

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038374.D
 Acq On : 13 Dec 2025 06:06
 Operator : RC/JU
 Sample : Q3839-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS3

Quant Time: Dec 14 22:20:32 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)

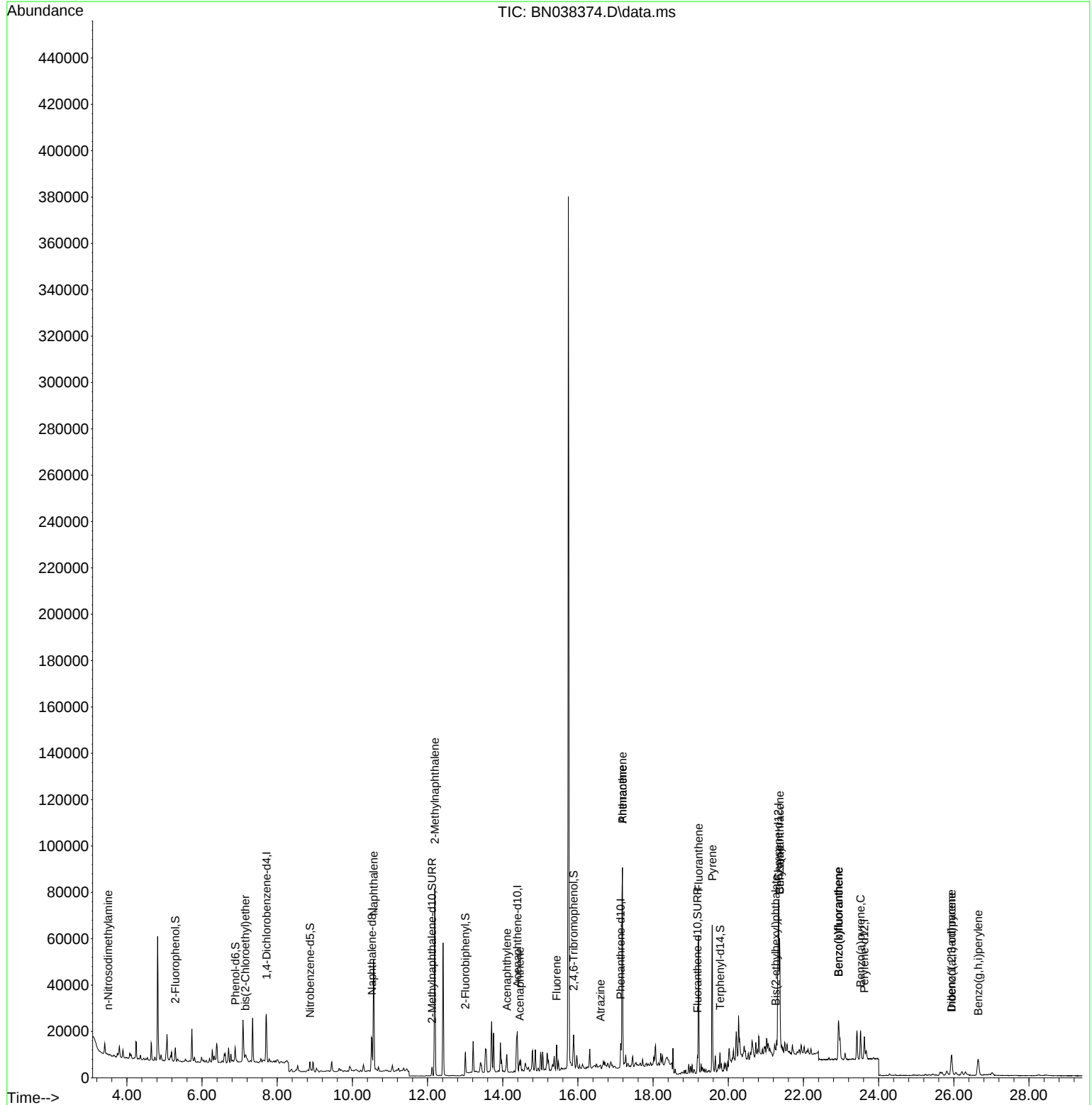
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5844	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	15730	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8324	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13963	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	12342	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	12975	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	3791	0.260	ng	0.00
5) Phenol-d6	6.887	99	4294	0.248	ng	0.00
8) Nitrobenzene-d5	8.875	82	3575	0.269	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	5144	0.232	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	845	0.229	ng	-0.01
15) 2-Fluorobiphenyl	13.004	172	10502	0.262	ng	0.00
27) Fluoranthene-d10	19.178	212	7324	0.212	ng	0.00
31) Terphenyl-d14	19.782	244	6197	0.225	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.499	42	171	0.020	ng	# 1
6) bis(2-Chloroethyl)ether	7.154	93	3907	0.231	ng	# 24
9) Naphthalene	10.562	128	65044	1.399	ng	100
12) 2-Methylnaphthalene	12.192	142	57970	1.964	ng	99
16) Acenaphthylene	14.110	152	3332	0.082	ng	# 65
17) Acenaphthene	14.452	154	993	0.035	ng	# 32
18) Fluorene	15.435	166	2048	0.056	ng	# 92
23) Atrazine	16.602	200	263	0.037	ng	# 60
25) Phenanthrene	17.186	178	97831	2.013	ng	100
26) Anthracene	17.186	178	97747	2.333	ng	99
28) Fluoranthene	19.211	202	50733	0.982	ng	95
30) Pyrene	19.573	202	55808	0.919	ng	97
32) Benzo(a)anthracene	21.367	228	57323	1.202	ng	95
33) Chrysene	21.367	228	57489	1.095	ng	98
34) Bis(2-ethylhexyl)phtha...	21.259	149	2054	0.079	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.940	276	13879	0.202	ng	95
37) Benzo(b)fluoranthene	22.932	252	28220	0.474	ng	95
38) Benzo(k)fluoranthene	22.932	252	28220	0.475	ng	95
39) Benzo(a)pyrene	23.519	252	16975	0.348	ng	96
40) Dibenzo(a,h)anthracene	25.943	278	3395	0.064	ng	# 60
41) Benzo(g,h,i)perylene	26.648	276	15429	0.260	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
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Misc :
ALS Vial : 32 Sample Multiplier: 1

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Quant Time: Dec 14 22:20:32 2025
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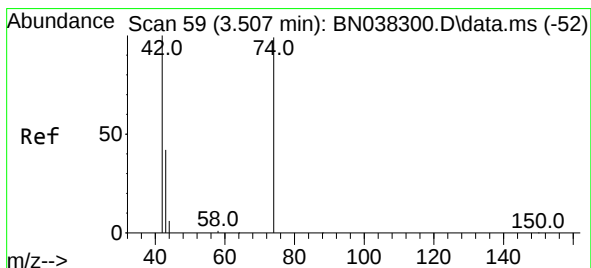
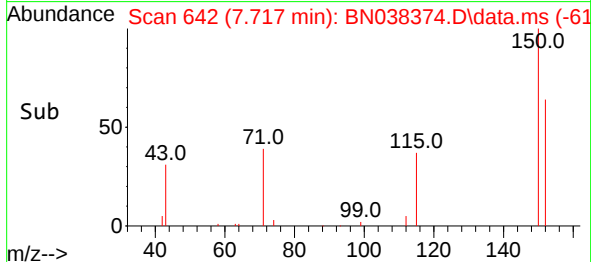
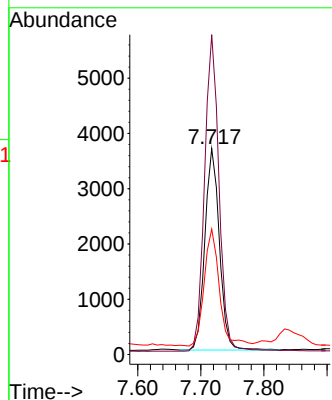
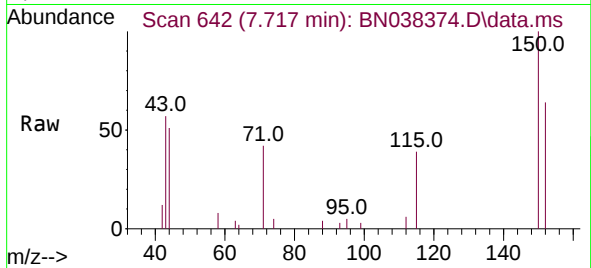




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

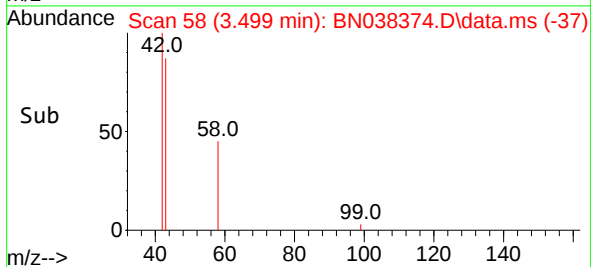
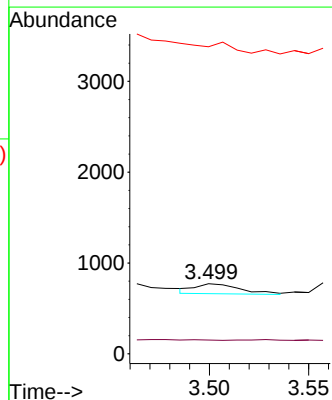
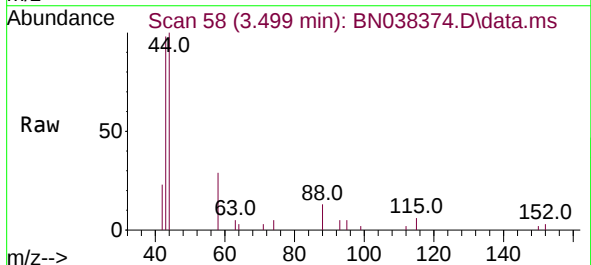
Instrument :
BNA_N
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C0AS3

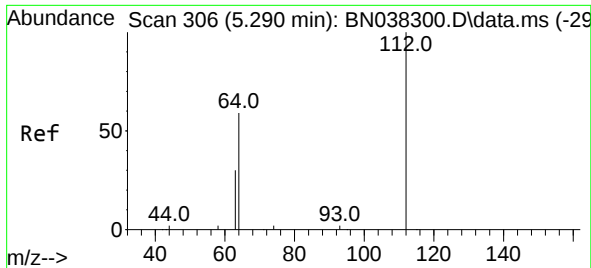
Tgt Ion:152 Resp: 5844
Ion Ratio Lower Upper
152 100
150 155.4 122.4 183.6
115 60.9 47.3 70.9



