

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038364.D
 Acq On : 13 Dec 2025 00:00
 Operator : RC/JU
 Sample : Q3839-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AM6

Quant Time: Dec 13 02:11:45 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)

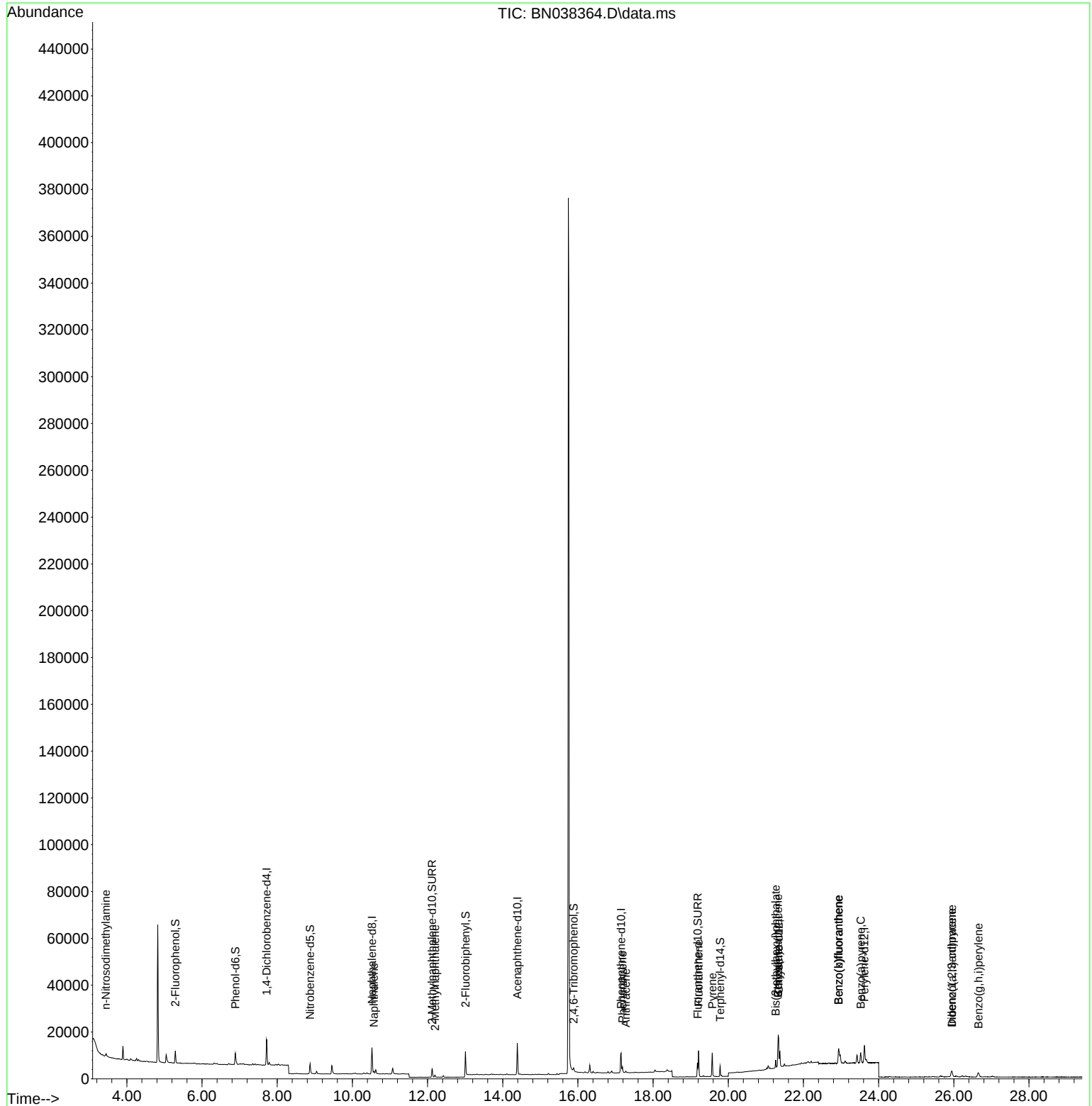
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5646	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	15014	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7287	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	12968	0.400	ng	0.00
29) Chrysene-d12	21.340	240	10273	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	10823	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	4115	0.293	ng	0.00
5) Phenol-d6	6.887	99	4764	0.285	ng	0.00
8) Nitrobenzene-d5	8.875	82	3695	0.292	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	5159	0.244	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	785	0.243	ng	-0.01
15) 2-Fluorobiphenyl	13.008	172	9947	0.283	ng	0.00
27) Fluoranthene-d10	19.183	212	6567	0.205	ng	0.00
31) Terphenyl-d14	19.782	244	4177	0.182	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.442	42	687	0.085	ng	# 1
9) Naphthalene	10.573	128	1172	0.026	ng	# 81
12) 2-Methylnaphthalene	12.197	142	700	0.025	ng	# 87
25) Phenanthrene	17.186	178	2539	0.056	ng	97
26) Anthracene	17.273	178	837	0.022	ng	98
28) Fluoranthene	19.211	202	9710	0.202	ng	98
30) Pyrene	19.573	202	9279	0.183	ng	# 96
32) Benzo(a)anthracene	21.322	228	7219	0.182	ng	98
33) Chrysene	21.322	228	7219	0.165	ng	95
34) Bis(2-ethylhexyl)phtha...	21.259	149	3032	0.139	ng	98
36) Indeno(1,2,3-cd)pyrene	25.946	276	4186	0.073	ng	94
37) Benzo(b)fluoranthene	22.934	252	9964	0.200	ng	# 76
38) Benzo(k)fluoranthene	22.934	252	9964	0.201	ng	# 76
39) Benzo(a)pyrene	23.522	252	6391	0.157	ng	# 79
40) Dibenzo(a,h)anthracene	25.955	278	1255	0.028	ng	# 25
41) Benzo(g,h,i)perylene	26.653	276	4063	0.082	ng	# 88

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038364.D
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Operator : RC/JU
Sample : Q3839-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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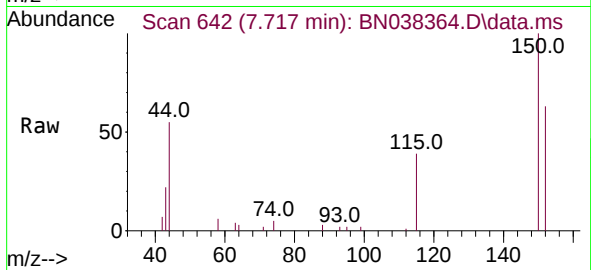
Quant Time: Dec 13 02:11:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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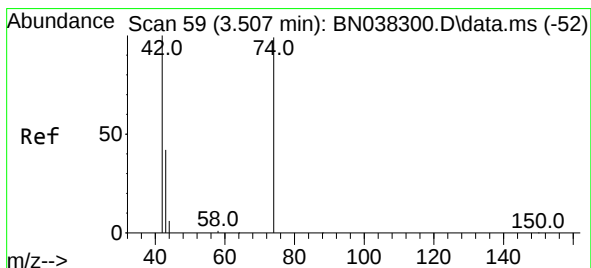
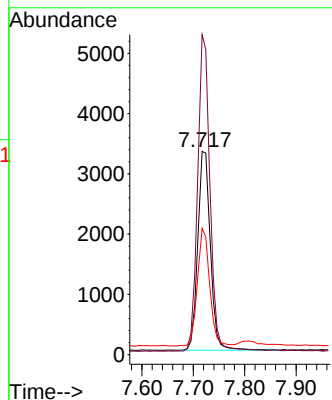
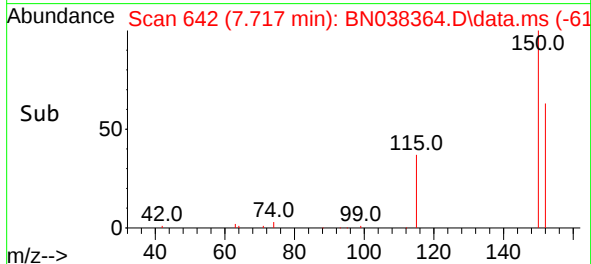


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

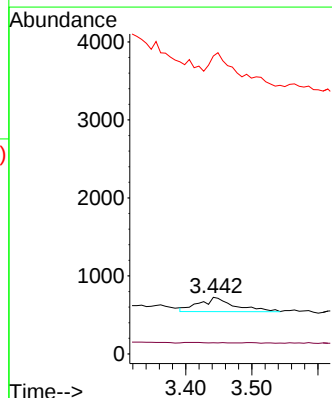
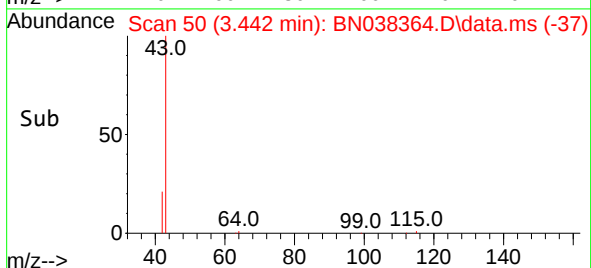
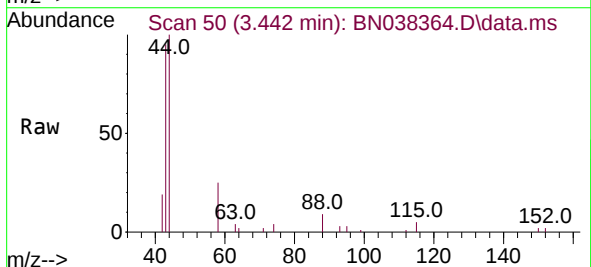


