

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)

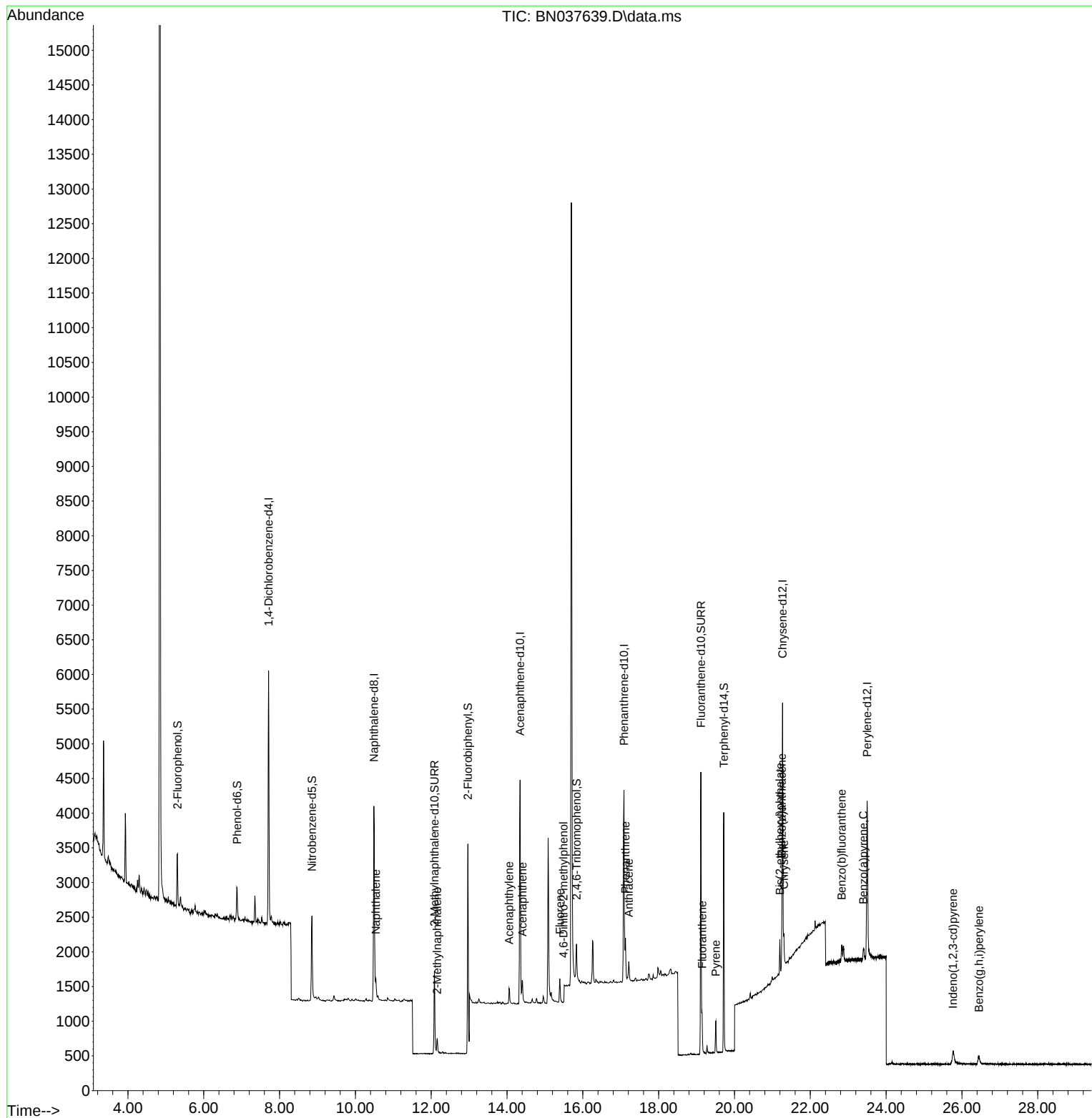
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	1820	0.400	ng	0.00
7) Naphthalene-d8	10.487	136	4111	0.400	ng	#-0.01
13) Acenaphthene-d10	14.345	164	1992	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	4379	0.400	ng	0.00
29) Chrysene-d12	21.268	240	3682	0.400	ng	# 0.00
35) Perylene-d12	23.499	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
20) 4,6-Dinitro-2-methylph...	15.489	198	2	0.183	ng	# 1
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

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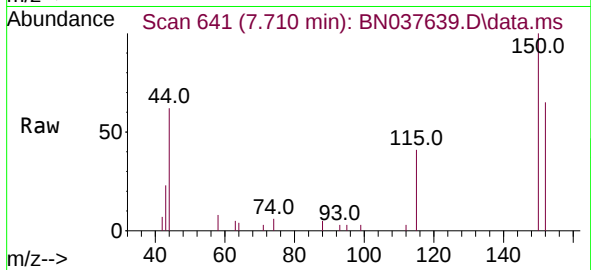
Quant Time: Aug 21 04:58:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
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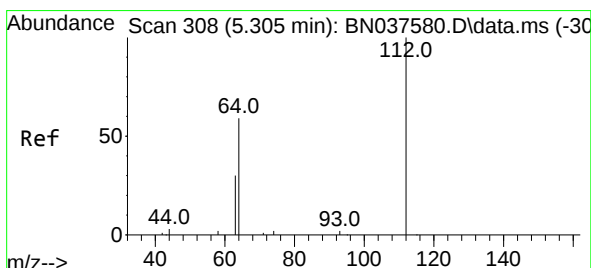
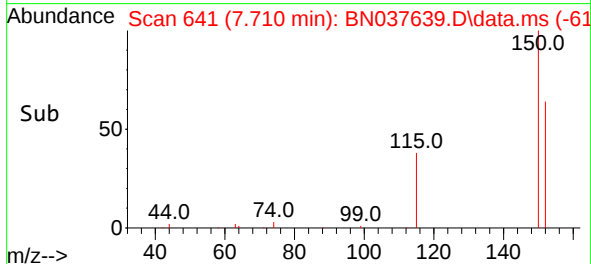
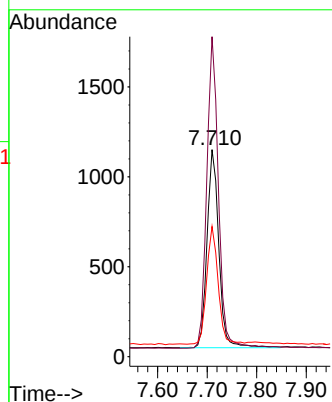


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

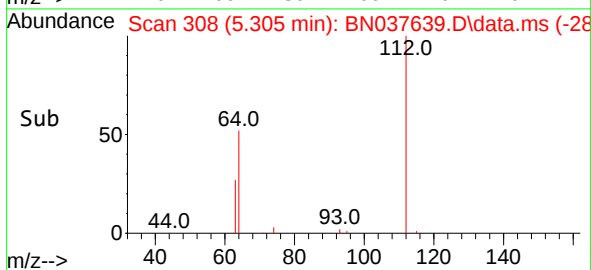
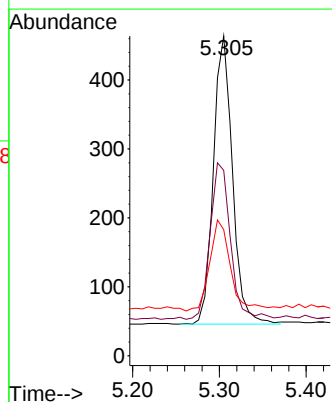
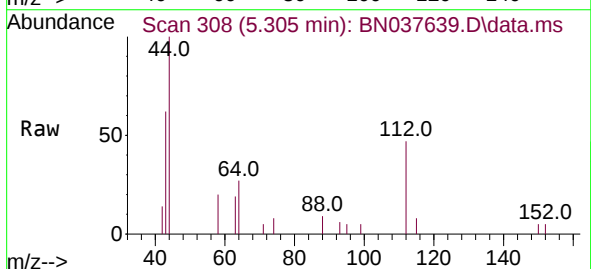


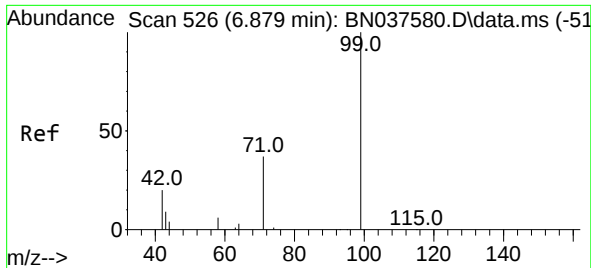
Tgt Ion:152 Resp: 1820
Ion Ratio Lower Upper
152 100
150 154.6 122.2 183.4
115 62.9 49.8 74.6



#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

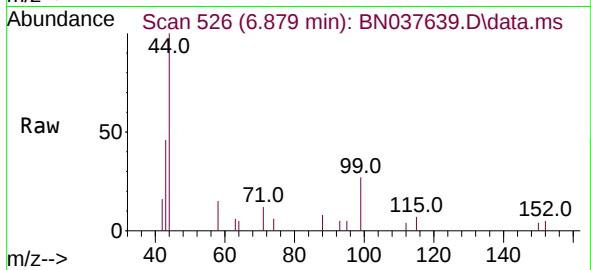
Tgt Ion:112 Resp: 640
Ion Ratio Lower Upper
112 100
64 58.1 44.9 67.3
63 34.2 23.4 35.2



