

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038408.D
 Acq On : 15 Dec 2025 17:09
 Operator : RC/JU
 Sample : Q3839-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN7

Quant Time: Dec 15 23:54:57 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)

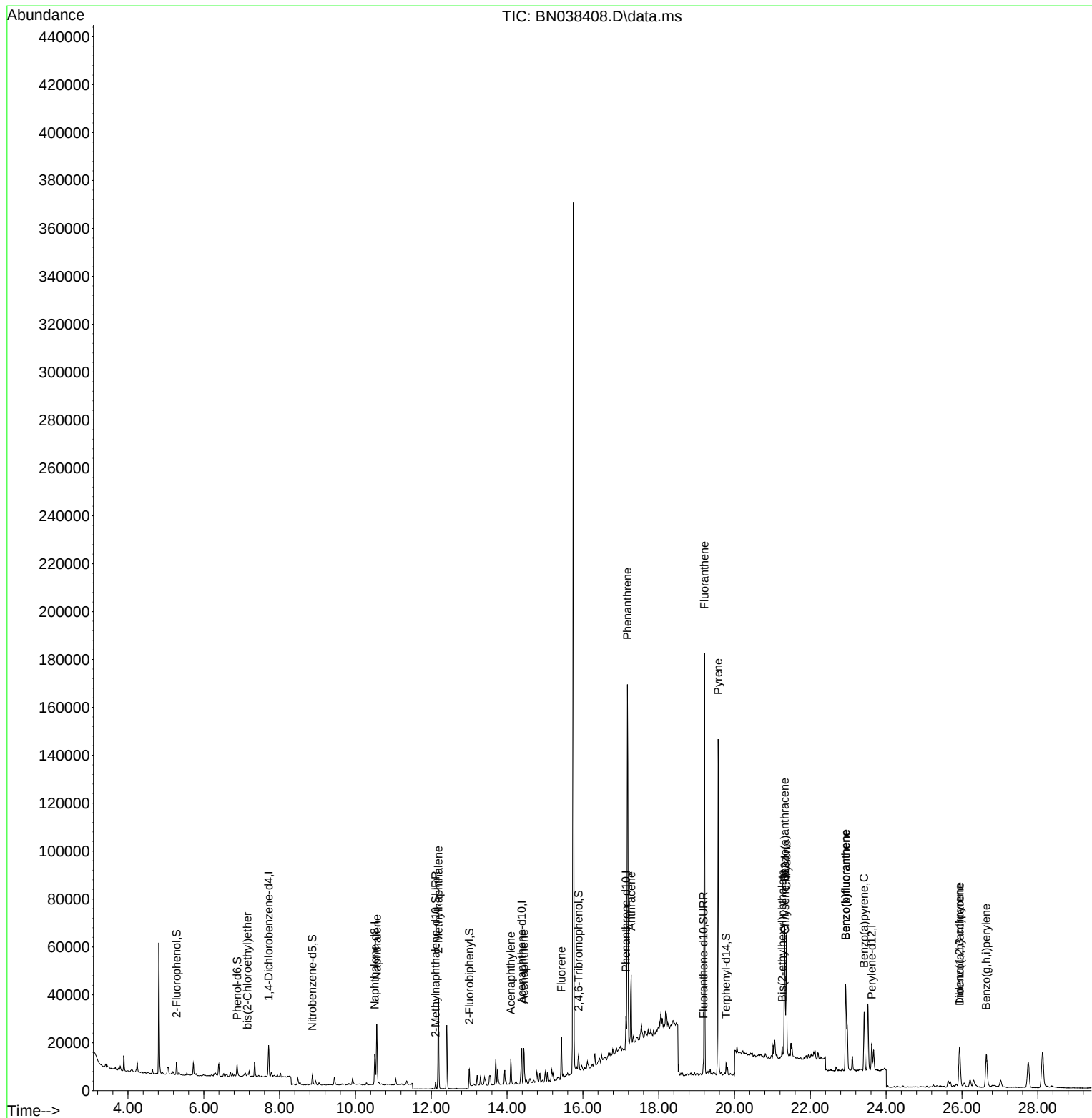
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	5938	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	16261	0.400	ng	#-0.02
13) Acenaphthene-d10	14.388	164	8787	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	16515	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	13627	0.400	ng	# 0.00
35) Perylene-d12	23.619	264	15049	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3973	0.269	ng	0.00
5) Phenol-d6	6.880	99	4311	0.245	ng	0.00
8) Nitrobenzene-d5	8.865	82	3145	0.229	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	3884	0.169	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	909	0.233	ng	-0.01
15) 2-Fluorobiphenyl	13.004	172	9315	0.220	ng	0.00
27) Fluoranthene-d10	19.178	212	4491	0.110	ng	0.00
31) Terphenyl-d14	19.778	244	4423	0.145	ng	-0.01
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.154	93	951	0.055	ng	# 25
9) Naphthalene	10.562	128	31576	0.657	ng	100
12) 2-Methylnaphthalene	12.187	142	27152	0.890	ng	100
16) Acenaphthylene	14.099	152	5479	0.127	ng	# 86
17) Acenaphthene	14.441	154	7085	0.236	ng	96
18) Fluorene	15.435	166	7767	0.201	ng	# 92
25) Phenanthrene	17.173	178	166252	2.892	ng	98
26) Anthracene	17.273	178	34836	0.703	ng	96
28) Fluoranthene	19.206	202	152354	2.494	ng	99
30) Pyrene	19.569	202	120522	1.797	ng	97
32) Benzo(a)anthracene	21.322	228	47499	0.902	ng	98
33) Chrysene	21.367	228	48357	0.834	ng	97
34) Bis(2-ethylhexyl)phtha...	21.259	149	3918	0.136	ng	# 92
36) Indeno(1,2,3-cd)pyrene	25.934	276	26852	0.336	ng	94
37) Benzo(b)fluoranthene	22.932	252	61760	0.894	ng	98
38) Benzo(k)fluoranthene	22.932	252	61760	0.896	ng	98
39) Benzo(a)pyrene	23.420	252	32223	0.570	ng	97
40) Dibenzo(a,h)anthracene	25.943	278	7068	0.115	ng	# 73
41) Benzo(g,h,i)perylene	26.639	276	30092	0.437	ng	100

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

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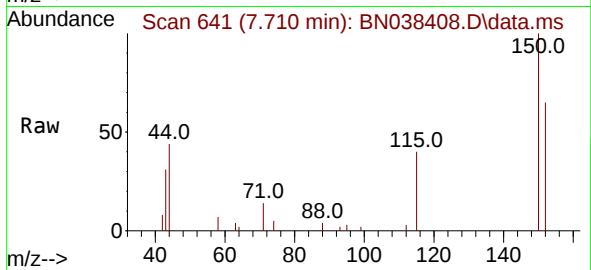
Quant Time: Dec 15 23:54:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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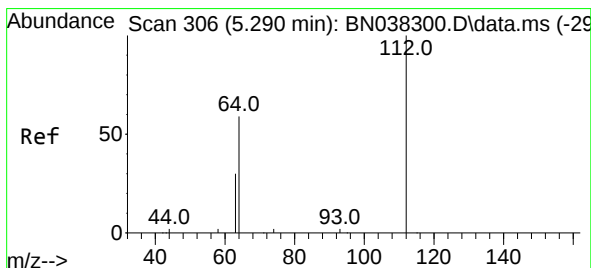
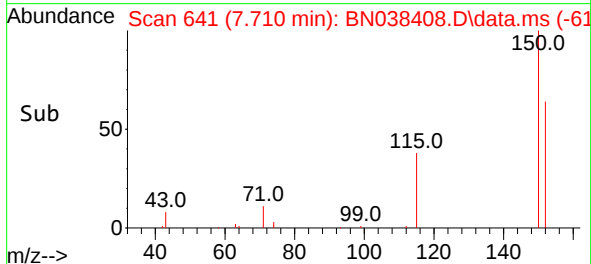
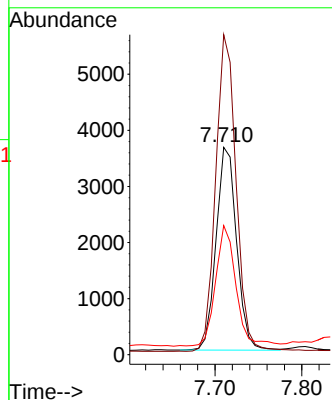
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 641
 Delta R.T. -0.014 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

Instrument :
 BNA_N
 ClientSampleId :
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Tgt Ion:152 Resp: 5938

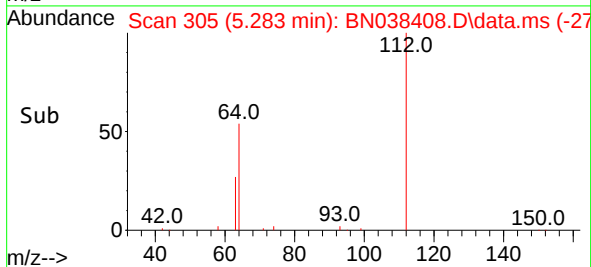
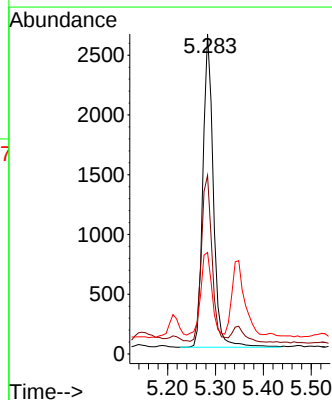
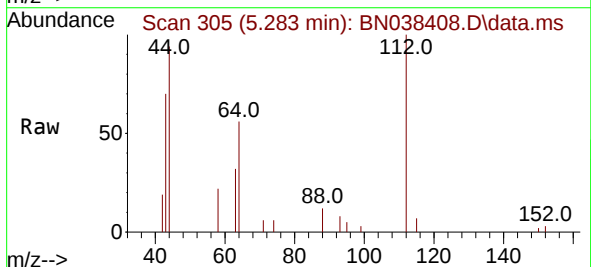
Ion	Ratio	Lower	Upper
152	100		
150	154.3	122.4	183.6
115	62.2	47.3	70.9