#3
n-Nitrosodimethylamine
Concen: 0.020 ng
RT: 3.499 min Scan# 58
Delta R.T. 0.000 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion: 42 Resp: 171
Ion Ratio Lower Upper
42 100
74 0.0 95.3 142.9#
44 0.0 7.9 11.9#

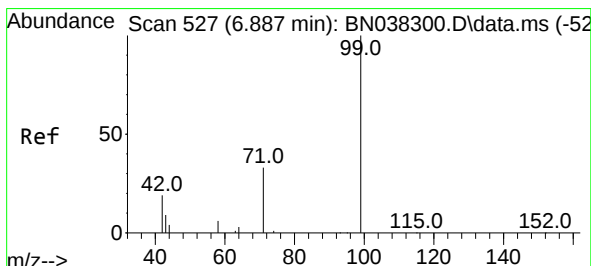
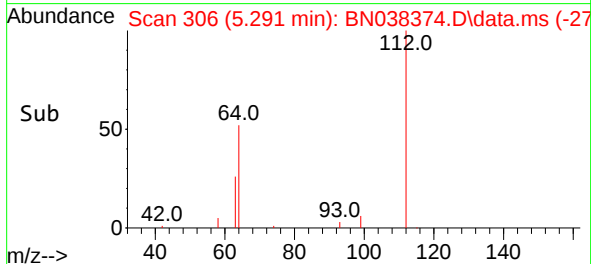
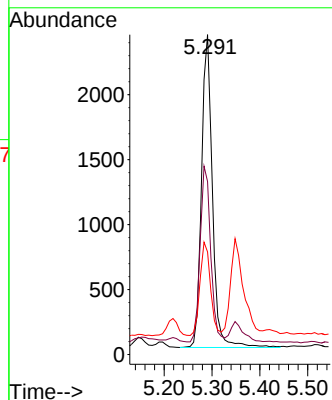
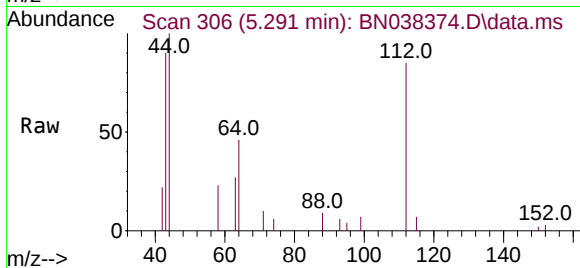




#4
2-Fluorophenol
Concen: 0.260 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

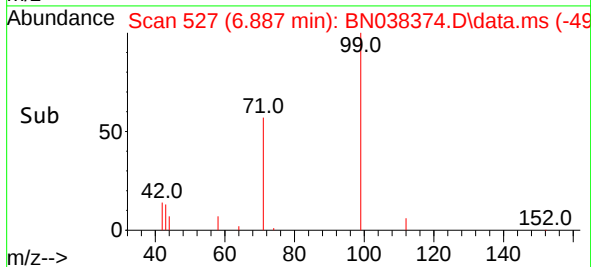
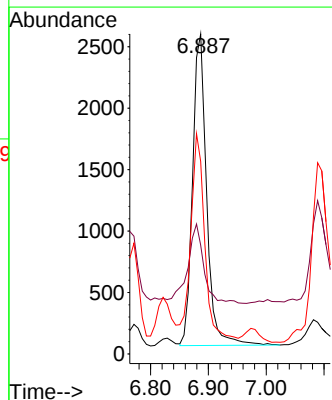
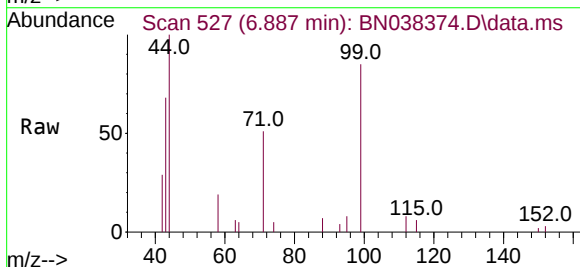
Instrument :
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ClientSampleId :
C0AS3

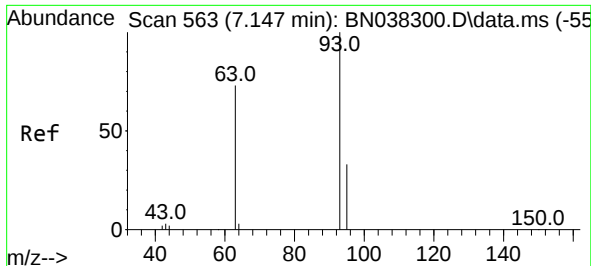
Tgt Ion:112 Resp: 3791
Ion Ratio Lower Upper
112 100
64 55.2 44.4 66.6
63 28.8 23.4 35.0



#5
Phenol-d6
Concen: 0.248 ng
RT: 6.887 min Scan# 527
Delta R.T. 0.000 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion: 99 Resp: 4294
Ion Ratio Lower Upper
99 100
42 29.3 16.5 24.7#
71 67.0 24.9 37.3#

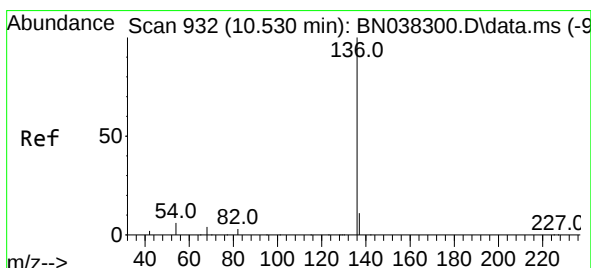
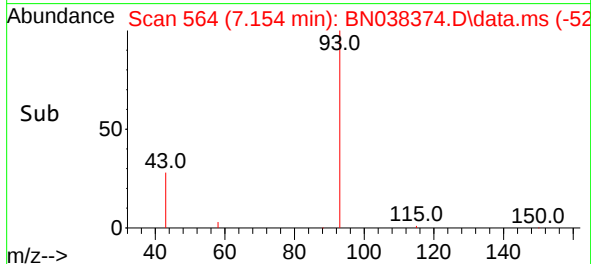
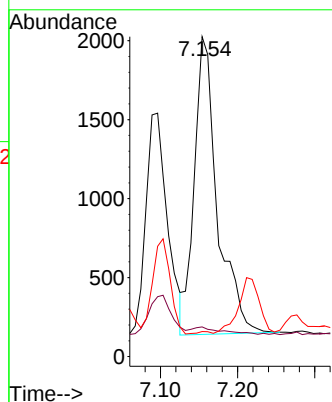
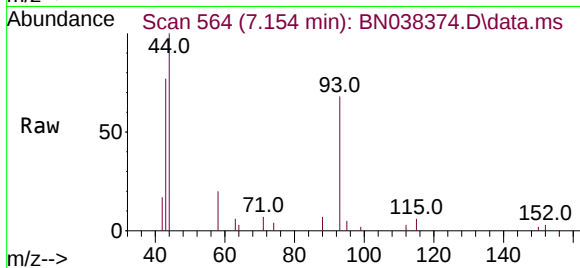




#6
bis(2-Chloroethyl)ether
Concen: 0.231 ng
RT: 7.154 min Scan# 564
Delta R.T. 0.007 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

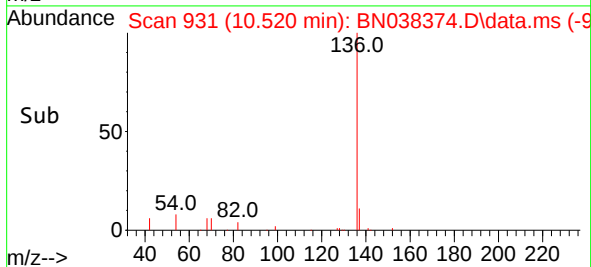
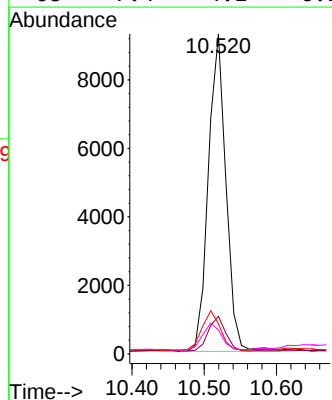
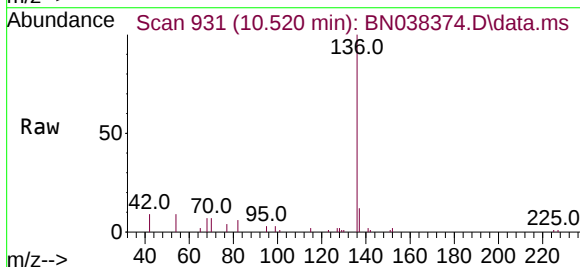
Instrument :
BNA_N
ClientSampleId :
C0AS3

Tgt Ion: 93 Resp: 3907
Ion Ratio Lower Upper
93 100
63 2.9 59.2 88.8#
95 0.0 25.2 37.8#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion: 136 Resp: 15730
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 9.4 5.2 7.8#
68 7.4 4.1 6.1#

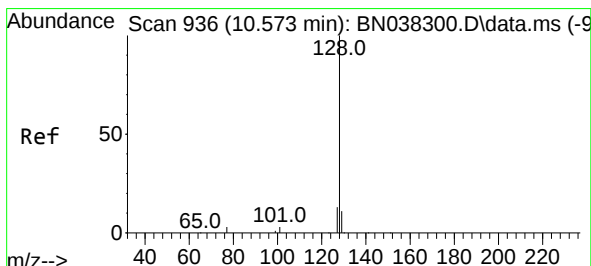
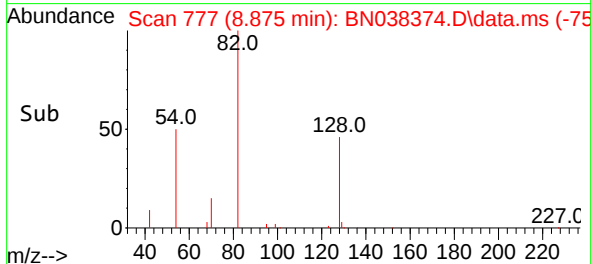
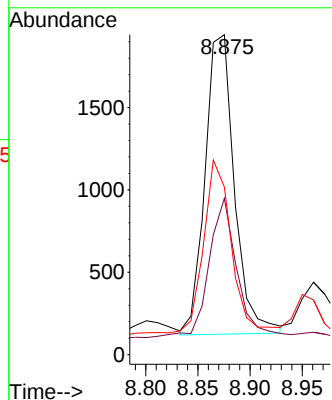
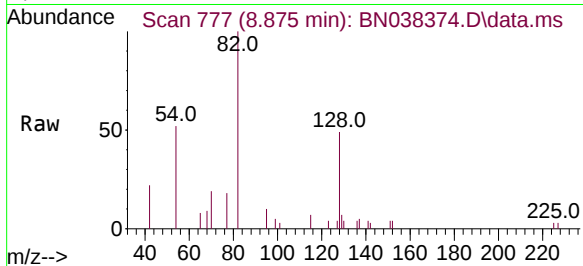




