

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082825\
 Data File : BN037650.D
 Acq On : 28 Aug 2025 10:42
 Operator : RC/JU
 Sample : Q2937-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW8-SP100-20250821

Quant Time: Aug 28 11:49:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

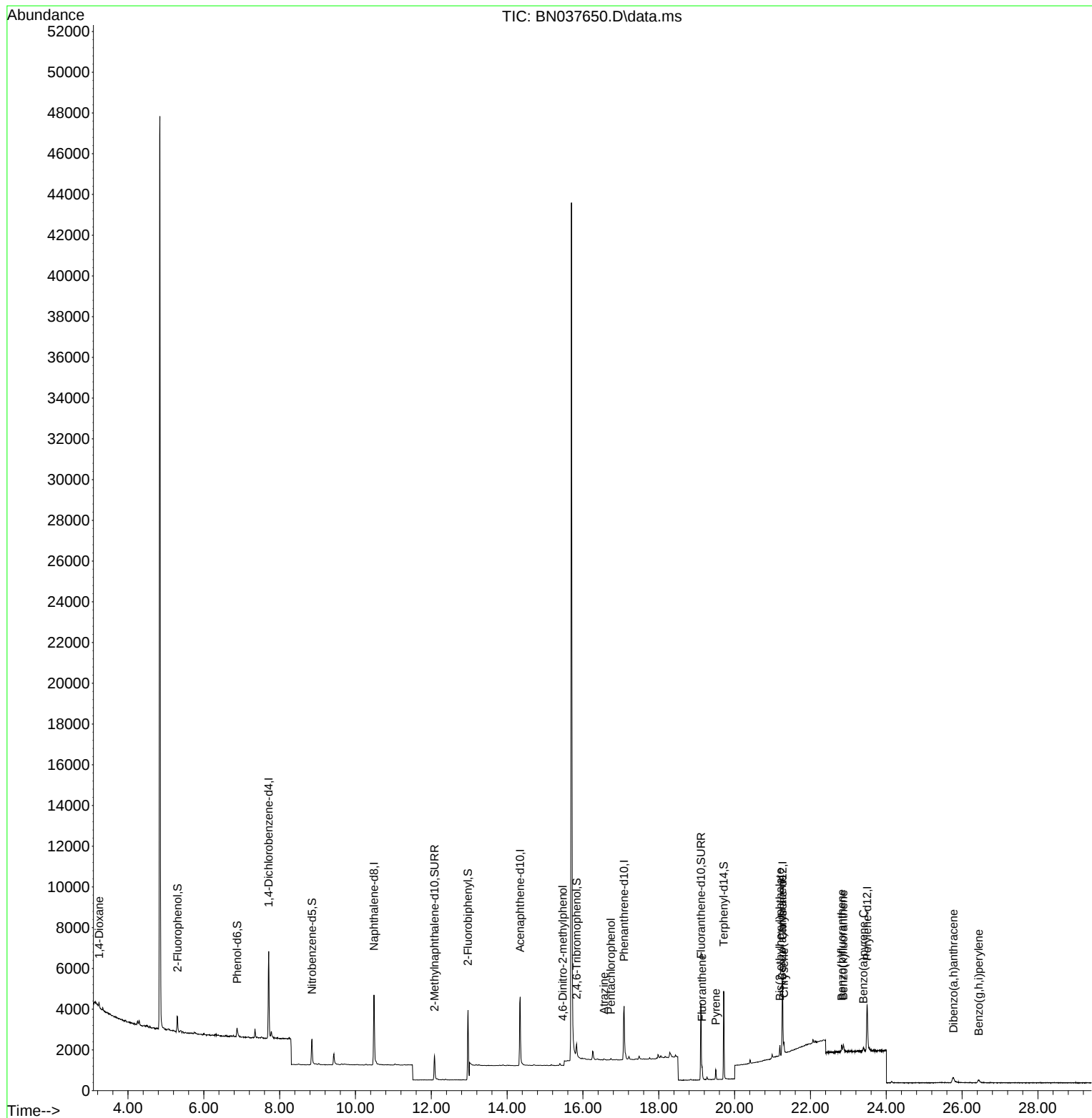
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2104	0.400	ng	0.00
7) Naphthalene-d8	10.487	136	4814	0.400	ng	-0.01
13) Acenaphthene-d10	14.345	164	2198	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	4468	0.400	ng	0.00
29) Chrysene-d12	21.268	240	3707	0.400	ng	# 0.00
35) Perylene-d12	23.493	264	3325	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	637	0.134	ng	0.00
5) Phenol-d6	6.879	99	414	0.072	ng	0.00
8) Nitrobenzene-d5	8.854	82	1179	0.348	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	1892	0.289	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	423	0.440	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	4845	0.381	ng	0.00
27) Fluoranthene-d10	19.113	212	4436	0.377	ng	0.00
31) Terphenyl-d14	19.712	244	4277	0.561	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	108	0.054	ng	# 8
20) 4,6-Dinitro-2-methylph...	15.467	198	7	0.189	ng	# 1
23) Atrazine	16.553	200	48	0.030	ng	# 52
24) Pentachlorophenol	16.739	266	41	0.029	ng	# 77
28) Fluoranthene	19.141	202	479	0.031	ng	# 84
30) Pyrene	19.503	202	443	0.032	ng	98
32) Benzo(a)anthracene	21.250	228	380	0.031	ng	# 77
33) Chrysene	21.304	228	480	0.035	ng	# 82
34) Bis(2-ethylhexyl)phtha...	21.196	149	479	0.094	ng	# 96
37) Benzo(b)fluoranthene	22.826	252	445	0.035	ng	# 5
38) Benzo(k)fluoranthene	22.870	252	427	0.030	ng	# 12
39) Benzo(a)pyrene	23.396	252	295	0.028	ng	# 1
40) Dibenzo(a,h)anthracene	25.773	278	251	0.023	ng	# 1
41) Benzo(g,h,i)perylene	26.440	276	311	0.027	ng	# 38

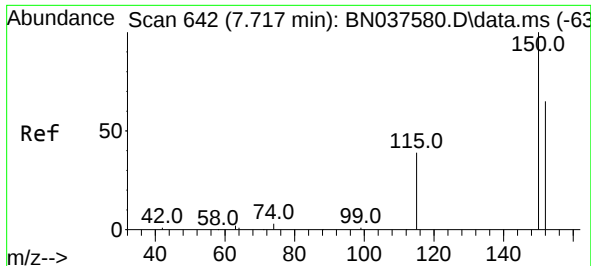
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082825\
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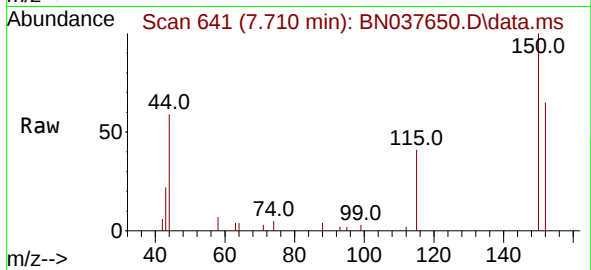
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



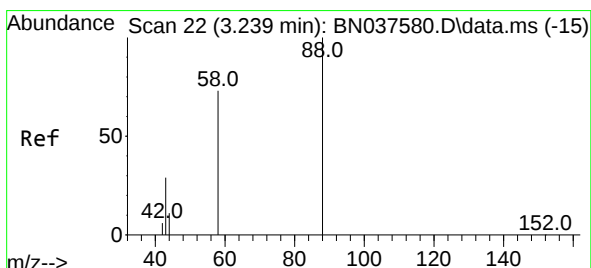
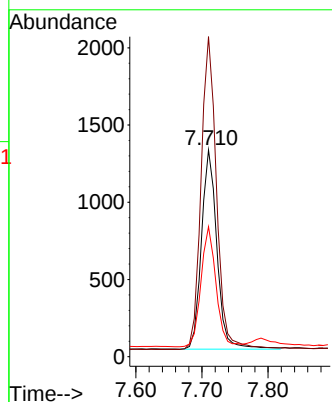
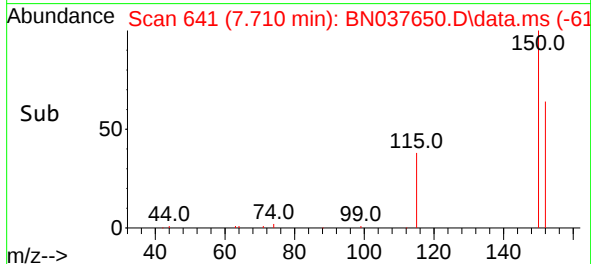