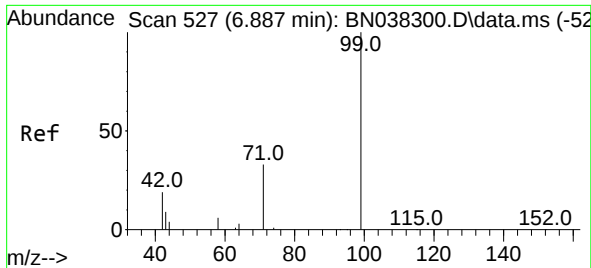


#4
 2-Fluorophenol
 Concen: 0.269 ng
 RT: 5.283 min Scan# 305
 Delta R.T. -0.007 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

Tgt Ion:112 Resp: 3973

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.4	66.6
63	28.7	23.4	35.0

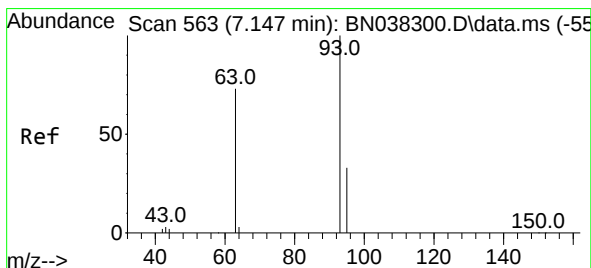
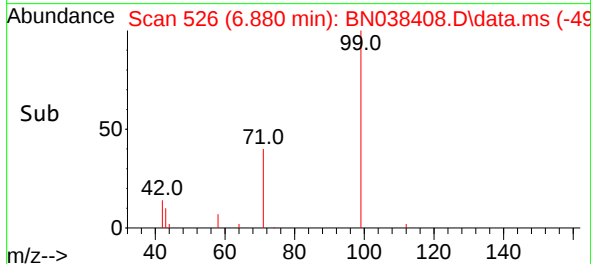
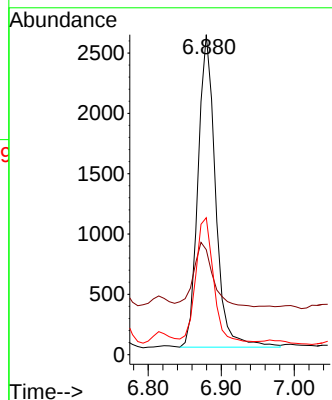
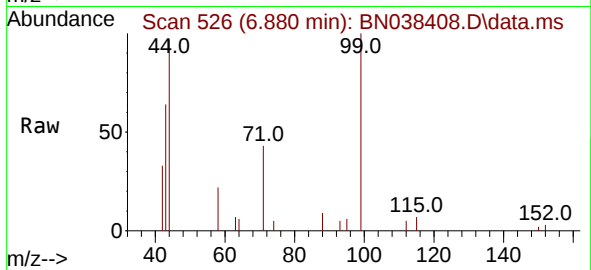




#5
Phenol-d6
Concen: 0.245 ng
RT: 6.880 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

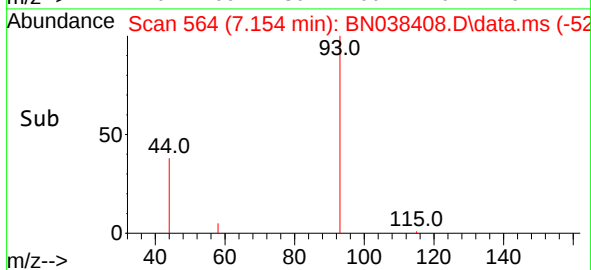
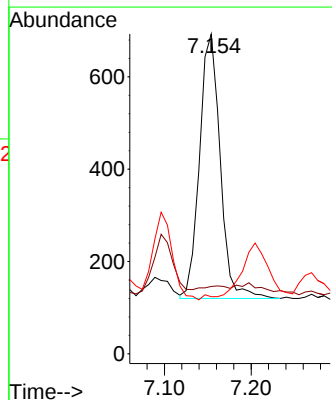
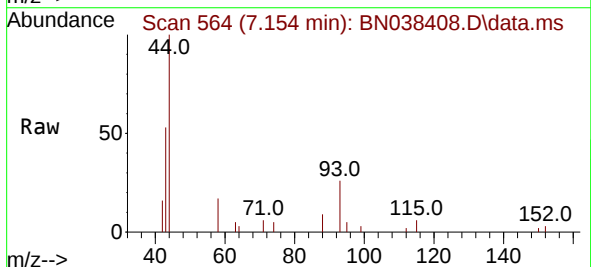
Instrument :
BNA_N
ClientSampleId :
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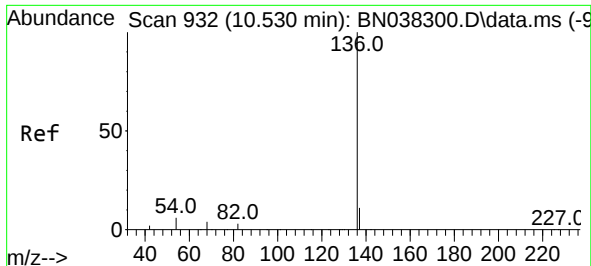
Tgt Ion: 99 Resp: 4311
Ion Ratio Lower Upper
99 100
42 22.6 16.5 24.7
71 41.6 24.9 37.3#



#6
bis(2-Chloroethyl)ether
Concen: 0.055 ng
RT: 7.154 min Scan# 564
Delta R.T. 0.007 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Tgt Ion: 93 Resp: 951
Ion Ratio Lower Upper
93 100
63 4.2 59.2 88.8#
95 0.0 25.2 37.8#

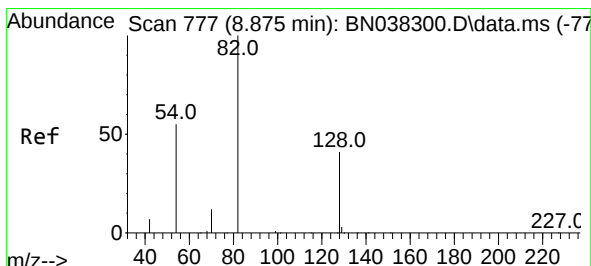
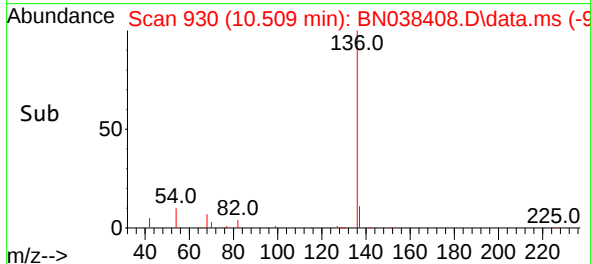
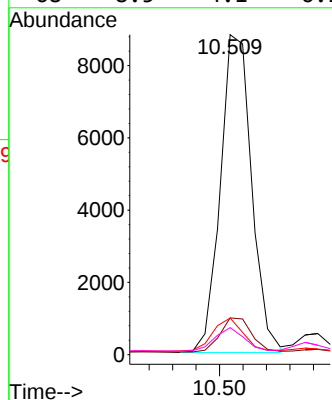
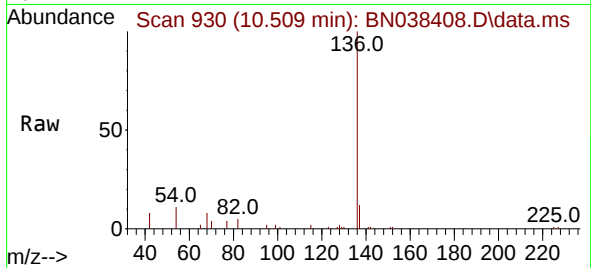




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

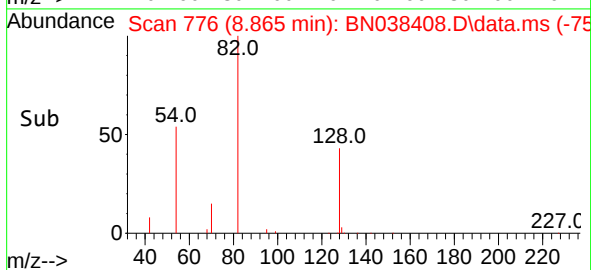
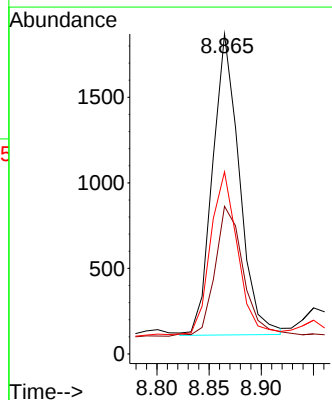
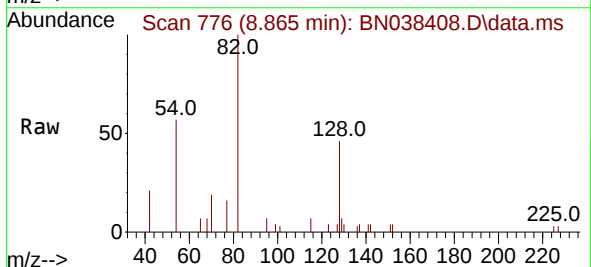
Instrument :
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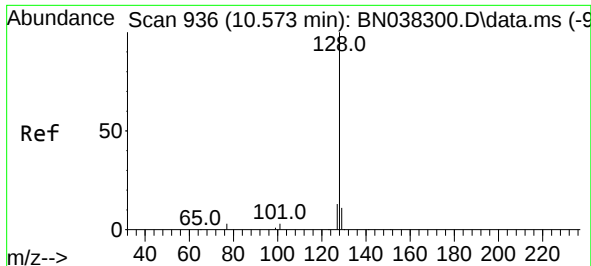
Tgt Ion:136 Resp: 16261
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 11.5 5.2 7.8#
68 8.5 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.229 ng
RT: 8.865 min Scan# 776
Delta R.T. -0.011 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Tgt Ion: 82 Resp: 3145
Ion Ratio Lower Upper
82 100
128 46.1 34.0 51.0
54 56.9 44.4 66.6

