

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022425\
 Data File : BN036501.D
 Acq On : 24 Feb 2025 16:13
 Operator : RC/JU
 Sample : Q1402-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250219DL

Quant Time: Feb 24 16:42:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 11 01:17:14 2025
 Response via : Initial Calibration

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

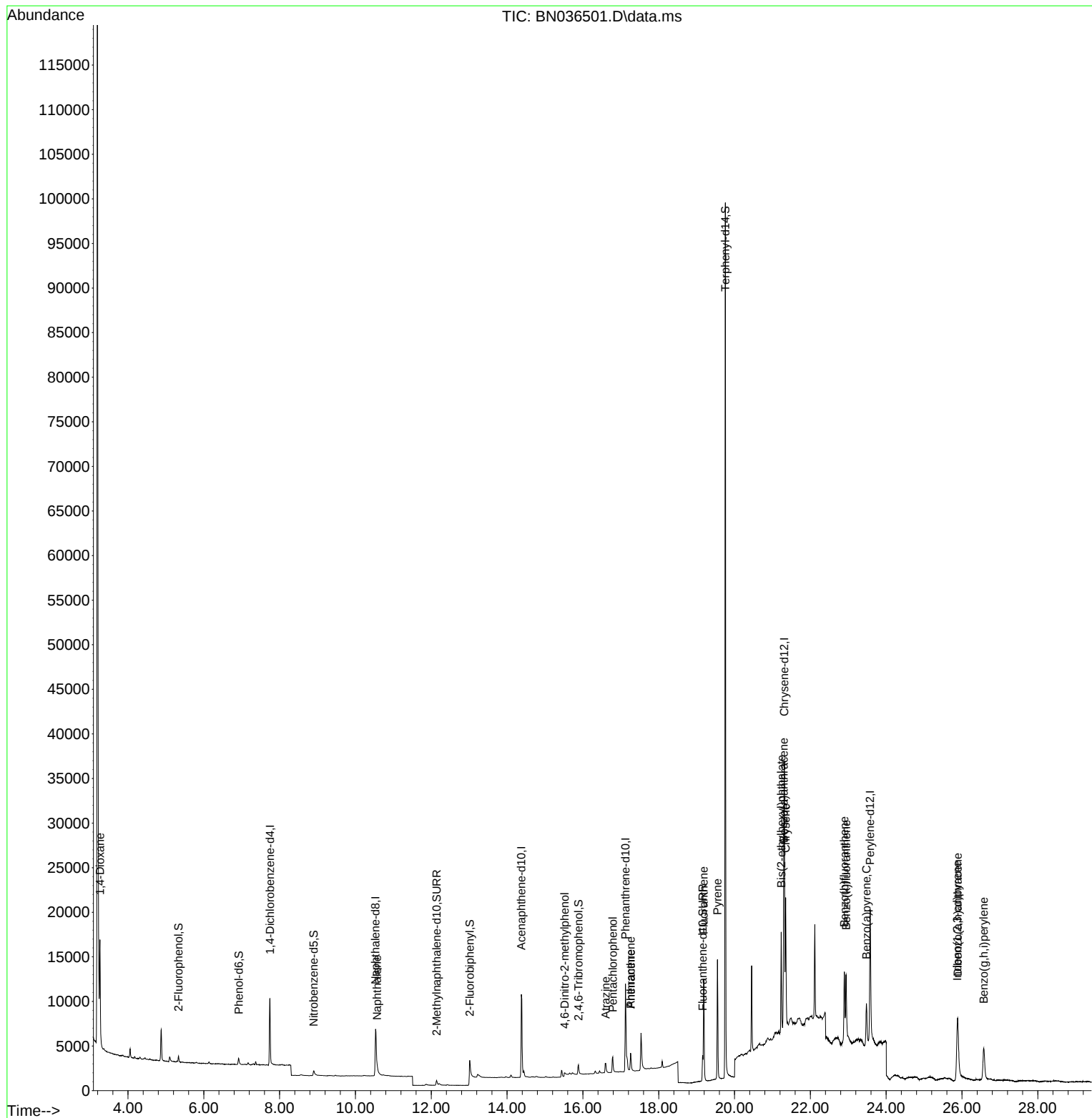
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	3817	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	9950	0.400	ng	-0.01
13) Acenaphthene-d10	14.377	164	6752	0.400	ng	-0.01
19) Phenanthrene-d10	17.124	188	14788	0.400	ng	-0.01
29) Chrysene-d12	21.313	240	26601	0.400	ng	# 0.00
35) Perylene-d12	23.578	264	21200	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.334	112	484	0.054	ng	-0.01
5) Phenol-d6	6.923	99	754	0.071	ng	-0.01
8) Nitrobenzene-d5	8.896	82	787	0.080	ng	-0.01
11) 2-Methylnaphthalene-d10	12.141	152	1222	0.080	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	750	0.224	ng	0.00
15) 2-Fluorobiphenyl	13.019	172	2901	0.114	ng	0.00
27) Fluoranthene-d10	19.159	212	3560	0.087	ng	0.00
31) Terphenyl-d14	19.759	244	93200	1.641	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.261	88	5789	1.386	ng	99
9) Naphthalene	10.573	128	962	0.034	ng	# 67
20) 4,6-Dinitro-2-methylph...	15.522	198	176	0.061	ng	# 35
23) Atrazine	16.602	200	1306	0.177	ng	96
24) Pentachlorophenol	16.788	266	1090	0.211	ng	100
25) Phenanthrene	17.260	178	2345	0.055	ng	99
26) Anthracene	17.260	178	2566	0.068	ng	100
28) Fluoranthene	19.187	202	11011	0.210	ng	98
30) Pyrene	19.550	202	12112	0.118	ng	99
32) Benzo(a)anthracene	21.295	228	10402	0.119	ng	98
33) Chrysene	21.348	228	12311	0.130	ng	100
34) Bis(2-ethylhexyl)phtha...	21.232	149	9728	0.178	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.873	276	9820	0.133	ng	93
37) Benzo(b)fluoranthene	22.896	252	9785	0.140	ng	# 64
38) Benzo(k)fluoranthene	22.943	252	10607	0.148	ng	# 63
39) Benzo(a)pyrene	23.481	252	6675	0.110	ng	# 44
40) Dibenzo(a,h)anthracene	25.890	278	7504	0.128	ng	# 80
41) Benzo(g,h,i)perylene	26.571	276	7909	0.119	ng	# 90

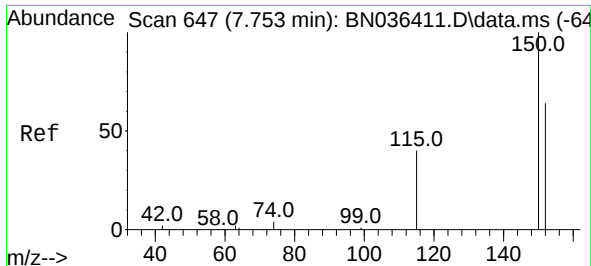
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022425\
Data File : BN036501.D
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Instrument :
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RW5-SP100-20250219DL

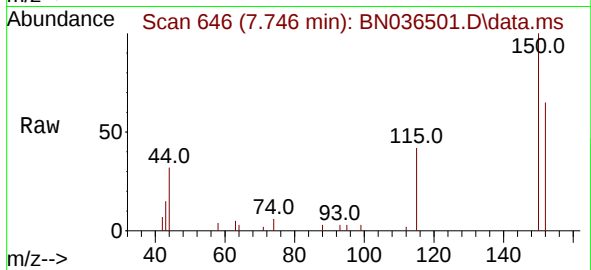
Quant Time: Feb 24 16:42:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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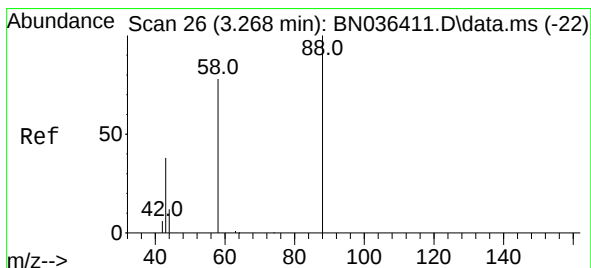
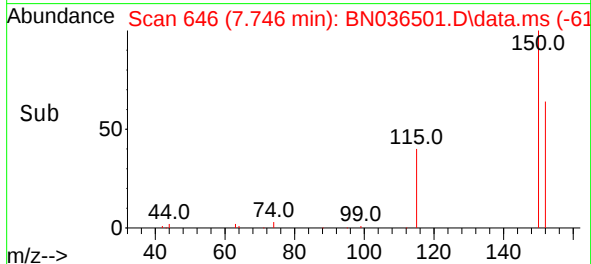
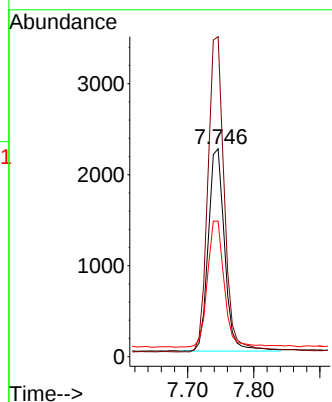


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.746 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250219DL

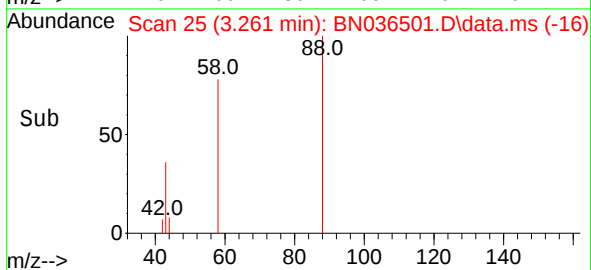
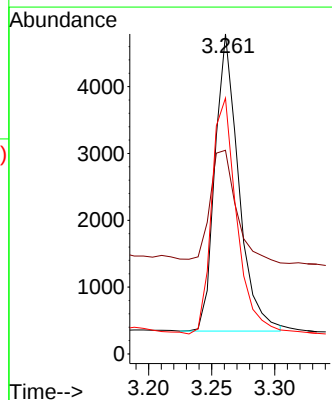
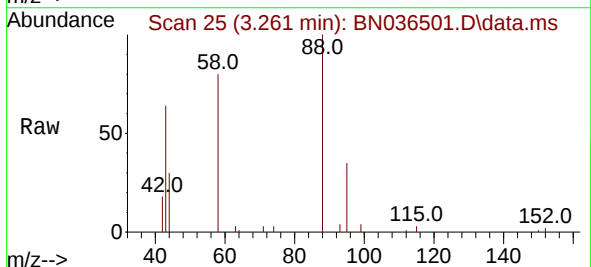