#8
Nitrobenzene-d5
Concen: 0.269 ng
RT: 8.875 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

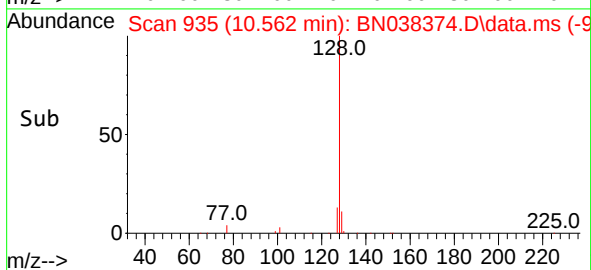
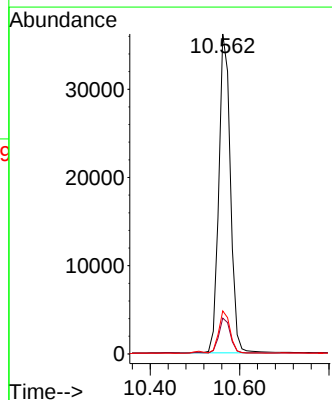
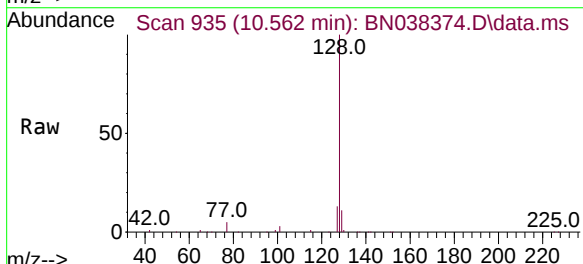
Instrument :
BNA_N
ClientSampleId :
C0AS3

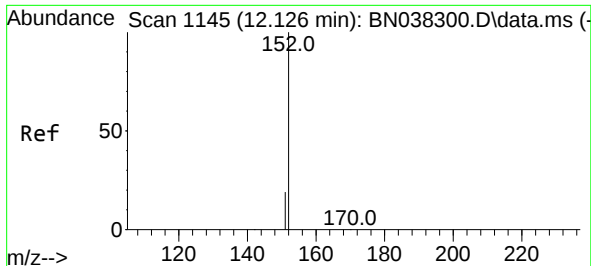
Tgt Ion: 82 Resp: 3575
Ion Ratio Lower Upper
82 100
128 48.8 34.0 51.0
54 52.4 44.4 66.6



#9
Naphthalene
Concen: 1.399 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion: 128 Resp: 65044
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.4 10.9 16.3

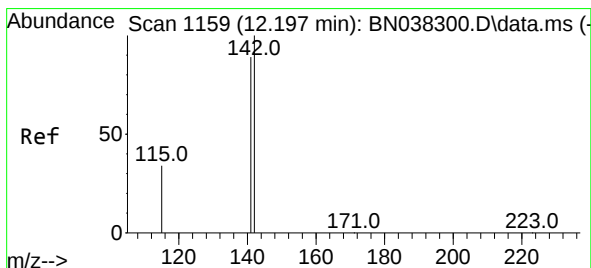
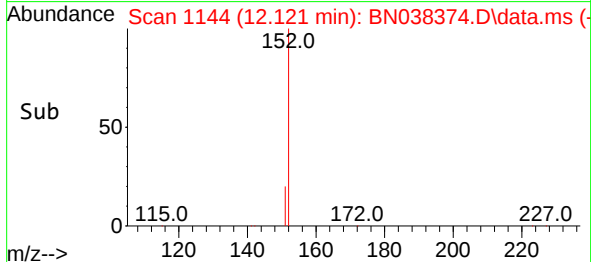
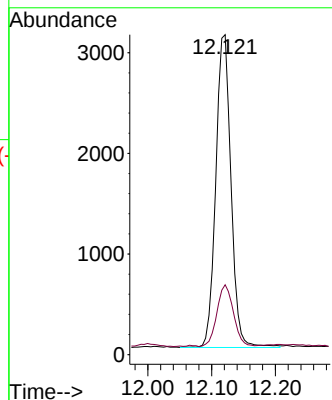
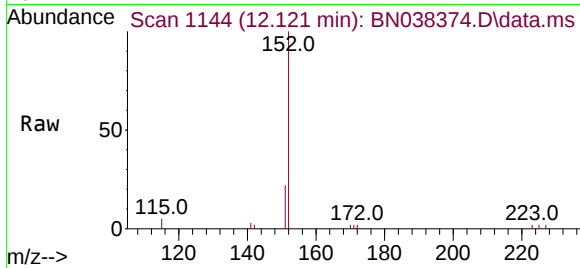




#11
2-Methylnaphthalene-d10
Concen: 0.232 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

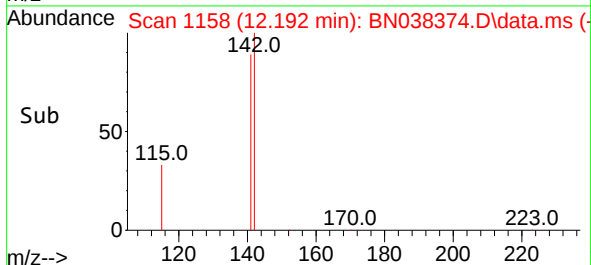
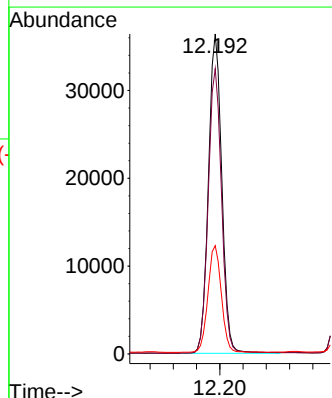
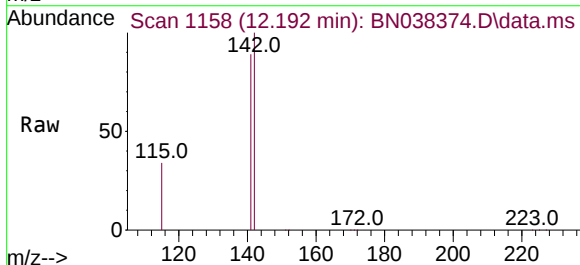
Instrument :
BNA_N
ClientSampleId :
C0AS3

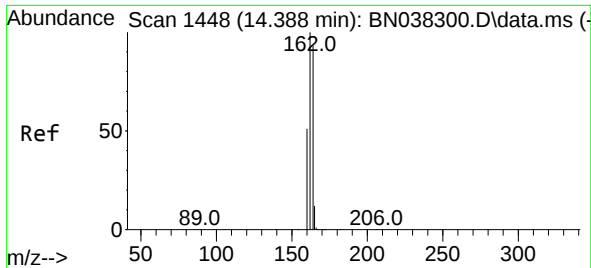
Tgt Ion:152 Resp: 5144
Ion Ratio Lower Upper
152 100
151 21.6 17.0 25.6



#12
2-Methylnaphthalene
Concen: 1.964 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion:142 Resp: 57970
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.2
115 33.8 28.4 42.6

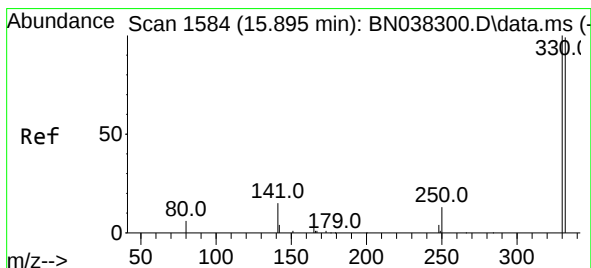
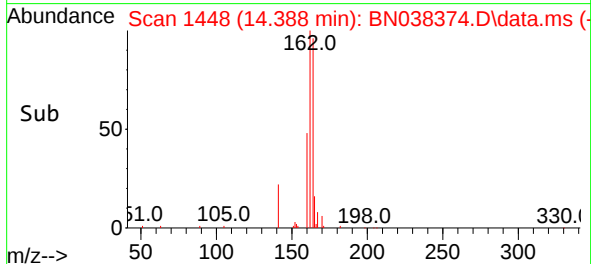
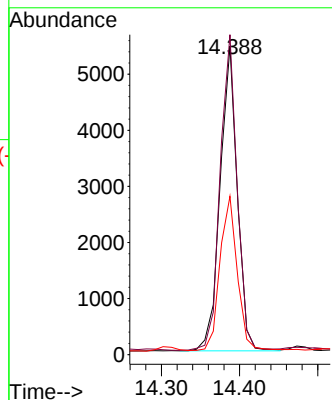
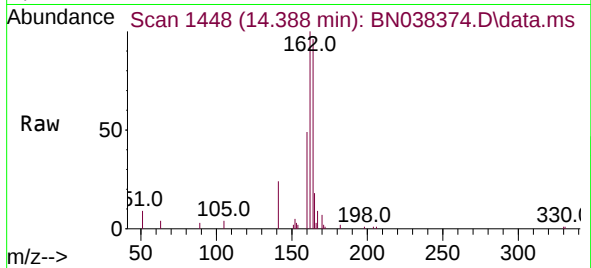




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

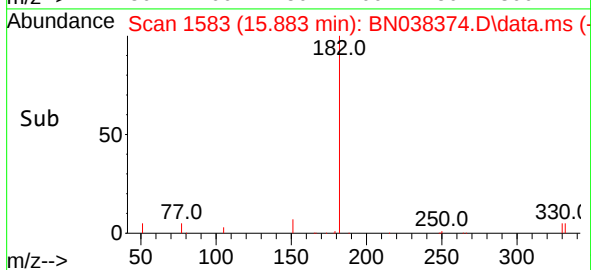
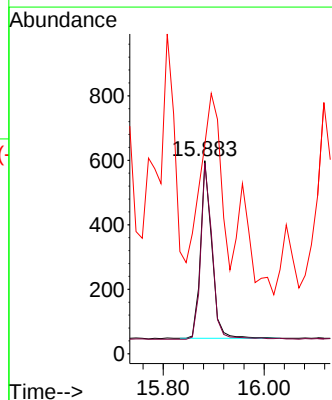
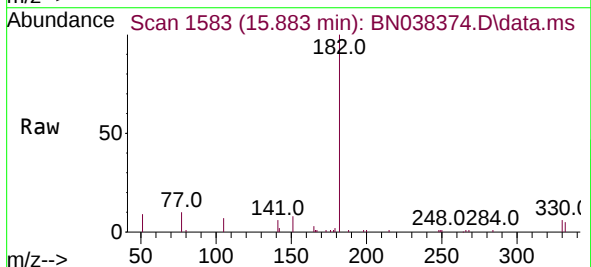
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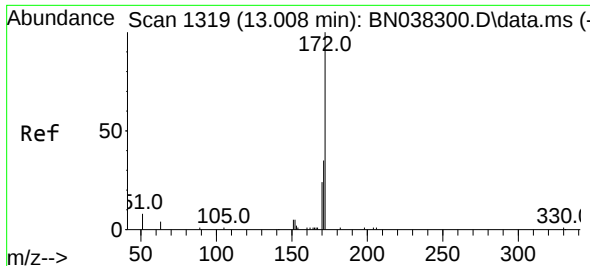
Tgt Ion:164 Resp: 8324
Ion Ratio Lower Upper
164 100
162 103.7 86.2 129.4
160 51.3 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.229 ng
RT: 15.883 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion:330 Resp: 845
Ion Ratio Lower Upper
330 100
332 100.1 75.8 113.6
141 186.5 31.8 47.8#

