

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121625\
 Data File : BN038464.D
 Acq On : 17 Dec 2025 05:00
 Operator : RC/JU
 Sample : Q3882-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 COAM8

Quant Time: Dec 17 06:43:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

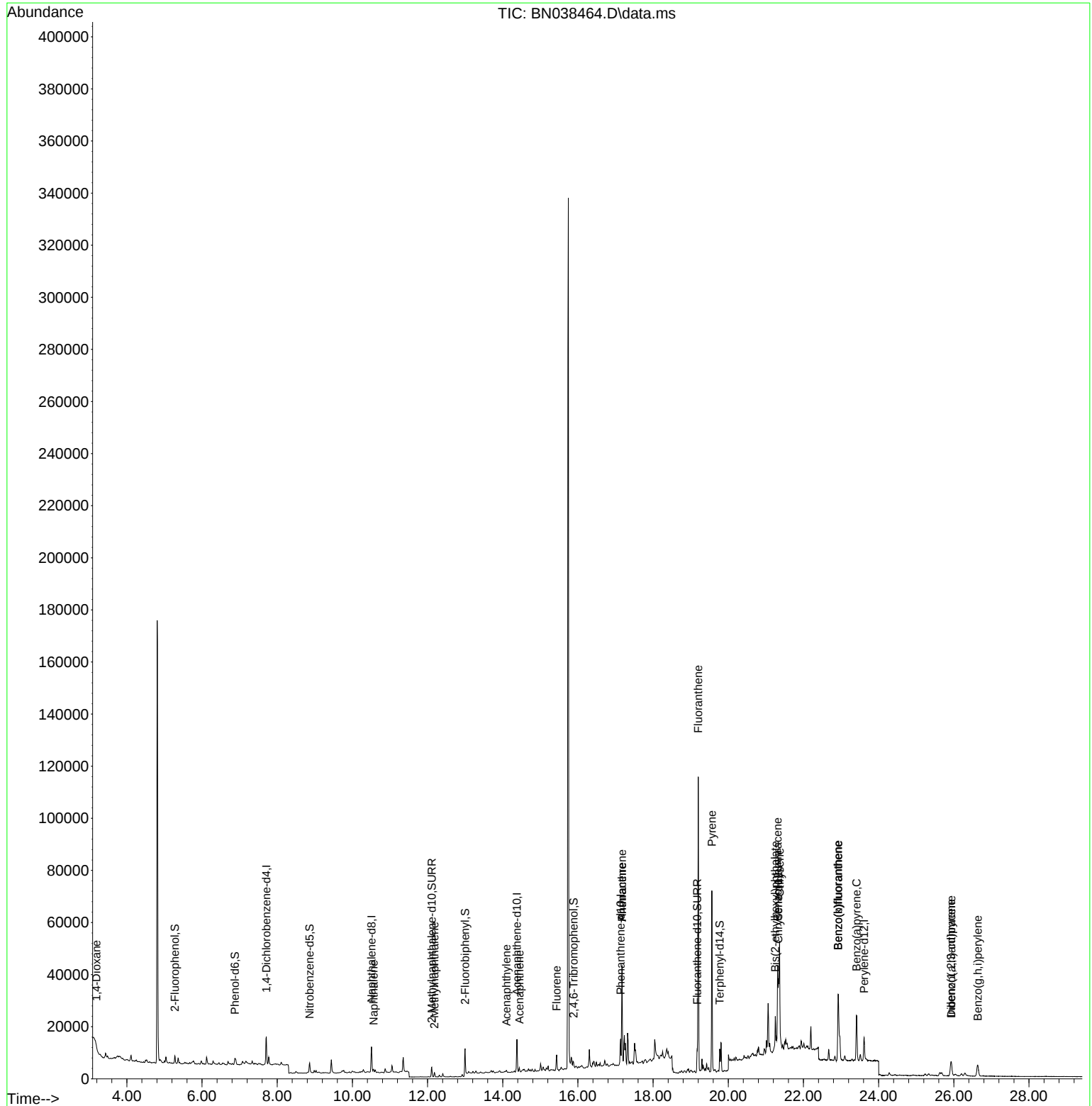
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	4849	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	12962	0.400	ng	#-0.02
13) Acenaphthene-d10	14.377	164	6727	0.400	ng	-0.02
19) Phenanthrene-d10	17.136	188	12863	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	11472	0.400	ng	0.00
35) Perylene-d12	23.613	264	11850	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.276	112	2378	0.197	ng	-0.01
5) Phenol-d6	6.872	99	2019	0.141	ng	-0.01
8) Nitrobenzene-d5	8.864	82	3379	0.309	ng	-0.01
11) 2-Methylnaphthalene-d10	12.111	152	5150	0.282	ng	-0.02
14) 2,4,6-Tribromophenol	15.882	330	1066	0.357	ng	-0.01
15) 2-Fluorobiphenyl	12.998	172	12637	0.390	ng	-0.01
27) Fluoranthene-d10	19.173	212	8992	0.283	ng	-0.01
31) Terphenyl-d14	19.773	244	7333	0.286	ng	-0.02
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.189	88	468	0.084	ng	# 80
9) Naphthalene	10.562	128	1606	0.042	ng	# 82
12) 2-Methylnaphthalene	12.182	142	1216	0.050	ng	# 94
16) Acenaphthylene	14.099	152	801	0.024	ng	# 90
17) Acenaphthene	14.441	154	784	0.034	ng	96
18) Fluorene	15.435	166	3793	0.128	ng	96
25) Phenanthrene	17.173	178	37264	0.832	ng	99
26) Anthracene	17.173	178	37237	0.965	ng	99
28) Fluoranthene	19.201	202	94958	1.996	ng	98
30) Pyrene	19.564	202	58493	1.036	ng	98
32) Benzo(a)anthracene	21.313	228	26771	0.604	ng	# 94
33) Chrysene	21.366	228	45551	0.934	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.250	149	11110	0.457	ng	98
36) Indeno(1,2,3-cd)pyrene	25.928	276	8530	0.136	ng	98
37) Benzo(b)fluoranthene	22.923	252	50633	0.930	ng	99
38) Benzo(k)fluoranthene	22.923	252	50633	0.933	ng	99
39) Benzo(a)pyrene	23.411	252	23760	0.533	ng	99
40) Dibenzo(a,h)anthracene	25.934	278	3273	0.068	ng	# 56
41) Benzo(g,h,i)perylene	26.636	276	9167	0.169	ng	94

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

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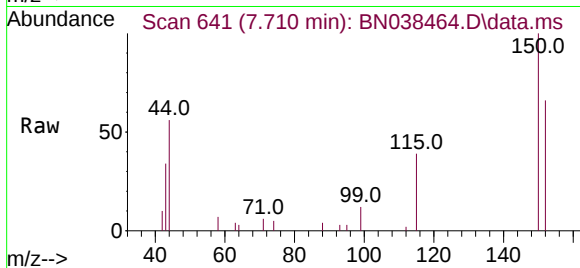
Quant Time: Dec 17 06:43:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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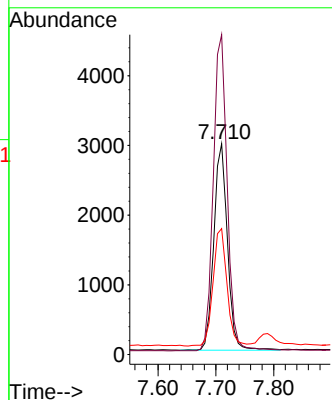
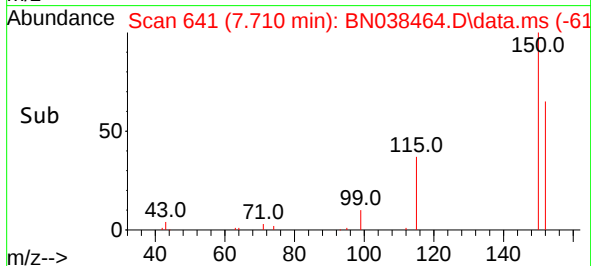
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.014 min
 Lab File: BN038464.D
 Acq: 17 Dec 2025 05:00

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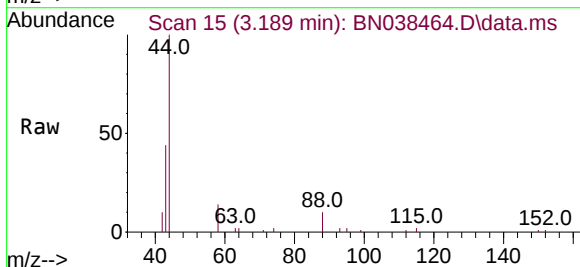


Tgt Ion: 152 Resp: 4849

Ion	Ratio	Lower	Upper
152	100		
150	151.8	122.4	183.6
115	59.8	47.3	70.9

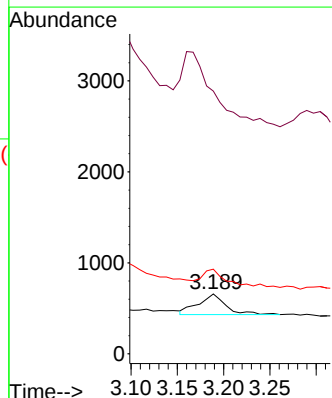
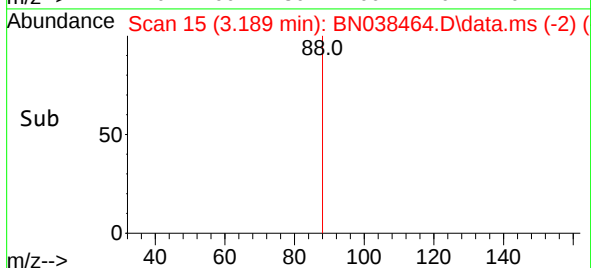


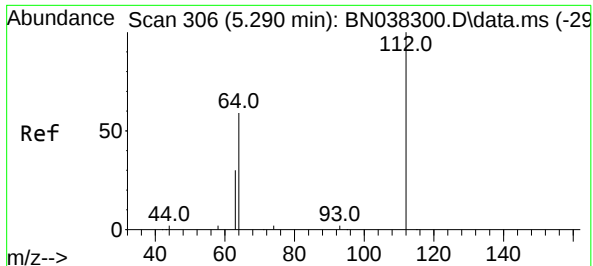
#2
 1,4-Dioxane
 Concen: 0.084 ng
 RT: 3.189 min Scan# 15
 Delta R.T. -0.007 min
 Lab File: BN038464.D
 Acq: 17 Dec 2025 05:00