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42

Instrument :
 BNA_N
 ClientSampleId :
 RW8-SP100-20250821

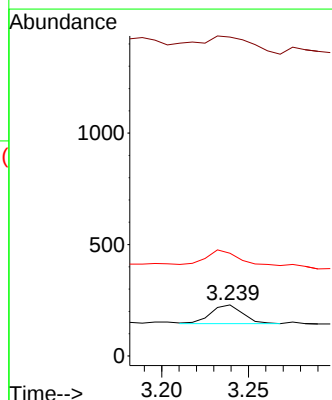
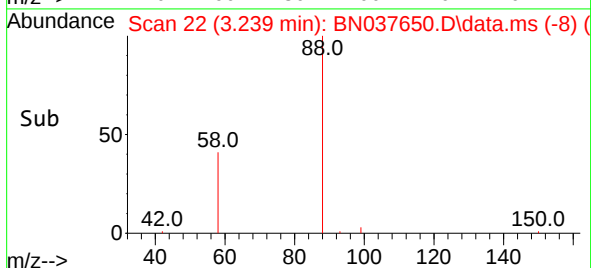
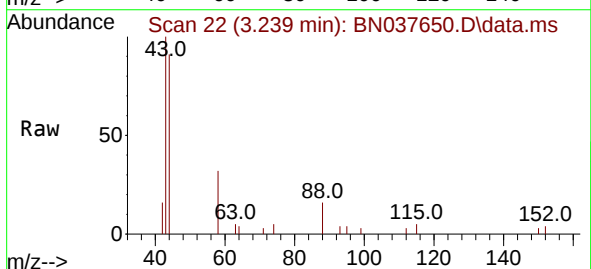


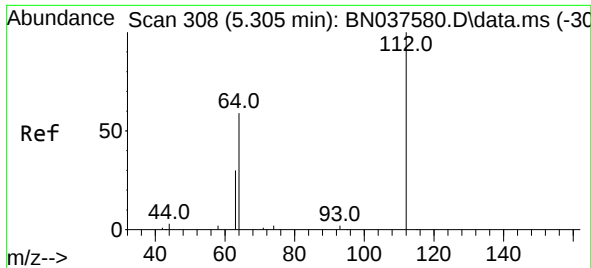
Tgt Ion:152 Resp: 2104
 Ion Ratio Lower Upper
 152 100
 150 154.7 122.2 183.4
 115 62.8 49.8 74.6



#2
 1,4-Dioxane
 Concen: 0.054 ng
 RT: 3.239 min Scan# 22
 Delta R.T. 0.000 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42

Tgt Ion: 88 Resp: 108
 Ion Ratio Lower Upper
 88 100
 43 113.0 25.8 38.6#
 58 137.0 61.2 91.8#

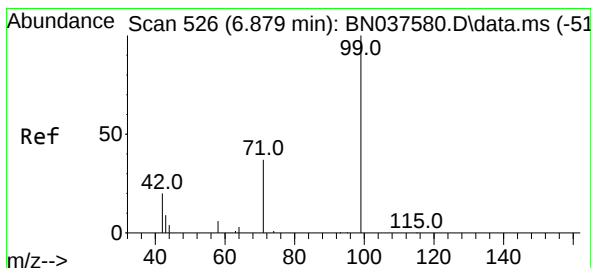
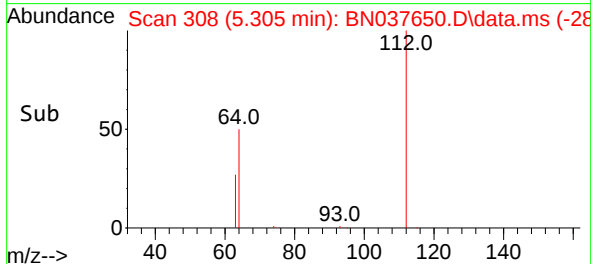
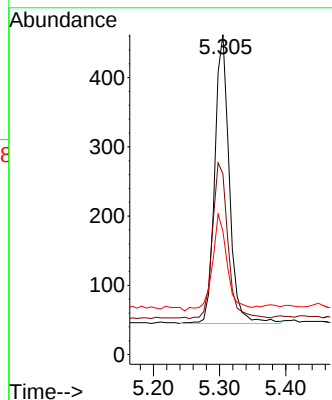
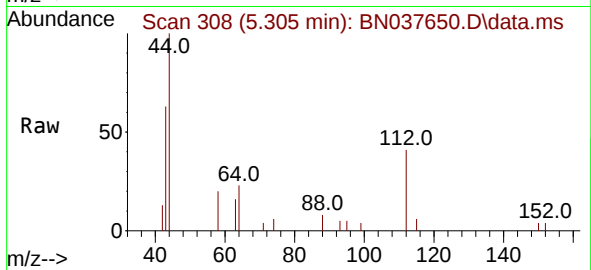




#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

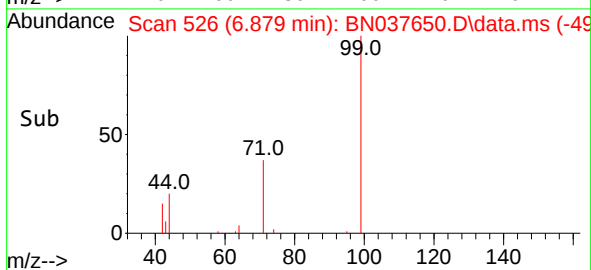
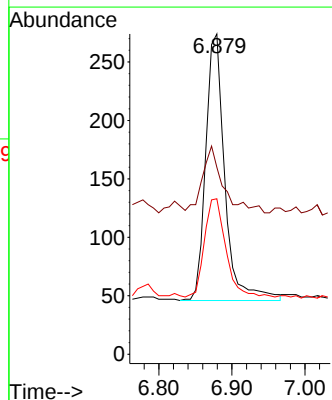
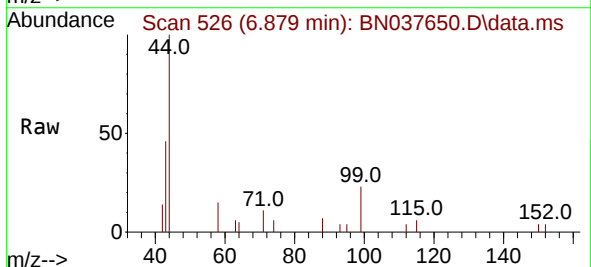
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821

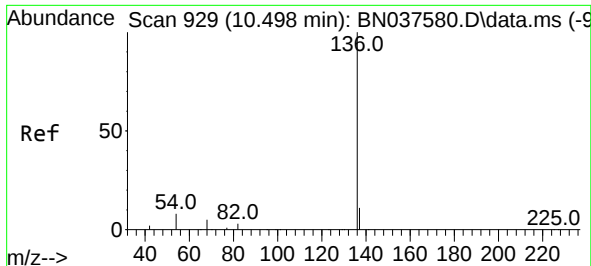
Tgt Ion:	112	Resp:	637
Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.9	67.3
63	34.5	23.4	35.2



#5
Phenol-d6
Concen: 0.072 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Tgt Ion:	99	Resp:	414
Ion	Ratio	Lower	Upper
99	100		
42	29.5	18.5	27.7#
71	42.0	28.6	42.8

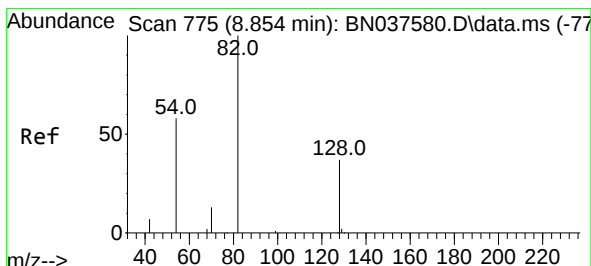
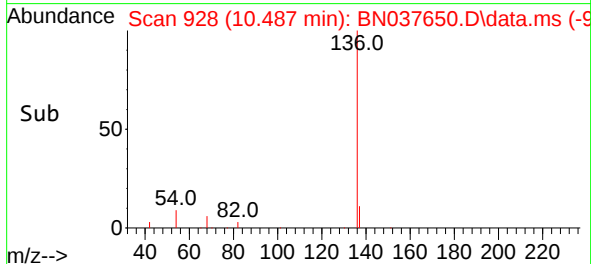
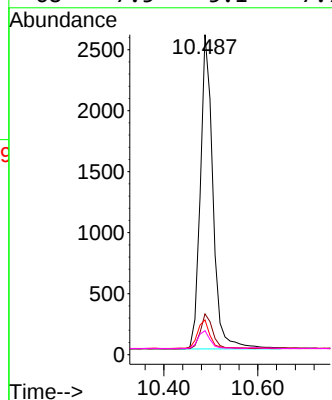
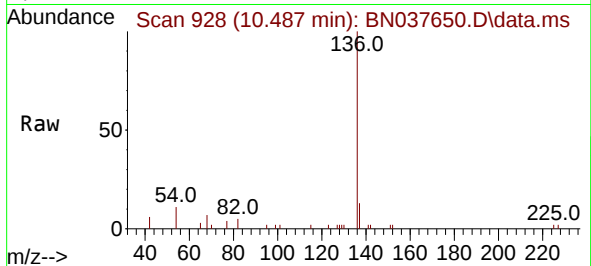