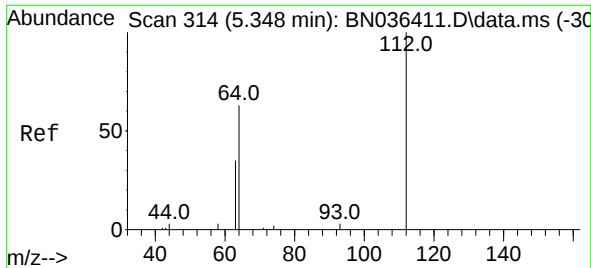
Tgt Ion:152 Resp: 3817
Ion Ratio Lower Upper
152 100
150 154.0 123.7 185.5
115 65.2 52.5 78.7



#2
1,4-Dioxane
Concen: 1.386 ng
RT: 3.261 min Scan# 25
Delta R.T. -0.007 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

Tgt Ion: 88 Resp: 5789
Ion Ratio Lower Upper
88 100
43 42.1 33.7 50.5
58 84.4 68.9 103.3

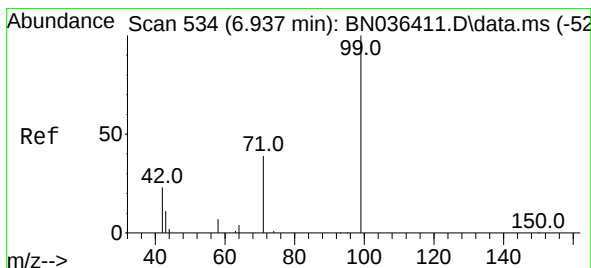
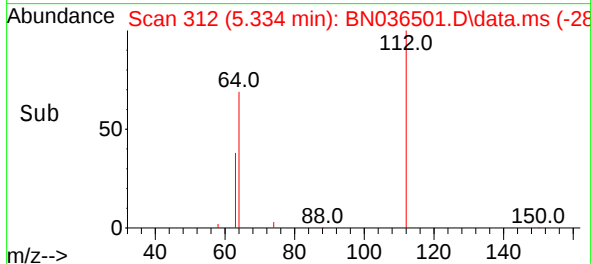
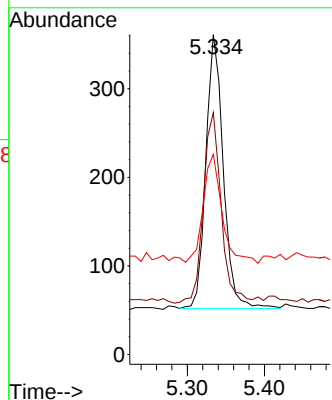
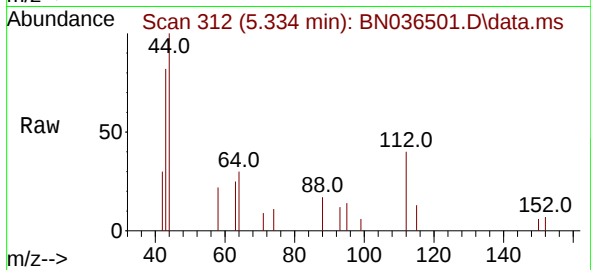




#4
2-Fluorophenol
Concen: 0.054 ng
RT: 5.334 min Scan# 314
Delta R.T. -0.015 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

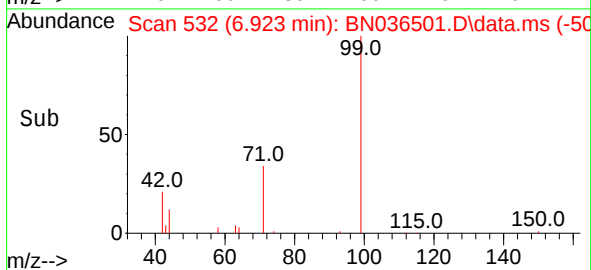
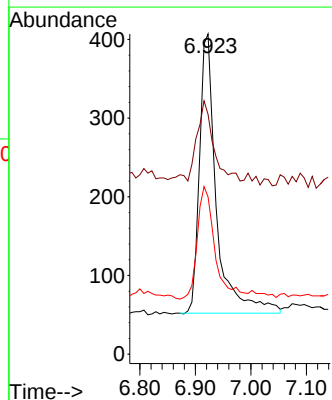
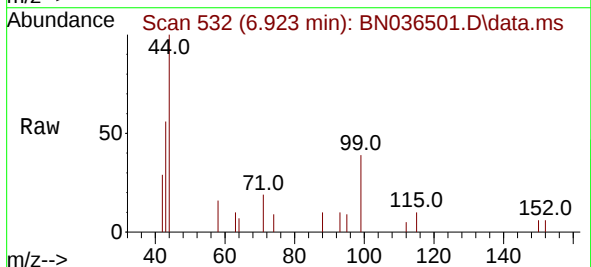
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250219DL

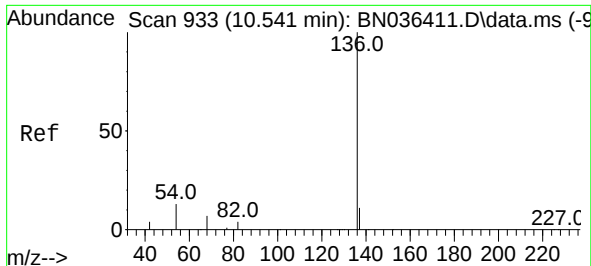
Tgt Ion:112 Resp: 484
Ion Ratio Lower Upper
112 100
64 71.1 53.4 80.0
63 42.8 30.3 45.5



#5
Phenol-d6
Concen: 0.071 ng
RT: 6.923 min Scan# 532
Delta R.T. -0.015 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

Tgt Ion: 99 Resp: 754
Ion Ratio Lower Upper
99 100
42 30.9 21.7 32.5
71 41.8 32.6 49.0

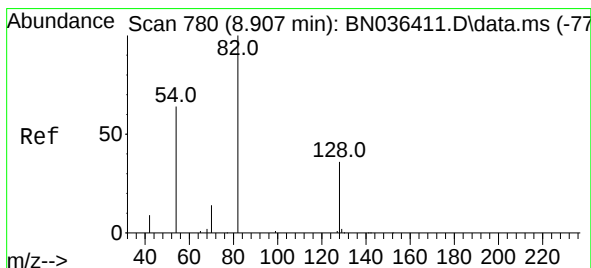
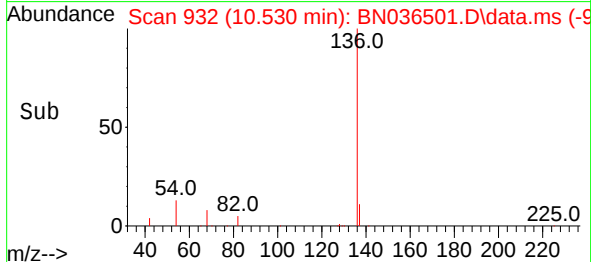
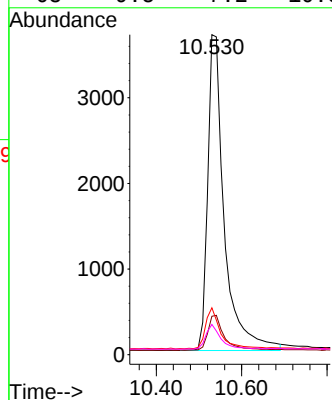
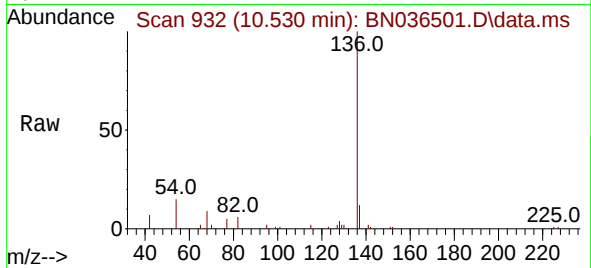




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

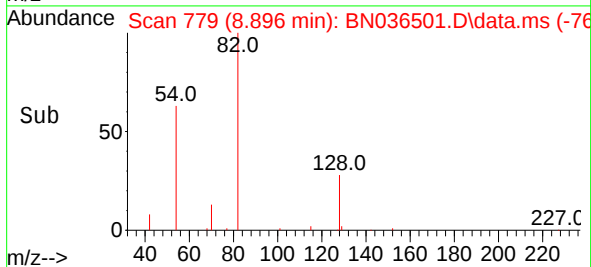
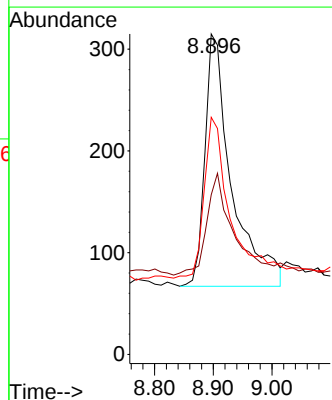
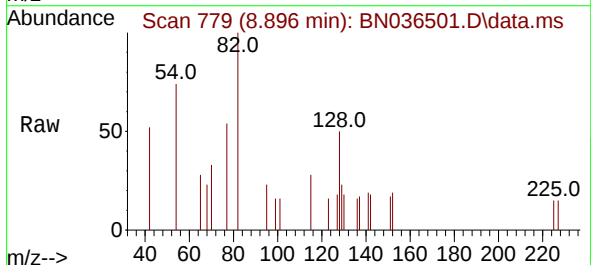
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250219DL

