

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038405.D
 Acq On : 15 Dec 2025 15:20
 Operator : RC/JU
 Sample : Q3839-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN2

Quant Time: Dec 15 15:46:48 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)

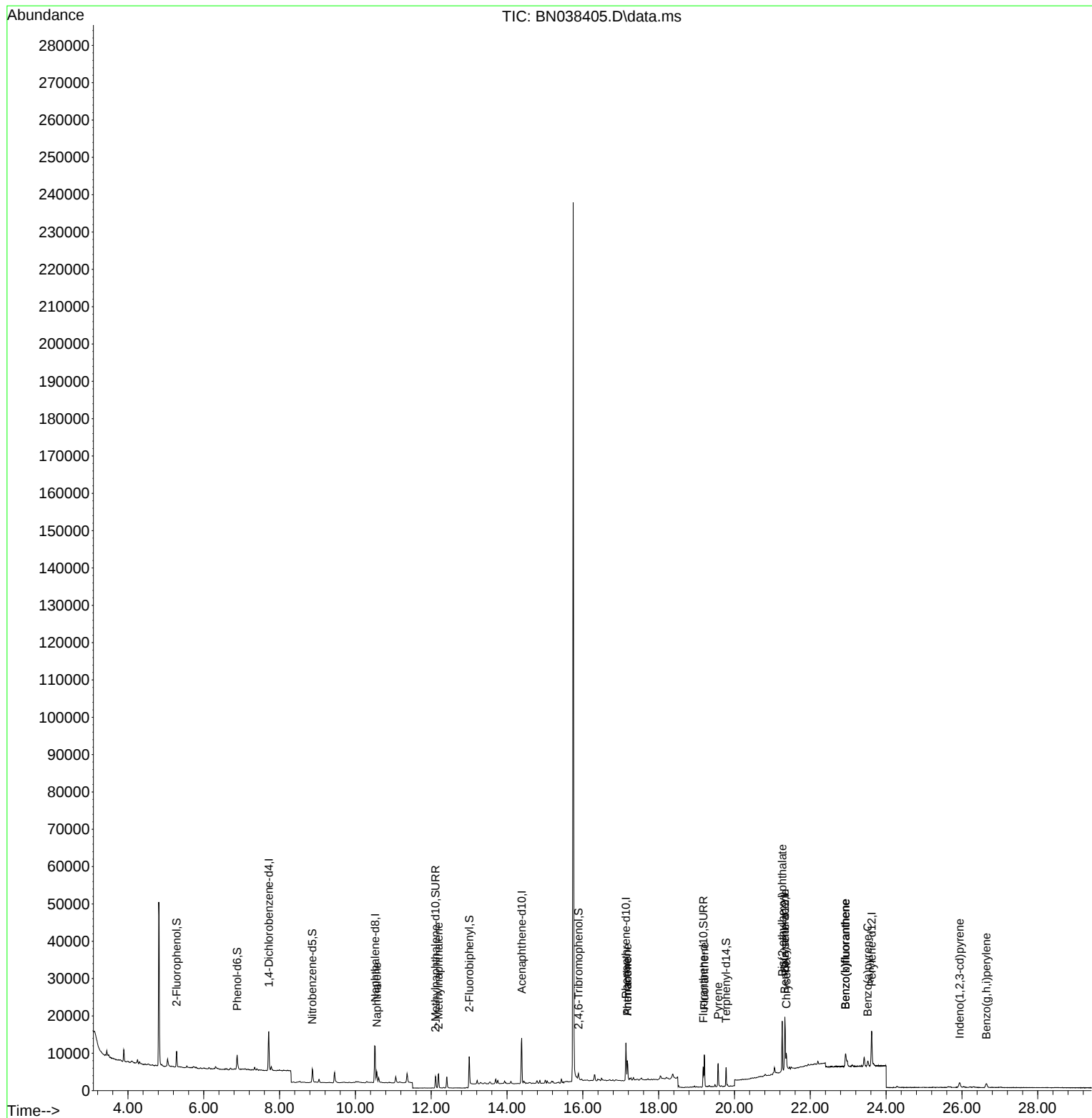
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5330	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	14443	0.400	ng	-0.01
13) Acenaphthene-d10	14.388	164	7322	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	12872	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	11614	0.400	ng	0.00
35) Perylene-d12	23.619	264	12367	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3388	0.255	ng	0.00
5) Phenol-d6	6.879	99	3835	0.243	ng	0.00
8) Nitrobenzene-d5	8.865	82	3178	0.261	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	4275	0.210	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	683	0.210	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	9536	0.270	ng	0.00
27) Fluoranthene-d10	19.178	212	5907	0.186	ng	0.00
31) Terphenyl-d14	19.777	244	4659	0.180	ng	-0.01
Target Compounds						
						Qvalue
9) Naphthalene	10.562	128	3802	0.089	ng	# 94
12) 2-Methylnaphthalene	12.192	142	2841	0.105	ng	96
25) Phenanthrene	17.173	178	6044	0.135	ng	98
26) Anthracene	17.173	178	5987	0.155	ng	98
28) Fluoranthene	19.206	202	7565	0.159	ng	99
30) Pyrene	19.568	202	5628	0.098	ng	96
32) Benzo(a)anthracene	21.322	228	3674	0.082	ng	# 86
33) Chrysene	21.366	228	4793	0.097	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.259	149	11746	0.477	ng	99
36) Indeno(1,2,3-cd)pyrene	25.940	276	2078	0.032	ng	96
37) Benzo(b)fluoranthene	22.929	252	5732	0.101	ng	# 57
38) Benzo(k)fluoranthene	22.929	252	5732	0.101	ng	# 57
39) Benzo(a)pyrene	23.516	252	2054	0.044	ng	# 18
41) Benzo(g,h,i)perylene	26.642	276	2261	0.040	ng	# 79

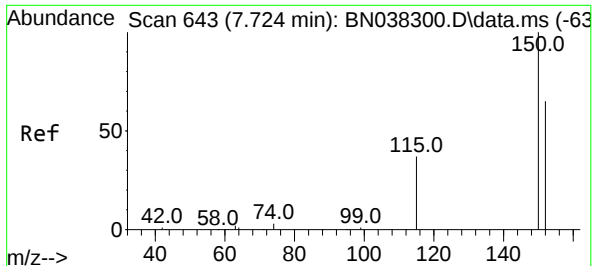
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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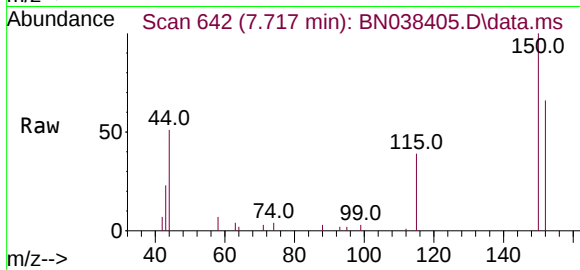
Quant Time: Dec 15 15:46:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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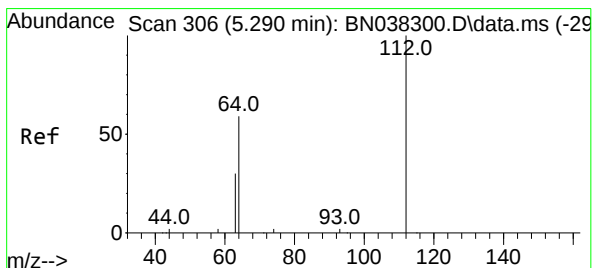
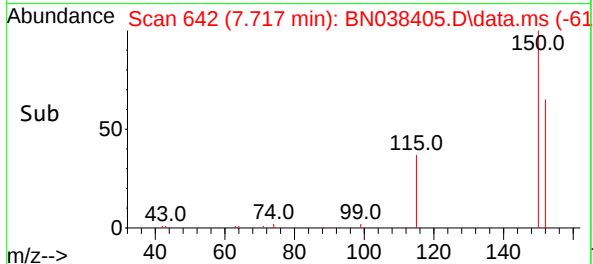
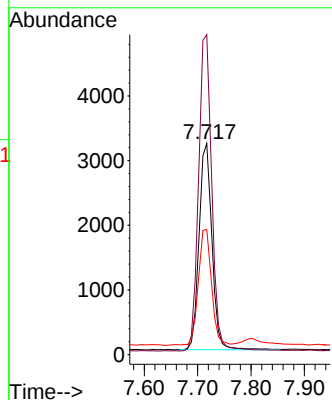