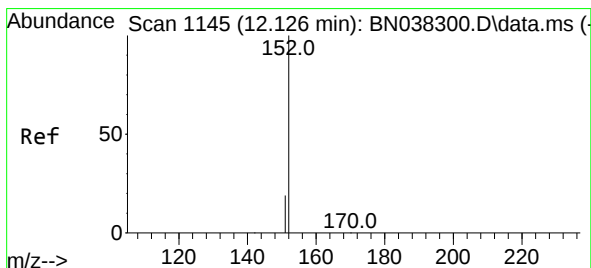
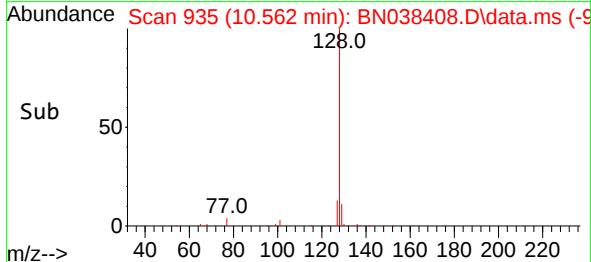
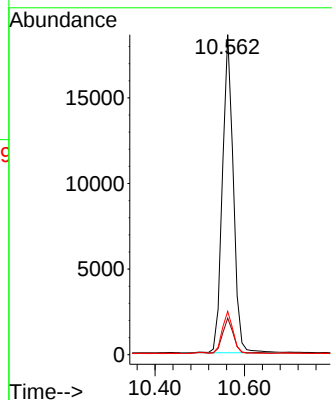
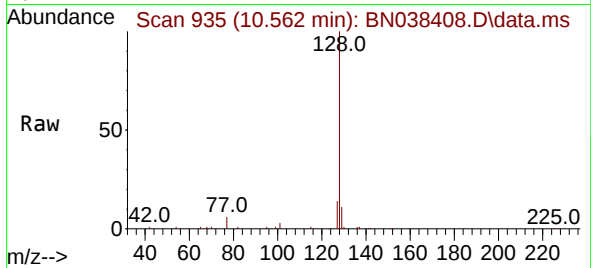




#9
Naphthalene
Concen: 0.657 ng
RT: 10.562 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

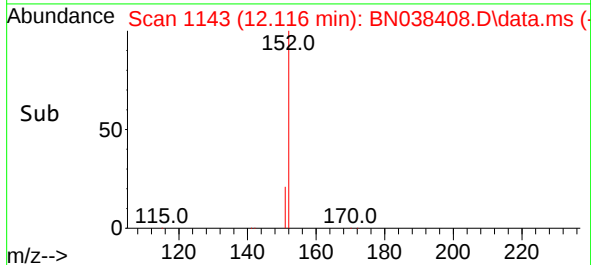
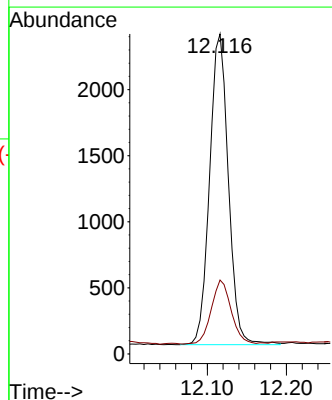
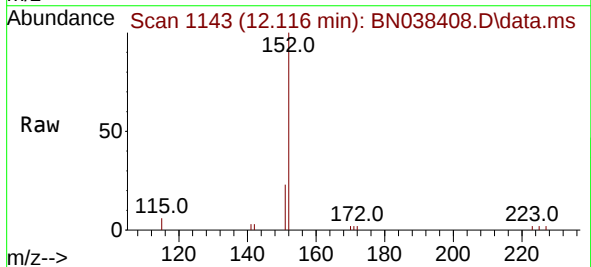
Instrument :
BNA_N
ClientSampleId :
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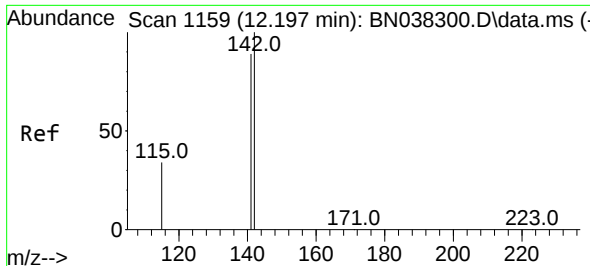
Tgt Ion:128 Resp: 31576
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.5 10.9 16.3



#11
2-Methylnaphthalene-d10
Concen: 0.169 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Tgt Ion:152 Resp: 3884
Ion Ratio Lower Upper
152 100
151 21.9 17.0 25.6

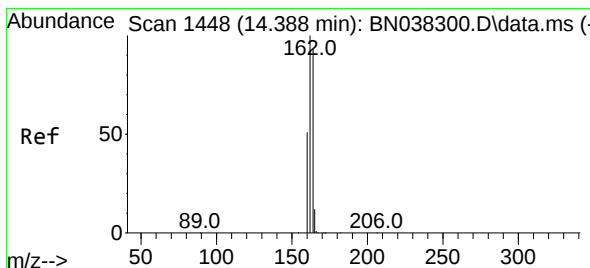
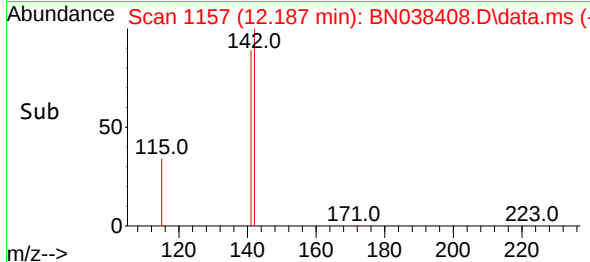
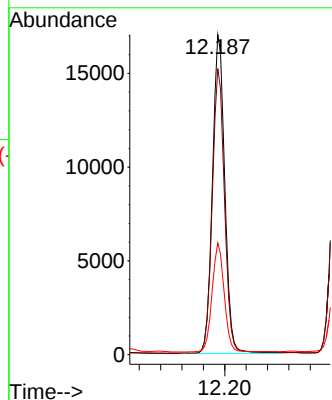
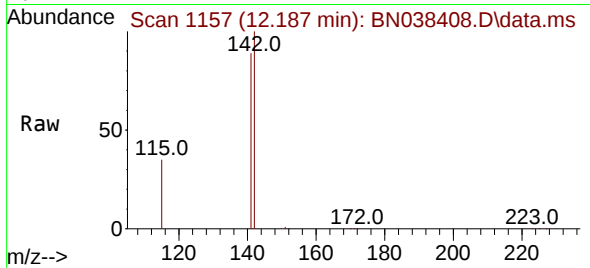




#12
2-Methylnaphthalene
Concen: 0.890 ng
RT: 12.187 min Scan# 1159
Delta R.T. -0.015 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

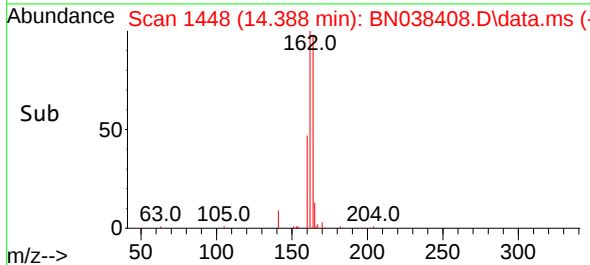
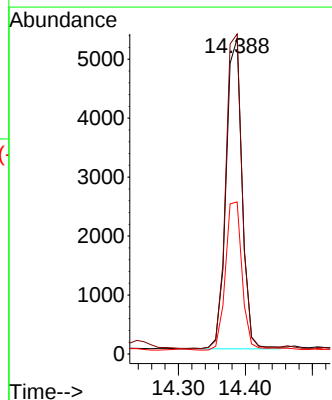
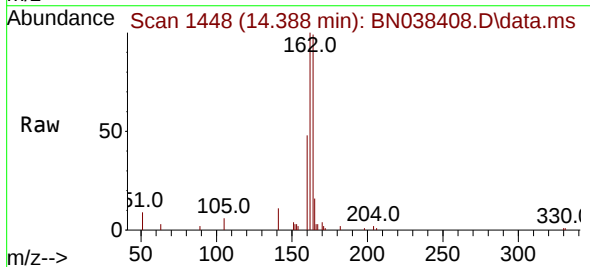
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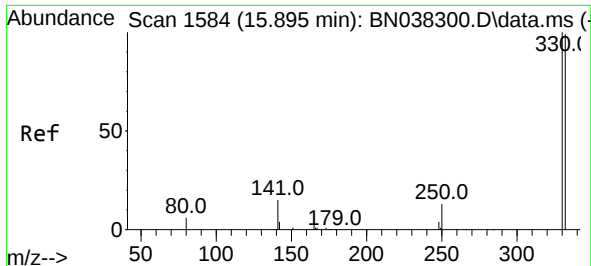
Tgt Ion:142 Resp: 27152
Ion Ratio Lower Upper
142 100
141 89.4 71.4 107.2
115 34.9 28.4 42.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Tgt Ion:164 Resp: 8787
Ion Ratio Lower Upper
164 100
162 101.4 86.2 129.4
160 48.2 44.6 67.0

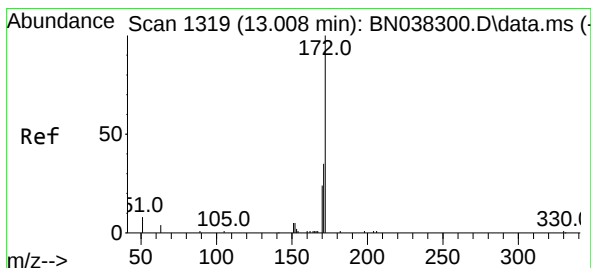
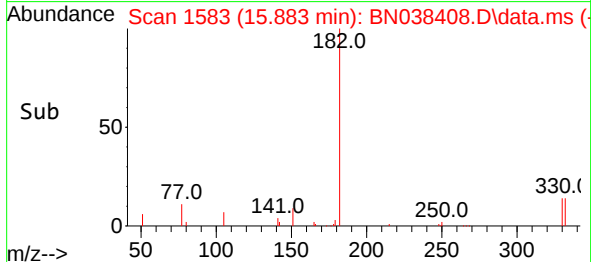
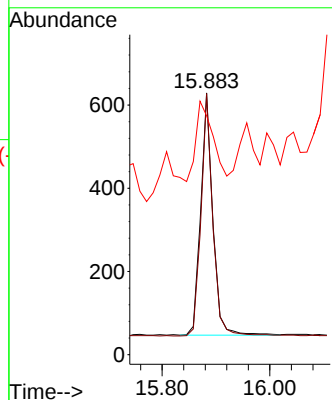
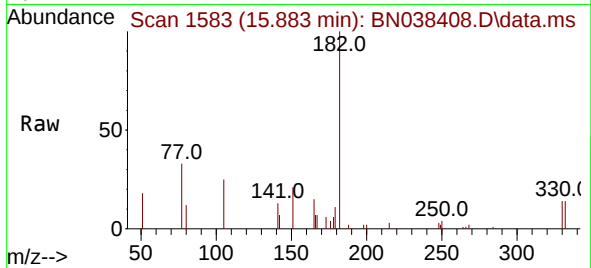




