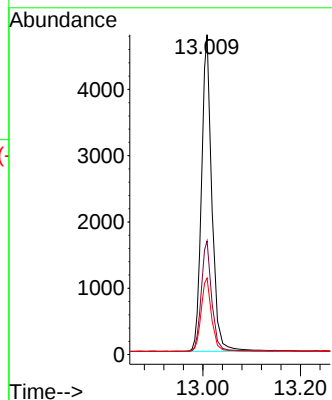
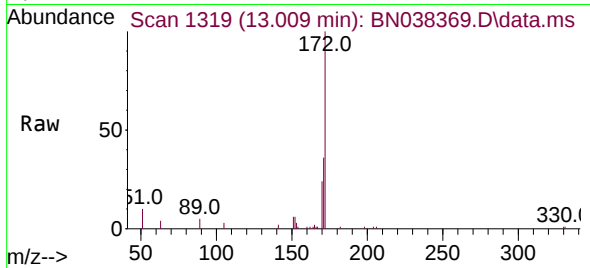




#15
2-Fluorobiphenyl
Concen: 0.252 ng
RT: 13.009 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038369.D
Acq: 13 Dec 2025 03:03

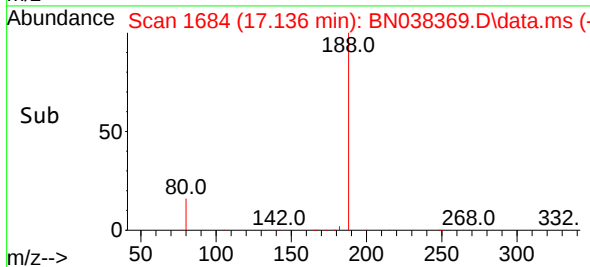
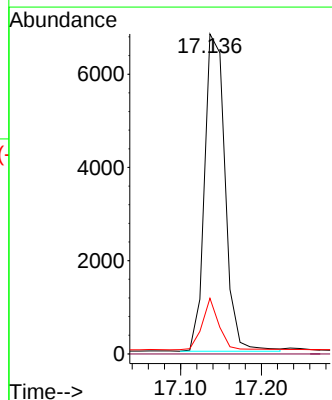
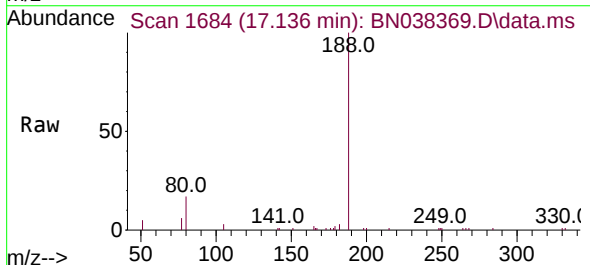
Instrument :
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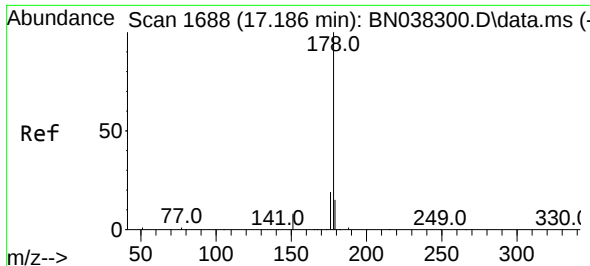
Tgt Ion:	172	Resp:	8444
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.6	42.8
170	23.9	19.3	28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038369.D
Acq: 13 Dec 2025 03:03

Tgt Ion:	188	Resp:	12016
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	17.4	7.4	11.0