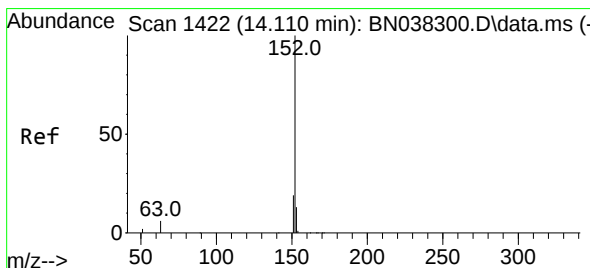
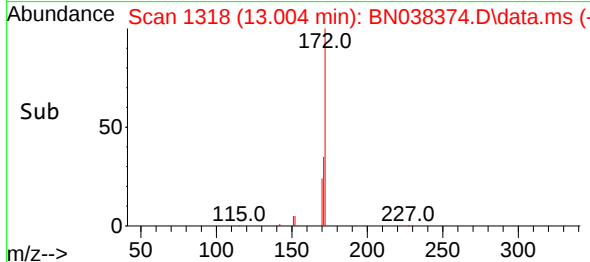
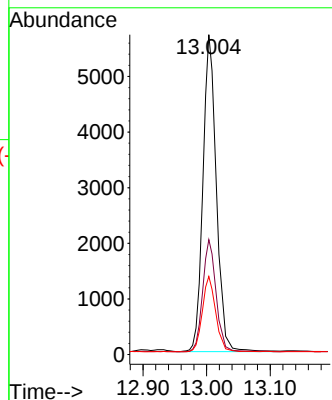
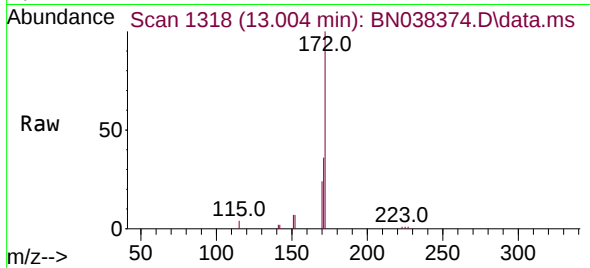




#15
2-Fluorobiphenyl
Concen: 0.262 ng
RT: 13.004 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

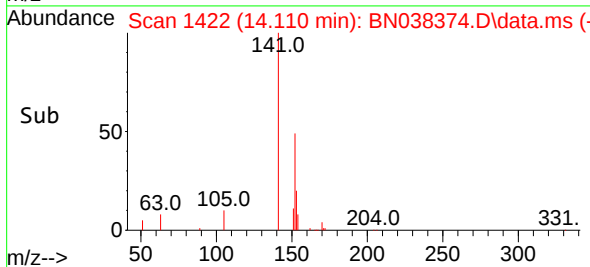
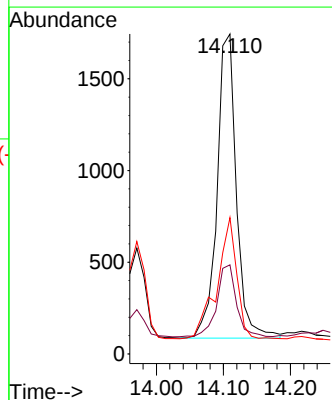
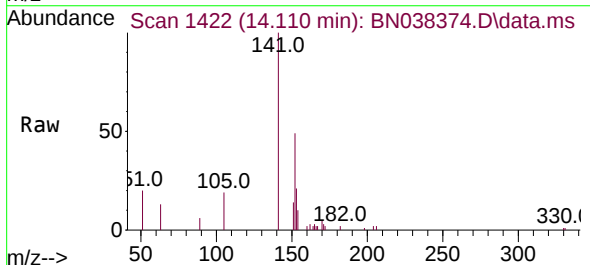
Instrument :
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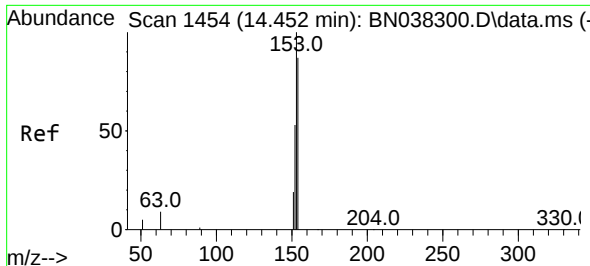
Tgt Ion:	172	Resp:	10502
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.6	42.8
170	24.4	19.3	28.9



#16
Acenaphthylene
Concen: 0.082 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion:	152	Resp:	3332
Ion Ratio	Lower	Upper	
152	100		
151	24.0	15.4	23.2#
153	41.8	10.2	15.4#

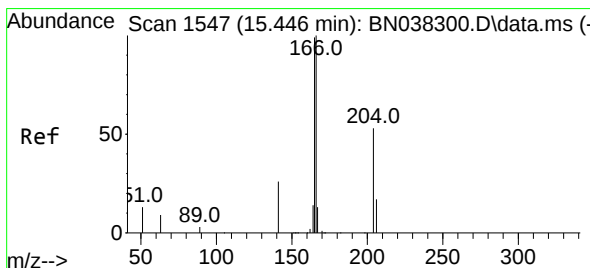
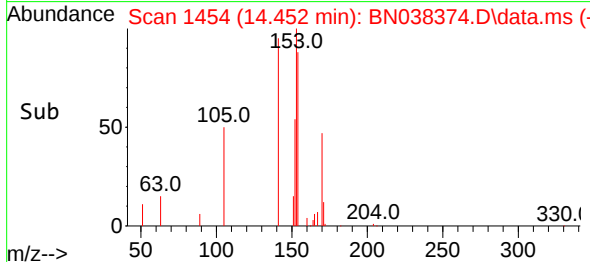
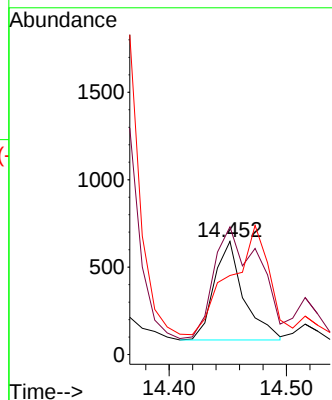
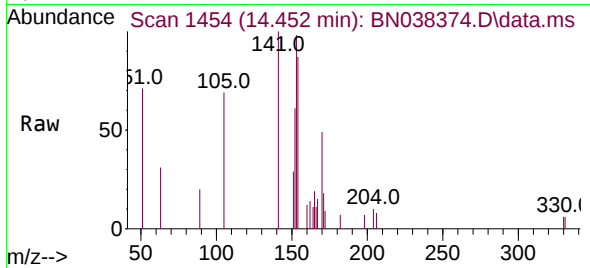




#17
Acenaphthene
Concen: 0.035 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

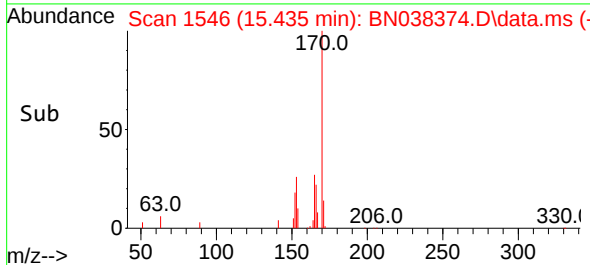
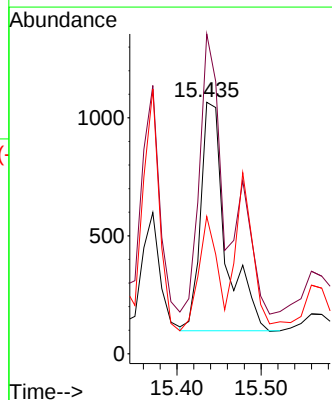
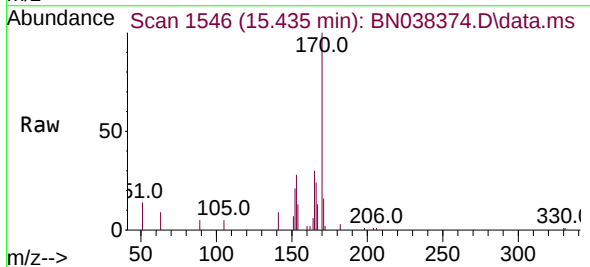
Instrument :
BNA_N
ClientSampleId :
C0AS3

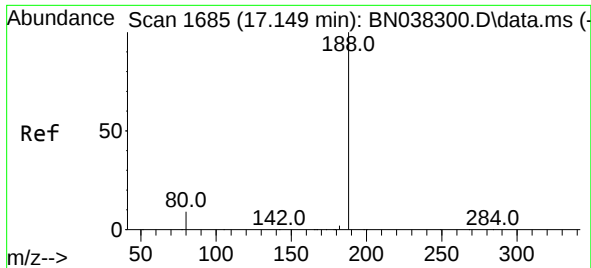
Tgt Ion:154 Resp: 993
Ion Ratio Lower Upper
154 100
153 178.4 89.8 134.8#
152 0.0 47.5 71.3#



#18
Fluorene
Concen: 0.056 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion:166 Resp: 2048
Ion Ratio Lower Upper
166 100
165 101.6 80.2 120.4
167 36.6 10.6 16.0#

