

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030525\
 Data File : BN036526.D
 Acq On : 05 Mar 2025 16:18
 Operator : RC/JU
 Sample : Q1477-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW7-SP100-20250228

Quant Time: Mar 05 17:02:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 16:08:57 2025
 Response via : Initial Calibration

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

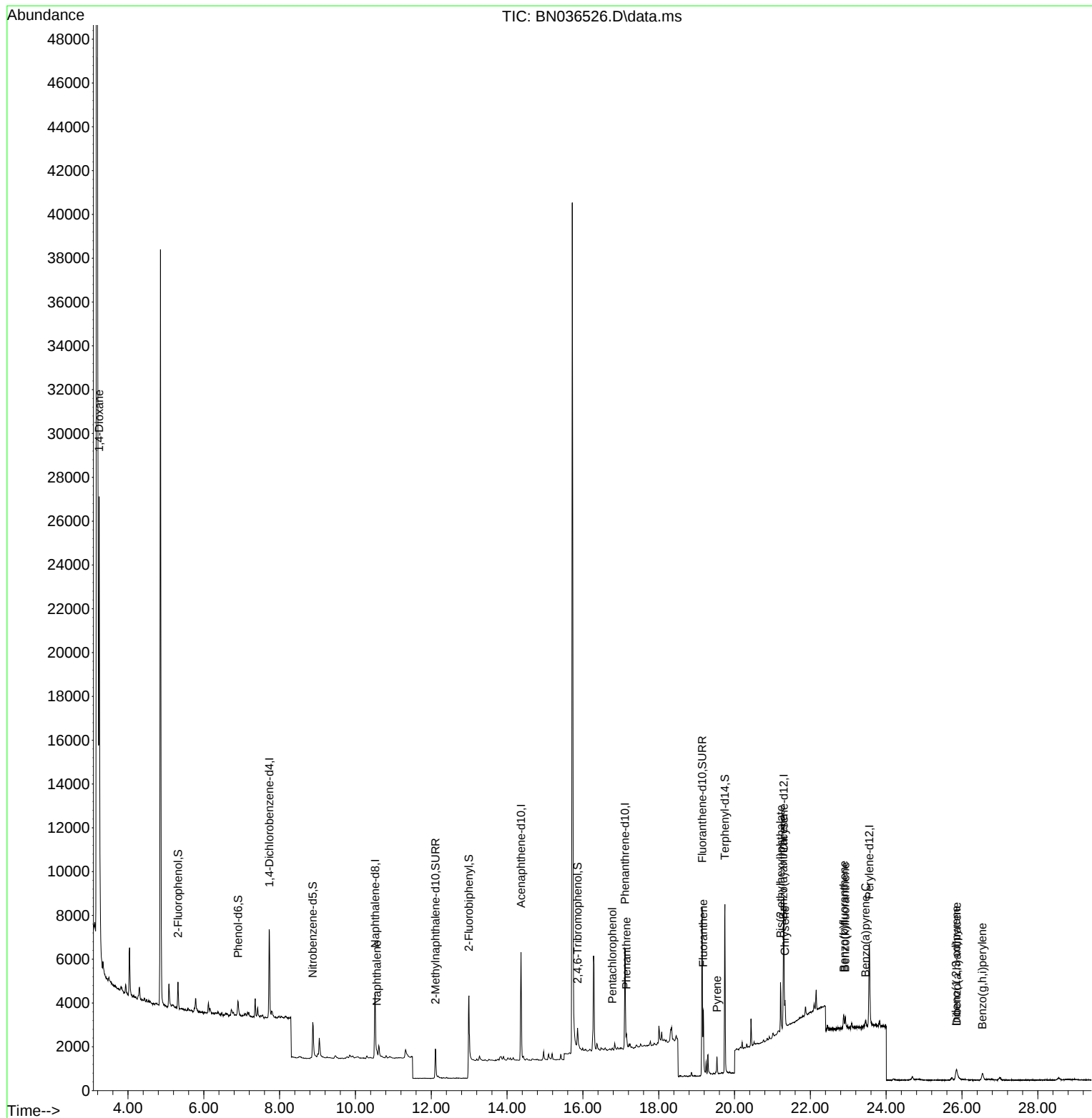
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	2030	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	4623	0.400	ng	0.01
13) Acenaphthene-d10	14.366	164	2883	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	6253	0.400	ng	0.00
29) Chrysene-d12	21.294	240	6117	0.400	ng	0.00
35) Perylene-d12	23.554	264	5519	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	863	0.180	ng	0.00
5) Phenol-d6	6.908	99	606	0.108	ng	0.00
8) Nitrobenzene-d5	8.875	82	1668	0.366	ng	0.00
11) 2-Methylnaphthalene-d10	12.110	152	2244	0.316	ng	0.00
14) 2,4,6-Tribromophenol	15.857	330	556	0.389	ng	0.00
15) 2-Fluorobiphenyl	12.993	172	5600	0.517	ng	0.00
27) Fluoranthene-d10	19.145	212	8827	0.508	ng	0.00
31) Terphenyl-d14	19.745	244	7115	0.545	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.239	88	9948	4.479	ng	97
9) Naphthalene	10.562	128	363	0.027	ng	# 44
24) Pentachlorophenol	16.776	266	65	0.030	ng	# 83
25) Phenanthrene	17.148	178	611	0.034	ng	# 96
28) Fluoranthene	19.173	202	783	0.035	ng	# 1
30) Pyrene	19.536	202	719	0.031	ng	98
32) Benzo(a)anthracene	21.285	228	627	0.031	ng	# 80
33) Chrysene	21.330	228	768	0.035	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.214	149	2328	0.186	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.846	276	782	0.041	ng	# 83
37) Benzo(b)fluoranthene	22.879	252	759	0.042	ng	# 15
38) Benzo(k)fluoranthene	22.922	252	737	0.039	ng	# 10
39) Benzo(a)pyrene	23.455	252	459	0.029	ng	# 1
40) Dibenzo(a,h)anthracene	25.864	278	594	0.039	ng	# 2
41) Benzo(g,h,i)perylene	26.536	276	718	0.042	ng	# 60

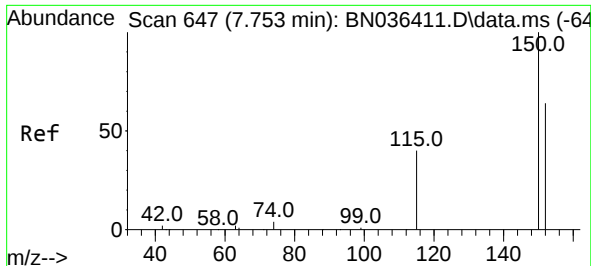
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030525\
Data File : BN036526.D
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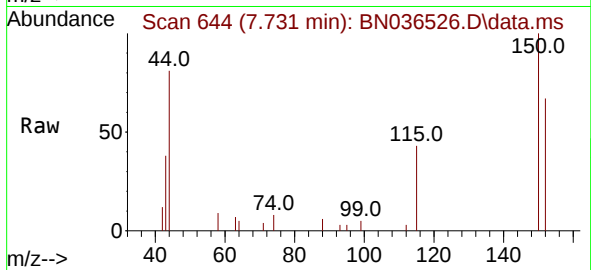
Quant Time: Mar 05 17:02:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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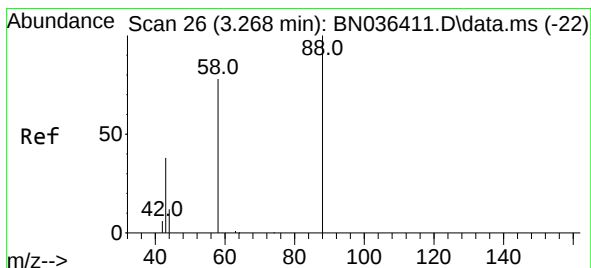
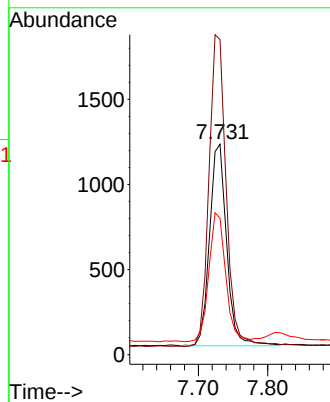
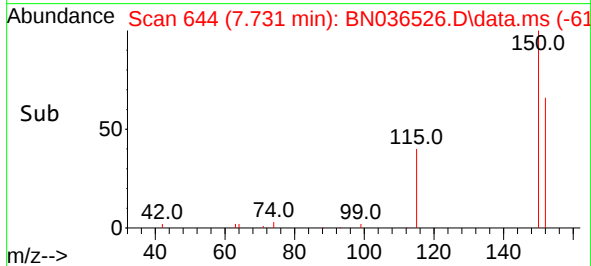


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.731 min Scan# 64
 Delta R.T. -0.001 min
 Lab File: BN036526.D
 Acq: 05 Mar 2025 16:18

