

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082025\
 Data File : BN037639.D
 Acq On : 20 Aug 2025 20:34
 Operator : RC/JU
 Sample : Q2885-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20250814

Quant Time: Aug 21 04:58:09 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)

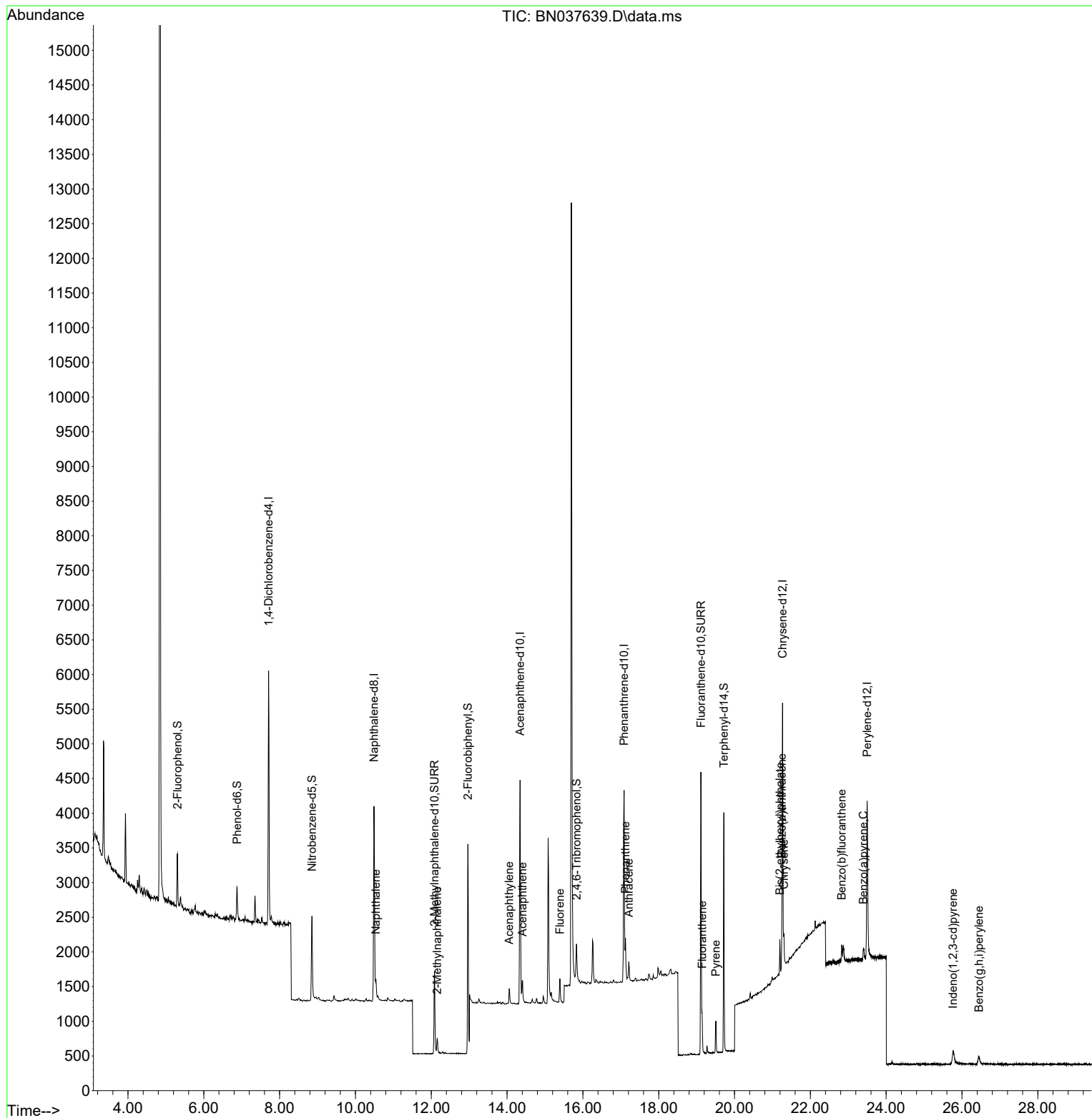
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	1820	0.400	ng	0.00
7) Naphthalene-d8	10.487	136	4111	0.400	ng	#-0.01
13) Acenaphthene-d10	14.345	164	1992	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	4379	0.400	ng	0.00
29) Chrysene-d12	21.268	240	3682	0.400	ng	# 0.00
35) Perylene-d12	23.499	264	3234	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	640	0.155	ng	0.00
5) Phenol-d6	6.879	99	442	0.089	ng	0.00
8) Nitrobenzene-d5	8.854	82	1117	0.386	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	1779	0.318	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	349	0.400	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	4173	0.362	ng	0.00
27) Fluoranthene-d10	19.113	212	4575	0.397	ng	0.00
31) Terphenyl-d14	19.717	244	3258	0.430	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.541	128	337	0.031	ng	# 57
12) 2-Methylnaphthalene	12.156	142	160	0.023	ng	# 83
16) Acenaphthylene	14.056	152	291	0.033	ng	96
17) Acenaphthene	14.409	154	160	0.026	ng	93
18) Fluorene	15.392	166	239	0.030	ng	# 95
25) Phenanthrene	17.124	178	614	0.046	ng	95
26) Anthracene	17.211	178	332	0.028	ng	97
28) Fluoranthene	19.146	202	439	0.029	ng	# 92
30) Pyrene	19.508	202	427	0.031	ng	98
32) Benzo(a)anthracene	21.250	228	319	0.026	ng	# 75
33) Chrysene	21.304	228	350	0.026	ng	# 77
34) Bis(2-ethylhexyl)phtha...	21.196	149	456	0.090	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.759	276	286	0.021	ng	# 64
37) Benzo(b)fluoranthene	22.829	252	298	0.024	ng	# 1
39) Benzo(a)pyrene	23.399	252	249	0.024	ng	# 1
41) Benzo(g,h,i)perylene	26.449	276	248	0.022	ng	# 27

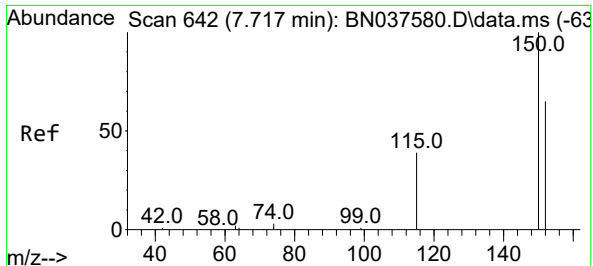
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082025\
Data File : BN037639.D
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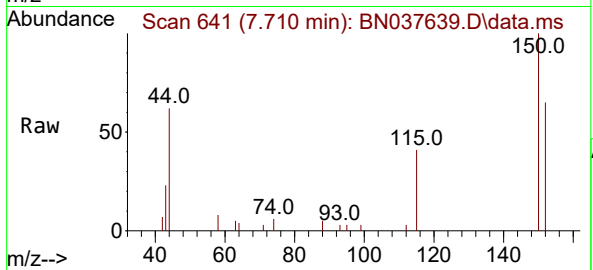
Quant Time: Aug 21 04:58:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



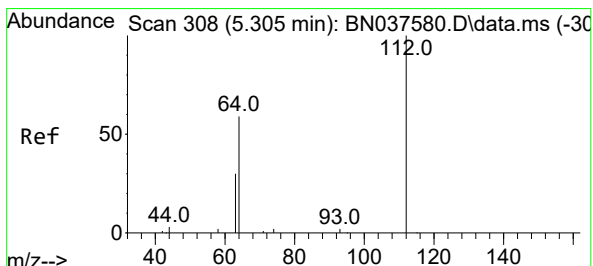
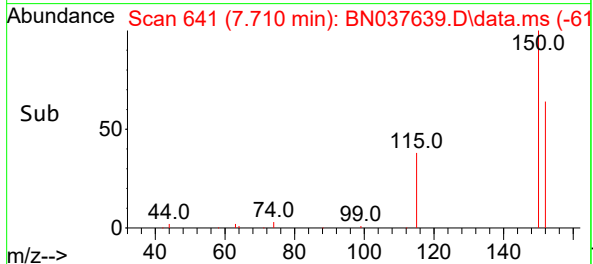
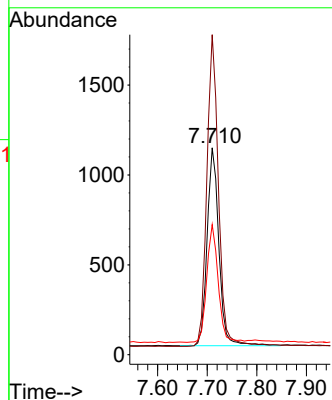


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 641
Delta R.T. -0.007 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