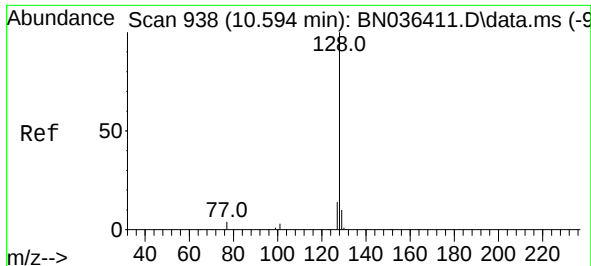
Tgt Ion:	136	Resp:	9950
Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.1	15.1
54	14.6	11.8	17.6
68	9.5	7.2	10.8



#8
Nitrobenzene-d5
Concen: 0.080 ng
RT: 8.896 min Scan# 779
Delta R.T. -0.011 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

Tgt Ion:	82	Resp:	787
Ion	Ratio	Lower	Upper
82	100		
128	49.8	31.9	47.9#
54	74.0	53.1	79.7

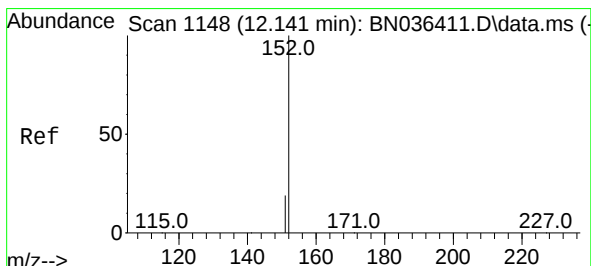
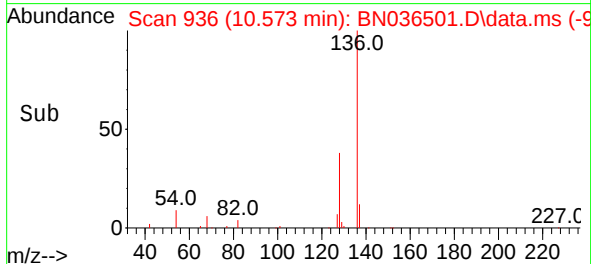
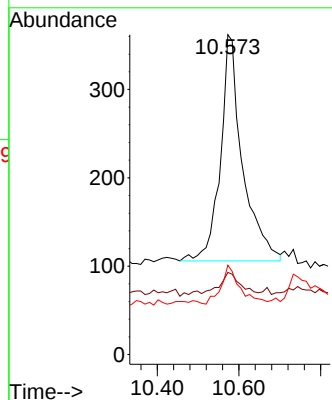
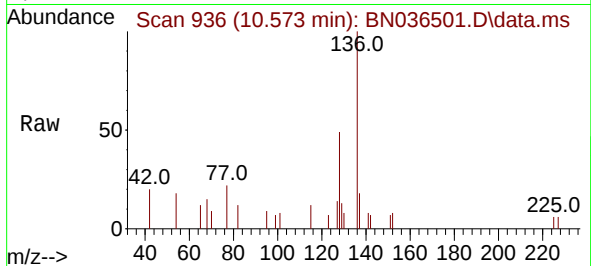




#9
Naphthalene
Concen: 0.034 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.022 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

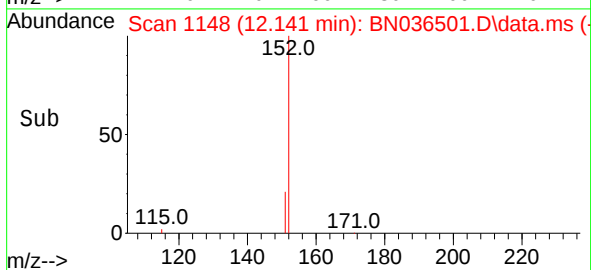
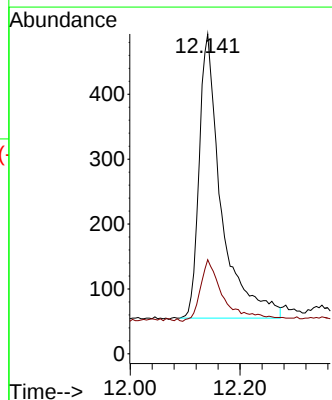
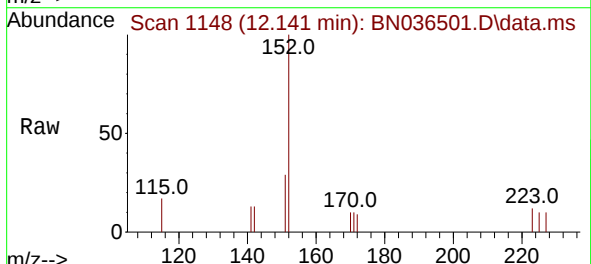
Instrument :
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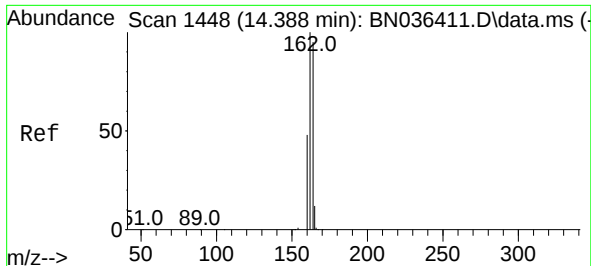
Tgt Ion:128 Resp: 962
Ion Ratio Lower Upper
128 100
129 25.7 9.6 14.4#
127 27.9 12.0 18.0#



#11
2-Methylnaphthalene-d10
Concen: 0.080 ng
RT: 12.141 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

Tgt Ion:152 Resp: 1222
Ion Ratio Lower Upper
152 100
151 23.7 16.6 25.0

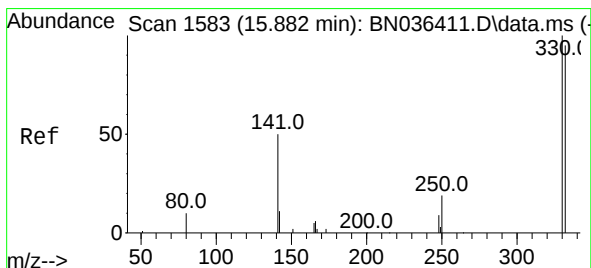
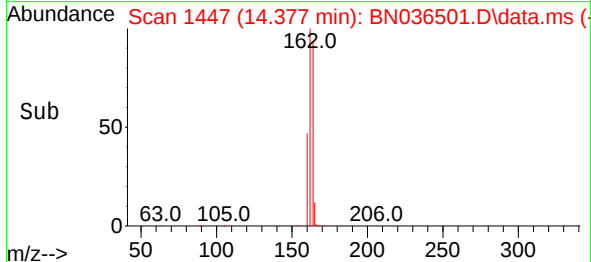
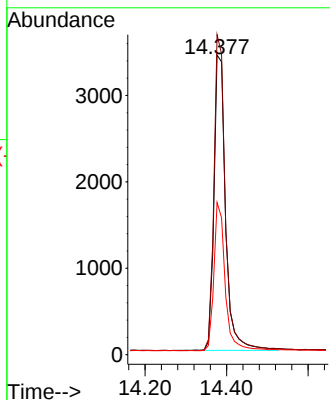
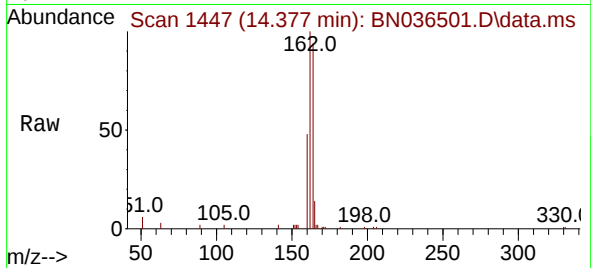




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.377 min Scan# 1447
Delta R.T. -0.011 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

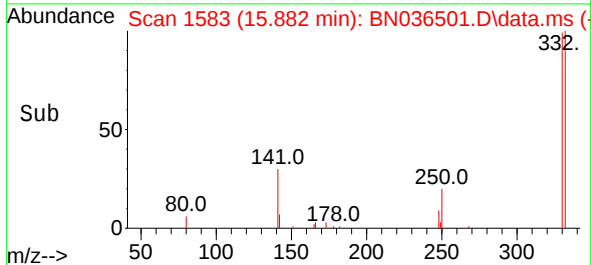
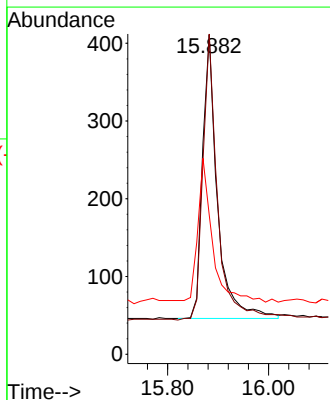
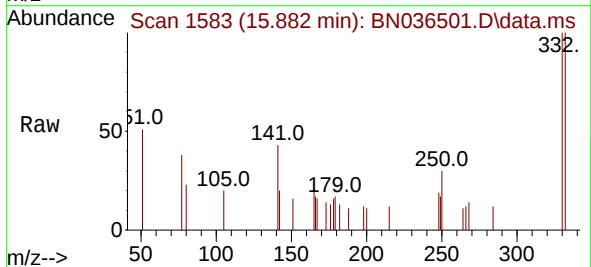
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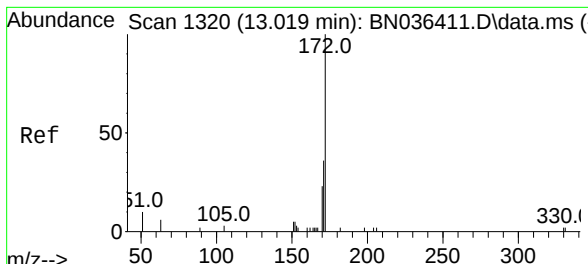
Tgt Ion:164 Resp: 6752
Ion Ratio Lower Upper
164 100
162 106.8 84.1 126.1
160 50.8 41.4 62.0



#14
2,4,6-Tribromophenol
Concen: 0.224 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

Tgt Ion:330 Resp: 750
Ion Ratio Lower Upper
330 100
332 99.1 76.6 114.8
141 50.7 37.8 56.8