Instrument :
 BNA_N
 ClientSampleId :
 RW7-SP100-20250228

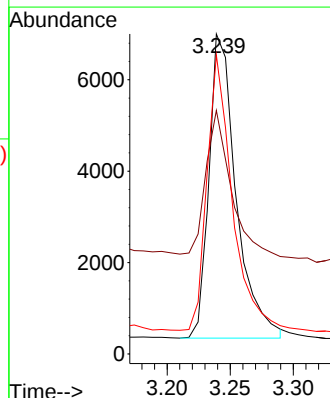
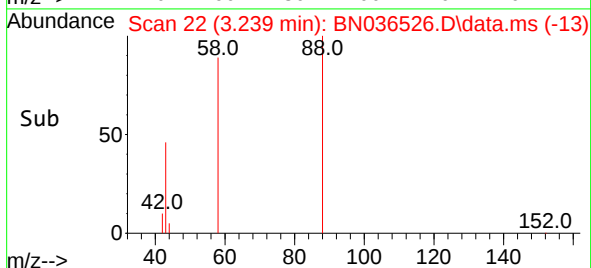
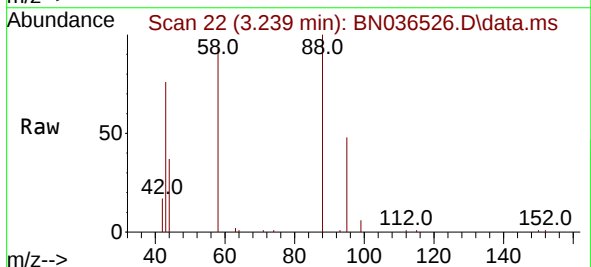


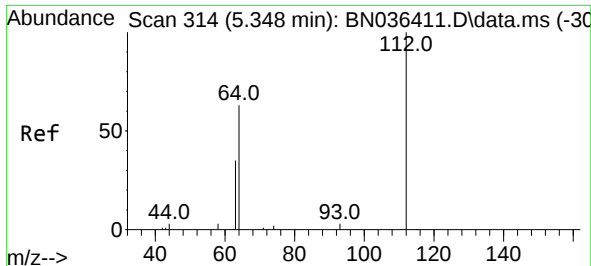
Tgt Ion: 152 Resp: 2030
 Ion Ratio Lower Upper
 152 100
 150 149.8 123.7 185.5
 115 64.8 52.5 78.7



#2
 1,4-Dioxane
 Concen: 4.479 ng
 RT: 3.239 min Scan# 22
 Delta R.T. -0.008 min
 Lab File: BN036526.D
 Acq: 05 Mar 2025 16:18

Tgt Ion: 88 Resp: 9948
 Ion Ratio Lower Upper
 88 100
 43 44.6 33.7 50.5
 58 84.0 68.9 103.3





#4

2-Fluorophenol

Concen: 0.180 ng

RT: 5.319 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN036526.D

Acq: 05 Mar 2025 16:18

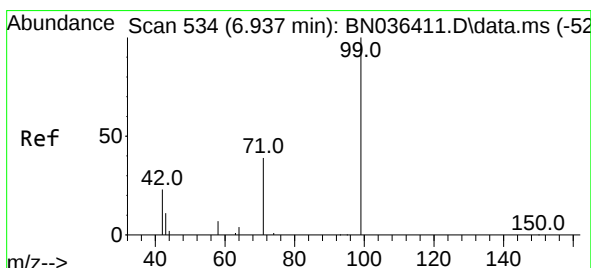
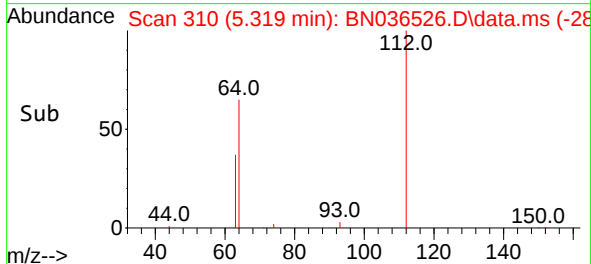
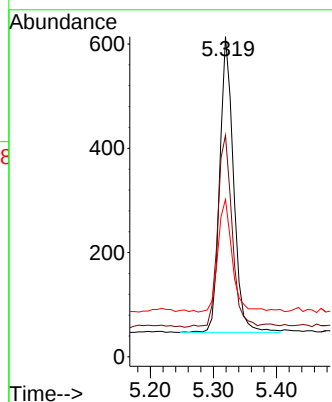
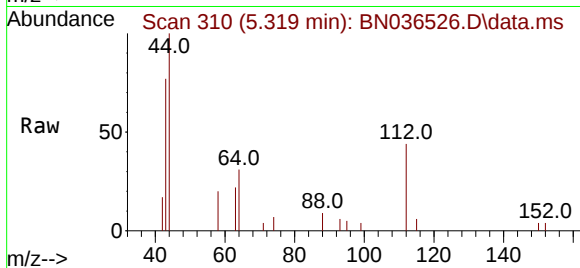
Instrument :

BNA_N

ClientSampleId :

RW7-SP100-20250228

Tgt Ion:	112	Resp:	863
Ion	Ratio	Lower	Upper
112	100		
64	67.8	53.4	80.0
63	39.7	30.3	45.5



#5

Phenol-d6

Concen: 0.108 ng

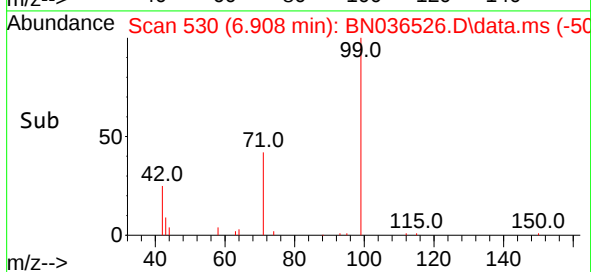
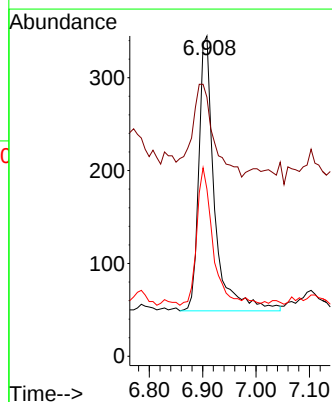
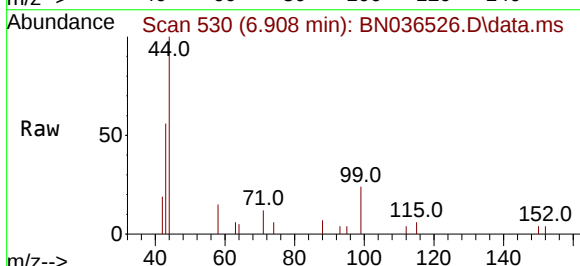
RT: 6.908 min Scan# 530

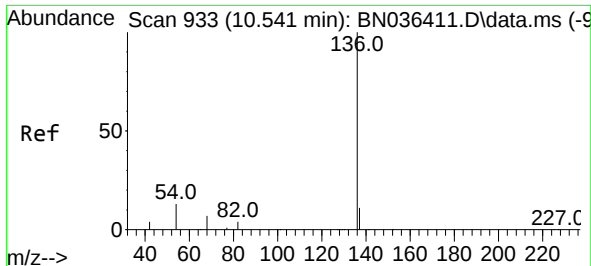
Delta R.T. 0.007 min

Lab File: BN036526.D

Acq: 05 Mar 2025 16:18

Tgt Ion:	99	Resp:	606
Ion	Ratio	Lower	Upper
99	100		
42	45.5	21.7	32.5#
71	50.5	32.6	49.0#

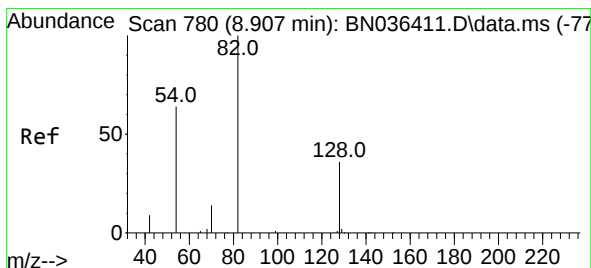
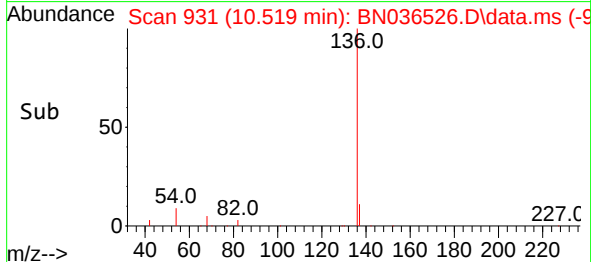
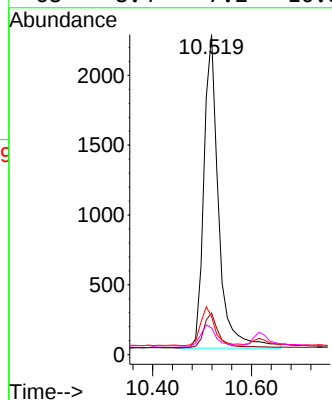
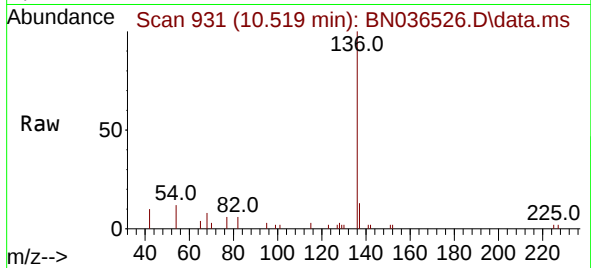




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 911
Delta R.T. 0.010 min
Lab File: BN036526.D
Acq: 05 Mar 2025 16:18