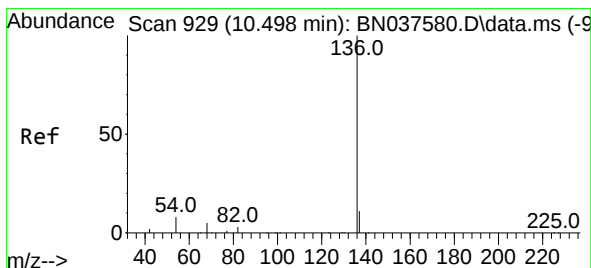
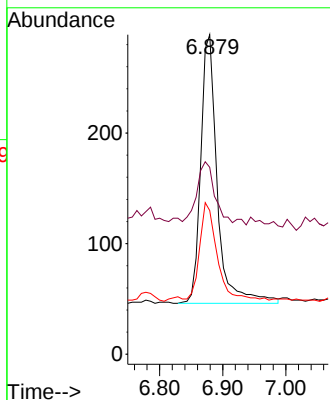
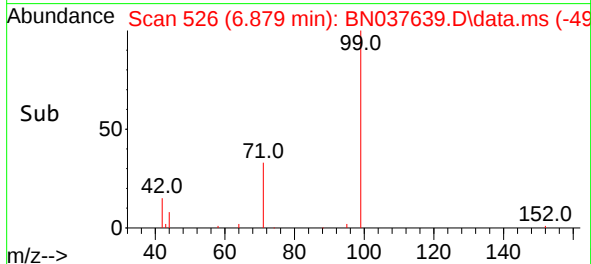


#5
Phenol-d6
Concen: 0.089 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

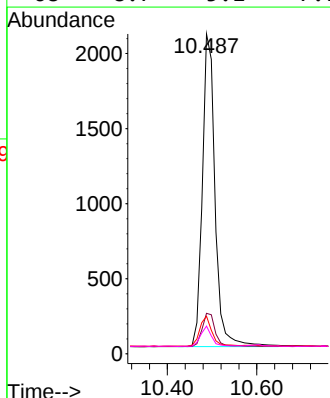
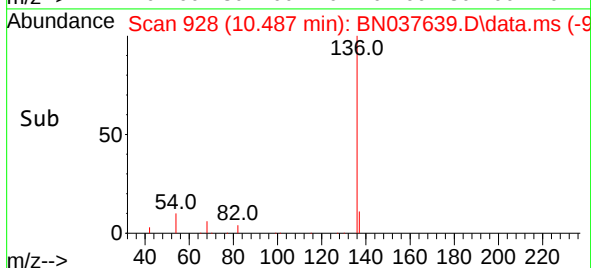
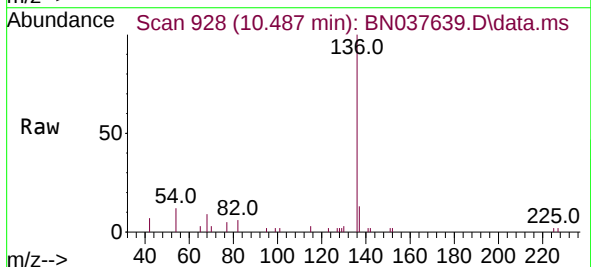


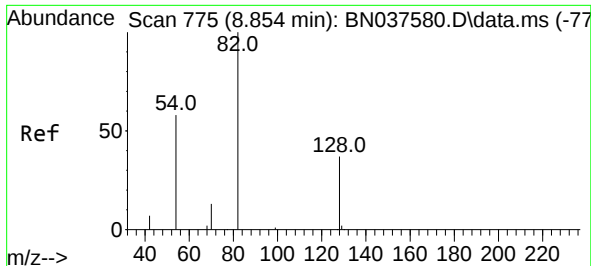
Tgt Ion:	99	Resp:	442
Ion	Ratio	Lower	Upper
99	100		
42	26.7	18.5	27.7
71	37.8	28.6	42.8



#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#

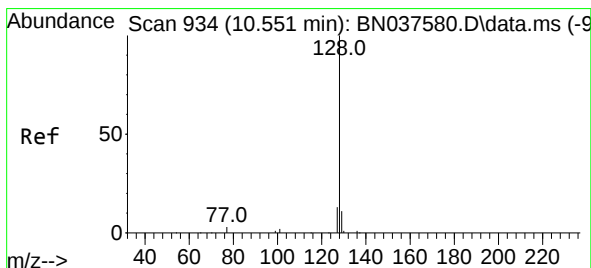
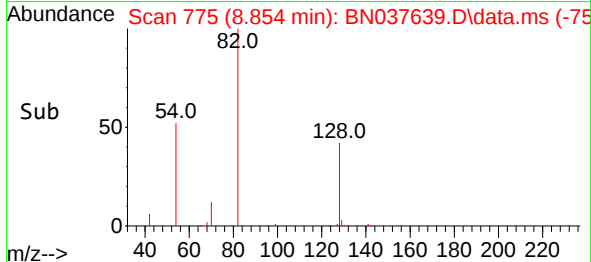
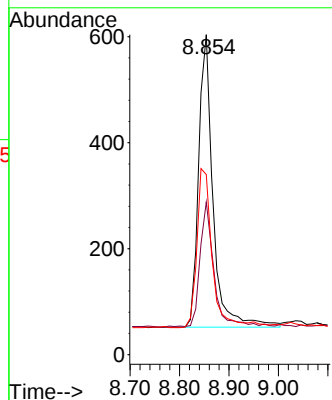
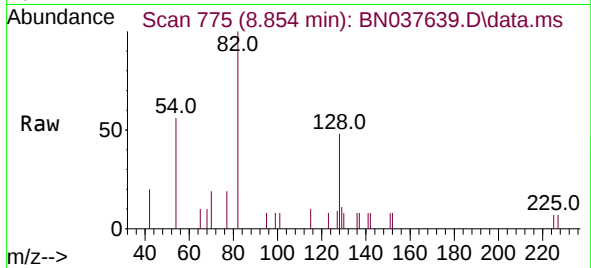




#8
 Nitrobenzene-d5
 Concen: 0.386 ng
 RT: 8.854 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BN037639.D
 Acq: 20 Aug 2025 20:34

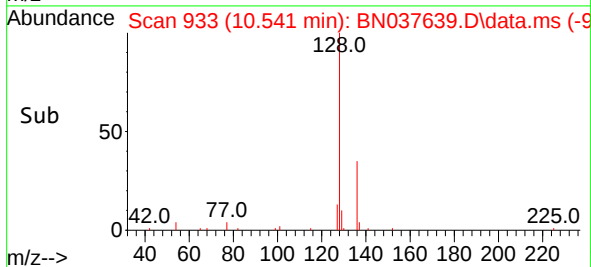
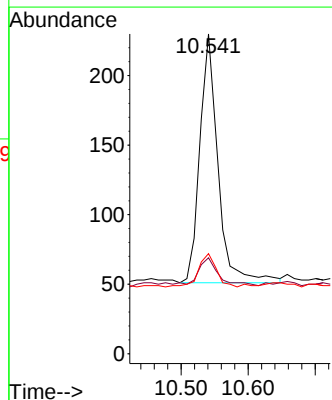
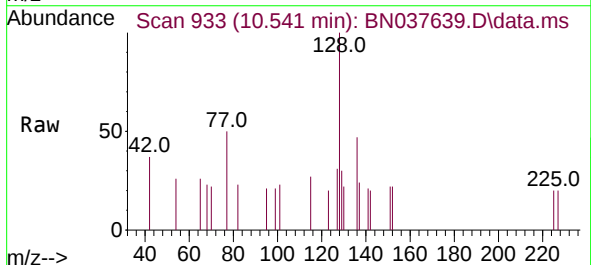
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20250814

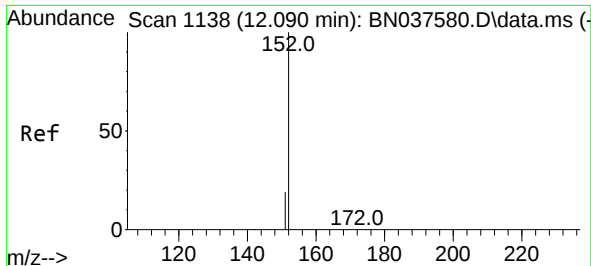
Tgt Ion:	82	Resp:	1117
Ion	Ratio	Lower	Upper
82	100		
128	47.7	32.6	48.8
54	56.3	48.9	73.3