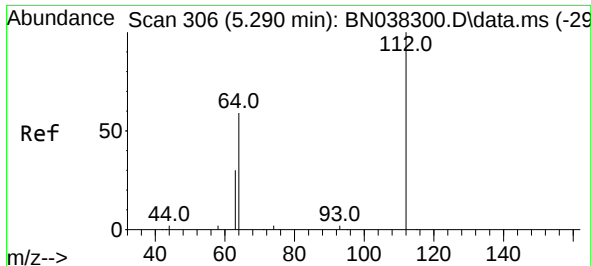
Tgt Ion:152 Resp: 5646
Ion Ratio Lower Upper
152 100
150 157.5 122.4 183.6
115 62.1 47.3 70.9



#3
n-Nitrosodimethylamine
Concen: 0.085 ng
RT: 3.442 min Scan# 50
Delta R.T. -0.058 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion: 42 Resp: 687
Ion Ratio Lower Upper
42 100
74 0.0 95.3 142.9#
44 182.0 7.9 11.9#

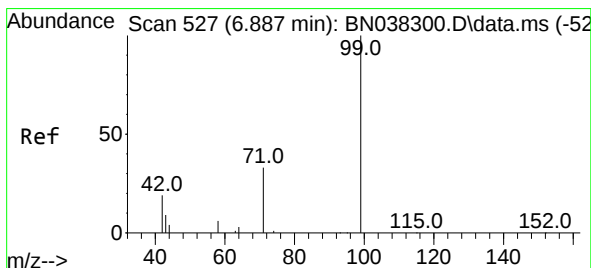
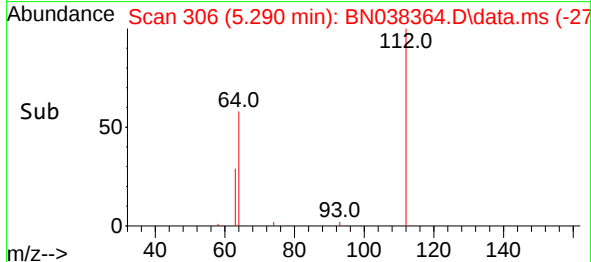
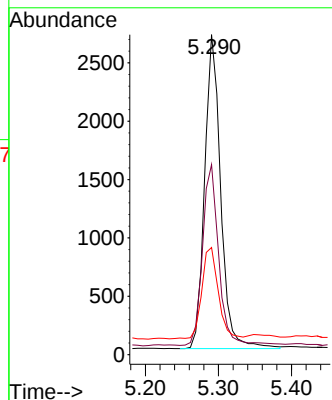
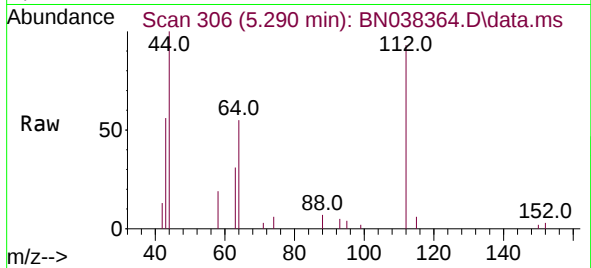




#4
2-Fluorophenol
Concen: 0.293 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

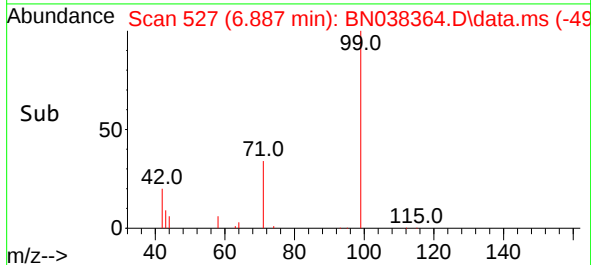
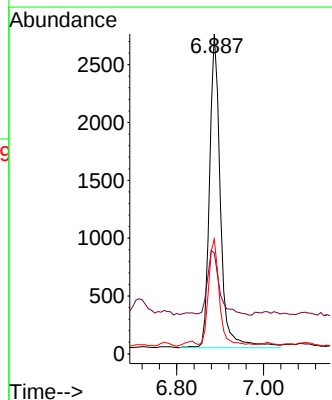
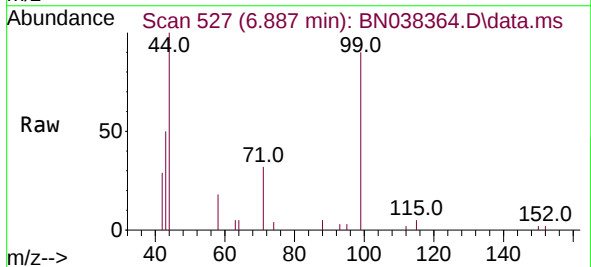
Instrument :
BNA_N
ClientSampleId :
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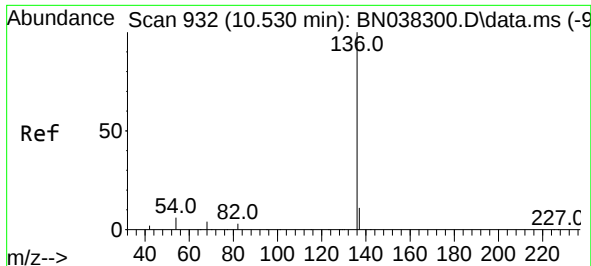
Tgt Ion:	112	Resp:	4115
Ion	Ratio	Lower	Upper
112	100		
64	58.4	44.4	66.6
63	29.9	23.4	35.0



#5
Phenol-d6
Concen: 0.285 ng
RT: 6.887 min Scan# 527
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion:	99	Resp:	4764
Ion	Ratio	Lower	Upper
99	100		
42	22.3	16.5	24.7
71	32.4	24.9	37.3

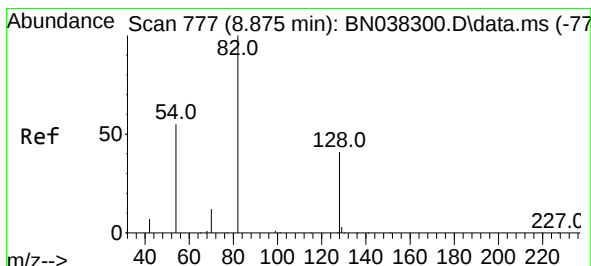
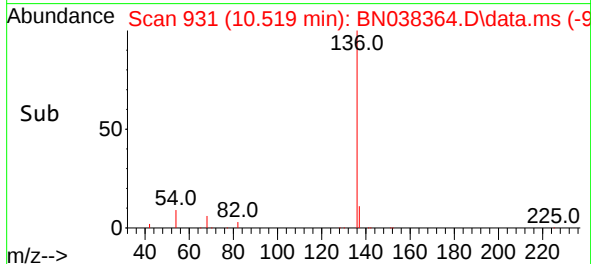
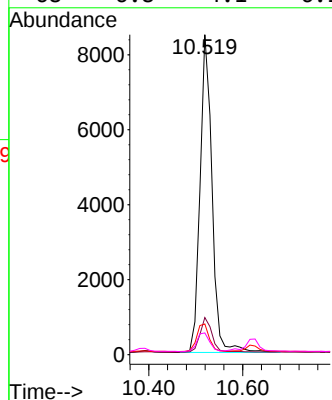
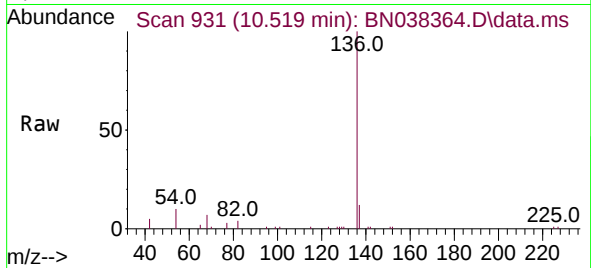