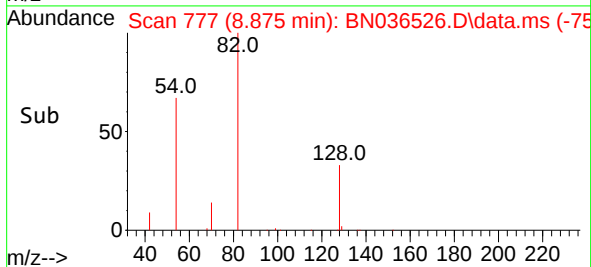
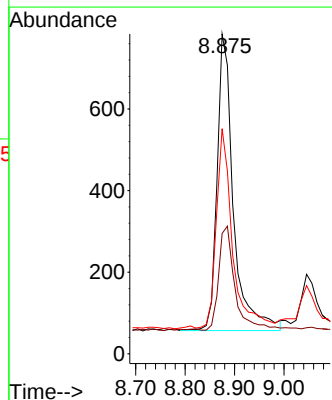
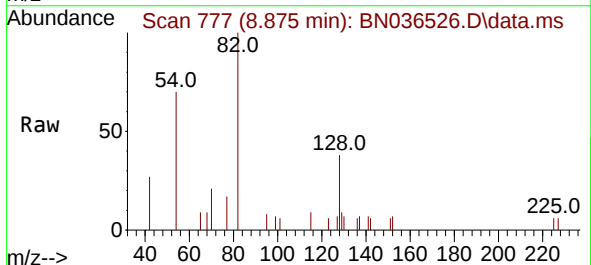
Instrument :
BNA_N
ClientSampleId :
RW7-SP100-20250228

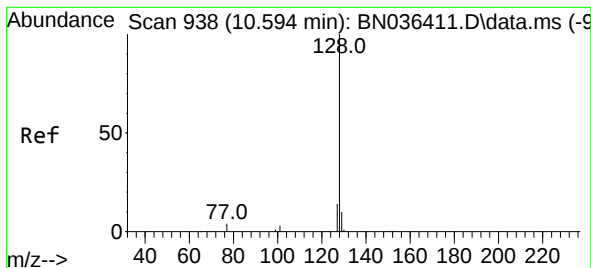
Tgt Ion:	136	Resp:	4623
Ion	Ratio	Lower	Upper
136	100		
137	13.0	10.1	15.1
54	11.9	11.8	17.6
68	8.4	7.2	10.8



#8
Nitrobenzene-d5
Concen: 0.366 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN036526.D
Acq: 05 Mar 2025 16:18

Tgt Ion:	82	Resp:	1668
Ion	Ratio	Lower	Upper
82	100		
128	37.6	31.9	47.9
54	70.4	53.1	79.7





#9

Naphthalene

Concen: 0.027 ng

RT: 10.562 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN036526.D

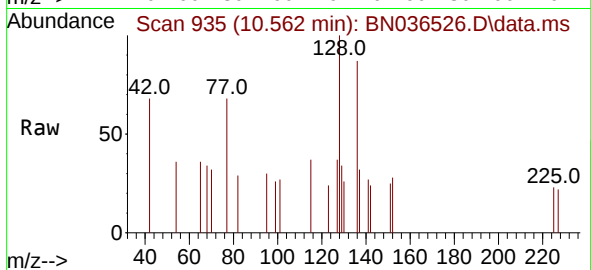
Acq: 05 Mar 2025 16:18

Instrument :

BNA_N

ClientSampleId :

RW7-SP100-20250228



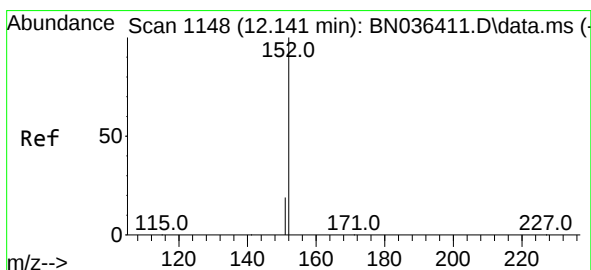
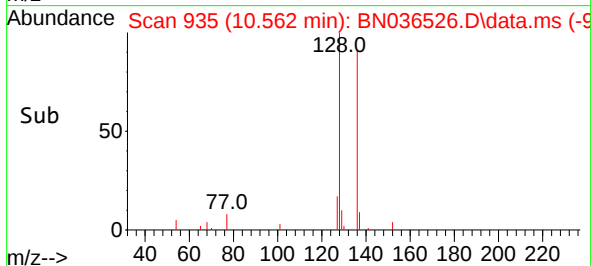
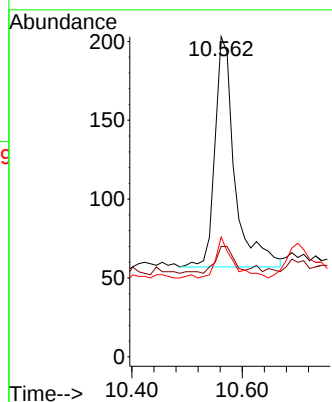
Tgt Ion:128 Resp: 363

Ion Ratio Lower Upper

128 100

129 34.5 9.6 14.4#

127 37.4 12.0 18.0#



#11

2-Methylnaphthalene-d10

Concen: 0.316 ng

RT: 12.110 min Scan# 1142

Delta R.T. 0.005 min

Lab File: BN036526.D

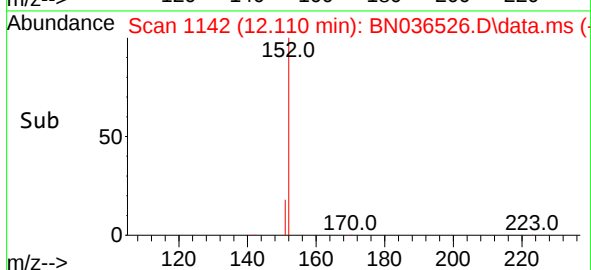
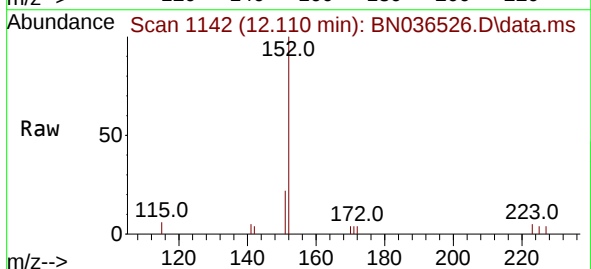
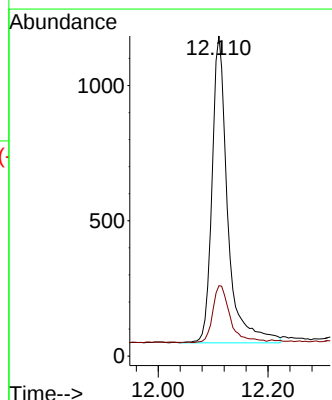
Acq: 05 Mar 2025 16:18

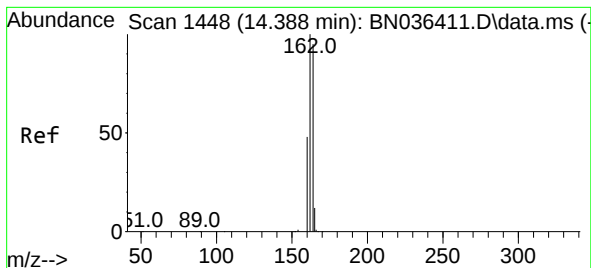
Tgt Ion:152 Resp: 2244

Ion Ratio Lower Upper

152 100

151 20.6 16.6 25.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.366 min Scan# 1446

Delta R.T. -0.000 min

Lab File: BN036526.D

Acq: 05 Mar 2025 16:18

Instrument :

BNA_N

ClientSampleId :

RW7-SP100-20250228

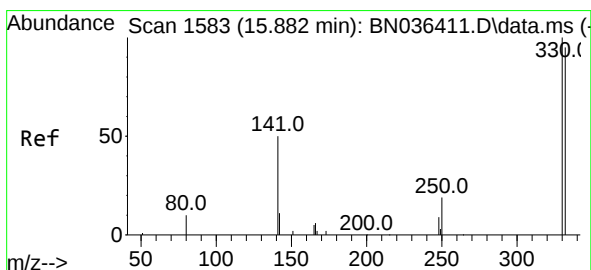
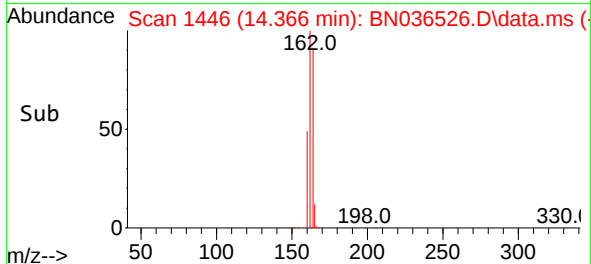
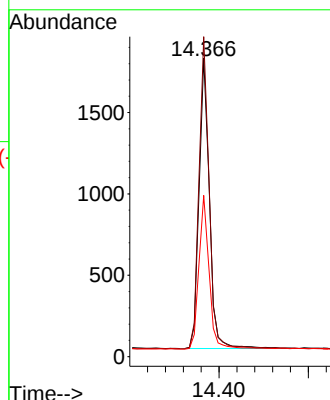
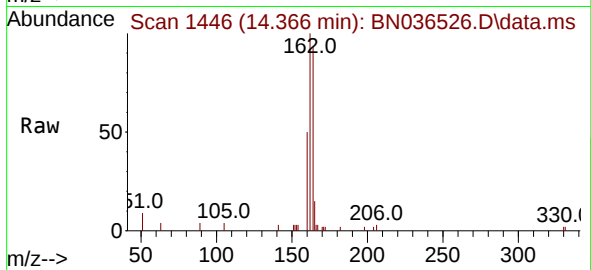
Tgt Ion:164 Resp: 2883