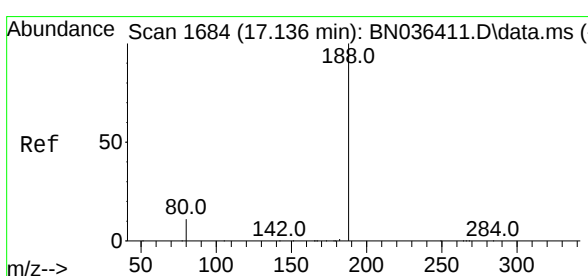
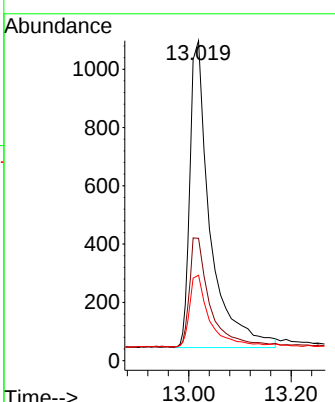
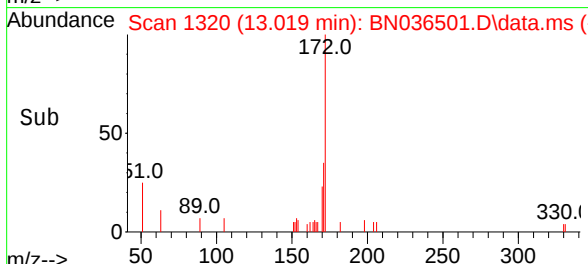
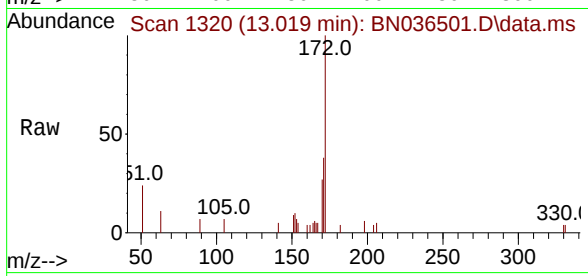




#15
 2-Fluorobiphenyl
 Concen: 0.114 ng
 RT: 13.019 min Scan# 1320
 Delta R.T. -0.000 min
 Lab File: BN036501.D
 Acq: 24 Feb 2025 16:13

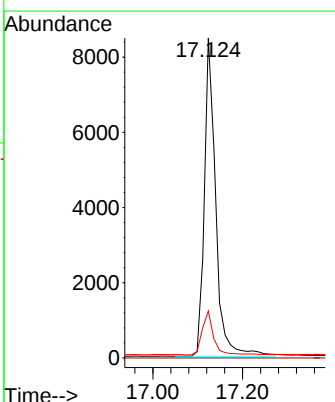
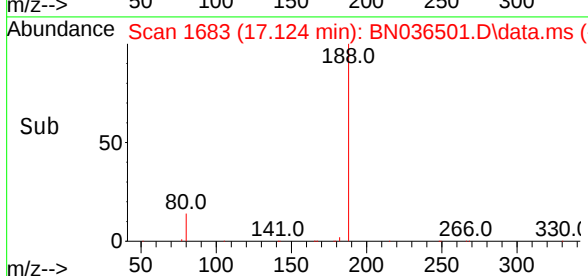
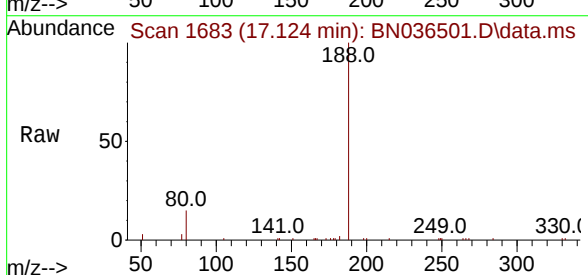
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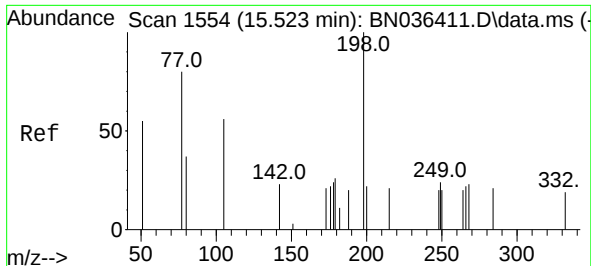
Tgt Ion:	172	Resp:	2901
Ion Ratio	Lower	Upper	
172	100		
171	38.3	29.6	44.4
170	26.7	19.8	29.6



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.124 min Scan# 1683
 Delta R.T. -0.013 min
 Lab File: BN036501.D
 Acq: 24 Feb 2025 16:13

Tgt Ion:	188	Resp:	14788
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	14.6	9.8	14.6





#20

4,6-Dinitro-2-methylphenol

Concen: 0.061 ng

RT: 15.522 min Scan# 1554

Delta R.T. -0.001 min

Lab File: BN036501.D

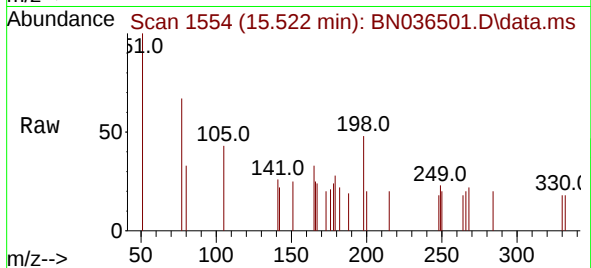
Acq: 24 Feb 2025 16:13

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20250219DL



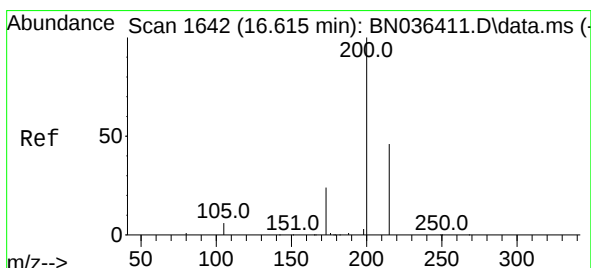
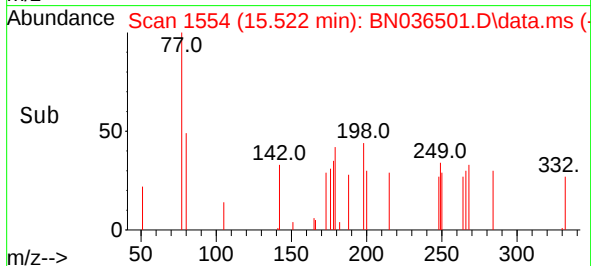
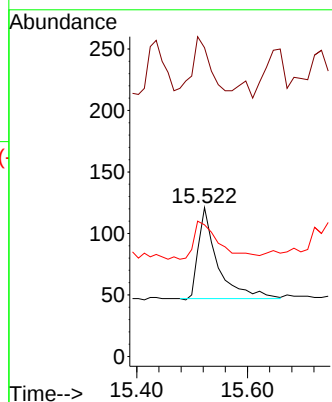
Tgt Ion:198 Resp: 176

Ion Ratio Lower Upper

198 100

51 207.4 86.6 129.8#

105 88.4 57.5 86.3#



#23

Atrazine

Concen: 0.177 ng

RT: 16.602 min Scan# 1641

Delta R.T. -0.013 min

Lab File: BN036501.D

Acq: 24 Feb 2025 16:13

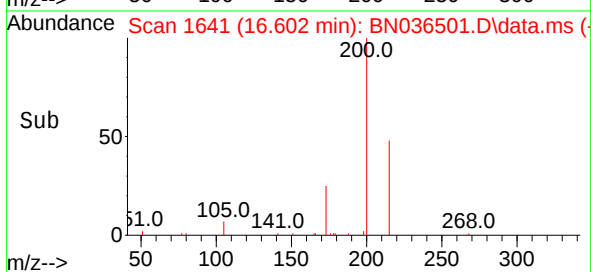
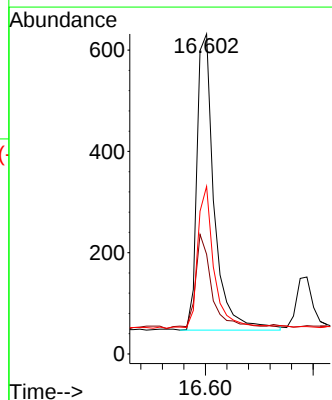
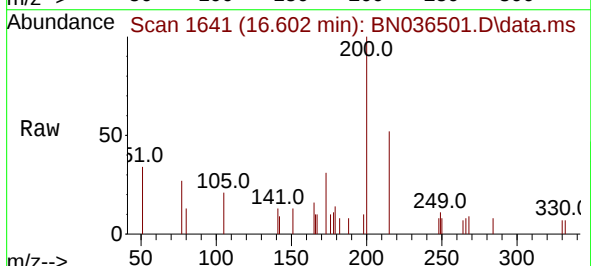
Tgt Ion:200 Resp: 1306