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

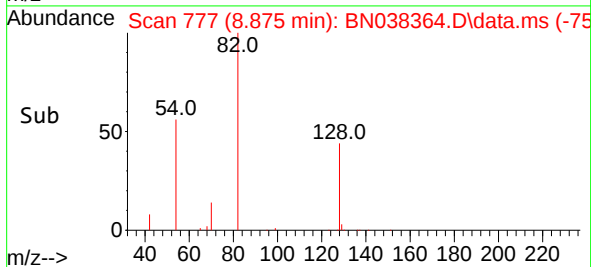
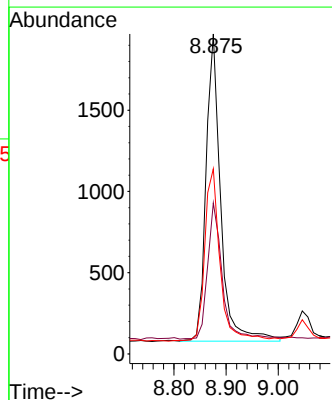
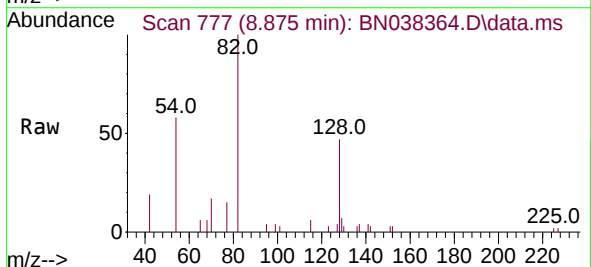
Instrument :
BNA_N
ClientSampleId :
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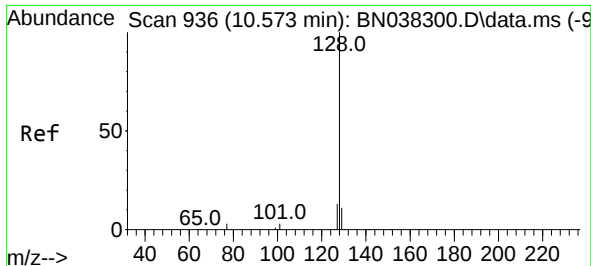
Tgt Ion:136	Resp:	15014
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.1 13.7
54	9.6	5.2 7.8#
68	6.8	4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.292 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion: 82	Resp:	3695
Ion Ratio	Lower	Upper
82	100	
128	47.2	34.0 51.0
54	57.8	44.4 66.6

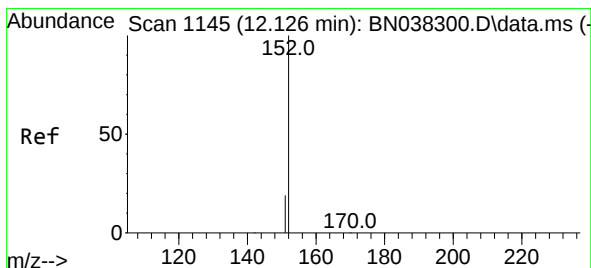
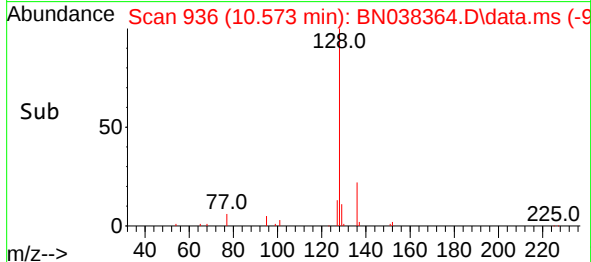
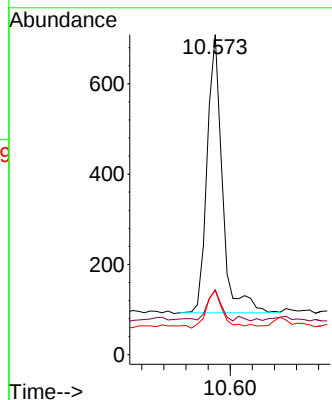
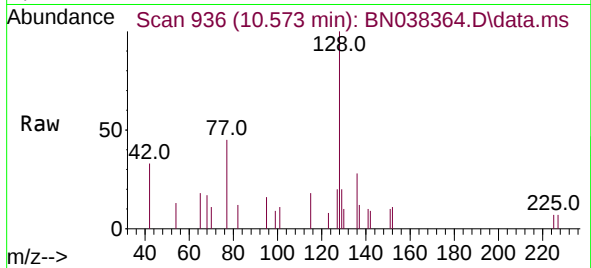




#9
Naphthalene
Concen: 0.026 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

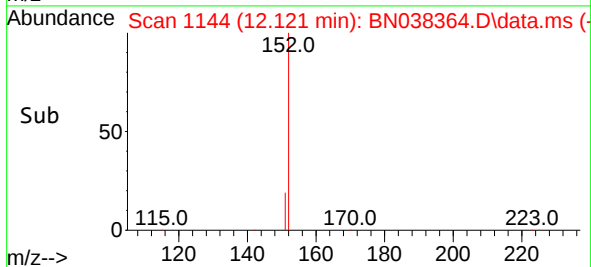
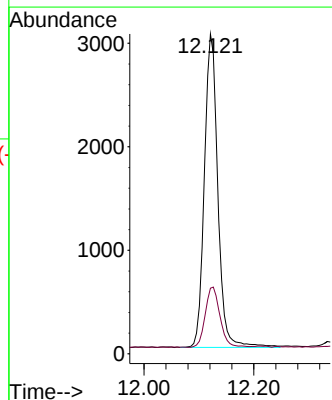
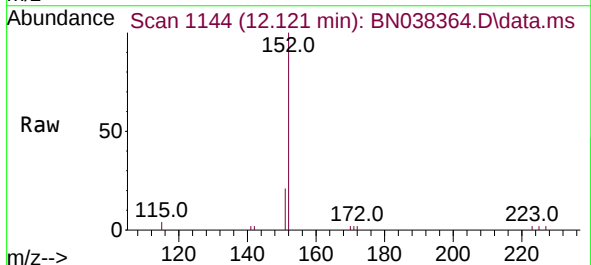
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ClientSampleId :
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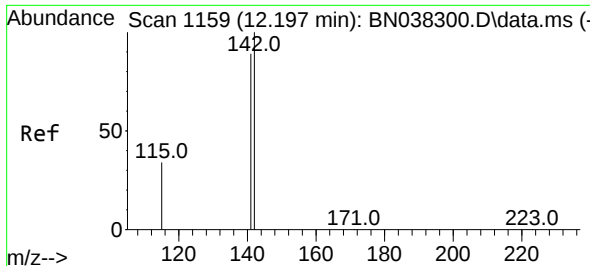
Tgt Ion:128 Resp: 1172
Ion Ratio Lower Upper
128 100
129 20.3 9.1 13.7#
127 20.0 10.9 16.3#



#11
2-Methylnaphthalene-d10
Concen: 0.244 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion:152 Resp: 5159
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6

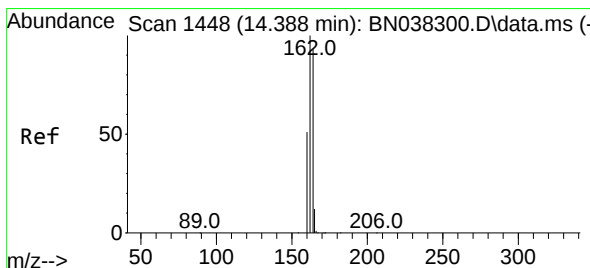
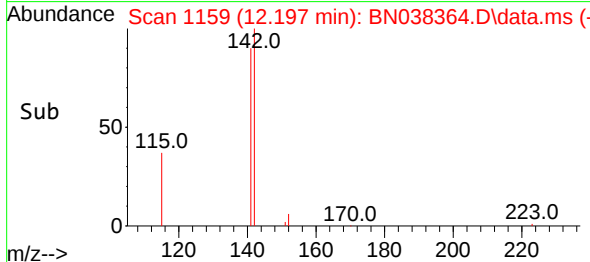
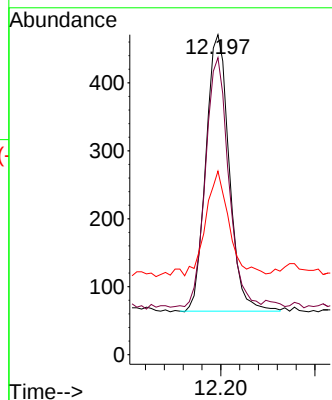
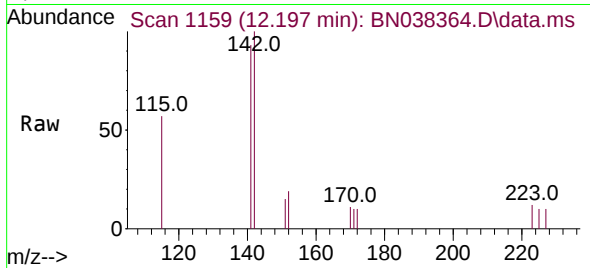




#12
2-Methylnaphthalene
Concen: 0.025 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

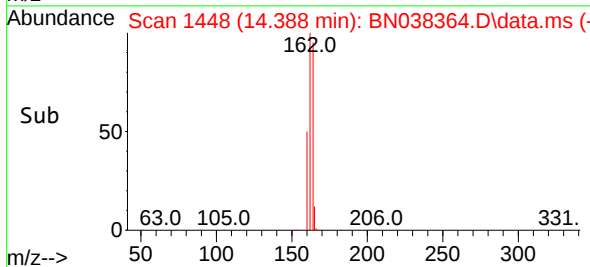
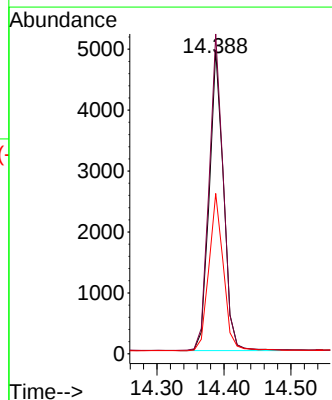
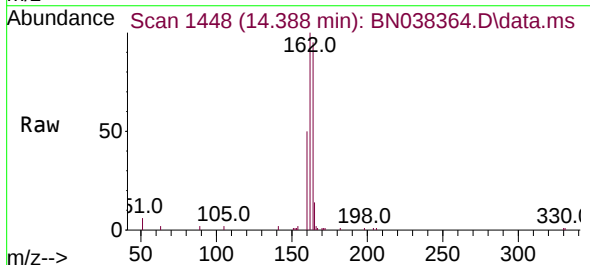
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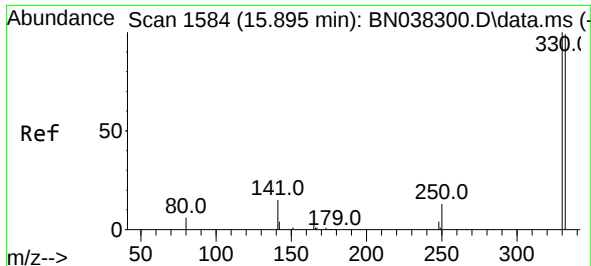
Tgt Ion:142 Resp: 700
Ion Ratio Lower Upper
142 100
141 92.8 71.4 107.2
115 57.3 28.4 42.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion:164 Resp: 7287
Ion Ratio Lower Upper
164 100
162 105.3 86.2 129.4
160 52.8 44.6 67.0