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20

Instrument :
 BNA_N
 ClientSampleId :
 COAN2

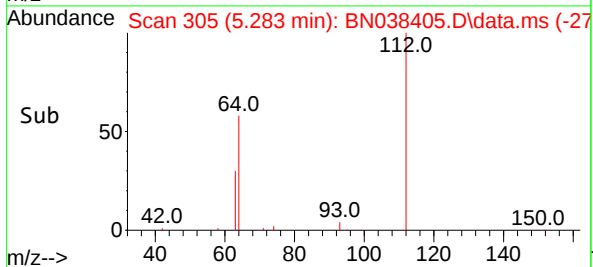
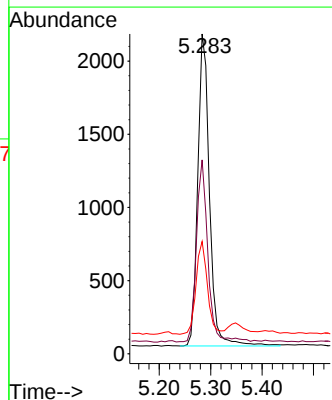
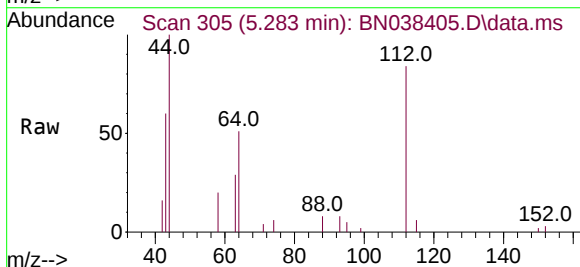


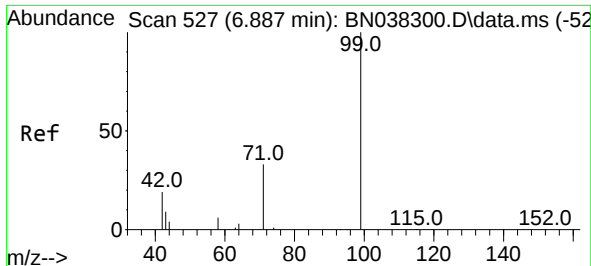
Tgt Ion:152 Resp: 5330
 Ion Ratio Lower Upper
 152 100
 150 151.5 122.4 183.6
 115 59.3 47.3 70.9



#4
 2-Fluorophenol
 Concen: 0.255 ng
 RT: 5.283 min Scan# 305
 Delta R.T. -0.007 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20

Tgt Ion:112 Resp: 3388
 Ion Ratio Lower Upper
 112 100
 64 56.5 44.4 66.6
 63 28.7 23.4 35.0

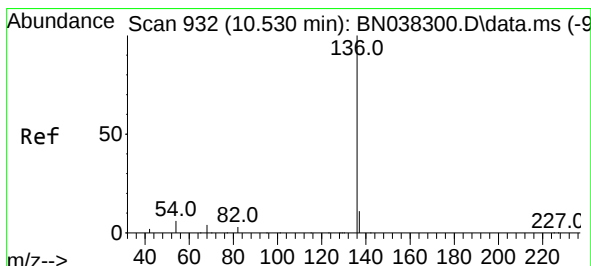
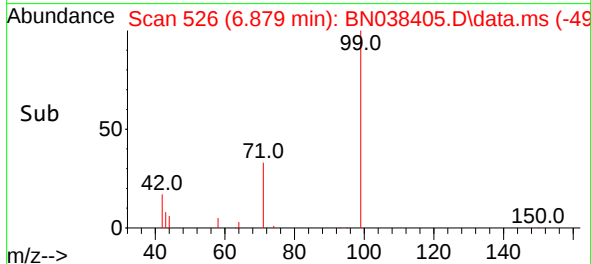
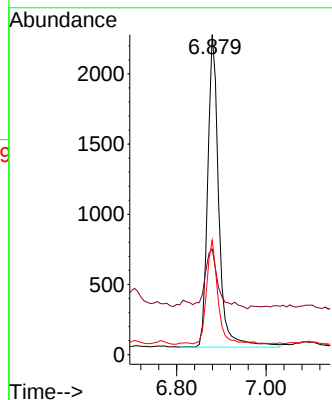
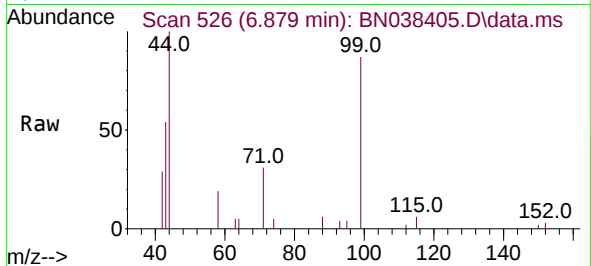




#5
Phenol-d6
Concen: 0.243 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

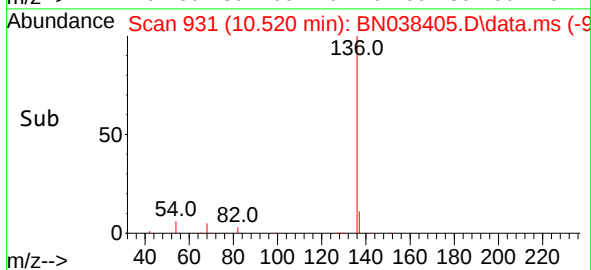
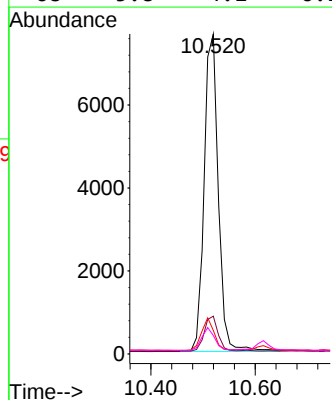
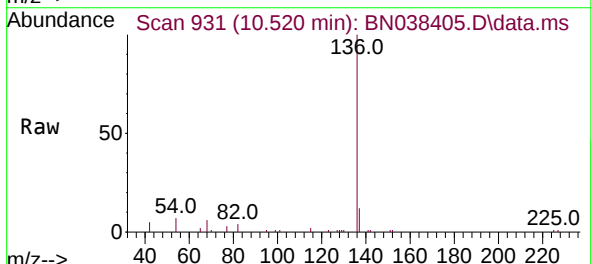
Instrument :
BNA_N
ClientSampleId :
COAN2

Tgt Ion:	99	Resp:	3835
Ion	Ratio	Lower	Upper
99	100		
42	22.8	16.5	24.7
71	32.8	24.9	37.3



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

Tgt Ion:	136	Resp:	14443
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	7.3	5.2	7.8
68	5.8	4.1	6.1

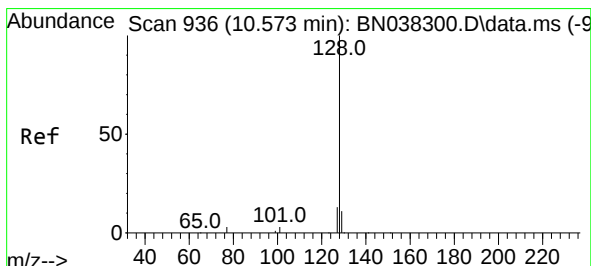
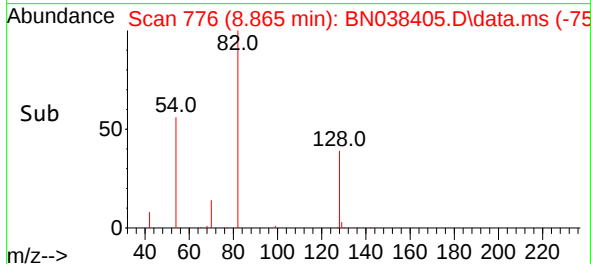
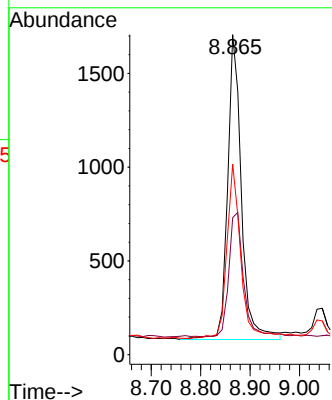
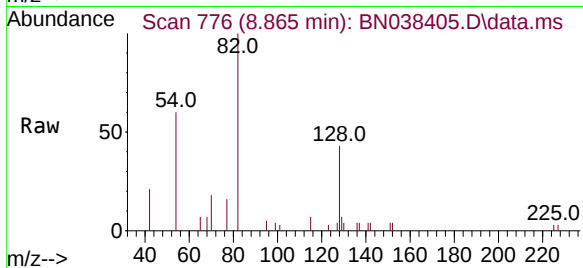




#8
Nitrobenzene-d5
Concen: 0.261 ng
RT: 8.865 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