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.487 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

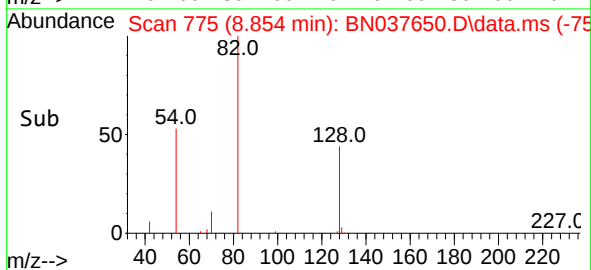
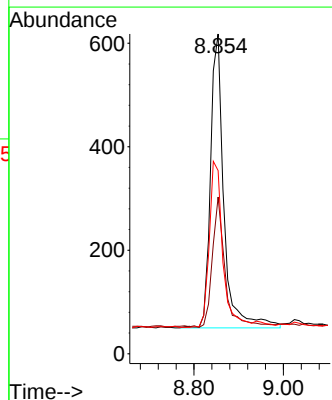
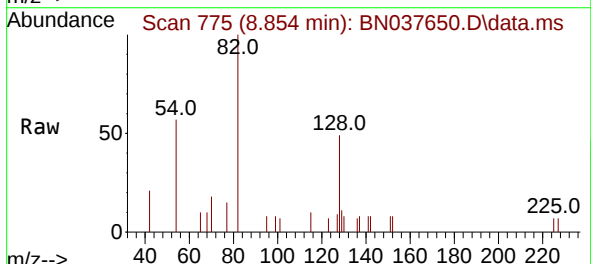
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821

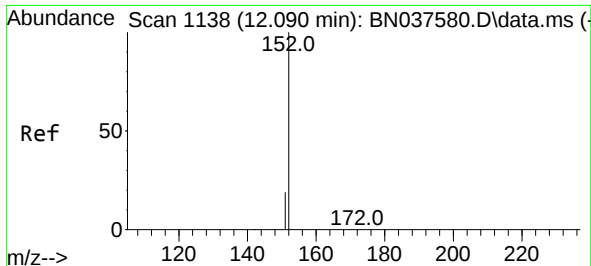
Tgt Ion:	136	Resp:	4814
Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.5	14.3
54	10.8	7.3	10.9
68	7.5	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.348 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Tgt Ion:	82	Resp:	1179
Ion	Ratio	Lower	Upper
82	100		
128	49.0	32.6	48.8#
54	57.3	48.9	73.3

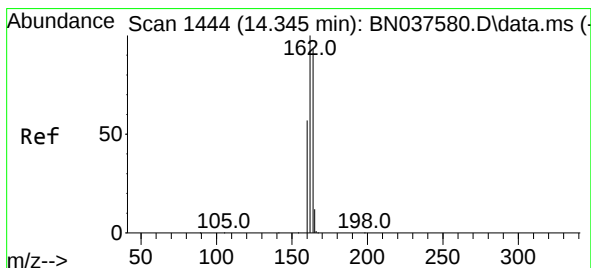
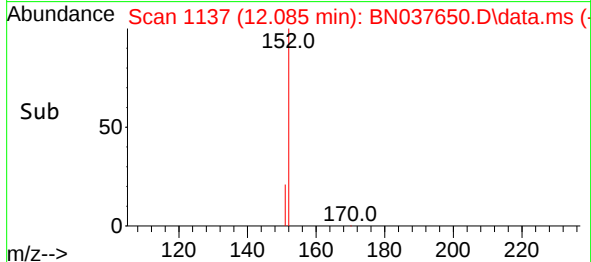
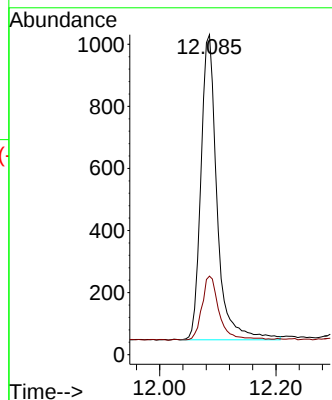
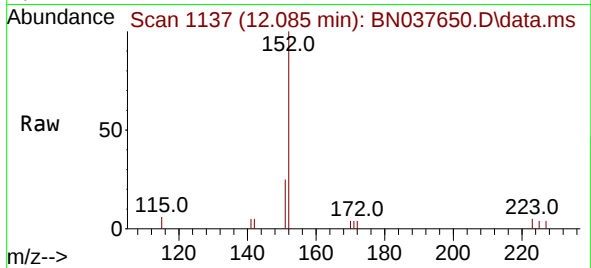




#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.085 min Scan# 1138
Delta R.T. -0.005 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

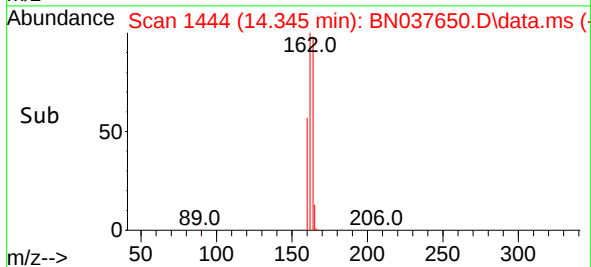
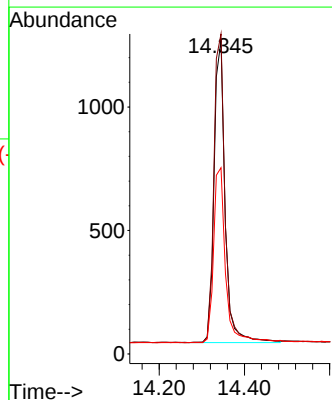
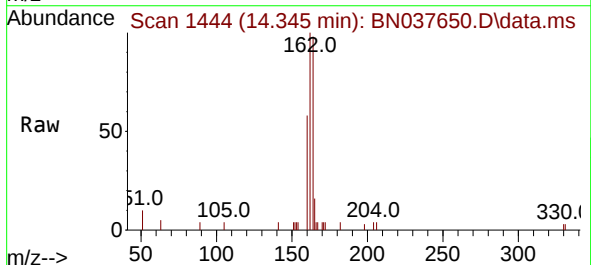
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821

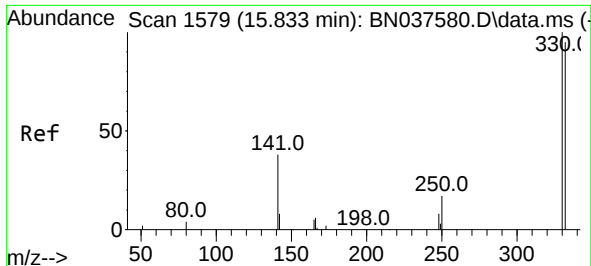
Tgt Ion:152 Resp: 1892
Ion Ratio Lower Upper
152 100
151 22.0 17.3 25.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Tgt Ion:164 Resp: 2198
Ion Ratio Lower Upper
164 100
162 102.0 85.5 128.3
160 59.3 49.5 74.3

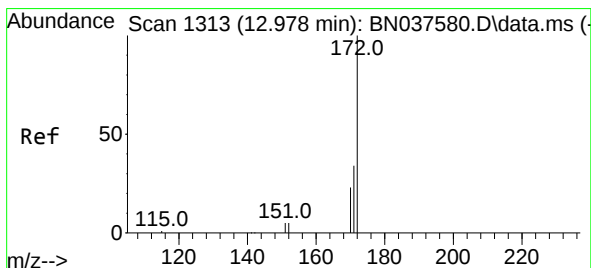
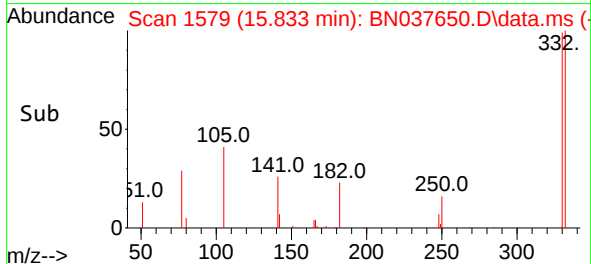
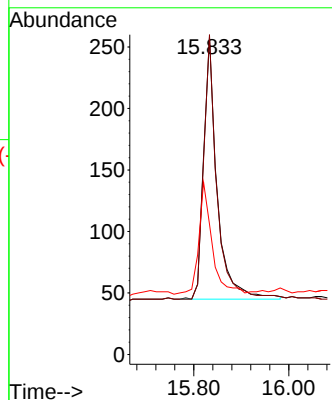
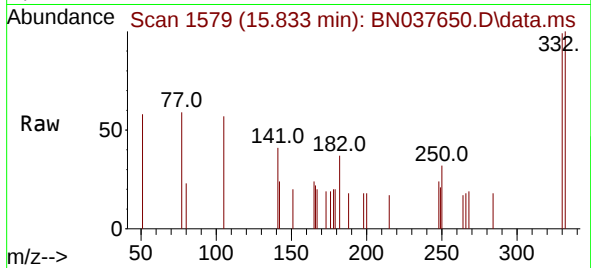