#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#

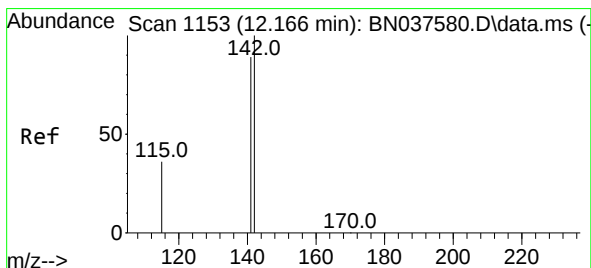
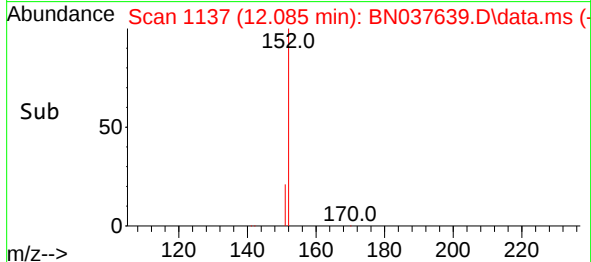
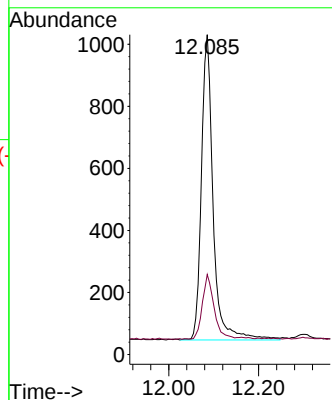
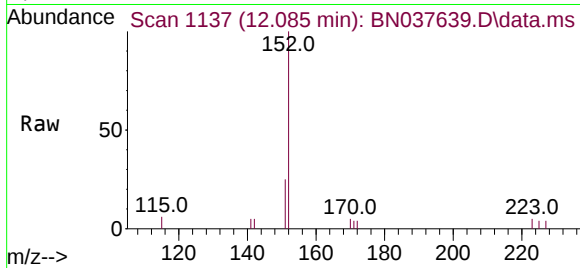




#11
2-Methylnaphthalene-d10
Concen: 0.318 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

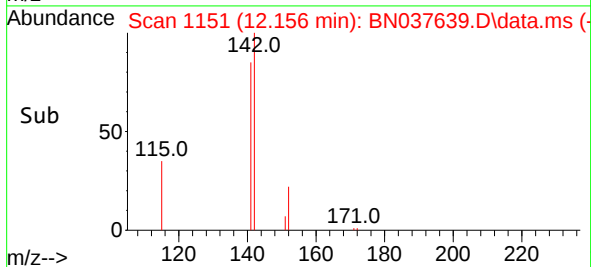
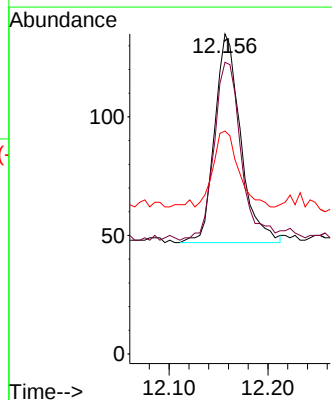
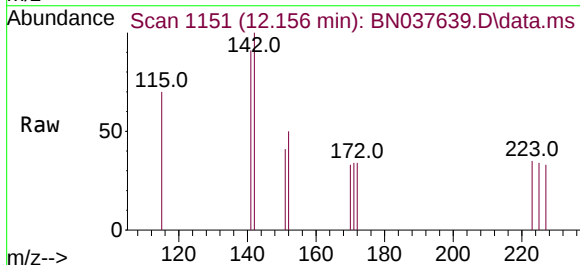
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

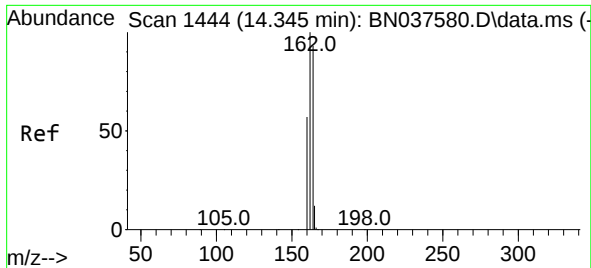
Tgt Ion:152 Resp: 1779
Ion Ratio Lower Upper
152 100
151 21.1 17.3 25.9



#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#

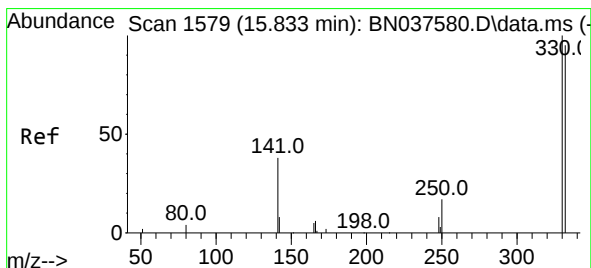
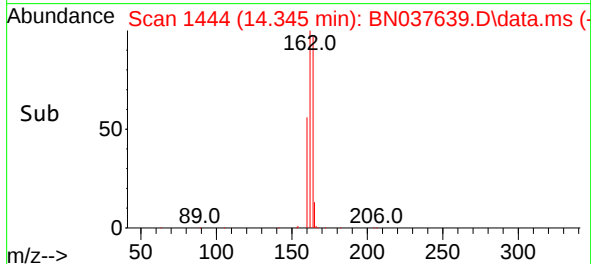
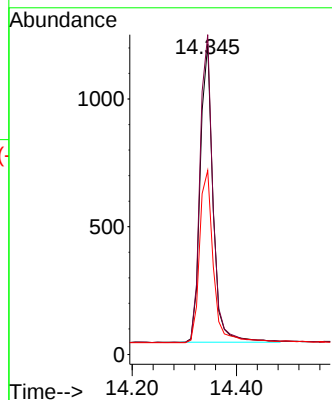
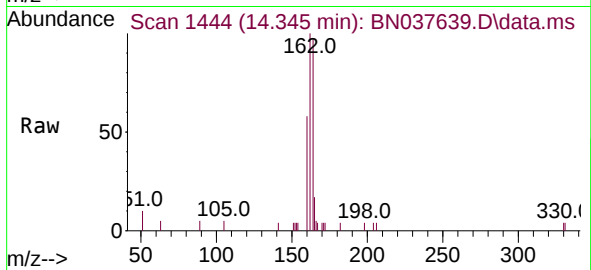




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

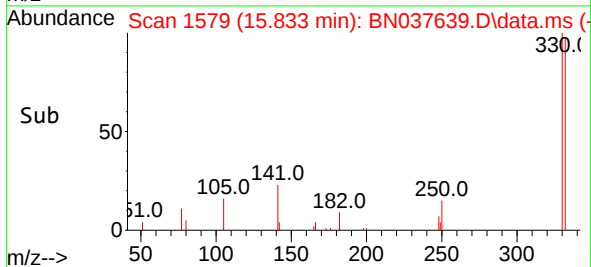
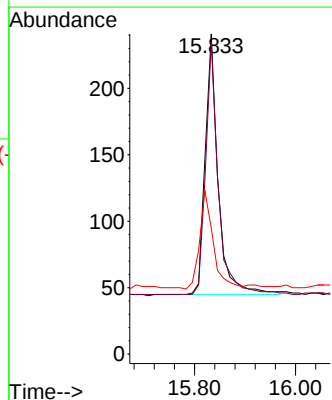
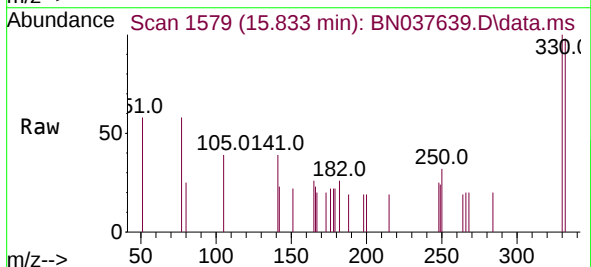
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

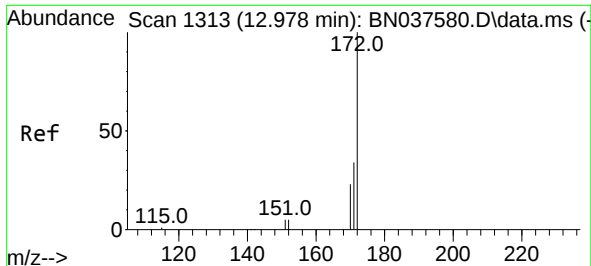
Tgt Ion:164 Resp: 1992
Ion Ratio Lower Upper
164 100
162 103.0 85.5 128.3
160 59.3 49.5 74.3