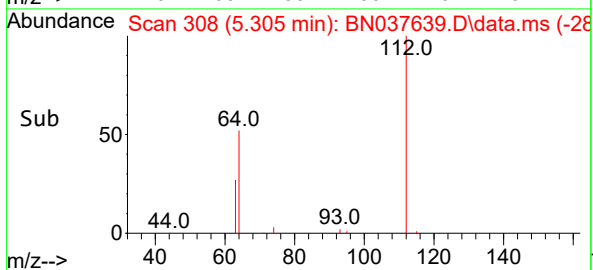
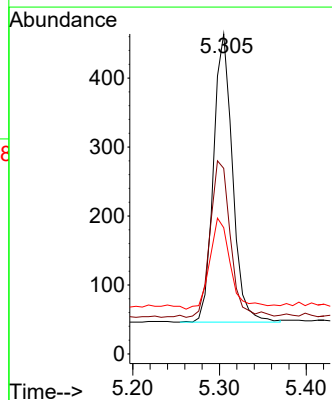
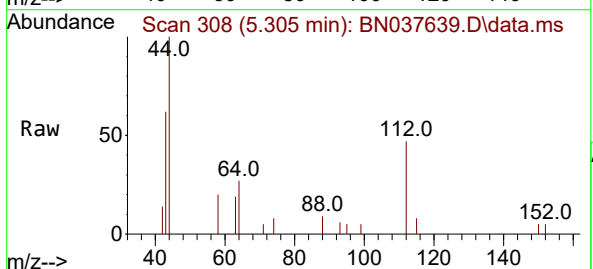


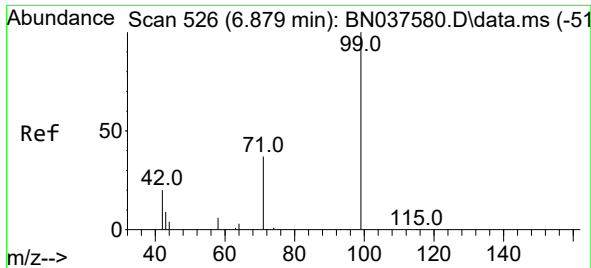
Tgt Ion:152 Resp: 1820
Ion Ratio Lower Upper
152 100
150 154.6 122.2 183.4
115 62.9 49.8 74.6



#4
2-Fluorophenol
Concen: 0.155 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

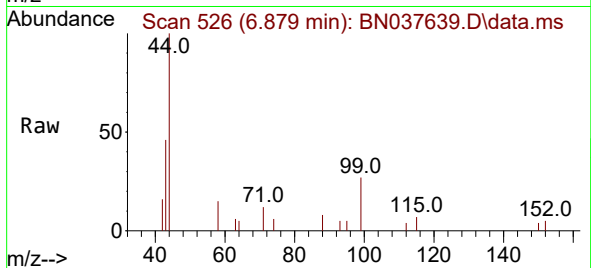
Tgt Ion:112 Resp: 640
Ion Ratio Lower Upper
112 100
64 58.1 44.9 67.3
63 34.2 23.4 35.2



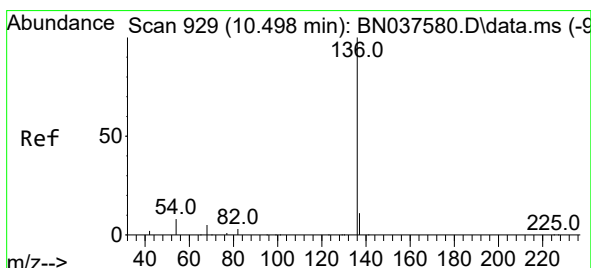
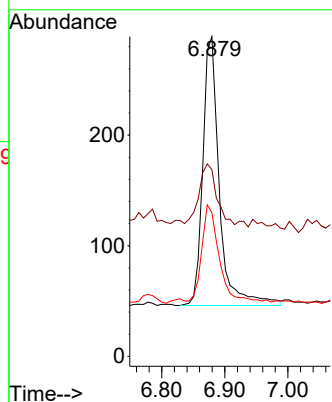
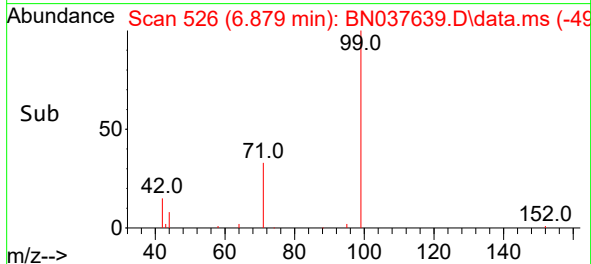


#5
Phenol-d6
Concen: 0.089 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

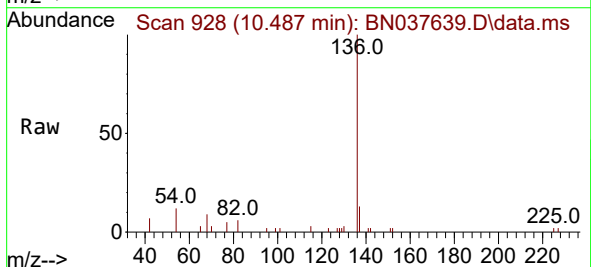
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814



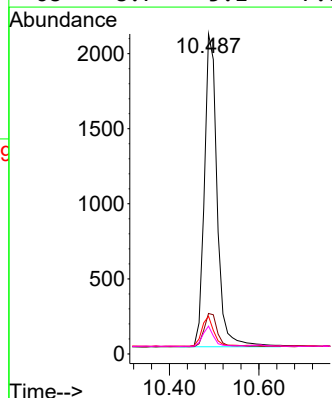
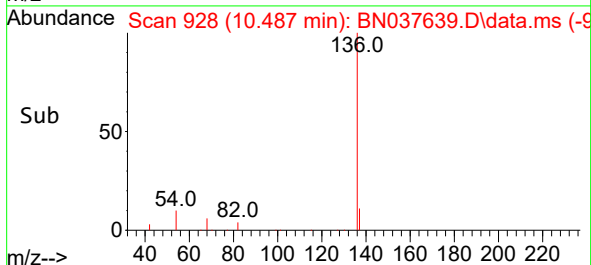
Tgt Ion: 99 Resp: 442
Ion Ratio Lower Upper
99 100
42 26.7 18.5 27.7
71 37.8 28.6 42.8

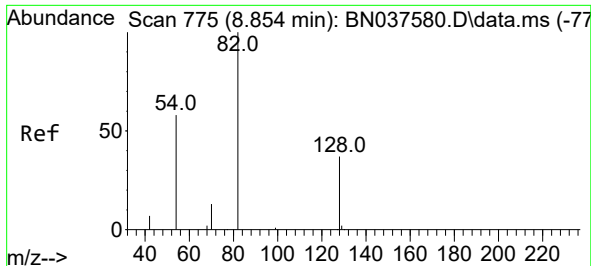


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.487 min Scan# 928
Delta R.T. -0.011 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34



Tgt Ion: 136 Resp: 4111
Ion Ratio Lower Upper
136 100
137 12.7 9.5 14.3
54 11.8 7.3 10.9#
68 8.7 5.1 7.7#

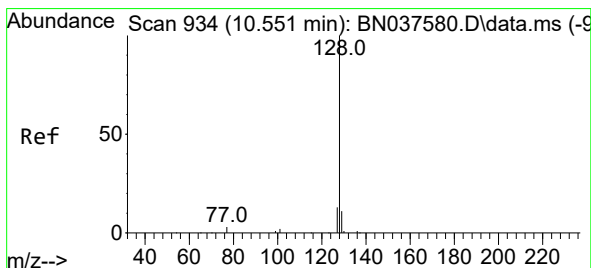
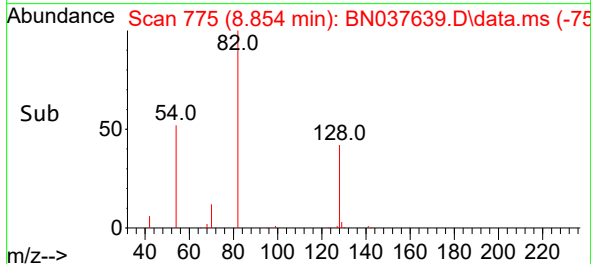
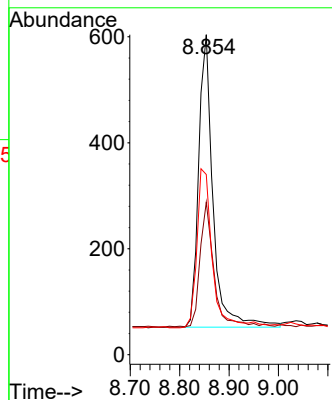
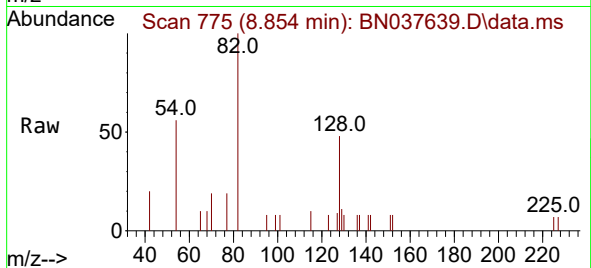




#8
Nitrobenzene-d5
Concen: 0.386 ng
RT: 8.854 min Scan# 711
Delta R.T. 0.000 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

