

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038406.D
 Acq On : 15 Dec 2025 15:57
 Operator : RC/JU
 Sample : Q3839-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN3

Quant Time: Dec 15 16:23:41 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)

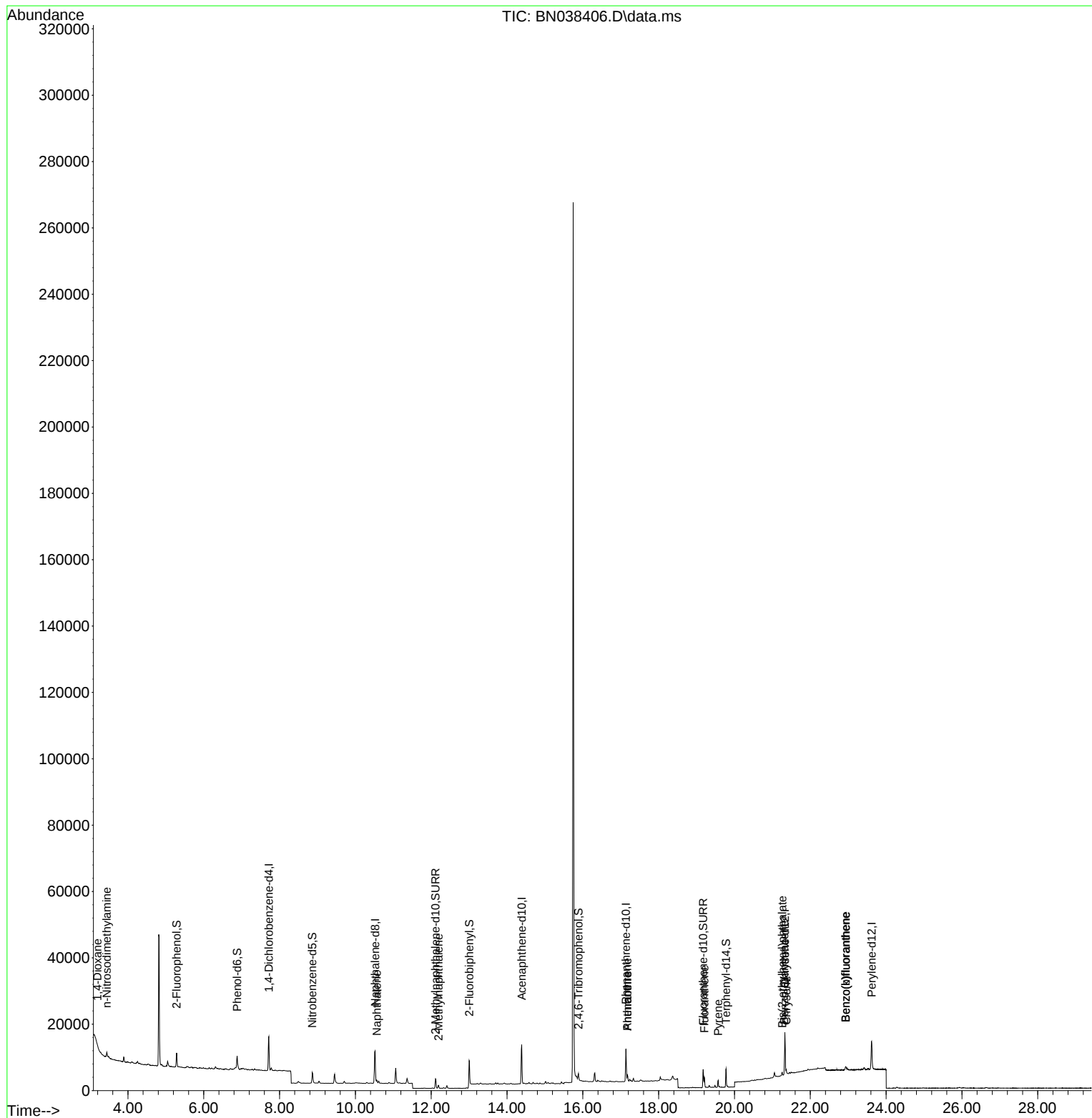
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5307	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	14210	0.400	ng	-0.01
13) Acenaphthene-d10	14.388	164	7090	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	12510	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	10898	0.400	ng	0.00
35) Perylene-d12	23.616	264	11692	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3508	0.265	ng	0.00
5) Phenol-d6	6.879	99	3804	0.242	ng	0.00
8) Nitrobenzene-d5	8.865	82	2818	0.235	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	4124	0.206	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	1060	0.337	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	9674	0.283	ng	0.00
27) Fluoranthene-d10	19.174	212	5976	0.193	ng	-0.01
31) Terphenyl-d14	19.777	244	5217	0.215	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	188	0.031	ng	# 37
3) n-Nitrosodimethylamine	3.442	42	373	0.049	ng	# 1
9) Naphthalene	10.562	128	1244	0.030	ng	# 82
12) 2-Methylnaphthalene	12.192	142	670	0.025	ng	# 88
25) Phenanthrene	17.173	178	2218	0.051	ng	97
26) Anthracene	17.173	178	2218	0.059	ng	97
28) Fluoranthene	19.206	202	2642	0.057	ng	# 95
30) Pyrene	19.568	202	1782	0.033	ng	# 94
32) Benzo(a)anthracene	21.313	228	860	0.020	ng	# 68
33) Chrysene	21.366	228	1450	0.031	ng	# 82
34) Bis(2-ethylhexyl)phtha...	21.259	149	1149	0.050	ng	# 99
37) Benzo(b)fluoranthene	22.932	252	1447	0.027	ng	# 1
38) Benzo(k)fluoranthene	22.932	252	1447	0.027	ng	# 1

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

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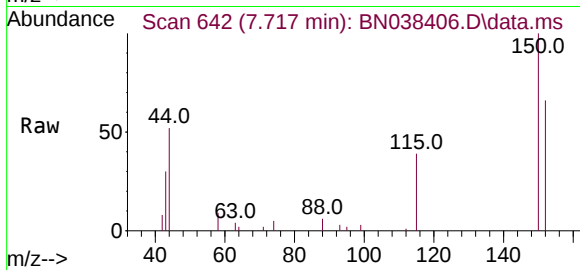
Quant Time: Dec 15 16:23:41 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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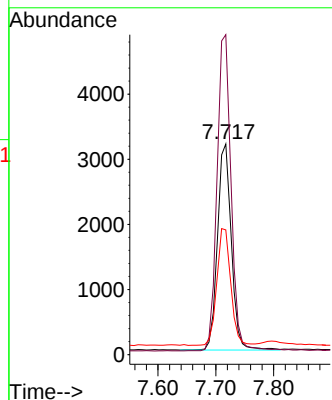
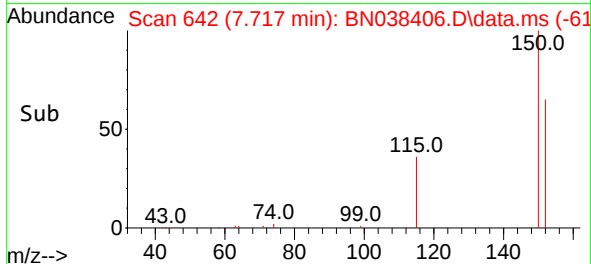


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN038406.D
 Acq: 15 Dec 2025 15:57

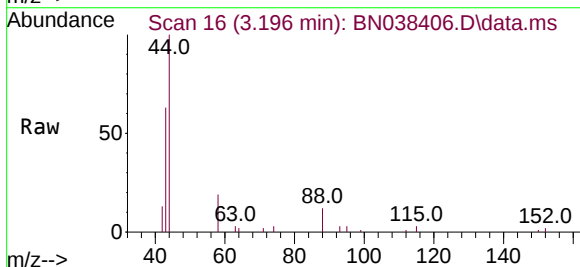
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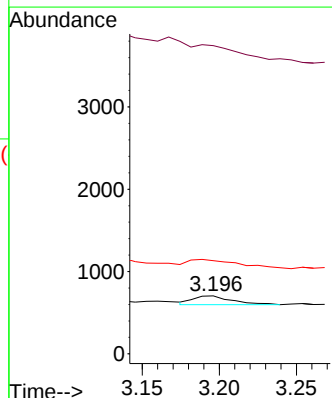
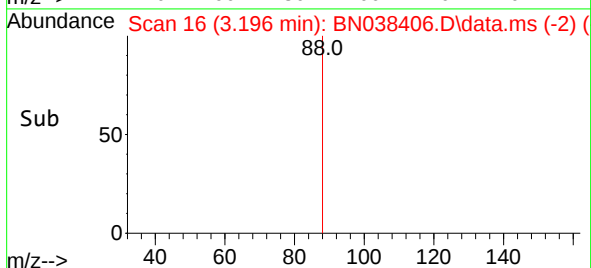
Tgt Ion:152 Resp: 5307
 Ion Ratio Lower Upper
 152 100
 150 151.9 122.4 183.6
 115 59.2 47.3 70.9