Ion Ratio Lower Upper

164 100

162 107.3 84.1 126.1

160 54.1 41.4 62.0



#14

2,4,6-Tribromophenol

Concen: 0.389 ng

RT: 15.857 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BN036526.D

Acq: 05 Mar 2025 16:18

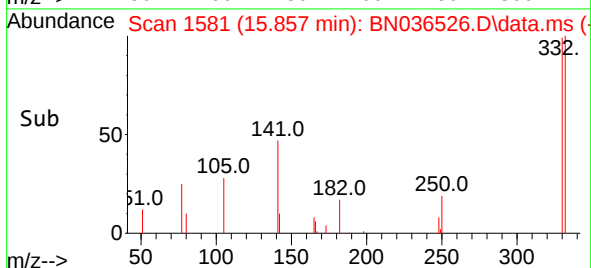
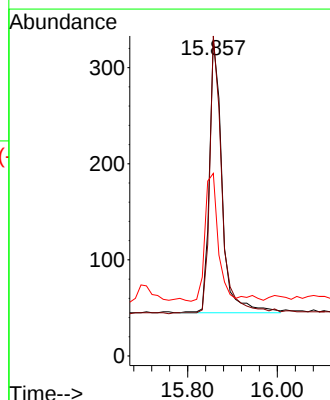
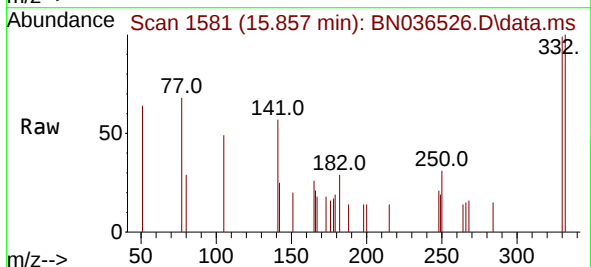
Tgt Ion:330 Resp: 556

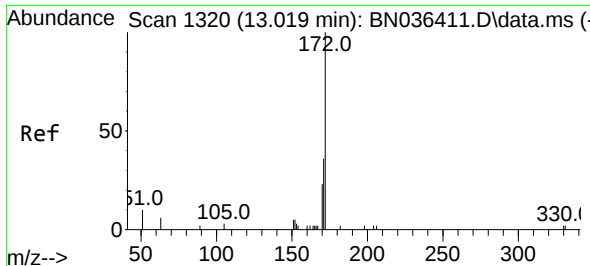
Ion Ratio Lower Upper

330 100

332 96.2 76.6 114.8

141 48.6 37.8 56.8

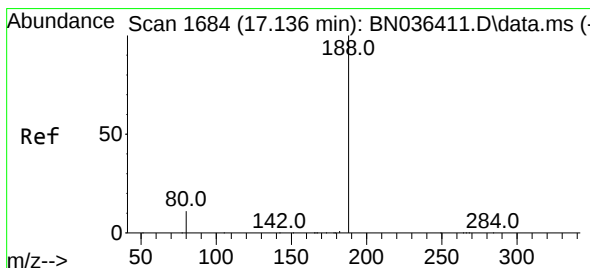
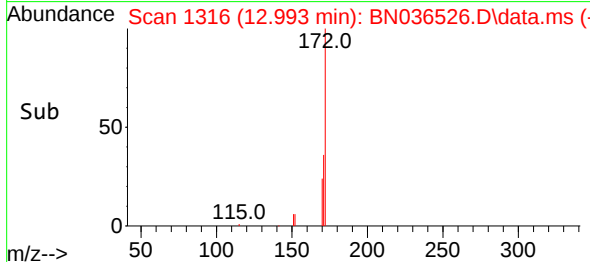
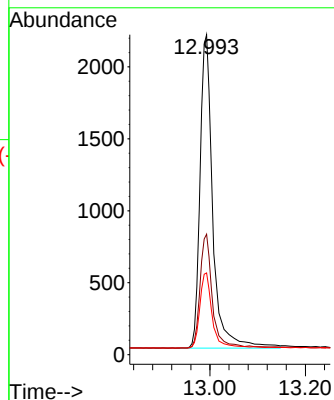
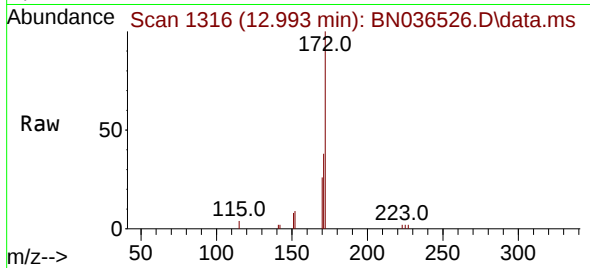




#15
2-Fluorobiphenyl
Concen: 0.517 ng
RT: 12.993 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN036526.D
Acq: 05 Mar 2025 16:18

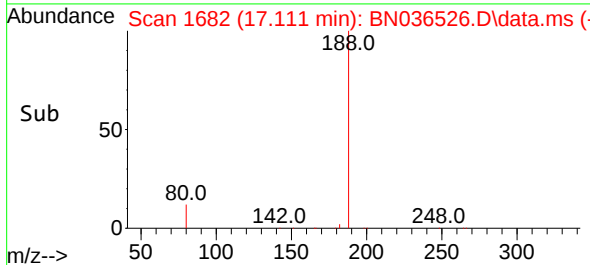
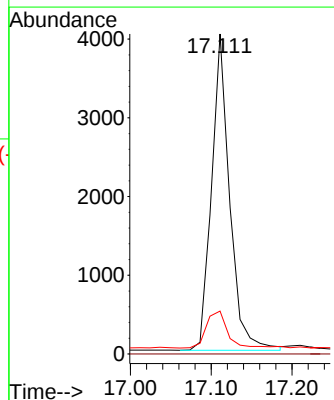
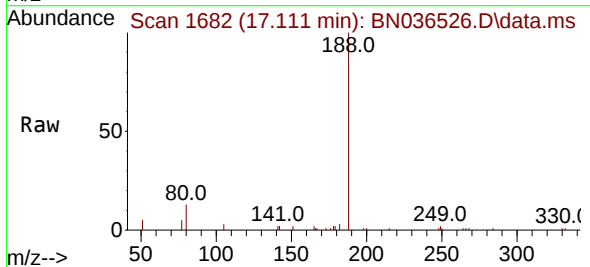
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RW7-SP100-20250228

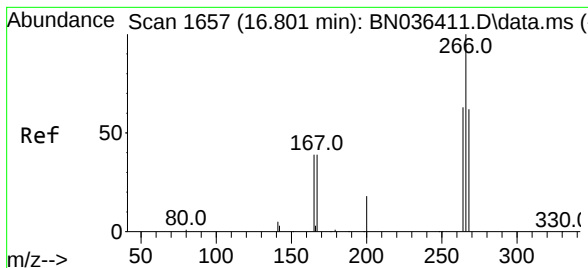
Tgt Ion:172	Resp:	5600
Ion Ratio	Lower	Upper
172	100	
171	37.6	29.6 44.4
170	25.5	19.8 29.6



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.111 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BN036526.D
Acq: 05 Mar 2025 16:18

Tgt Ion:188	Resp:	6253
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0 0.0
80	13.4	9.8 14.6





#24

Pentachlorophenol

Concen: 0.030 ng

RT: 16.776 min Scan# 1655

Delta R.T. 0.012 min

Lab File: BN036526.D

Acq: 05 Mar 2025 16:18

Instrument :

BNA_N

ClientSampleId :

RW7-SP100-20250228

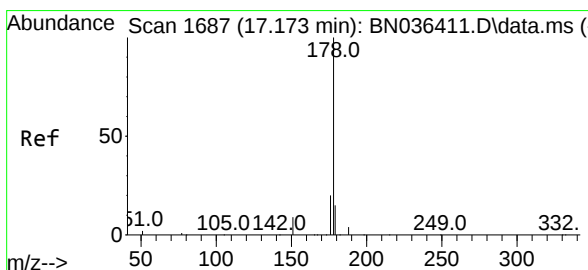
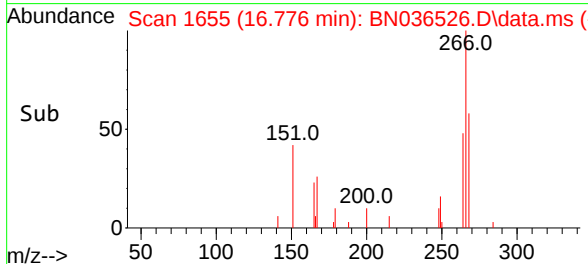
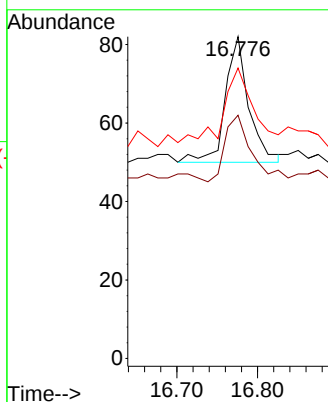
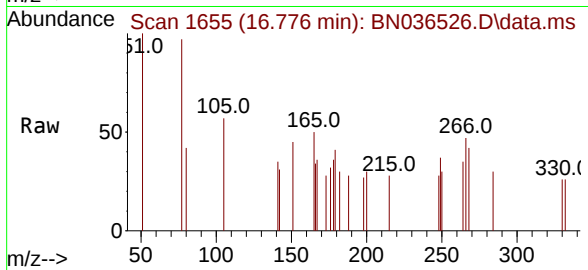
Tgt Ion:266 Resp: 65