#14
2,4,6-Tribromophenol
Concen: 0.233 ng
RT: 15.883 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

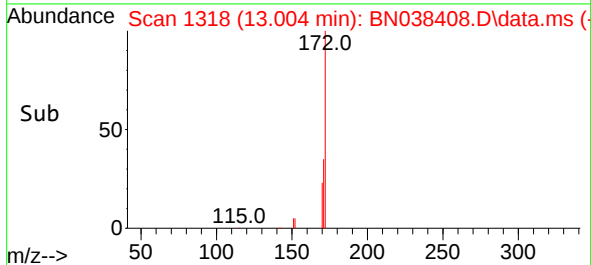
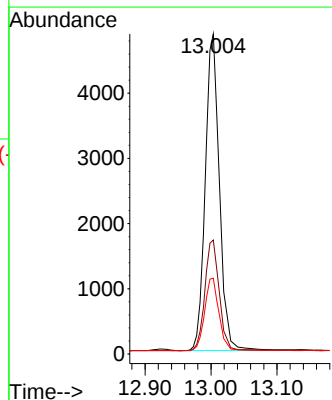
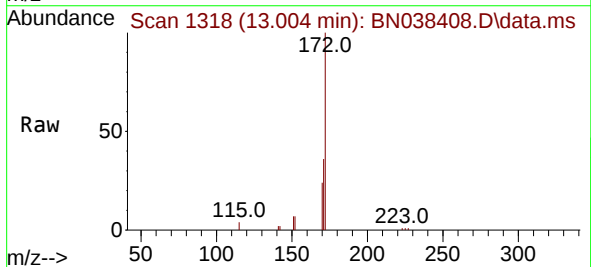
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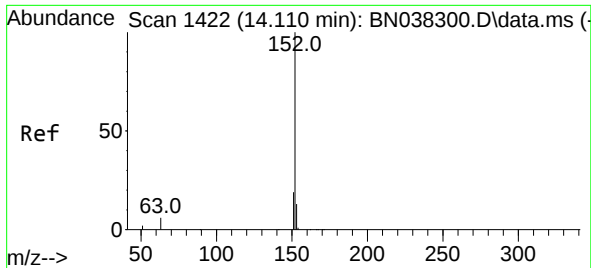
Tgt Ion:330 Resp: 909
Ion Ratio Lower Upper
330 100
332 97.1 75.8 113.6
141 48.6 31.8 47.8#



#15
2-Fluorobiphenyl
Concen: 0.220 ng
RT: 13.004 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Tgt Ion:172 Resp: 9315
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 23.7 19.3 28.9

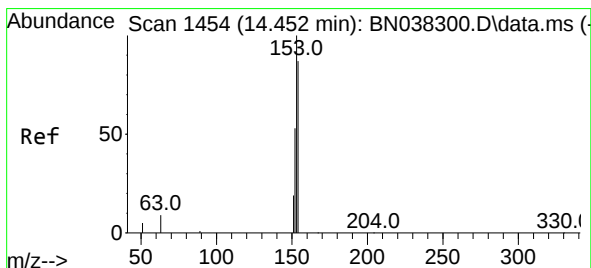
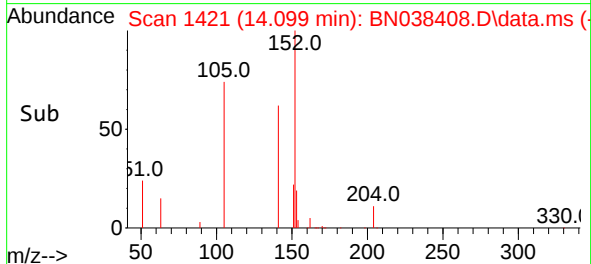
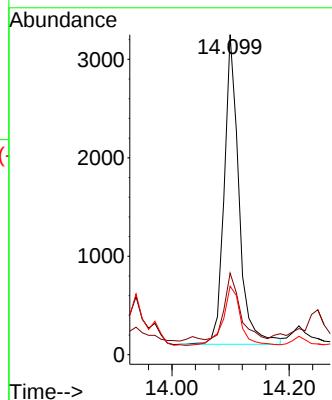
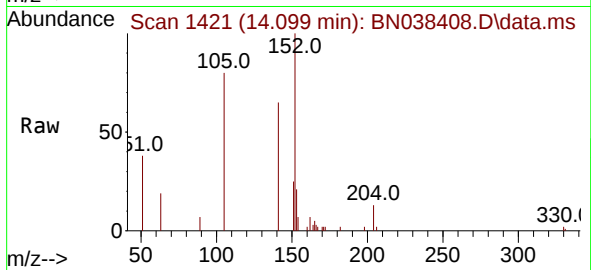




#16
Acenaphthylene
Concen: 0.127 ng
RT: 14.099 min Scan# 1421
Delta R.T. -0.011 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

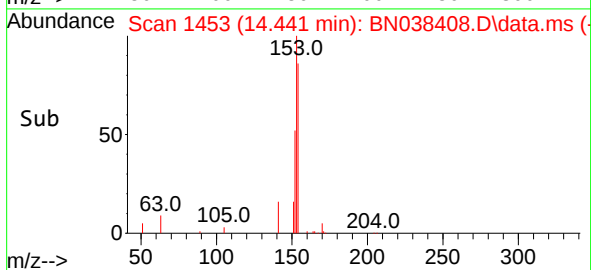
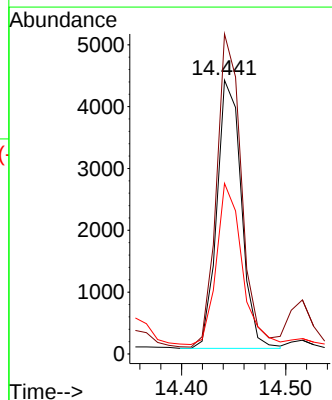
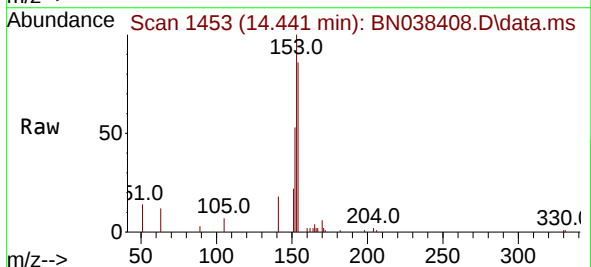
Instrument :
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ClientSampleId :
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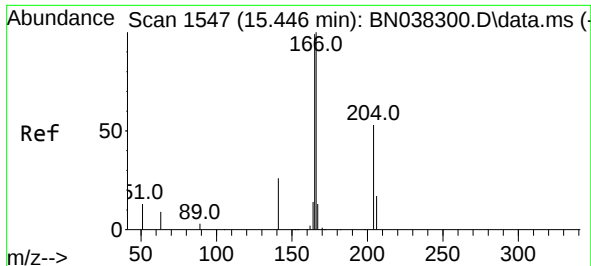
Tgt Ion:152 Resp: 5479
Ion Ratio Lower Upper
152 100
151 22.3 15.4 23.2
153 23.1 10.2 15.4#



#17
Acenaphthene
Concen: 0.236 ng
RT: 14.441 min Scan# 1453
Delta R.T. -0.021 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Tgt Ion:154 Resp: 7085
Ion Ratio Lower Upper
154 100
153 117.5 89.8 134.8
152 62.1 47.5 71.3

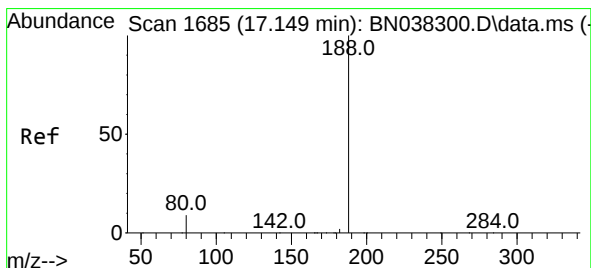
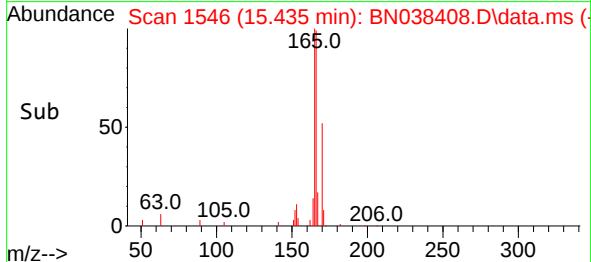
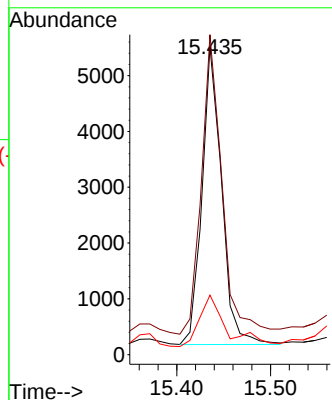
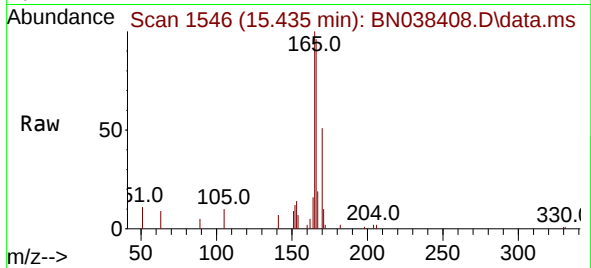