Tgt Ion: 88 Resp: 468

Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.9	37.3
58	81.4	61.4	92.0

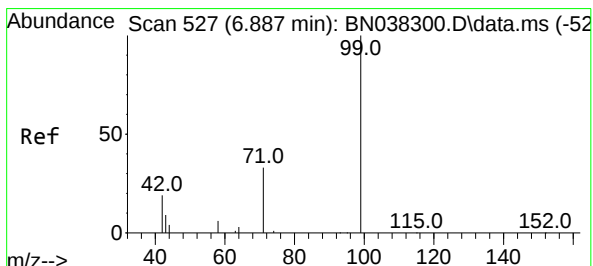
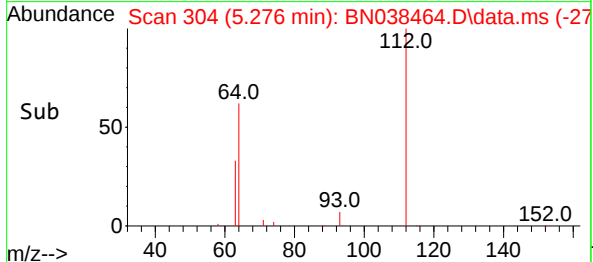
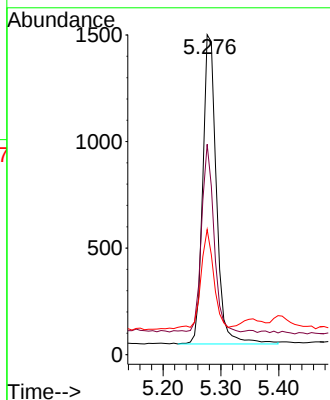
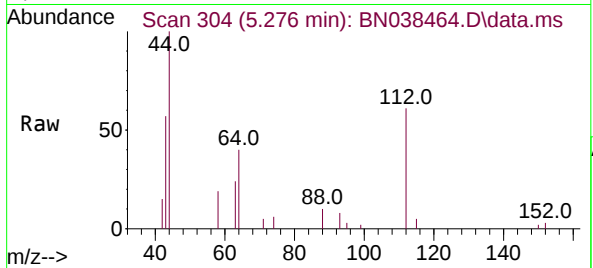




#4
2-Fluorophenol
Concen: 0.197 ng
RT: 5.276 min Scan# 304
Delta R.T. -0.014 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

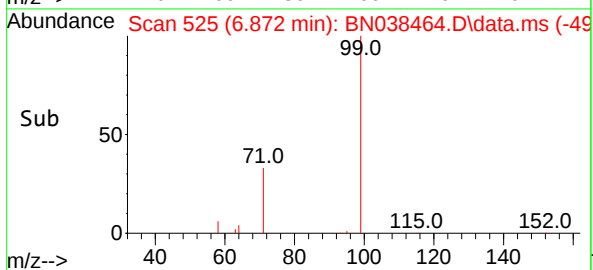
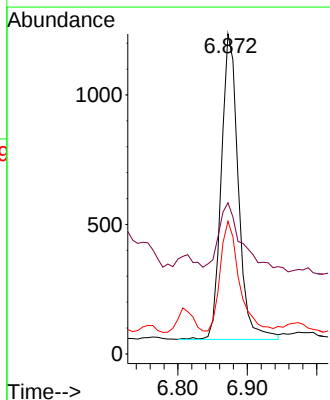
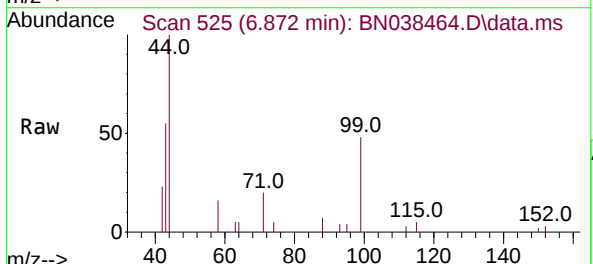
Instrument :
BNA_N
ClientSampleId :
COAM8

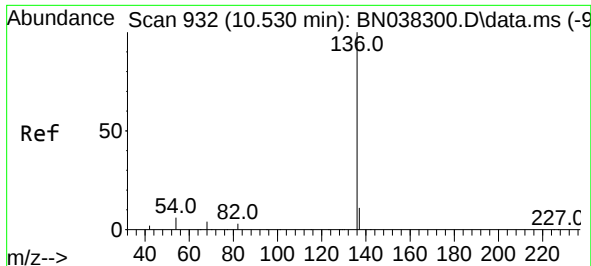
Tgt Ion:	112	Resp:	2378
Ion	Ratio	Lower	Upper
112	100		
64	54.5	44.4	66.6
63	30.6	23.4	35.0



#5
Phenol-d6
Concen: 0.141 ng
RT: 6.872 min Scan# 525
Delta R.T. -0.014 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

Tgt Ion:	99	Resp:	2019
Ion	Ratio	Lower	Upper
99	100		
42	31.9	16.5	24.7#
71	41.0	24.9	37.3#

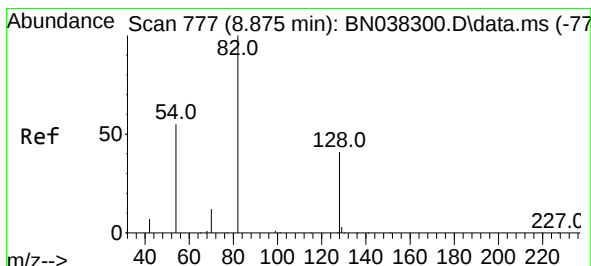
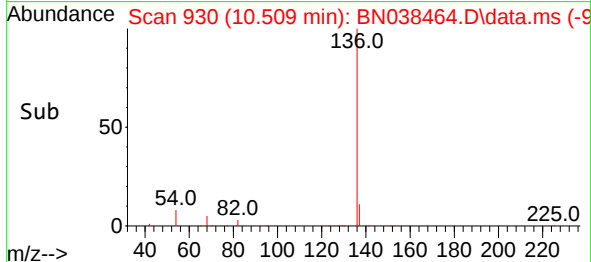
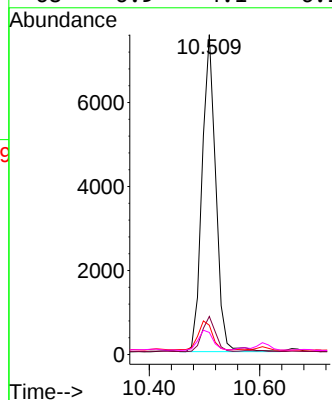
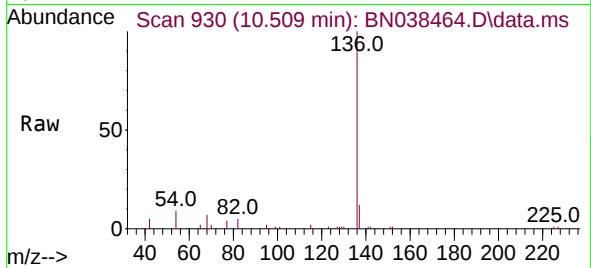




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 931
Delta R.T. -0.021 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

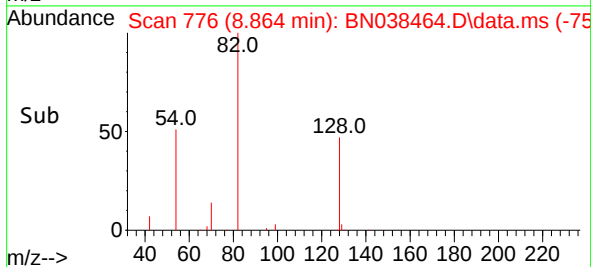
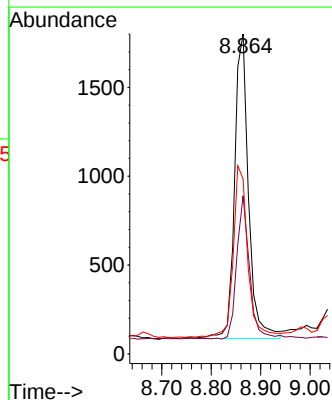
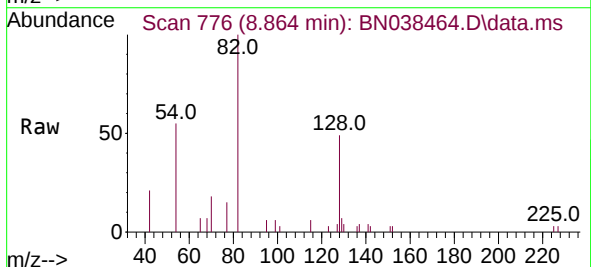
Instrument :
BNA_N
ClientSampleId :
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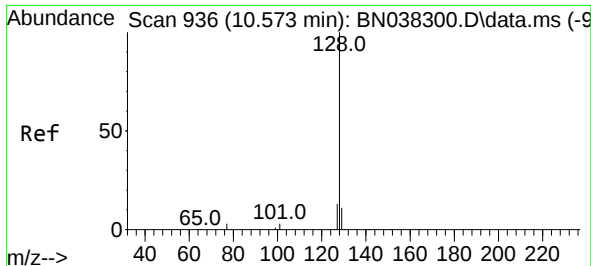
Tgt Ion:136	Resp:	12962
Ion Ratio	Lower	Upper
136	100	
137	11.9	9.1 13.7
54	9.2	5.2 7.8#
68	6.9	4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.309 ng
RT: 8.864 min Scan# 776
Delta R.T. -0.011 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

Tgt Ion: 82	Resp:	3379
Ion Ratio	Lower	Upper
82	100	
128	49.4	34.0 51.0
54	54.7	44.4 66.6