Ion Ratio Lower Upper

266 100

264 60.0 50.6 76.0

268 87.7 51.9 77.9#



#25

Phenanthrene

Concen: 0.034 ng

RT: 17.148 min Scan# 1685

Delta R.T. -0.000 min

Lab File: BN036526.D

Acq: 05 Mar 2025 16:18

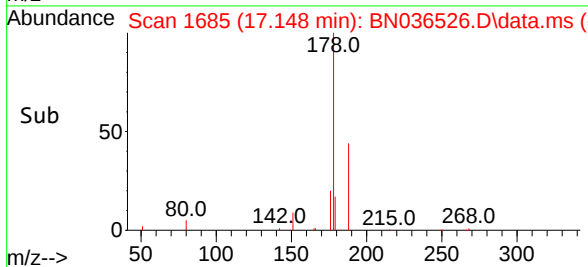
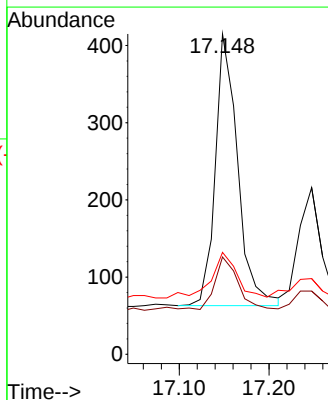
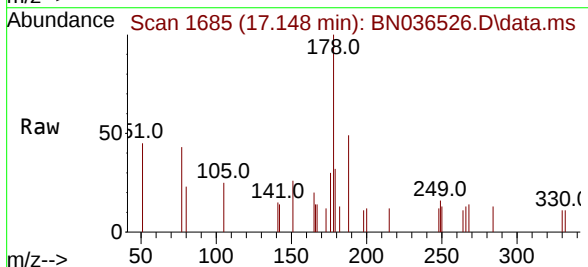
Tgt Ion:178 Resp: 611

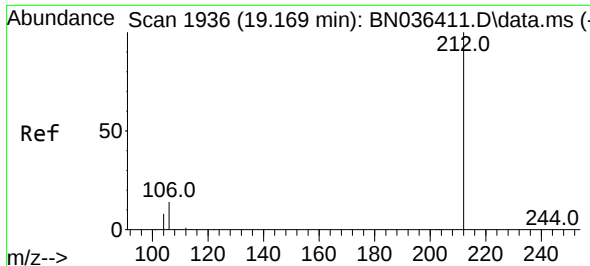
Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

179 19.3 12.4 18.6#

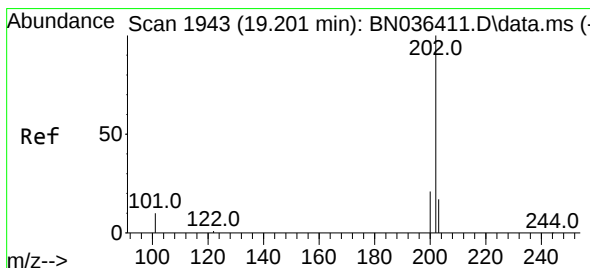
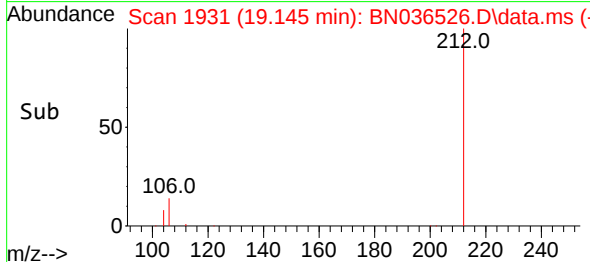
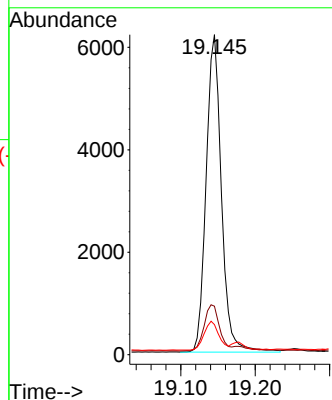
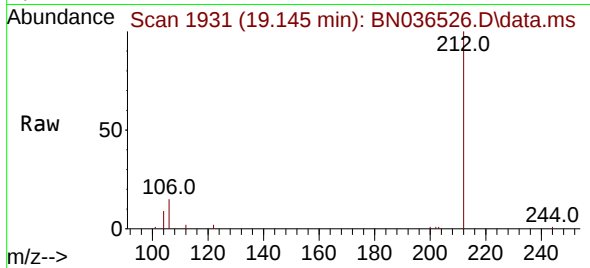




#27
Fluoranthene-d10
Concen: 0.508 ng
RT: 19.145 min Scan# 1936
Delta R.T. 0.004 min
Lab File: BN036526.D
Acq: 05 Mar 2025 16:18

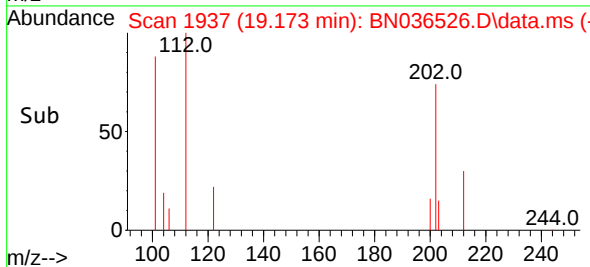
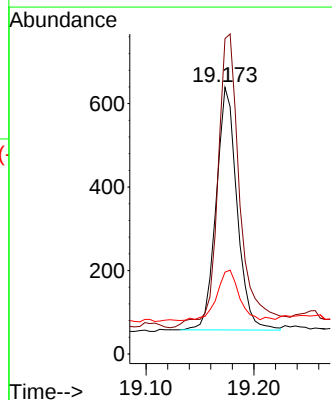
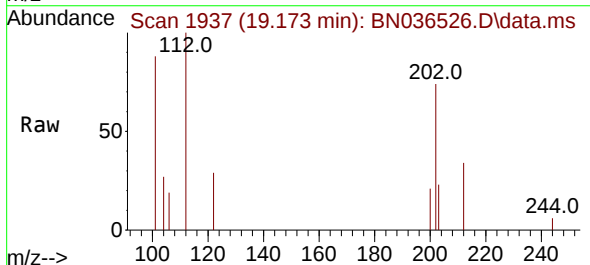
Instrument :
BNA_N
ClientSampleId :
RW7-SP100-20250228

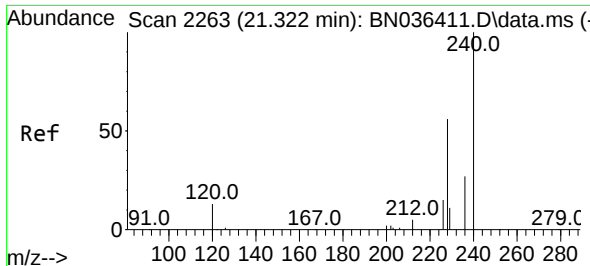
Tgt Ion:212 Resp: 8827
Ion Ratio Lower Upper
212 100
106 14.7 11.5 17.3
104 8.8 7.1 10.7



#28
Fluoranthene
Concen: 0.035 ng
RT: 19.173 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BN036526.D
Acq: 05 Mar 2025 16:18

Tgt Ion:202 Resp: 783
Ion Ratio Lower Upper
202 100
101 131.2 9.2 13.8#
203 22.1 13.4 20.0#

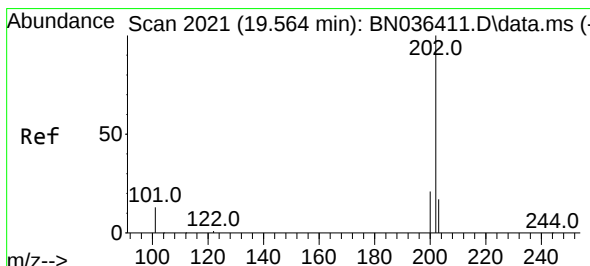
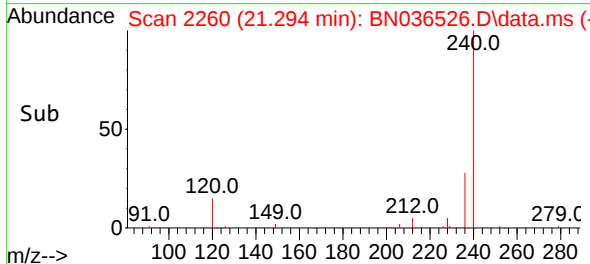
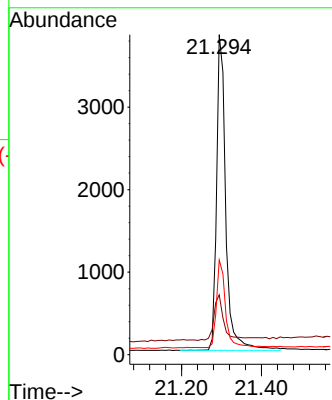
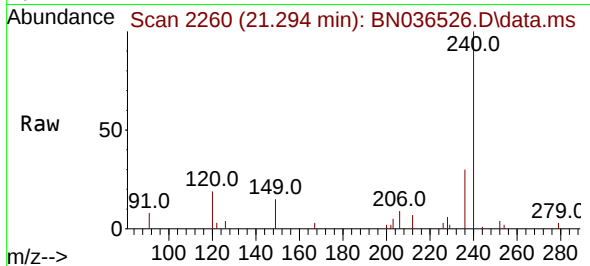




