

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030725\
 Data File : BN036551.D
 Acq On : 07 Mar 2025 17:25
 Operator : RC/JU
 Sample : Q1500-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20250305

Quant Time: Mar 07 17:47:40 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)

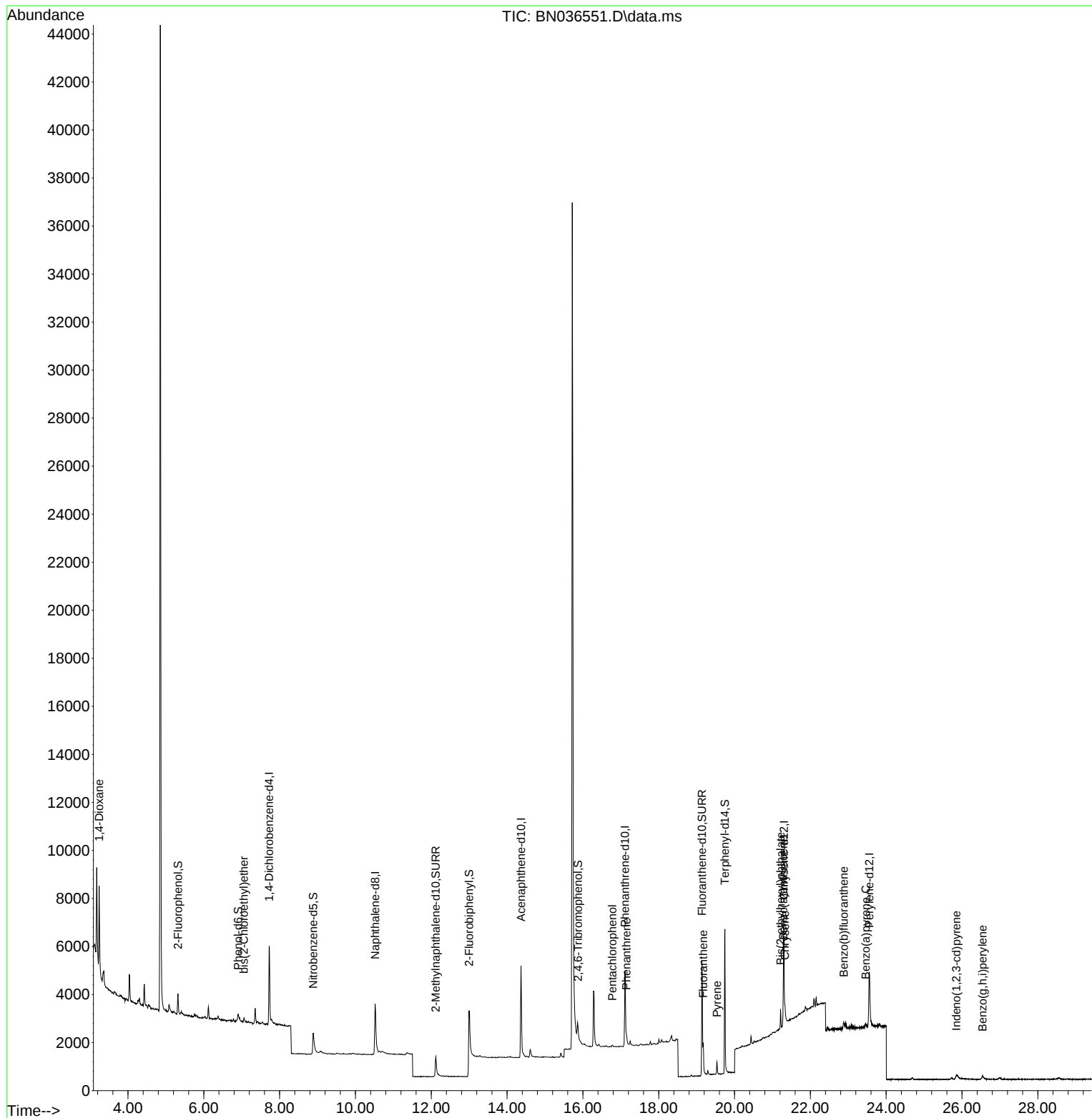
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	1786	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	4024	0.400	ng	0.01
13) Acenaphthene-d10	14.366	164	2522	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	5219	0.400	ng	# 0.00
29) Chrysene-d12	21.304	240	4347	0.400	ng	0.00
35) Perylene-d12	23.554	264	3883	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	644	0.153	ng	0.00
5) Phenol-d6	6.908	99	351	0.071	ng	0.00
8) Nitrobenzene-d5	8.886	82	1315	0.331	ng	0.01
11) 2-Methylnaphthalene-d10	12.121	152	1913	0.309	ng	0.02
14) 2,4,6-Tribromophenol	15.870	330	482	0.386	ng	0.01
15) 2-Fluorobiphenyl	12.998	172	4777	0.504	ng	0.01
27) Fluoranthene-d10	19.141	212	6034	0.416	ng	0.00
31) Terphenyl-d14	19.745	244	6019	0.649	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	1902	0.973	ng	# 93
6) bis(2-Chloroethyl)ether	7.060	93	366	0.071	ng	# 25
24) Pentachlorophenol	16.776	266	60	0.033	ng	# 81
25) Phenanthrene	17.149	178	310	0.021	ng	# 89
28) Fluoranthene	19.174	202	508	0.027	ng	# 22
30) Pyrene	19.536	202	494	0.030	ng	97
32) Benzo(a)anthracene	21.286	228	377	0.026	ng	# 68
33) Chrysene	21.331	228	402	0.026	ng	# 70
34) Bis(2-ethylhexyl)phtha...	21.214	149	751	0.084	ng	98
36) Indeno(1,2,3-cd)pyrene	25.849	276	351	0.026	ng	# 77
37) Benzo(b)fluoranthene	22.879	252	404	0.032	ng	# 1
39) Benzo(a)pyrene	23.461	252	264	0.024	ng	# 1
41) Benzo(g,h,i)perylene	26.545	276	317	0.026	ng	# 35