#18
Fluorene
Concen: 0.201 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

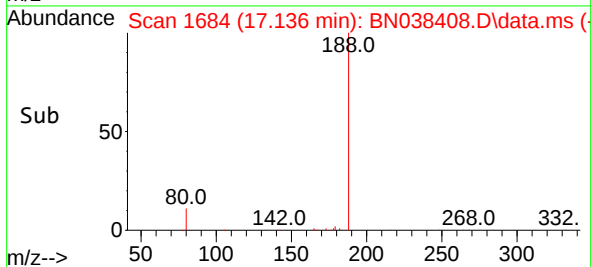
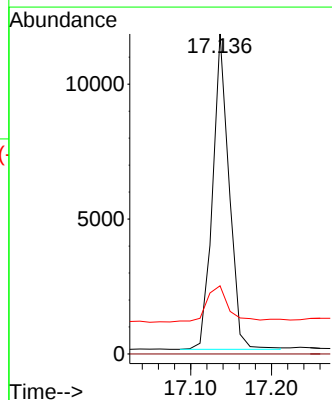
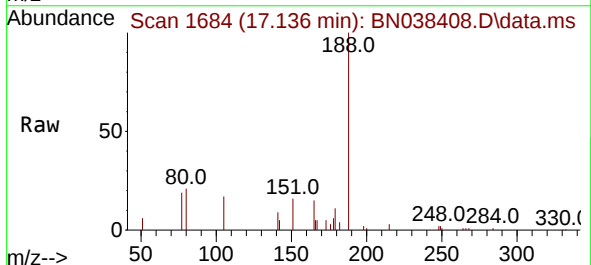
Instrument :
BNA_N
ClientSampleId :
COAN7

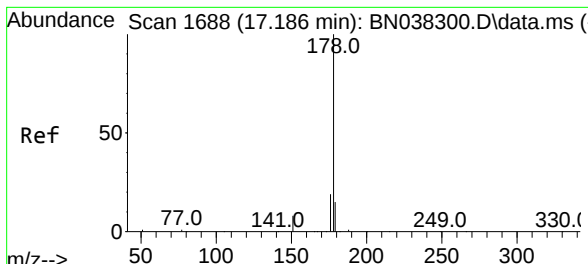
Tgt Ion:166 Resp: 7767
Ion Ratio Lower Upper
166 100
165 105.4 80.2 120.4
167 24.1 10.6 16.0#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Tgt Ion:188 Resp: 16515
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 21.3 7.4 11.0#



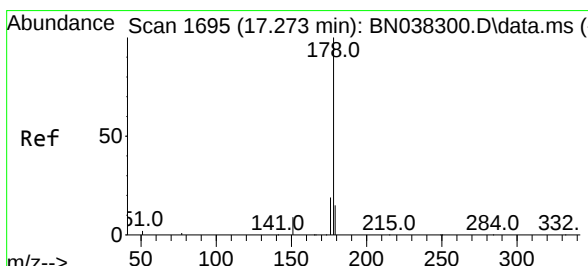
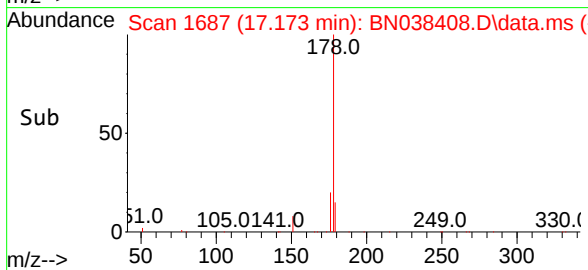
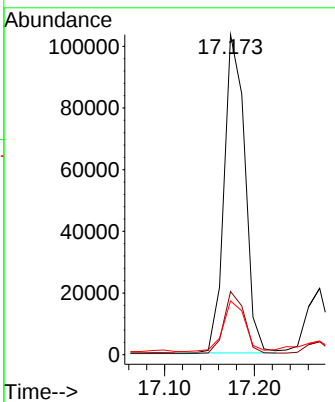
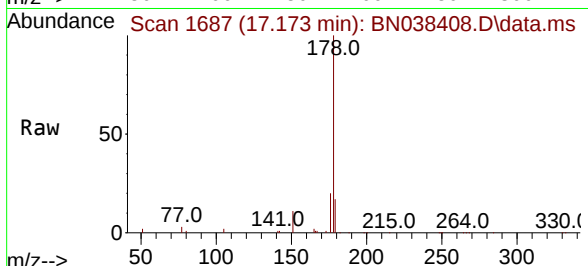


#25
 Phenanthrene
 Concen: 2.892 ng
 RT: 17.173 min Scan# 1687
 Delta R.T. -0.012 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

Instrument :
 BNA_N
 ClientSampleId :
 COAN7

Tgt Ion:178 Resp: 166252

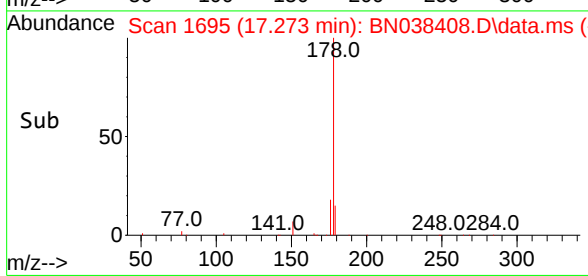
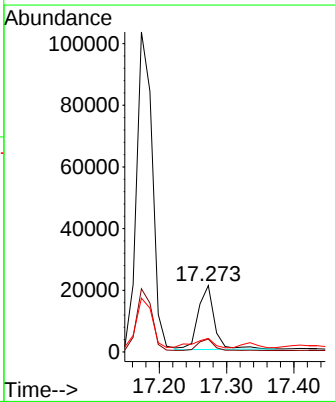
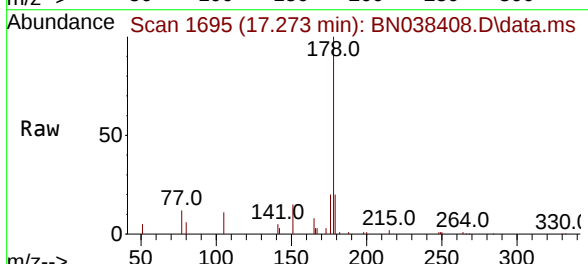
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	16.6	12.2	18.2

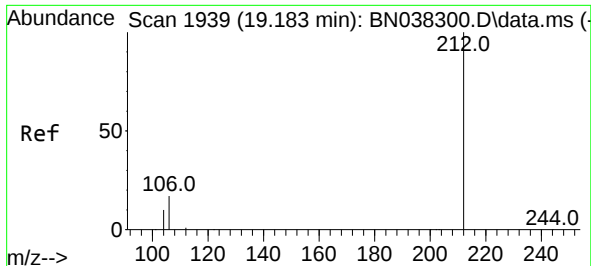


#26
 Anthracene
 Concen: 0.703 ng
 RT: 17.273 min Scan# 1695
 Delta R.T. -0.012 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

Tgt Ion:178 Resp: 34836

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.1	22.7
179	17.9	12.0	18.0

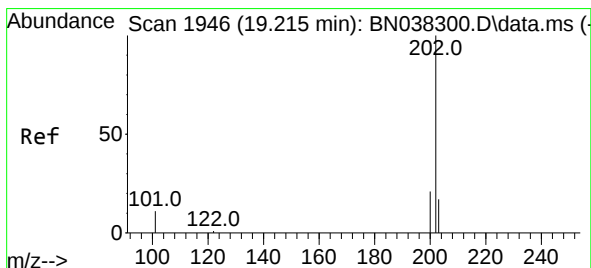
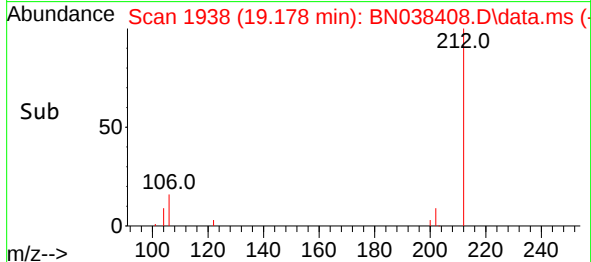
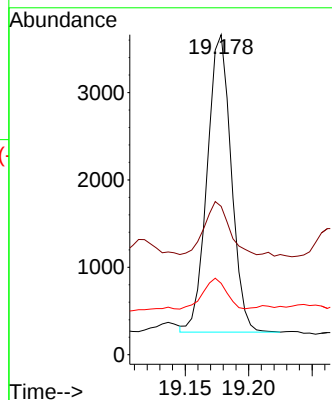
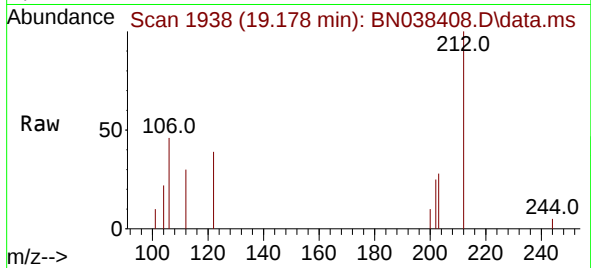




#27
Fluoranthene-d10
Concen: 0.110 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

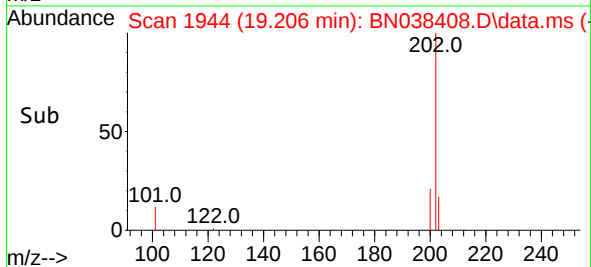
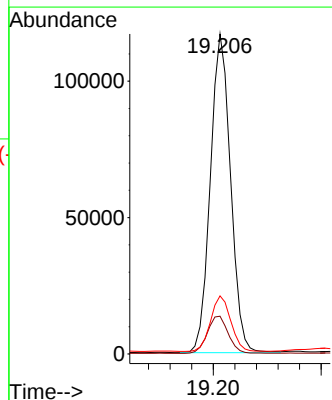
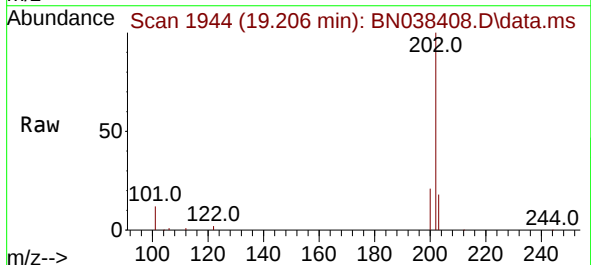
Instrument :
BNA_N
ClientSampleId :
C0AN7