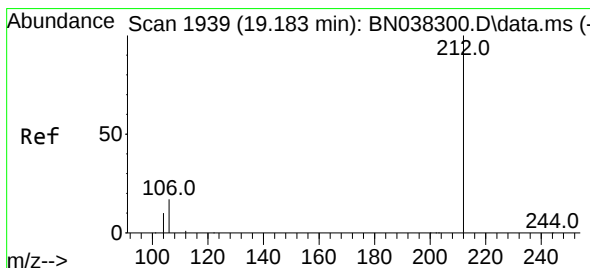
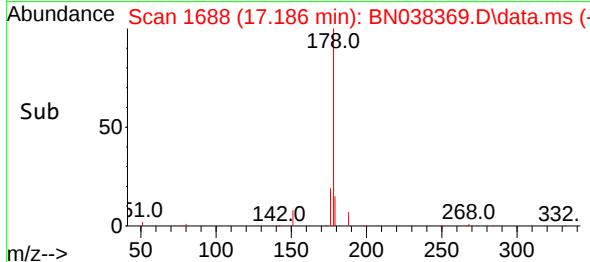
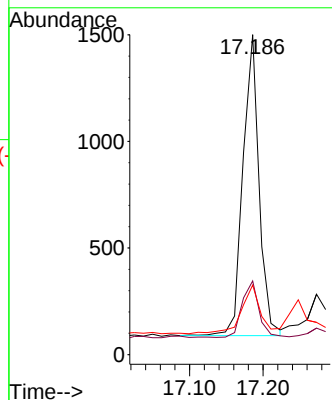
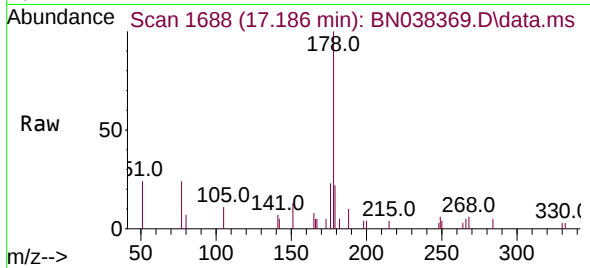




#25
Phenanthrene
Concen: 0.052 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038369.D
Acq: 13 Dec 2025 03:03

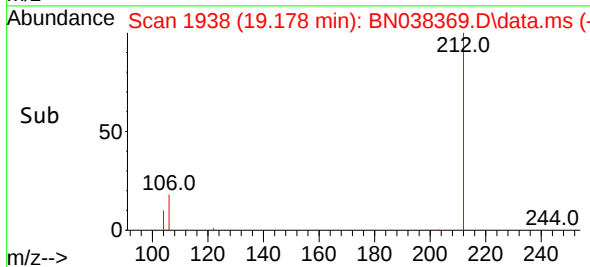
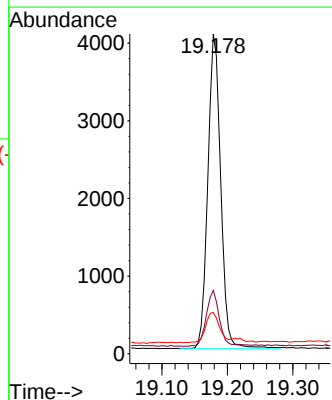
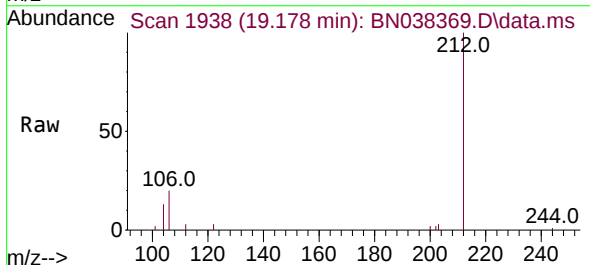
Instrument :
BNA_N
ClientSampleId :
COAN3

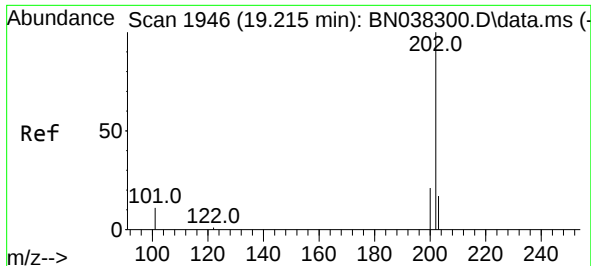
Tgt Ion:	178	Resp:	2160
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.5	23.3
179	17.9	12.2	18.2



#27
Fluoranthene-d10
Concen: 0.187 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038369.D
Acq: 13 Dec 2025 03:03