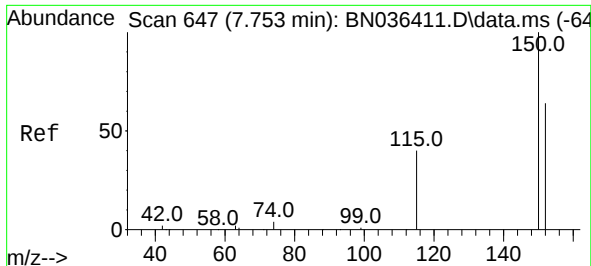
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030725\
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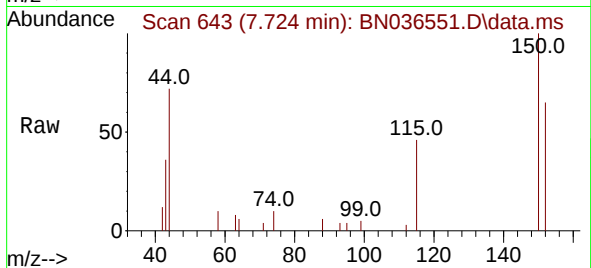
Quant Time: Mar 07 17:47:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
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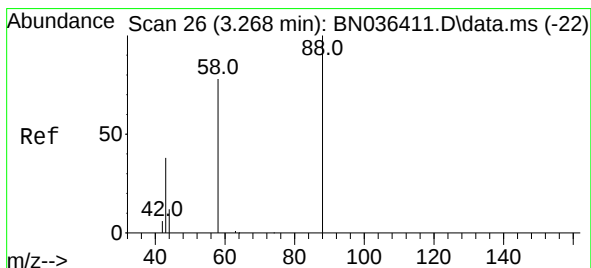
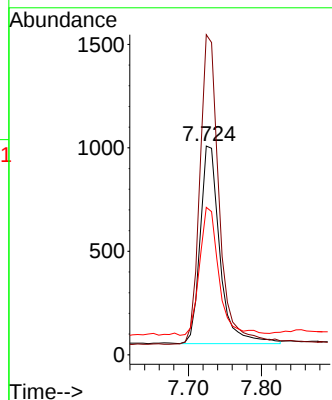
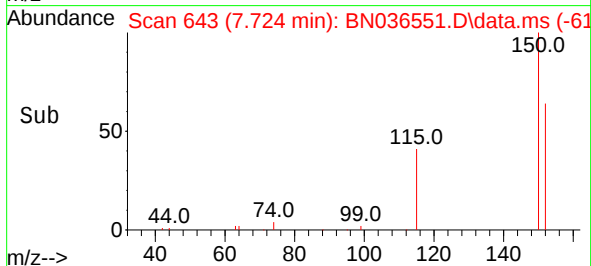