#2
 1,4-Dioxane
 Concen: 0.031 ng
 RT: 3.196 min Scan# 16
 Delta R.T. 0.000 min
 Lab File: BN038406.D
 Acq: 15 Dec 2025 15:57



Tgt Ion: 88 Resp: 188
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.9 37.3#
 58 133.5 61.4 92.0#

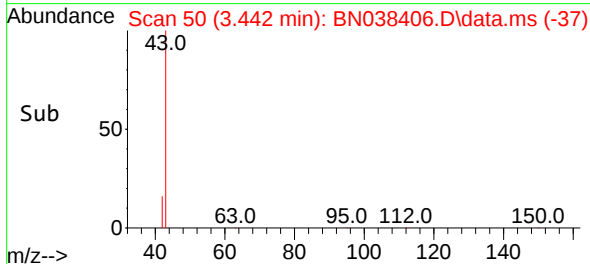
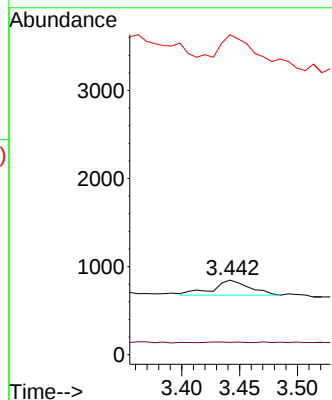
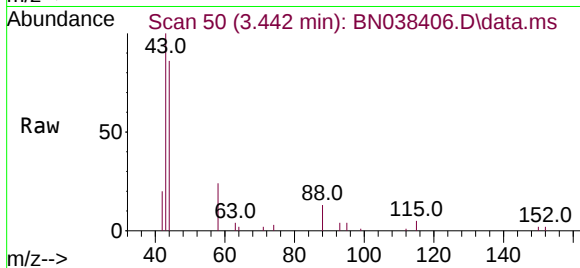




#3
 n-Nitrosodimethylamine
 Concen: 0.049 ng
 RT: 3.442 min Scan# 50
 Delta R.T. -0.058 min
 Lab File: BN038406.D
 Acq: 15 Dec 2025 15:57

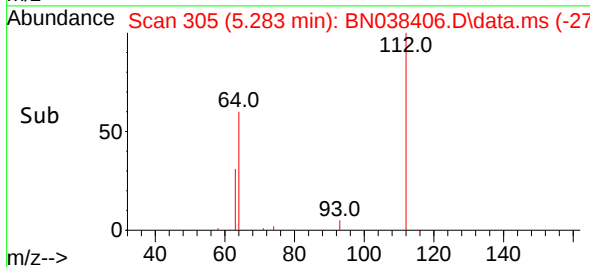
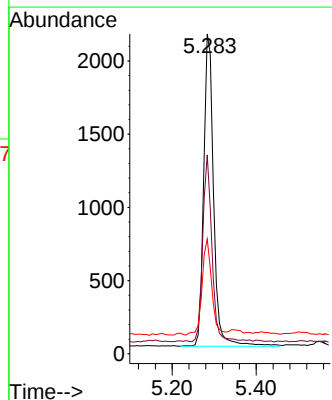
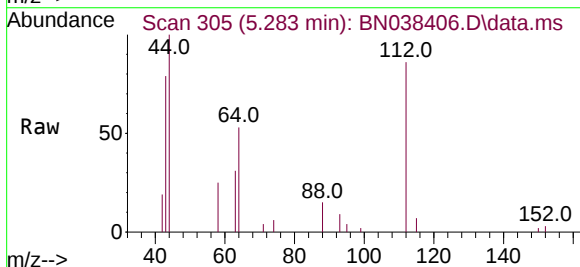
Instrument :
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 ClientSampleId :
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Tgt Ion: 42 Resp: 373
 Ion Ratio Lower Upper
 42 100
 74 3.2 95.3 142.9#
 44 245.3 7.9 11.9#



#4
 2-Fluorophenol
 Concen: 0.265 ng
 RT: 5.283 min Scan# 305
 Delta R.T. -0.007 min
 Lab File: BN038406.D
 Acq: 15 Dec 2025 15:57

Tgt Ion: 112 Resp: 3508
 Ion Ratio Lower Upper
 112 100
 64 55.0 44.4 66.6
 63 29.7 23.4 35.0

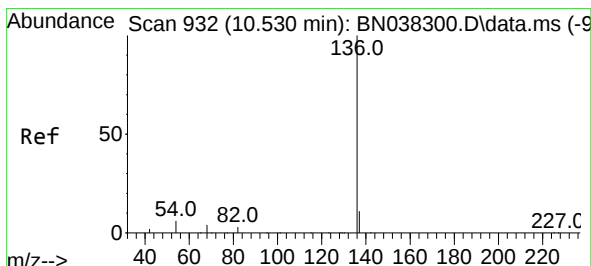
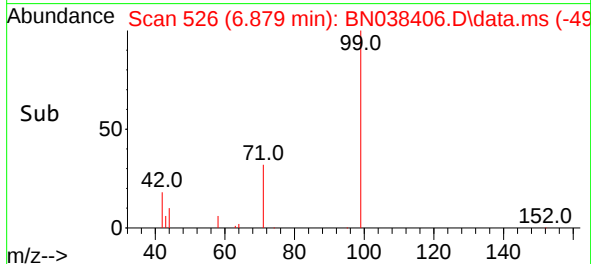
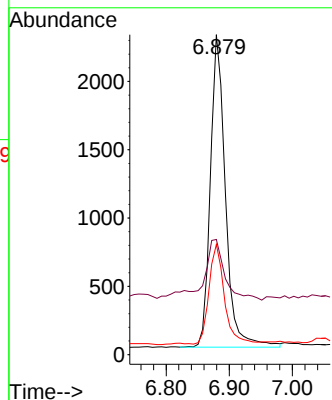
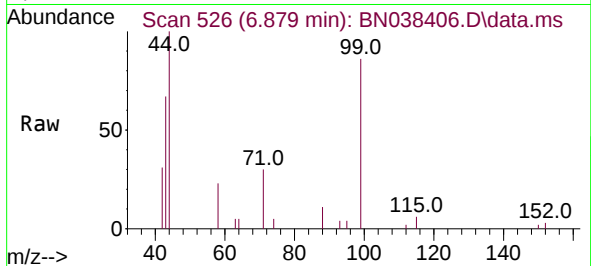




#5
Phenol-d6
Concen: 0.242 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

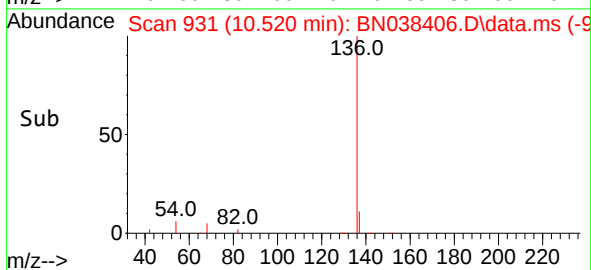
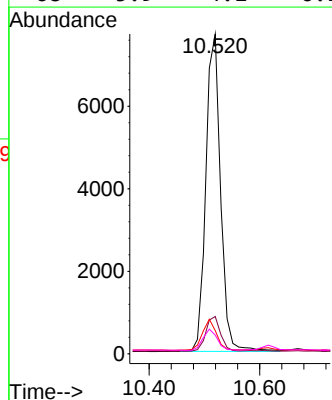
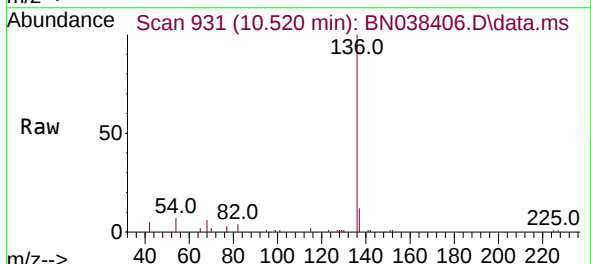
Instrument :
BNA_N
ClientSampleId :
COAN3