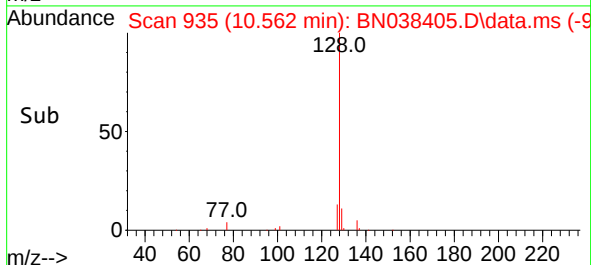
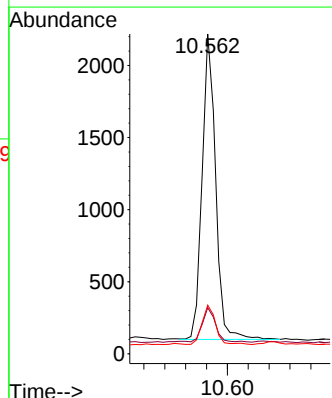
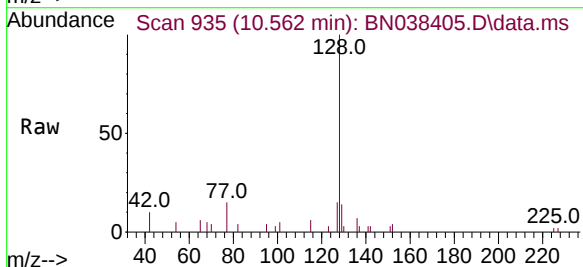
Instrument :
BNA_N
ClientSampleId :
COAN2

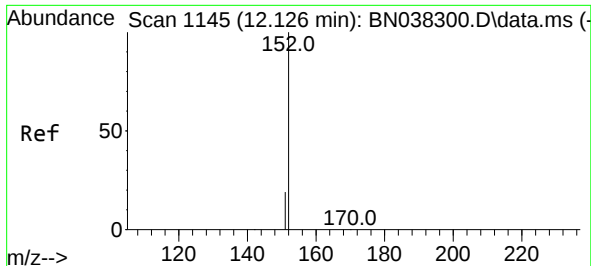
Tgt Ion: 82 Resp: 3178
Ion Ratio Lower Upper
82 100
128 42.8 34.0 51.0
54 59.5 44.4 66.6



#9
Naphthalene
Concen: 0.089 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

Tgt Ion: 128 Resp: 3802
Ion Ratio Lower Upper
128 100
129 14.4 9.1 13.7#
127 15.2 10.9 16.3

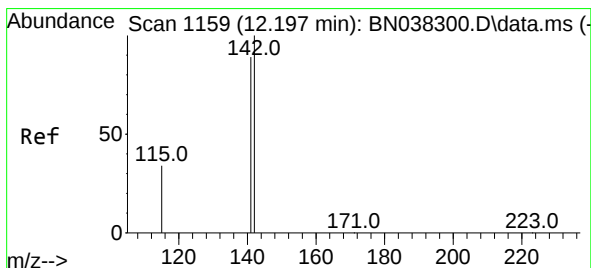
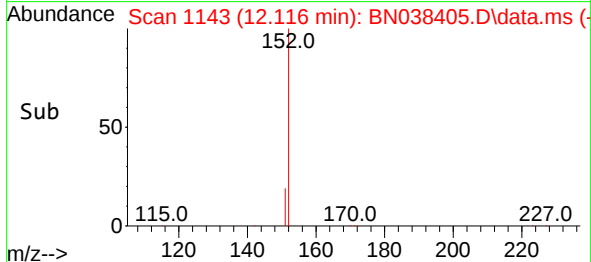
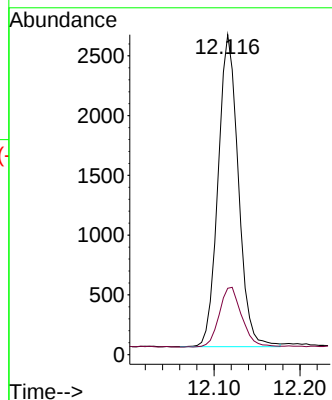
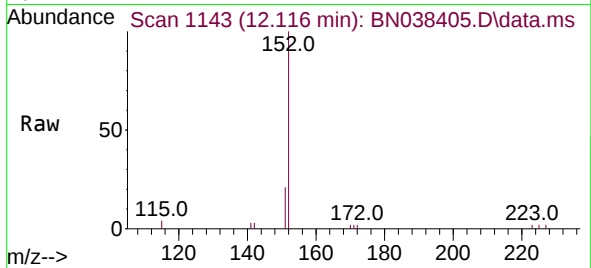




#11
2-Methylnaphthalene-d10
Concen: 0.210 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

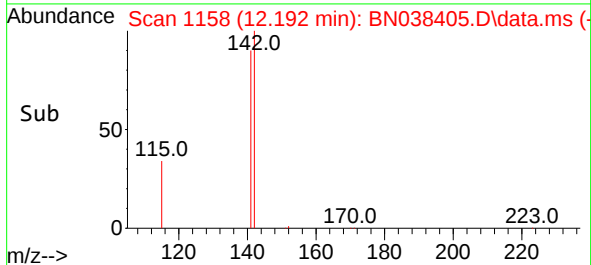
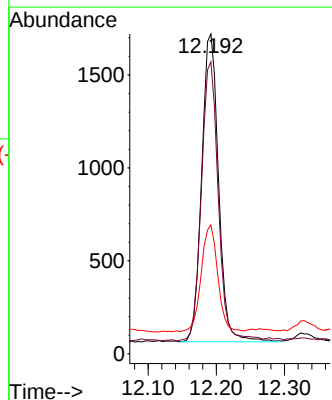
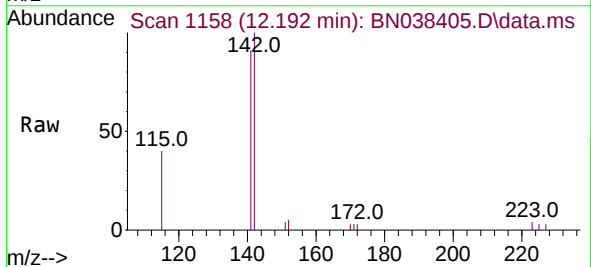
Instrument :
BNA_N
ClientSampleId :
COAN2

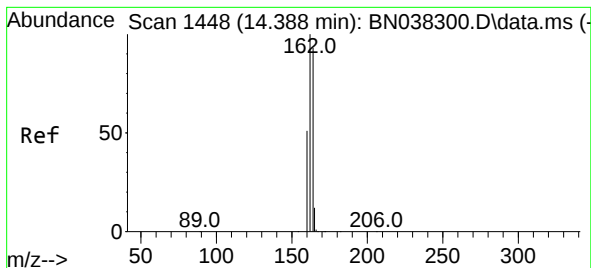
Tgt Ion:152 Resp: 4275
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.105 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

Tgt Ion:142 Resp: 2841
Ion Ratio Lower Upper
142 100
141 91.2 71.4 107.2
115 40.3 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: BN038405.D

Acq: 15 Dec 2025 15:20

Instrument :

BNA_N

ClientSampleId :

COAN2

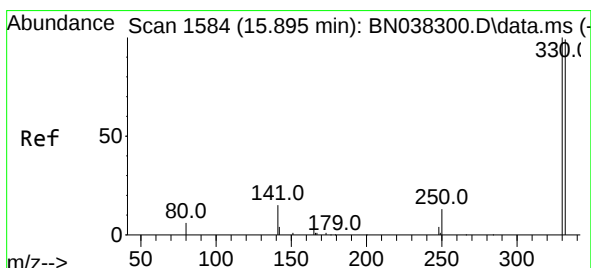
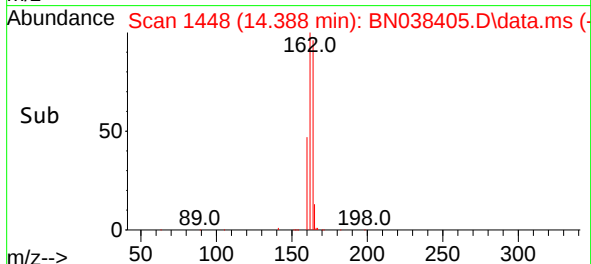
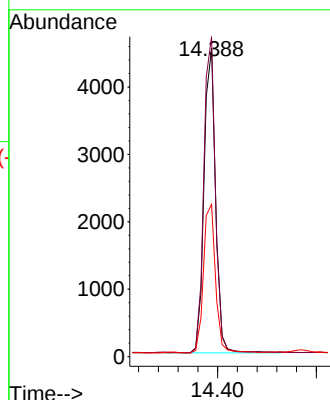
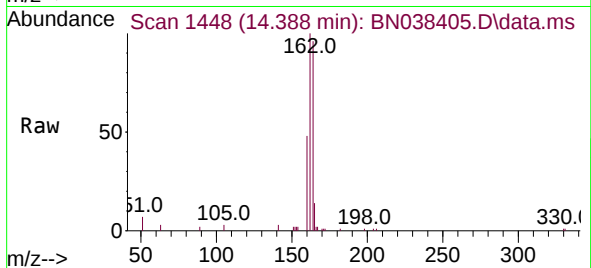
Tgt Ion:164 Resp: 7322