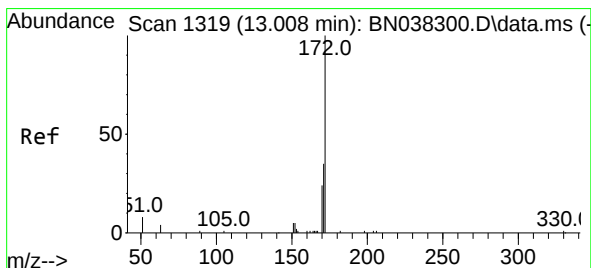
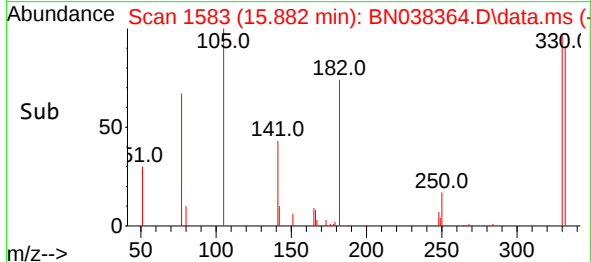
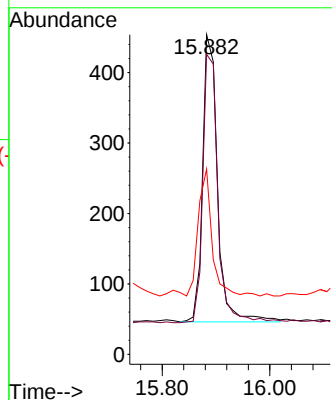
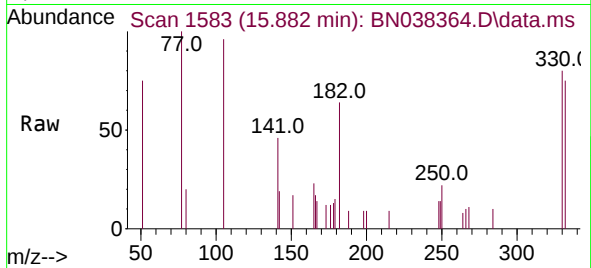




#14
2,4,6-Tribromophenol
Concen: 0.243 ng
RT: 15.882 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

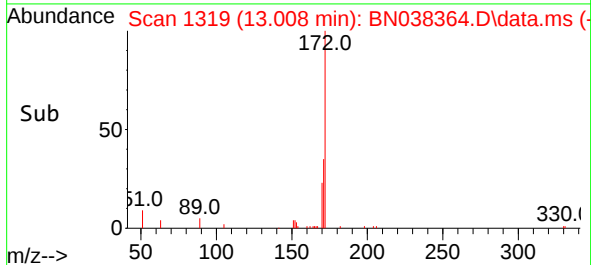
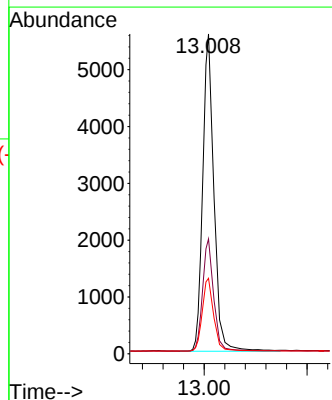
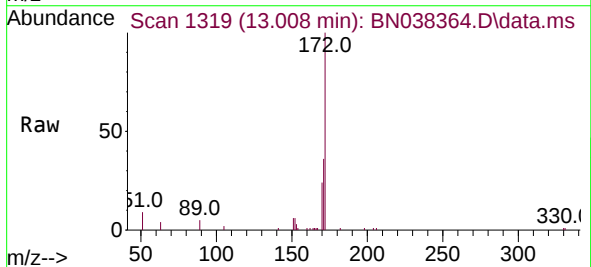
Instrument :
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ClientSampleId :
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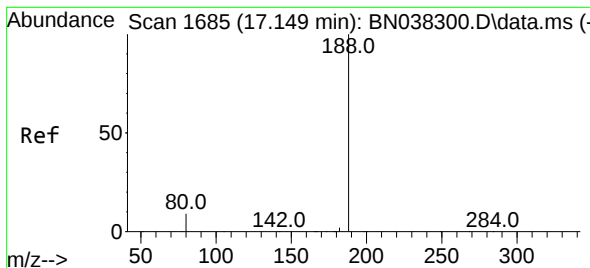
Tgt Ion:330 Resp: 785
Ion Ratio Lower Upper
330 100
332 94.5 75.8 113.6
141 42.5 31.8 47.8



#15
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion:172 Resp: 9947
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 23.6 19.3 28.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1685

Delta R.T. 0.000 min

Lab File: BN038364.D

Acq: 13 Dec 2025 00:00

Instrument :

BNA_N

ClientSampleId :

COAM6

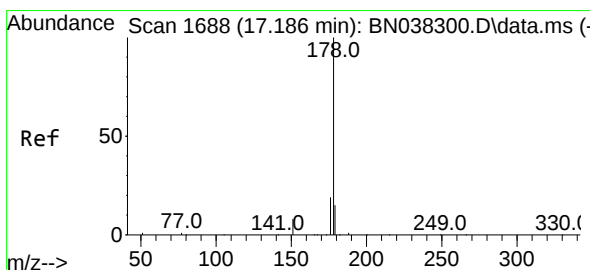
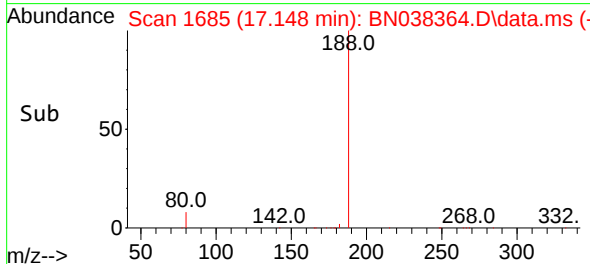
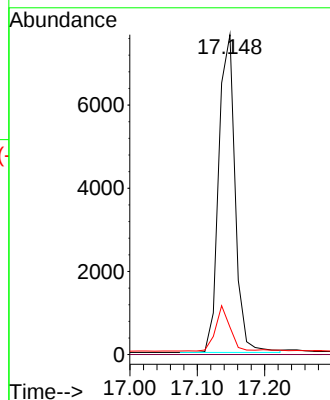
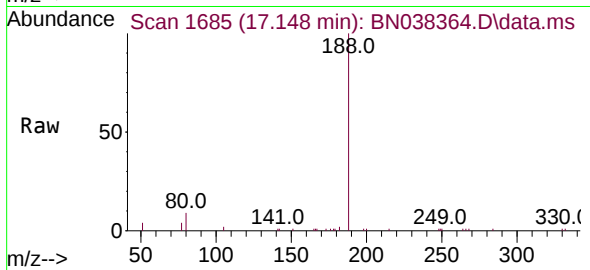
Tgt Ion:188 Resp: 12968

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.6 7.4 11.0



#25

Phenanthrene

Concen: 0.056 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038364.D

Acq: 13 Dec 2025 00:00

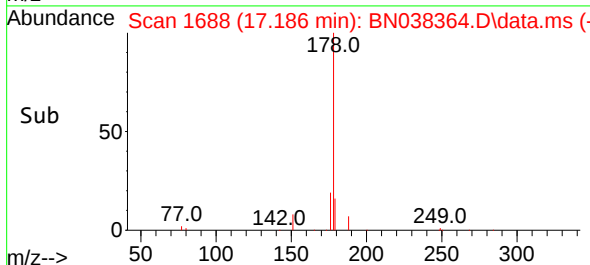
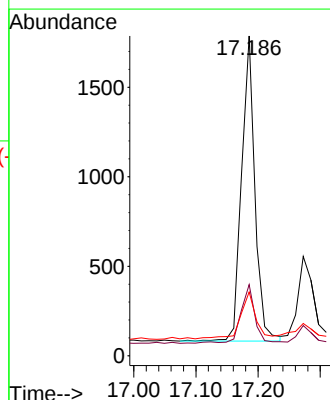
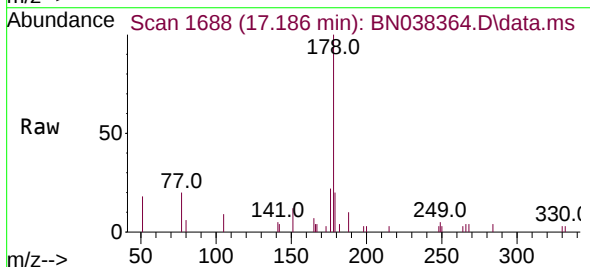
Tgt Ion:178 Resp: 2539