Tgt Ion:	99	Resp:	3804
Ion	Ratio	Lower	Upper
99	100		
42	23.6	16.5	24.7
71	32.6	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: BN038406.D
Acq: 15 Dec 2025 15:57

Tgt Ion:	136	Resp:	14210
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	7.3	5.2	7.8
68	5.9	4.1	6.1

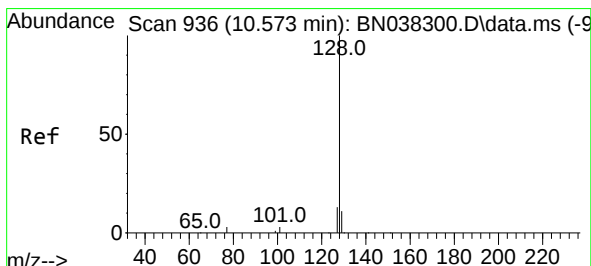
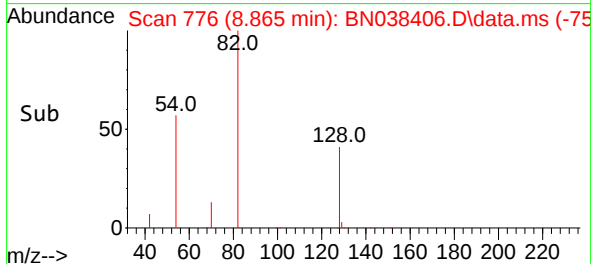
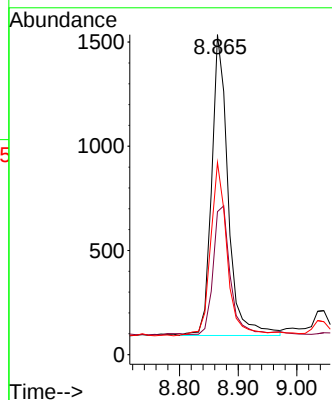
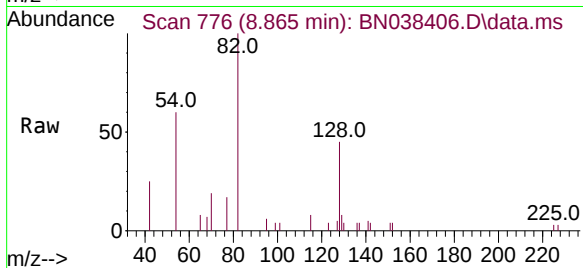




#8
Nitrobenzene-d5
Concen: 0.235 ng
RT: 8.865 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

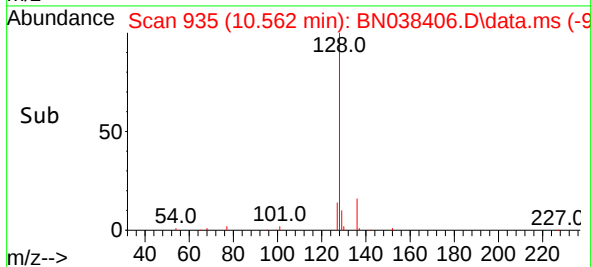
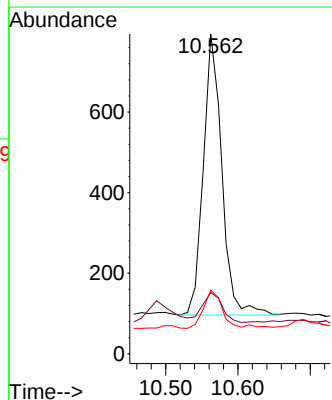
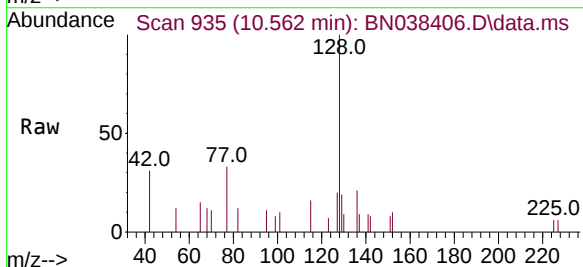
Instrument :
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ClientSampleId :
COAN3

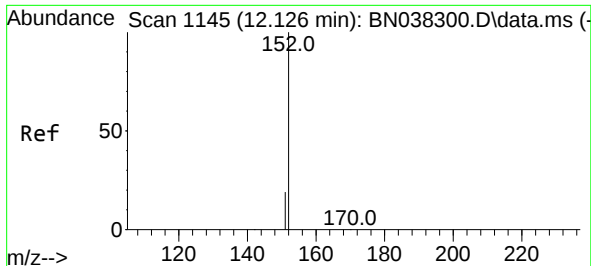
Tgt Ion: 82 Resp: 2818
Ion Ratio Lower Upper
82 100
128 44.7 34.0 51.0
54 60.0 44.4 66.6



#9
Naphthalene
Concen: 0.030 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

Tgt Ion: 128 Resp: 1244
Ion Ratio Lower Upper
128 100
129 19.1 9.1 13.7#
127 19.9 10.9 16.3#

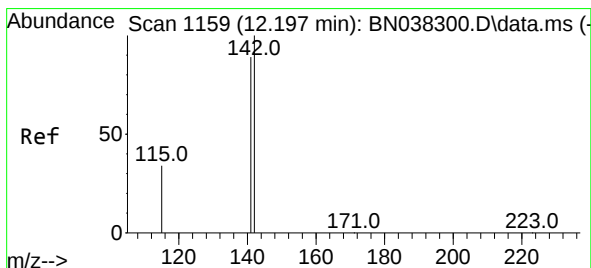
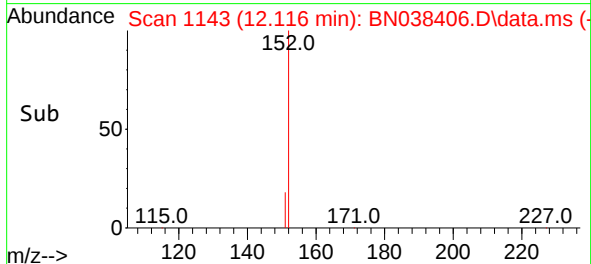
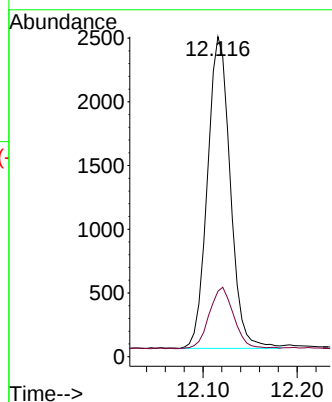
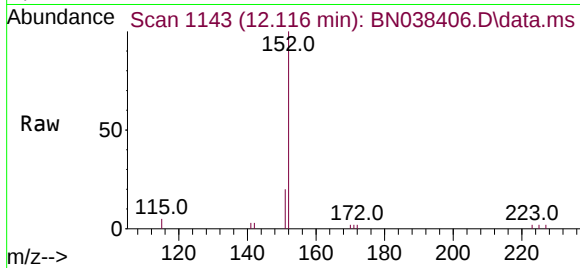




#11
2-Methylnaphthalene-d10
Concen: 0.206 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