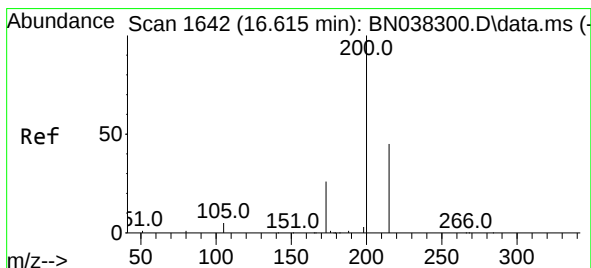
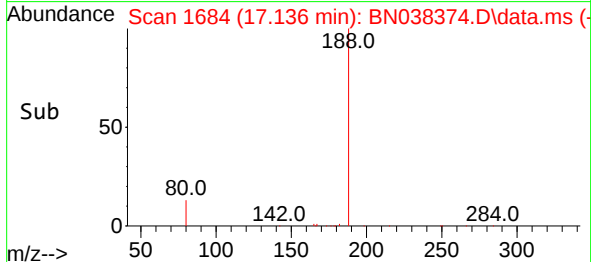
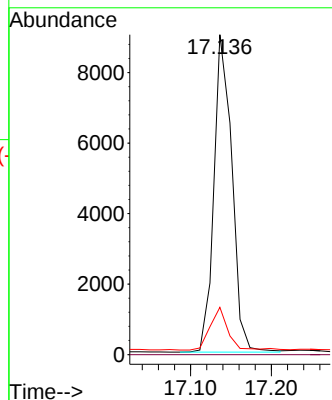
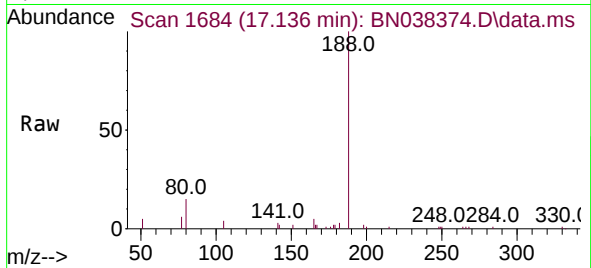




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

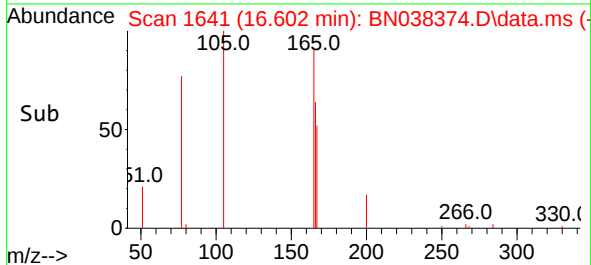
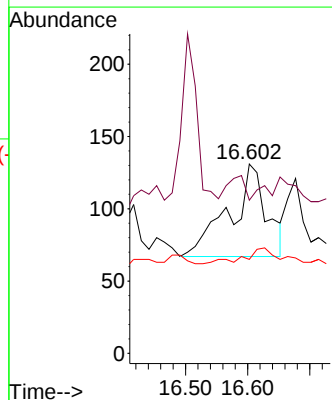
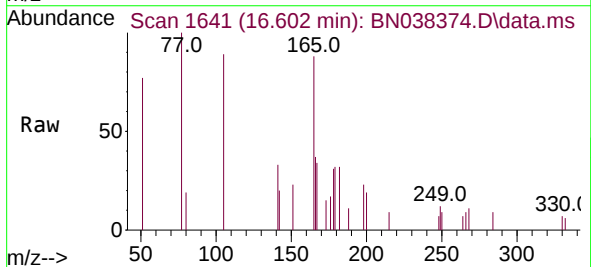
Instrument :
BNA_N
ClientSampleId :
C0AS3

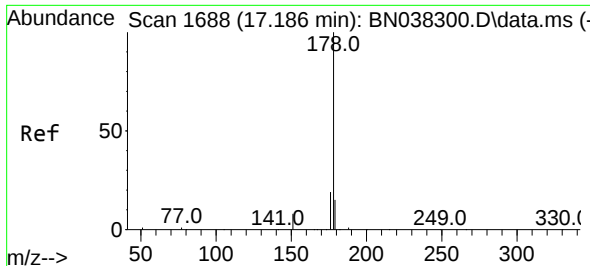
Tgt Ion:188 Resp: 13963
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.8 7.4 11.0#



#23
Atrazine
Concen: 0.037 ng
RT: 16.602 min Scan# 1641
Delta R.T. -0.012 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion:200 Resp: 263
Ion Ratio Lower Upper
200 100
173 80.9 22.1 33.1#
215 49.6 37.4 56.2

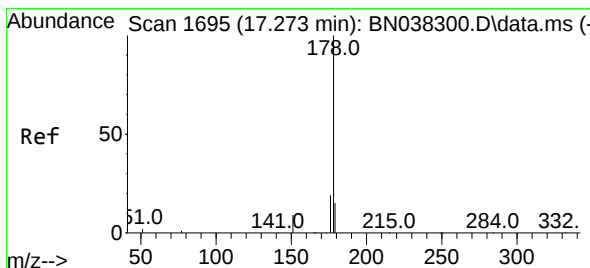
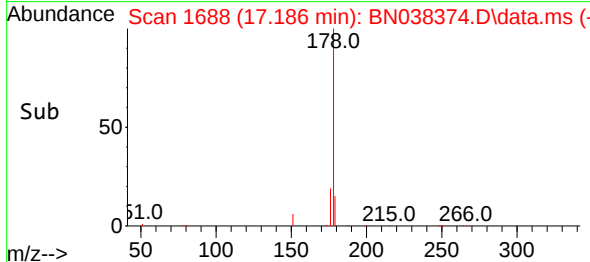
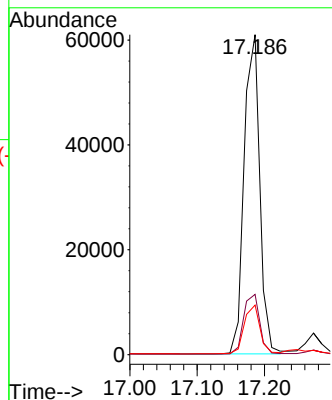
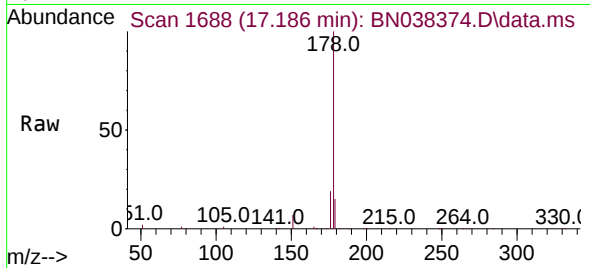




#25
 Phenanthrene
 Concen: 2.013 ng
 RT: 17.186 min Scan# 1688
 Delta R.T. 0.000 min
 Lab File: BN038374.D
 Acq: 13 Dec 2025 06:06

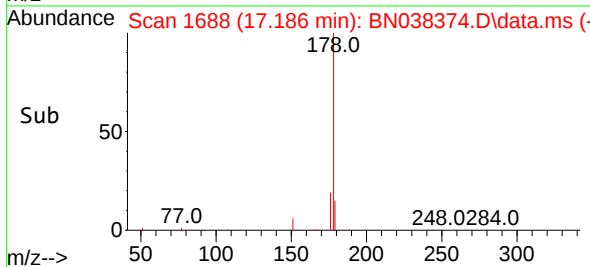
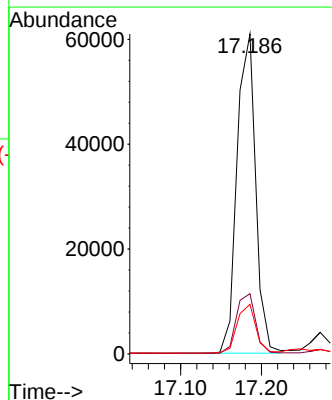
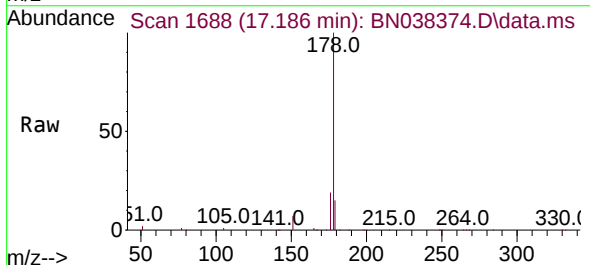
Instrument :
 BNA_N
 ClientSampleId :
 C0AS3

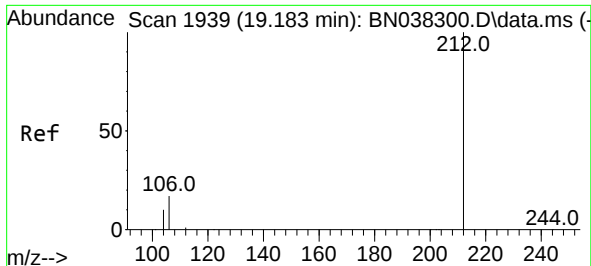
Tgt Ion:178 Resp: 97831
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.5 23.3
 179 15.5 12.2 18.2



#26
 Anthracene
 Concen: 2.333 ng
 RT: 17.186 min Scan# 1688
 Delta R.T. -0.099 min
 Lab File: BN038374.D
 Acq: 13 Dec 2025 06:06

Tgt Ion:178 Resp: 97747
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.1 22.7
 179 15.5 12.0 18.0

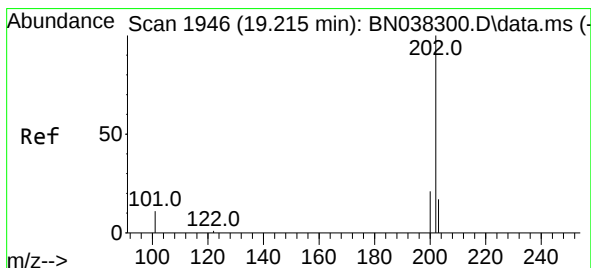
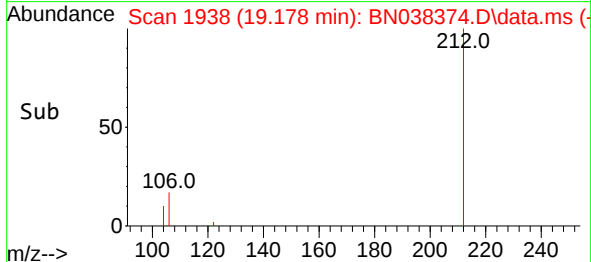
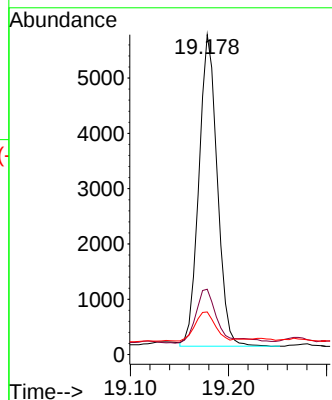
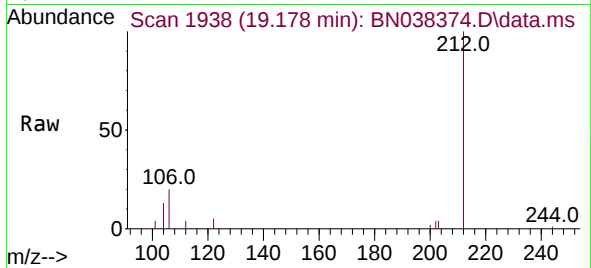