#14
2,4,6-Tribromophenol
Concen: 0.440 ng
RT: 15.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

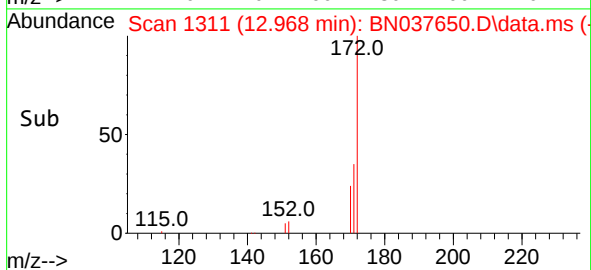
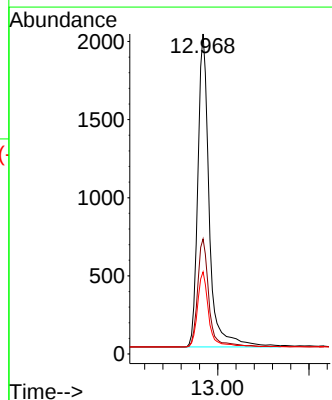
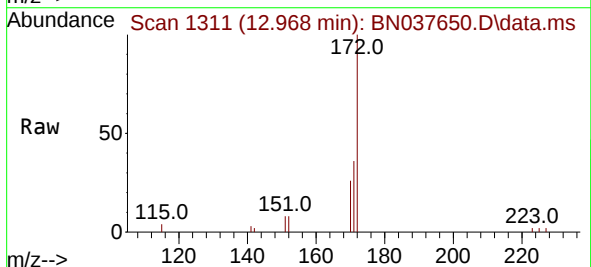
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BNA_N
ClientSampleId :
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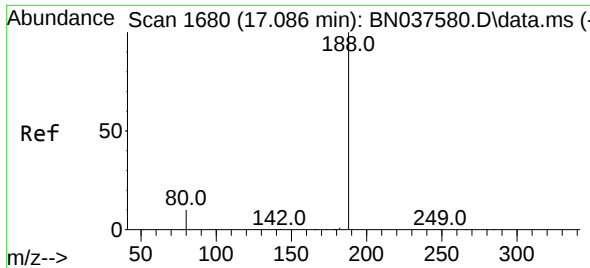
Tgt Ion:330 Resp: 423
Ion Ratio Lower Upper
330 100
332 98.3 77.4 116.0
141 41.8 30.9 46.3



#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 12.968 min Scan# 1311
Delta R.T. -0.010 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Tgt Ion:172 Resp: 4845
Ion Ratio Lower Upper
172 100
171 36.0 28.2 42.4
170 25.7 19.2 28.8

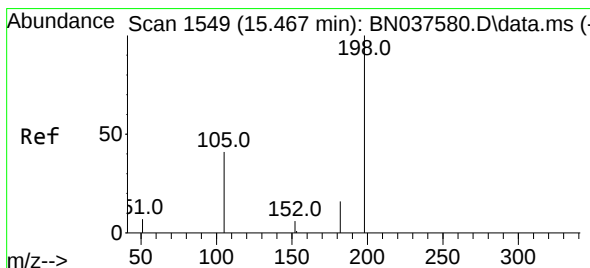
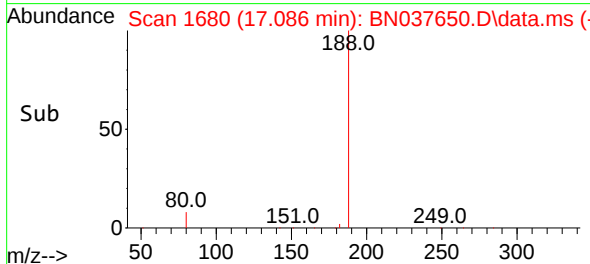
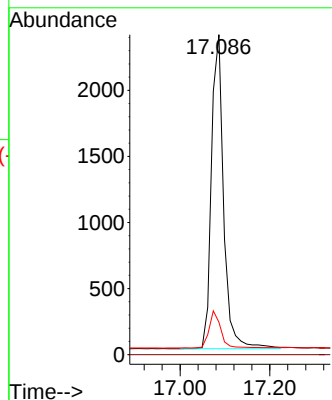
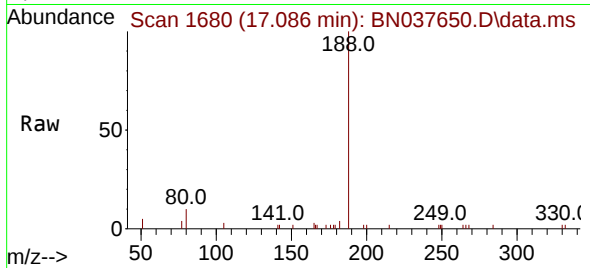




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

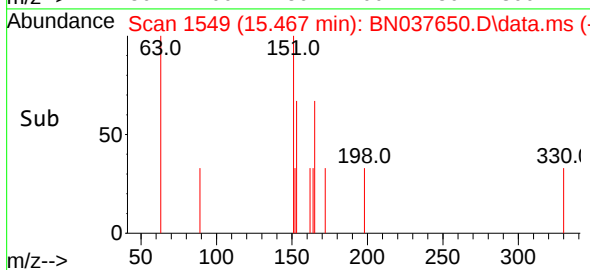
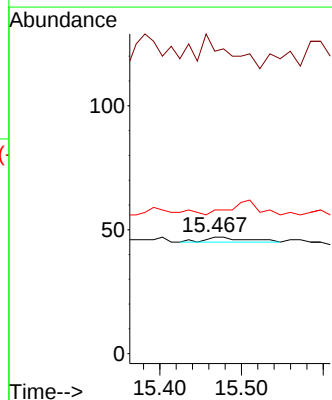
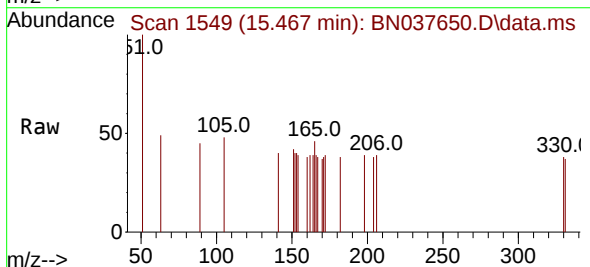
Instrument :
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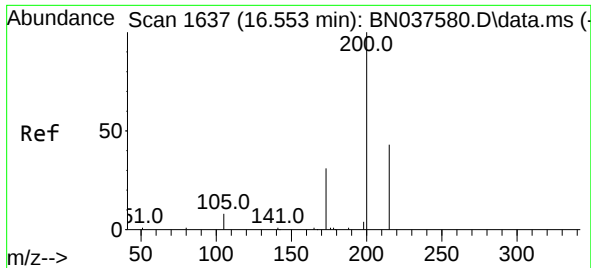
Tgt Ion:188 Resp: 4468
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.1 9.1 13.7



#20
4,6-Dinitro-2-methylphenol
Concen: 0.189 ng
RT: 15.467 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Tgt Ion:198 Resp: 7
Ion Ratio Lower Upper
198 100
51 259.6 81.0 121.6#
105 123.4 52.5 78.7#

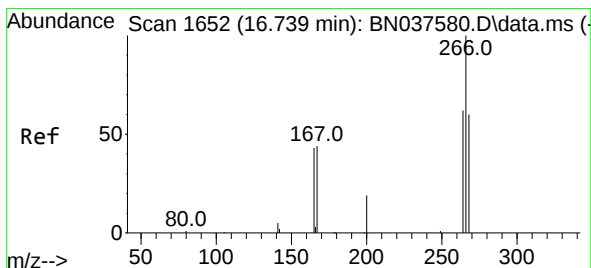
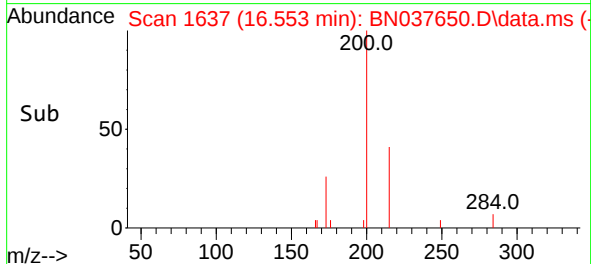
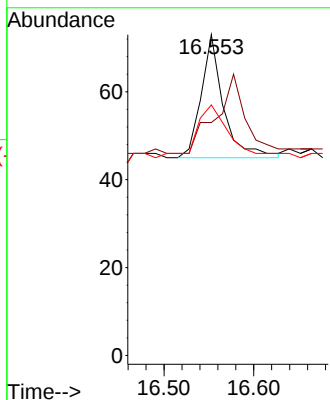
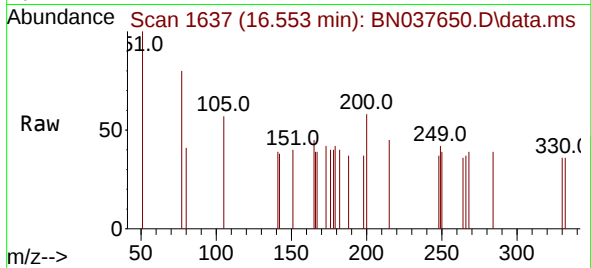