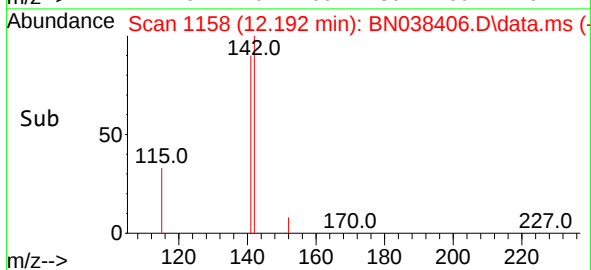
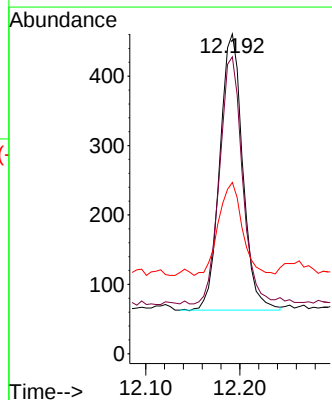
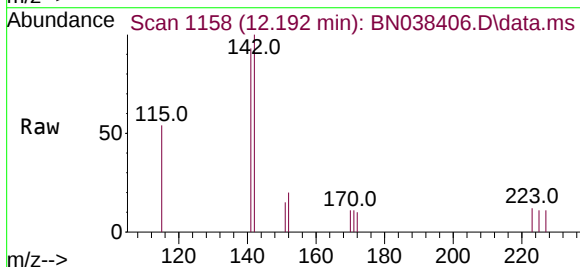
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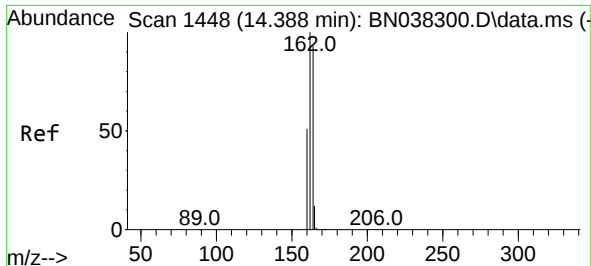
Tgt Ion:152 Resp: 4124
Ion Ratio Lower Upper
152 100
151 21.1 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.025 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

Tgt Ion:142 Resp: 670
Ion Ratio Lower Upper
142 100
141 92.8 71.4 107.2
115 53.6 28.4 42.6#

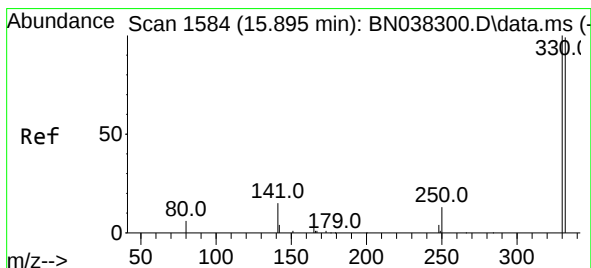
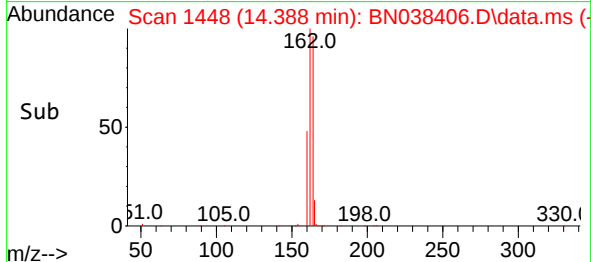
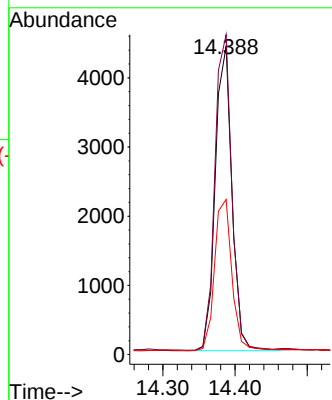
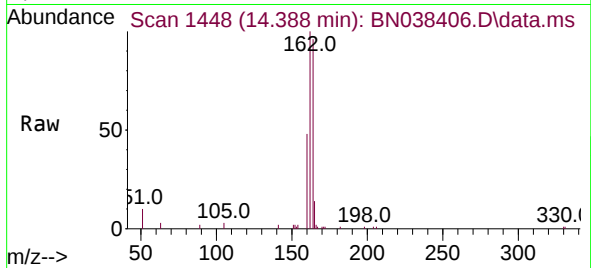




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

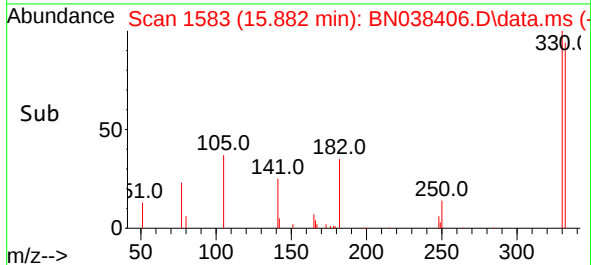
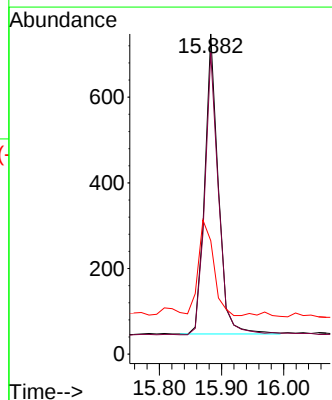
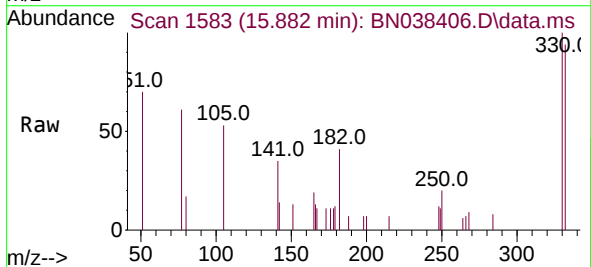
Instrument :
BNA_N
ClientSampleId :
COAN3

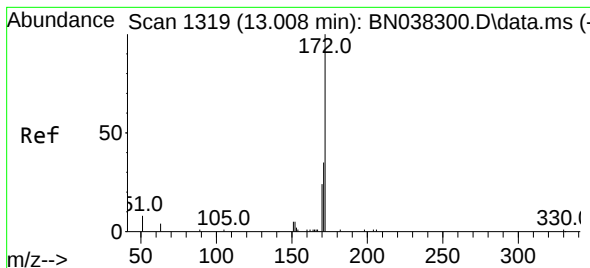
Tgt Ion:164 Resp: 7090
Ion Ratio Lower Upper
164 100
162 103.7 86.2 129.4
160 50.3 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

Tgt Ion:330 Resp: 1060
Ion Ratio Lower Upper
330 100
332 96.8 75.8 113.6
141 35.5 31.8 47.8





#15

2-Fluorobiphenyl

Concen: 0.283 ng

RT: 13.003 min Scan# 1319

Delta R.T. -0.005 min

Lab File: BN038406.D

Acq: 15 Dec 2025 15:57

Instrument :

BNA_N

ClientSampleId :

COAN3

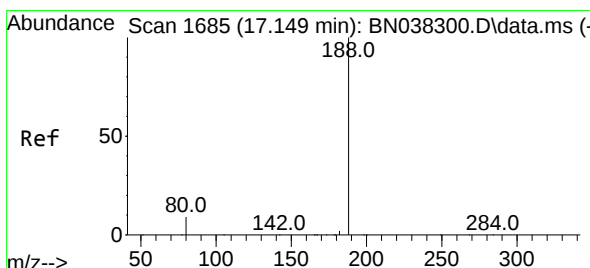
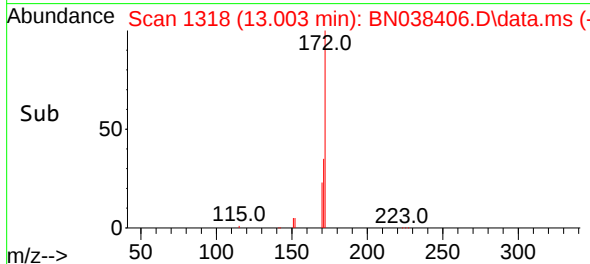
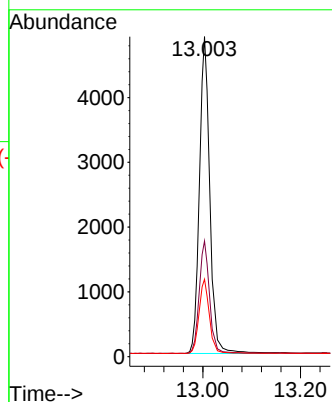
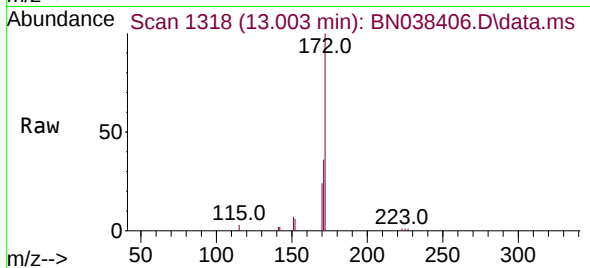
Tgt Ion:172 Resp: 9674