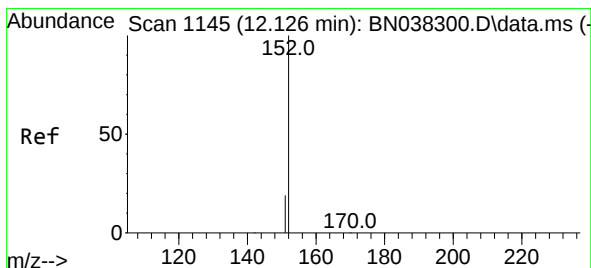
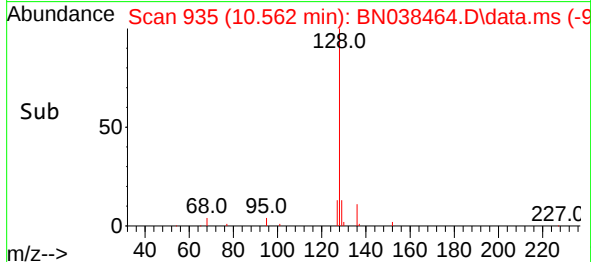
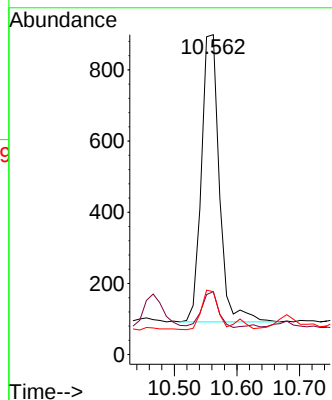
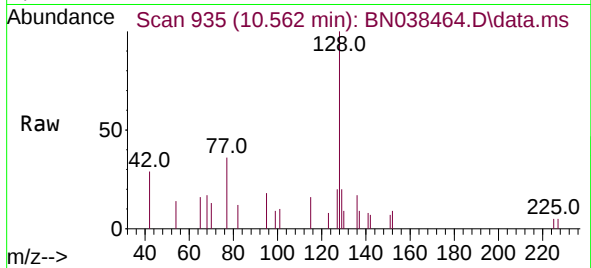




#9
Naphthalene
Concen: 0.042 ng
RT: 10.562 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

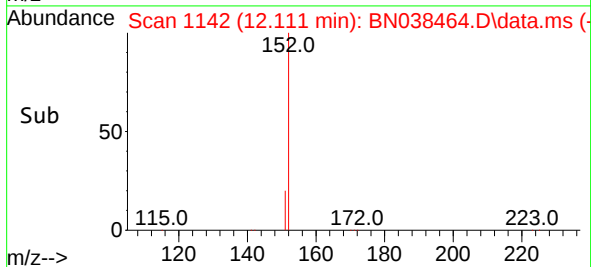
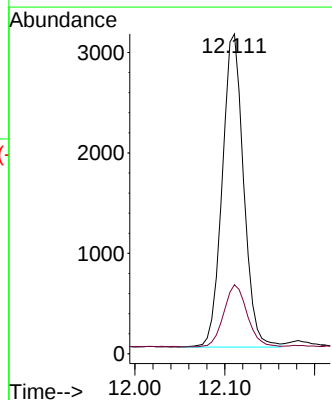
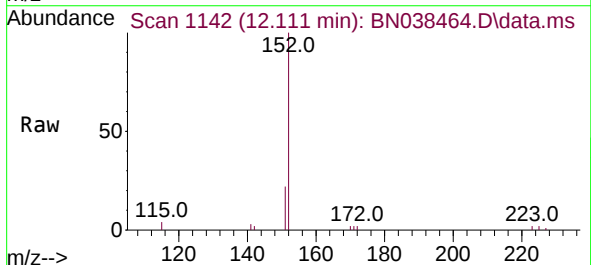
Instrument :
BNA_N
ClientSampleId :
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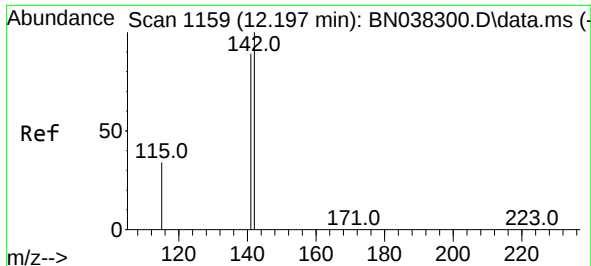
Tgt Ion:128 Resp: 1606
Ion Ratio Lower Upper
128 100
129 19.7 9.1 13.7#
127 19.7 10.9 16.3#



#11
2-Methylnaphthalene-d10
Concen: 0.282 ng
RT: 12.111 min Scan# 1142
Delta R.T. -0.015 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

Tgt Ion:152 Resp: 5150
Ion Ratio Lower Upper
152 100
151 21.8 17.0 25.6

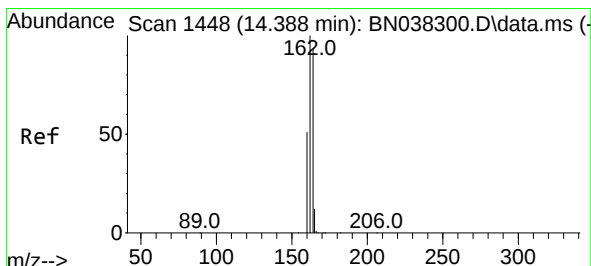
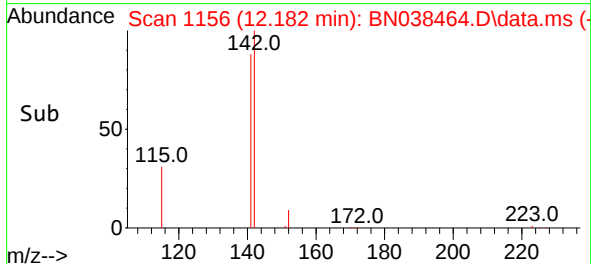
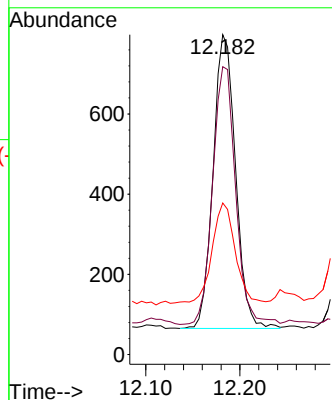
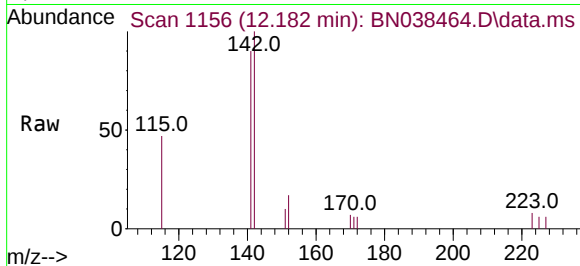




#12
2-Methylnaphthalene
Concen: 0.050 ng
RT: 12.182 min Scan# 1156
Delta R.T. -0.020 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

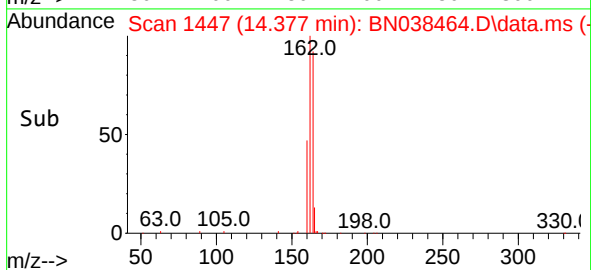
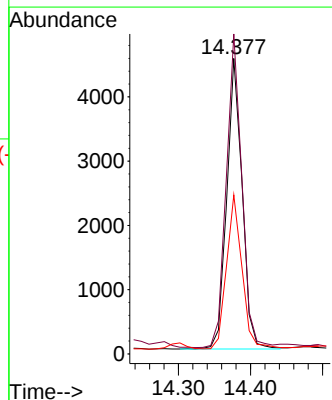
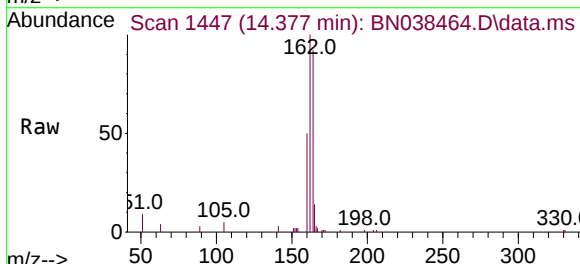
Instrument :
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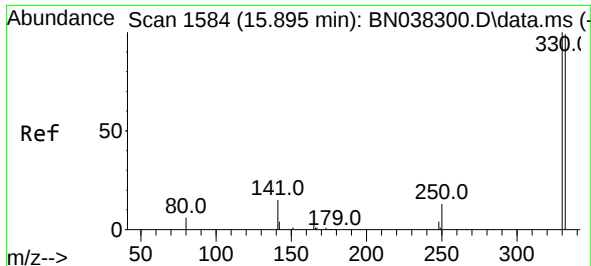
Tgt Ion:142 Resp: 1216
Ion Ratio Lower Upper
142 100
141 90.0 71.4 107.2
115 47.4 28.4 42.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.377 min Scan# 1447
Delta R.T. -0.021 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

Tgt Ion:164 Resp: 6727
Ion Ratio Lower Upper
164 100
162 108.3 86.2 129.4
160 53.8 44.6 67.0

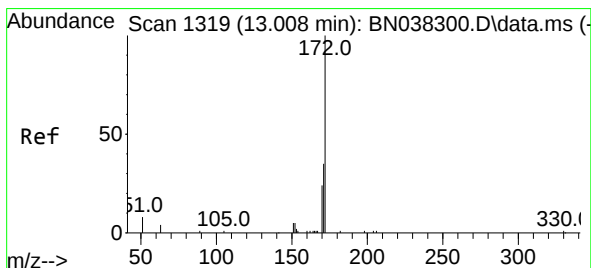
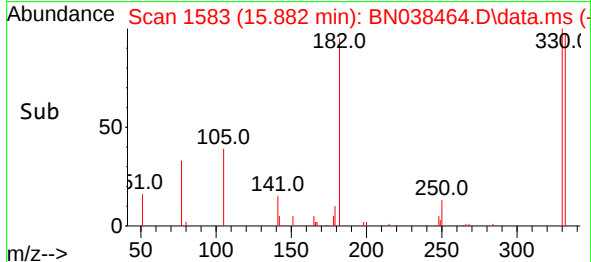
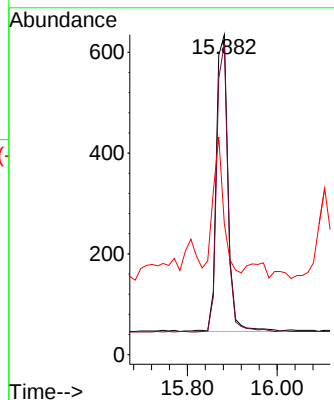
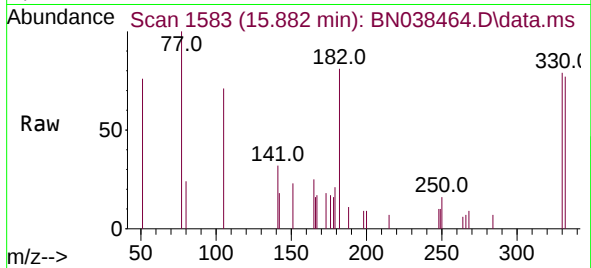