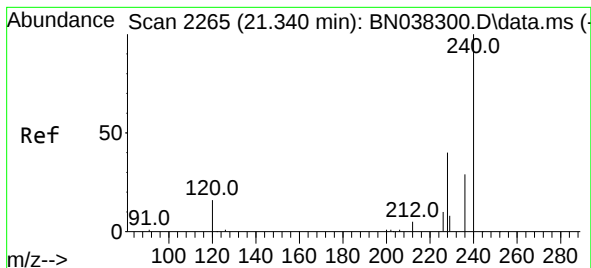
Tgt Ion:212 Resp: 4491
Ion Ratio Lower Upper
212 100
106 20.7 13.7 20.5#
104 10.6 7.8 11.8



#28
Fluoranthene
Concen: 2.494 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Tgt Ion:202 Resp: 152354
Ion Ratio Lower Upper
202 100
101 12.1 9.6 14.4
203 17.4 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: BN038408.D

Acq: 15 Dec 2025 17:09

Instrument :

BNA_N

ClientSampleId :

C0AN7

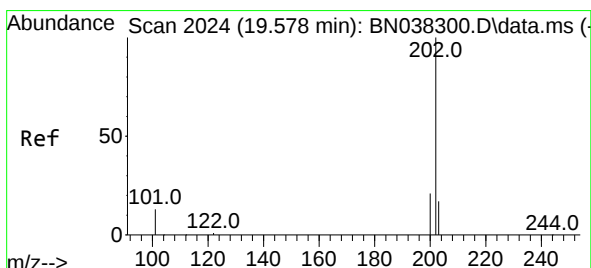
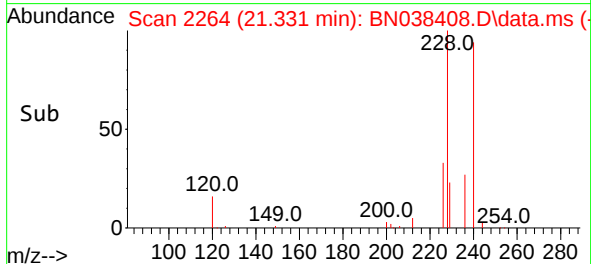
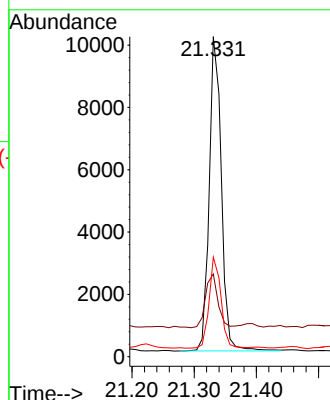
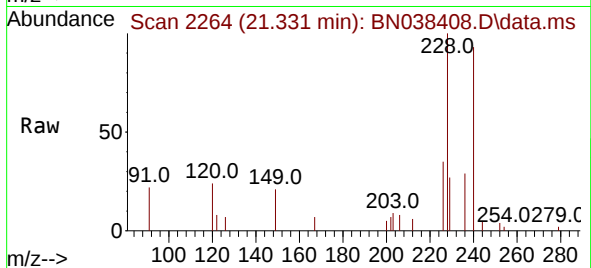
Tgt Ion:240 Resp: 13627

Ion Ratio Lower Upper

240 100

120 25.9 15.4 23.2#

236 31.1 23.9 35.9



#30

Pyrene

Concen: 1.797 ng

RT: 19.569 min Scan# 2022

Delta R.T. -0.014 min

Lab File: BN038408.D

Acq: 15 Dec 2025 17:09

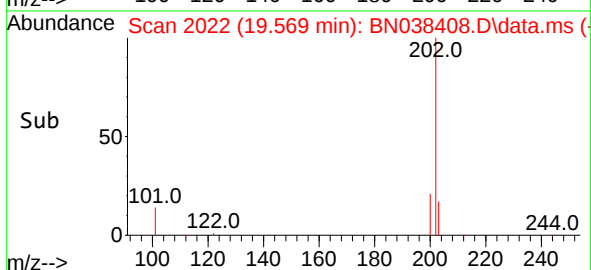
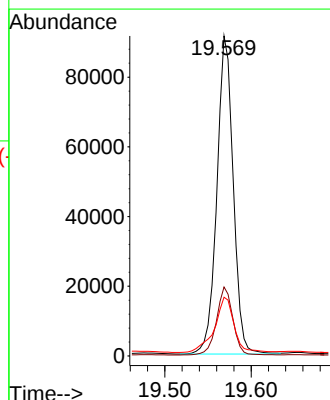
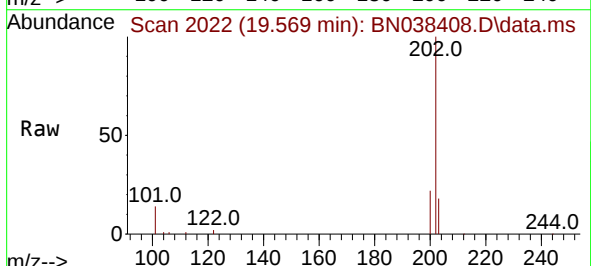
Tgt Ion:202 Resp: 120522

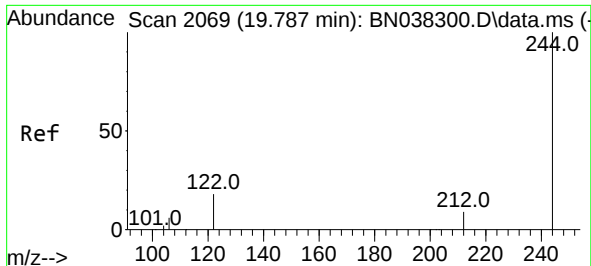
Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

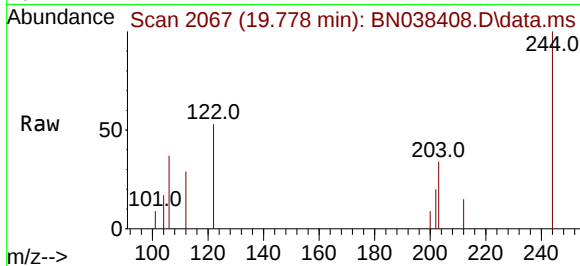
203 20.8 14.2 21.2



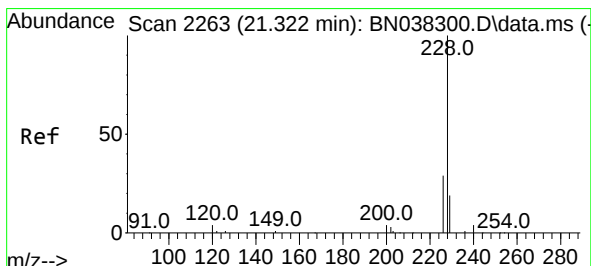
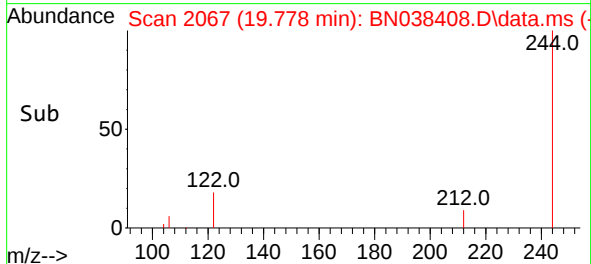
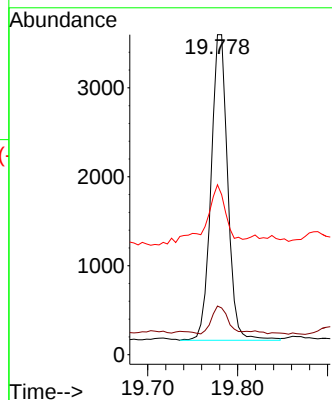


#31
 Terphenyl-d14
 Concen: 0.145 ng
 RT: 19.778 min Scan# 2067
 Delta R.T. -0.014 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

Instrument :
 BNA_N
 ClientSampleId :
 COAN7

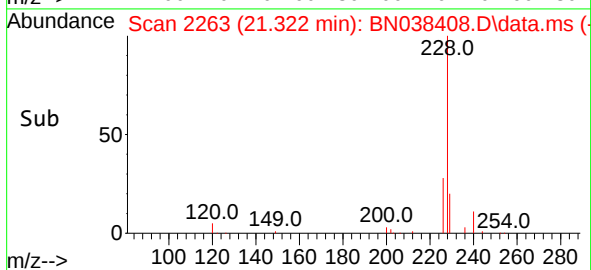
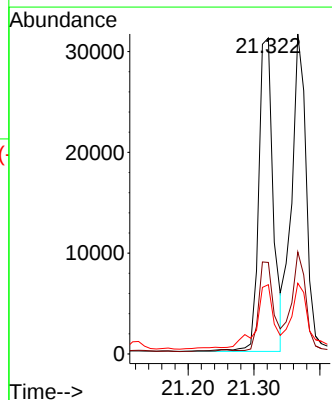
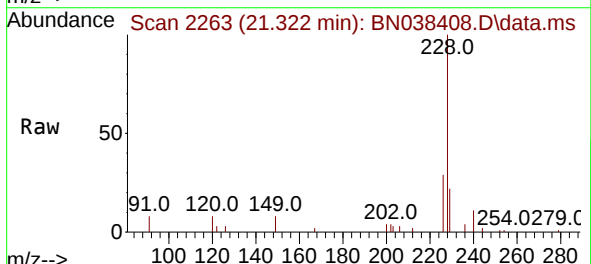