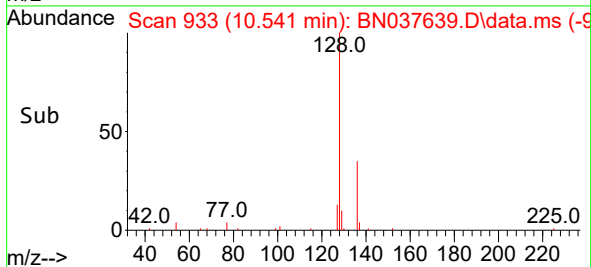
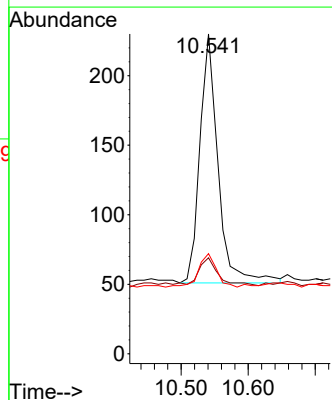
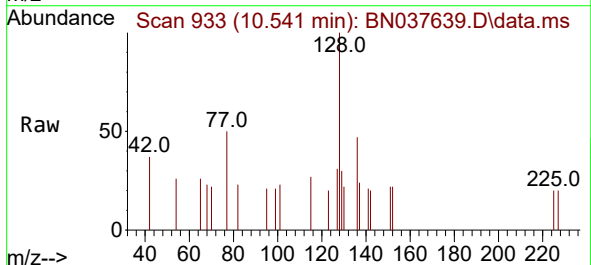
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

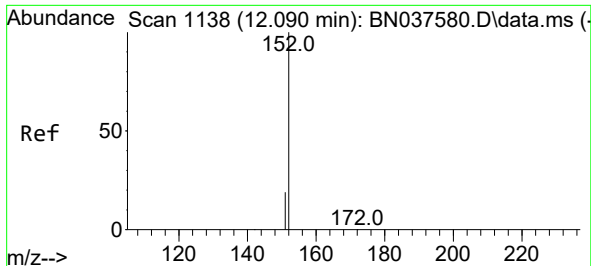
Tgt Ion: 82 Resp: 1117
Ion Ratio Lower Upper
82 100
128 47.7 32.6 48.8
54 56.3 48.9 73.3



#9
Naphthalene
Concen: 0.031 ng
RT: 10.541 min Scan# 933
Delta R.T. -0.011 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

Tgt Ion: 128 Resp: 337
Ion Ratio Lower Upper
128 100
129 30.0 9.8 14.6#
127 31.3 11.5 17.3#





#11

2-Methylnaphthalene-d10

Concen: 0.318 ng

RT: 12.085 min Scan# 1137

Delta R.T. -0.005 min

Lab File: BN037639.D

Acq: 20 Aug 2025 20:34

Instrument :

BNA_N

ClientSampleId :

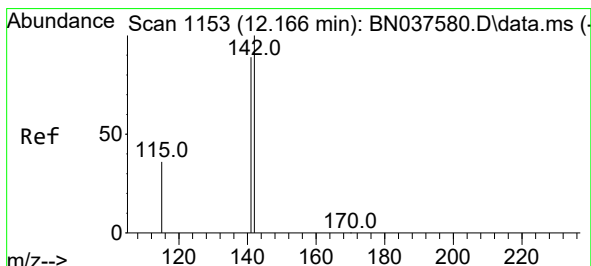
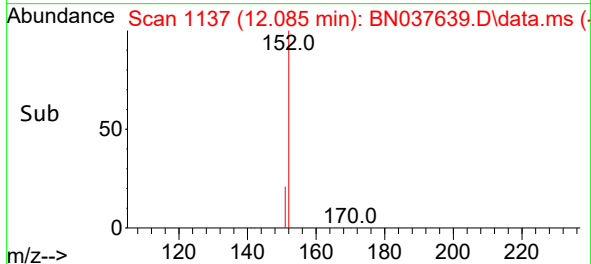
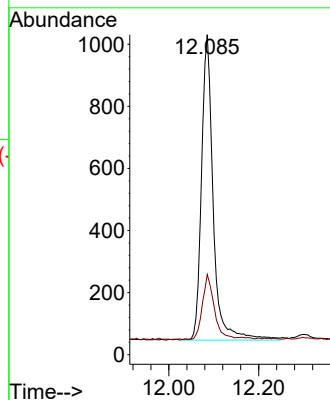
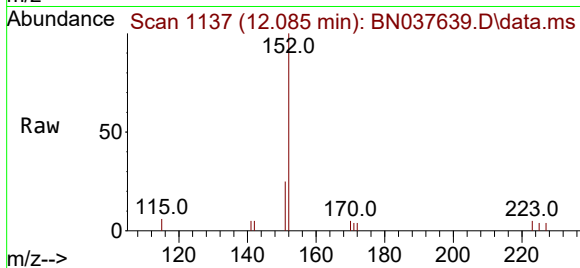
RW5-SP303-20250814

Tgt Ion:152 Resp: 1779

Ion Ratio Lower Upper

152 100

151 21.1 17.3 25.9



#12

2-Methylnaphthalene

Concen: 0.023 ng

RT: 12.156 min Scan# 1151

Delta R.T. -0.010 min

Lab File: BN037639.D

Acq: 20 Aug 2025 20:34

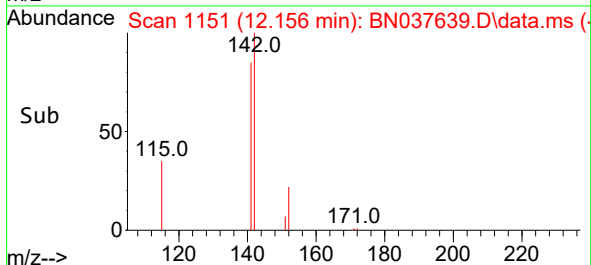
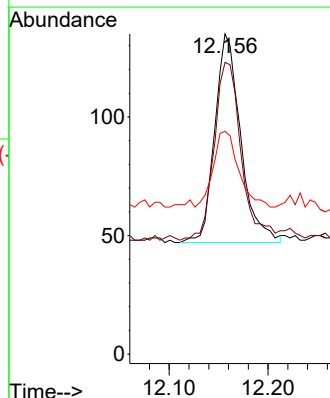
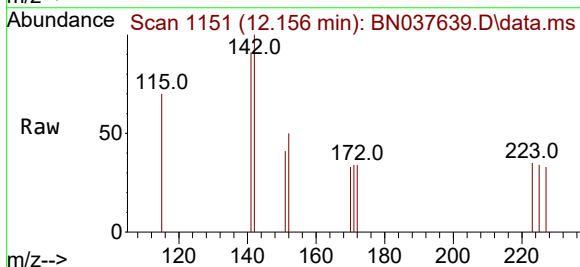
Tgt Ion:142 Resp: 160

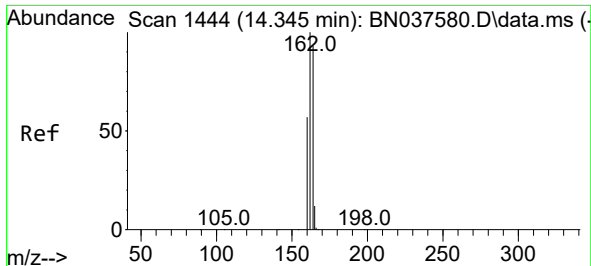
Ion Ratio Lower Upper

142 100

141 91.1 71.4 107.0

115 69.6 30.2 45.4#

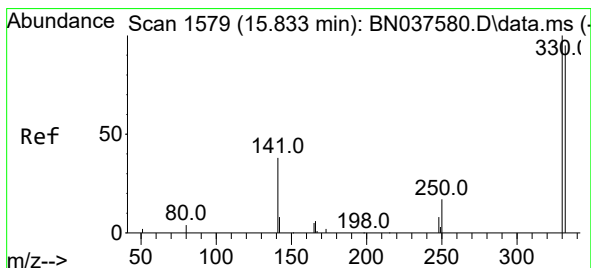
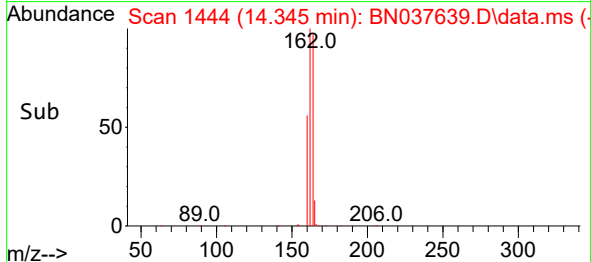
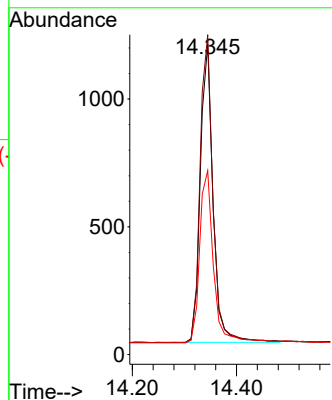
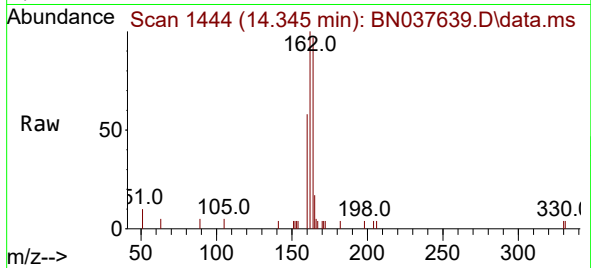