Tgt Ion:	212	Resp:	5556
Ion Ratio	Lower	Upper	
212	100		
106	18.2	13.7	20.5
104	10.4	7.8	11.8

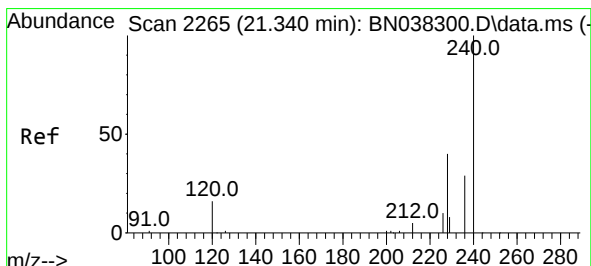
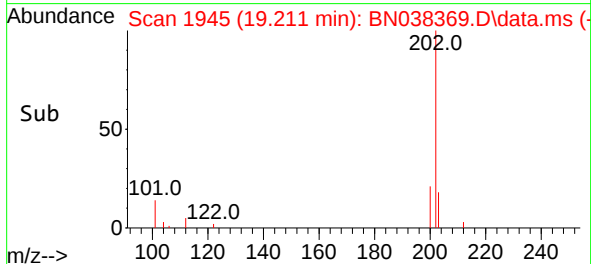
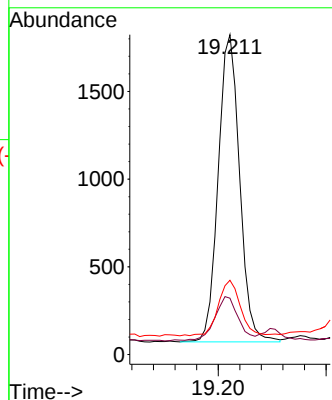
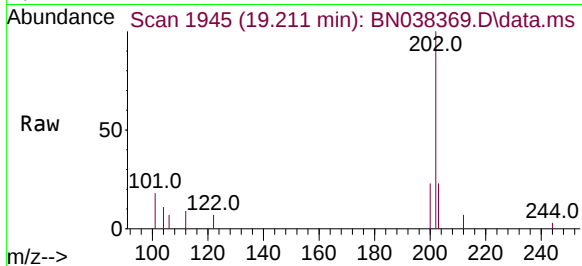




#28
Fluoranthene
Concen: 0.054 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038369.D
Acq: 13 Dec 2025 03:03

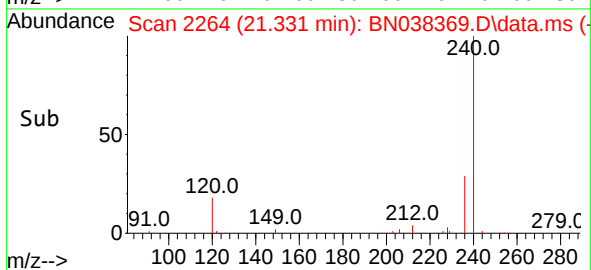
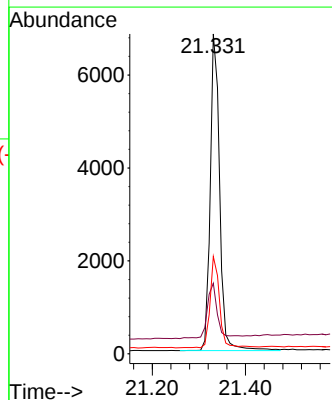
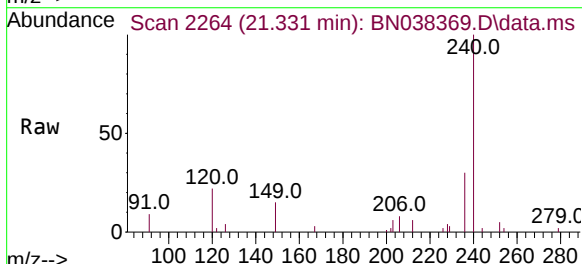
Instrument :
BNA_N
ClientSampleId :
COAN3