Ion Ratio Lower Upper

164 100

162 103.8 86.2 129.4

160 49.4 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.210 ng

RT: 15.882 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BN038405.D

Acq: 15 Dec 2025 15:20

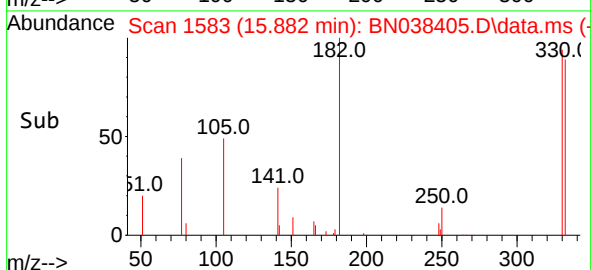
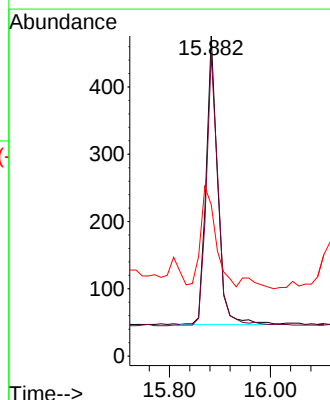
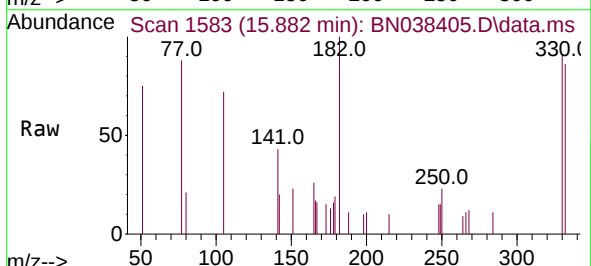
Tgt Ion:330 Resp: 683

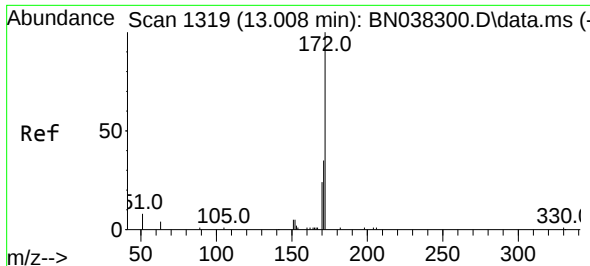
Ion Ratio Lower Upper

330 100

332 97.4 75.8 113.6

141 44.5 31.8 47.8

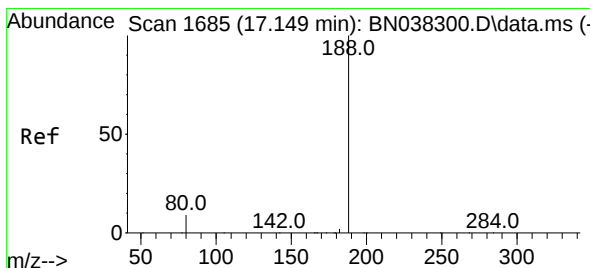
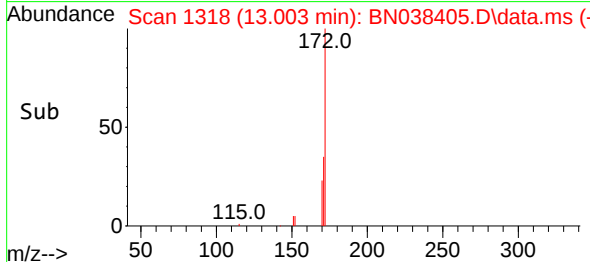
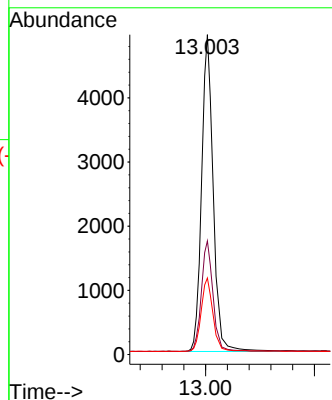
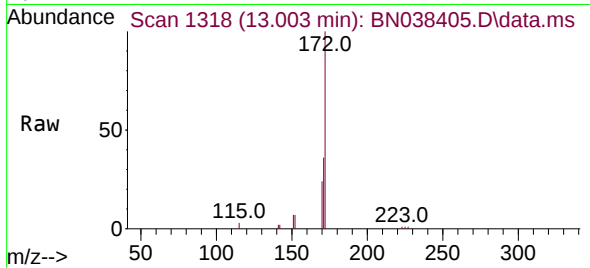




#15
2-Fluorobiphenyl
Concen: 0.270 ng
RT: 13.003 min Scan# 1319
Delta R.T. -0.005 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

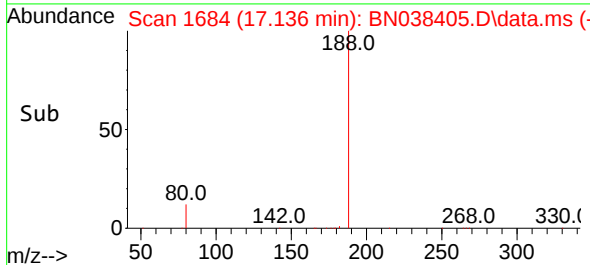
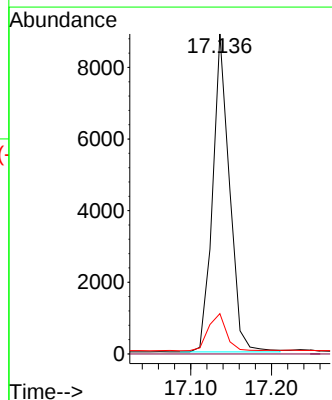
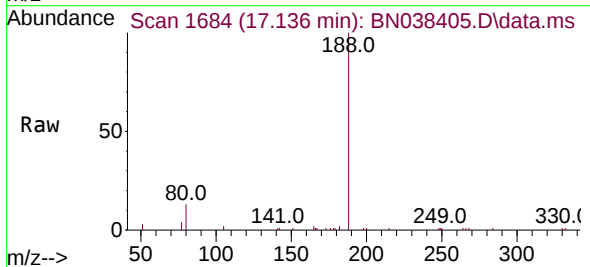
Instrument :
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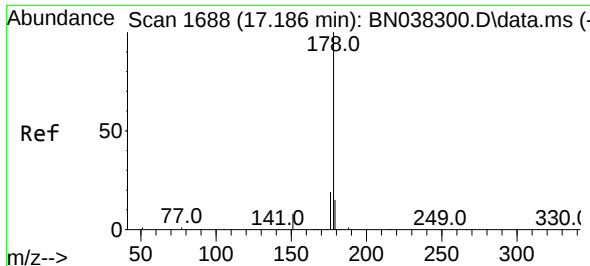
Tgt Ion:	172	Resp:	9536
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.6	42.8
170	23.9	19.3	28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

Tgt Ion:	188	Resp:	12872
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.6	7.4	11.0

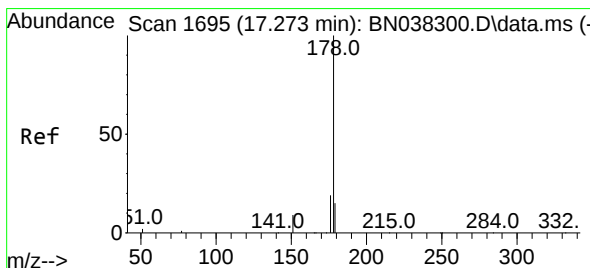
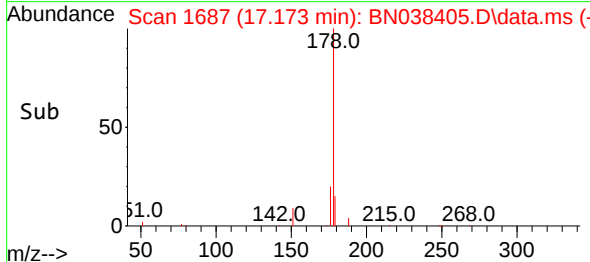
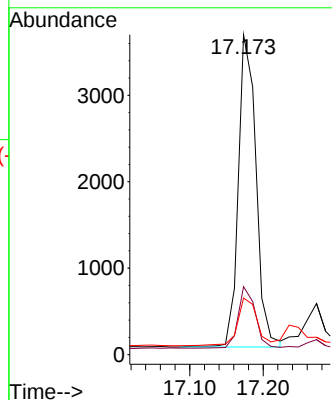
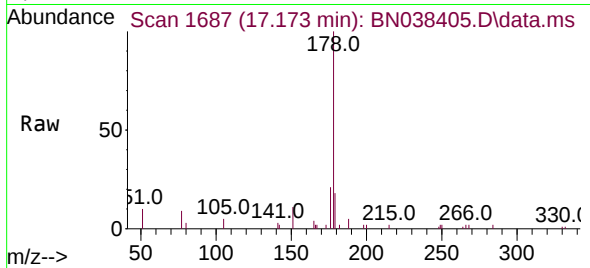