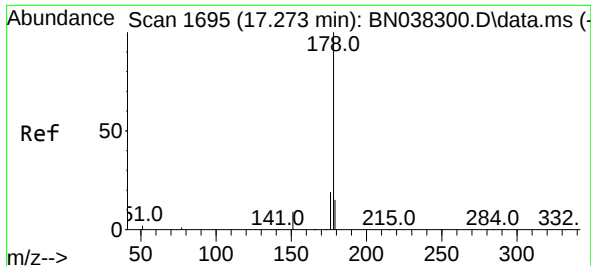
Ion Ratio Lower Upper

178 100

176 20.0 15.5 23.3

179 17.4 12.2 18.2

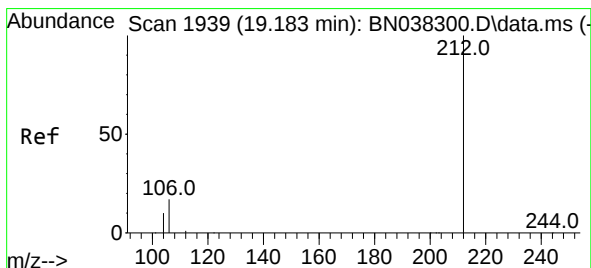
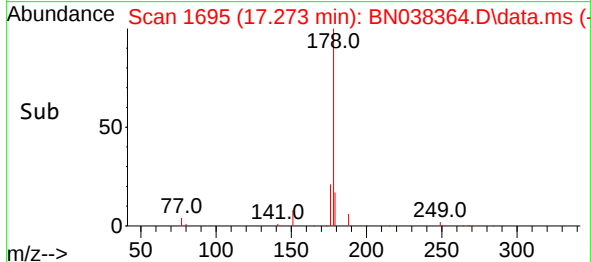
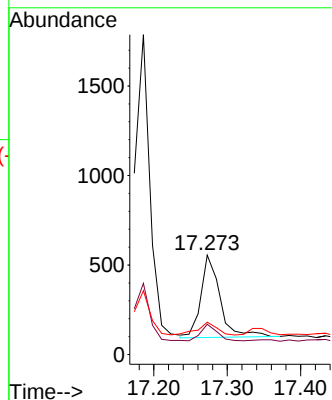
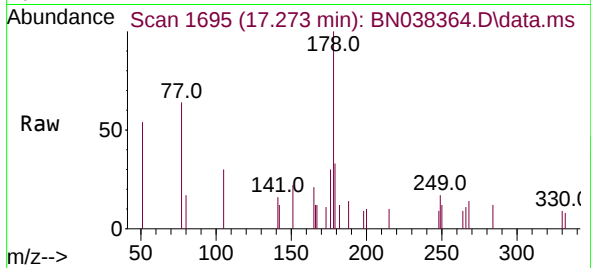




#26
 Anthracene
 Concen: 0.022 ng
 RT: 17.273 min Scan# 1695
 Delta R.T. -0.012 min
 Lab File: BN038364.D
 Acq: 13 Dec 2025 00:00

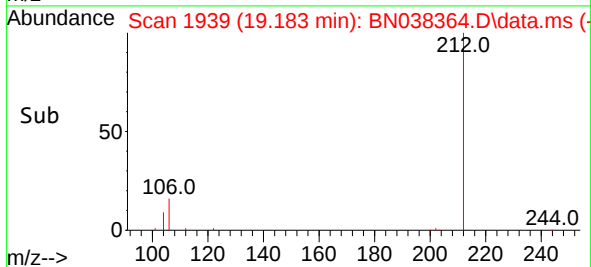
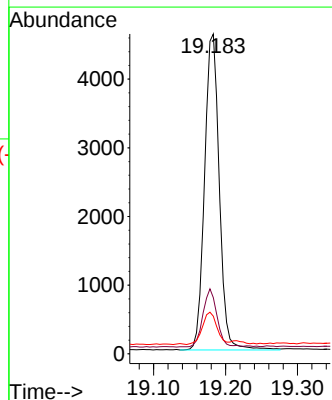
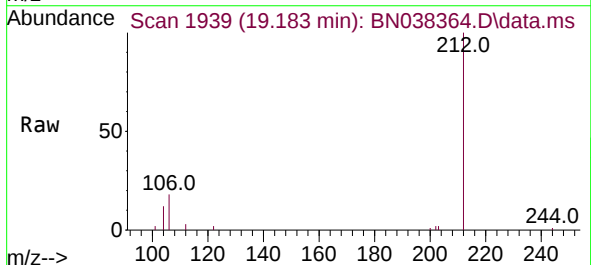
Instrument :
 BNA_N
 ClientSampleId :
 C0AM6

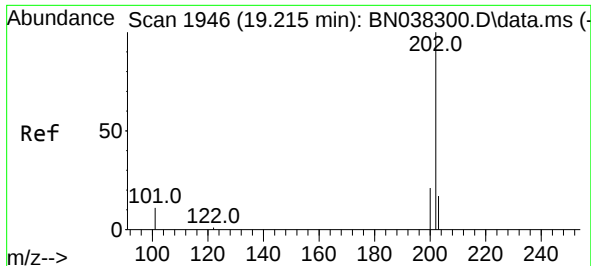
Tgt Ion:178 Resp: 837
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.1 22.7
 179 16.4 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.205 ng
 RT: 19.183 min Scan# 1939
 Delta R.T. -0.005 min
 Lab File: BN038364.D
 Acq: 13 Dec 2025 00:00

Tgt Ion:212 Resp: 6567
 Ion Ratio Lower Upper
 212 100
 106 17.8 13.7 20.5
 104 10.2 7.8 11.8

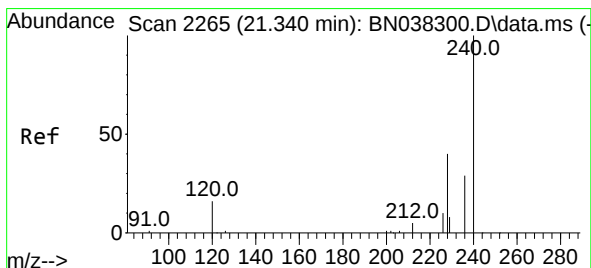
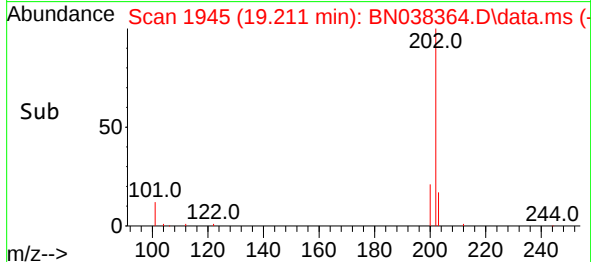
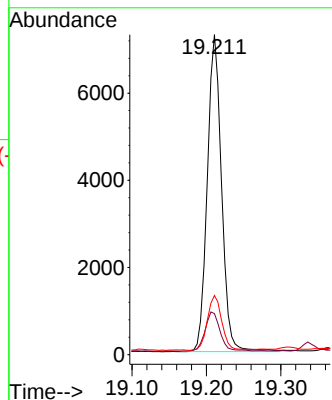
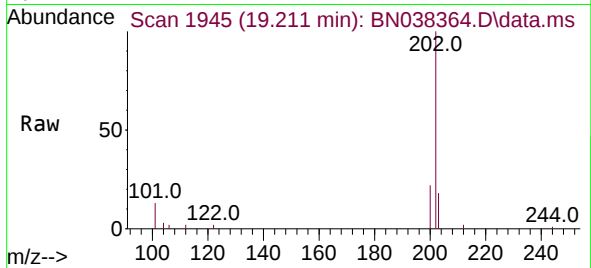




#28
Fluoranthene
Concen: 0.202 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

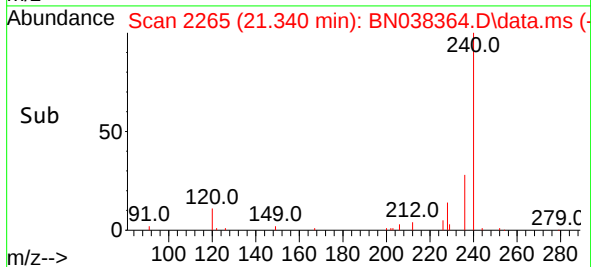
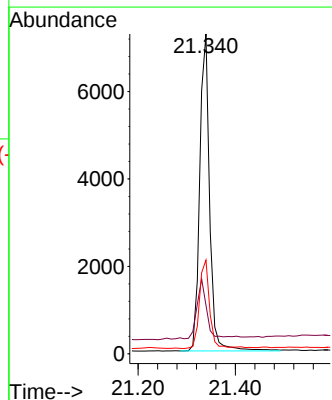
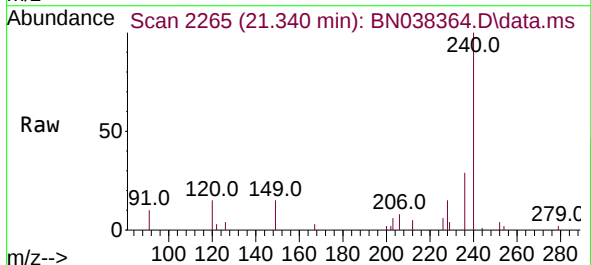
Instrument :
BNA_N
ClientSampleId :
COAM6