#14
 2,4,6-Tribromophenol
 Concen: 0.357 ng
 RT: 15.882 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN038464.D
 Acq: 17 Dec 2025 05:00

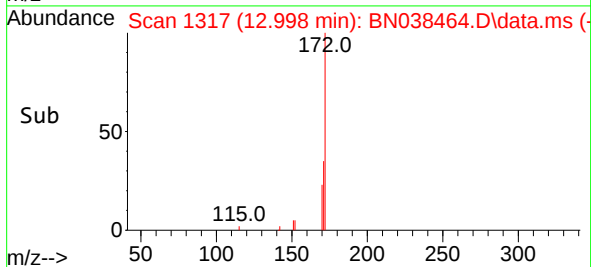
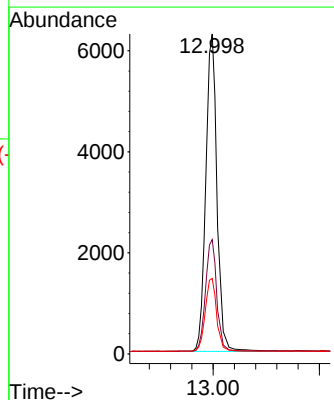
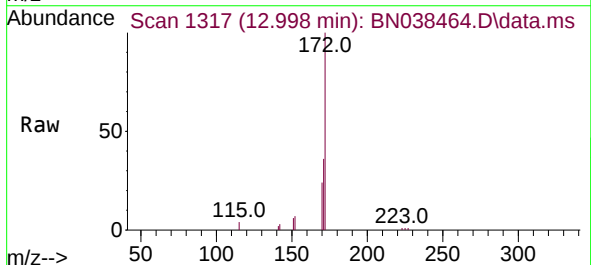
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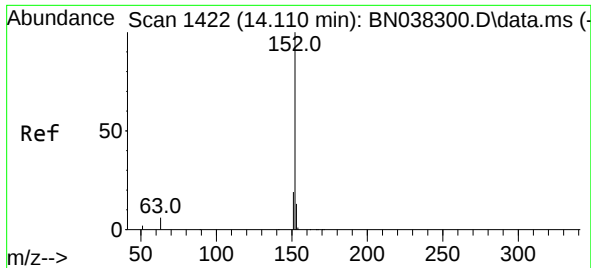
Tgt Ion:330 Resp: 1066
 Ion Ratio Lower Upper
 330 100
 332 93.9 75.8 113.6
 141 40.9 31.8 47.8



#15
 2-Fluorobiphenyl
 Concen: 0.390 ng
 RT: 12.998 min Scan# 1317
 Delta R.T. -0.010 min
 Lab File: BN038464.D
 Acq: 17 Dec 2025 05:00

Tgt Ion:172 Resp: 12637
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 42.8
 170 23.6 19.3 28.9

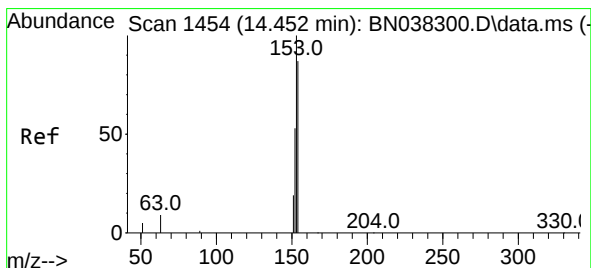
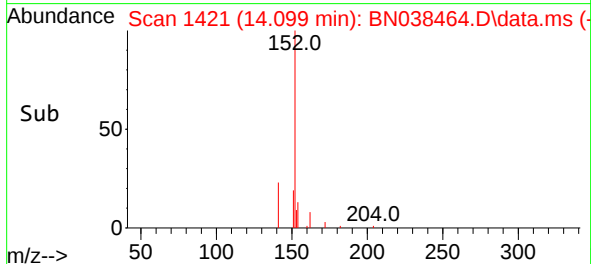
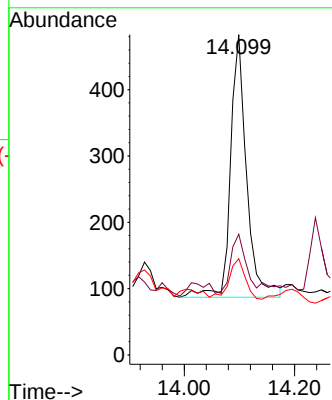
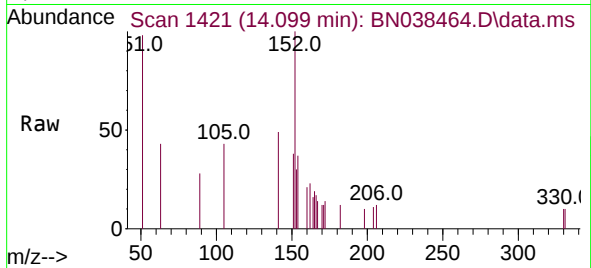




#16
Acenaphthylene
Concen: 0.024 ng
RT: 14.099 min Scan# 1421
Delta R.T. -0.011 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

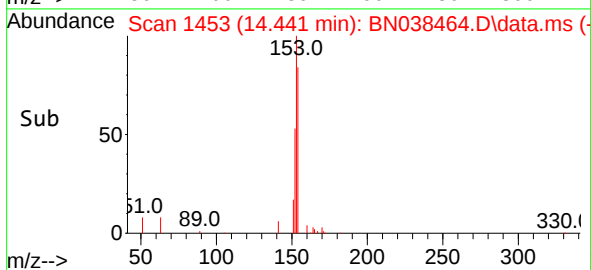
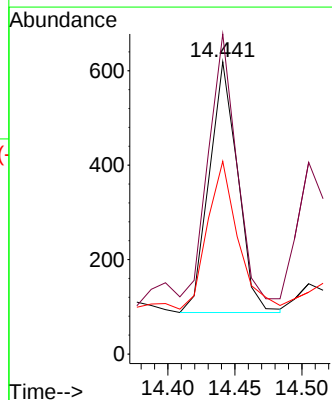
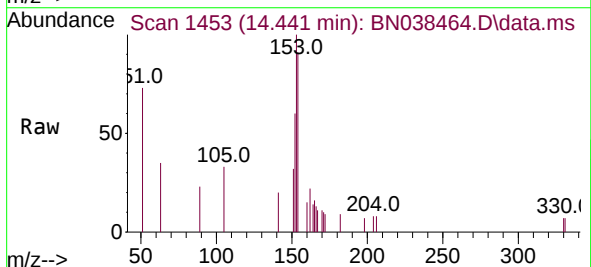
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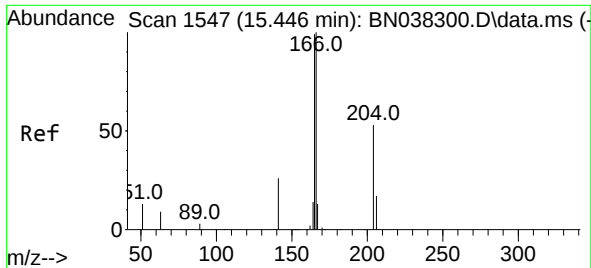
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Ion Ratio Lower Upper
152 100
151 23.7 15.4 23.2#
153 16.5 10.2 15.4#



#17
Acenaphthene
Concen: 0.034 ng
RT: 14.441 min Scan# 1453
Delta R.T. -0.021 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

Tgt Ion:154 Resp: 784
Ion Ratio Lower Upper
154 100
153 118.1 89.8 134.8
152 58.3 47.5 71.3

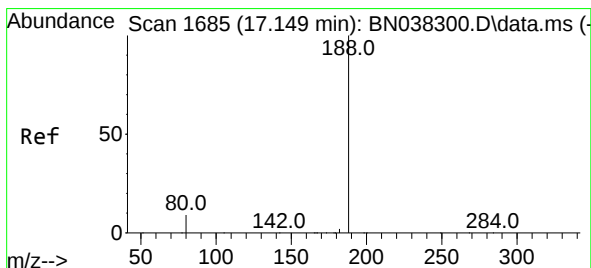
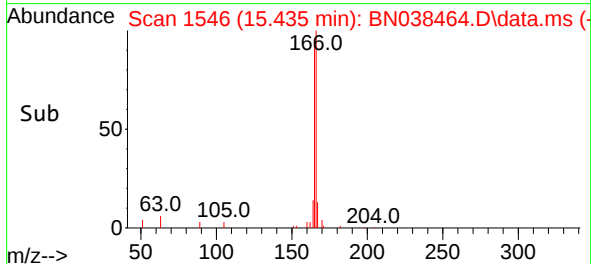
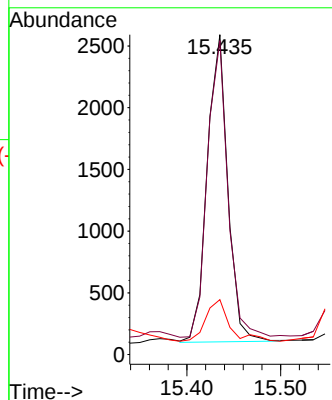
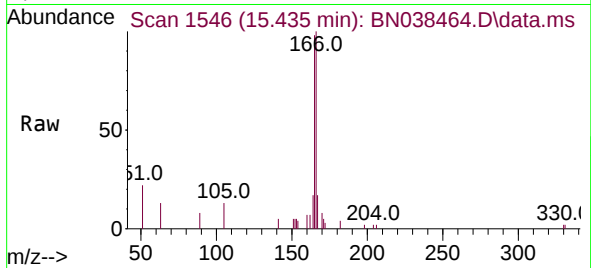




#18
 Fluorene
 Concen: 0.128 ng
 RT: 15.435 min Scan# 1546
 Delta R.T. -0.011 min
 Lab File: BN038464.D
 Acq: 17 Dec 2025 05:00