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.294 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN036526.D
Acq: 05 Mar 2025 16:18

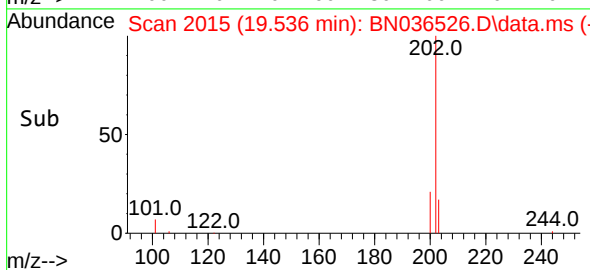
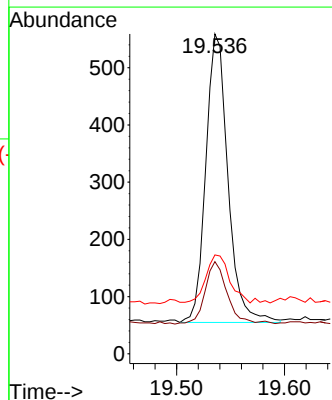
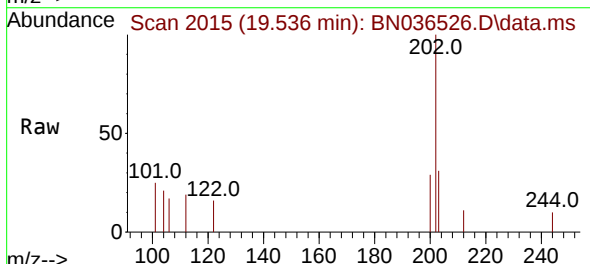
Instrument :
BNA_N
ClientSampleId :
RW7-SP100-20250228

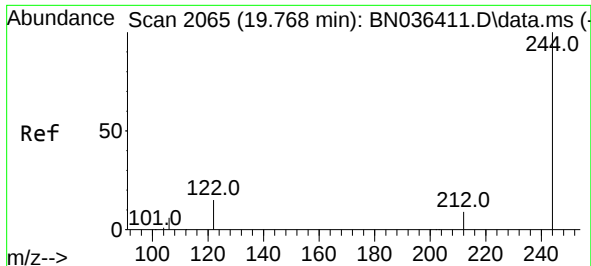
Tgt Ion:240 Resp: 6117
Ion Ratio Lower Upper
240 100
120 18.7 13.3 19.9
236 29.6 23.0 34.6



#30
Pyrene
Concen: 0.031 ng
RT: 19.536 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BN036526.D
Acq: 05 Mar 2025 16:18

Tgt Ion:202 Resp: 719
Ion Ratio Lower Upper
202 100
200 21.8 16.9 25.3
203 18.2 13.9 20.9

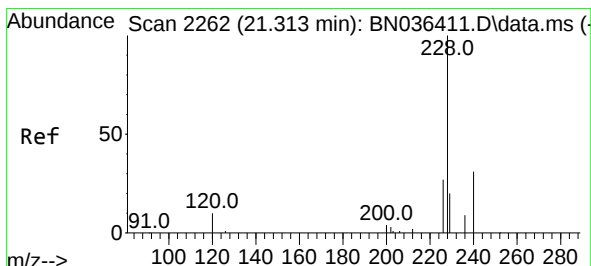
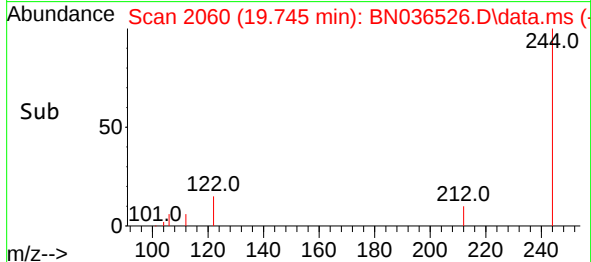
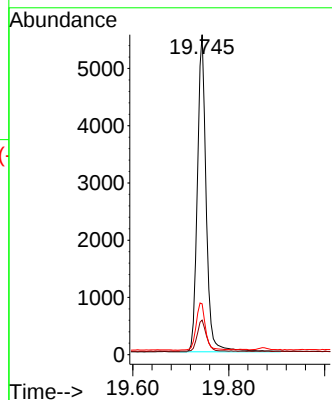
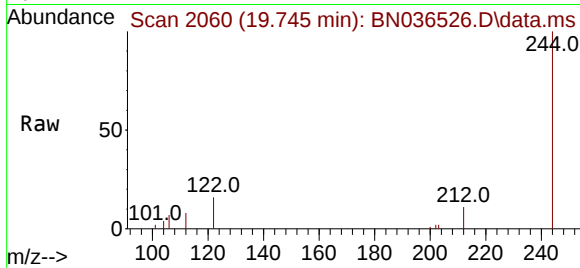




#31
 Terphenyl-d14
 Concen: 0.545 ng
 RT: 19.745 min Scan# 2065
 Delta R.T. -0.000 min
 Lab File: BN036526.D
 Acq: 05 Mar 2025 16:18

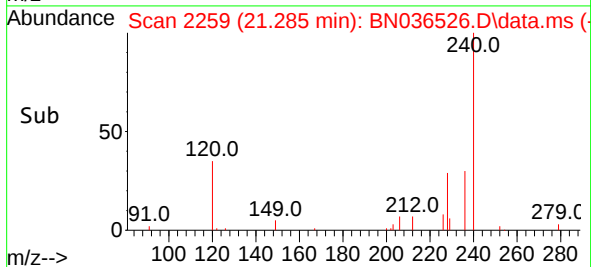
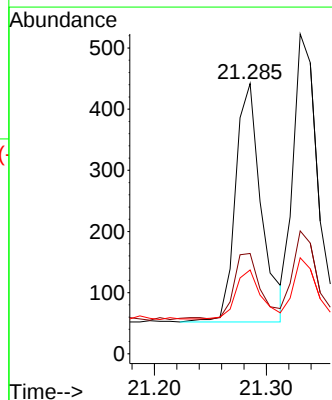
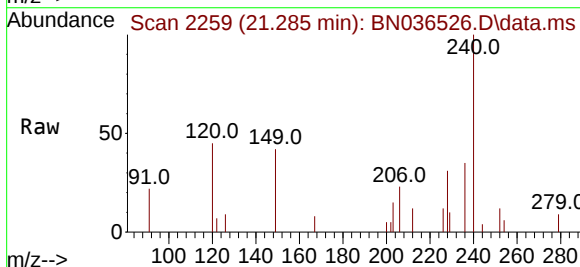
Instrument :
 BNA_N
 ClientSampleId :
 RW7-SP100-20250228

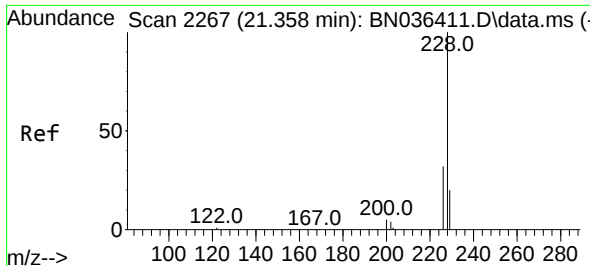
Tgt Ion:244 Resp: 7115
 Ion Ratio Lower Upper
 244 100
 212 10.8 8.1 12.1
 122 15.9 12.8 19.2



#32
 Benzo(a)anthracene
 Concen: 0.031 ng
 RT: 21.285 min Scan# 2259
 Delta R.T. 0.009 min
 Lab File: BN036526.D
 Acq: 05 Mar 2025 16:18

Tgt Ion:228 Resp: 627
 Ion Ratio Lower Upper
 228 100
 226 37.1 22.2 33.2#
 229 31.0 16.5 24.7#





#33

Chrysene

Concen: 0.035 ng

RT: 21.330 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036526.D

Acq: 05 Mar 2025 16:18

Instrument :

BNA_N

ClientSampleId :

RW7-SP100-20250228

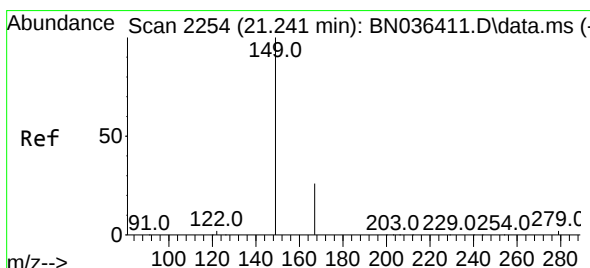
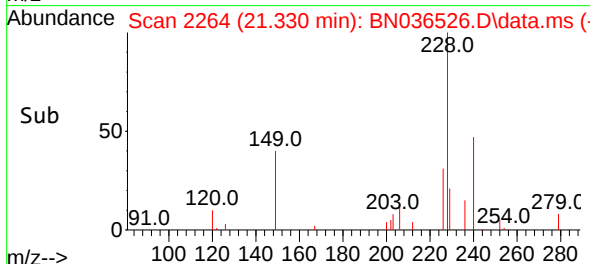
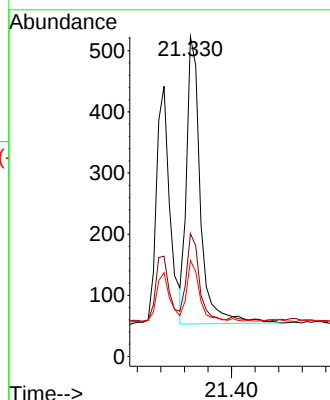
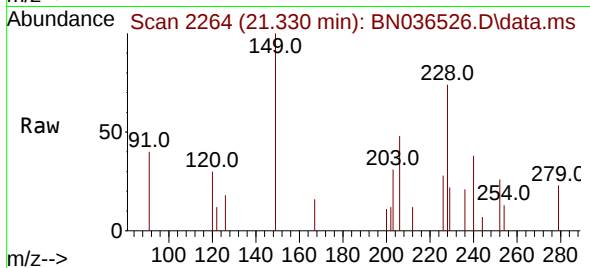
Tgt Ion:228 Resp: 768