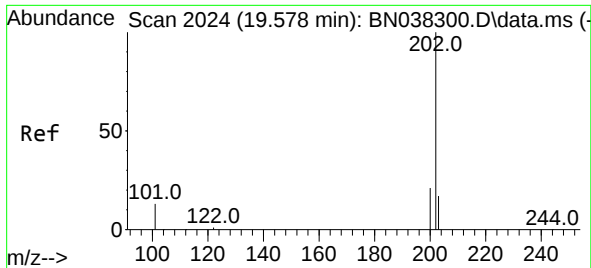
Tgt Ion:202 Resp: 9710
Ion Ratio Lower Upper
202 100
101 13.4 9.6 14.4
203 17.6 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion:240 Resp: 10273
Ion Ratio Lower Upper
240 100
120 15.2 15.4 23.2#
236 29.3 23.9 35.9

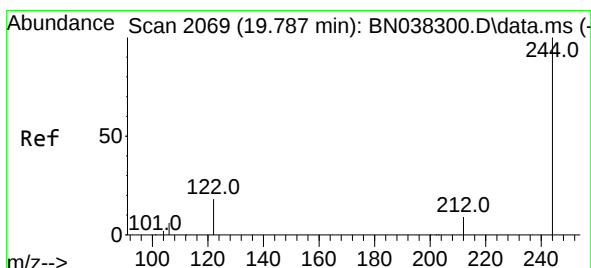
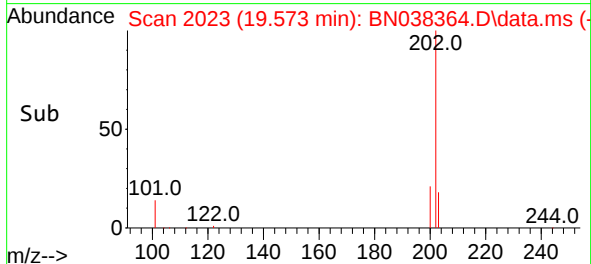
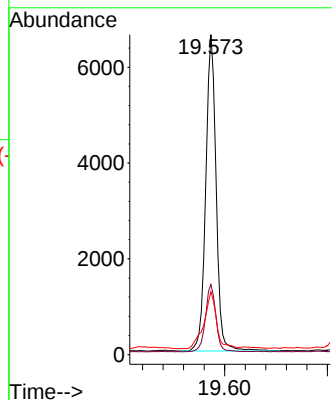
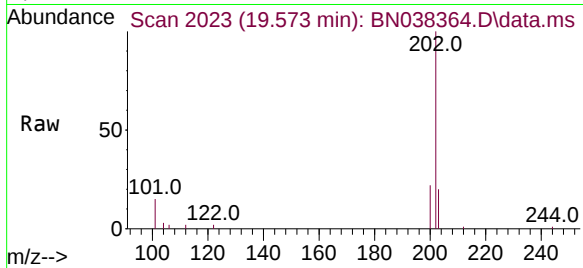




#30
Pyrene
Concen: 0.183 ng
RT: 19.573 min Scan# 20
Delta R.T. -0.009 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

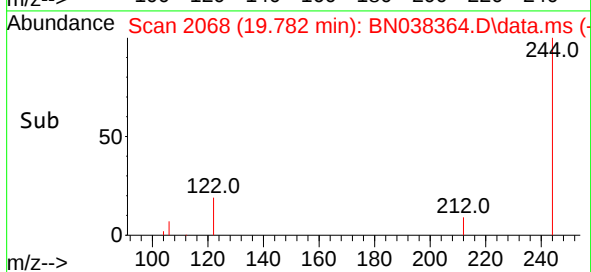
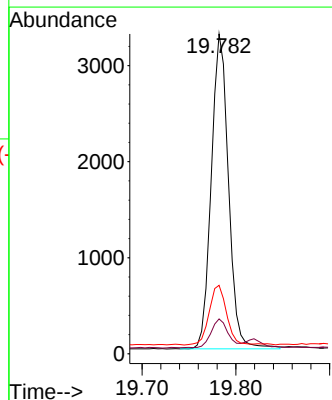
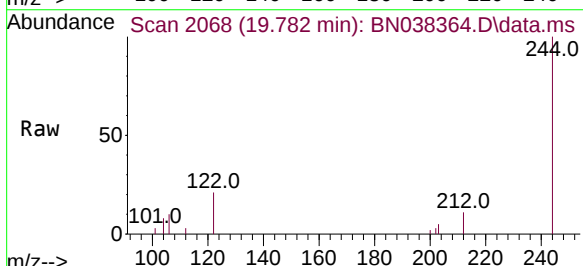
Instrument :
BNA_N
ClientSampleId :
COAM6

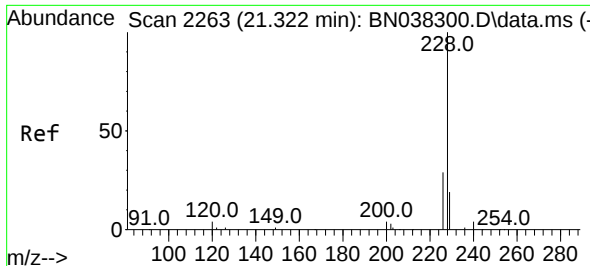
Tgt Ion:202 Resp: 9279
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 21.6 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.182 ng
RT: 19.782 min Scan# 2068
Delta R.T. -0.009 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion:244 Resp: 4177
Ion Ratio Lower Upper
244 100
212 10.9 7.9 11.9
122 21.4 15.0 22.6

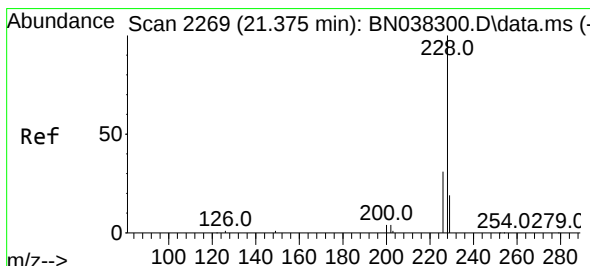
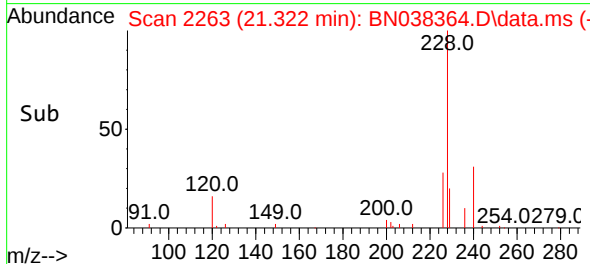
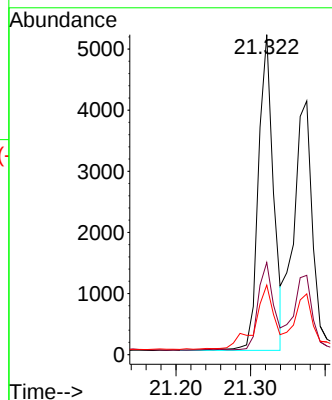
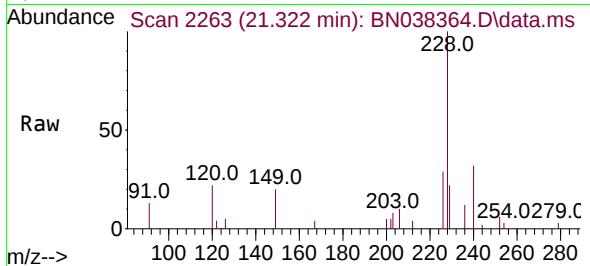




#32
Benzo(a)anthracene
Concen: 0.182 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

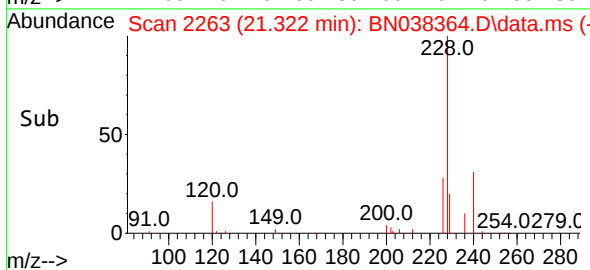
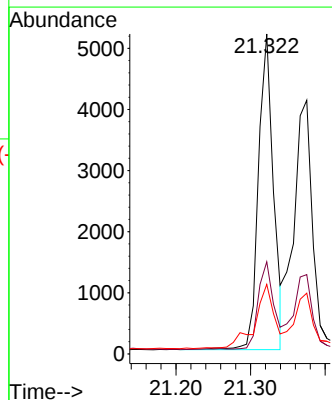
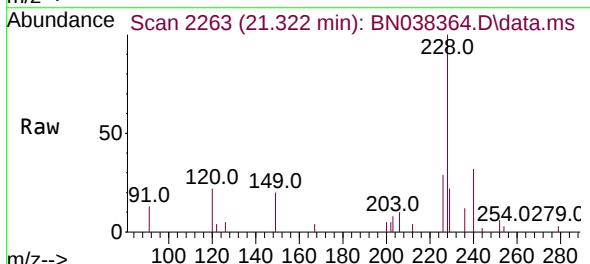
Instrument :
BNA_N
ClientSampleId :
COAM6