#23
 Atrazine
 Concen: 0.030 ng
 RT: 16.553 min Scan# 1637
 Delta R.T. -0.000 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42

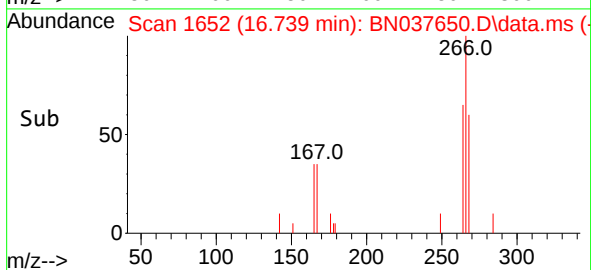
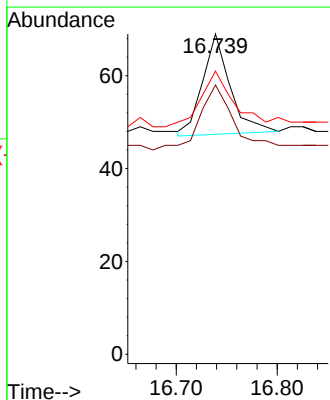
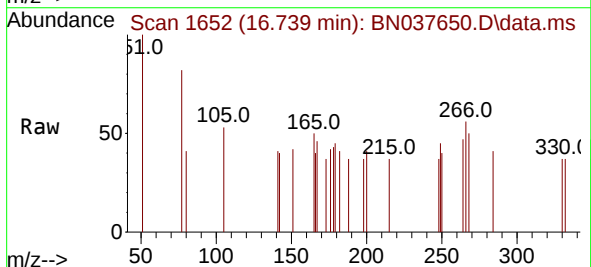
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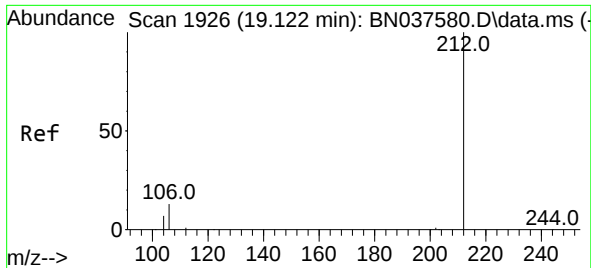
Tgt Ion:200 Resp: 48
 Ion Ratio Lower Upper
 200 100
 173 72.6 31.0 46.4#
 215 78.1 39.4 59.0#



#24
 Pentachlorophenol
 Concen: 0.029 ng
 RT: 16.739 min Scan# 1652
 Delta R.T. -0.000 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42

Tgt Ion:266 Resp: 41
 Ion Ratio Lower Upper
 266 100
 264 82.9 49.6 74.4#
 268 75.6 49.2 73.8#

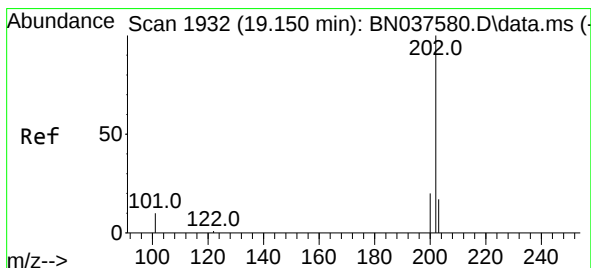
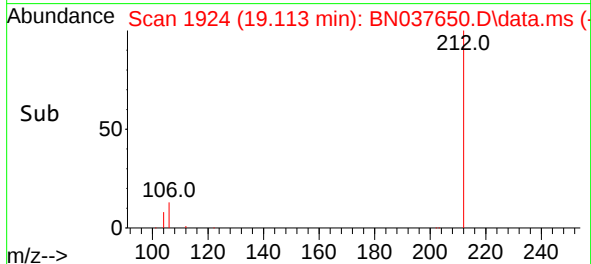
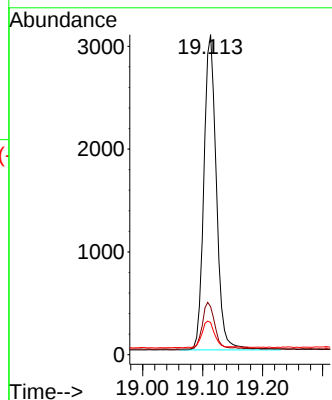
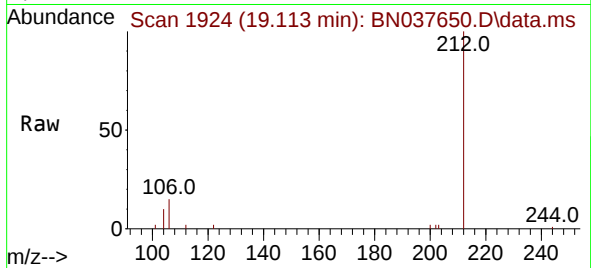




#27
Fluoranthene-d10
Concen: 0.377 ng
RT: 19.113 min Scan# 1910
Delta R.T. -0.009 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

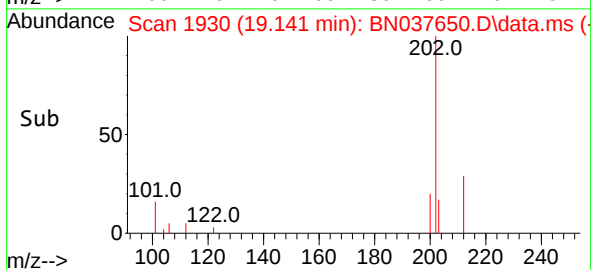
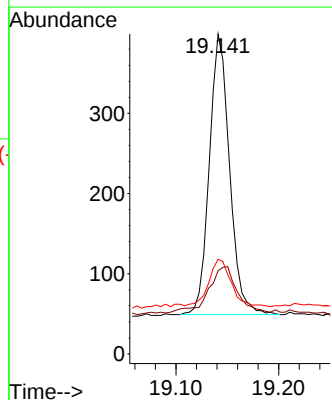
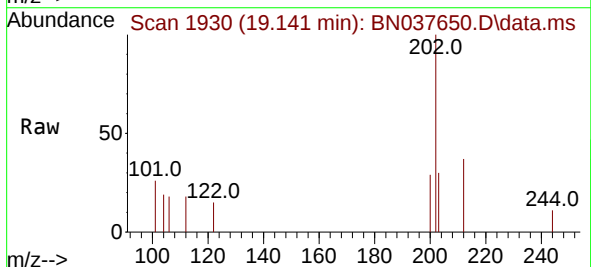
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821

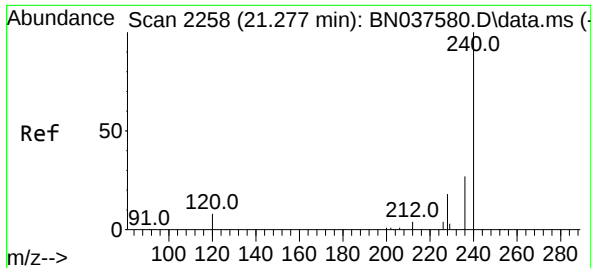
Tgt Ion:212 Resp: 4436
Ion Ratio Lower Upper
212 100
106 15.3 11.5 17.3
104 8.6 6.6 9.8



#28
Fluoranthene
Concen: 0.031 ng
RT: 19.141 min Scan# 1930
Delta R.T. -0.009 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Tgt Ion:202 Resp: 479
Ion Ratio Lower Upper
202 100
101 24.0 9.0 13.6#
203 19.2 13.8 20.8