#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

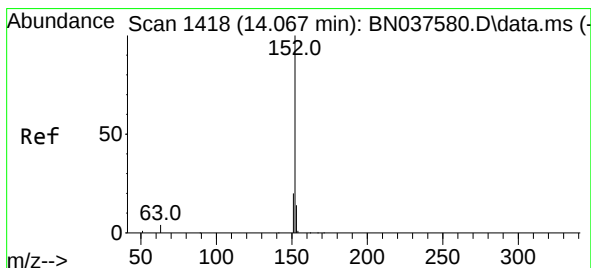
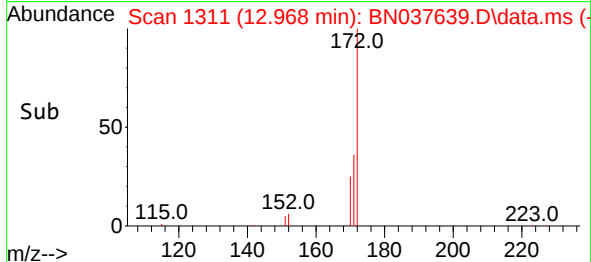
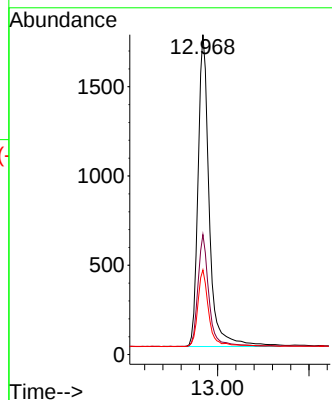
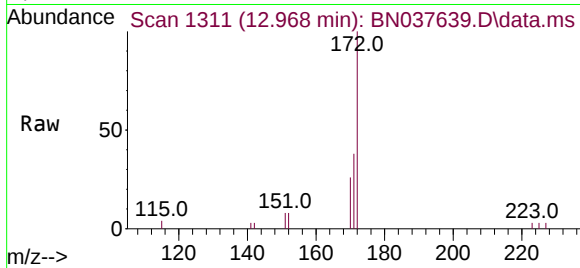




#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 12.968 min Scan# 1311
Delta R.T. -0.010 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

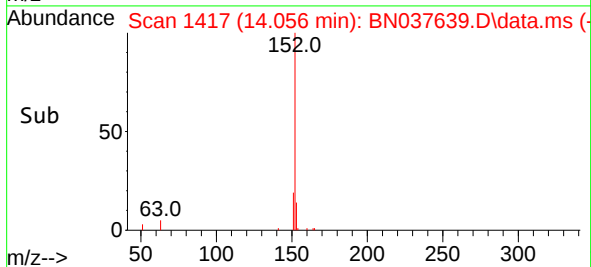
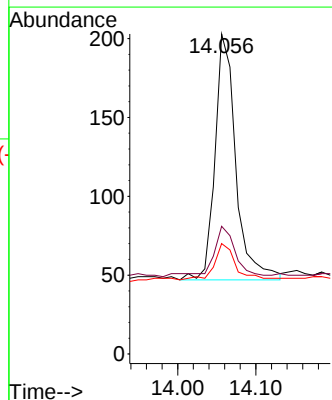
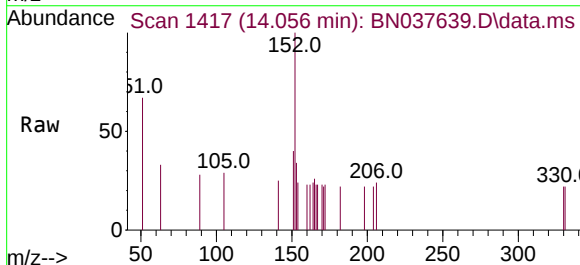
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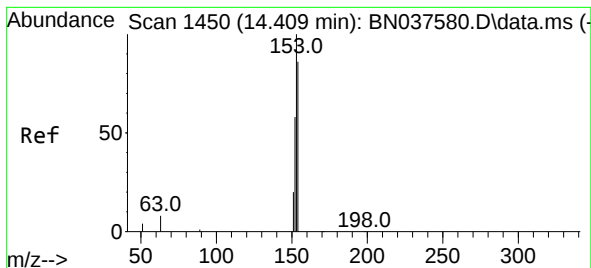
Tgt Ion:	172	Resp:	4173
Ion Ratio	Lower	Upper	
172	100		
171	37.5	28.2	42.4
170	26.5	19.2	28.8



#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

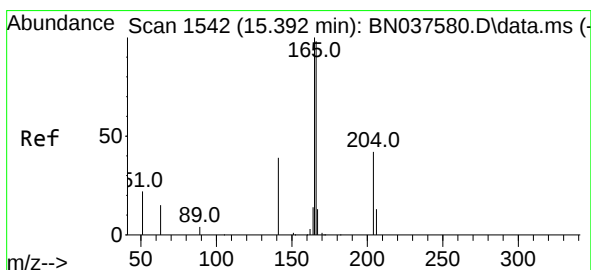
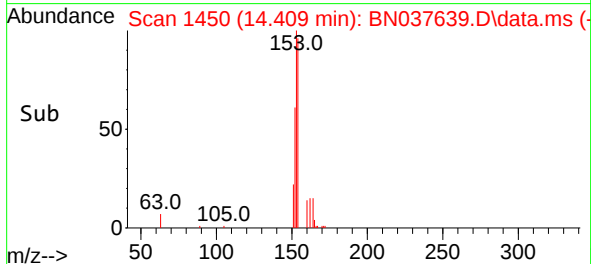
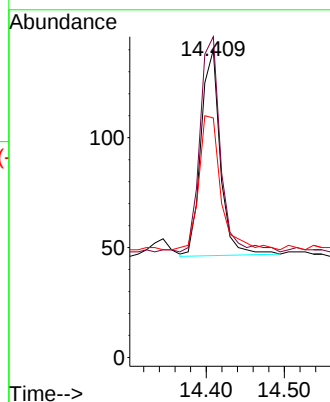
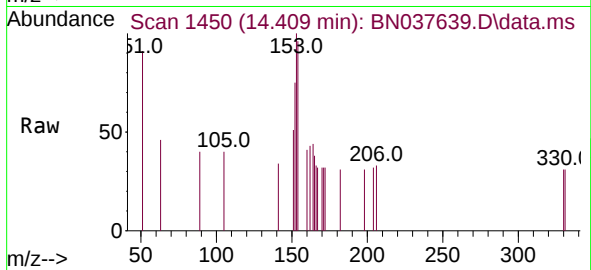
Instrument :

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

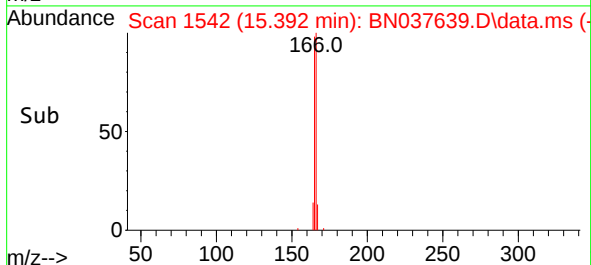
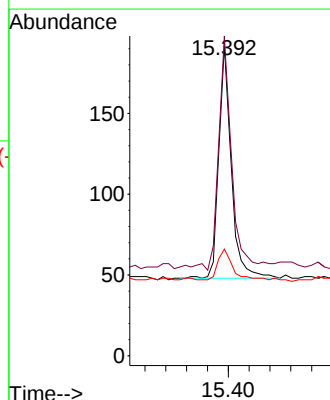
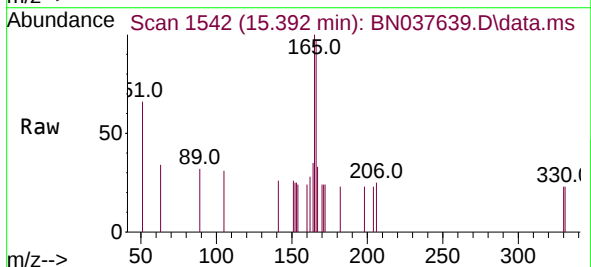
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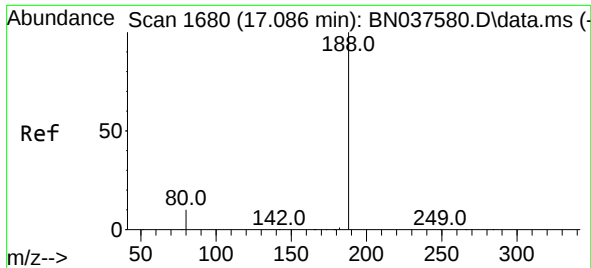
Delta R.T. 0.000 min

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

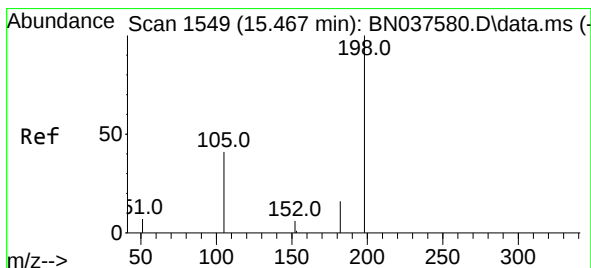
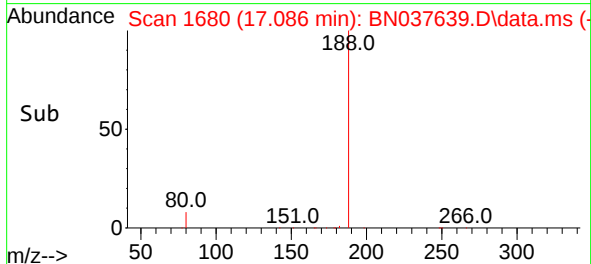
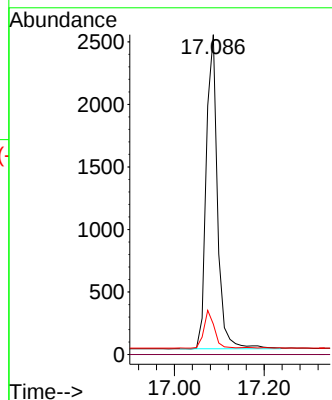
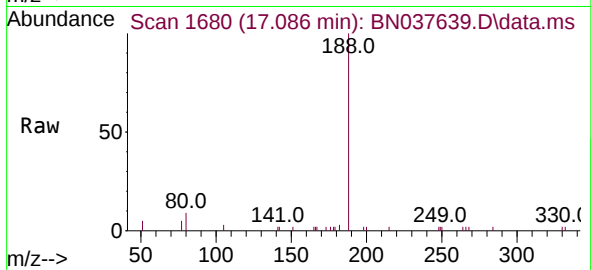