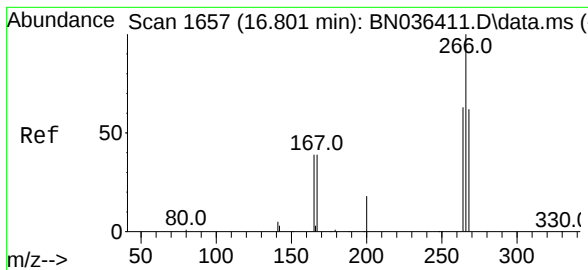
Ion Ratio Lower Upper

200 100

173 31.2 23.2 34.8

215 52.4 40.0 60.0

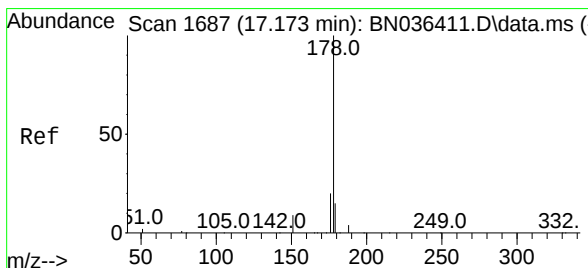
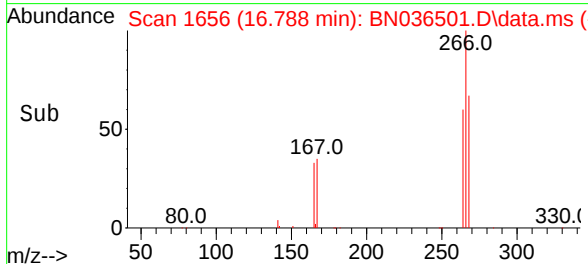
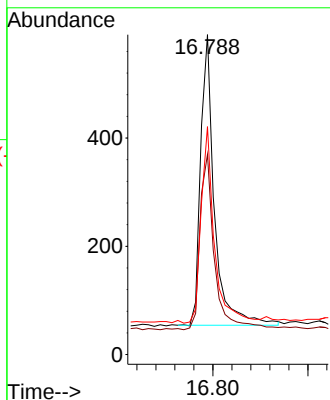
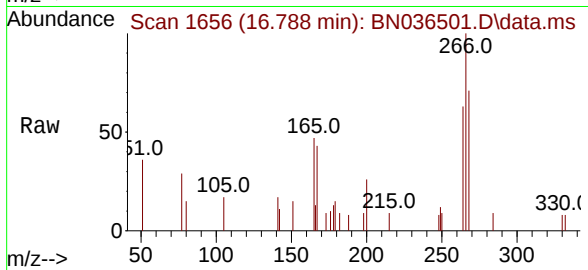




#24
 Pentachlorophenol
 Concen: 0.211 ng
 RT: 16.788 min Scan# 1656
 Delta R.T. -0.013 min
 Lab File: BN036501.D
 Acq: 24 Feb 2025 16:13

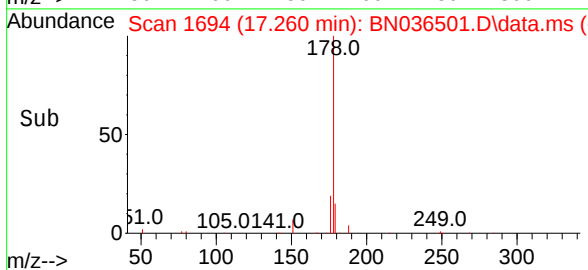
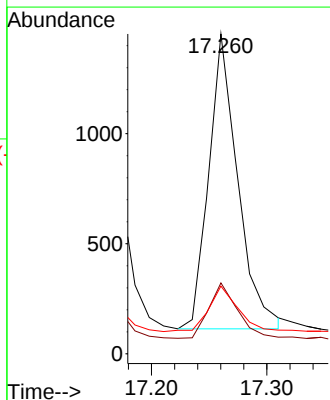
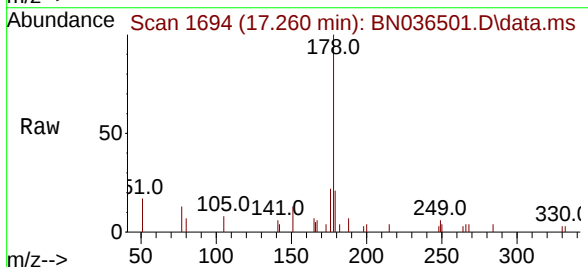
Instrument : BNA_N
 ClientSampleId : RW5-SP100-20250219DL

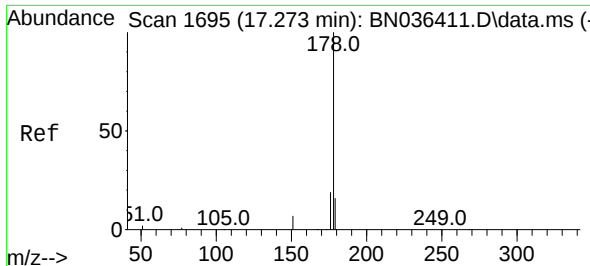
Tgt Ion:	266	Resp:	1090
Ion Ratio	Lower	Upper	
266	100		
264	63.4	50.6	76.0
268	64.9	51.9	77.9



#25
 Phenanthrene
 Concen: 0.055 ng
 RT: 17.260 min Scan# 1694
 Delta R.T. 0.087 min
 Lab File: BN036501.D
 Acq: 24 Feb 2025 16:13

Tgt Ion:	178	Resp:	2345
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.7	23.5
179	15.5	12.4	18.6

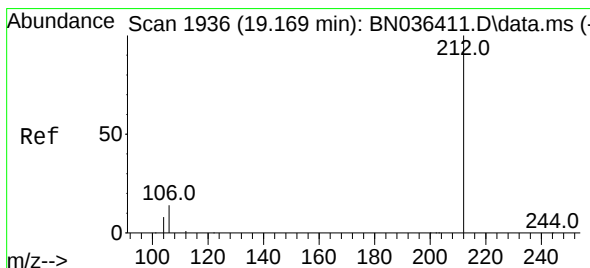
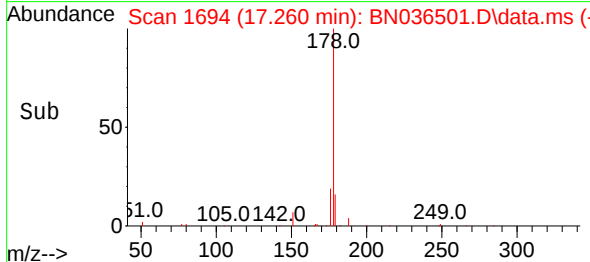
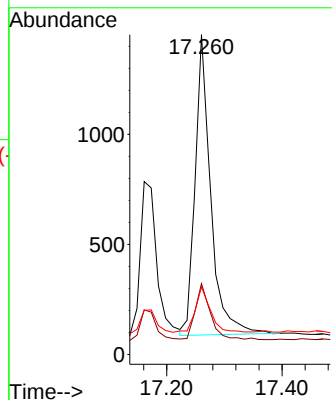
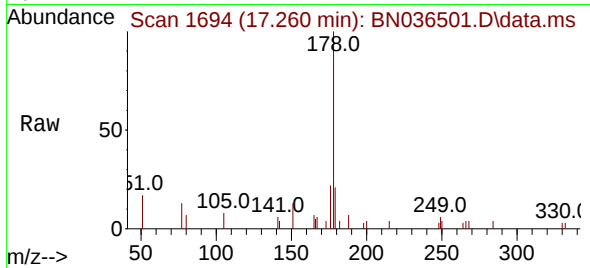




#26
 Anthracene
 Concen: 0.068 ng
 RT: 17.260 min Scan# 1694
 Delta R.T. -0.013 min
 Lab File: BN036501.D
 Acq: 24 Feb 2025 16:13

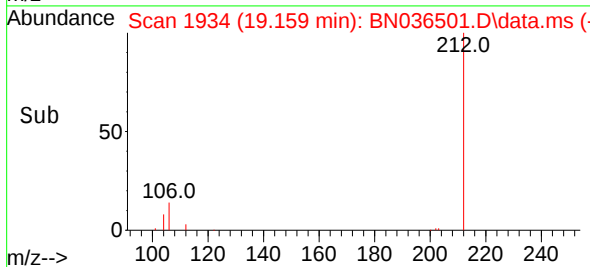
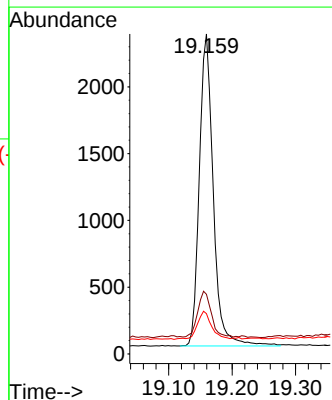
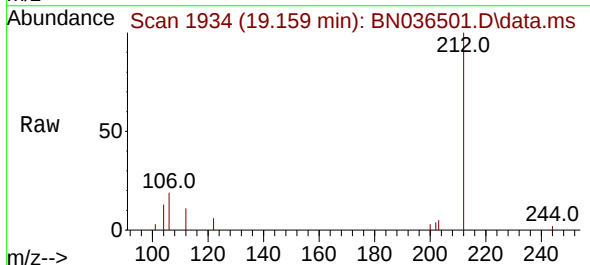
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250219DL

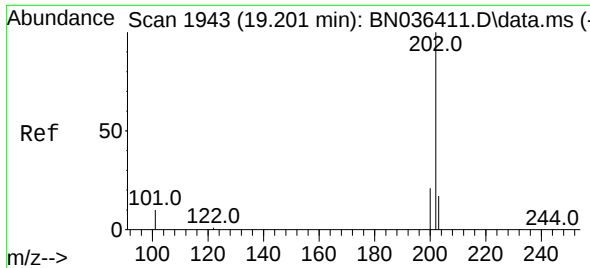
Tgt Ion:	178	Resp:	2566
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.9	22.3
179	15.3	12.4	18.6



#27
 Fluoranthene-d10
 Concen: 0.087 ng
 RT: 19.159 min Scan# 1934
 Delta R.T. -0.009 min
 Lab File: BN036501.D
 Acq: 24 Feb 2025 16:13

Tgt Ion:	212	Resp:	3560
Ion Ratio	Lower	Upper	
212	100		
106	14.6	11.5	17.3
104	9.2	7.1	10.7