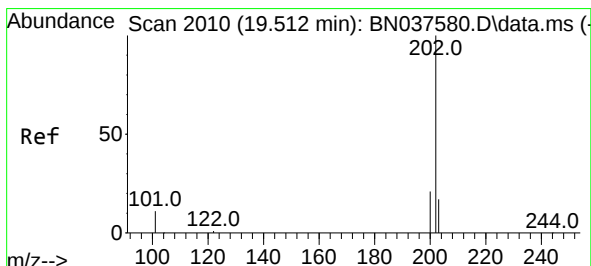
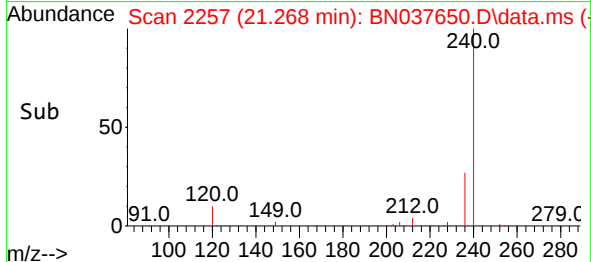
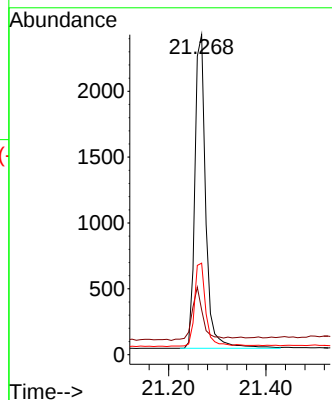
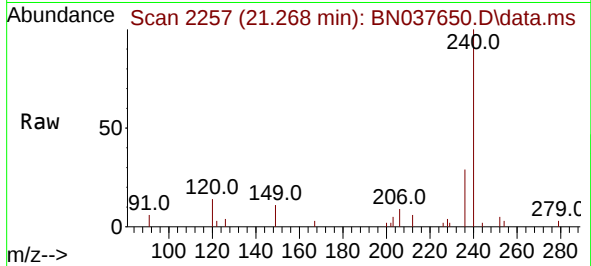




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

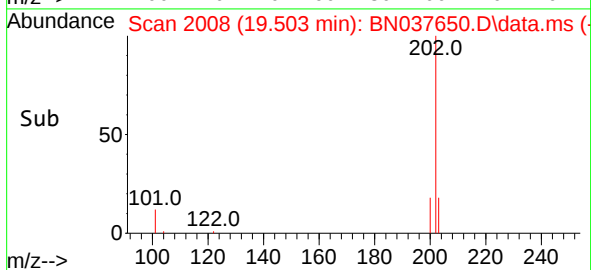
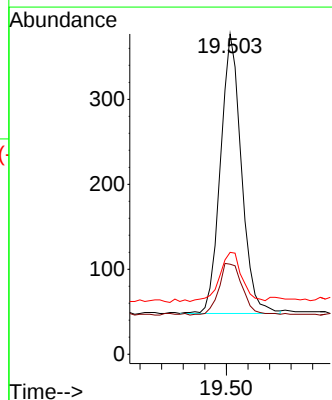
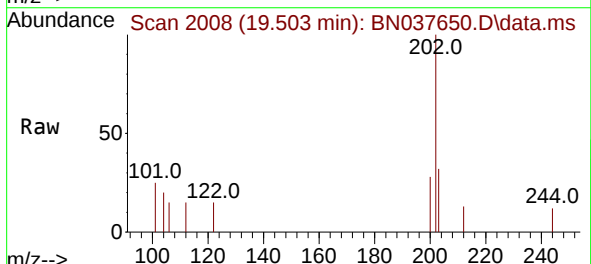
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821

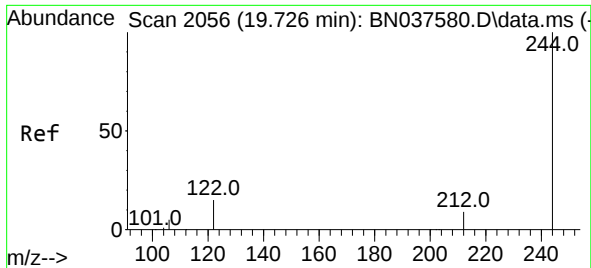
Tgt Ion:240 Resp: 3707
Ion Ratio Lower Upper
240 100
120 14.0 8.9 13.3#
236 28.6 22.6 33.8



#30
Pyrene
Concen: 0.032 ng
RT: 19.503 min Scan# 2008
Delta R.T. -0.009 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Tgt Ion:202 Resp: 443
Ion Ratio Lower Upper
202 100
200 21.4 16.6 25.0
203 18.7 14.3 21.5

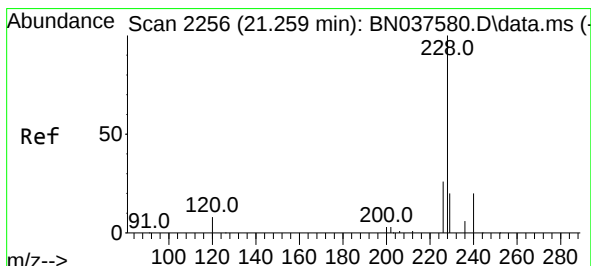
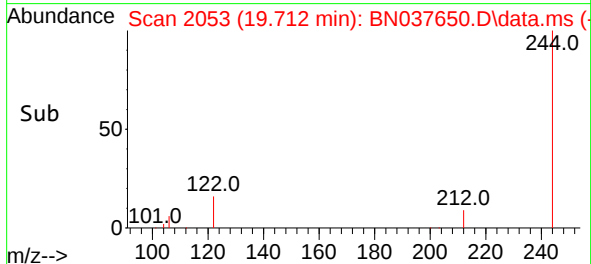
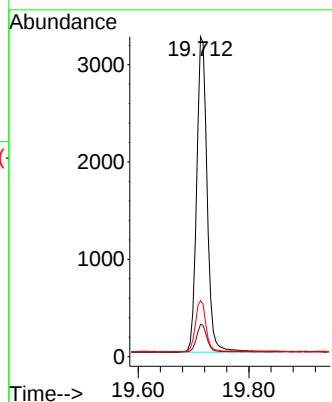
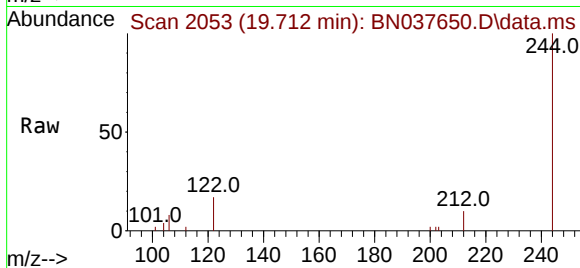




#31
 Terphenyl-d14
 Concen: 0.561 ng
 RT: 19.712 min Scan# 2053
 Delta R.T. -0.014 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42

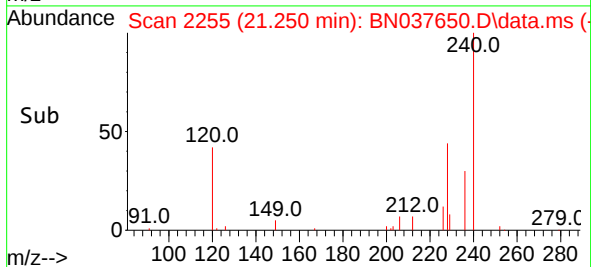
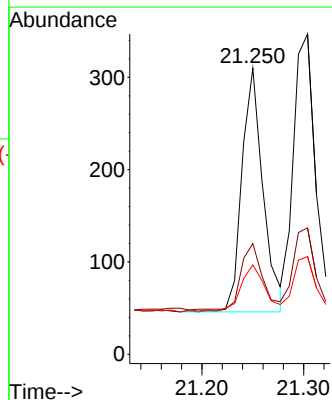
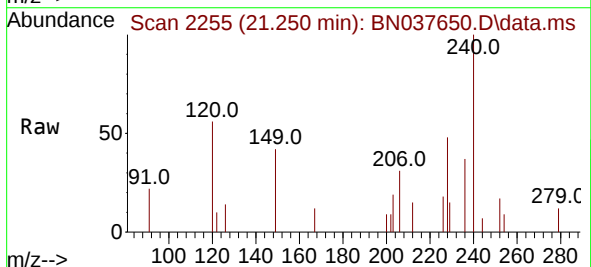
Instrument :
 BNA_N
 ClientSampleId :
 RW8-SP100-20250821

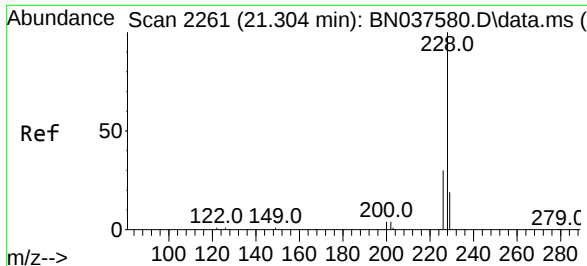
Tgt Ion:244 Resp: 4277
 Ion Ratio Lower Upper
 244 100
 212 10.1 8.2 12.2
 122 17.5 13.2 19.8