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

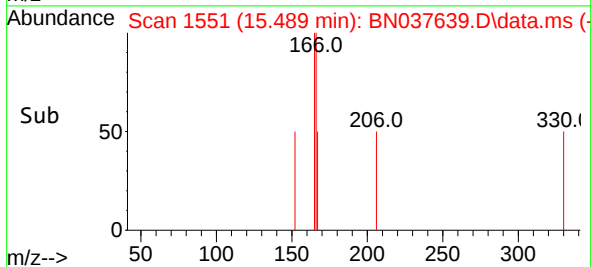
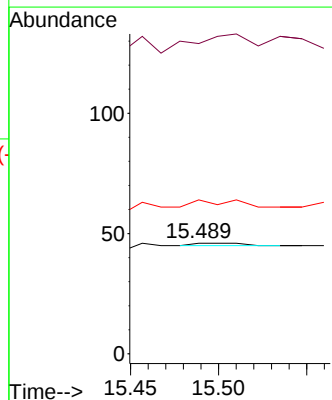
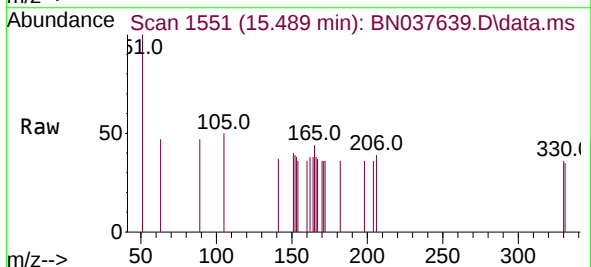
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

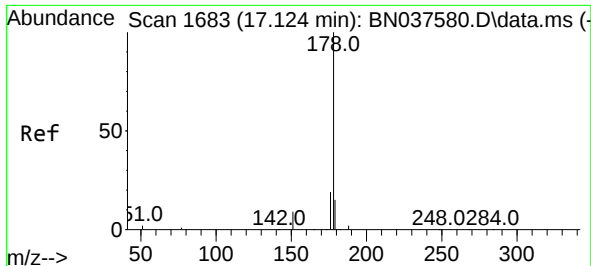
Tgt Ion:188 Resp: 4379
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.5 9.1 13.7



#20
4,6-Dinitro-2-methylphenol
Concen: 0.183 ng
RT: 15.489 min Scan# 1551
Delta R.T. 0.022 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

Tgt Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
51 280.4 81.0 121.6#
105 139.1 52.5 78.7#

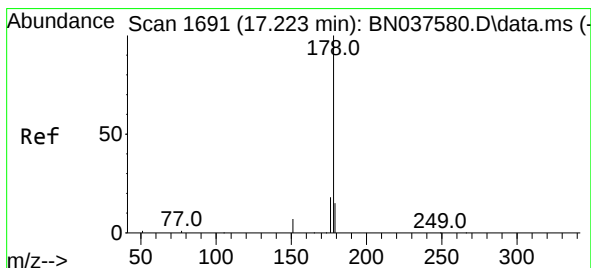
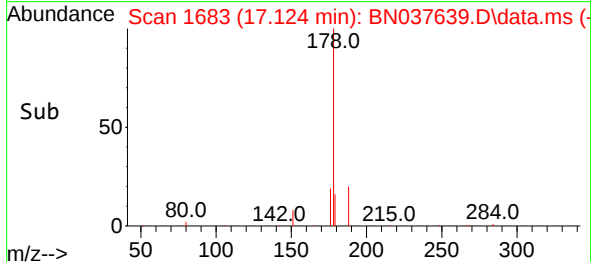
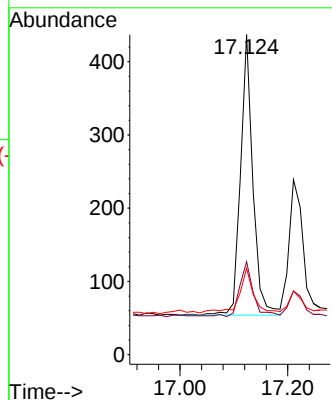
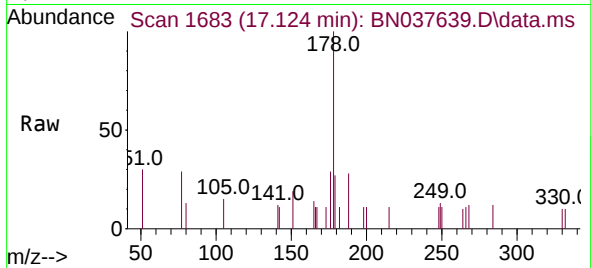




#25
Phenanthrene
Concen: 0.046 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

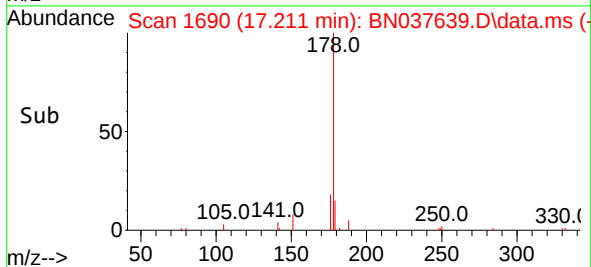
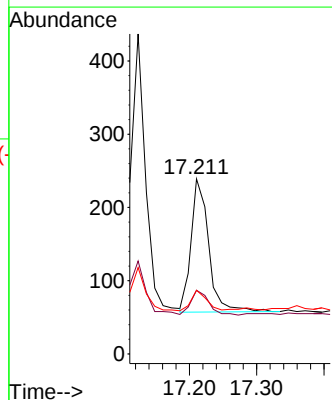
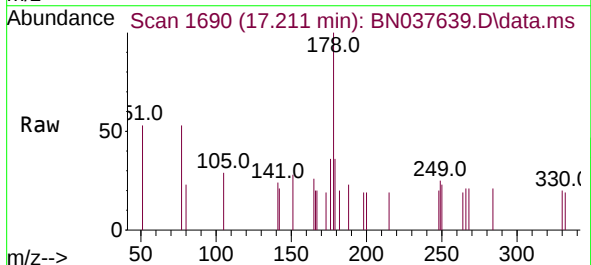
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

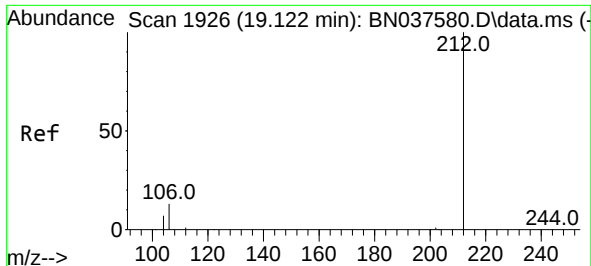
Tgt Ion:178 Resp: 614
Ion Ratio Lower Upper
178 100
176 20.8 15.0 22.6
179 17.9 12.3 18.5



#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

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

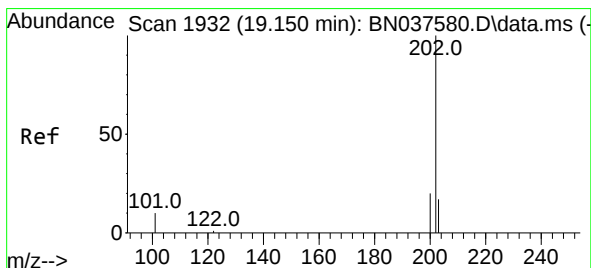
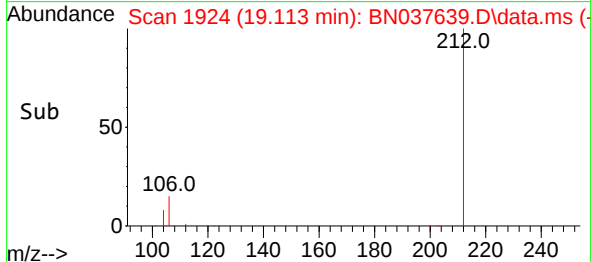
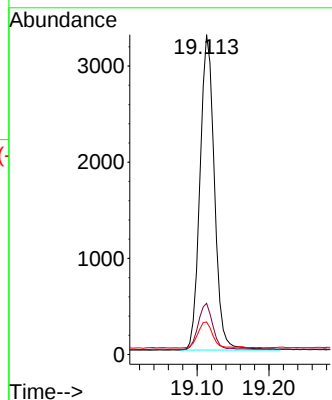
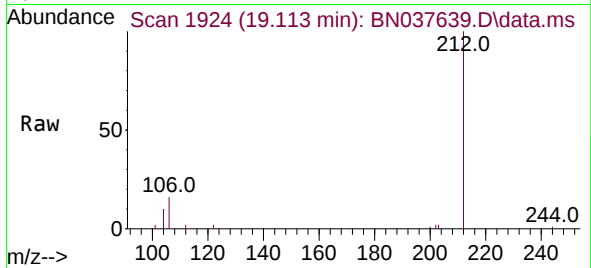