#25
 Phenanthrene
 Concen: 0.135 ng
 RT: 17.173 min Scan# 1687
 Delta R.T. -0.012 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20

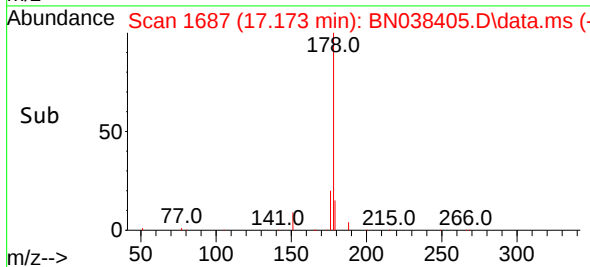
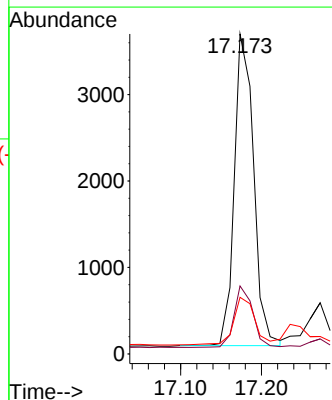
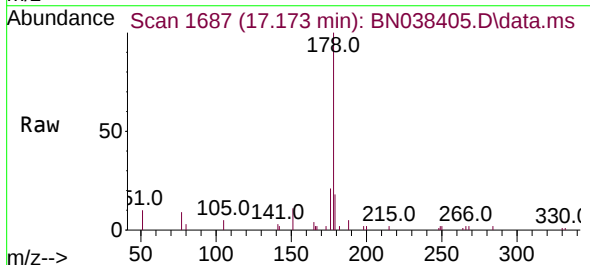
Instrument :
 BNA_N
 ClientSampleId :
 COAN2

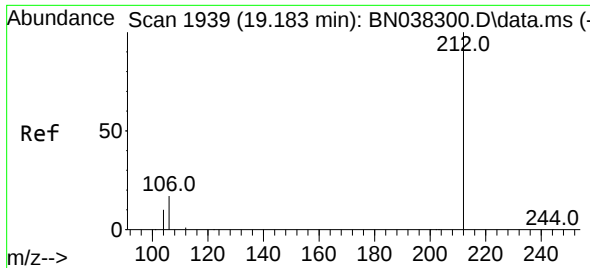
Tgt Ion:178 Resp: 6044
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.5 23.3
 179 16.8 12.2 18.2



#26
 Anthracene
 Concen: 0.155 ng
 RT: 17.173 min Scan# 1687
 Delta R.T. -0.112 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20

Tgt Ion:178 Resp: 5987
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.1 22.7
 179 16.5 12.0 18.0

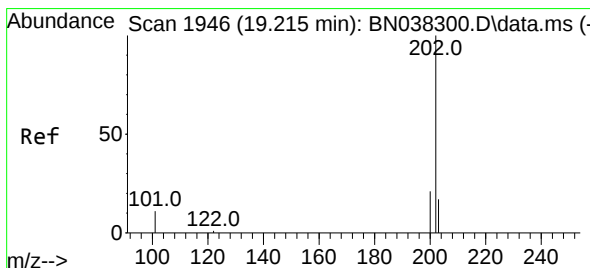
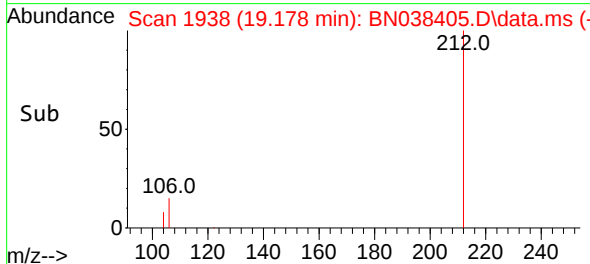
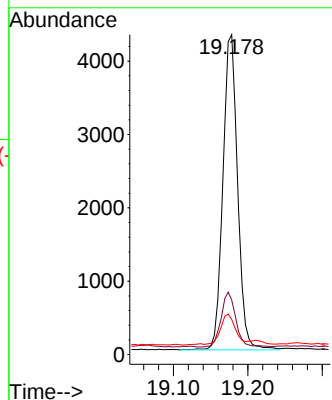
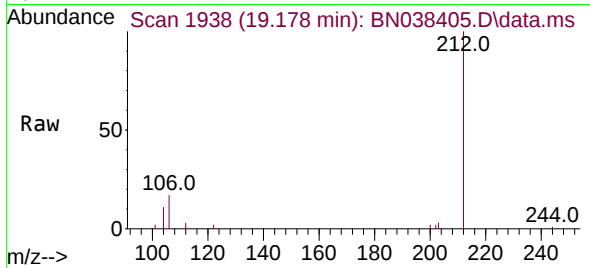




#27
Fluoranthene-d10
Concen: 0.186 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

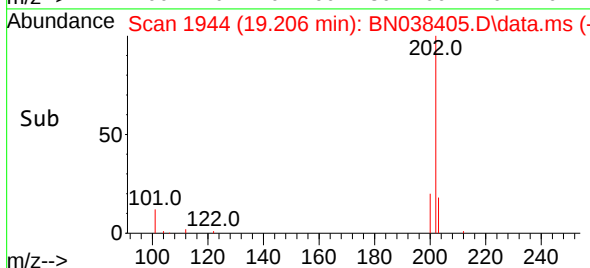
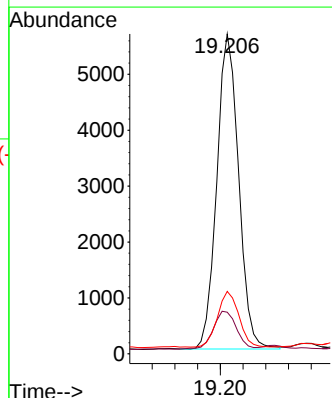
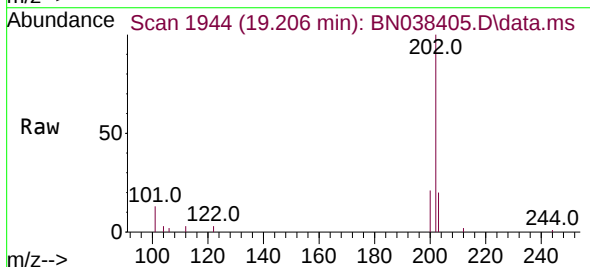
Instrument :
BNA_N
ClientSampleId :
COAN2

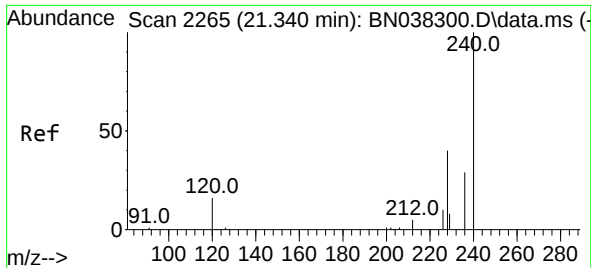
Tgt Ion:212 Resp: 5907
Ion Ratio Lower Upper
212 100
106 17.3 13.7 20.5
104 9.4 7.8 11.8



#28
Fluoranthene
Concen: 0.159 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

Tgt Ion:202 Resp: 7565
Ion Ratio Lower Upper
202 100
101 12.7 9.6 14.4
203 17.3 13.5 20.3