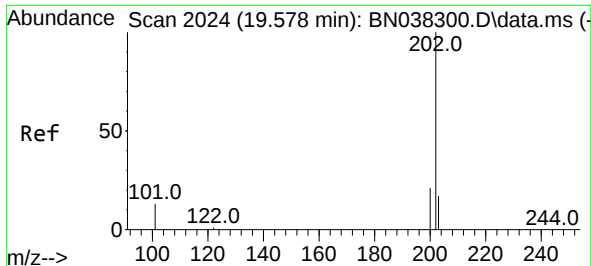
Tgt Ion:202 Resp: 2412
Ion Ratio Lower Upper
202 100
101 16.0 9.6 14.4#
203 18.7 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038369.D
Acq: 13 Dec 2025 03:03

Tgt Ion:240 Resp: 9585
Ion Ratio Lower Upper
240 100
120 22.0 15.4 23.2
236 30.4 23.9 35.9

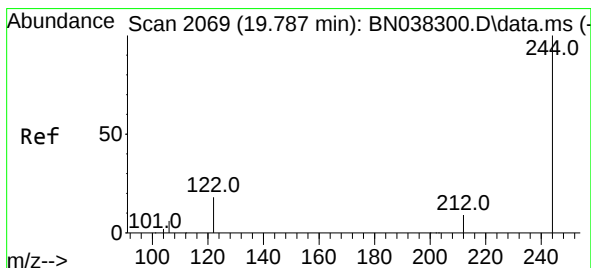
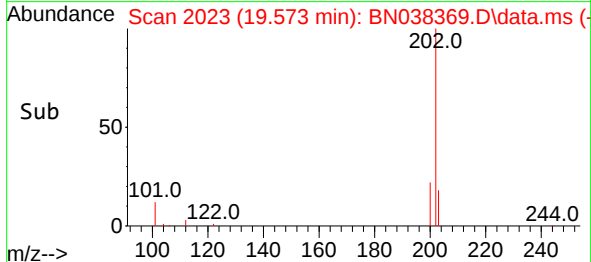
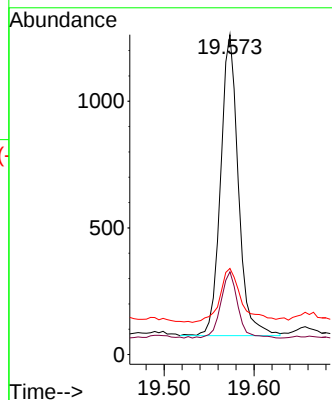
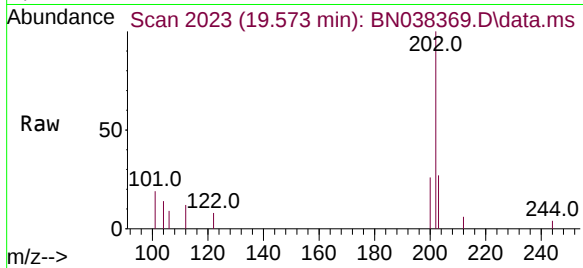




#30
 Pyrene
 Concen: 0.035 ng
 RT: 19.573 min Scan# 20
 Delta R.T. -0.009 min
 Lab File: BN038369.D
 Acq: 13 Dec 2025 03:03

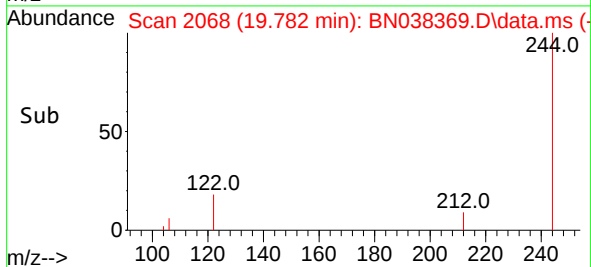
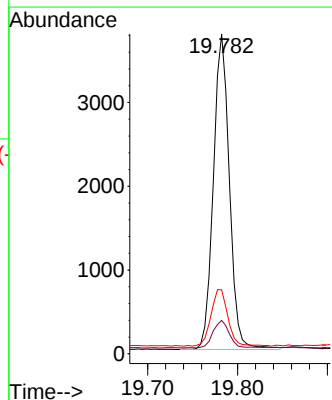
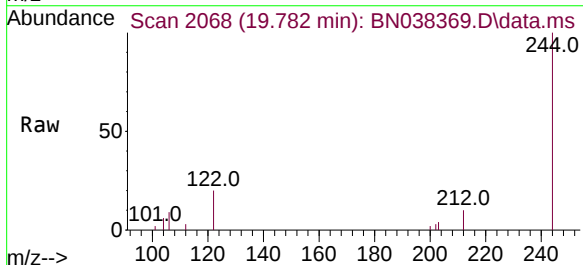
Instrument :
 BNA_N
 ClientSampleId :
 COAN3