#27
Fluoranthene-d10
Concen: 0.397 ng
RT: 19.113 min Scan# 1919
Delta R.T. -0.009 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

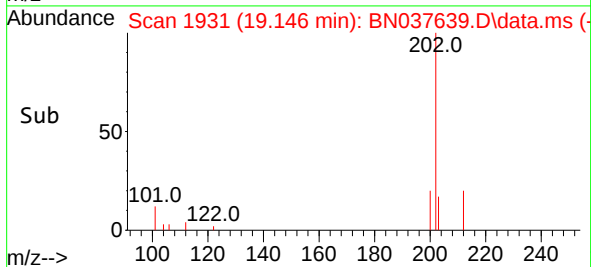
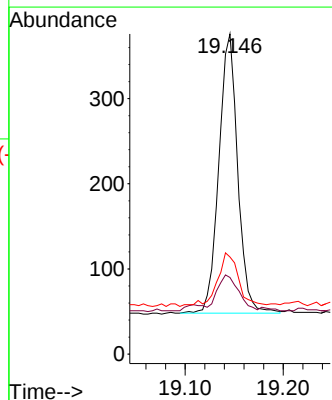
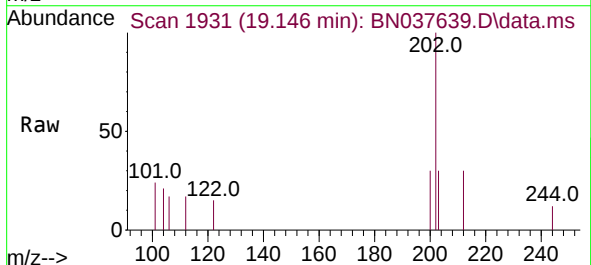
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

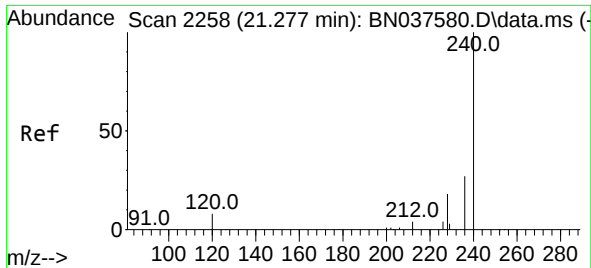
Tgt Ion:212 Resp: 4575
Ion Ratio Lower Upper
212 100
106 14.4 11.5 17.3
104 8.3 6.6 9.8



#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

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#

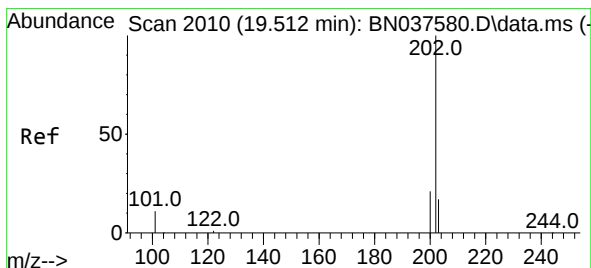
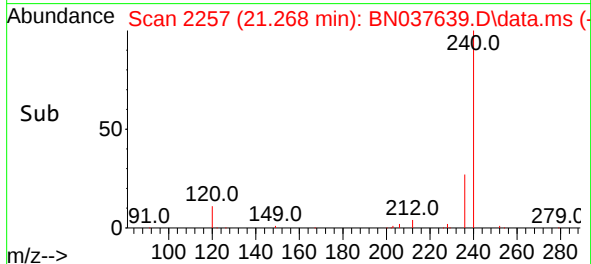
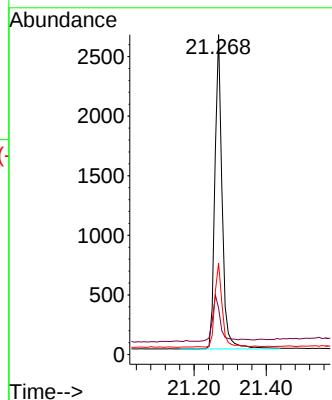
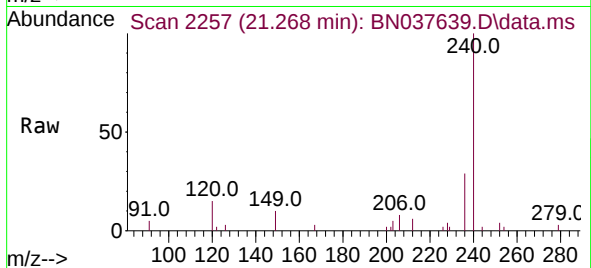




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

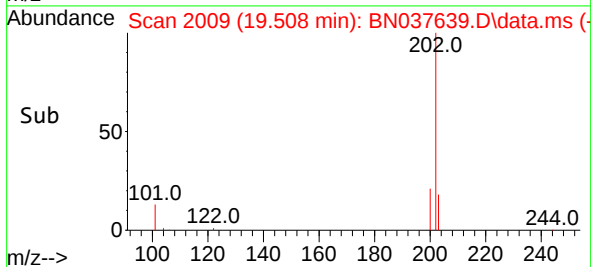
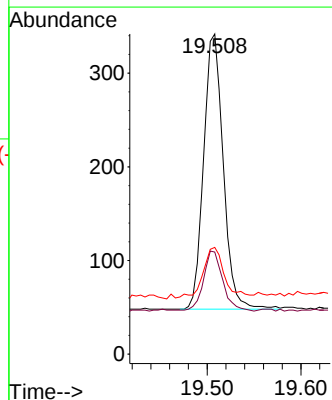
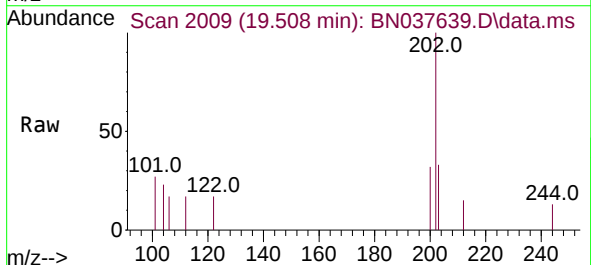
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

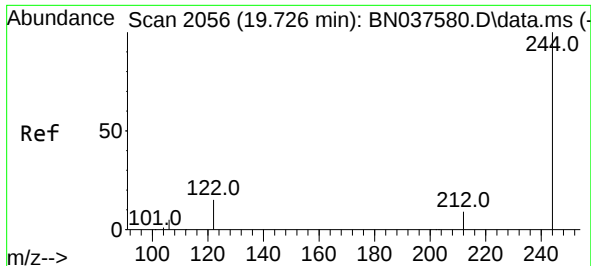
Tgt Ion:240 Resp: 3682
Ion Ratio Lower Upper
240 100
120 14.5 8.9 13.3#
236 28.5 22.6 33.8



#30
Pyrene
Concen: 0.031 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.005 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

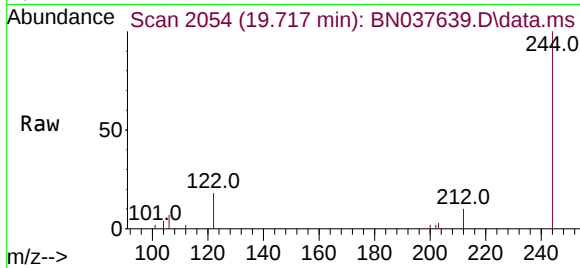
Tgt Ion:202 Resp: 427
Ion Ratio Lower Upper
202 100
200 21.3 16.6 25.0
203 19.4 14.3 21.5