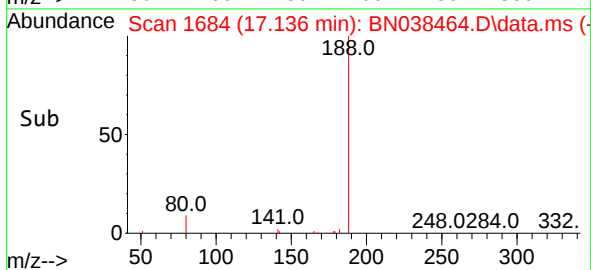
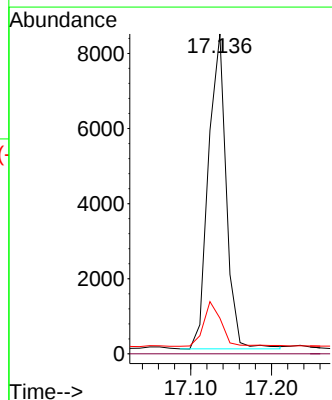
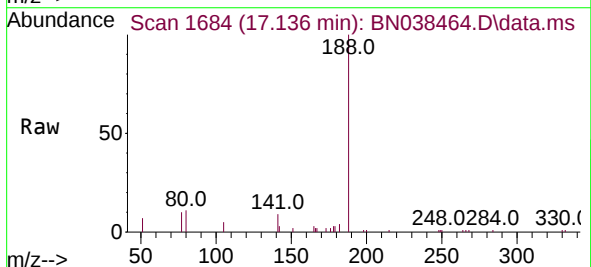
Instrument :
 BNA_N
 ClientSampleId :
 COAM8

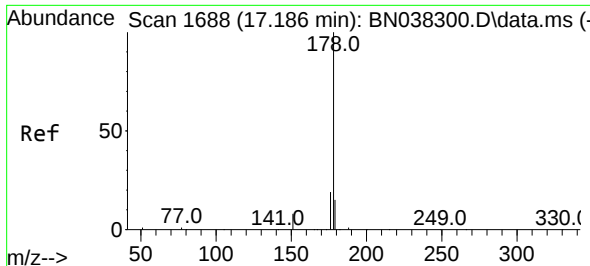
Tgt Ion:166 Resp: 3793
 Ion Ratio Lower Upper
 166 100
 165 96.1 80.2 120.4
 167 15.5 10.6 16.0



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.136 min Scan# 1684
 Delta R.T. -0.012 min
 Lab File: BN038464.D
 Acq: 17 Dec 2025 05:00

Tgt Ion:188 Resp: 12863
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.2 7.4 11.0#

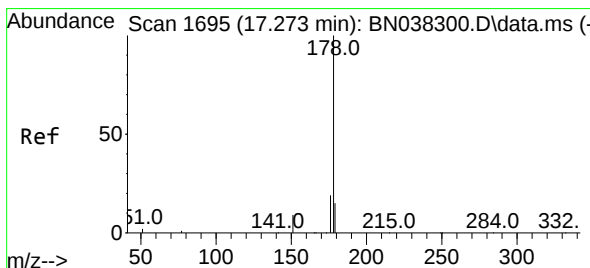
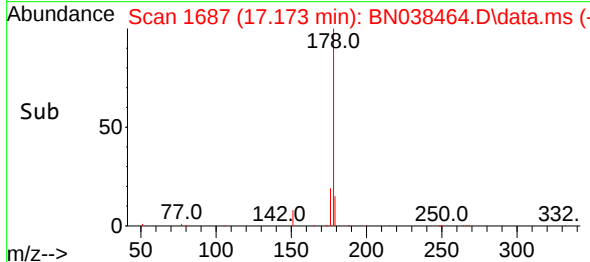
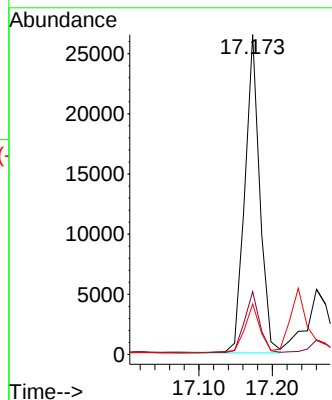
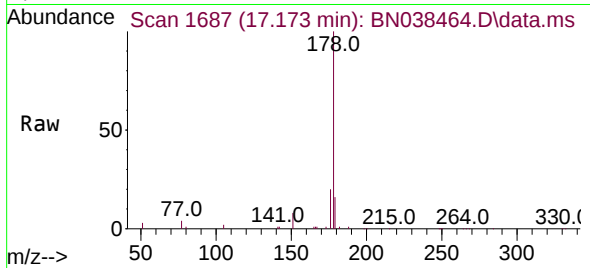




#25
Phenanthrene
Concen: 0.832 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

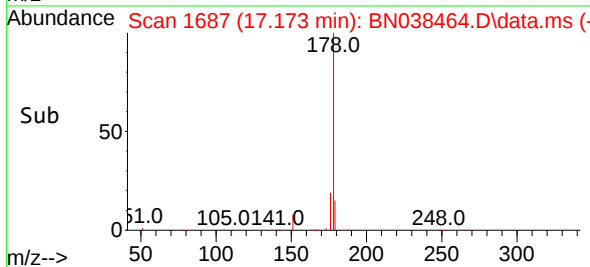
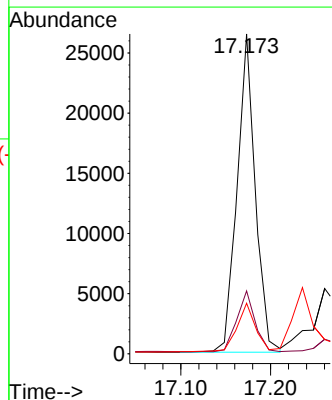
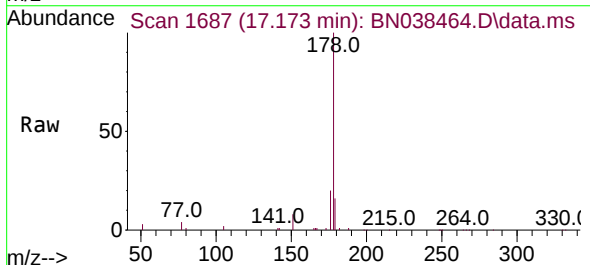
Instrument :
BNA_N
ClientSampleId :
COAM8

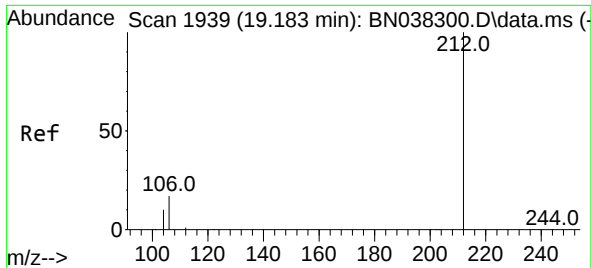
Tgt Ion:178 Resp: 37264
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.0 12.2 18.2



#26
Anthracene
Concen: 0.965 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.112 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

Tgt Ion:178 Resp: 37237
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.7 12.0 18.0

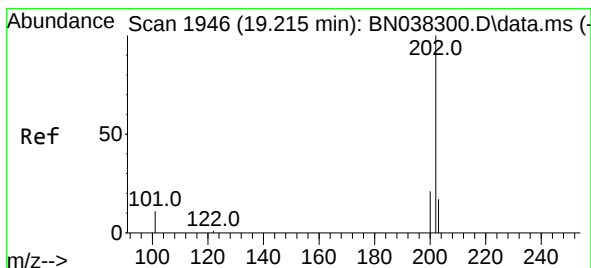
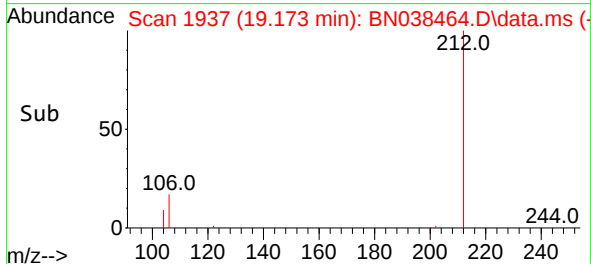
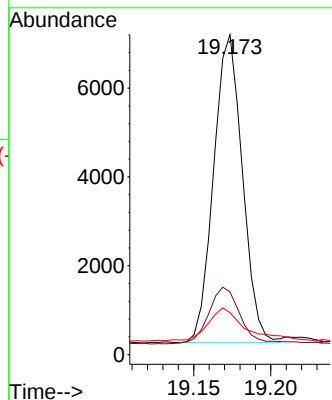
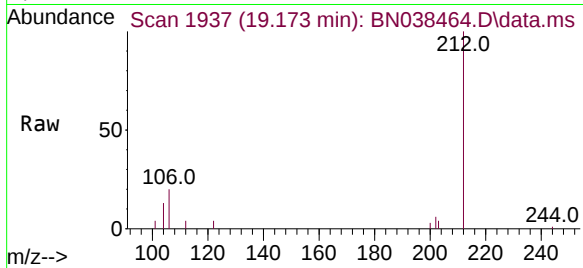




#27
Fluoranthene-d10
Concen: 0.283 ng
RT: 19.173 min Scan# 19
Delta R.T. -0.014 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

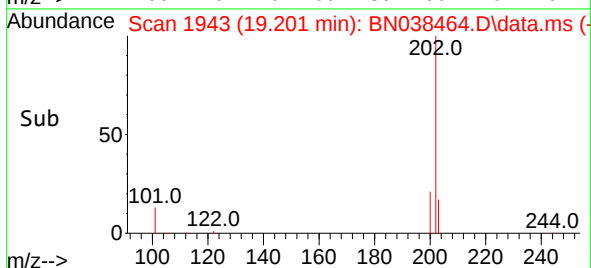
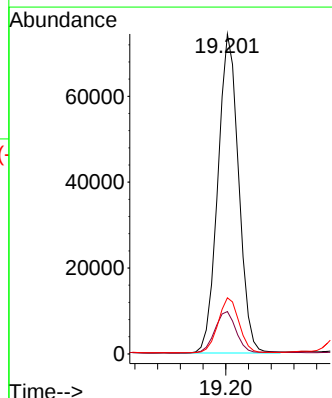
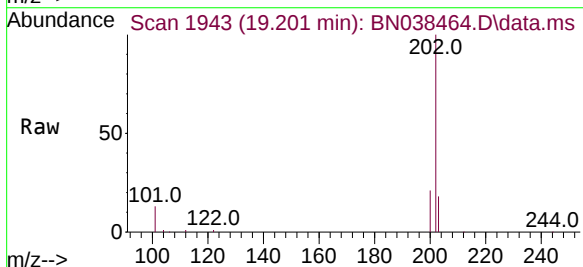
Instrument :
BNA_N
ClientSampleId :
COAM8