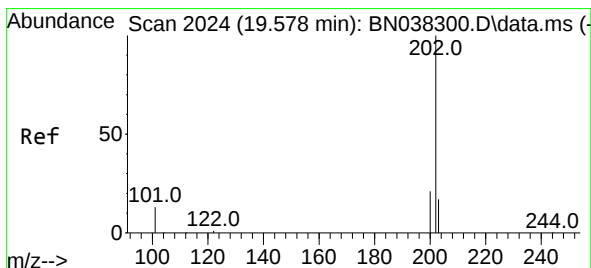
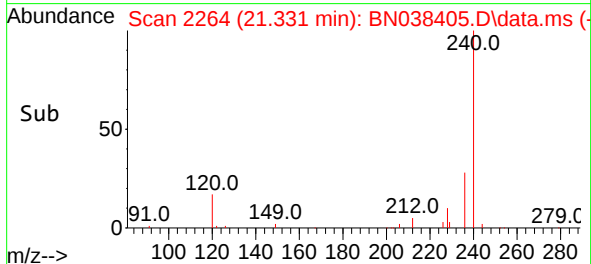
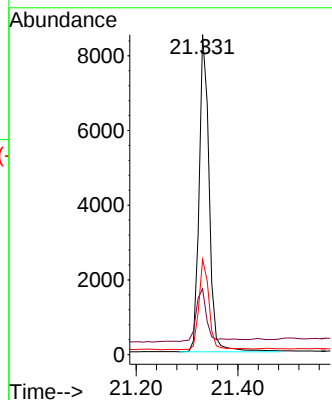
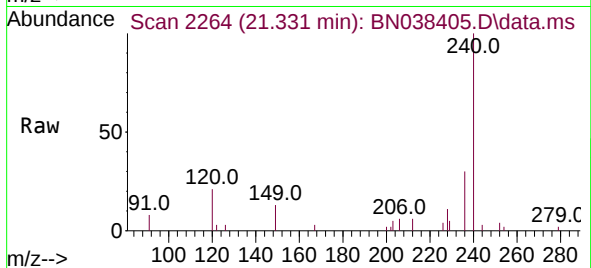




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

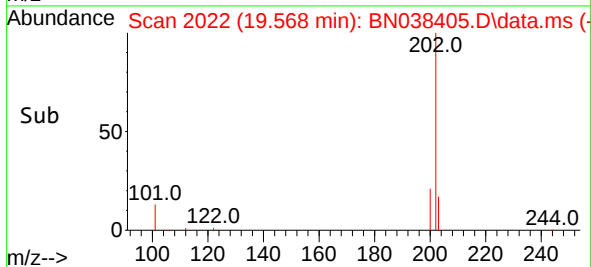
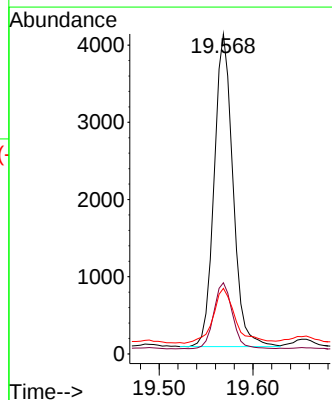
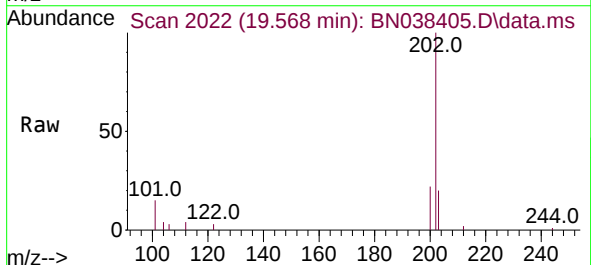
Instrument :
BNA_N
ClientSampleId :
COAN2

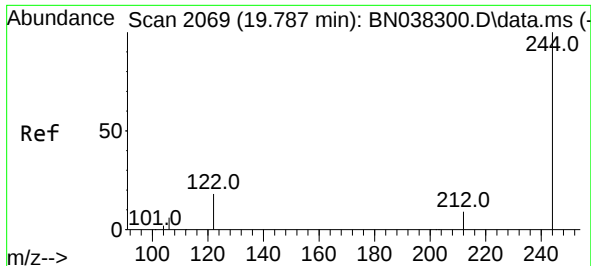
Tgt Ion:240 Resp: 11614
Ion Ratio Lower Upper
240 100
120 20.6 15.4 23.2
236 29.7 23.9 35.9



#30
Pyrene
Concen: 0.098 ng
RT: 19.568 min Scan# 2022
Delta R.T. -0.014 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

Tgt Ion:202 Resp: 5628
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 20.9 14.2 21.2

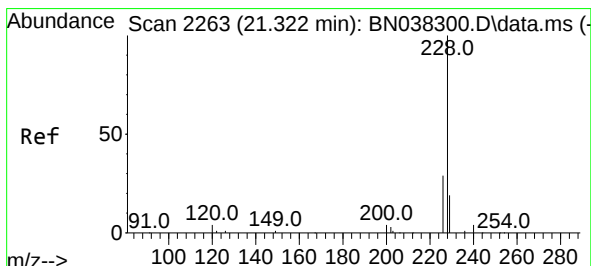
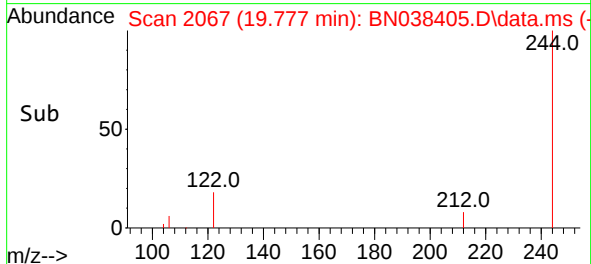
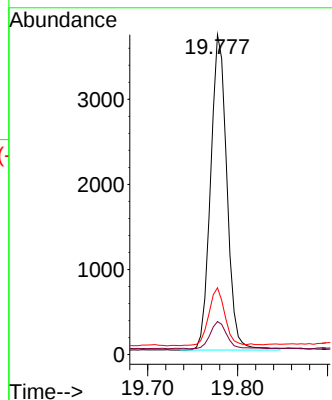
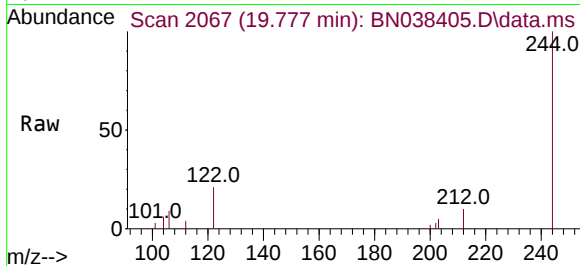




#31
 Terphenyl-d14
 Concen: 0.180 ng
 RT: 19.777 min Scan# 2067
 Delta R.T. -0.014 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20

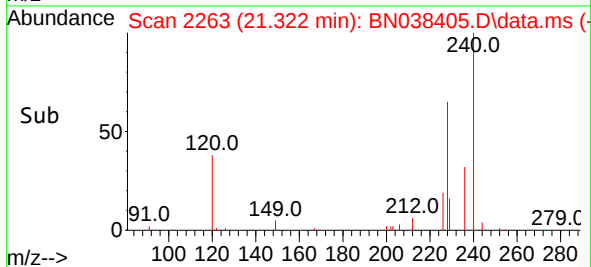
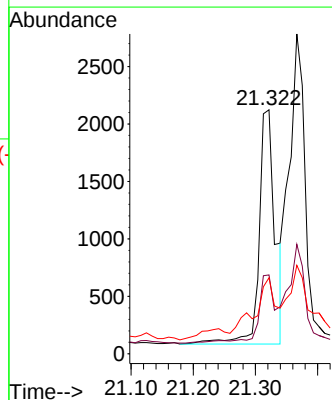
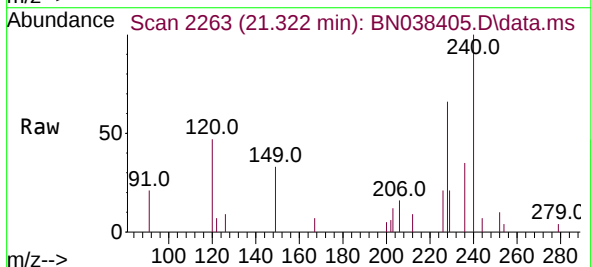
Instrument :
 BNA_N
 ClientSampleId :
 COAN2

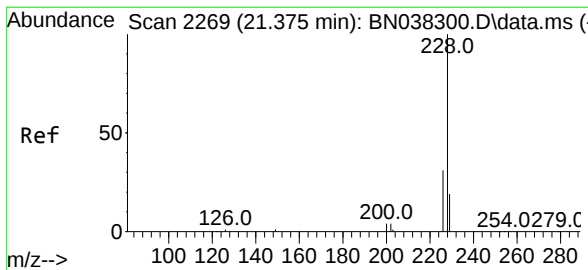
Tgt Ion:244	Resp:	4659
Ion Ratio	Lower	Upper
244	100	
212	10.3	7.9 11.9
122	20.9	15.0 22.6



#32
 Benzo(a)anthracene
 Concen: 0.082 ng
 RT: 21.322 min Scan# 2263
 Delta R.T. -0.009 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20