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.724 min Scan# 64
 Delta R.T. -0.008 min
 Lab File: BN036551.D
 Acq: 07 Mar 2025 17:25

Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20250305

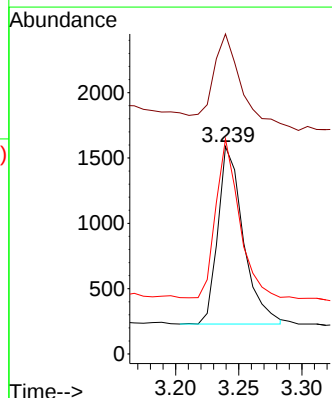
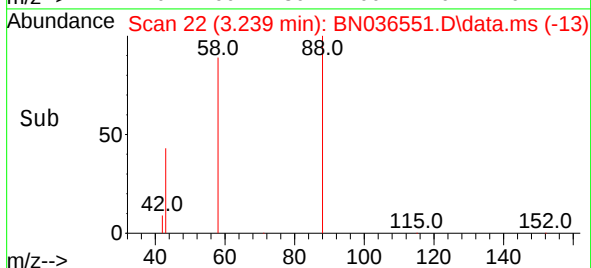
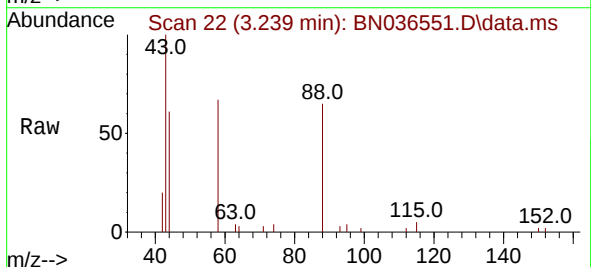


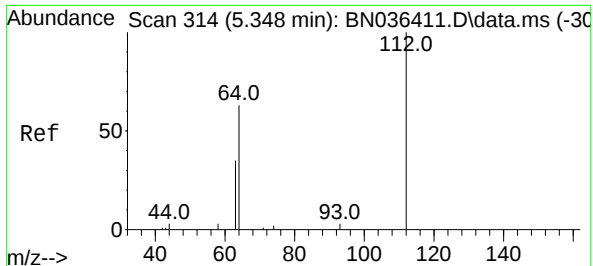
Tgt Ion:152 Resp: 1786
 Ion Ratio Lower Upper
 152 100
 150 153.3 123.7 185.5
 115 70.7 52.5 78.7



#2
 1,4-Dioxane
 Concen: 0.973 ng
 RT: 3.239 min Scan# 22
 Delta R.T. -0.007 min
 Lab File: BN036551.D
 Acq: 07 Mar 2025 17:25

Tgt Ion: 88 Resp: 1902
 Ion Ratio Lower Upper
 88 100
 43 51.3 33.7 50.5#
 58 82.9 68.9 103.3