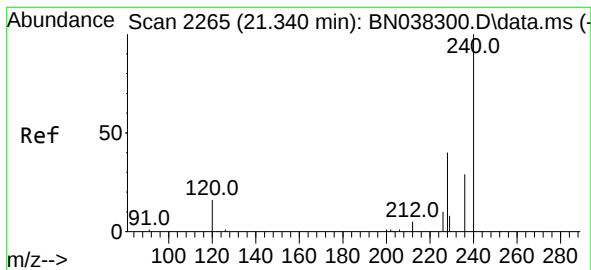
Tgt Ion:212 Resp: 8992
Ion Ratio Lower Upper
212 100
106 20.6 13.7 20.5#
104 14.9 7.8 11.8#



#28
Fluoranthene
Concen: 1.996 ng
RT: 19.201 min Scan# 1943
Delta R.T. -0.019 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

Tgt Ion:202 Resp: 94958
Ion Ratio Lower Upper
202 100
101 13.3 9.6 14.4
203 17.3 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: BN038464.D

Acq: 17 Dec 2025 05:00

Instrument :

BNA_N

ClientSampleId :

COAM8

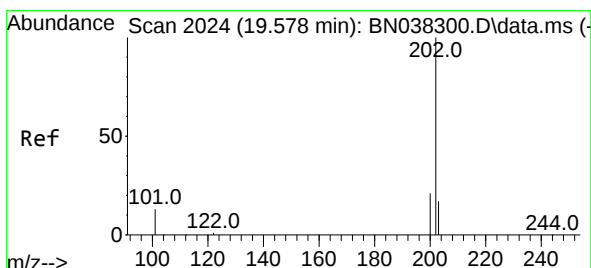
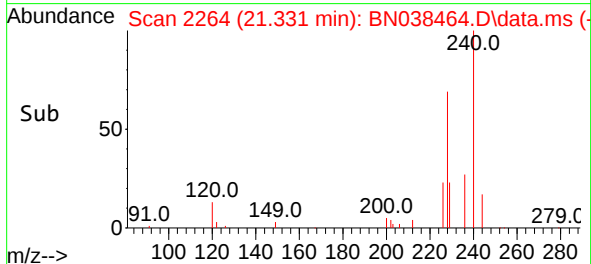
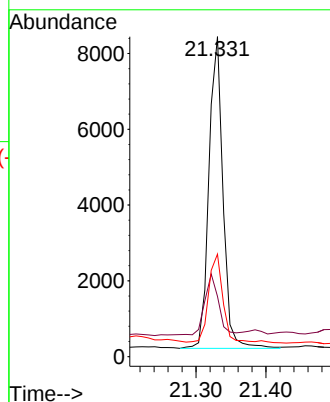
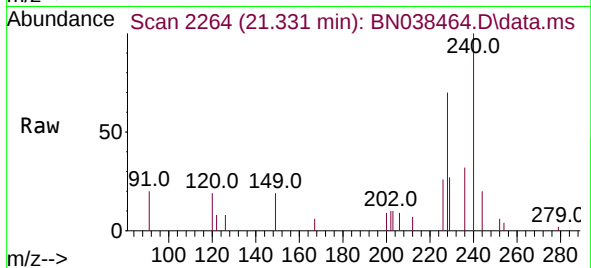
Tgt Ion:240 Resp: 11472

Ion Ratio Lower Upper

240 100

120 18.8 15.4 23.2

236 32.0 23.9 35.9



#30

Pyrene

Concen: 1.036 ng

RT: 19.564 min Scan# 2021

Delta R.T. -0.019 min

Lab File: BN038464.D

Acq: 17 Dec 2025 05:00

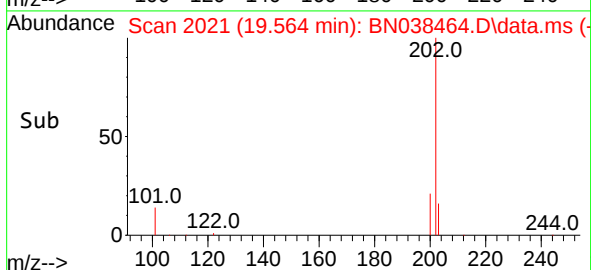
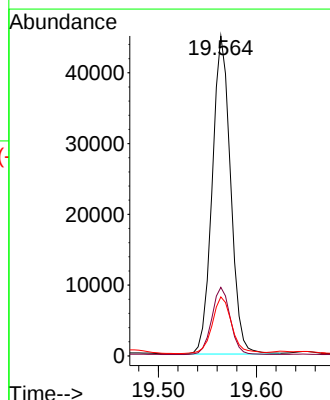
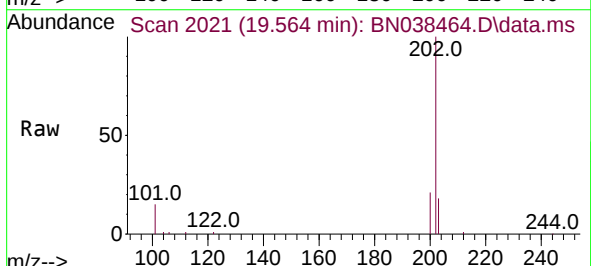
Tgt Ion:202 Resp: 58493

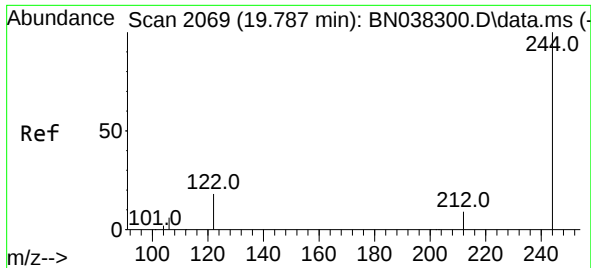
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 19.0 14.2 21.2

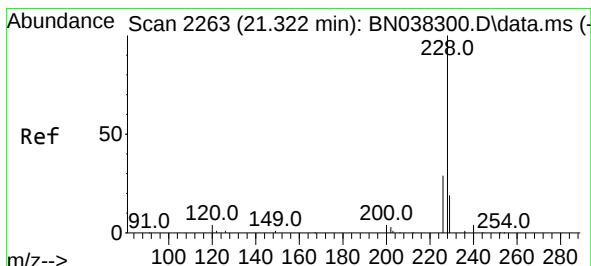
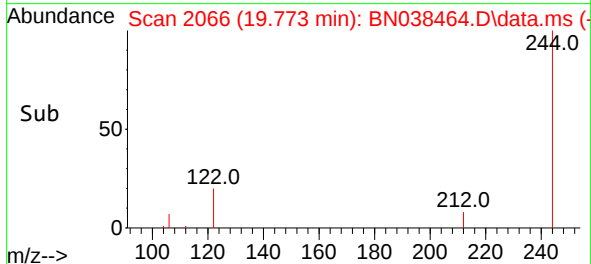
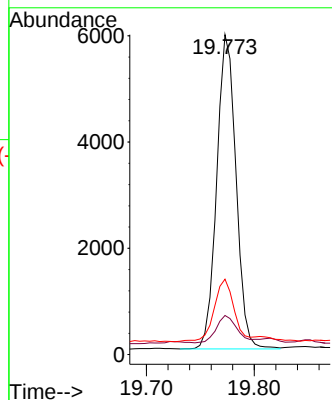
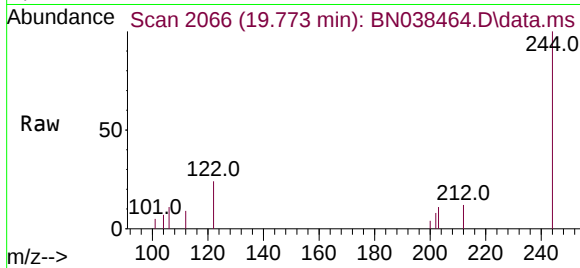




#31
 Terphenyl-d14
 Concen: 0.286 ng
 RT: 19.773 min Scan# 2066
 Delta R.T. -0.019 min
 Lab File: BN038464.D
 Acq: 17 Dec 2025 05:00

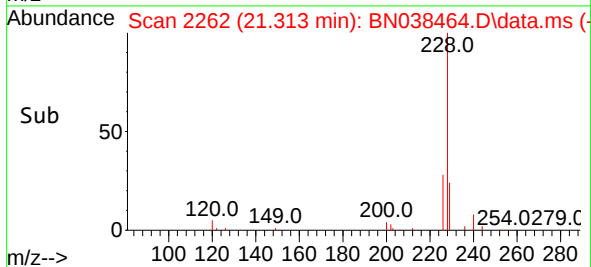
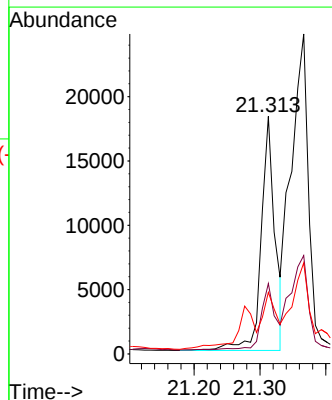
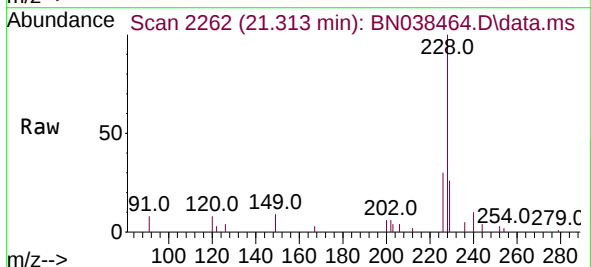
Instrument :
 BNA_N
 ClientSampleId :
 COAM8