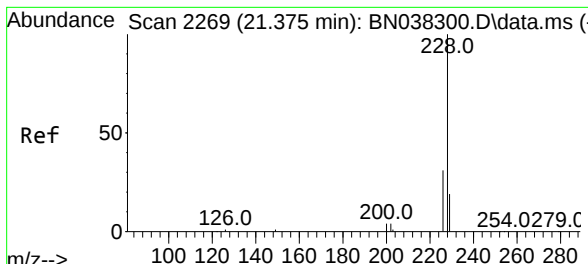
Tgt Ion:202 Resp: 1628
 Ion Ratio Lower Upper
 202 100
 200 21.4 16.9 25.3
 203 22.0 14.2 21.2#



#31
 Terphenyl-d14
 Concen: 0.218 ng
 RT: 19.782 min Scan# 2068
 Delta R.T. -0.009 min
 Lab File: BN038369.D
 Acq: 13 Dec 2025 03:03

Tgt Ion:244 Resp: 4663
 Ion Ratio Lower Upper
 244 100
 212 10.4 7.9 11.9
 122 20.0 15.0 22.6





#33

Chrysene

Concen: 0.028 ng

RT: 21.367 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038369.D

Acq: 13 Dec 2025 03:03

Instrument :

BNA_N

ClientSampleId :

COAN3

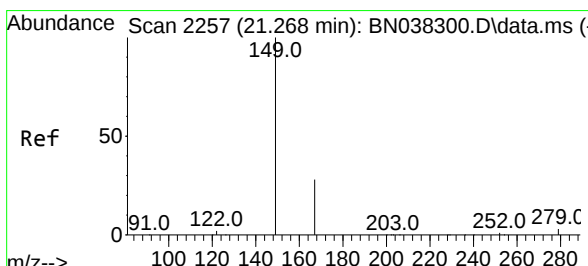
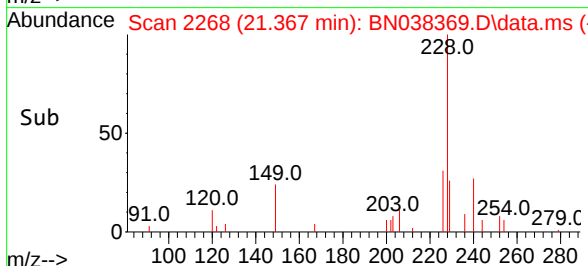
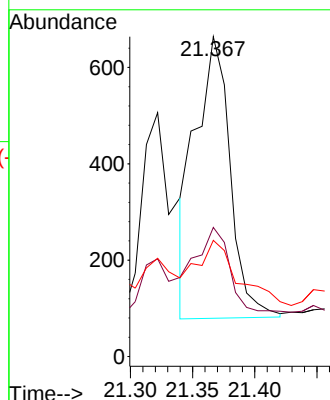
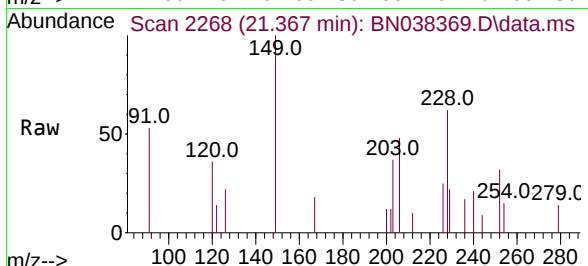
Tgt Ion:228 Resp: 1143