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

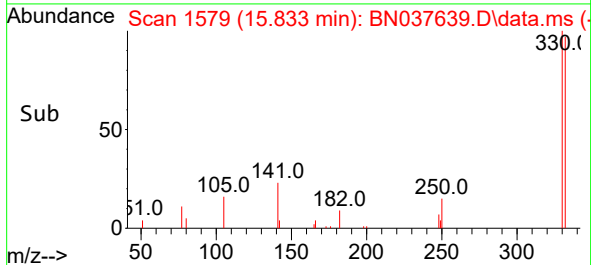
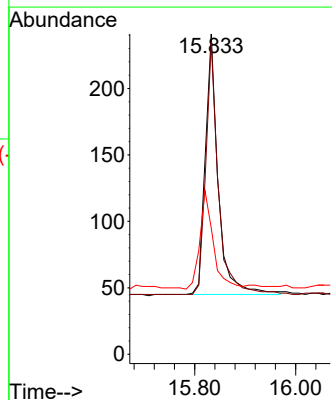
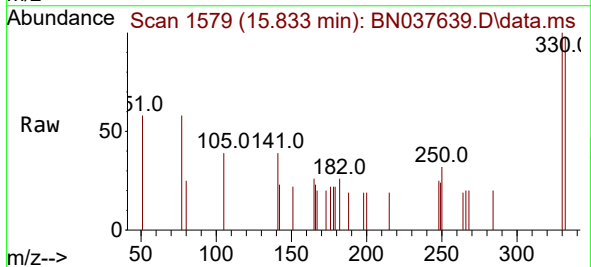
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

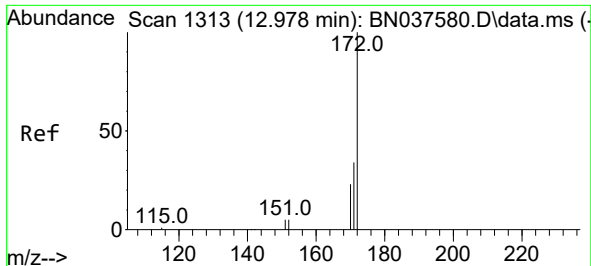
Tgt Ion:164 Resp: 1992
Ion Ratio Lower Upper
164 100
162 103.0 85.5 128.3
160 59.3 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 0.400 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

Tgt Ion:330 Resp: 349
Ion Ratio Lower Upper
330 100
332 94.0 77.4 116.0
141 37.5 30.9 46.3

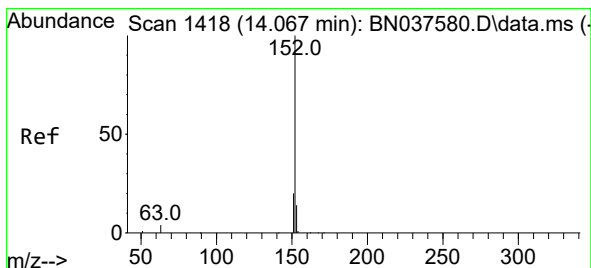
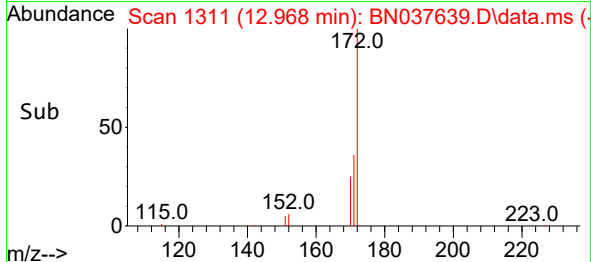
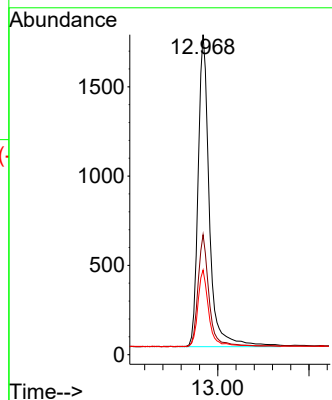
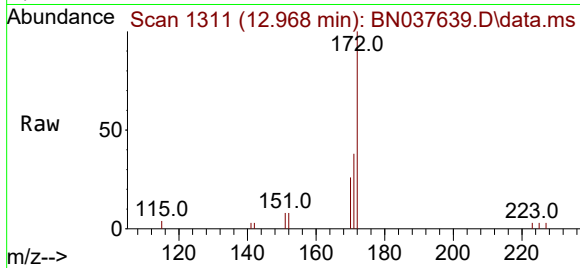




#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 12.968 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

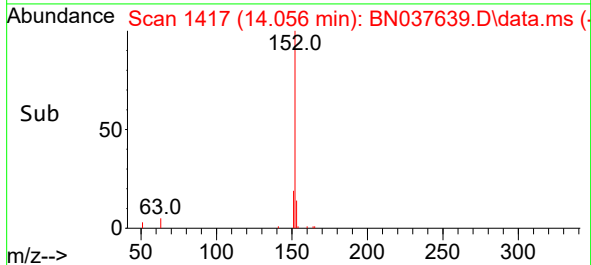
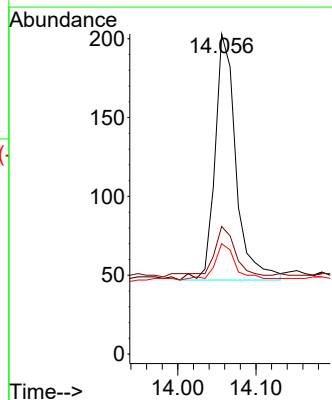
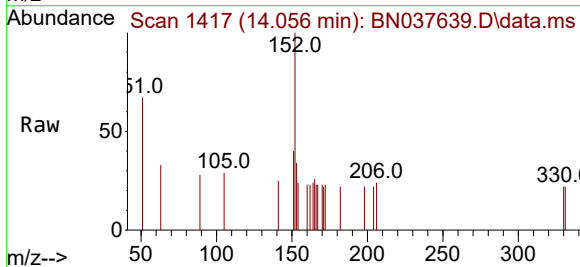
Instrument :
BNA_N
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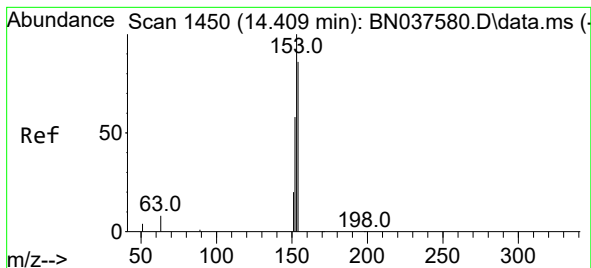
Tgt Ion:172	Resp:	4173
Ion	Ratio	Lower Upper
172	100	
171	37.5	28.2 42.4
170	26.5	19.2 28.8



#16
Acenaphthylene
Concen: 0.033 ng
RT: 14.056 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

Tgt Ion:152	Resp:	291
Ion	Ratio	Lower Upper
152	100	
151	18.2	16.1 24.1
153	14.8	10.7 16.1





#17

Acenaphthene

Concen: 0.026 ng

RT: 14.409 min Scan# 1450

Delta R.T. 0.000 min

Lab File: BN037639.D

Acq: 20 Aug 2025 20:34

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250814

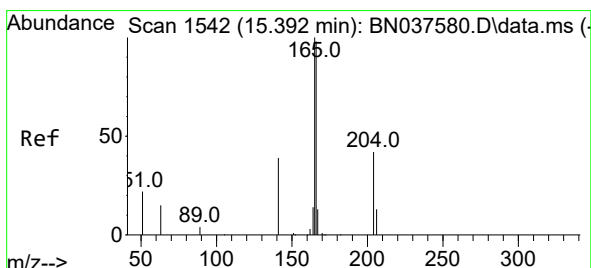
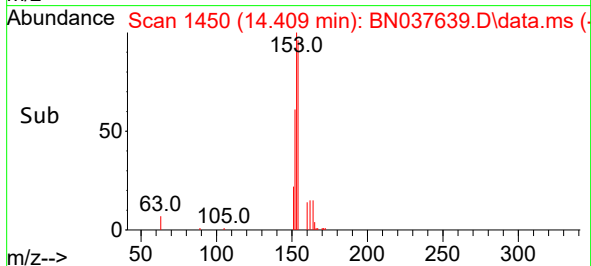
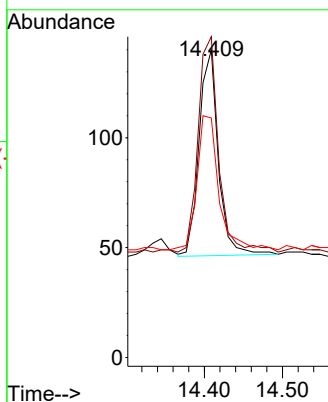
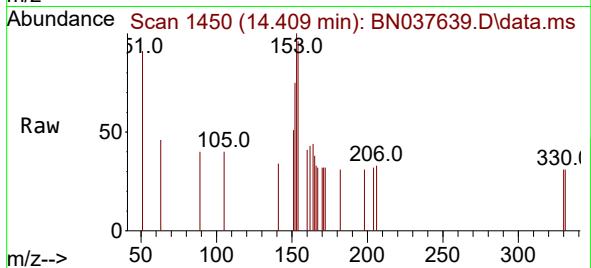
Tgt Ion:154 Resp: 160