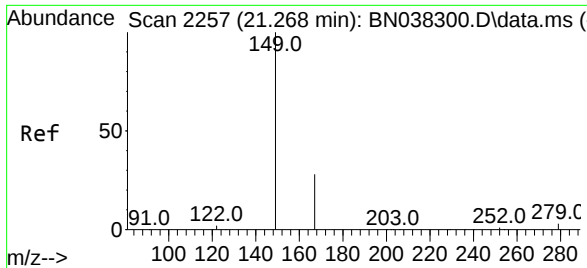
Tgt Ion:228 Resp: 7219
Ion Ratio Lower Upper
228 100
226 28.8 23.3 34.9
229 21.7 15.7 23.5



#33
Chrysene
Concen: 0.165 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.054 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion:228 Resp: 7219
Ion Ratio Lower Upper
228 100
226 28.8 25.0 37.4
229 21.7 15.5 23.3

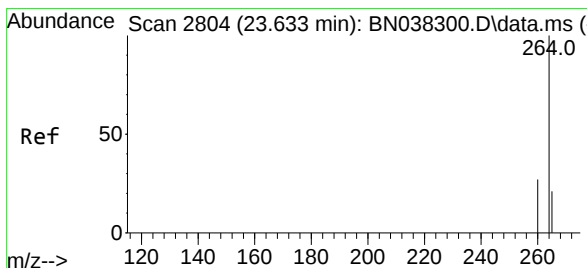
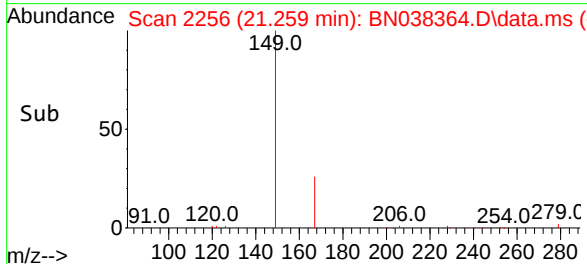
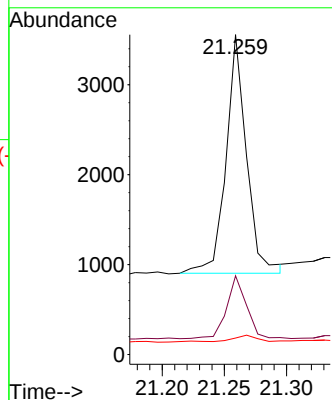
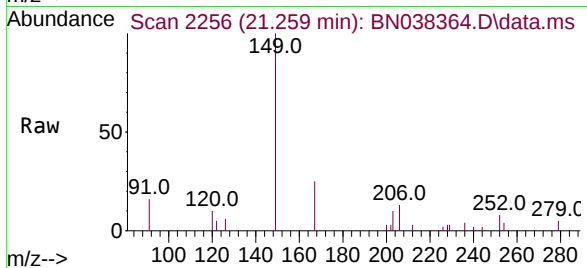




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.139 ng
RT: 21.259 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

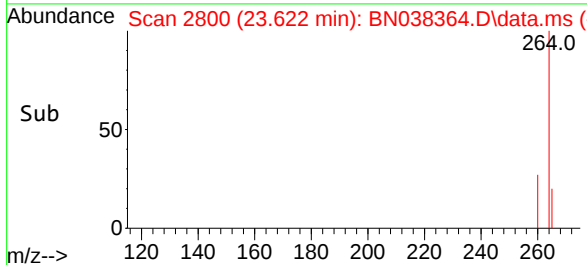
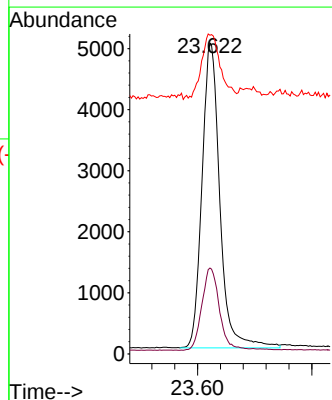
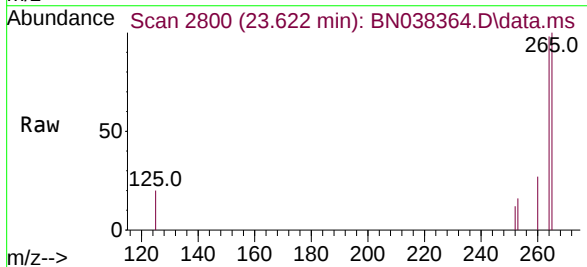
Instrument :
BNA_N
ClientSampleId :
COAM6

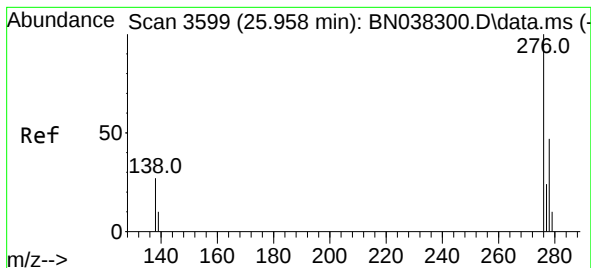
Tgt Ion:149 Resp: 3032
Ion Ratio Lower Upper
149 100
167 25.5 21.4 32.0
279 3.0 2.4 3.6



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion:264 Resp: 10823
Ion Ratio Lower Upper
264 100
260 27.6 22.2 33.2
265 102.5 80.2 120.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.073 ng

RT: 25.946 min Scan# 3595

Delta R.T. -0.018 min

Lab File: BN038364.D

Acq: 13 Dec 2025 00:00

Instrument :

BNA_N

ClientSampleId :

COAM6

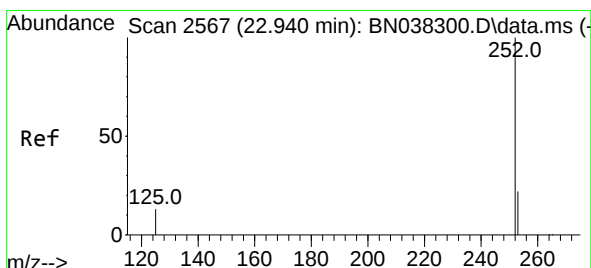
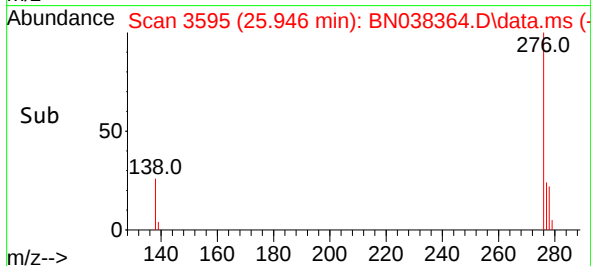
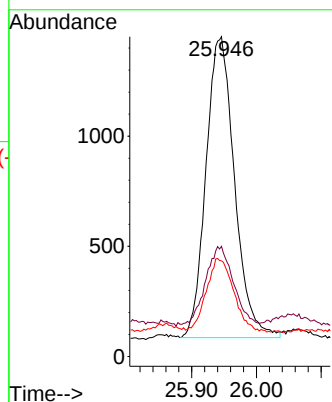
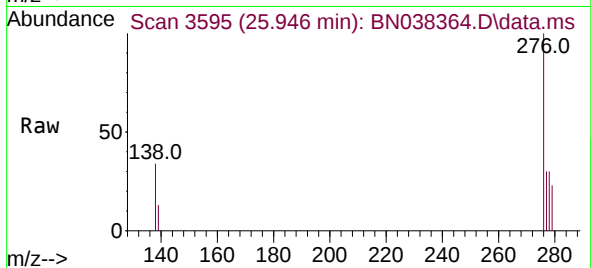
Tgt Ion:276 Resp: 4186

Ion Ratio Lower Upper

276 100

138 24.9 23.6 35.4

277 22.6 19.7 29.5



#37

Benzo(b)fluoranthene

Concen: 0.200 ng

RT: 22.934 min Scan# 2565

Delta R.T. -0.012 min

Lab File: BN038364.D

Acq: 13 Dec 2025 00:00

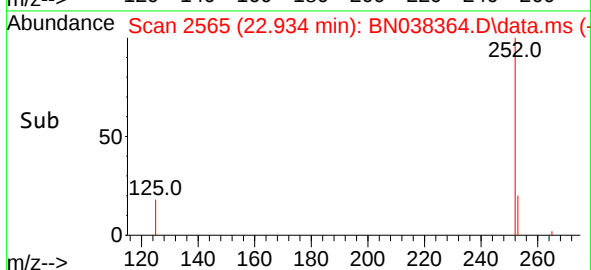
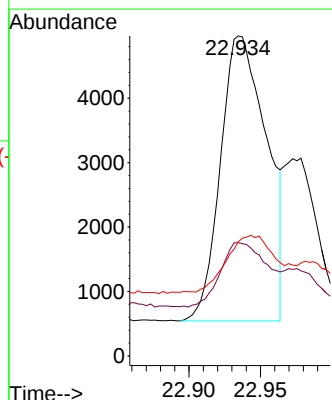
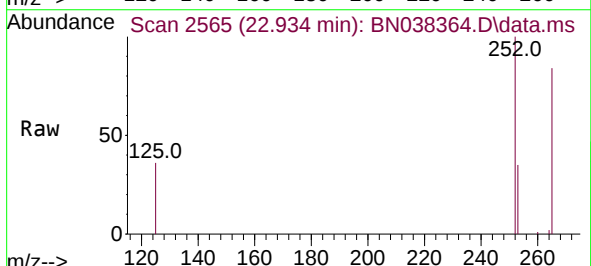
Tgt Ion:252 Resp: 9964