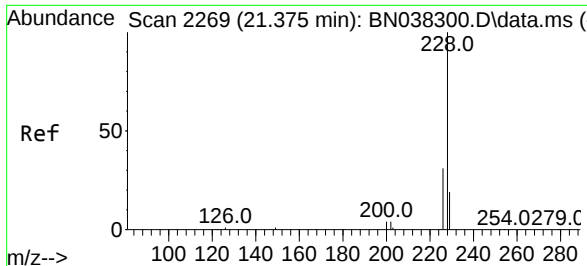
Tgt Ion:244 Resp: 7333
 Ion Ratio Lower Upper
 244 100
 212 12.2 7.9 11.9#
 122 23.6 15.0 22.6#



#32
 Benzo(a)anthracene
 Concen: 0.604 ng
 RT: 21.313 min Scan# 2262
 Delta R.T. -0.018 min
 Lab File: BN038464.D
 Acq: 17 Dec 2025 05:00

Tgt Ion:228 Resp: 26771
 Ion Ratio Lower Upper
 228 100
 226 29.6 23.3 34.9
 229 25.9 15.7 23.5#

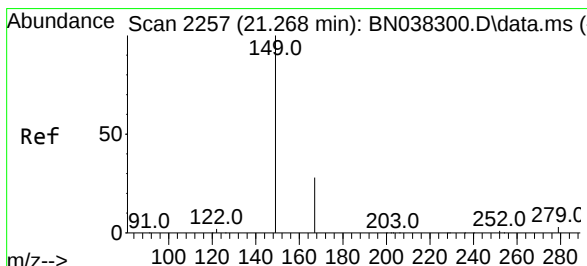
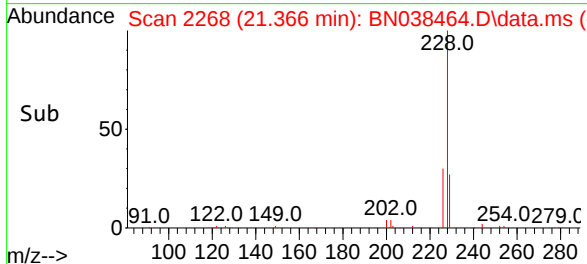
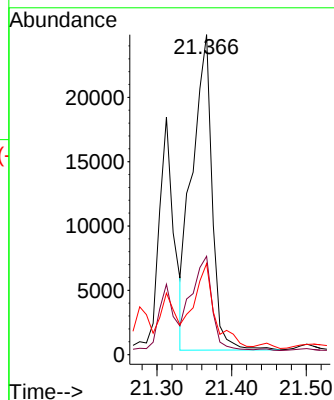
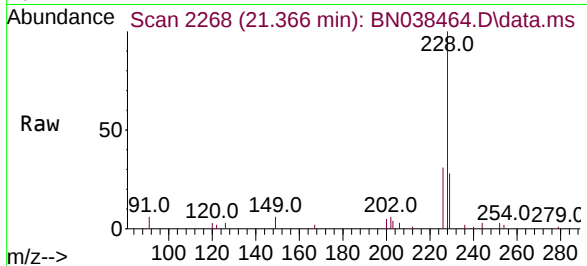




#33
Chrysene
Concen: 0.934 ng
RT: 21.366 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

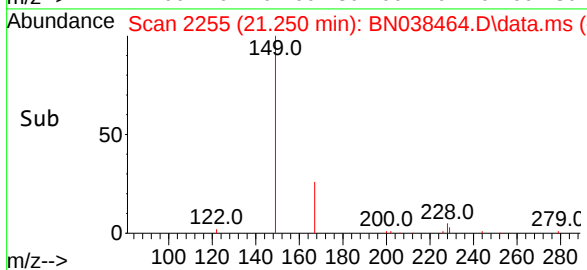
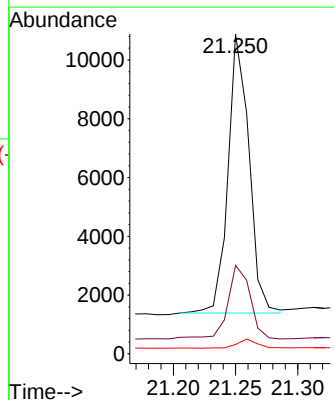
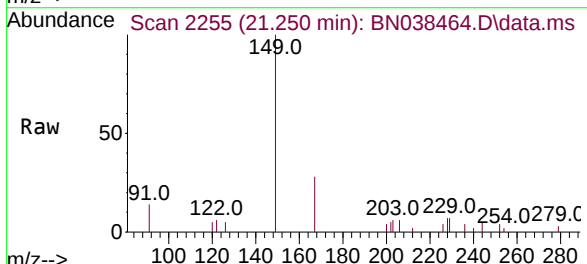
Instrument :
BNA_N
ClientSampleId :
COAM8

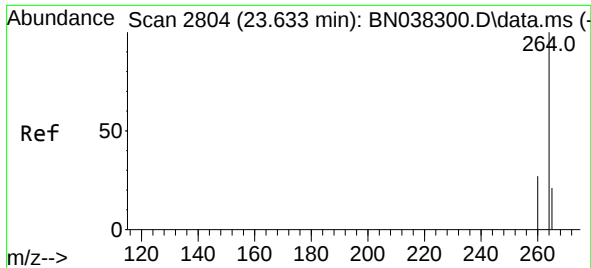
Tgt Ion:228 Resp: 45551
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.4
229 28.4 15.5 23.3#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.457 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.018 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

Tgt Ion:149 Resp: 11110
Ion Ratio Lower Upper
149 100
167 27.9 21.4 32.0
279 3.0 2.4 3.6

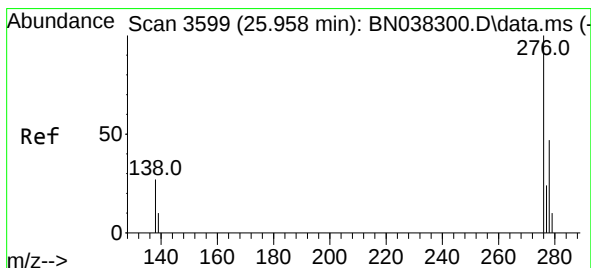
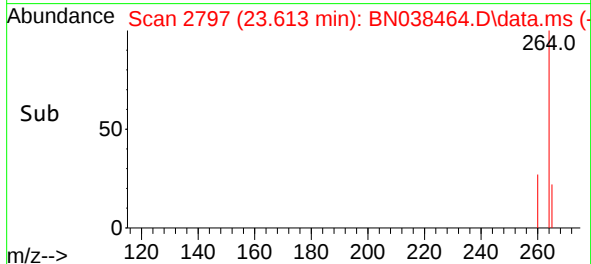
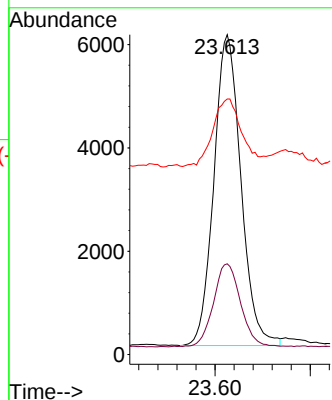
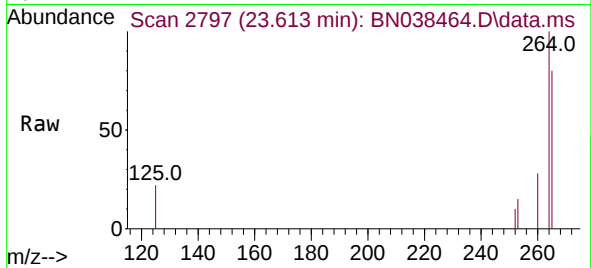




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.613 min Scan# 21
Delta R.T. -0.021 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

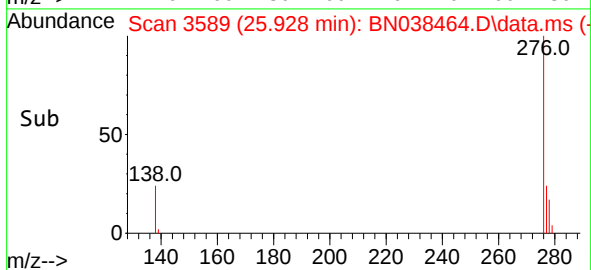
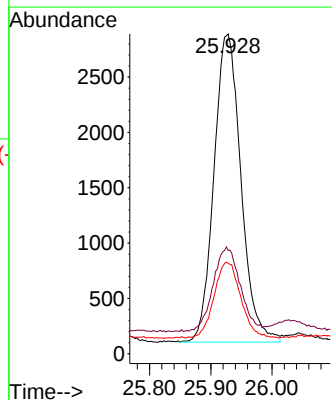
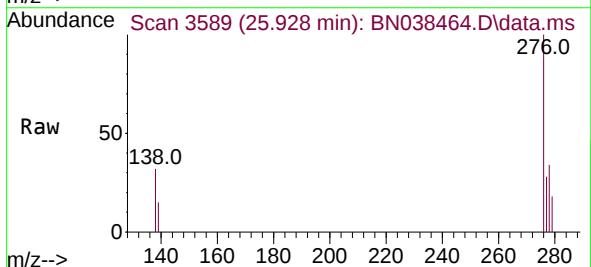
Instrument :
BNA_N
ClientSampleId :
COAM8

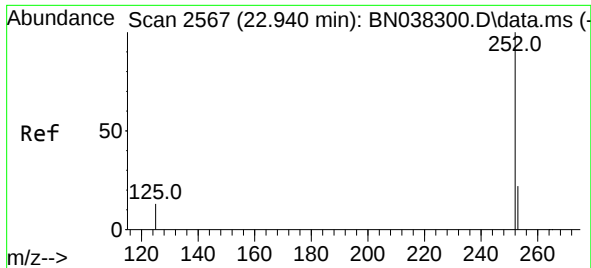
Tgt Ion:264 Resp: 11850
Ion Ratio Lower Upper
264 100
260 28.4 22.2 33.2
265 79.9 80.2 120.2#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.136 ng
RT: 25.928 min Scan# 3589
Delta R.T. -0.035 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

Tgt Ion:276 Resp: 8530
Ion Ratio Lower Upper
276 100
138 27.2 23.6 35.4
277 24.4 19.7 29.5