Ion Ratio Lower Upper

154 100

153 121.2 90.6 135.8

152 73.8 54.9 82.3



#18

Fluorene

Concen: 0.030 ng

RT: 15.392 min Scan# 1542

Delta R.T. 0.000 min

Lab File: BN037639.D

Acq: 20 Aug 2025 20:34

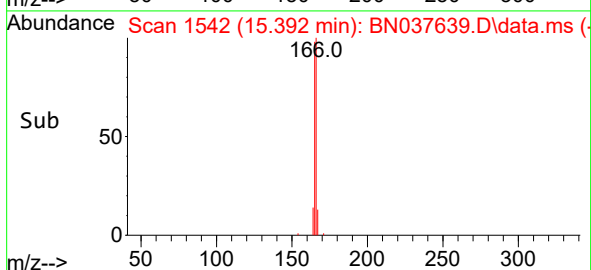
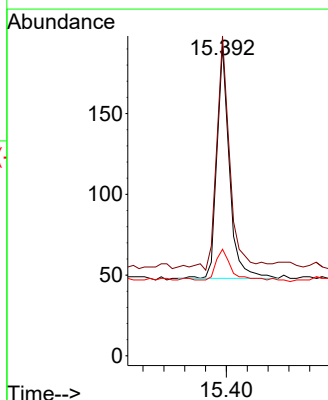
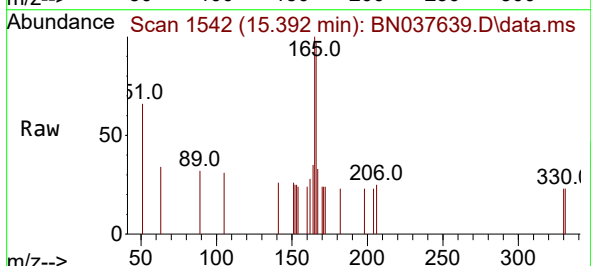
Tgt Ion:166 Resp: 239

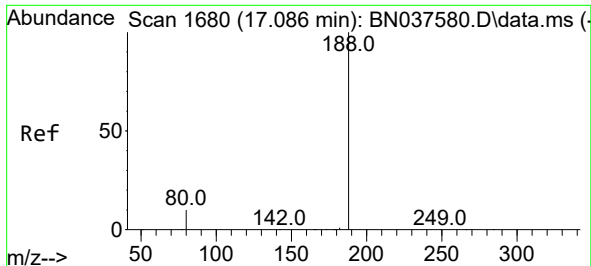
Ion Ratio Lower Upper

166 100

165 102.5 78.9 118.3

167 19.7 10.7 16.1#

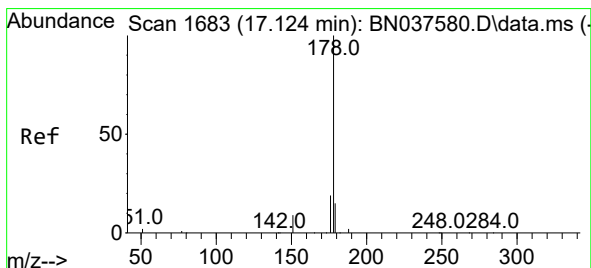
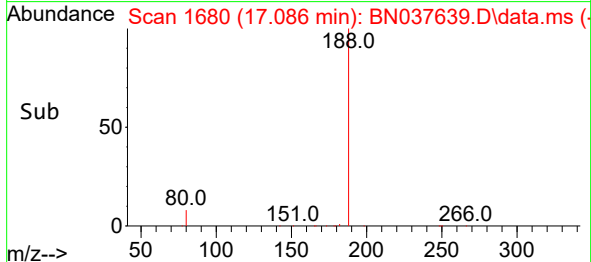
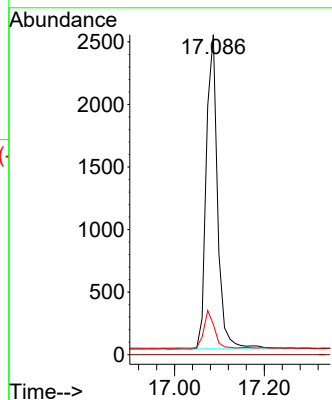
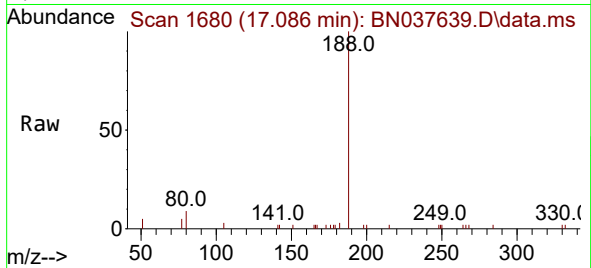




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

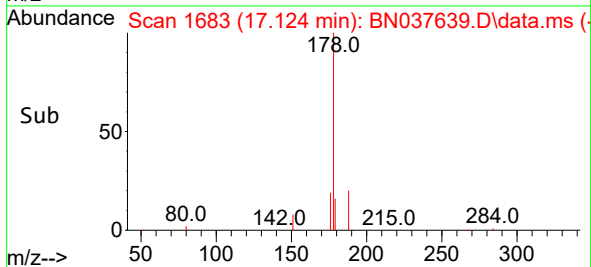
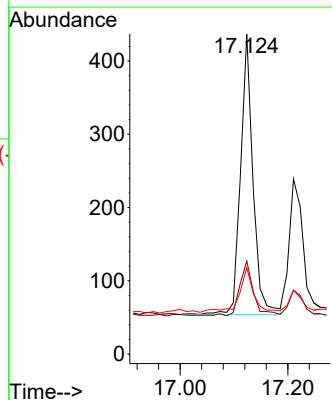
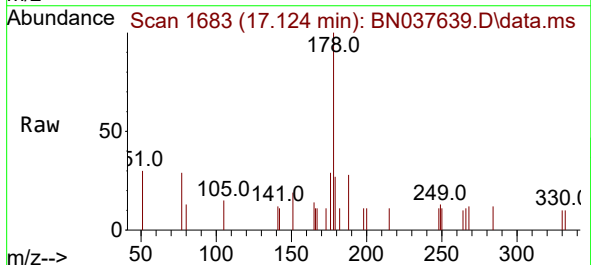
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

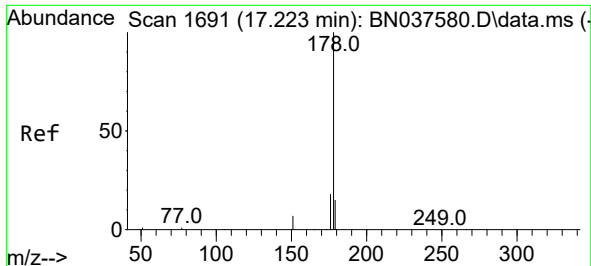
Tgt Ion:188 Resp: 4379
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.5 9.1 13.7



#25
Phenanthrene
Concen: 0.046 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

Tgt Ion:178 Resp: 614
Ion Ratio Lower Upper
178 100
176 20.8 15.0 22.6
179 17.9 12.3 18.5

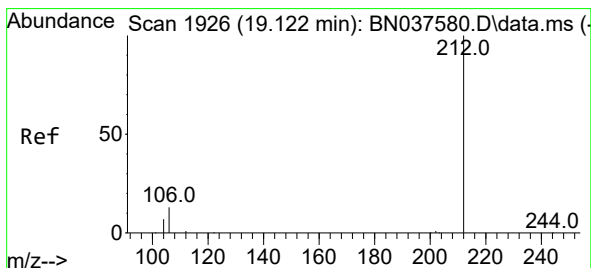
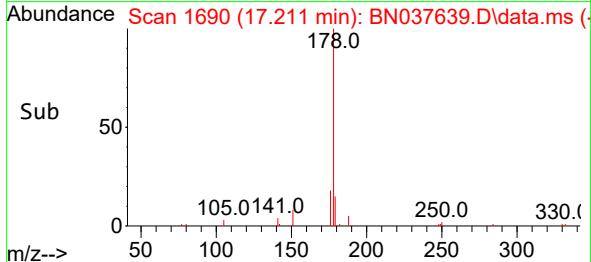
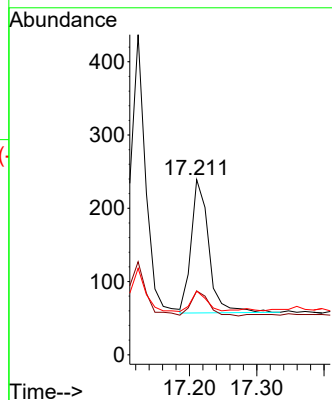
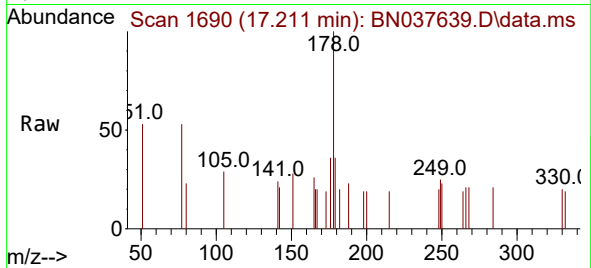




#26
 Anthracene
 Concen: 0.028 ng
 RT: 17.211 min Scan# 1690
 Delta R.T. -0.012 min
 Lab File: BN037639.D
 Acq: 20 Aug 2025 20:34