Tgt Ion:228	Resp:	3674
Ion Ratio	Lower	Upper
228	100	
226	32.3	23.3 34.9
229	31.2	15.7 23.5





#33

Chrysene

Concen: 0.097 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038405.D

Acq: 15 Dec 2025 15:20

Instrument :

BNA_N

ClientSampleId :

COAN2

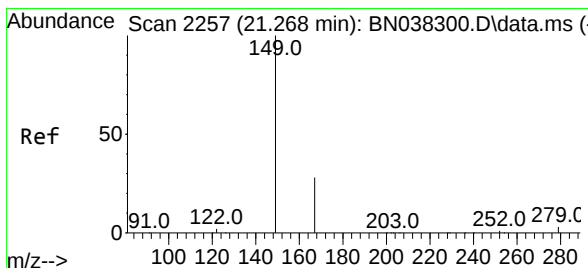
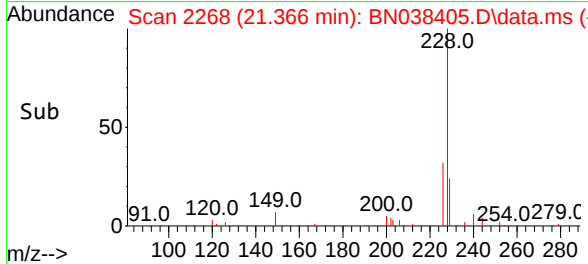
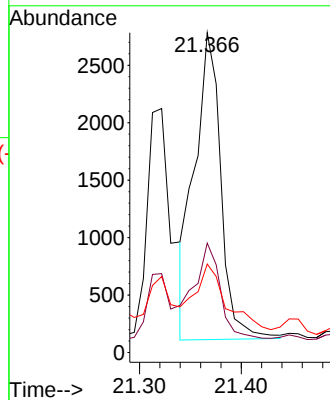
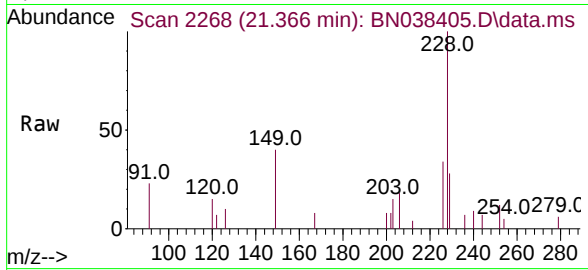
Tgt Ion:228 Resp: 4793

Ion Ratio Lower Upper

228 100

226 34.2 25.0 37.4

229 27.7 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.477 ng

RT: 21.259 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN038405.D

Acq: 15 Dec 2025 15:20

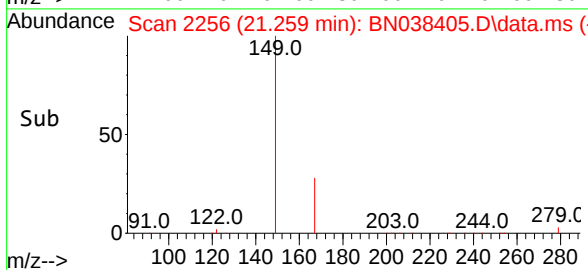
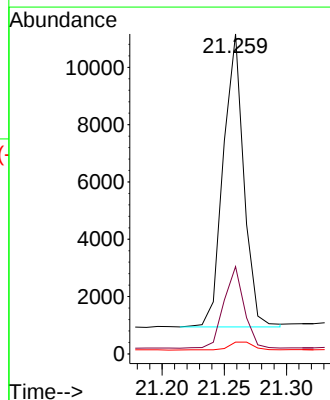
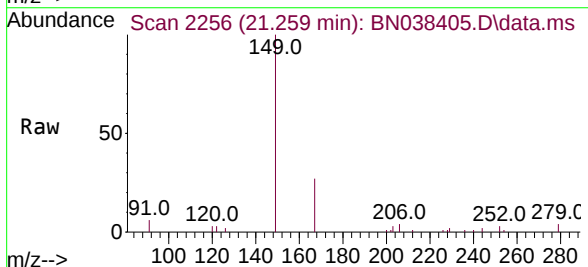
Tgt Ion:149 Resp: 11746

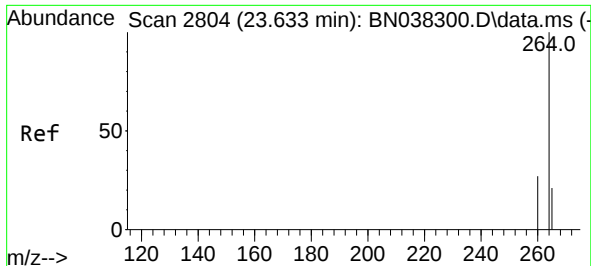
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

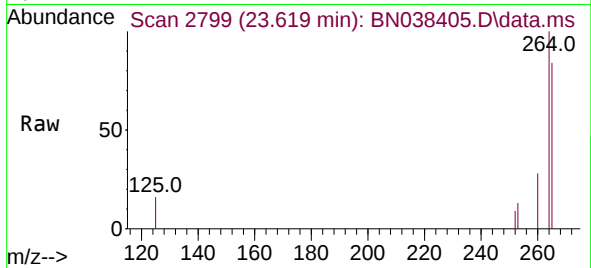
279 3.6 2.4 3.6





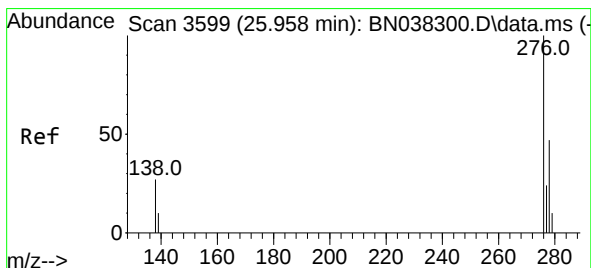
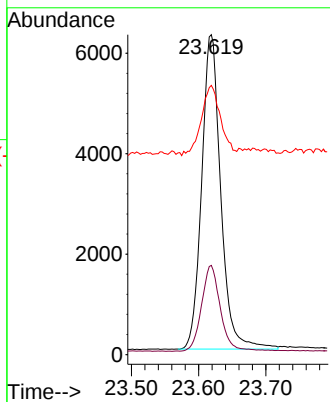
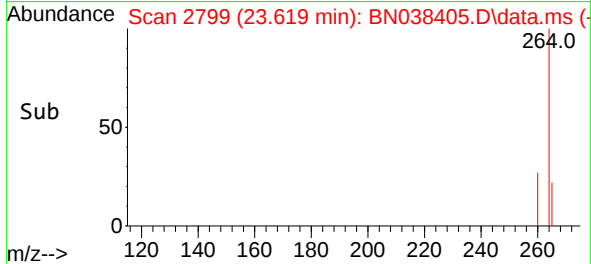
#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.619 min Scan# 21
 Delta R.T. -0.015 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20

Instrument :
 BNA_N
 ClientSampleId :
 COAN2

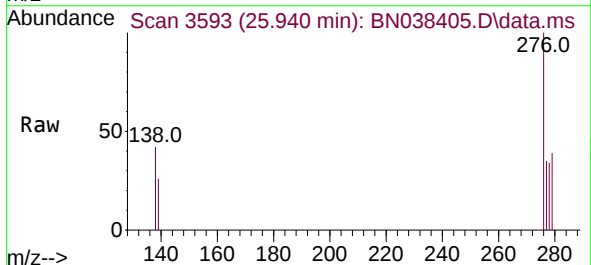


Tgt Ion:264 Resp: 12367

Ion	Ratio	Lower	Upper
264	100		
260	27.9	22.2	33.2
265	84.1	80.2	120.2

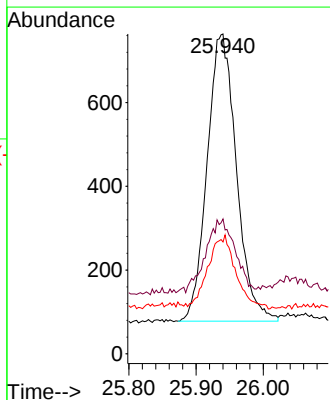
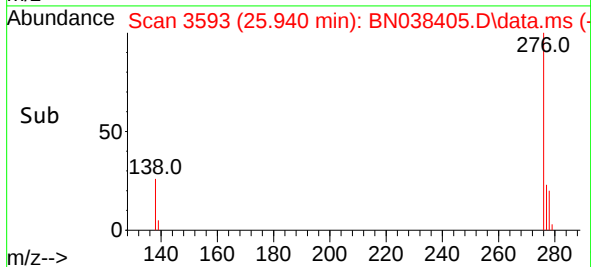