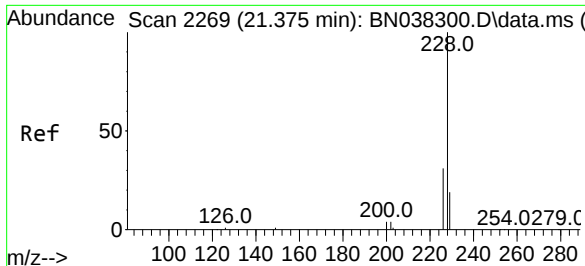
Tgt Ion:244 Resp: 4423
 Ion Ratio Lower Upper
 244 100
 212 15.2 7.9 11.9#
 122 53.1 15.0 22.6#



#32
 Benzo(a)anthracene
 Concen: 0.902 ng
 RT: 21.322 min Scan# 2263
 Delta R.T. -0.009 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

Tgt Ion:228 Resp: 47499
 Ion Ratio Lower Upper
 228 100
 226 29.0 23.3 34.9
 229 21.9 15.7 23.5





#33

Chrysene

Concen: 0.834 ng

RT: 21.367 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038408.D

Acq: 15 Dec 2025 17:09

Instrument :

BNA_N

ClientSampleId :

COAN7

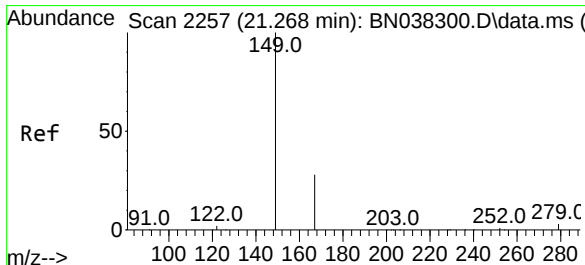
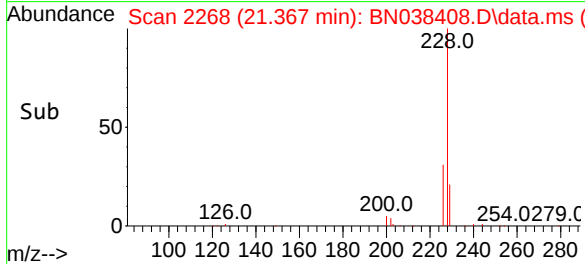
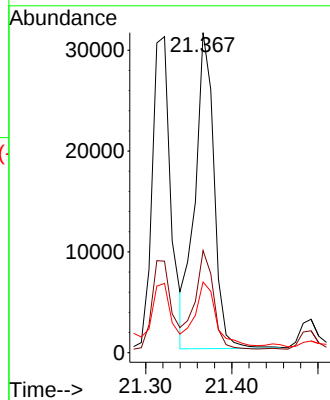
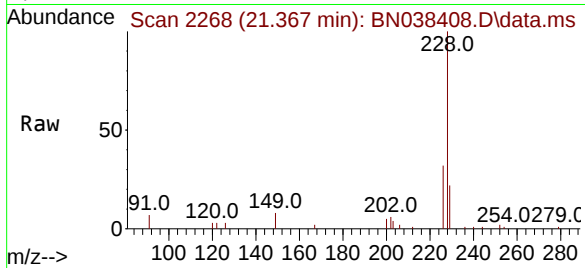
Tgt Ion:228 Resp: 48357

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.4

229 22.1 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.136 ng

RT: 21.259 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN038408.D

Acq: 15 Dec 2025 17:09

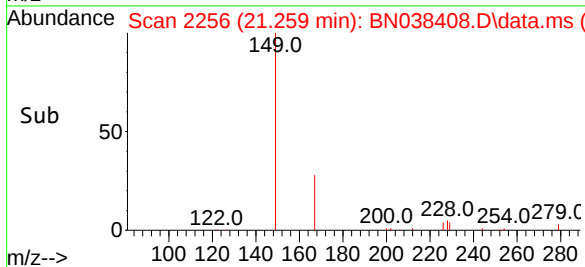
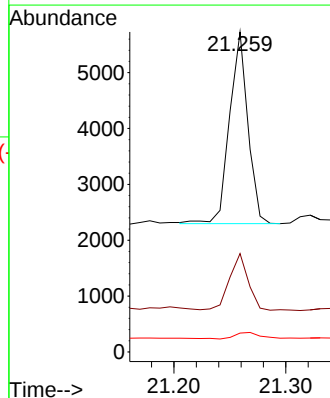
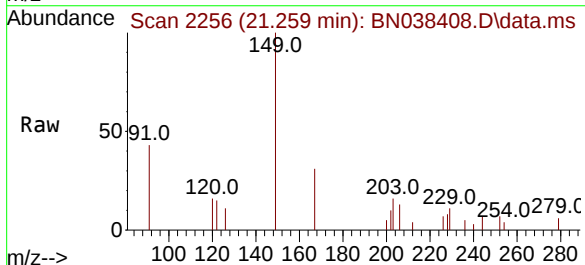
Tgt Ion:149 Resp: 3918

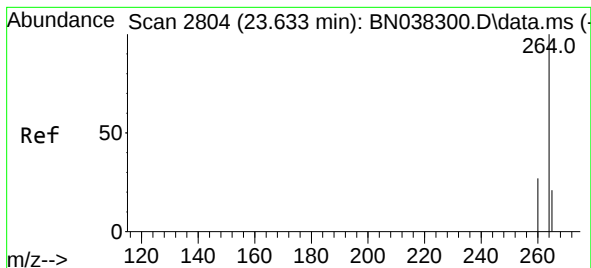
Ion Ratio Lower Upper

149 100

167 30.9 21.4 32.0

279 4.2 2.4 3.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.619 min Scan# 21

Delta R.T. -0.014 min

Lab File: BN038408.D

Acq: 15 Dec 2025 17:09

Instrument :

BNA_N

ClientSampleId :

C0AN7

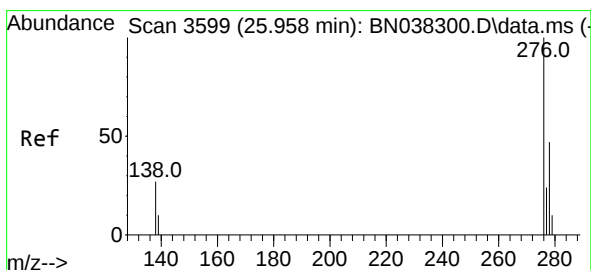
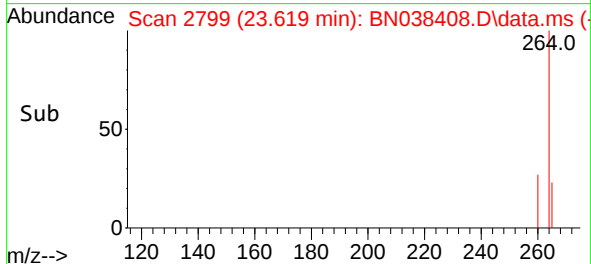
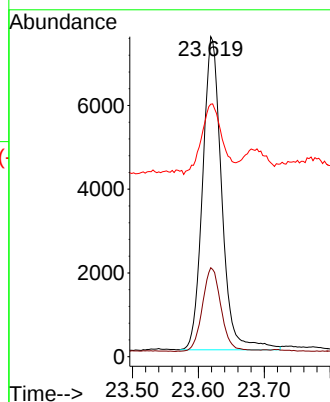
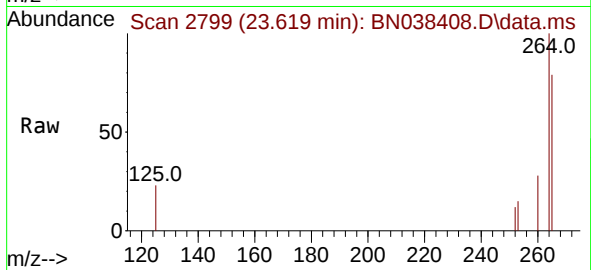
Tgt Ion:264 Resp: 15049

Ion Ratio Lower Upper

264 100

260 27.8 22.2 33.2

265 78.9 80.2 120.2#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.336 ng

RT: 25.934 min Scan# 3591

Delta R.T. -0.029 min

Lab File: BN038408.D

Acq: 15 Dec 2025 17:09

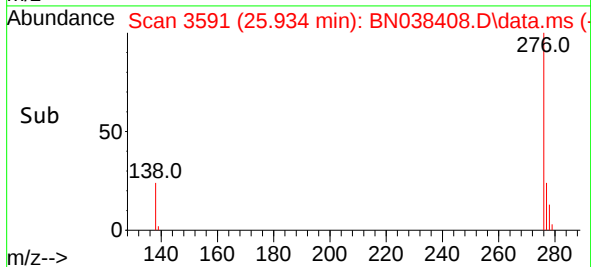
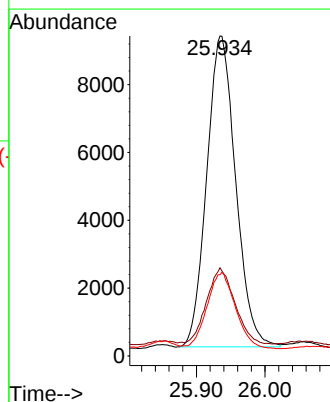
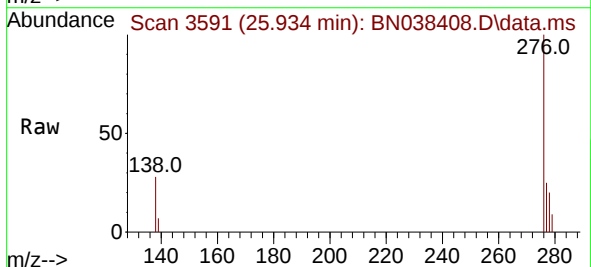
Tgt Ion:276 Resp: 26852