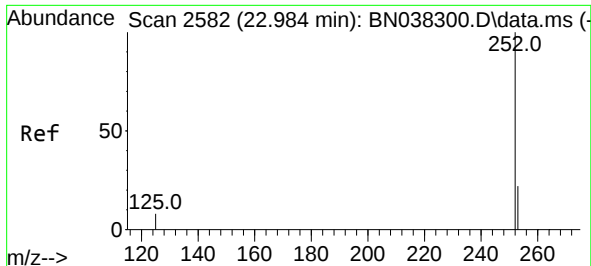
Ion Ratio Lower Upper

252 100

253 35.4 21.1 31.7#

125 35.7 16.4 24.6#

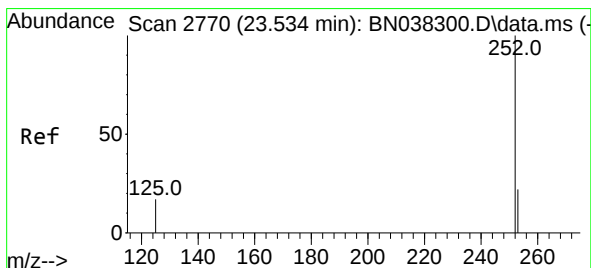
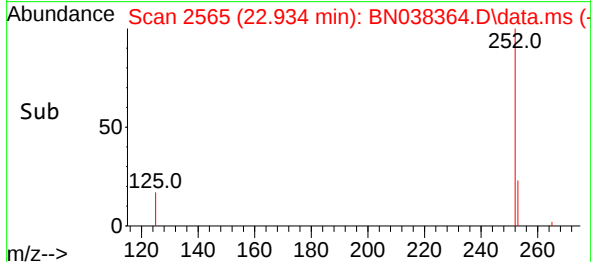
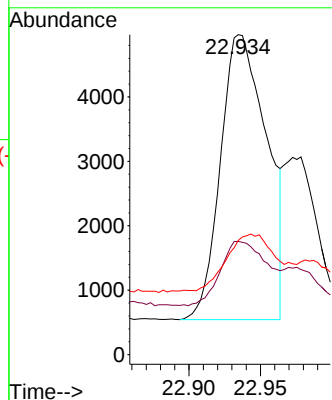
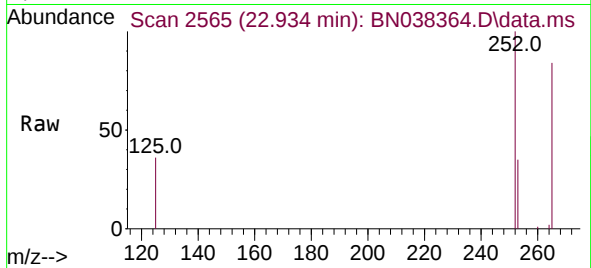




#38
Benzo(k)fluoranthene
Concen: 0.201 ng
RT: 22.934 min Scan# 21
Delta R.T. -0.056 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

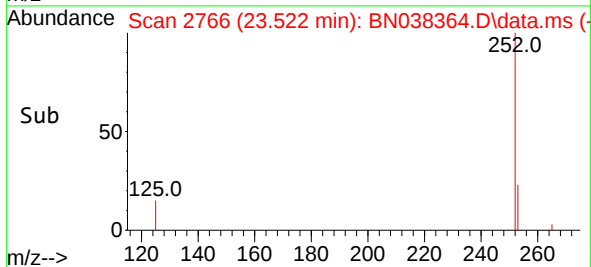
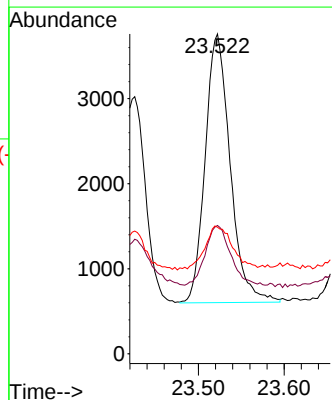
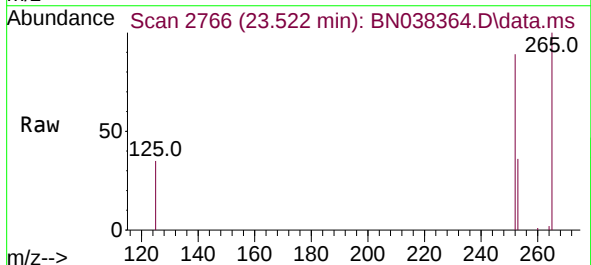
Instrument :
BNA_N
ClientSampleId :
COAM6

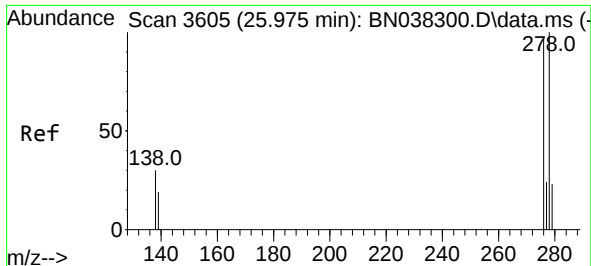
Tgt Ion:252 Resp: 9964
Ion Ratio Lower Upper
252 100
253 35.4 21.4 32.0#
125 35.7 16.2 24.2#



#39
Benzo(a)pyrene
Concen: 0.157 ng
RT: 23.522 min Scan# 2766
Delta R.T. -0.012 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion:252 Resp: 6391
Ion Ratio Lower Upper
252 100
253 40.1 23.3 34.9#
125 39.6 22.4 33.6#

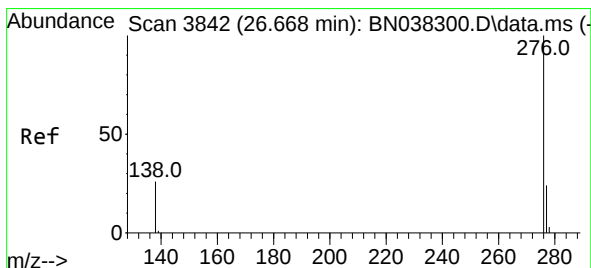
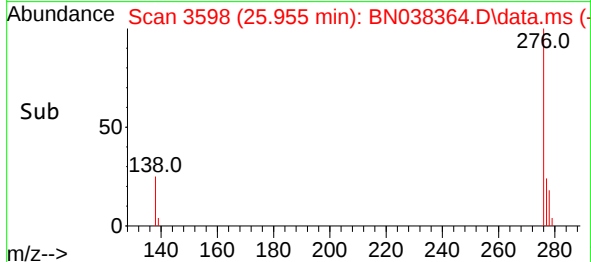
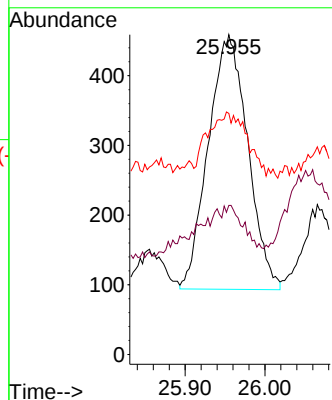
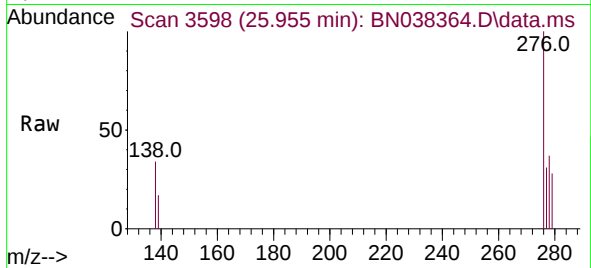




#40
Dibenzo(a,h)anthracene
Concen: 0.028 ng
RT: 25.955 min Scan# 31
Delta R.T. -0.026 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Instrument :
BNA_N
ClientSampleId :
COAM6

Tgt Ion:278 Resp: 1255
Ion Ratio Lower Upper
278 100
139 46.6 17.8 26.8#
279 75.4 21.3 31.9#



#41
Benzo(g,h,i)perylene
Concen: 0.082 ng
RT: 26.653 min Scan# 3837
Delta R.T. -0.023 min
Lab File: BN038364.D
Acq: 13 Dec 2025 00:00

Tgt Ion:276 Resp: 4063
Ion Ratio Lower Upper
276 100
277 30.4 20.0 30.0#
138 34.3 21.8 32.6#