Ion Ratio Lower Upper

172 100

171 36.1 28.6 42.8

170 24.2 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: BN038406.D

Acq: 15 Dec 2025 15:57

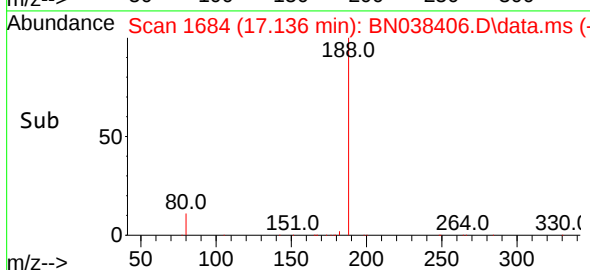
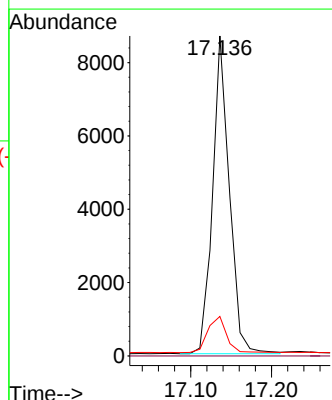
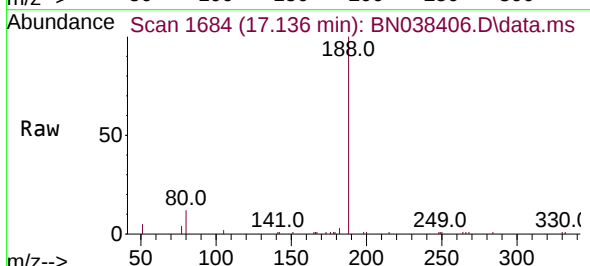
Tgt Ion:188 Resp: 12510

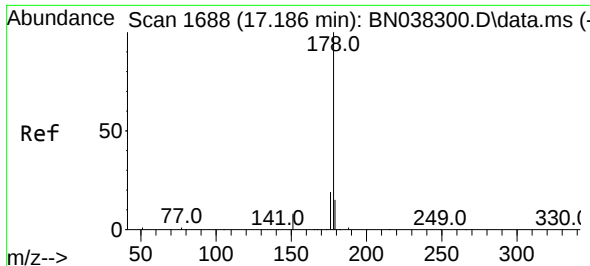
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.3 7.4 11.0#

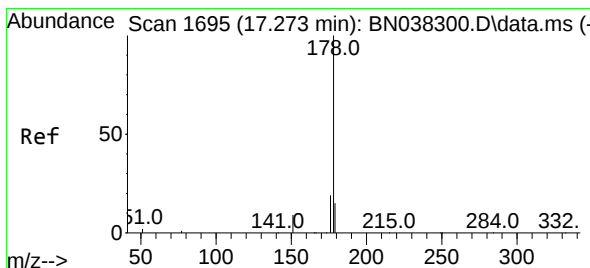
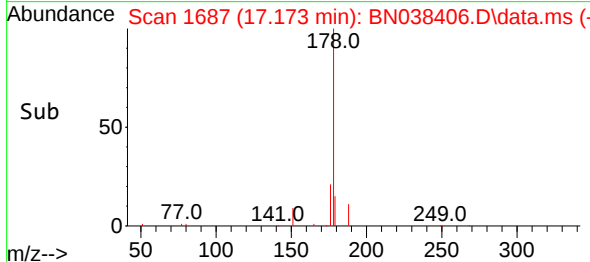
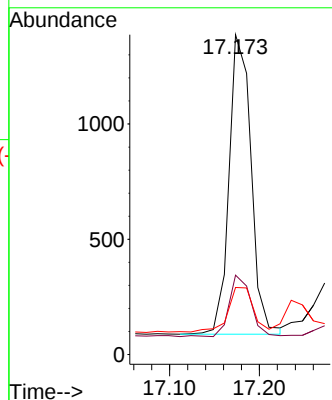
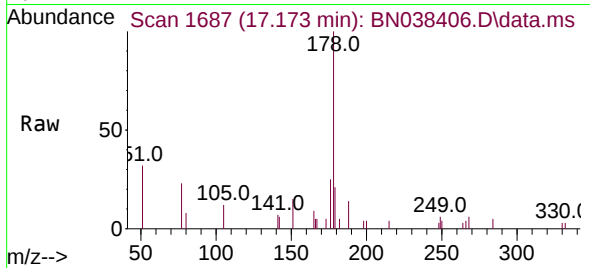




#25
Phenanthrene
Concen: 0.051 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

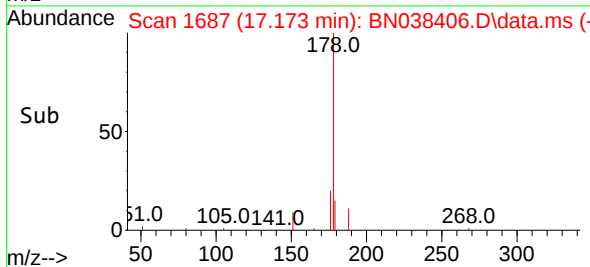
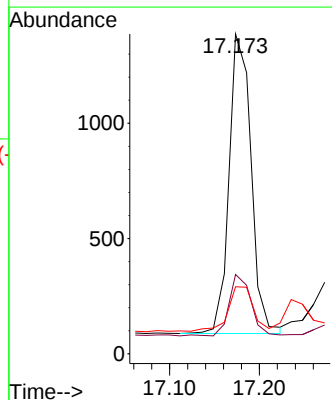
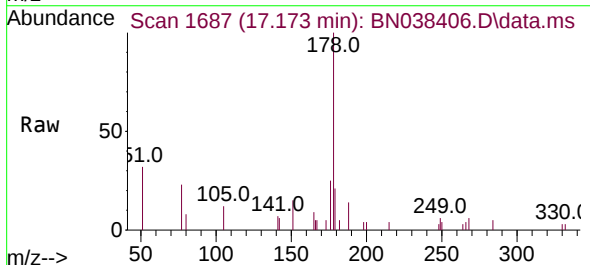
Instrument :
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ClientSampleId :
COAN3

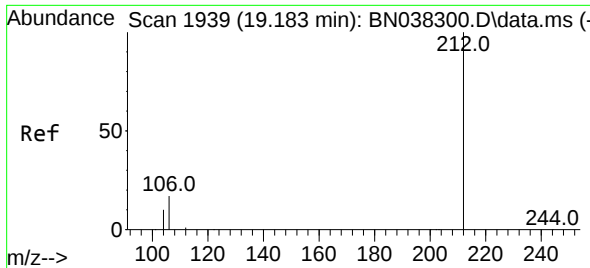
Tgt Ion:178 Resp: 2218
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 17.2 12.2 18.2



#26
Anthracene
Concen: 0.059 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.112 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

Tgt Ion:178 Resp: 2218
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 16.9 12.0 18.0