Ion Ratio Lower Upper

228 100

226 40.4 25.0 37.4#

229 36.3 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.051 ng

RT: 21.259 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN038369.D

Acq: 13 Dec 2025 03:03

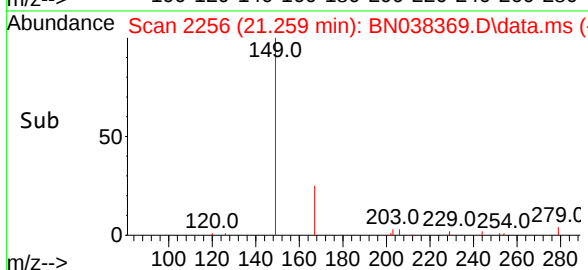
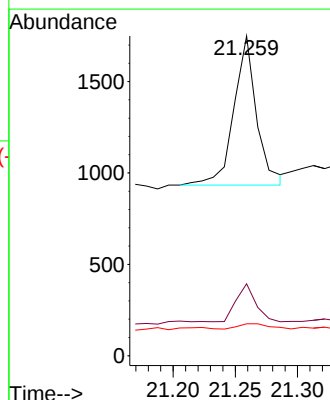
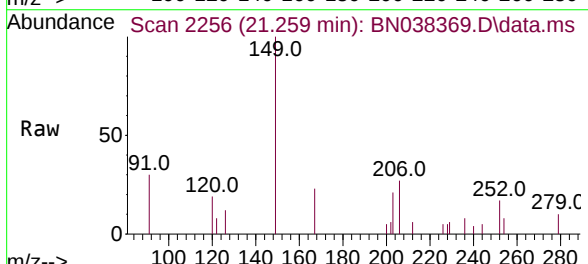
Tgt Ion:149 Resp: 1037

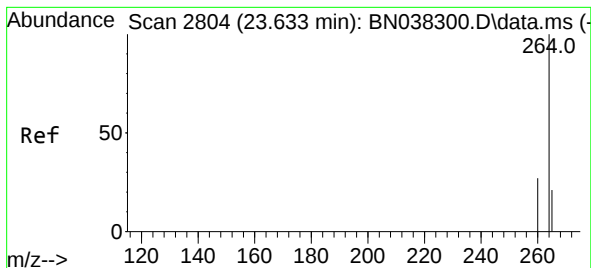
Ion Ratio Lower Upper

149 100

167 21.8 21.4 32.0

279 4.9 2.4 3.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.622 min Scan# 2800

Delta R.T. -0.012 min

Lab File: BN038369.D

Acq: 13 Dec 2025 03:03

Instrument :

BNA_N

ClientSampleId :

COAN3

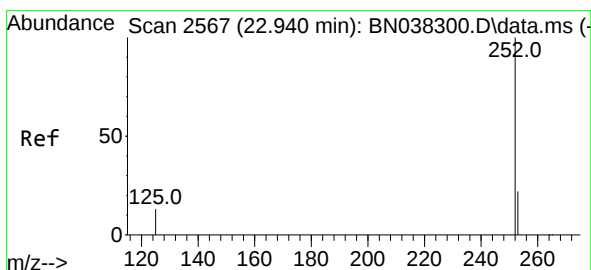
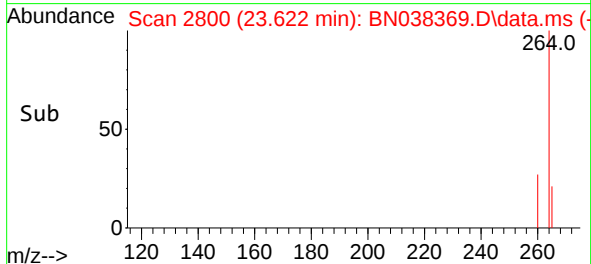
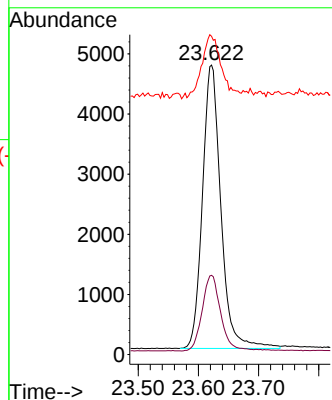
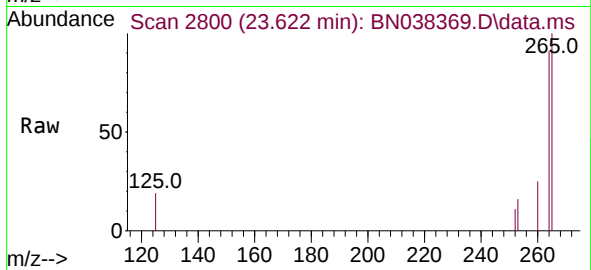
Tgt Ion:264 Resp: 10050