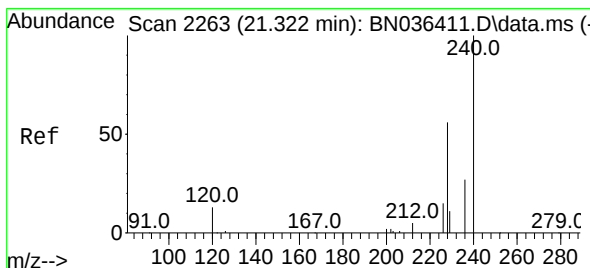
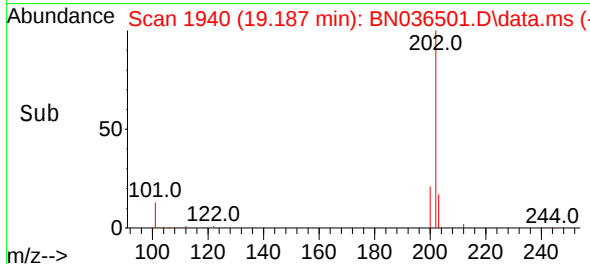
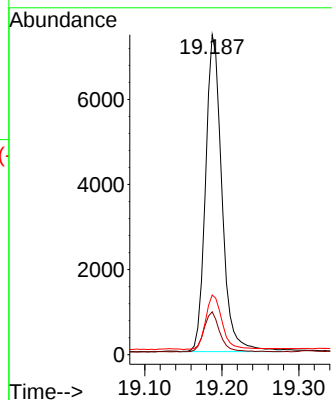
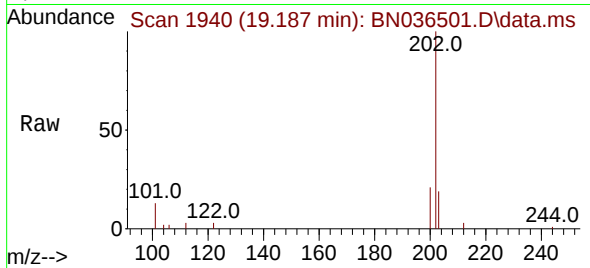




#28
Fluoranthene
Concen: 0.210 ng
RT: 19.187 min Scan# 1943
Delta R.T. -0.014 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

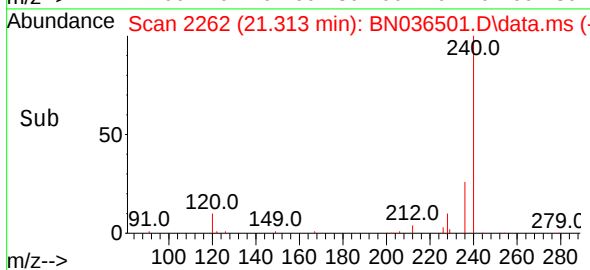
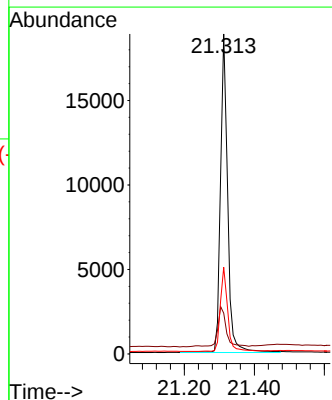
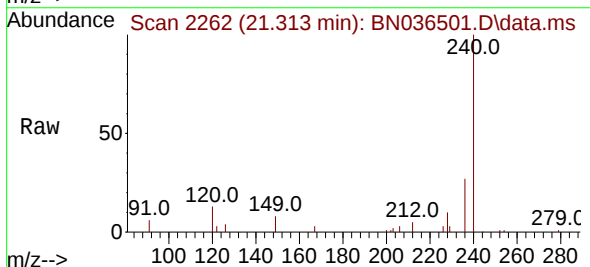
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250219DL

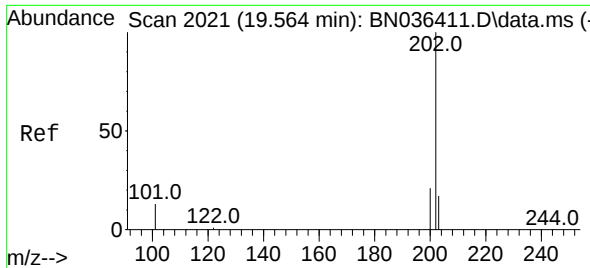
Tgt Ion:202 Resp: 11011
Ion Ratio Lower Upper
202 100
101 12.5 9.2 13.8
203 17.4 13.4 20.0



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

Tgt Ion:240 Resp: 26601
Ion Ratio Lower Upper
240 100
120 12.7 13.3 19.9#
236 27.1 23.0 34.6

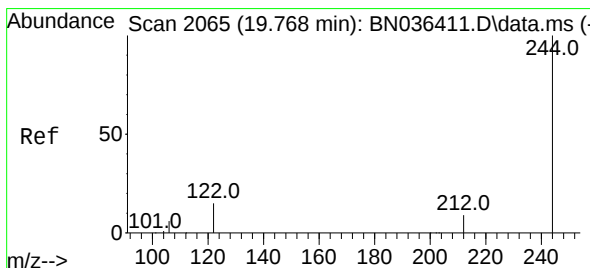
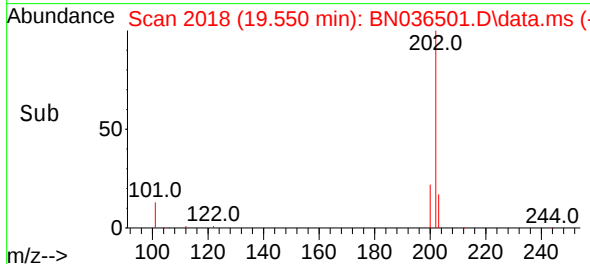
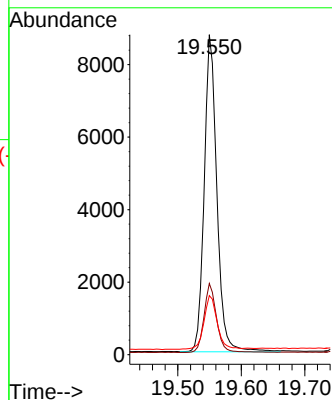
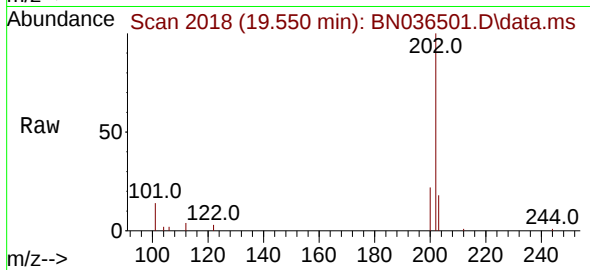




#30
Pyrene
Concen: 0.118 ng
RT: 19.550 min Scan# 2021
Delta R.T. -0.014 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

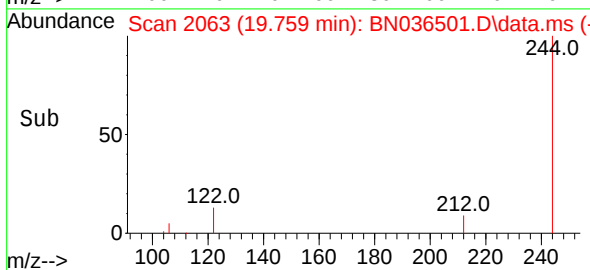
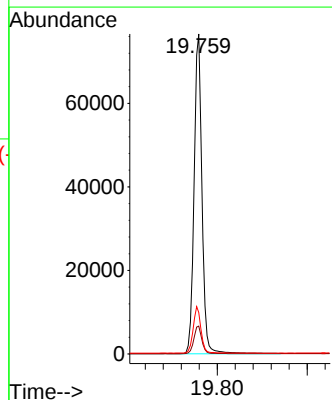
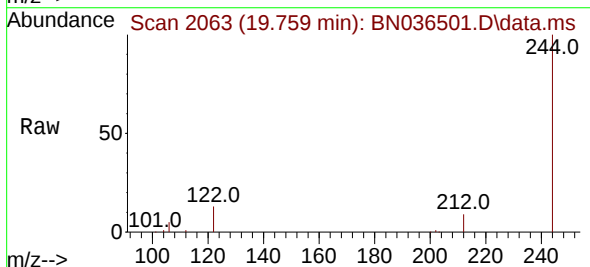
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250219DL

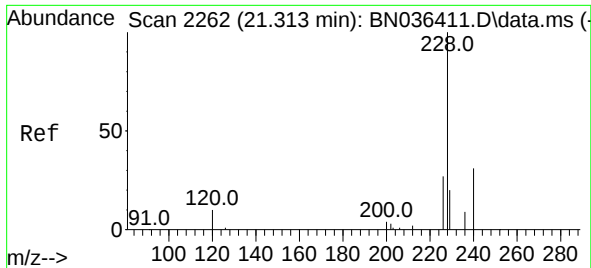
Tgt Ion:202 Resp: 12112
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 17.6 13.9 20.9



#31
Terphenyl-d14
Concen: 1.641 ng
RT: 19.759 min Scan# 2063
Delta R.T. -0.009 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

Tgt Ion:244 Resp: 93200
Ion Ratio Lower Upper
244 100
212 8.7 8.1 12.1
122 13.0 12.8 19.2

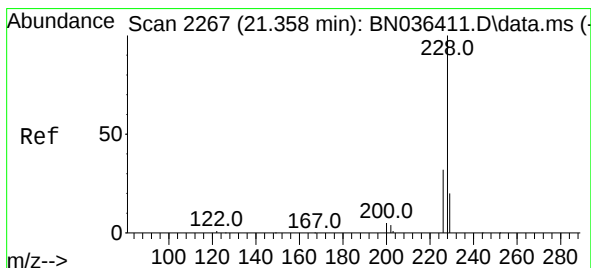
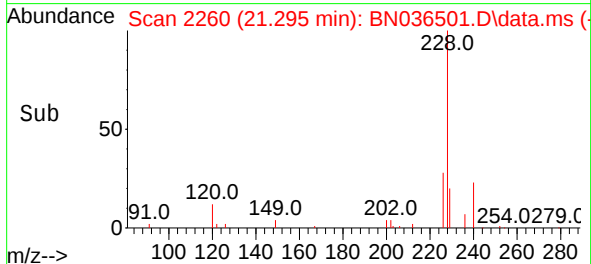
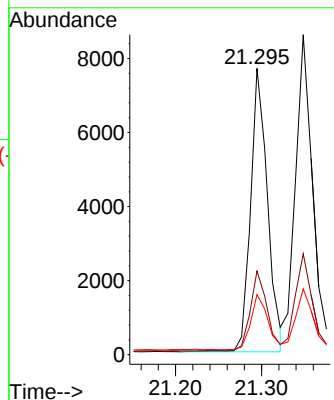
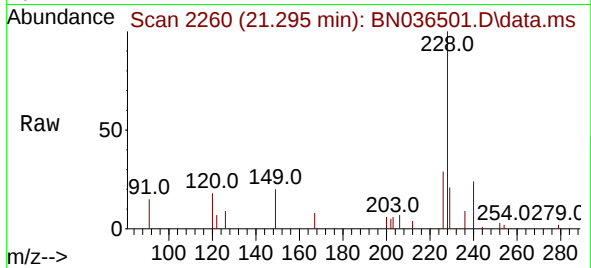