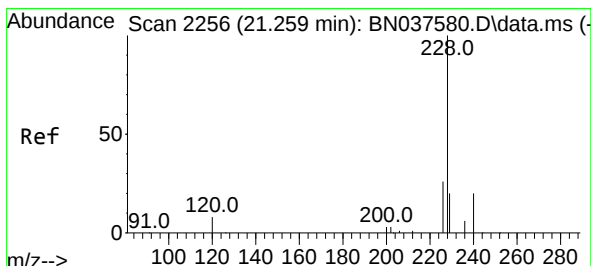
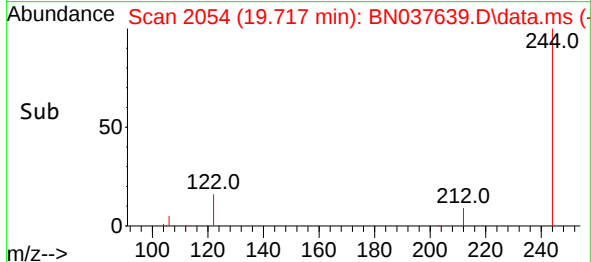
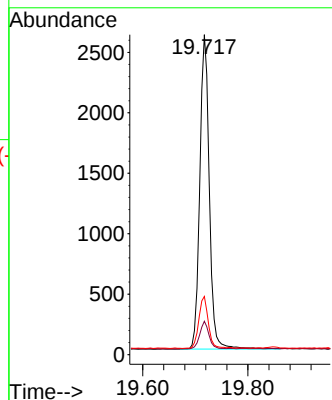


#31
 Terphenyl-d14
 Concen: 0.430 ng
 RT: 19.717 min Scan# 2054
 Delta R.T. -0.009 min
 Lab File: BN037639.D
 Acq: 20 Aug 2025 20:34

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20250814

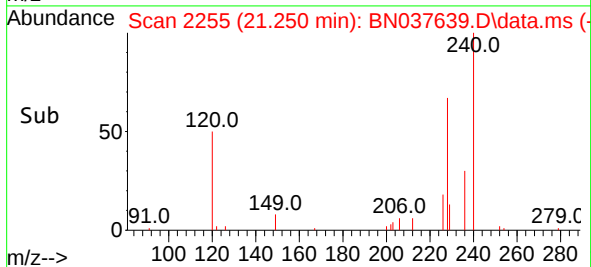
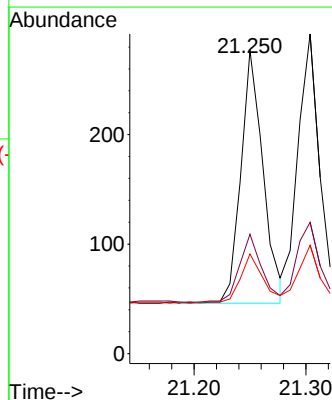
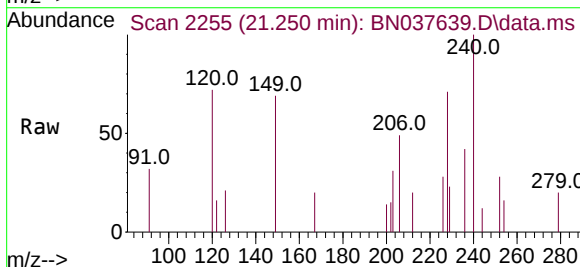


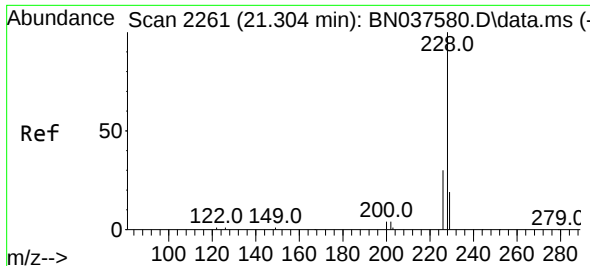
Tgt Ion:244 Resp: 3258
 Ion Ratio Lower Upper
 244 100
 212 10.5 8.2 12.2
 122 18.2 13.2 19.8



#32
 Benzo(a)anthracene
 Concen: 0.026 ng
 RT: 21.250 min Scan# 2255
 Delta R.T. -0.009 min
 Lab File: BN037639.D
 Acq: 20 Aug 2025 20:34

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# 21

Delta R.T. 0.000 min

Lab File: BN037639.D

Acq: 20 Aug 2025 20:34

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250814

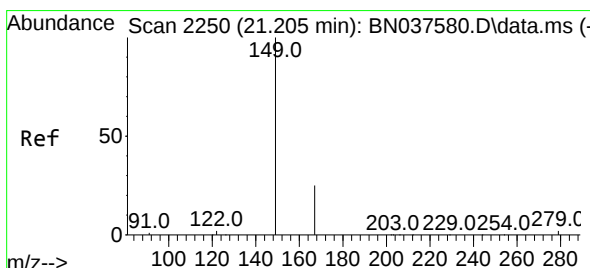
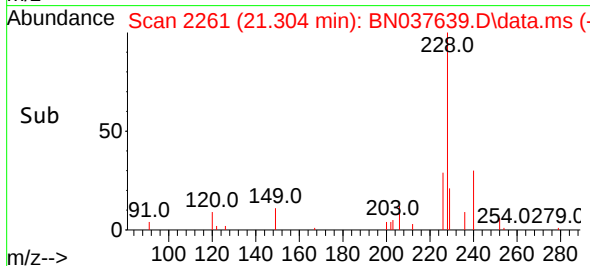
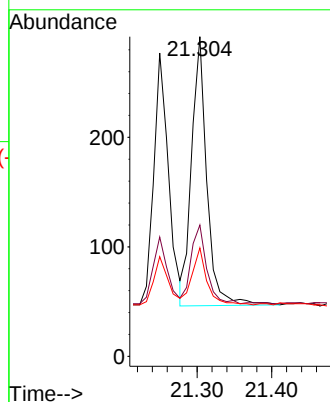
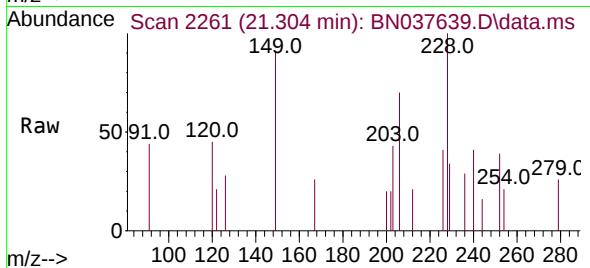
Tgt Ion:228 Resp: 350

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# 2249

Delta R.T. -0.009 min

Lab File: BN037639.D

Acq: 20 Aug 2025 20:34

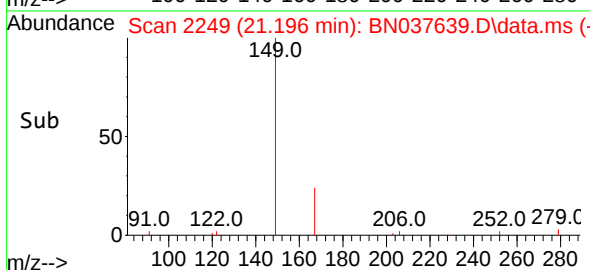
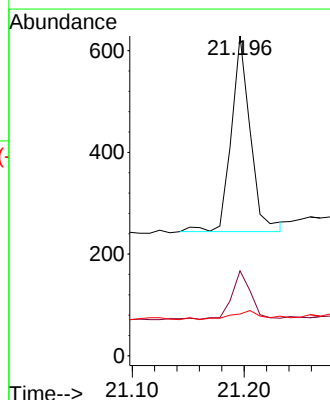
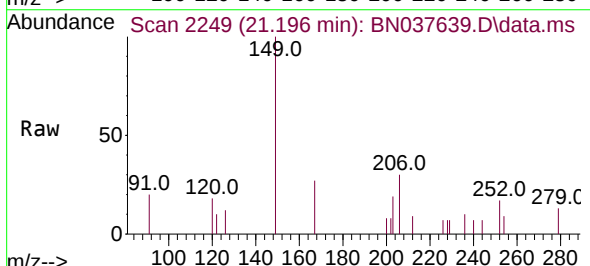
Tgt Ion:149 Resp: 456

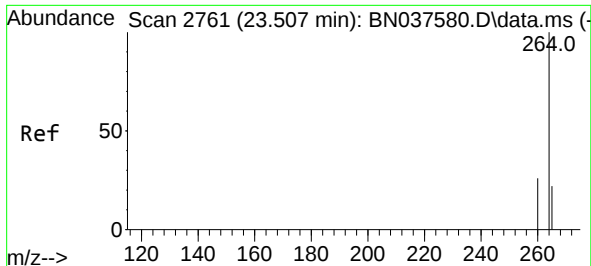
Ion Ratio Lower Upper

149 100

167 24.3 20.5 30.7

279 6.6 2.6 4.0#

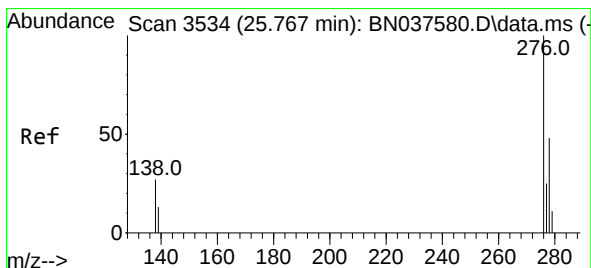
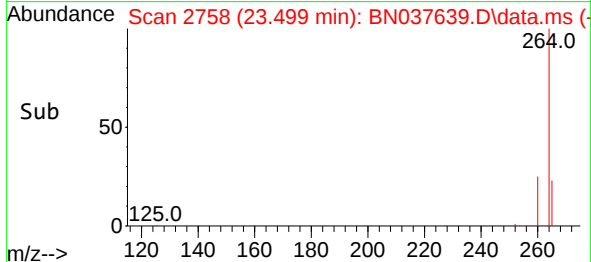
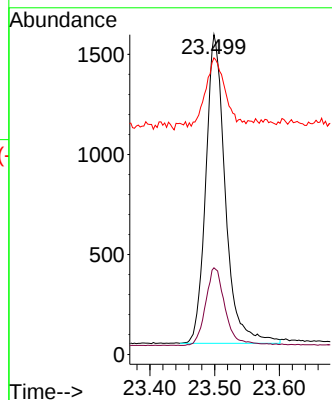
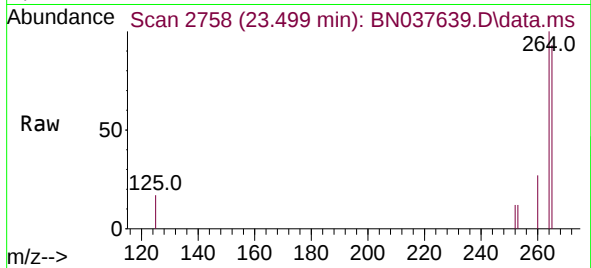