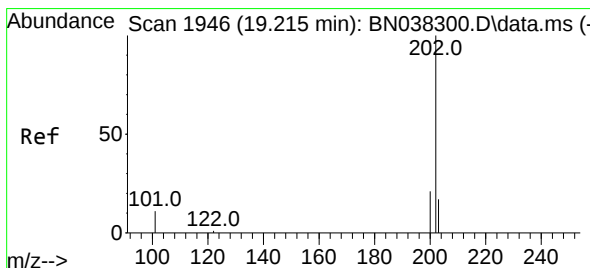
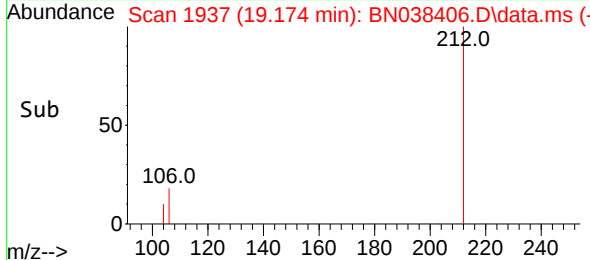
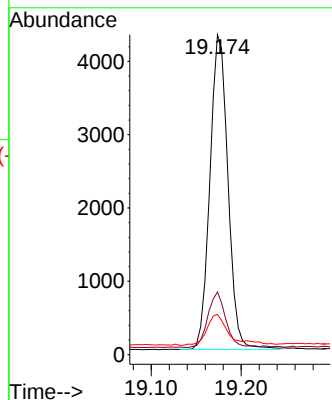
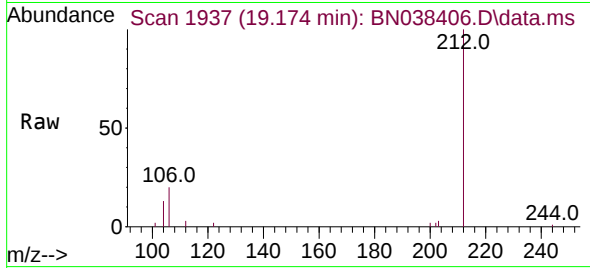




#27
Fluoranthene-d10
Concen: 0.193 ng
RT: 19.174 min Scan# 1937
Delta R.T. -0.014 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

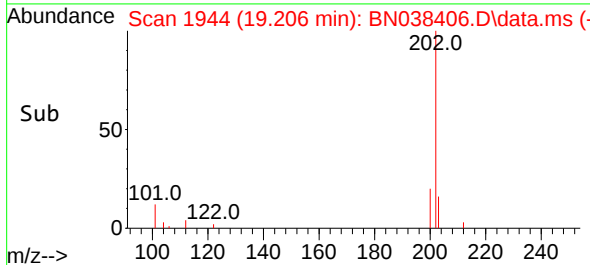
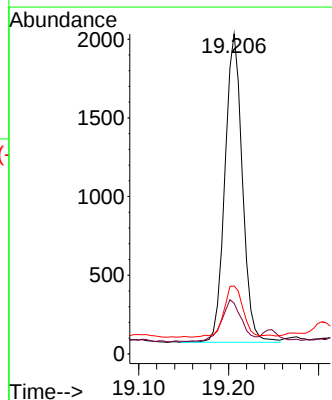
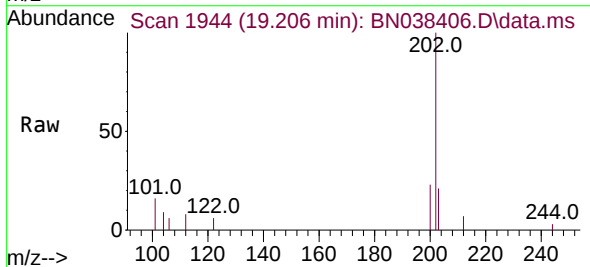
Instrument :
BNA_N
ClientSampleId :
COAN3

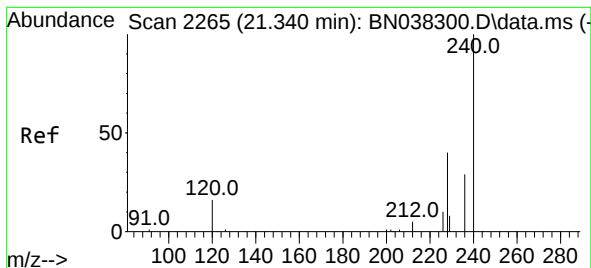
Tgt Ion:212 Resp: 5976
Ion Ratio Lower Upper
212 100
106 17.4 13.7 20.5
104 12.1 7.8 11.8#



#28
Fluoranthene
Concen: 0.057 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

Tgt Ion:202 Resp: 2642
Ion Ratio Lower Upper
202 100
101 15.2 9.6 14.4#
203 18.3 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: BN038406.D

Acq: 15 Dec 2025 15:57

Instrument :

BNA_N

ClientSampleId :

COAN3

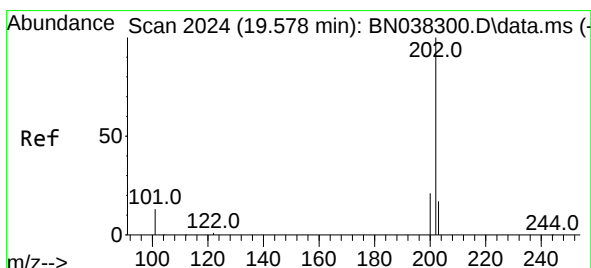
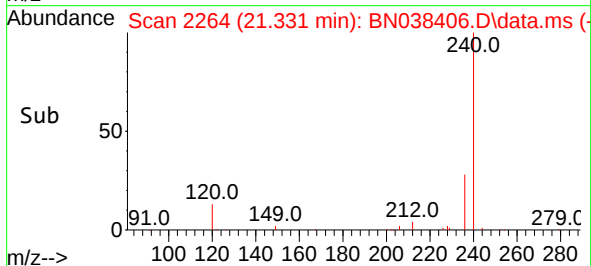
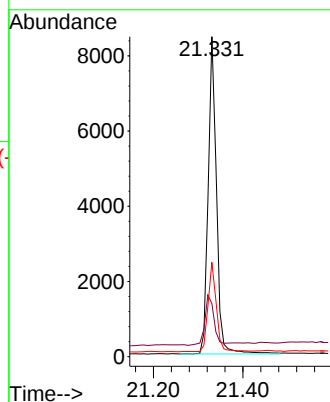
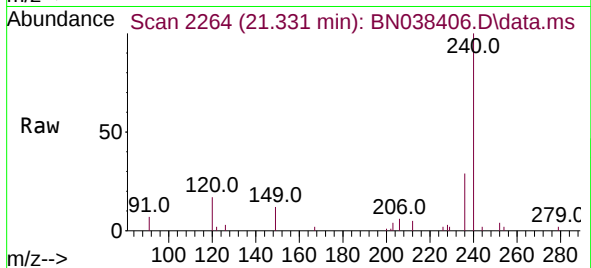
Tgt Ion:240 Resp: 10898

Ion Ratio Lower Upper

240 100

120 16.6 15.4 23.2

236 29.5 23.9 35.9



#30

Pyrene

Concen: 0.033 ng

RT: 19.568 min Scan# 2022

Delta R.T. -0.014 min

Lab File: BN038406.D

Acq: 15 Dec 2025 15:57

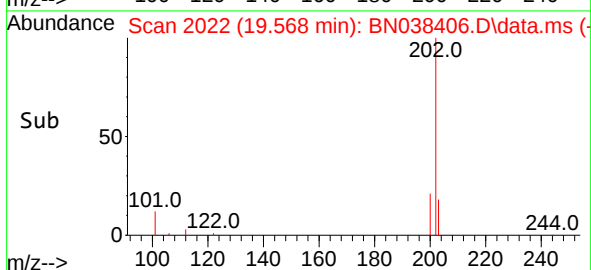
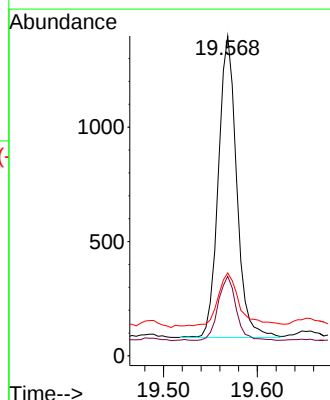
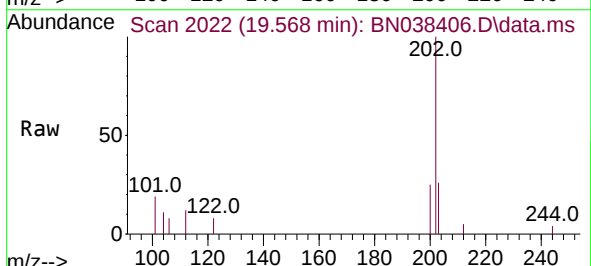
Tgt Ion:202 Resp: 1782