#32
Benzo(a)anthracene
Concen: 0.119 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

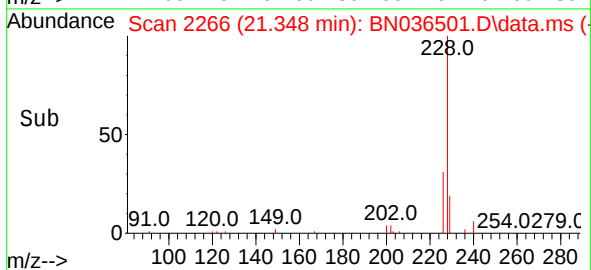
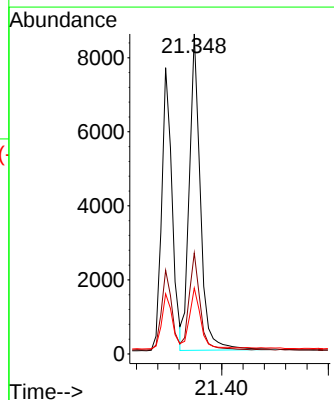
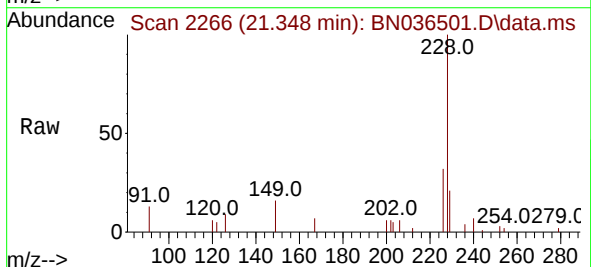
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250219DL

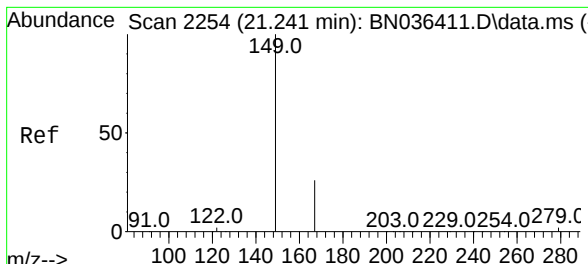
Tgt Ion:228 Resp: 10402
Ion Ratio Lower Upper
228 100
226 29.3 22.2 33.2
229 21.0 16.5 24.7



#33
Chrysene
Concen: 0.130 ng
RT: 21.348 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

Tgt Ion:228 Resp: 12311
Ion Ratio Lower Upper
228 100
226 31.6 25.5 38.3
229 20.6 16.4 24.6

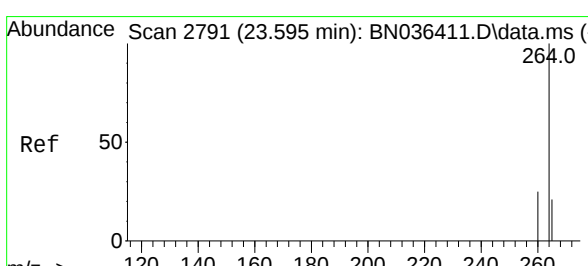
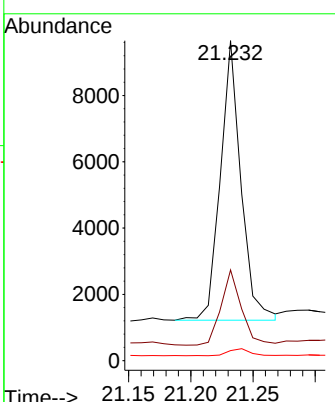
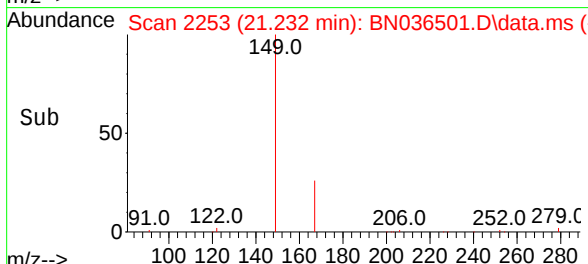
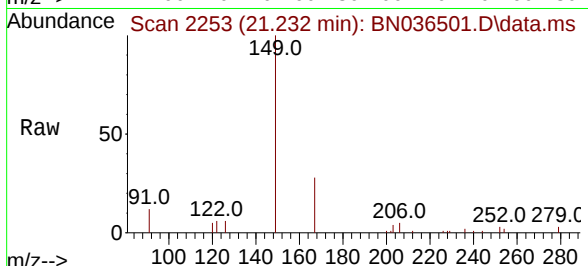




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.178 ng
 RT: 21.232 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN036501.D
 Acq: 24 Feb 2025 16:13

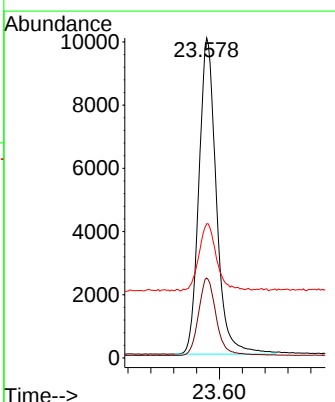
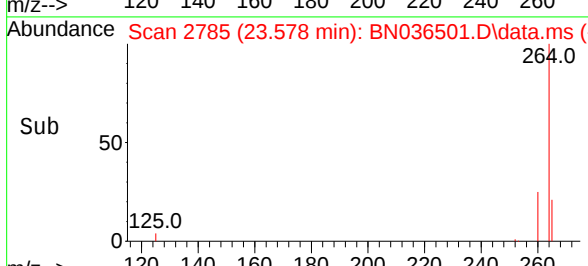
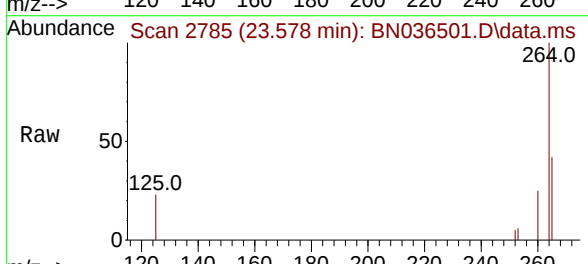
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250219DL

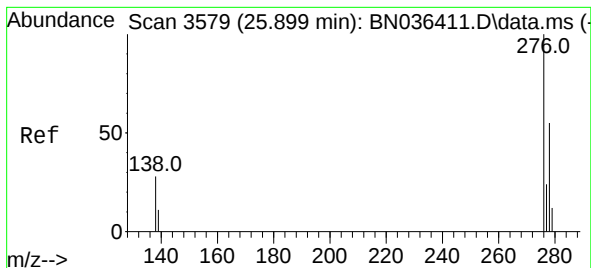
Tgt Ion:	149	Resp:	9728
Ion Ratio	Lower	Upper	
149	100		
167	26.7	21.2	31.8
279	2.6	2.7	4.1#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.578 min Scan# 2785
 Delta R.T. -0.018 min
 Lab File: BN036501.D
 Acq: 24 Feb 2025 16:13

Tgt Ion:	264	Resp:	21200
Ion Ratio	Lower	Upper	
264	100		
260	25.0	20.9	31.3
265	41.9	60.7	91.1#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.133 ng

RT: 25.873 min Scan# 3570

Delta R.T. -0.026 min

Lab File: BN036501.D

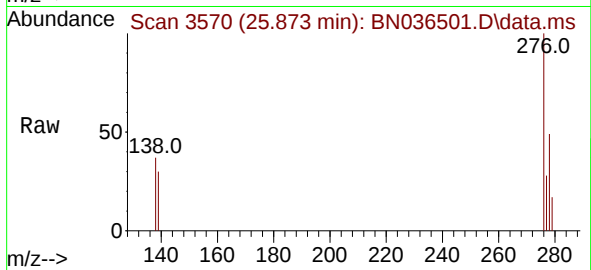
Acq: 24 Feb 2025 16:13

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20250219DL



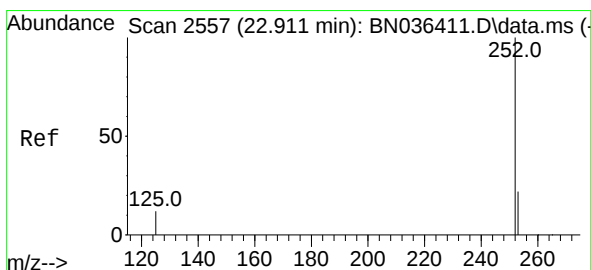
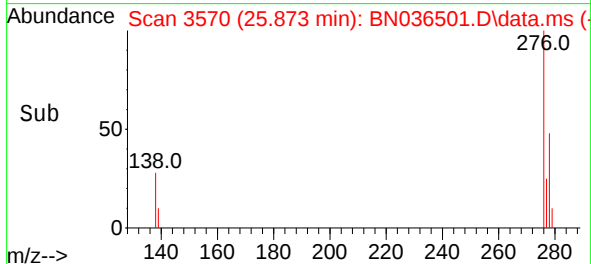
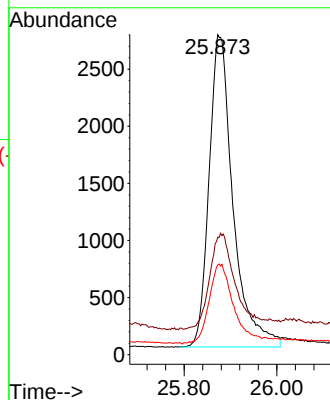
Tgt Ion:276 Resp: 9820