#32
 Benzo(a)anthracene
 Concen: 0.031 ng
 RT: 21.250 min Scan# 2255
 Delta R.T. -0.009 min
 Lab File: BN037650.D
 Acq: 28 Aug 2025 10:42

Tgt Ion:228 Resp: 380
 Ion Ratio Lower Upper
 228 100
 226 38.7 21.5 32.3#
 229 31.3 16.5 24.7#





#33

Chrysene

Concen: 0.035 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037650.D

Acq: 28 Aug 2025 10:42

Instrument :

BNA_N

ClientSampleId :

RW8-SP100-20250821

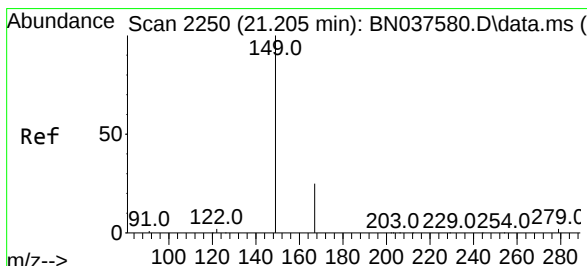
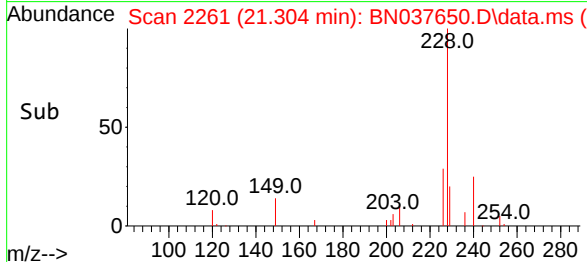
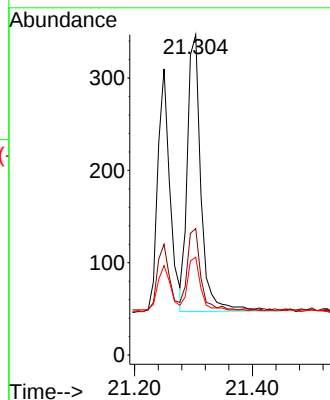
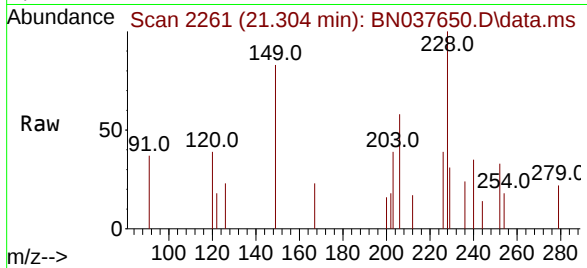
Tgt Ion:228 Resp: 480

Ion Ratio Lower Upper

228 100

226 39.5 24.9 37.3#

229 30.5 15.8 23.8#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.094 ng

RT: 21.196 min Scan# 2249

Delta R.T. -0.009 min

Lab File: BN037650.D

Acq: 28 Aug 2025 10:42

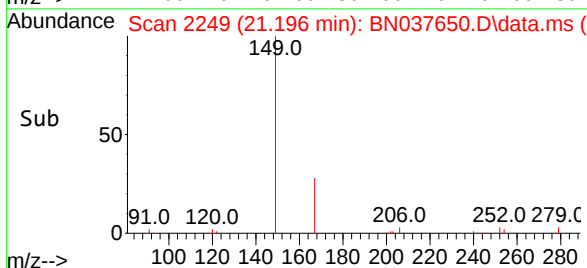
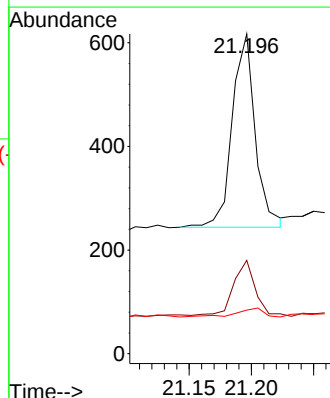
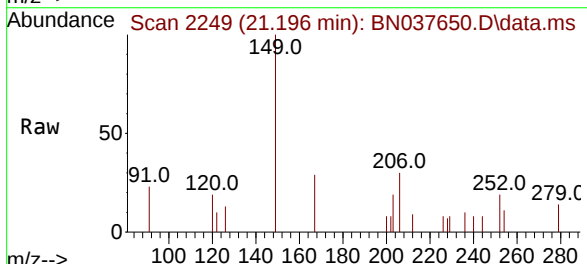
Tgt Ion:149 Resp: 479

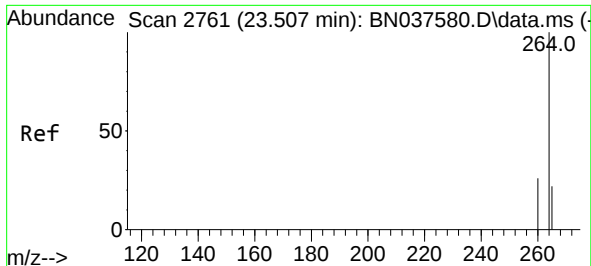
Ion Ratio Lower Upper

149 100

167 27.8 20.5 30.7

279 5.2 2.6 4.0#

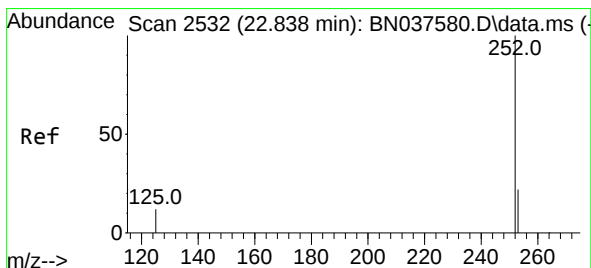
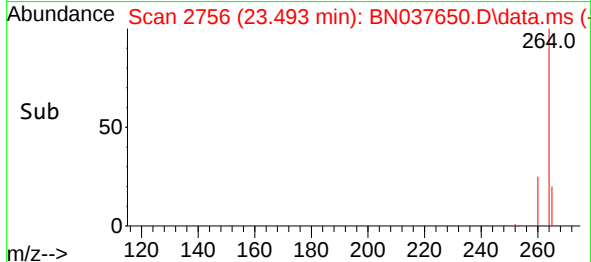
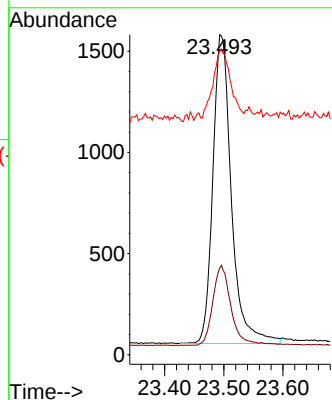
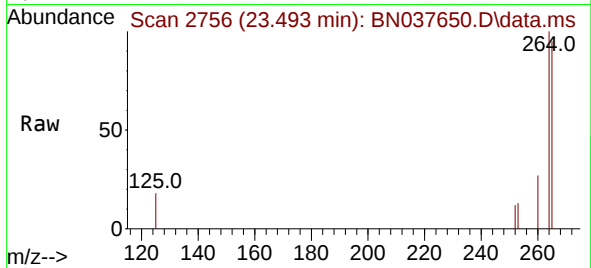




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.493 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

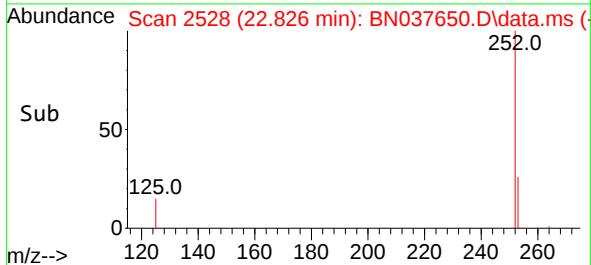
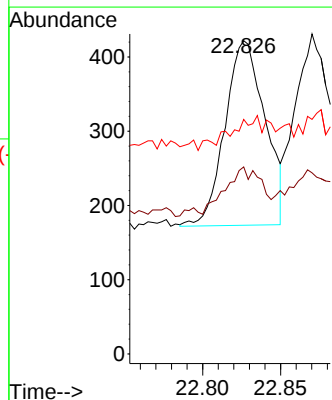
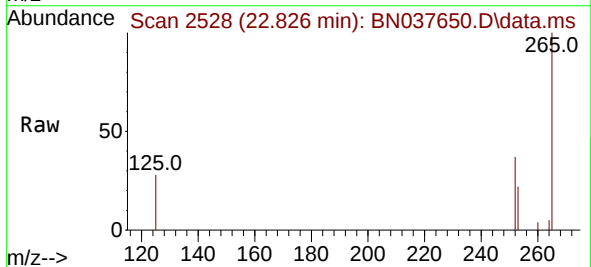
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821