Ion Ratio Lower Upper

228 100

226 38.4 25.5 38.3#

229 30.0 16.4 24.6#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.186 ng

RT: 21.214 min Scan# 2251

Delta R.T. -0.000 min

Lab File: BN036526.D

Acq: 05 Mar 2025 16:18

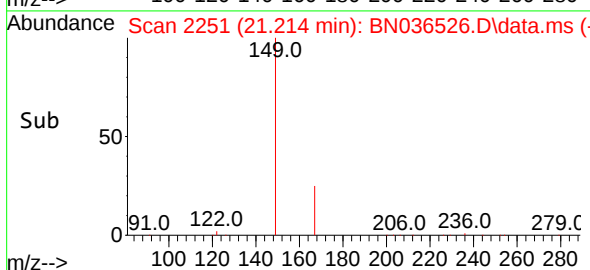
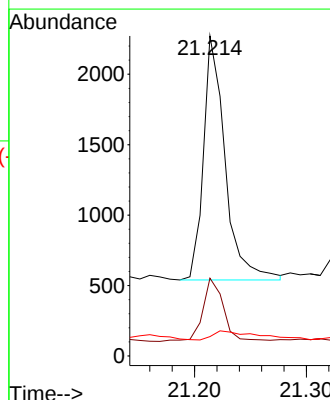
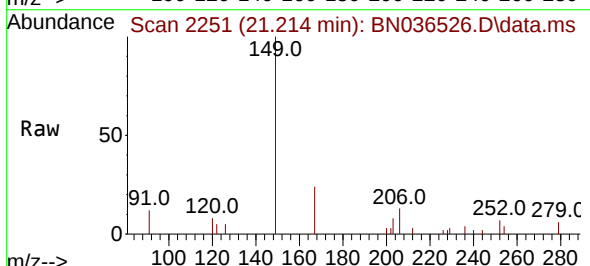
Tgt Ion:149 Resp: 2328

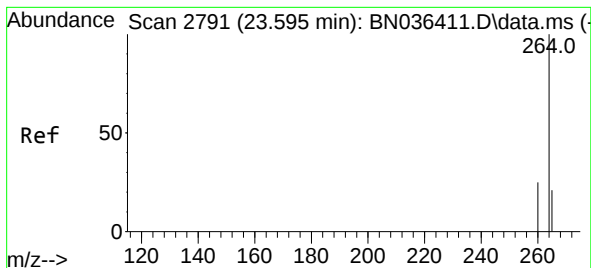
Ion Ratio Lower Upper

149 100

167 24.7 21.2 31.8

279 7.0 2.7 4.1#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.554 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN036526.D

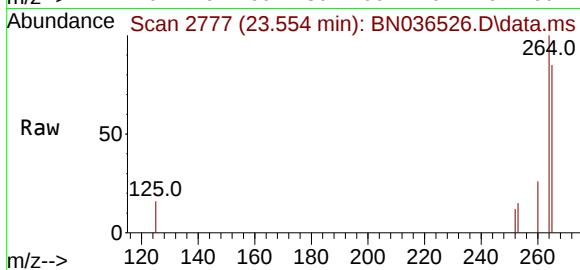
Acq: 05 Mar 2025 16:18

Instrument :

BNA_N

ClientSampleId :

RW7-SP100-20250228



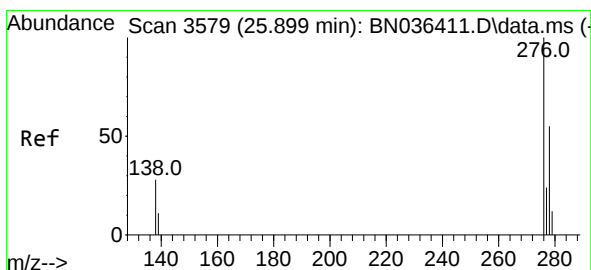
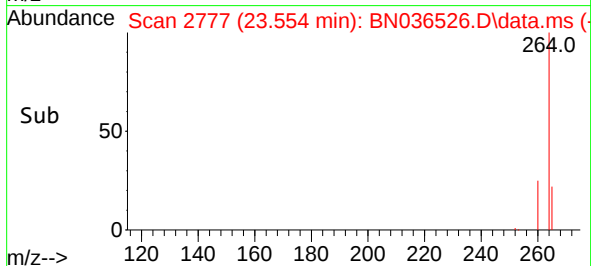
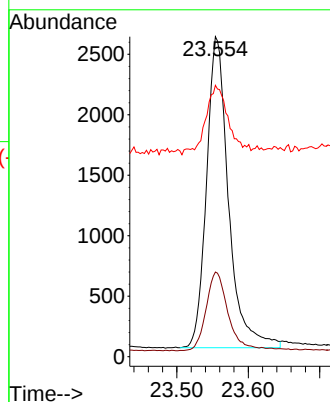
Tgt Ion:264 Resp: 5519

Ion Ratio Lower Upper

264 100

260 26.5 20.9 31.3

265 84.8 60.7 91.1



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.041 ng

RT: 25.846 min Scan# 3561

Delta R.T. 0.008 min

Lab File: BN036526.D

Acq: 05 Mar 2025 16:18

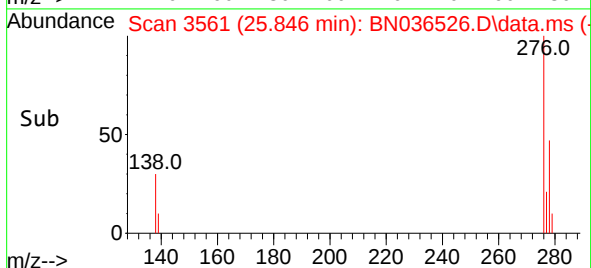
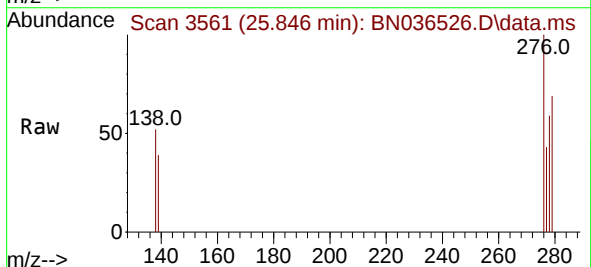
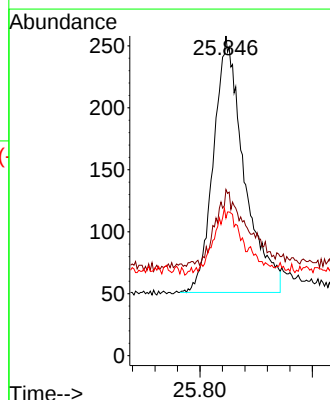
Tgt Ion:276 Resp: 782

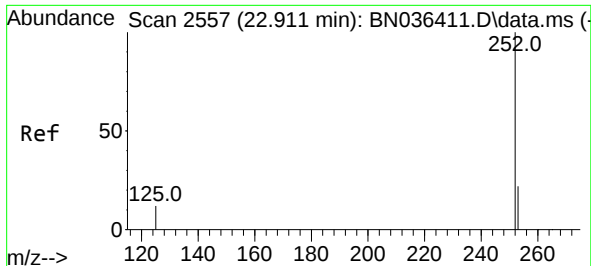
Ion Ratio Lower Upper

276 100

138 29.5 22.2 33.2

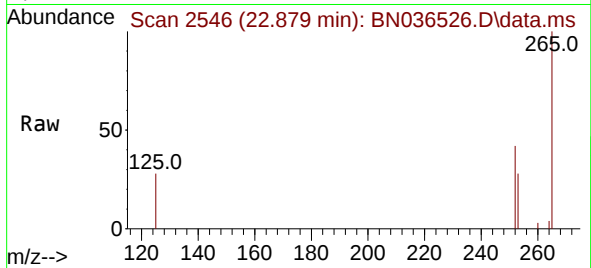
277 9.1 19.8 29.6#



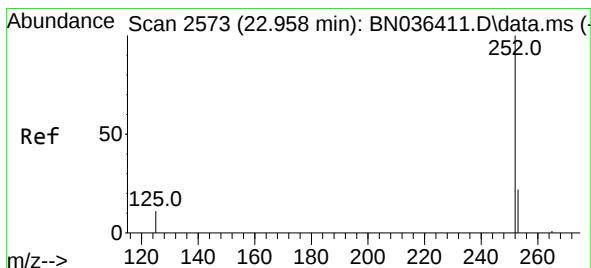
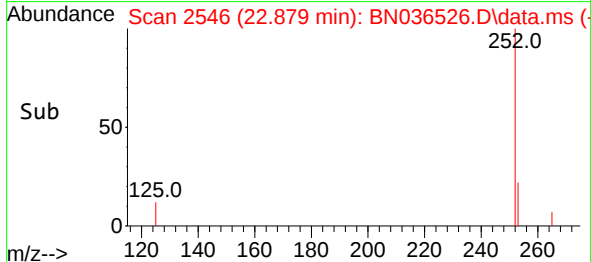
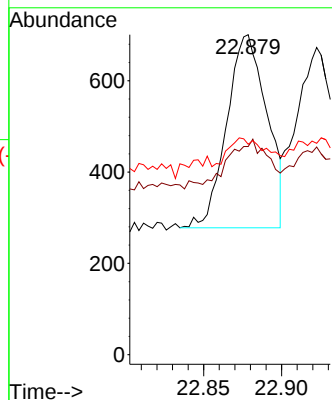