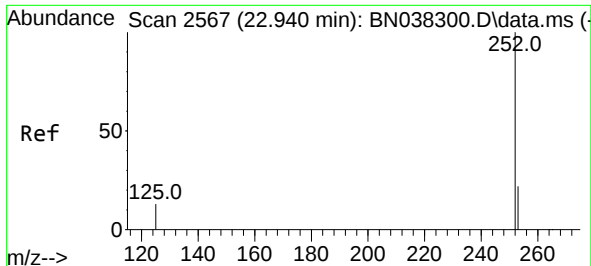
Ion Ratio Lower Upper

276 100

138 23.9 23.6 35.4

277 24.2 19.7 29.5

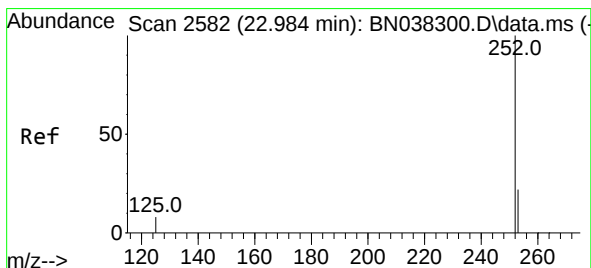
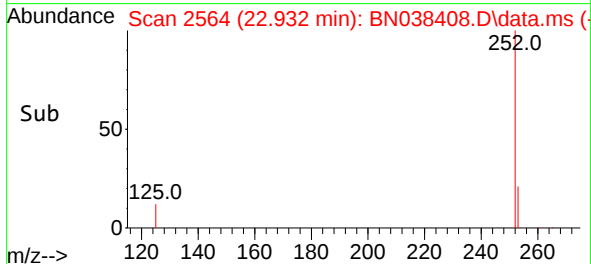
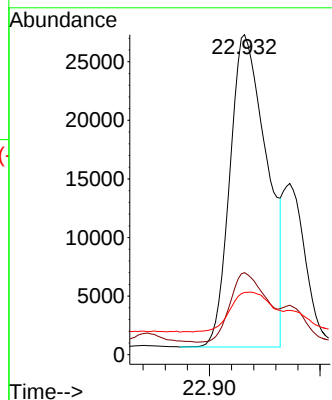
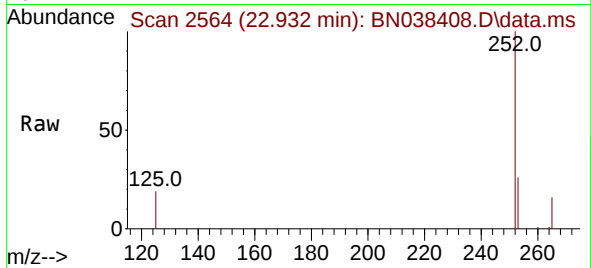




#37
Benzo(b)fluoranthene
Concen: 0.894 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.014 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

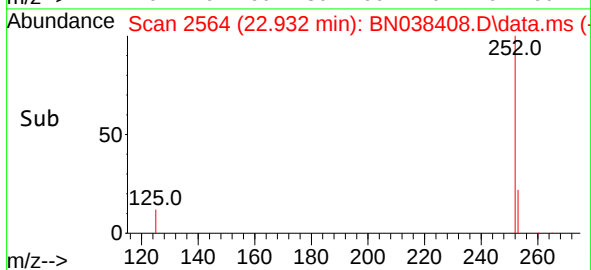
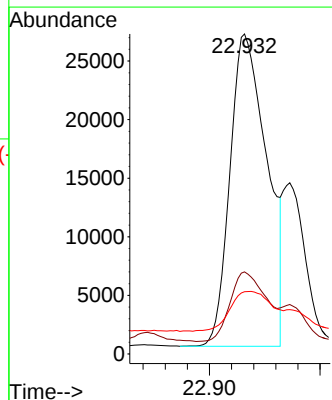
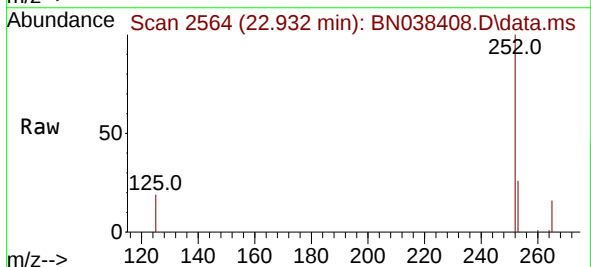
Instrument :
BNA_N
ClientSampleId :
COAN7

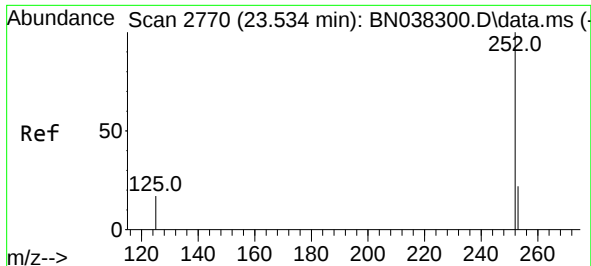
Tgt Ion:252 Resp: 61760
Ion Ratio Lower Upper
252 100
253 25.7 21.1 31.7
125 19.4 16.4 24.6



#38
Benzo(k)fluoranthene
Concen: 0.896 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.058 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Tgt Ion:252 Resp: 61760
Ion Ratio Lower Upper
252 100
253 25.7 21.4 32.0
125 19.4 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.570 ng

RT: 23.420 min Scan# 21

Delta R.T. -0.114 min

Lab File: BN038408.D

Acq: 15 Dec 2025 17:09

Instrument :

BNA_N

ClientSampleId :

COAN7

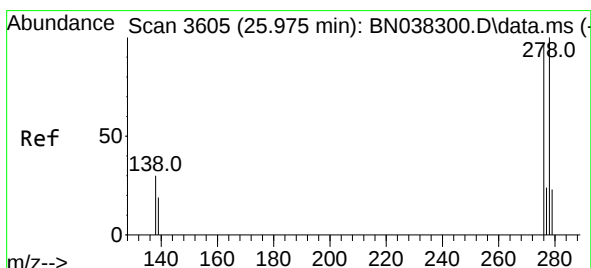
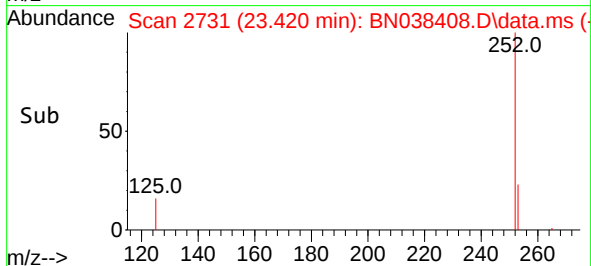
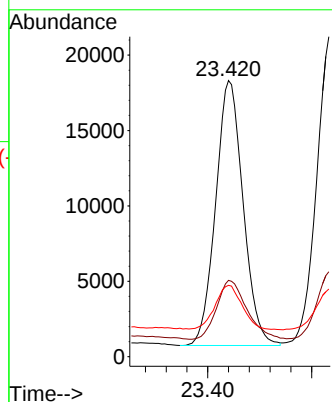
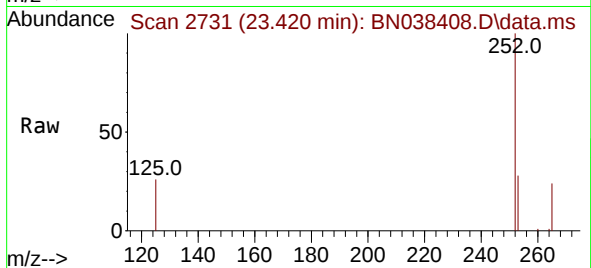
Tgt Ion:252 Resp: 32223

Ion Ratio Lower Upper

252 100

253 27.6 23.3 34.9

125 25.9 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.115 ng

RT: 25.943 min Scan# 3594

Delta R.T. -0.038 min

Lab File: BN038408.D

Acq: 15 Dec 2025 17:09

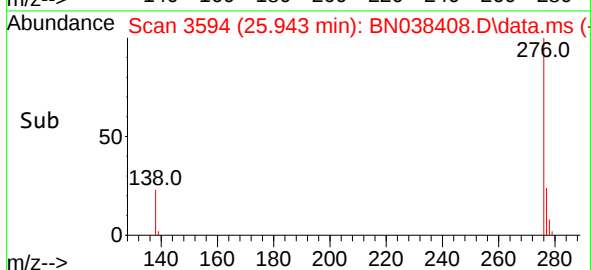
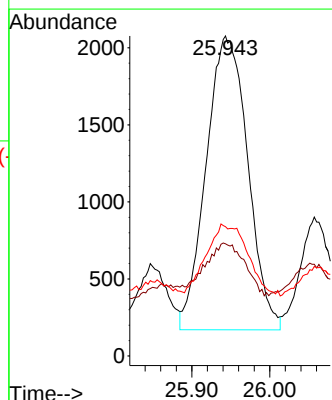
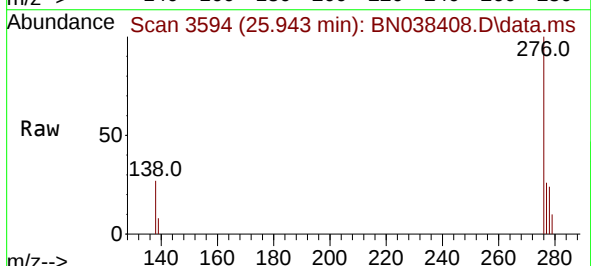
Tgt Ion:278 Resp: 7068

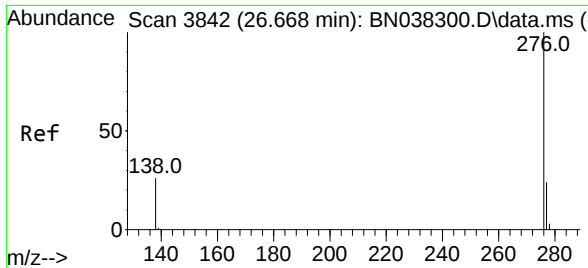
Ion Ratio Lower Upper

278 100

139 35.1 17.8 26.8#

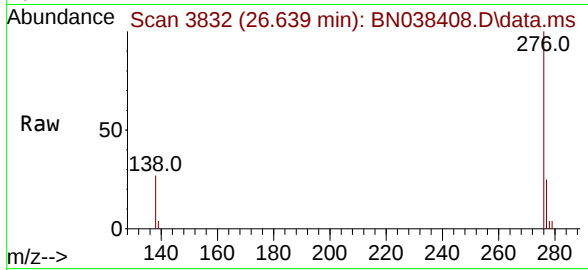
279 40.4 21.3 31.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.437 ng
 RT: 26.639 min Scan# 31
 Delta R.T. -0.038 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

Instrument :
 BNA_N
 ClientSampleId :
 C0AN7



Tgt Ion:	276	Resp:	30092
Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.0	30.0
138	27.4	21.8	32.6