#27
Fluoranthene-d10
Concen: 0.212 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

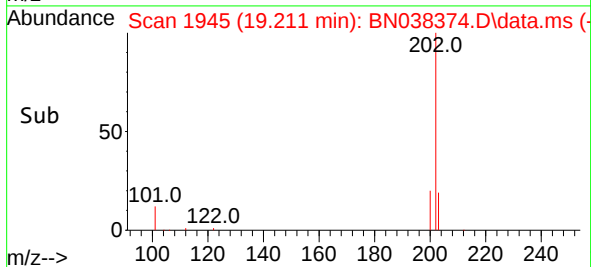
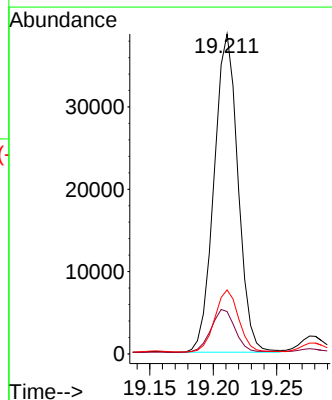
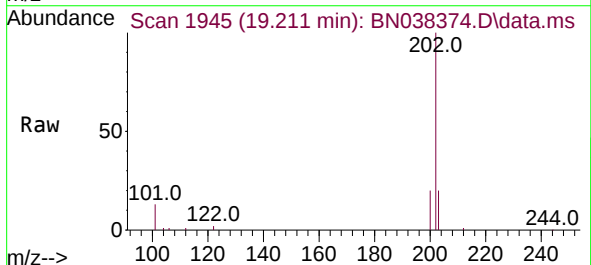
Instrument :
BNA_N
ClientSampleId :
C0AS3

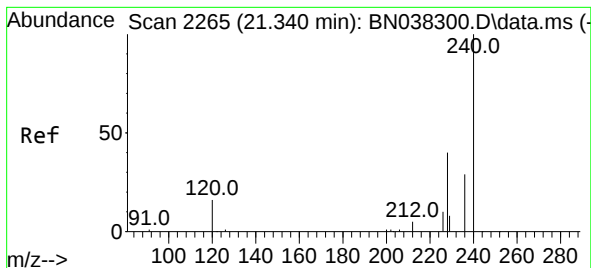
Tgt Ion:212 Resp: 7324
Ion Ratio Lower Upper
212 100
106 20.8 13.7 20.5#
104 10.4 7.8 11.8



#28
Fluoranthene
Concen: 0.982 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion:202 Resp: 50733
Ion Ratio Lower Upper
202 100
101 13.9 9.6 14.4
203 19.3 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: BN038374.D

Acq: 13 Dec 2025 06:06

Instrument :

BNA_N

ClientSampleId :

C0AS3

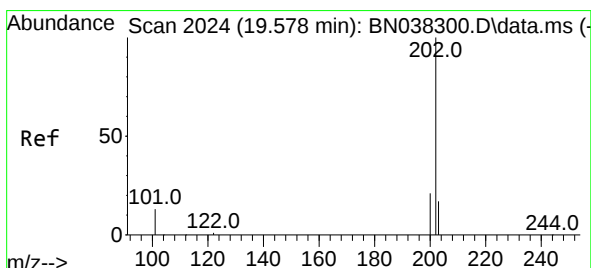
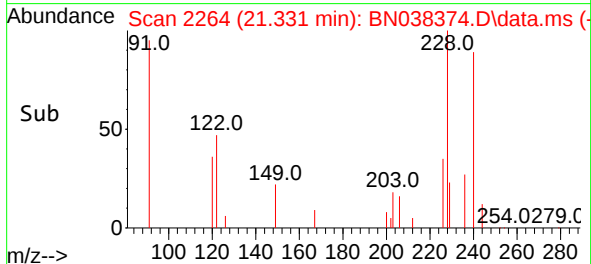
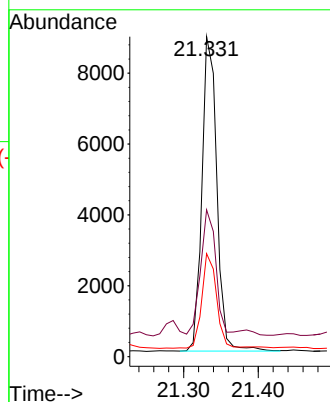
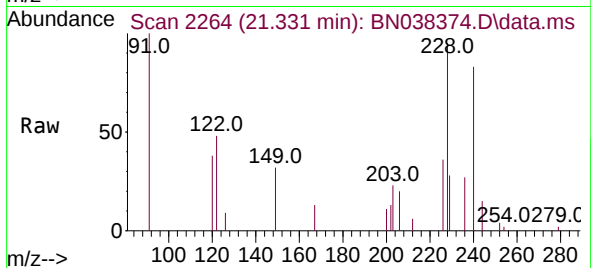
Tgt Ion:240 Resp: 12342

Ion Ratio Lower Upper

240 100

120 45.9 15.4 23.2#

236 32.2 23.9 35.9



#30

Pyrene

Concen: 0.919 ng

RT: 19.573 min Scan# 2023

Delta R.T. -0.009 min

Lab File: BN038374.D

Acq: 13 Dec 2025 06:06

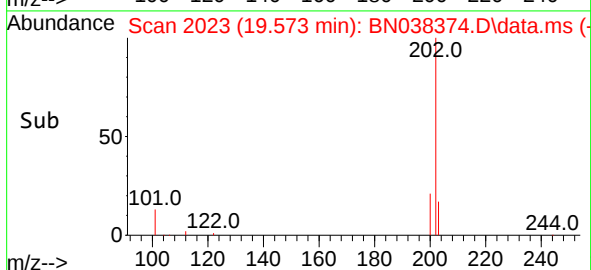
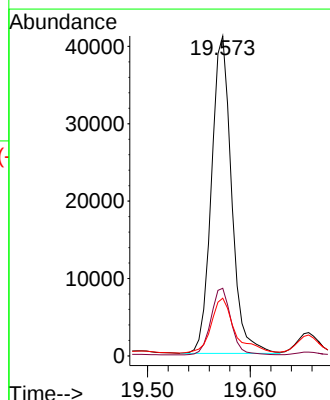
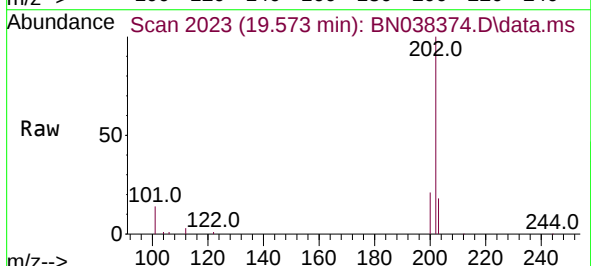
Tgt Ion:202 Resp: 55808

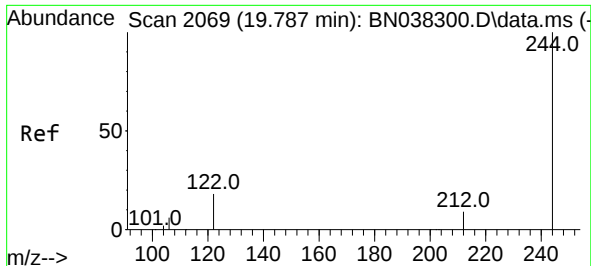
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 20.3 14.2 21.2

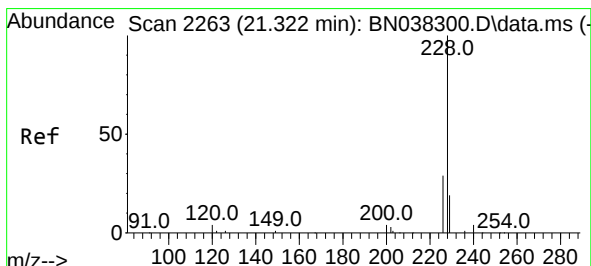
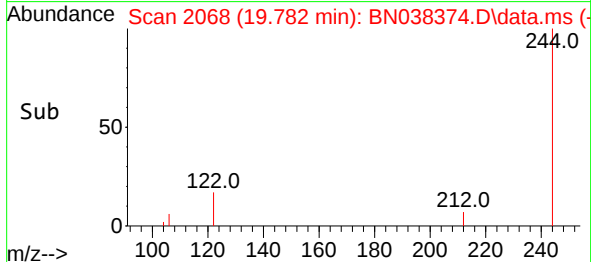
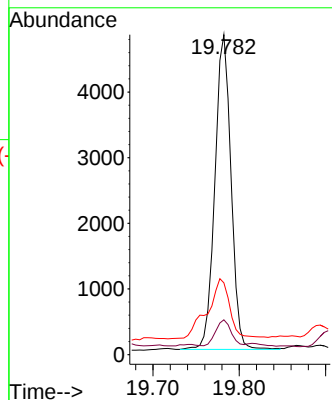
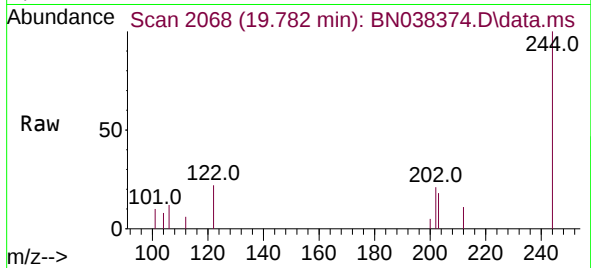




#31
 Terphenyl-d14
 Concen: 0.225 ng
 RT: 19.782 min Scan# 2069
 Delta R.T. -0.009 min
 Lab File: BN038374.D
 Acq: 13 Dec 2025 06:06