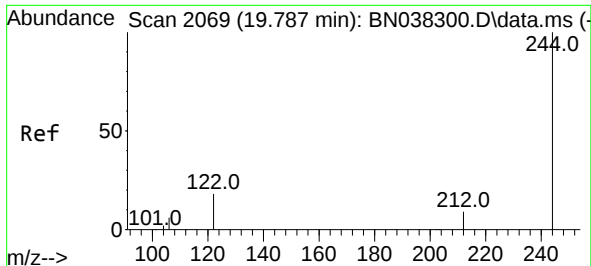
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 23.5 14.2 21.2#

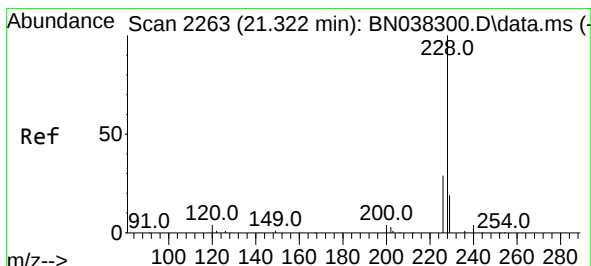
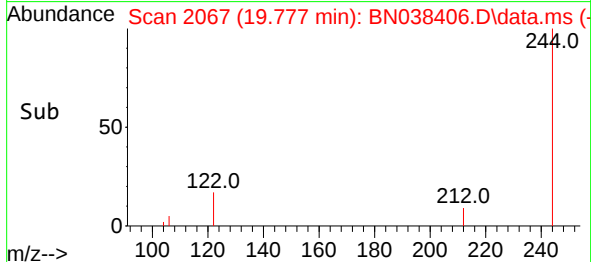
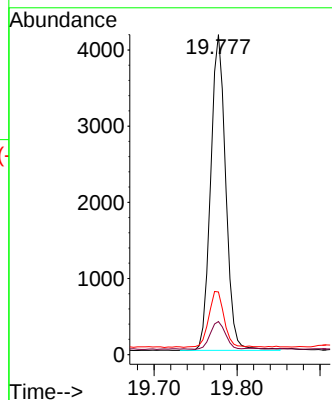
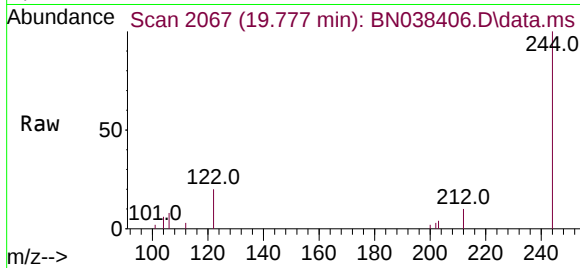




#31
 Terphenyl-d14
 Concen: 0.215 ng
 RT: 19.777 min Scan# 2069
 Delta R.T. -0.014 min
 Lab File: BN038406.D
 Acq: 15 Dec 2025 15:57

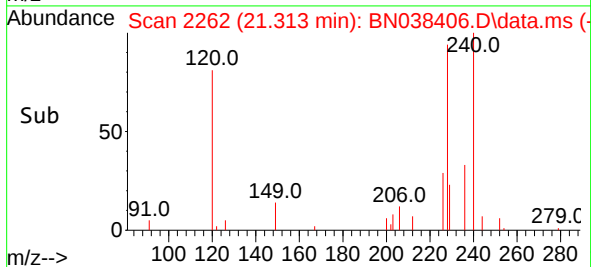
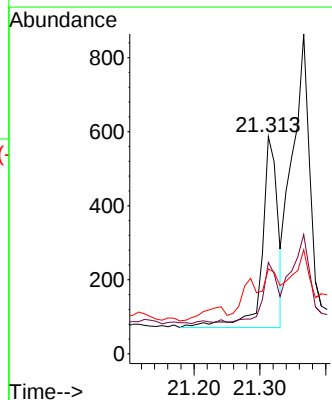
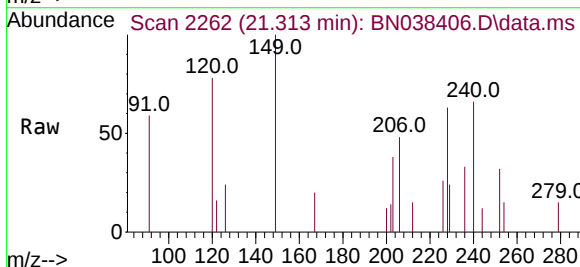
Instrument :
 BNA_N
 ClientSampleId :
 COAN3

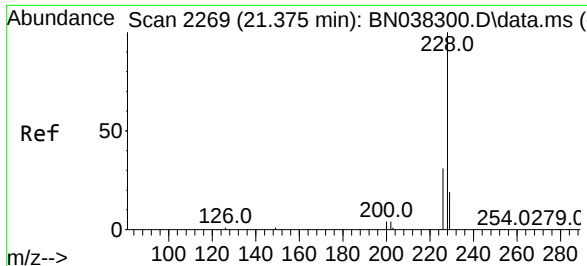
Tgt Ion:244 Resp: 5217
 Ion Ratio Lower Upper
 244 100
 212 10.3 7.9 11.9
 122 19.6 15.0 22.6



#32
 Benzo(a)anthracene
 Concen: 0.020 ng
 RT: 21.313 min Scan# 2262
 Delta R.T. -0.018 min
 Lab File: BN038406.D
 Acq: 15 Dec 2025 15:57

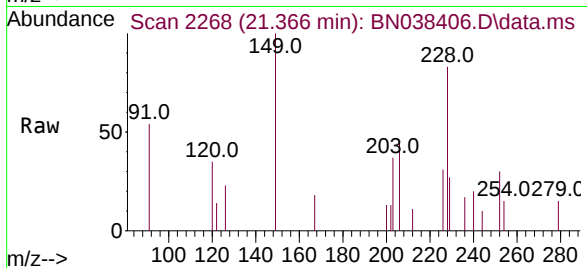
Tgt Ion:228 Resp: 860
 Ion Ratio Lower Upper
 228 100
 226 42.1 23.3 34.9#
 229 39.0 15.7 23.5#



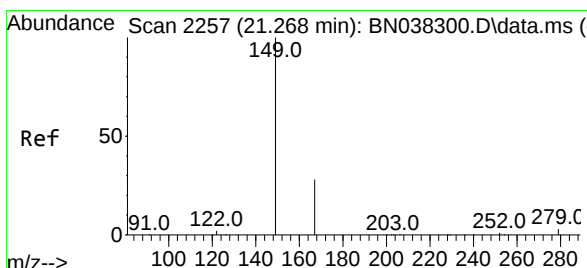
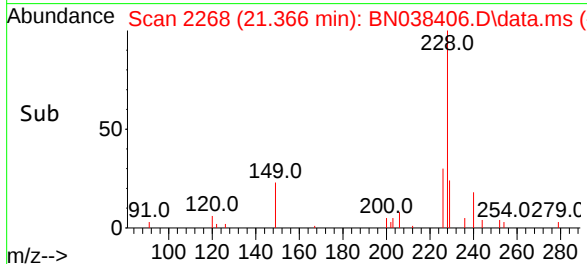
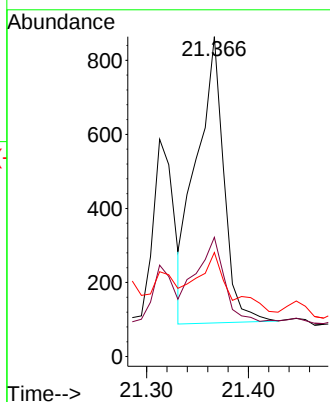


#33
Chrysene
Concen: 0.031 ng
RT: 21.366 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