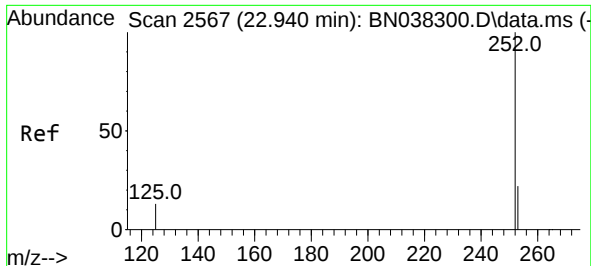
#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.032 ng
 RT: 25.940 min Scan# 3593
 Delta R.T. -0.023 min
 Lab File: BN038405.D
 Acq: 15 Dec 2025 15:20



Tgt Ion:276 Resp: 2078

Ion	Ratio	Lower	Upper
276	100		
138	25.6	23.6	35.4
277	24.2	19.7	29.5

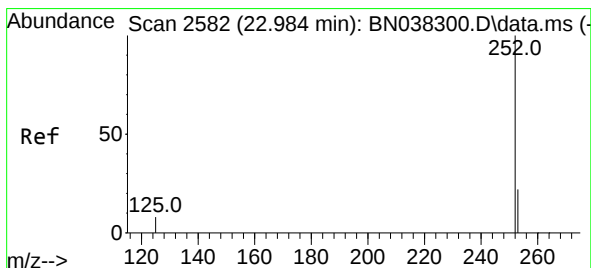
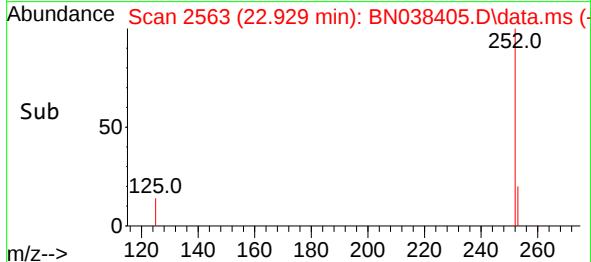
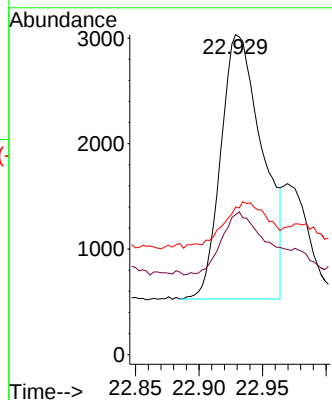
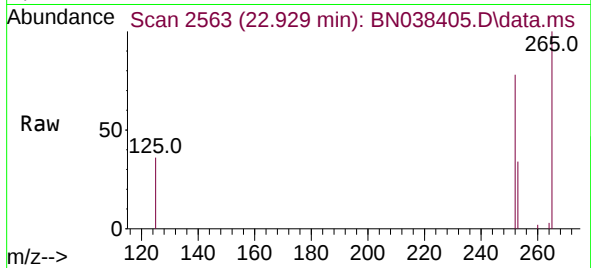




#37
Benzo(b)fluoranthene
Concen: 0.101 ng
RT: 22.929 min Scan# 2563
Delta R.T. -0.017 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

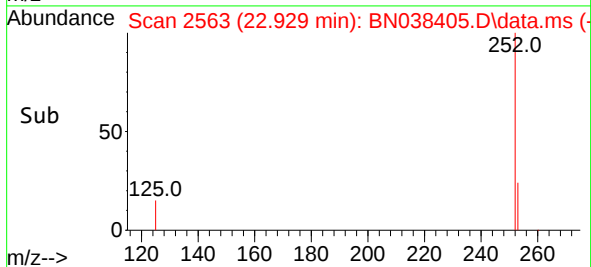
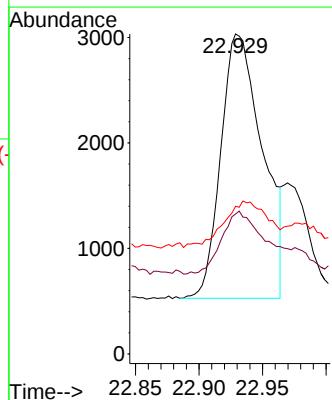
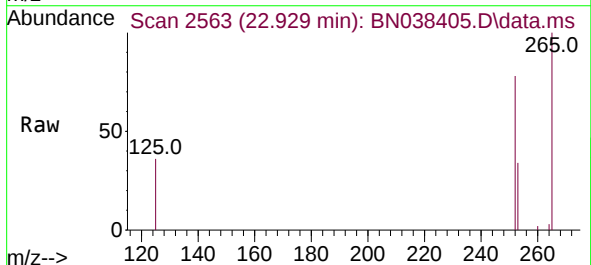
Instrument :
BNA_N
ClientSampleId :
COAN2

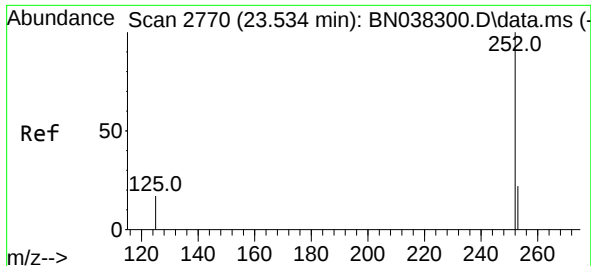
Tgt Ion:252 Resp: 5732
Ion Ratio Lower Upper
252 100
253 43.7 21.1 31.7#
125 46.1 16.4 24.6#



#38
Benzo(k)fluoranthene
Concen: 0.101 ng
RT: 22.929 min Scan# 2563
Delta R.T. -0.061 min
Lab File: BN038405.D
Acq: 15 Dec 2025 15:20

Tgt Ion:252 Resp: 5732
Ion Ratio Lower Upper
252 100
253 43.7 21.4 32.0#
125 46.1 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 0.044 ng

RT: 23.516 min Scan# 21

Delta R.T. -0.017 min

Lab File: BN038405.D

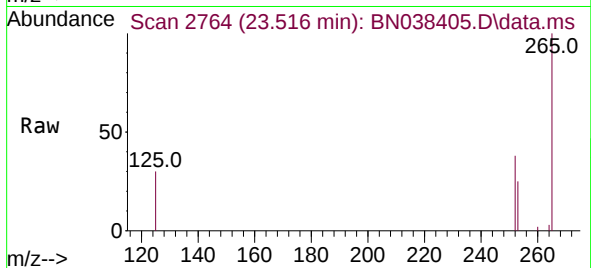
Acq: 15 Dec 2025 15:20

Instrument :

BNA_N

ClientSampleId :

COAN2



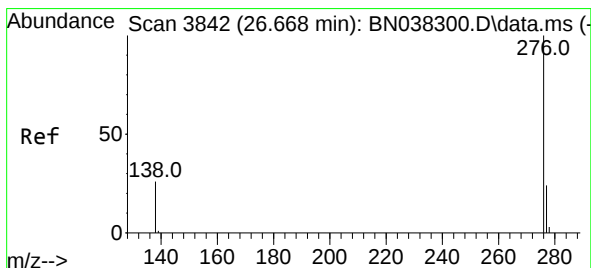
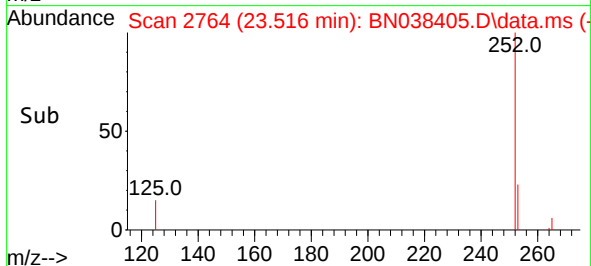
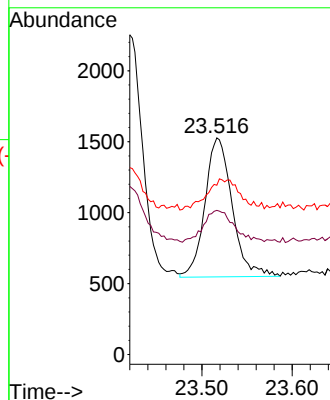
Tgt Ion:252 Resp: 2054

Ion Ratio Lower Upper

252 100

253 66.5 23.3 34.9#

125 78.1 22.4 33.6#



#41

Benzo(g,h,i)perylene

Concen: 0.040 ng

RT: 26.642 min Scan# 3833

Delta R.T. -0.035 min

Lab File: BN038405.D

Acq: 15 Dec 2025 15:20

Tgt Ion:276 Resp: 2261

Ion Ratio Lower Upper

276 100

277 34.8 20.0 30.0#

138 38.6 21.8 32.6#