Ion Ratio Lower Upper

264 100

260 27.4 22.2 33.2

265 110.0 80.2 120.2



#37

Benzo(b)fluoranthene

Concen: 0.026 ng

RT: 22.932 min Scan# 2564

Delta R.T. -0.014 min

Lab File: BN038369.D

Acq: 13 Dec 2025 03:03

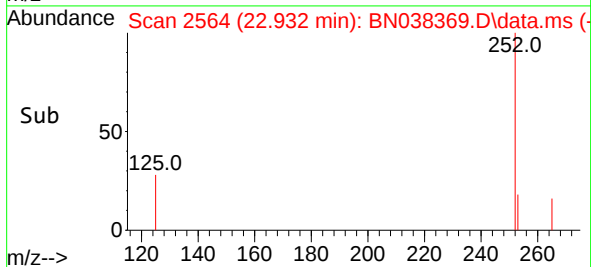
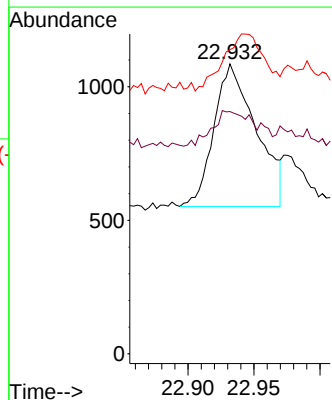
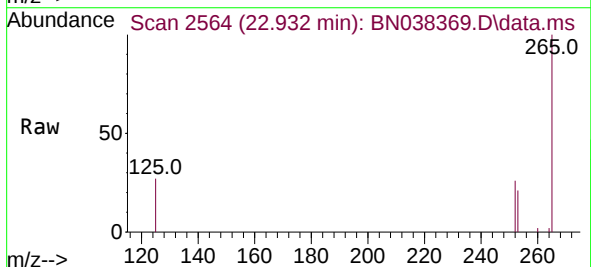
Tgt Ion:252 Resp: 1190

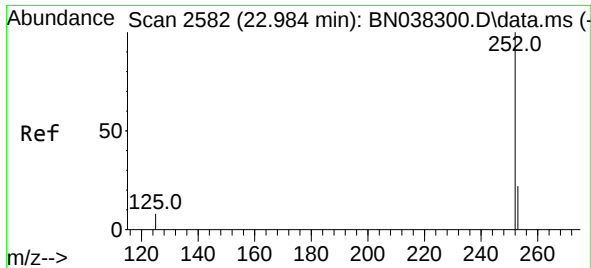
Ion Ratio Lower Upper

252 100

253 83.5 21.1 31.7#

125 104.9 16.4 24.6#





#38

Benzo(k)fluoranthene

Concen: 0.026 ng

RT: 22.932 min Scan# 21

Delta R.T. -0.058 min

Lab File: BN038369.D

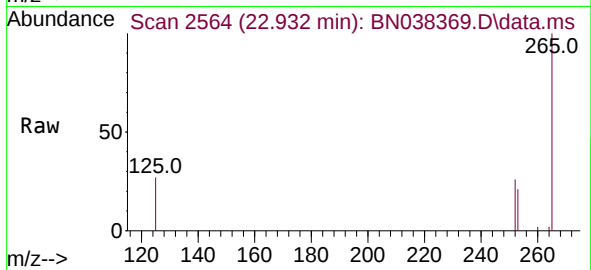
Acq: 13 Dec 2025 03:03

Instrument :

BNA_N

ClientSampleId :

COAN3



Tgt Ion:252 Resp: 1190

Ion Ratio Lower Upper

252 100

253 83.5 21.4 32.0#

125 104.9 16.2 24.2#