#37
Benzo(b)fluoranthene
Concen: 0.042 ng
RT: 22.879 min Scan# 2546
Delta R.T. 0.005 min
Lab File: BN036526.D
Acq: 05 Mar 2025 16:18

Instrument :
BNA_N
ClientSampleId :
RW7-SP100-20250228

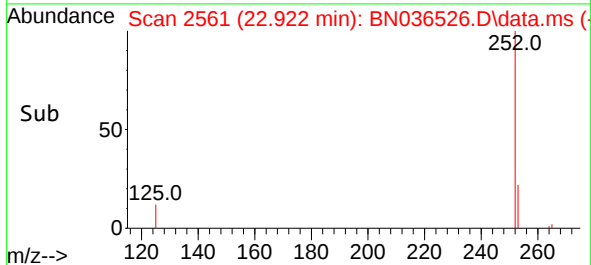
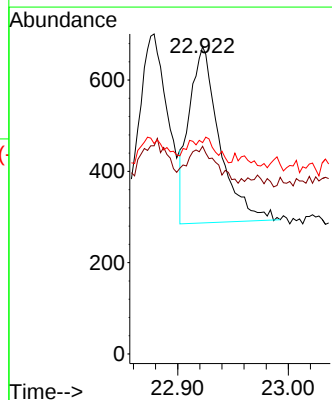
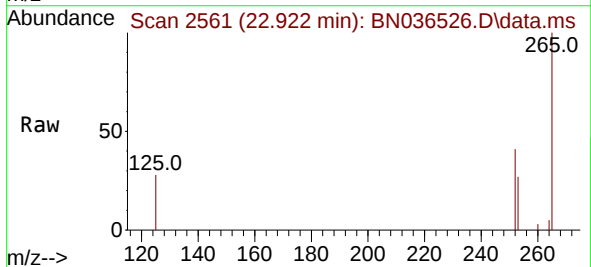


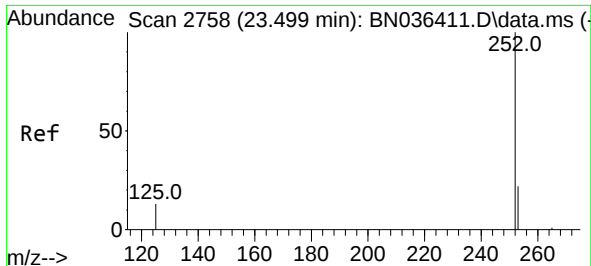
Tgt Ion:252 Resp: 759
Ion Ratio Lower Upper
252 100
253 65.0 21.9 32.9#
125 65.8 15.0 22.6#



#38
Benzo(k)fluoranthene
Concen: 0.039 ng
RT: 22.922 min Scan# 2561
Delta R.T. 0.005 min
Lab File: BN036526.D
Acq: 05 Mar 2025 16:18

Tgt Ion:252 Resp: 737
Ion Ratio Lower Upper
252 100
253 67.6 22.2 33.4#
125 68.8 15.0 22.4#





#39

Benzo(a)pyrene

Concen: 0.029 ng

RT: 23.455 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036526.D

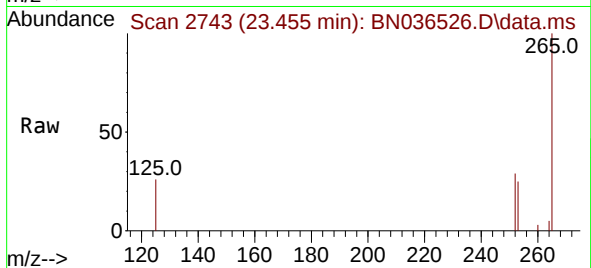
Acq: 05 Mar 2025 16:18

Instrument :

BNA_N

ClientSampleId :

RW7-SP100-20250228



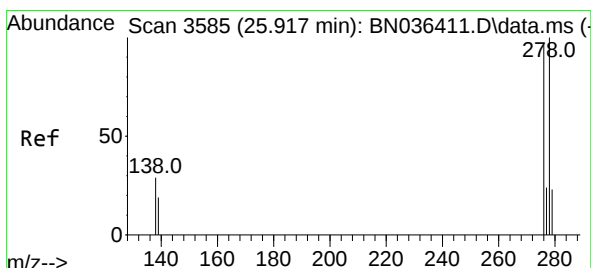
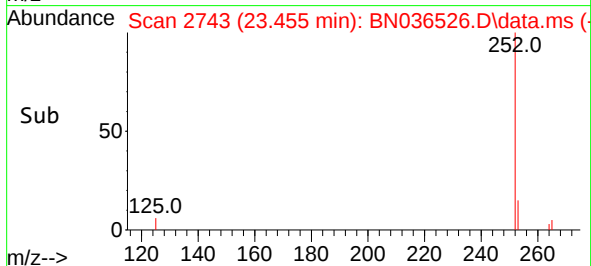
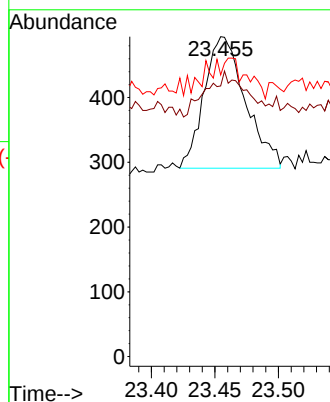
Tgt Ion:252 Resp: 459

Ion Ratio Lower Upper

252 100

253 84.6 24.4 36.6#

125 88.1 18.2 27.2#



#40

Dibenzo(a,h)anthracene

Concen: 0.039 ng

RT: 25.864 min Scan# 3567

Delta R.T. 0.011 min

Lab File: BN036526.D

Acq: 05 Mar 2025 16:18

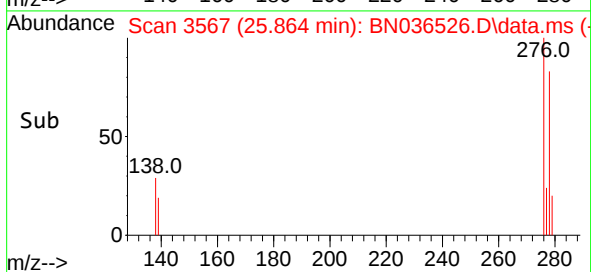
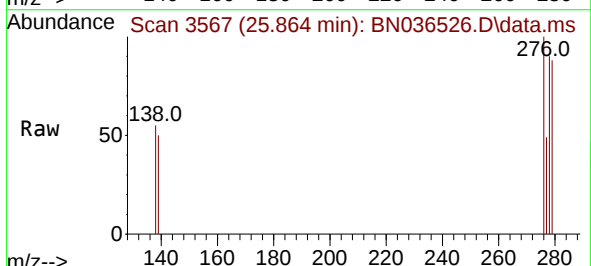
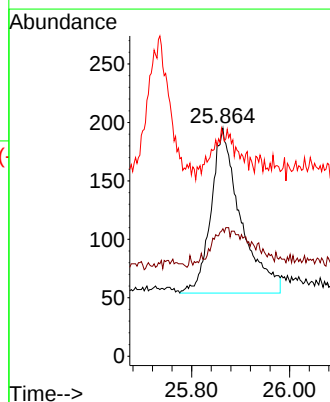
Tgt Ion:278 Resp: 594

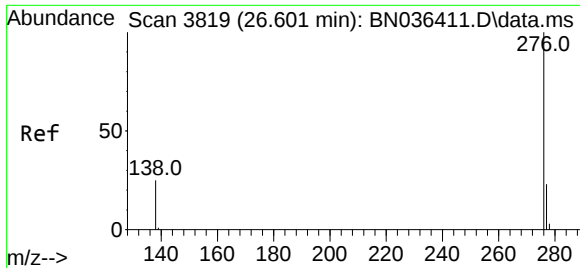
Ion Ratio Lower Upper

278 100

139 55.9 18.5 27.7#

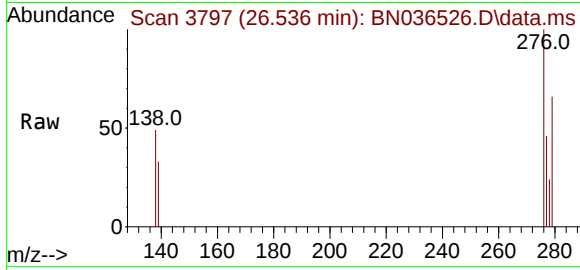
279 97.4 24.8 37.2#





#41
Benzo(g,h,i)perylene
Concen: 0.042 ng
RT: 26.536 min Scan# 31
Delta R.T. 0.008 min
Lab File: BN036526.D
Acq: 05 Mar 2025 16:18

Instrument :
BNA_N
ClientSampleId :
RW7-SP100-20250228



Tgt Ion:276 Resp: 718
Ion Ratio Lower Upper
276 100
277 45.5 20.7 31.1#
138 48.8 21.8 32.6#