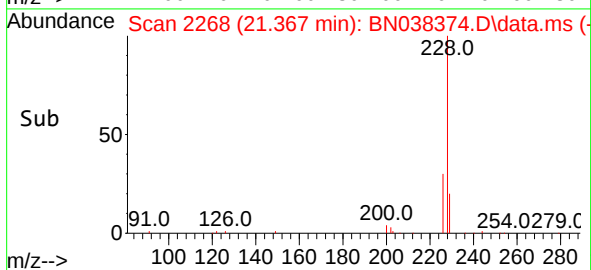
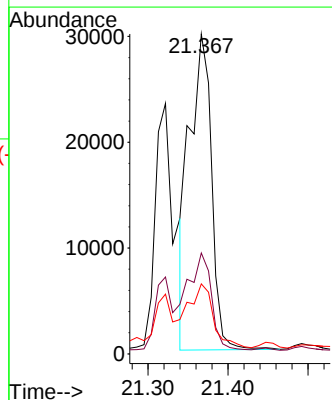
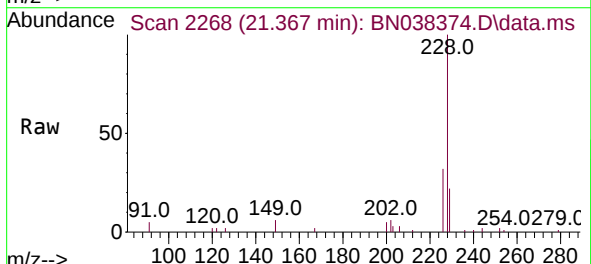
Instrument :
 BNA_N
 ClientSampleId :
 C0AS3

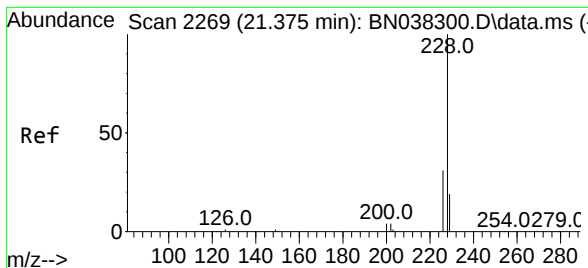
Tgt Ion:244 Resp: 6197
 Ion Ratio Lower Upper
 244 100
 212 10.9 7.9 11.9
 122 22.4 15.0 22.6



#32
 Benzo(a)anthracene
 Concen: 1.202 ng
 RT: 21.367 min Scan# 2268
 Delta R.T. 0.036 min
 Lab File: BN038374.D
 Acq: 13 Dec 2025 06:06

Tgt Ion:228 Resp: 57323
 Ion Ratio Lower Upper
 228 100
 226 31.5 23.3 34.9
 229 21.9 15.7 23.5





#33

Chrysene

Concen: 1.095 ng

RT: 21.367 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038374.D

Acq: 13 Dec 2025 06:06

Instrument :

BNA_N

ClientSampleId :

C0AS3

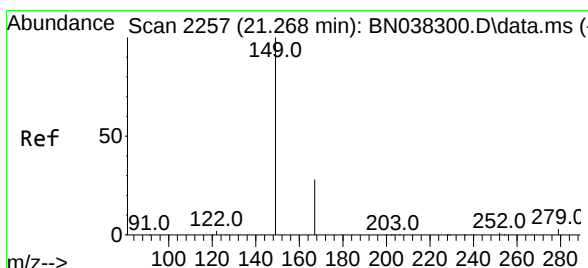
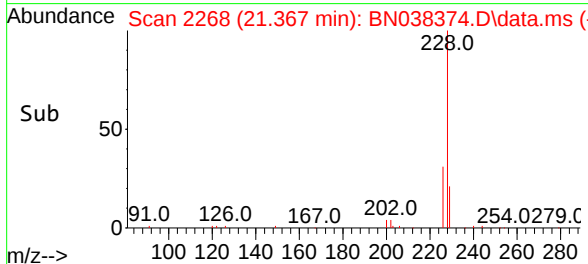
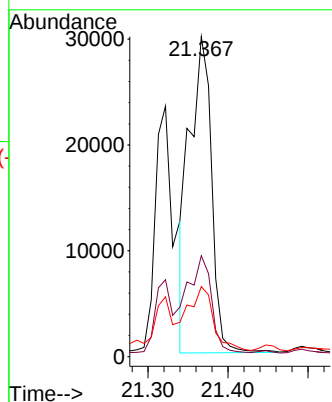
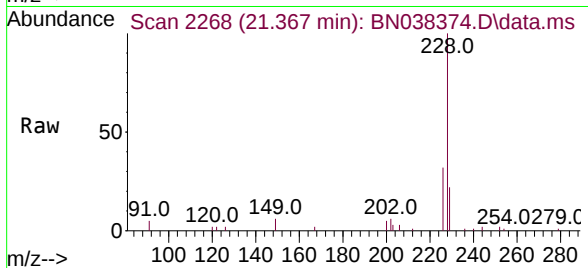
Tgt Ion:228 Resp: 57489

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.4

229 21.9 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.079 ng

RT: 21.259 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN038374.D

Acq: 13 Dec 2025 06:06

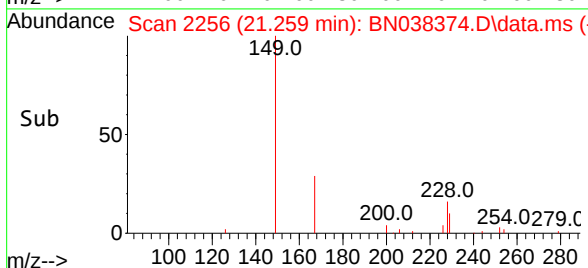
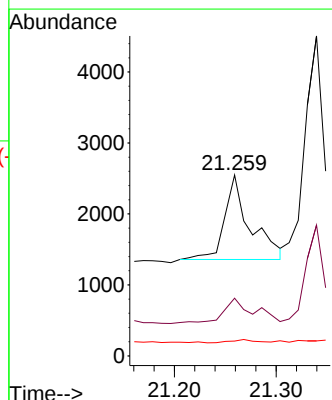
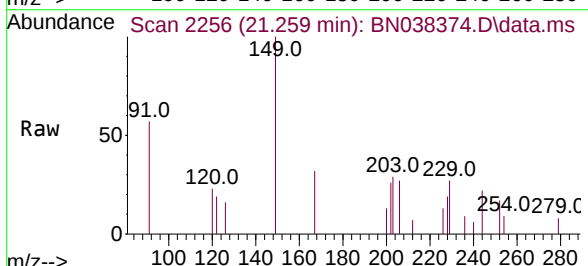
Tgt Ion:149 Resp: 2054

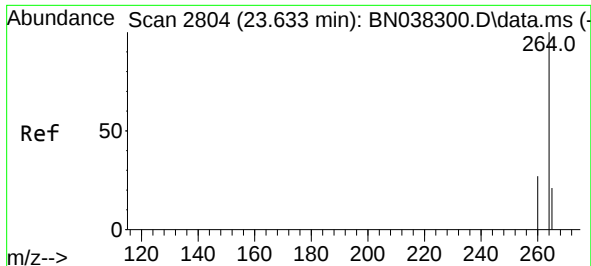
Ion Ratio Lower Upper

149 100

167 32.1 21.4 32.0#

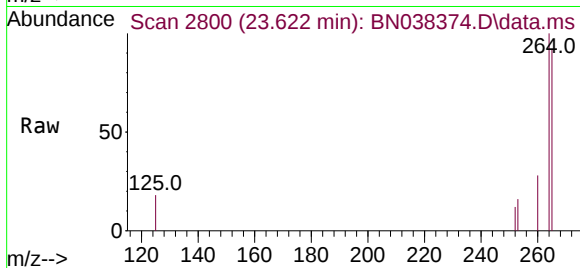
279 3.7 2.4 3.6#



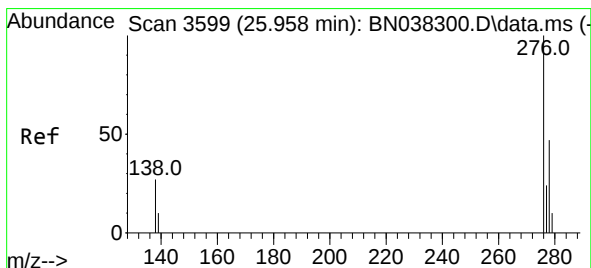
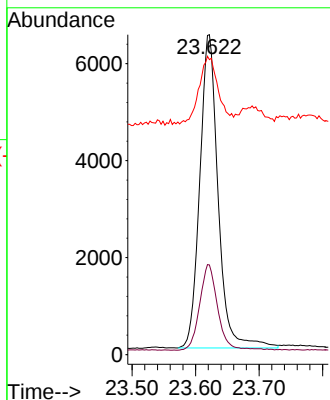
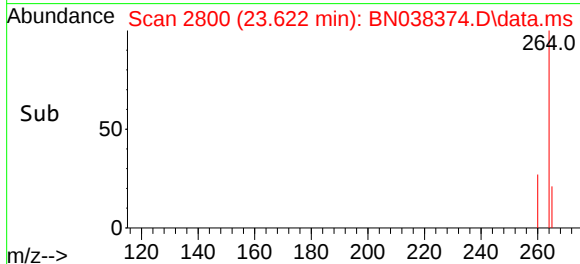


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

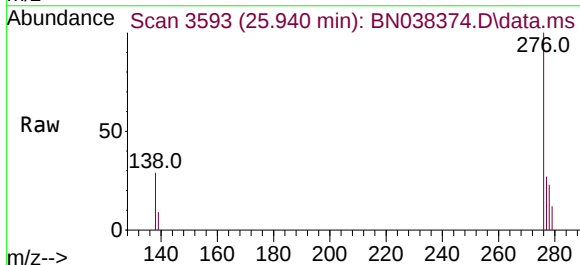
Instrument :
BNA_N
ClientSampleId :
C0AS3



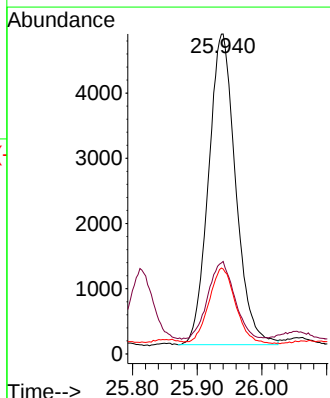
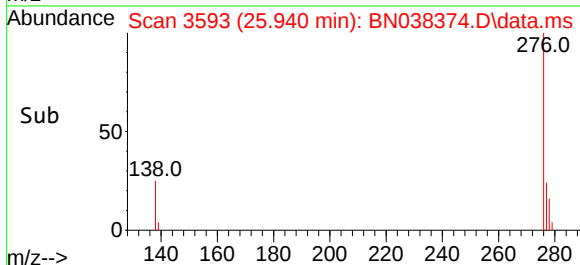
Tgt Ion:264 Resp: 12975
Ion Ratio Lower Upper
264 100
260 28.0 22.2 33.2
265 92.2 80.2 120.2