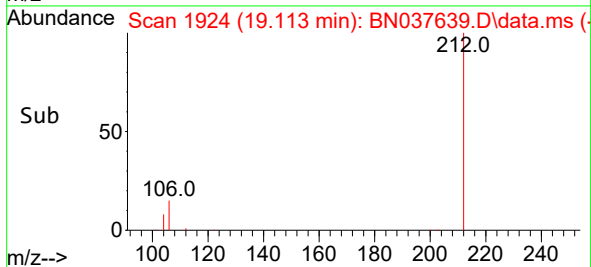
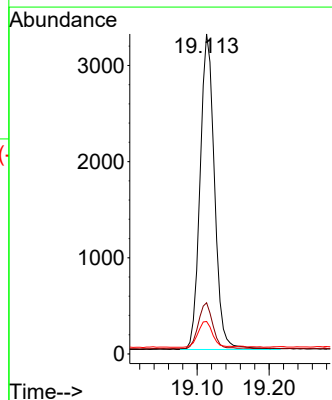
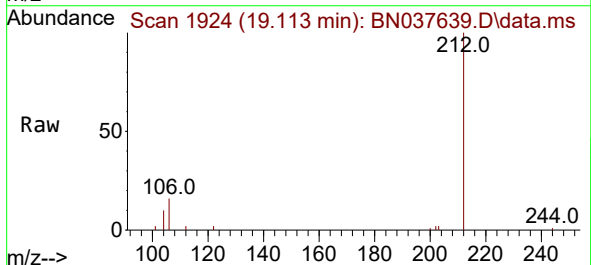
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20250814

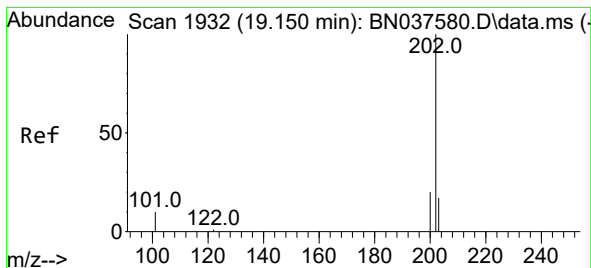
Tgt Ion:178 Resp: 332
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.7 22.1
 179 13.6 12.3 18.5



#27
 Fluoranthene-d10
 Concen: 0.397 ng
 RT: 19.113 min Scan# 1924
 Delta R.T. -0.009 min
 Lab File: BN037639.D
 Acq: 20 Aug 2025 20:34

Tgt Ion:212 Resp: 4575
 Ion Ratio Lower Upper
 212 100
 106 14.4 11.5 17.3
 104 8.3 6.6 9.8

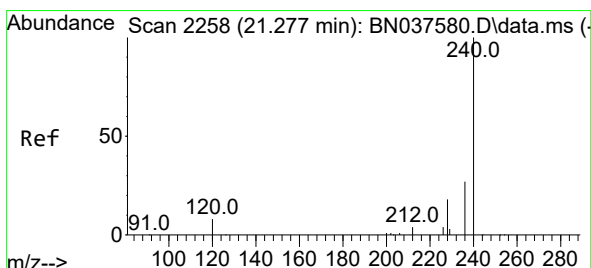
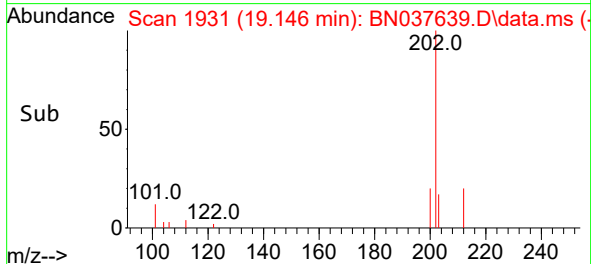
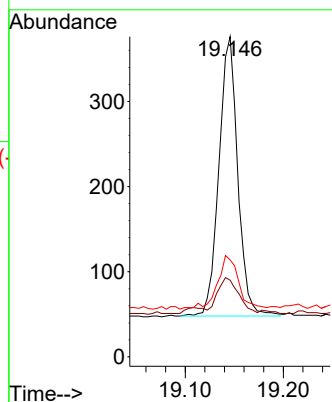
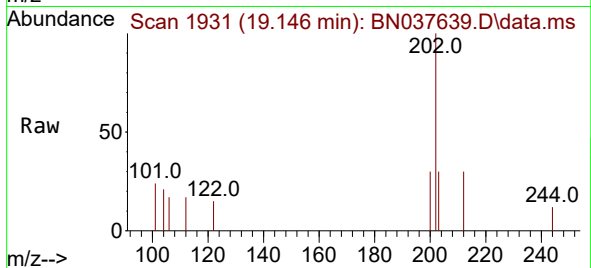




#28
Fluoranthene
Concen: 0.029 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

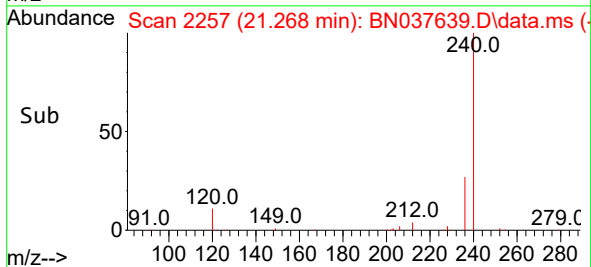
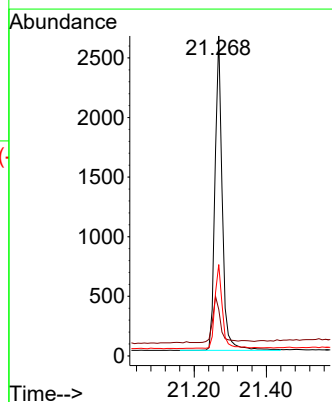
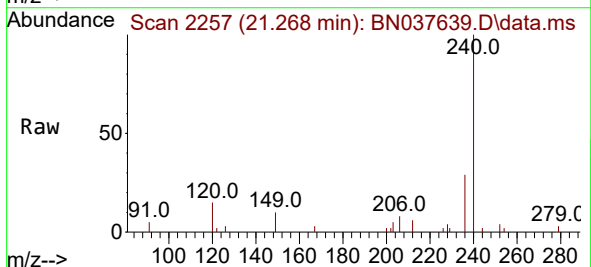
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

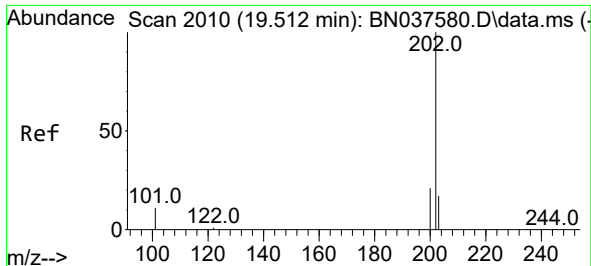
Tgt Ion:202 Resp: 439
Ion Ratio Lower Upper
202 100
101 13.7 9.0 13.6#
203 21.6 13.8 20.8#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

Tgt Ion:240 Resp: 3682
Ion Ratio Lower Upper
240 100
120 14.5 8.9 13.3#
236 28.5 22.6 33.8

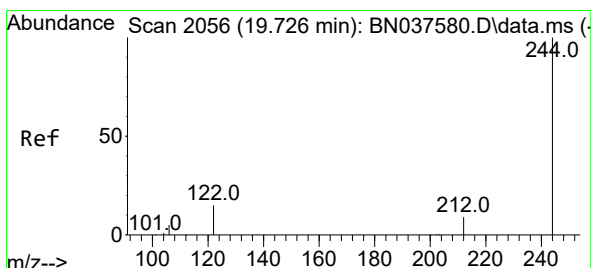
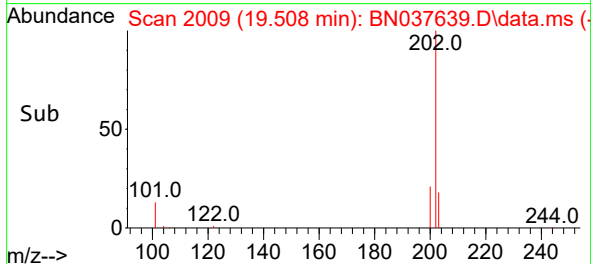
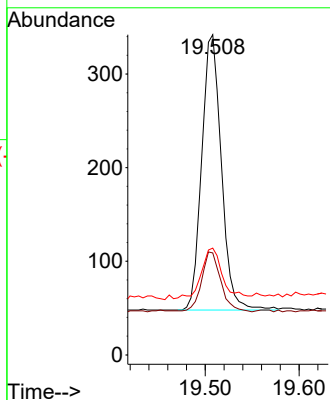
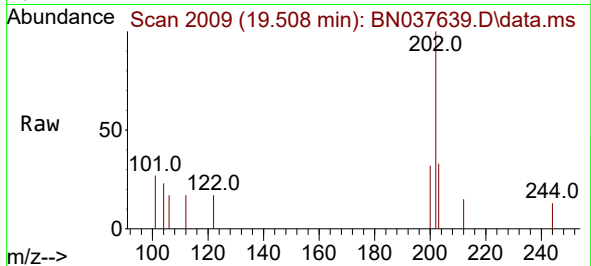




#30
Pyrene
Concen: 0.031 ng
RT: 19.508 min Scan# 2010
Delta R.T. -0.005 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