Instrument :
BNA_N
ClientSampleId :
COAN3

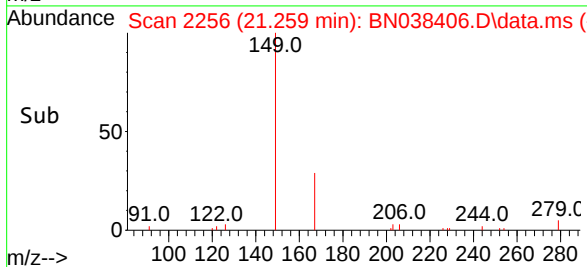
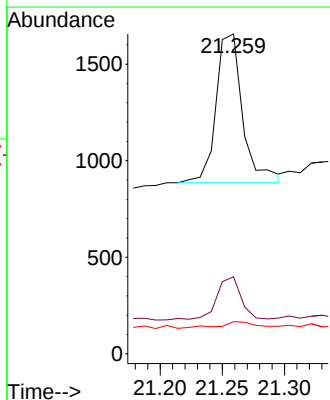
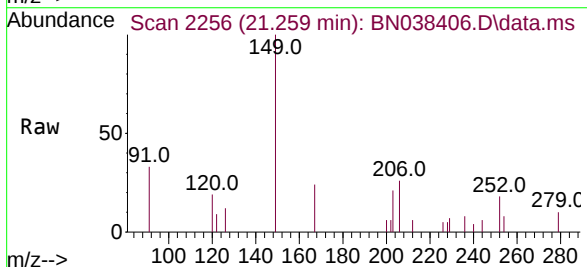


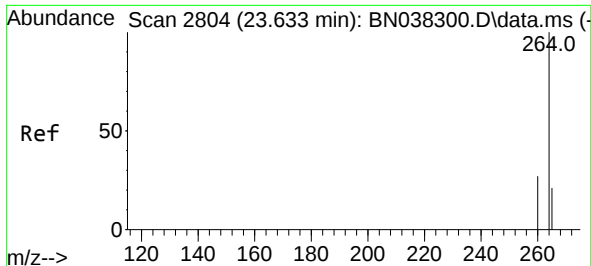
Tgt Ion:228 Resp: 1450
Ion Ratio Lower Upper
228 100
226 37.3 25.0 37.4
229 32.5 15.5 23.3#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.050 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.009 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

Tgt Ion:149 Resp: 1149
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 6.5 2.4 3.6#

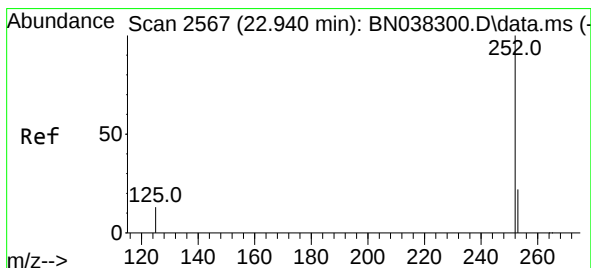
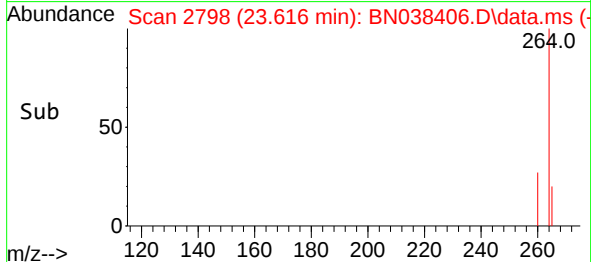
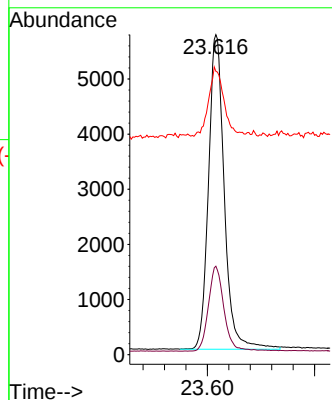
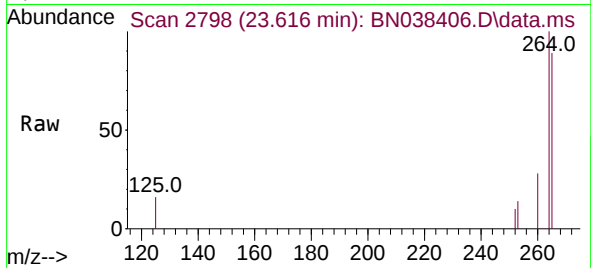




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.616 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BN038406.D
 Acq: 15 Dec 2025 15:57

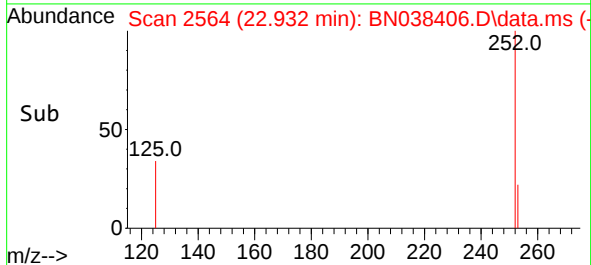
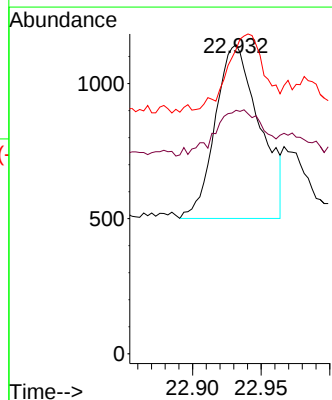
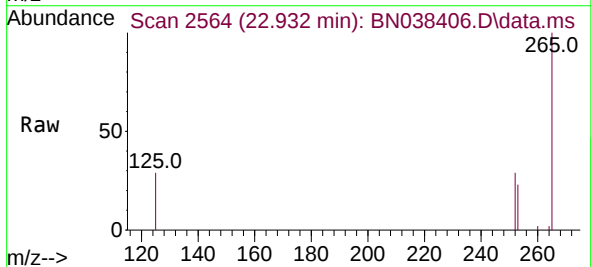
Instrument :
 BNA_N
 ClientSampleId :
 COAN3

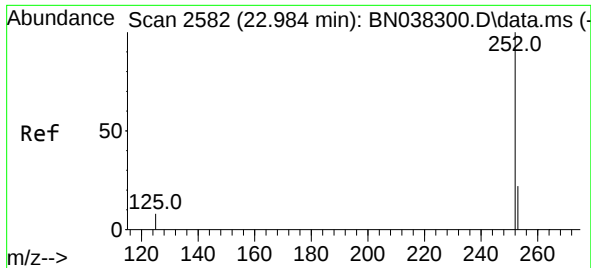
Tgt Ion:264 Resp: 11692
 Ion Ratio Lower Upper
 264 100
 260 27.6 22.2 33.2
 265 88.5 80.2 120.2



#37
 Benzo(b)fluoranthene
 Concen: 0.027 ng
 RT: 22.932 min Scan# 2564
 Delta R.T. -0.015 min
 Lab File: BN038406.D
 Acq: 15 Dec 2025 15:57

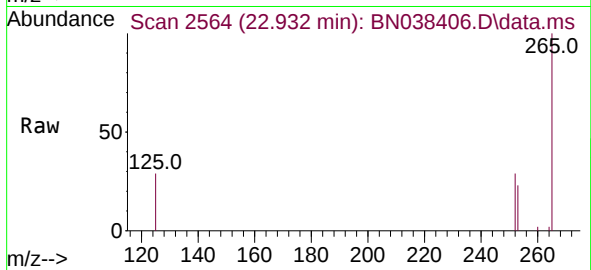
Tgt Ion:252 Resp: 1447
 Ion Ratio Lower Upper
 252 100
 253 78.8 21.1 31.7#
 125 98.4 16.4 24.6#





#38
Benzo(k)fluoranthene
Concen: 0.027 ng
RT: 22.932 min Scan# 21
Delta R.T. -0.058 min
Lab File: BN038406.D
Acq: 15 Dec 2025 15:57

Instrument :
BNA_N
ClientSampleId :
C0AN3



Tgt Ion:252 Resp: 1447
Ion Ratio Lower Upper
252 100
253 78.8 21.4 32.0#
125 98.4 16.2 24.2#