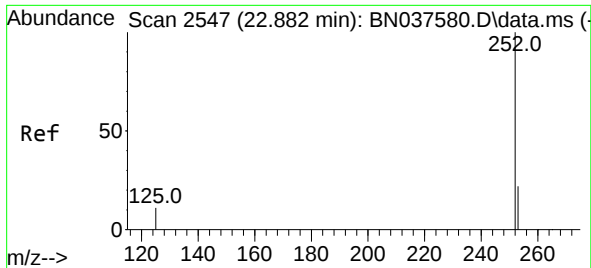
Tgt Ion:264 Resp: 3325
Ion Ratio Lower Upper
264 100
260 27.1 21.6 32.4
265 94.7 48.2 72.4#



#37
Benzo(b)fluoranthene
Concen: 0.035 ng
RT: 22.826 min Scan# 2528
Delta R.T. -0.012 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Tgt Ion:252 Resp: 445
Ion Ratio Lower Upper
252 100
253 59.7 20.0 30.0#
125 74.9 13.8 20.6#

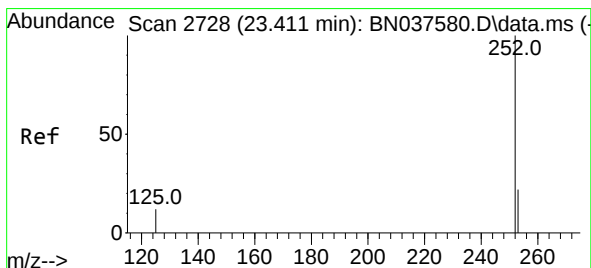
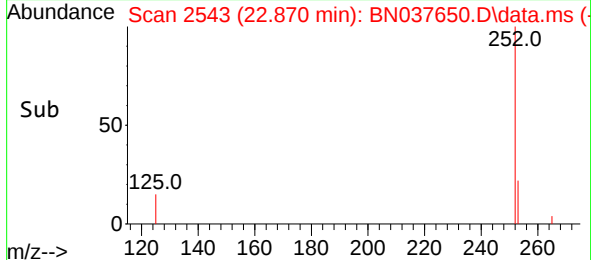
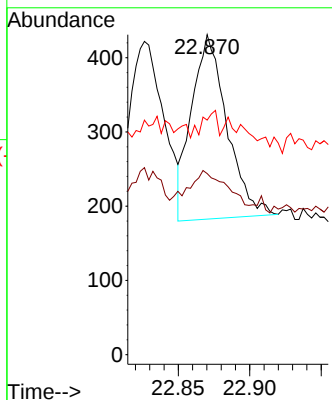
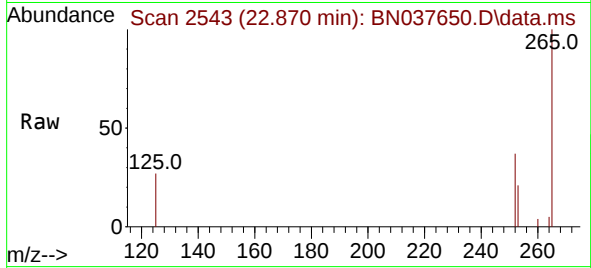




#38
Benzo(k)fluoranthene
Concen: 0.030 ng
RT: 22.870 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

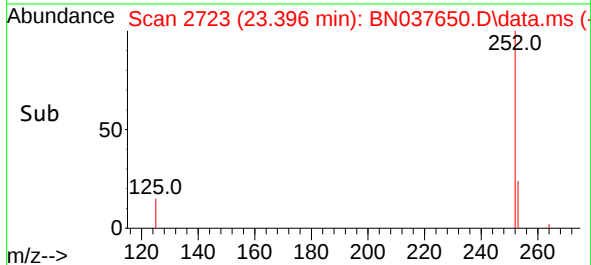
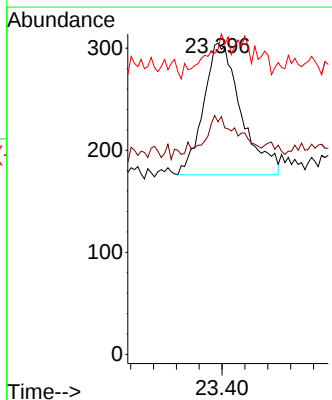
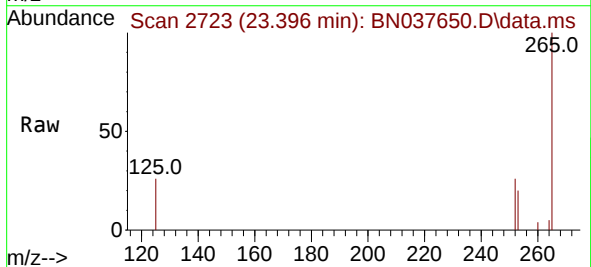
Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821

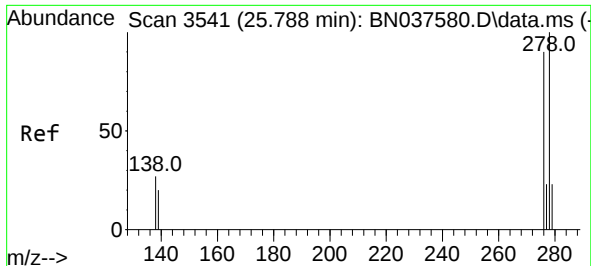
Tgt Ion:252 Resp: 427
Ion Ratio Lower Upper
252 100
253 56.6 19.9 29.9#
125 73.3 15.0 22.6#



#39
Benzo(a)pyrene
Concen: 0.028 ng
RT: 23.396 min Scan# 2723
Delta R.T. -0.014 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

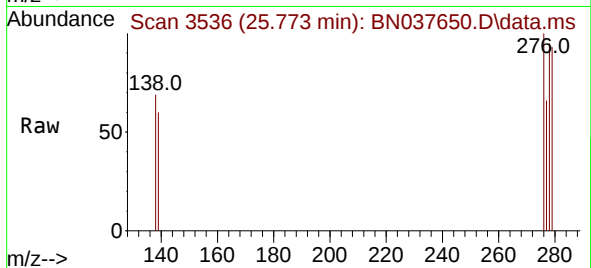
Tgt Ion:252 Resp: 295
Ion Ratio Lower Upper
252 100
253 74.8 21.6 32.4#
125 98.0 16.8 25.2#



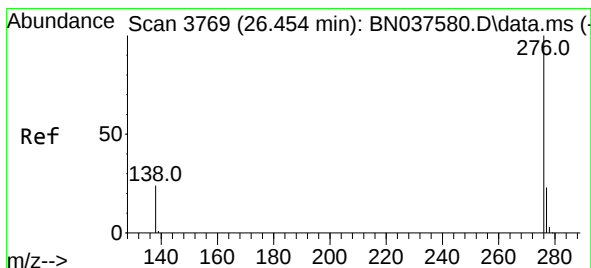
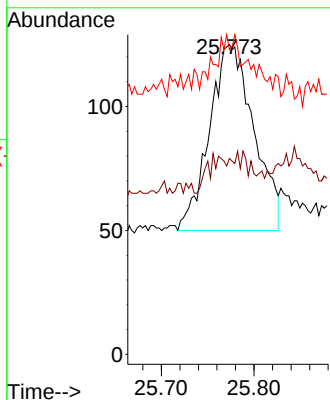
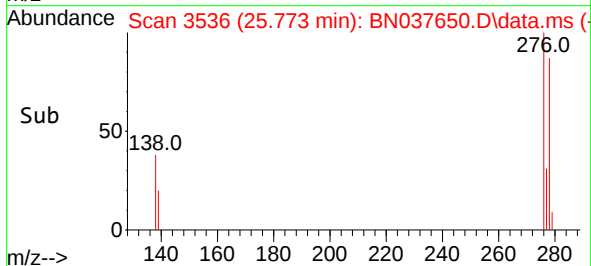


#40
Dibenzo(a,h)anthracene
Concen: 0.023 ng
RT: 25.773 min Scan# 31
Delta R.T. -0.014 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Instrument :
BNA_N
ClientSampleId :
RW8-SP100-20250821



Tgt Ion:278 Resp: 251
Ion Ratio Lower Upper
278 100
139 63.2 18.3 27.5#
279 98.4 22.5 33.7#



#41
Benzo(g,h,i)perylene
Concen: 0.027 ng
RT: 26.440 min Scan# 3764
Delta R.T. -0.014 min
Lab File: BN037650.D
Acq: 28 Aug 2025 10:42

Tgt Ion:276 Resp: 311
Ion Ratio Lower Upper
276 100
277 57.6 21.0 31.4#
138 59.7 21.7 32.5#