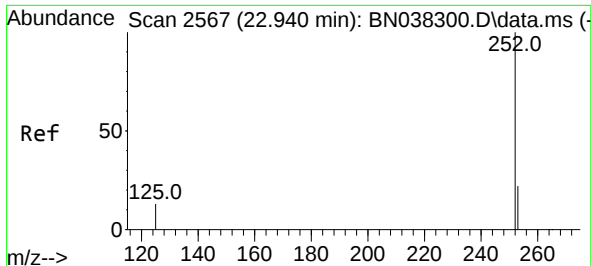


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.202 ng
RT: 25.940 min Scan# 3593
Delta R.T. -0.023 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06



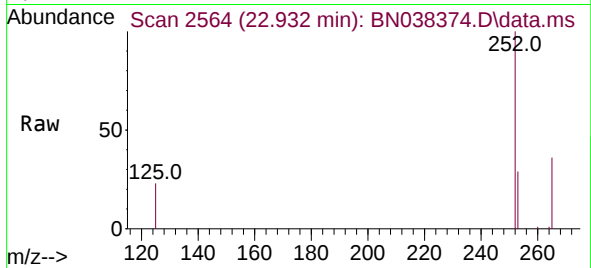
Tgt Ion:276 Resp: 13879
Ion Ratio Lower Upper
276 100
138 25.7 23.6 35.4
277 23.7 19.7 29.5



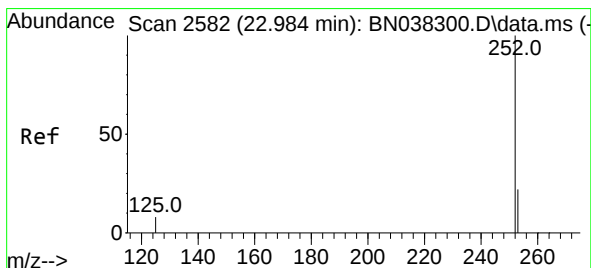
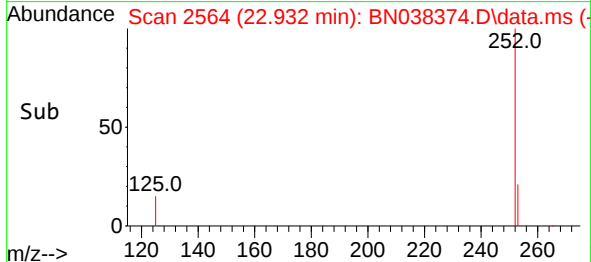
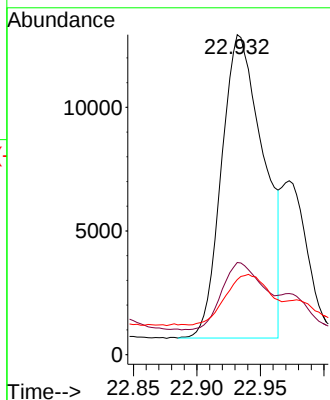


#37
Benzo(b)fluoranthene
Concen: 0.474 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.014 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Instrument :
BNA_N
ClientSampleId :
C0AS3

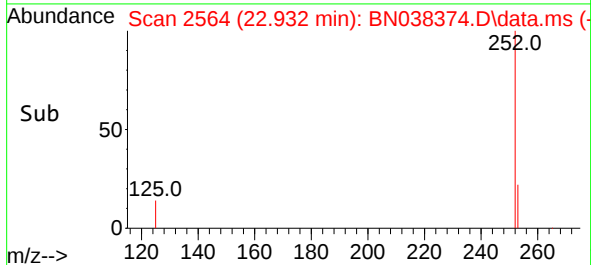
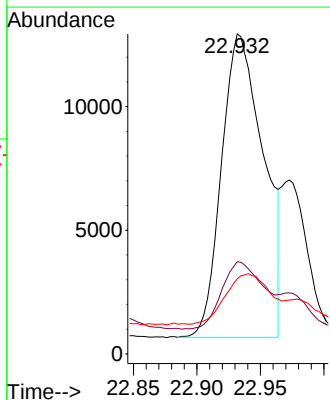
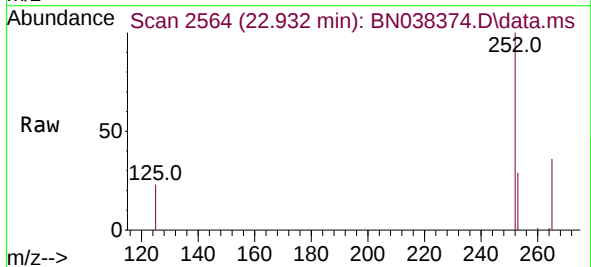


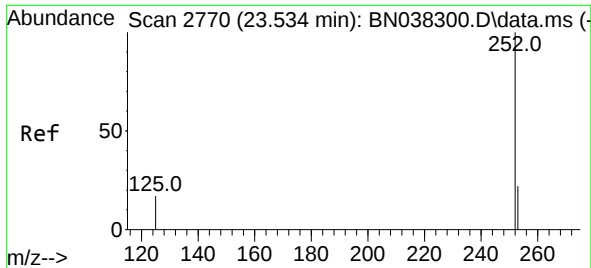
Tgt Ion:252 Resp: 28220
Ion Ratio Lower Upper
252 100
253 28.8 21.1 31.7
125 23.4 16.4 24.6



#38
Benzo(k)fluoranthene
Concen: 0.475 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.058 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion:252 Resp: 28220
Ion Ratio Lower Upper
252 100
253 28.8 21.4 32.0
125 23.4 16.2 24.2

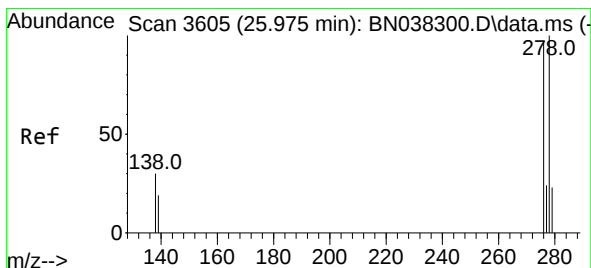
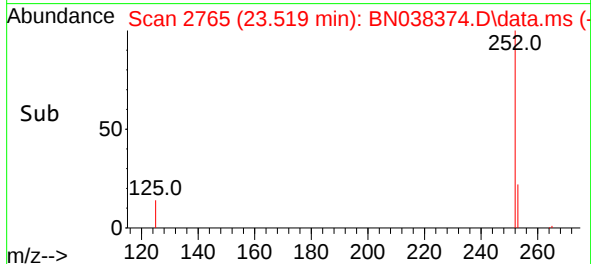
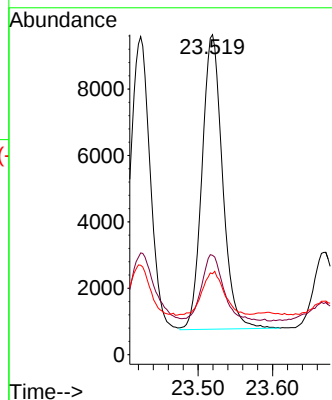
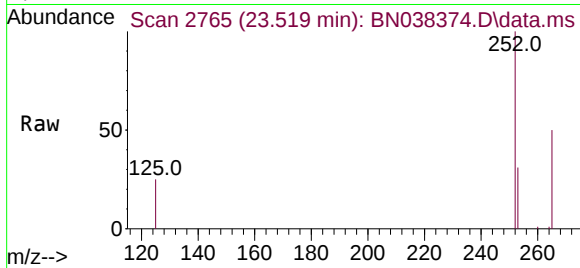




#39
Benzo(a)pyrene
Concen: 0.348 ng
RT: 23.519 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

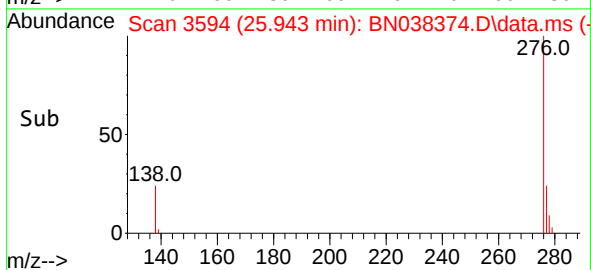
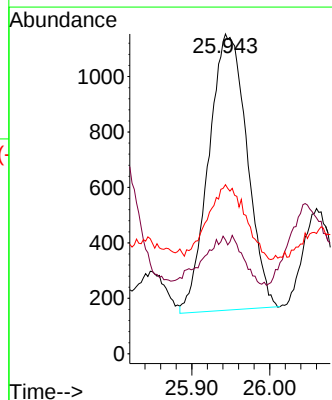
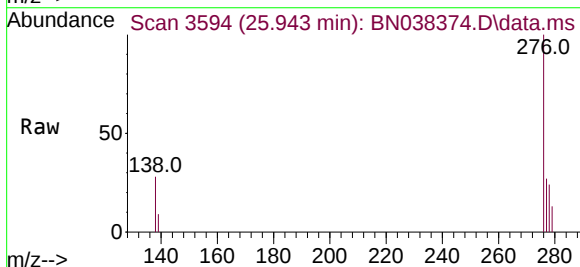
Instrument :
BNA_N
ClientSampleId :
C0AS3

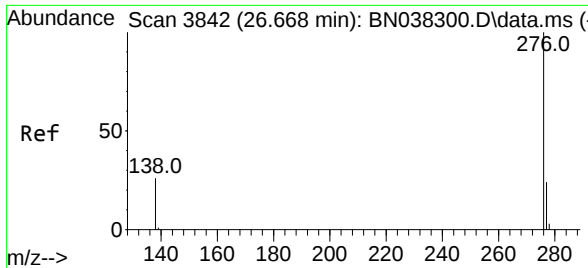
Tgt Ion:252 Resp: 16975
Ion Ratio Lower Upper
252 100
253 31.0 23.3 34.9
125 25.3 22.4 33.6



#40
Dibenzo(a,h)anthracene
Concen: 0.064 ng
RT: 25.943 min Scan# 3594
Delta R.T. -0.038 min
Lab File: BN038374.D
Acq: 13 Dec 2025 06:06

Tgt Ion:278 Resp: 3395
Ion Ratio Lower Upper
278 100
139 35.6 17.8 26.8#
279 52.9 21.3 31.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.260 ng
 RT: 26.648 min Scan# 3842
 Delta R.T. -0.029 min
 Lab File: BN038374.D
 Acq: 13 Dec 2025 06:06

Instrument :
 BNA_N
 ClientSampleId :
 C0AS3

Tgt Ion:276	Resp:	15429
Ion Ratio	Lower	Upper
276	100	
277	25.9	20.0 30.0
138	27.8	21.8 32.6