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

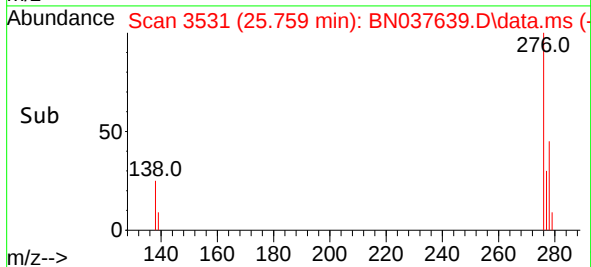
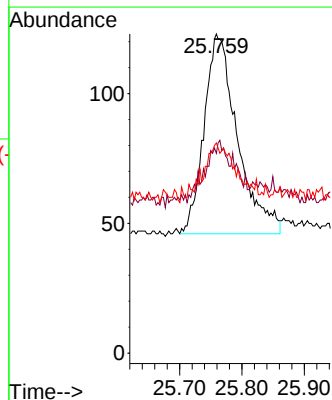
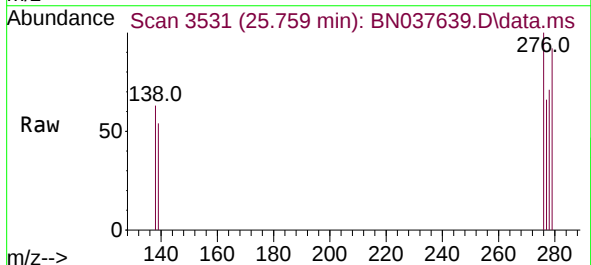
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

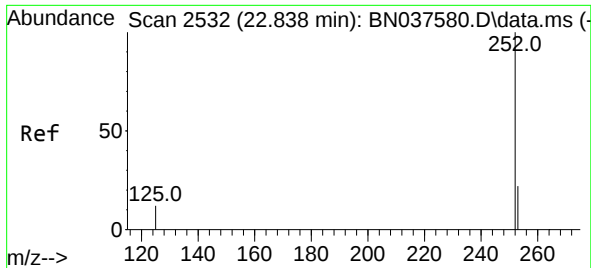
Tgt Ion:264	Resp:	3234
Ion Ratio	Lower	Upper
264	100	
260	27.1	21.6 32.4
265	92.7	48.2 72.4#



#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

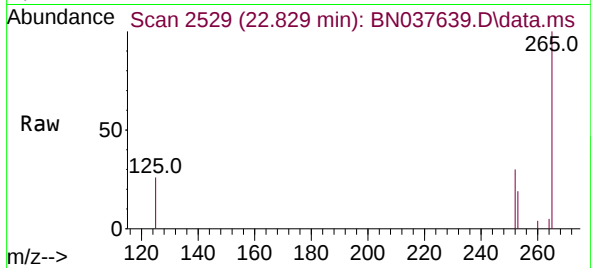
Tgt Ion:276	Resp:	286
Ion Ratio	Lower	Upper
276	100	
138	10.5	23.3 34.9#
277	6.3	19.5 29.3#



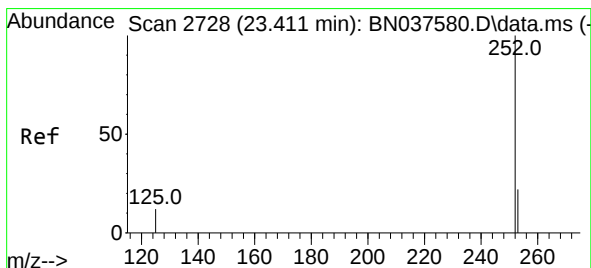
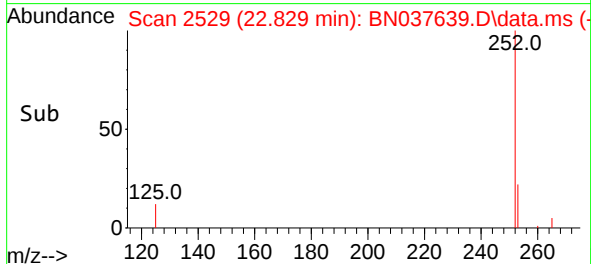
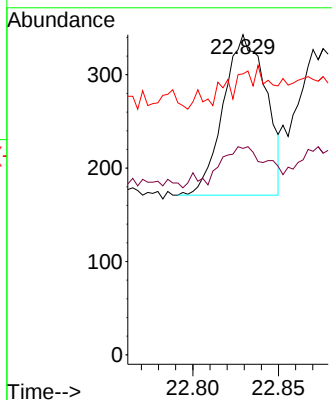


#37
Benzo(b)fluoranthene
Concen: 0.024 ng
RT: 22.829 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250814

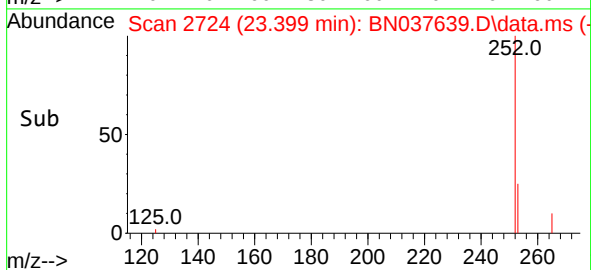
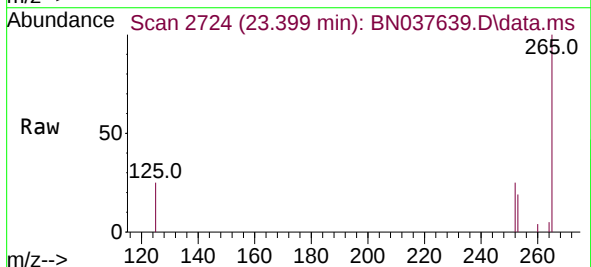
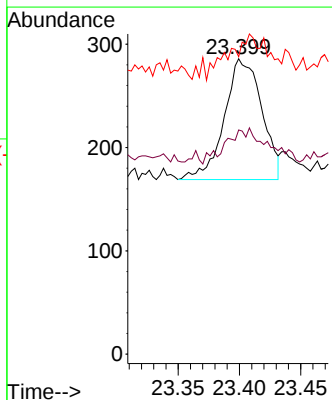


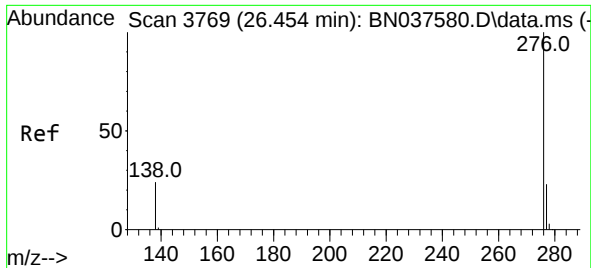
Tgt Ion:252 Resp: 298
Ion Ratio Lower Upper
252 100
253 64.4 20.0 30.0#
125 87.8 13.8 20.6#



#39
Benzo(a)pyrene
Concen: 0.024 ng
RT: 23.399 min Scan# 2724
Delta R.T. -0.012 min
Lab File: BN037639.D
Acq: 20 Aug 2025 20:34

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# 31

Delta R.T. -0.006 min

Lab File: BN037639.D

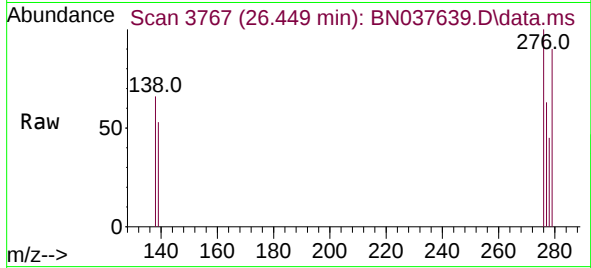
Acq: 20 Aug 2025 20:34

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250814



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#