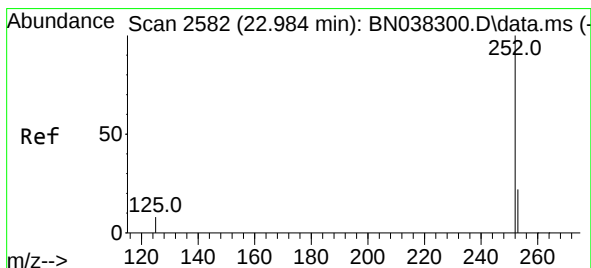
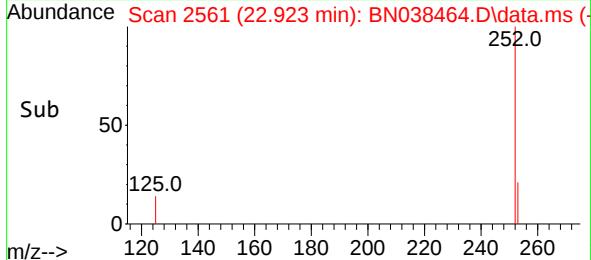
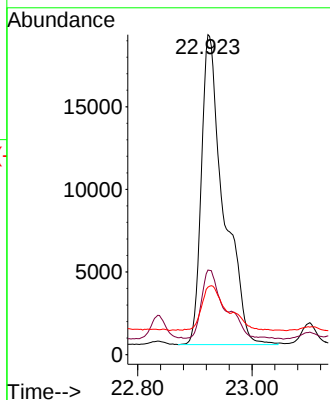
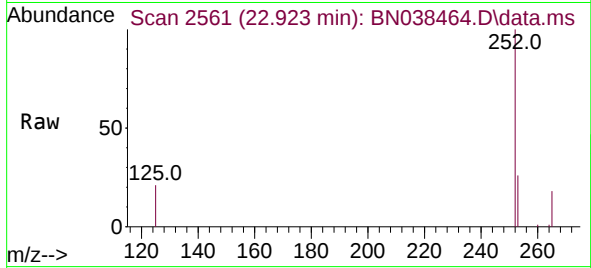




#37
Benzo(b)fluoranthene
Concen: 0.930 ng
RT: 22.923 min Scan# 2561
Delta R.T. -0.023 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

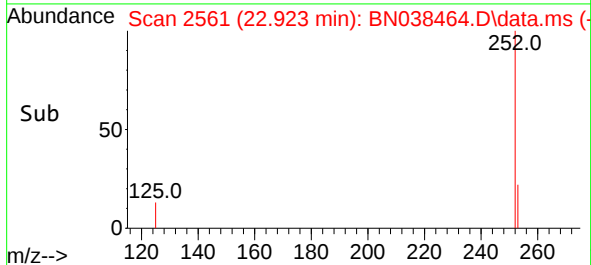
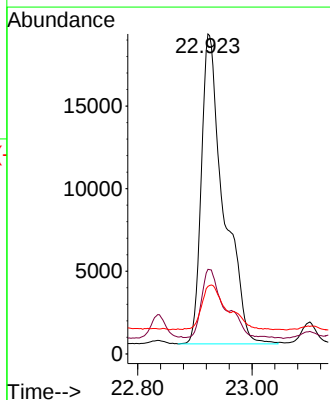
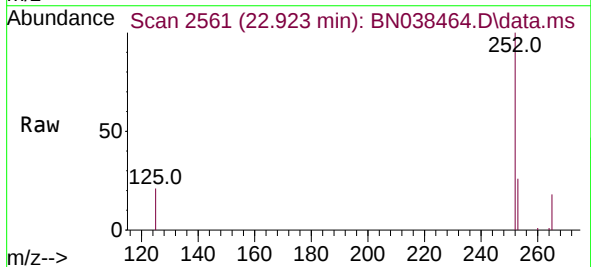
Instrument :
BNA_N
ClientSampleId :
COAM8

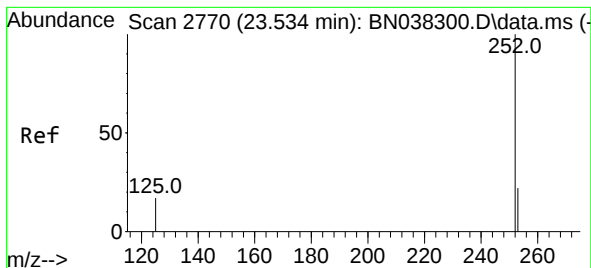
Tgt Ion:252 Resp: 50633
Ion Ratio Lower Upper
252 100
253 26.4 21.1 31.7
125 21.1 16.4 24.6



#38
Benzo(k)fluoranthene
Concen: 0.933 ng
RT: 22.923 min Scan# 2561
Delta R.T. -0.067 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

Tgt Ion:252 Resp: 50633
Ion Ratio Lower Upper
252 100
253 26.4 21.4 32.0
125 21.1 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.533 ng

RT: 23.411 min Scan# 21

Delta R.T. -0.123 min

Lab File: BN038464.D

Acq: 17 Dec 2025 05:00

Instrument :

BNA_N

ClientSampleId :

COAM8

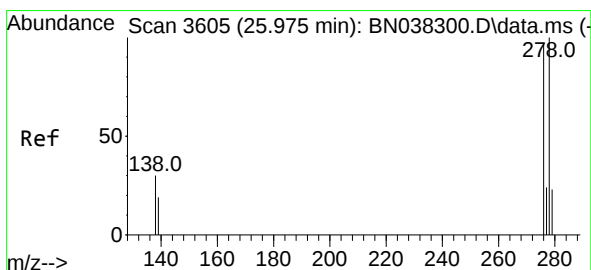
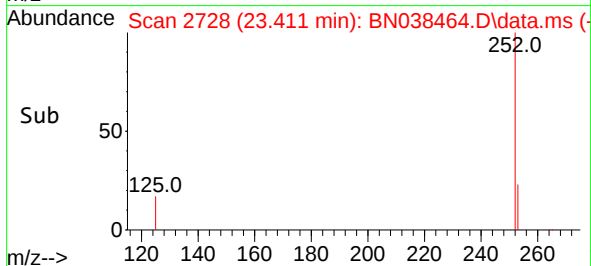
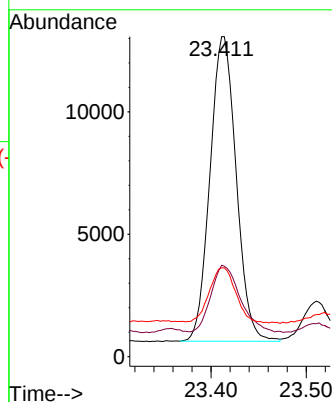
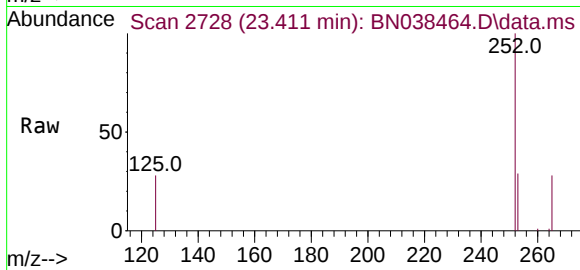
Tgt Ion:252 Resp: 23760

Ion Ratio Lower Upper

252 100

253 28.5 23.3 34.9

125 27.7 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.068 ng

RT: 25.934 min Scan# 3591

Delta R.T. -0.047 min

Lab File: BN038464.D

Acq: 17 Dec 2025 05:00

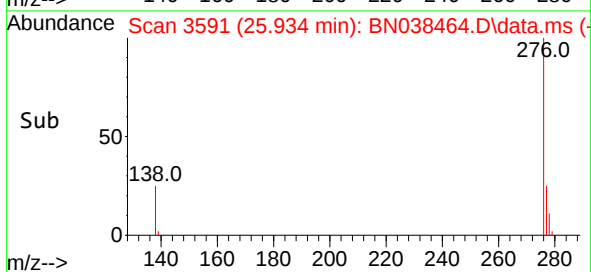
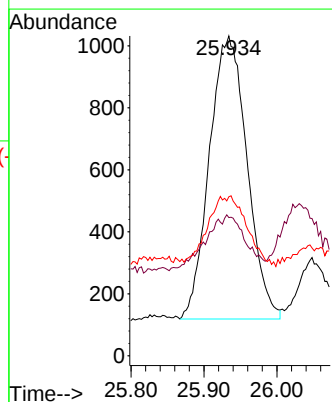
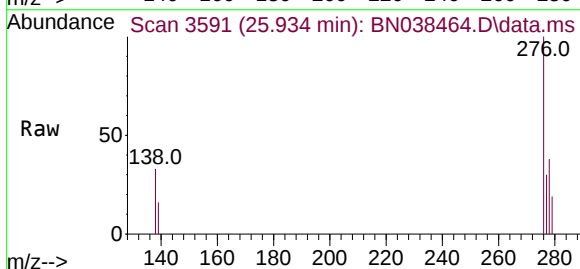
Tgt Ion:278 Resp: 3273

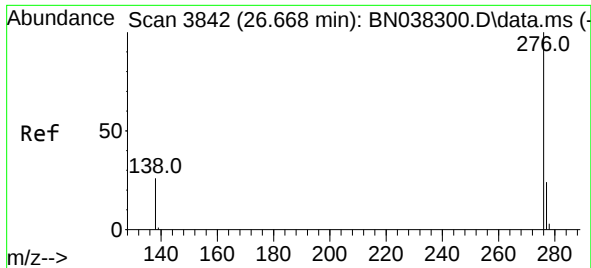
Ion Ratio Lower Upper

278 100

139 43.2 17.8 26.8#

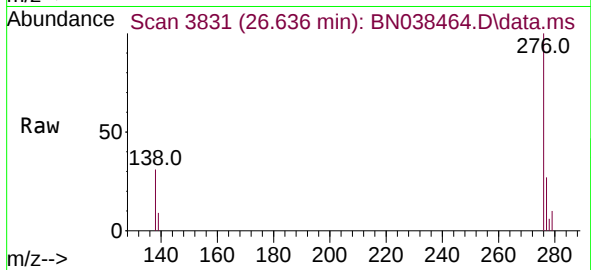
279 49.7 21.3 31.9#





#41
Benzo(g,h,i)perylene
Concen: 0.169 ng
RT: 26.636 min Scan# 381
Delta R.T. -0.041 min
Lab File: BN038464.D
Acq: 17 Dec 2025 05:00

Instrument :
BNA_N
ClientSampleId :
COAM8



Tgt Ion:276 Resp: 9167
Ion Ratio Lower Upper
276 100
277 26.9 20.0 30.0
138 31.5 21.8 32.6