Ion Ratio Lower Upper

276 100

138 33.0 22.2 33.2

277 26.3 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 0.140 ng

RT: 22.896 min Scan# 2552

Delta R.T. -0.015 min

Lab File: BN036501.D

Acq: 24 Feb 2025 16:13

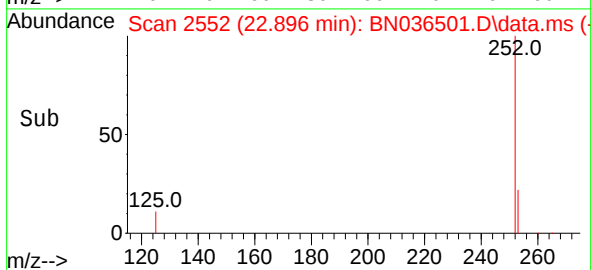
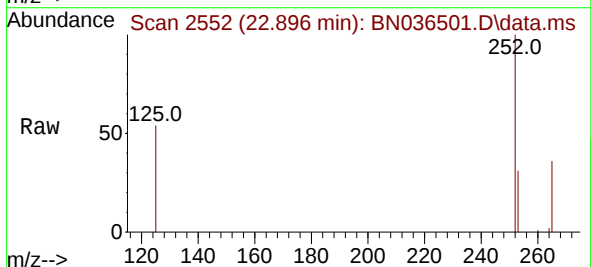
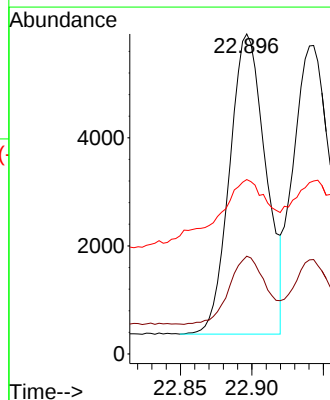
Tgt Ion:252 Resp: 9785

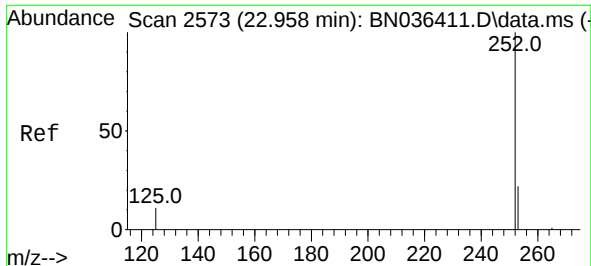
Ion Ratio Lower Upper

252 100

253 30.5 21.9 32.9

125 54.5 15.0 22.6#





#38

Benzo(k)fluoranthene

Concen: 0.148 ng

RT: 22.943 min Scan# 21

Delta R.T. -0.015 min

Lab File: BN036501.D

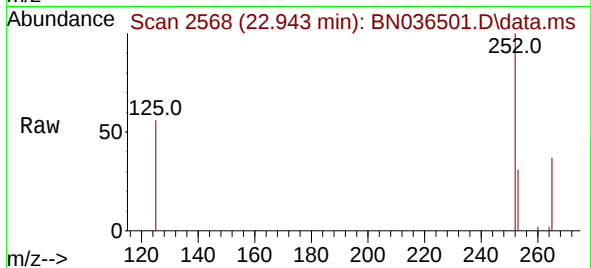
Acq: 24 Feb 2025 16:13

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20250219DL



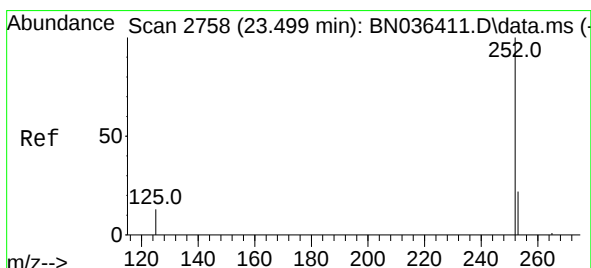
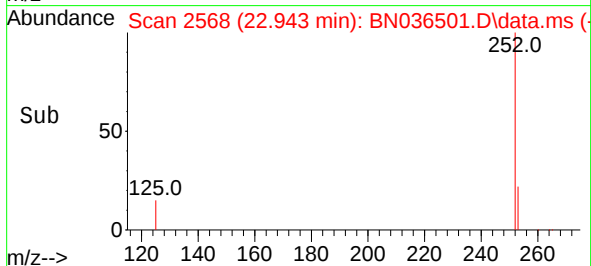
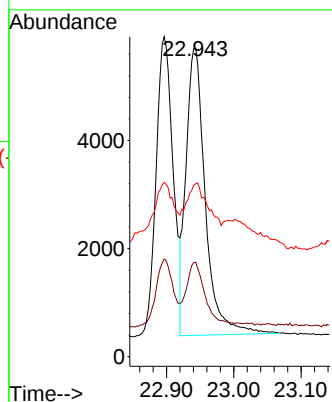
Tgt Ion:252 Resp: 10607

Ion Ratio Lower Upper

252 100

253 30.6 22.2 33.4

125 56.1 15.0 22.4#



#39

Benzo(a)pyrene

Concen: 0.110 ng

RT: 23.481 min Scan# 2752

Delta R.T. -0.018 min

Lab File: BN036501.D

Acq: 24 Feb 2025 16:13

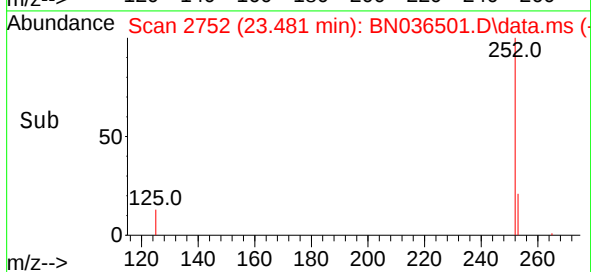
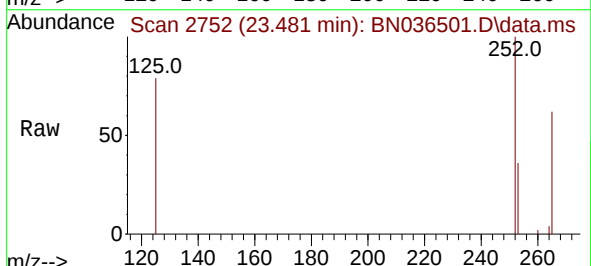
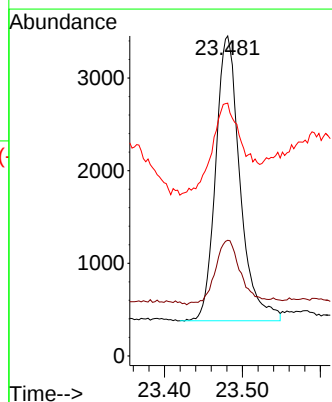
Tgt Ion:252 Resp: 6675

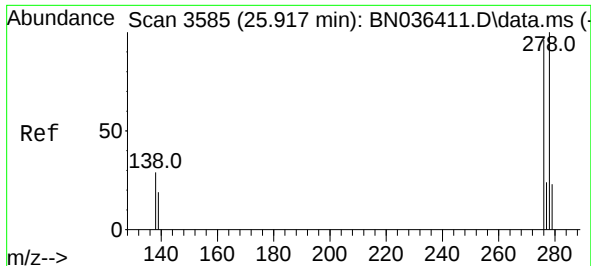
Ion Ratio Lower Upper

252 100

253 36.1 24.4 36.6

125 79.0 18.2 27.2#

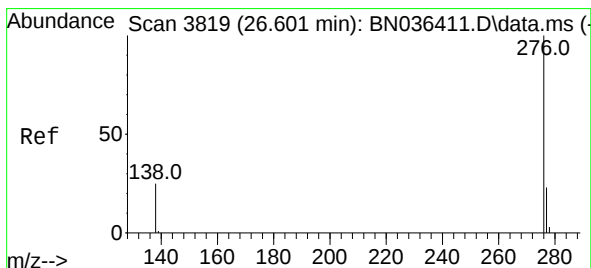
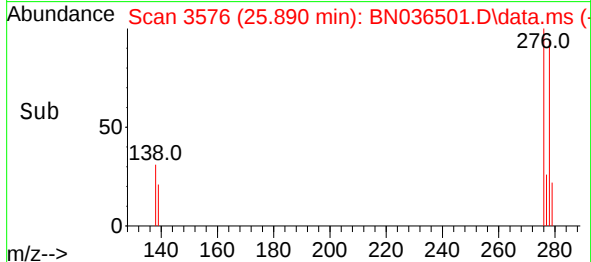
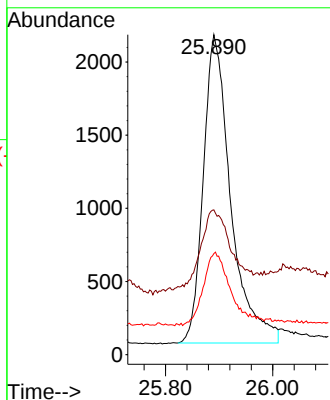
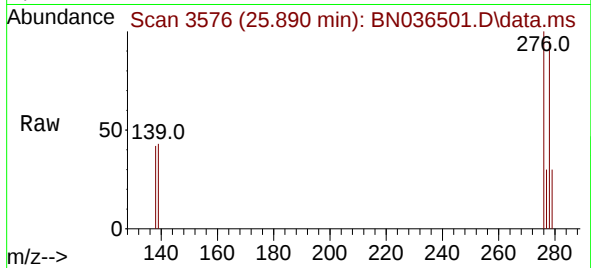




#40
Dibenzo(a,h)anthracene
Concen: 0.128 ng
RT: 25.890 min Scan# 31
Delta R.T. -0.026 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250219DL

Tgt Ion:278 Resp: 7504
Ion Ratio Lower Upper
278 100
139 45.2 18.5 27.7#
279 31.6 24.8 37.2



#41
Benzo(g,h,i)perylene
Concen: 0.119 ng
RT: 26.571 min Scan# 3809
Delta R.T. -0.029 min
Lab File: BN036501.D
Acq: 24 Feb 2025 16:13

Tgt Ion:276 Resp: 7909
Ion Ratio Lower Upper
276 100
277 26.9 20.7 31.1
138 36.0 21.8 32.6#