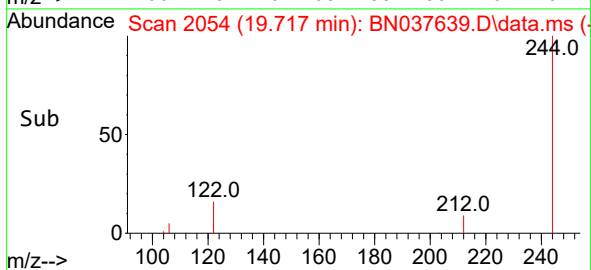
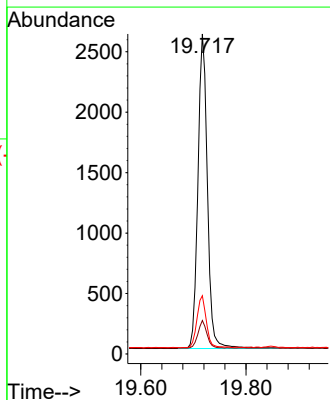
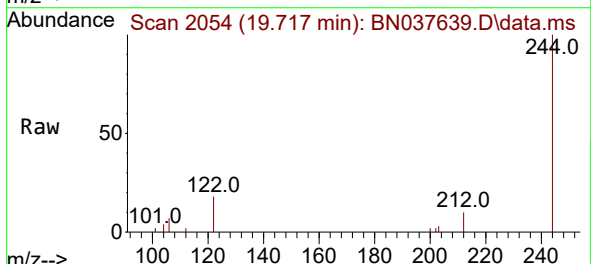
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

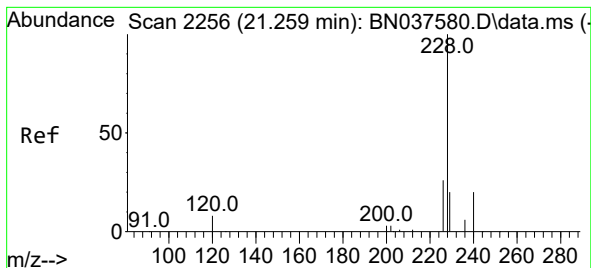
Tgt Ion:	202	Resp:	427
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	19.4	14.3	21.5



#31
Terphenyl-d14
Concen: 0.430 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

Tgt Ion:	244	Resp:	3258
Ion	Ratio	Lower	Upper
244	100		
212	10.5	8.2	12.2
122	18.2	13.2	19.8





#32

Benzo(a)anthracene

Concen: 0.026 ng

RT: 21.250 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037639.D

Acq: 20 Aug 2025 20:34

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250814

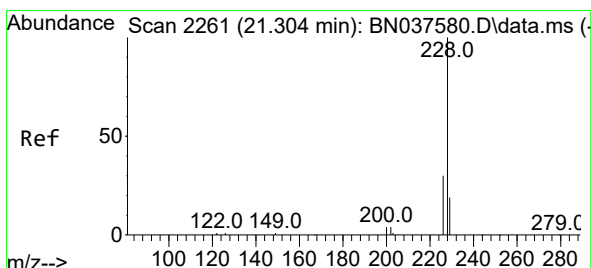
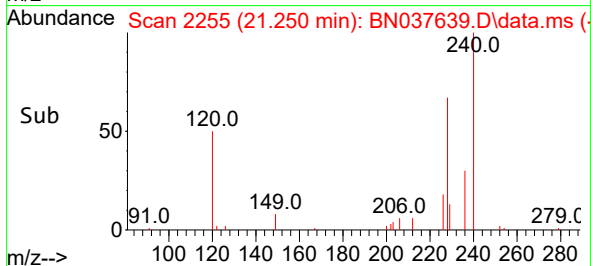
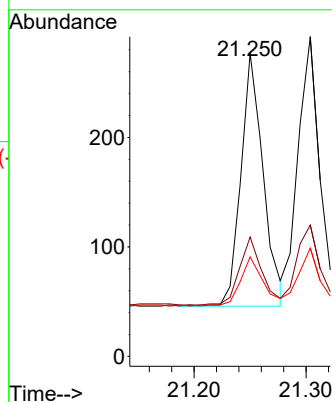
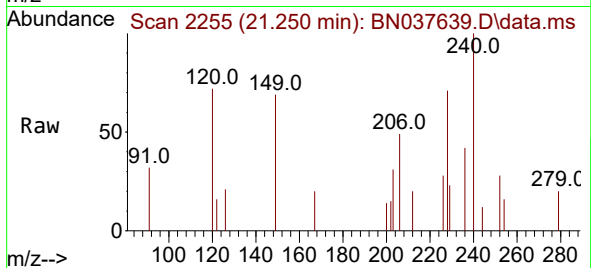
Tgt Ion:228 Resp: 319

Ion Ratio Lower Upper

228 100

226 39.4 21.5 32.3#

229 32.9 16.5 24.7#



#33

Chrysene

Concen: 0.026 ng

RT: 21.304 min Scan# 2261

Delta R.T. 0.000 min

Lab File: BN037639.D

Acq: 20 Aug 2025 20:34

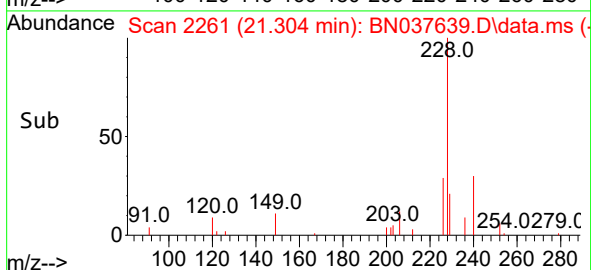
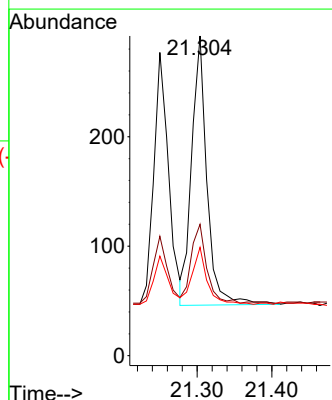
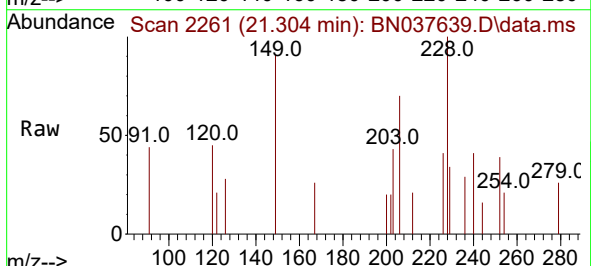
Tgt Ion:228 Resp: 350

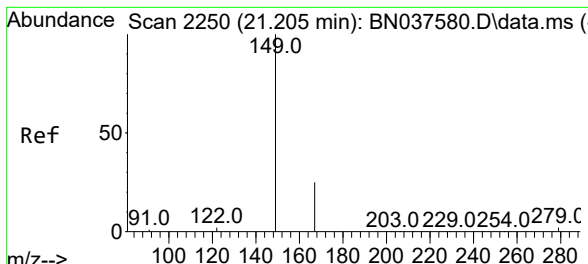
Ion Ratio Lower Upper

228 100

226 41.1 24.9 37.3#

229 33.9 15.8 23.8#

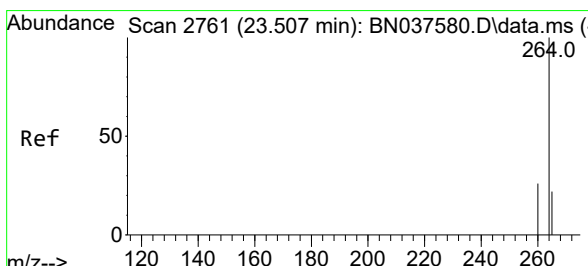
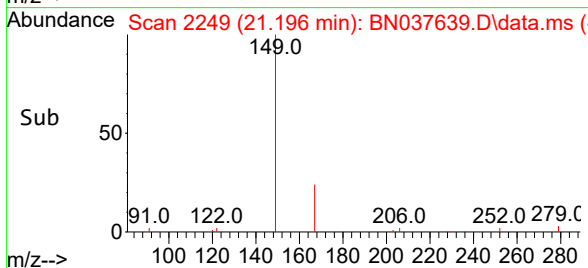
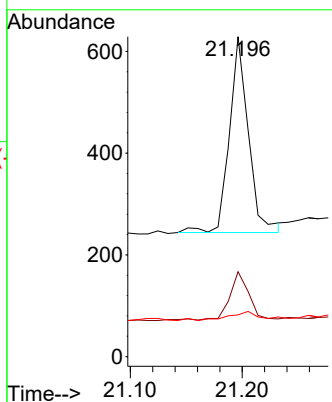
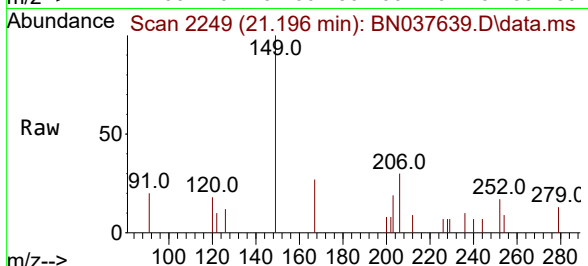




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.090 ng
 RT: 21.196 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN037639.D
 Acq: 20 Aug 2025 20:34

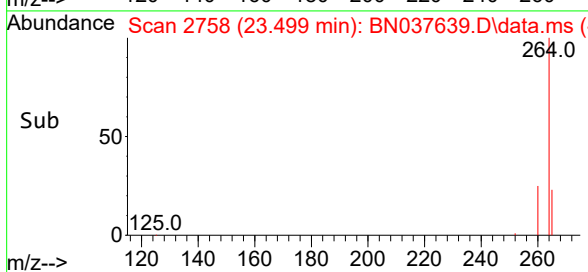
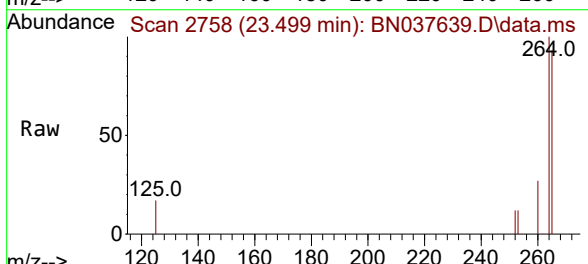
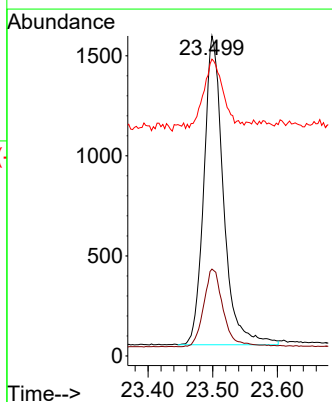
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20250814

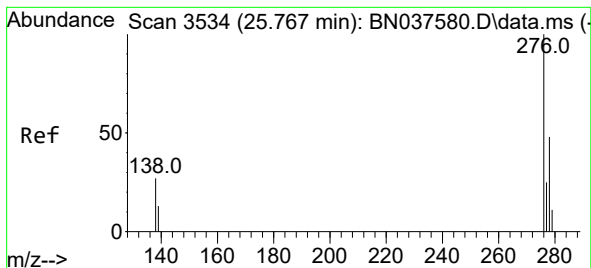
Tgt Ion:	149	Resp:	456
Ion Ratio	Lower	Upper	
149	100		
167	24.3	20.5	30.7
279	6.6	2.6	4.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.499 min Scan# 2758
 Delta R.T. -0.009 min
 Lab File: BN037639.D
 Acq: 20 Aug 2025 20:34

Tgt Ion:	264	Resp:	3234
Ion Ratio	Lower	Upper	
264	100		
260	27.1	21.6	32.4
265	92.7	48.2	72.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.021 ng

RT: 25.759 min Scan# 3531

Delta R.T. -0.009 min

Lab File: BN037639.D

Acq: 20 Aug 2025 20:34

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250814

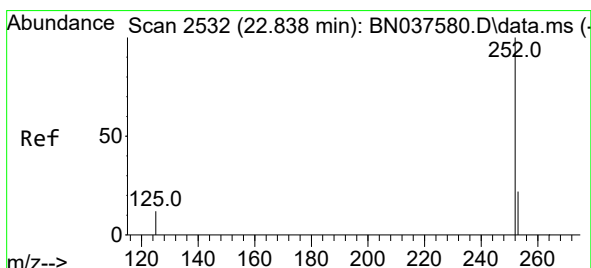
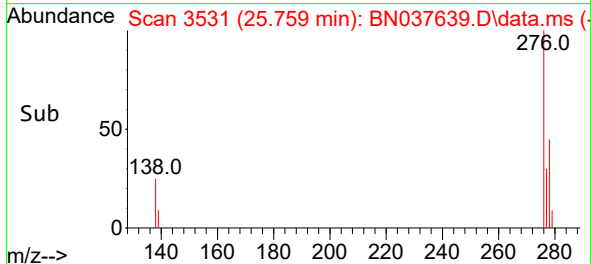
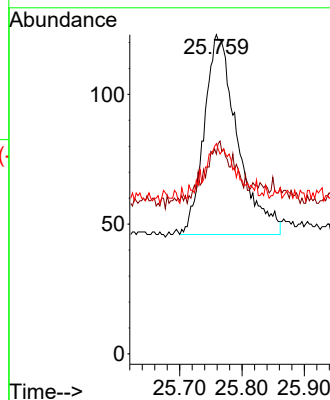
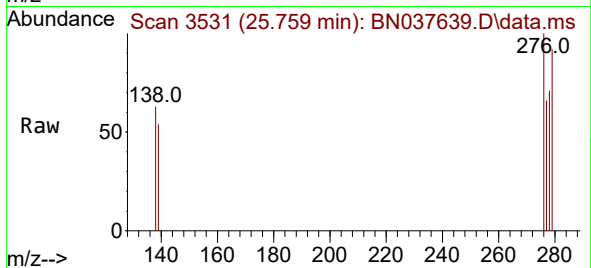
Tgt Ion:276 Resp: 286

Ion Ratio Lower Upper

276 100

138 10.5 23.3 34.9#

277 6.3 19.5 29.3#



#37

Benzo(b)fluoranthene

Concen: 0.024 ng

RT: 22.829 min Scan# 2529

Delta R.T. -0.009 min

Lab File: BN037639.D

Acq: 20 Aug 2025 20:34

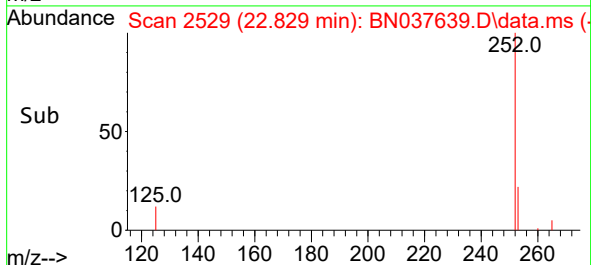
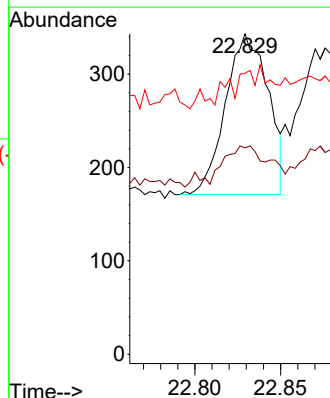
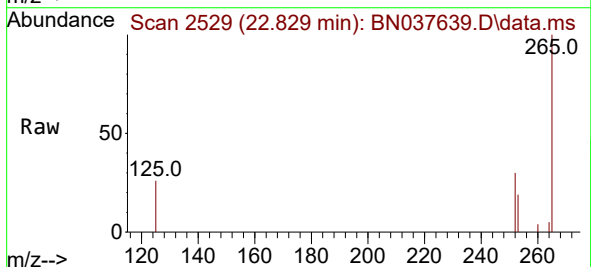
Tgt Ion:252 Resp: 298

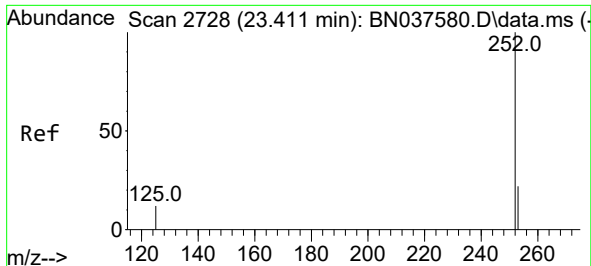
Ion Ratio Lower Upper

252 100

253 64.4 20.0 30.0#

125 87.8 13.8 20.6#





#39

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.399 min Scan# 21

Delta R.T. -0.012 min

Lab File: BN037639.D

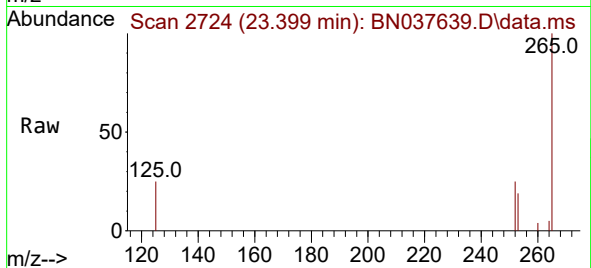
Acq: 20 Aug 2025 20:34

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250814



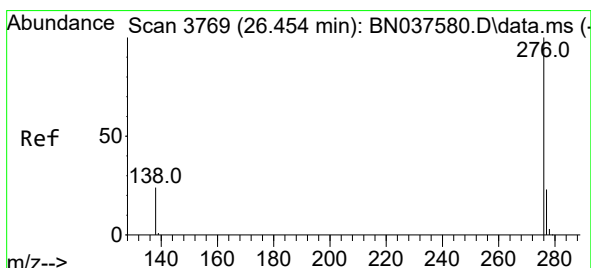
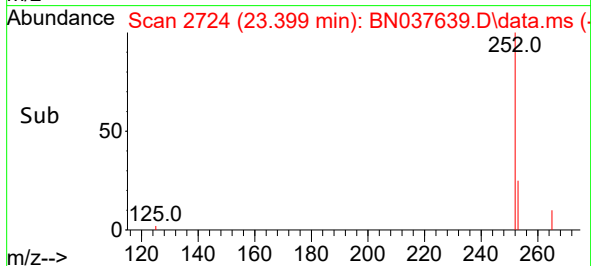
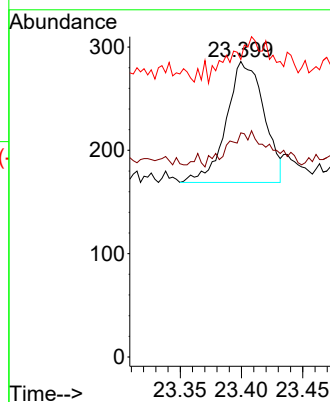
Tgt Ion:252 Resp: 249

Ion Ratio Lower Upper

252 100

253 75.9 21.6 32.4#

125 100.7 16.8 25.2#



#41

Benzo(g,h,i)perylene

Concen: 0.022 ng

RT: 26.449 min Scan# 3767

Delta R.T. -0.006 min

Lab File: BN037639.D

Acq: 20 Aug 2025 20:34

Tgt Ion:276 Resp: 248

Ion Ratio Lower Upper

276 100

277 63.0 21.0 31.4#

138 65.5 21.7 32.5#