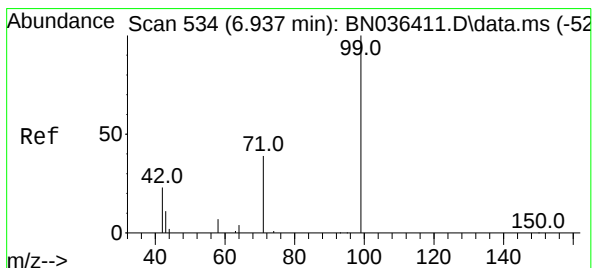
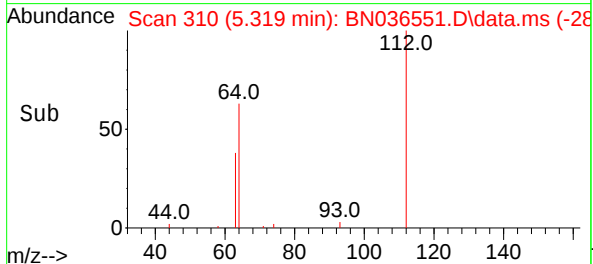
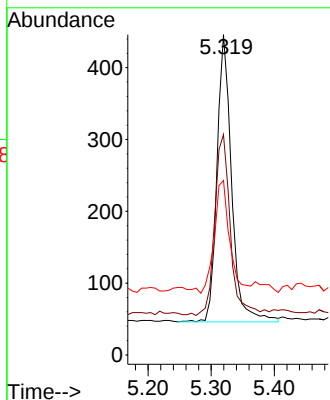
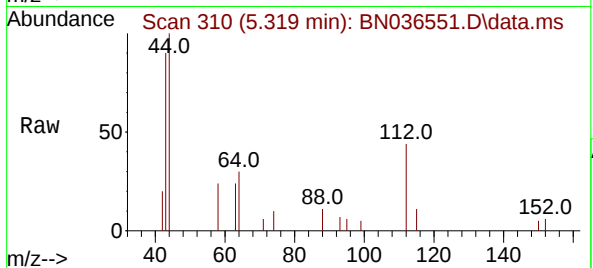




#4
2-Fluorophenol
Concen: 0.153 ng
RT: 5.319 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN036551.D
Acq: 07 Mar 2025 17:25

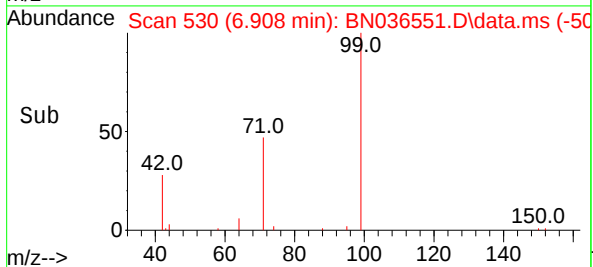
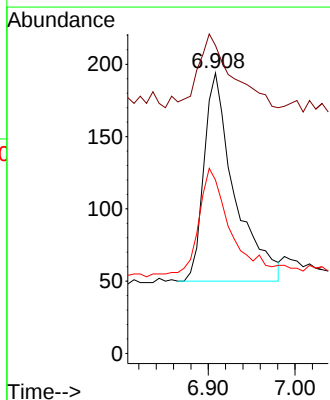
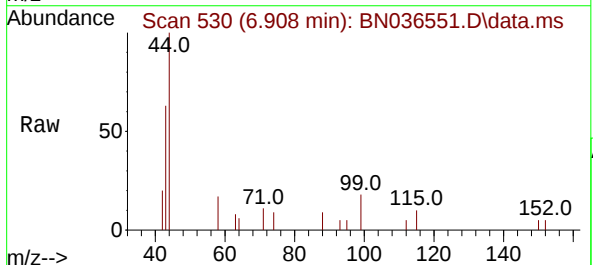
Instrument :
BNA_N
ClientSampleId :
MW179D2-20250305

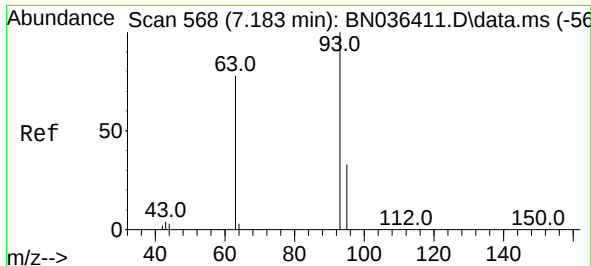
Tgt Ion:112 Resp: 644
Ion Ratio Lower Upper
112 100
64 66.0 53.4 80.0
63 41.5 30.3 45.5



#5
Phenol-d6
Concen: 0.071 ng
RT: 6.908 min Scan# 530
Delta R.T. 0.007 min
Lab File: BN036551.D
Acq: 07 Mar 2025 17:25

Tgt Ion: 99 Resp: 351
Ion Ratio Lower Upper
99 100
42 49.0 21.7 32.5#
71 55.0 32.6 49.0#

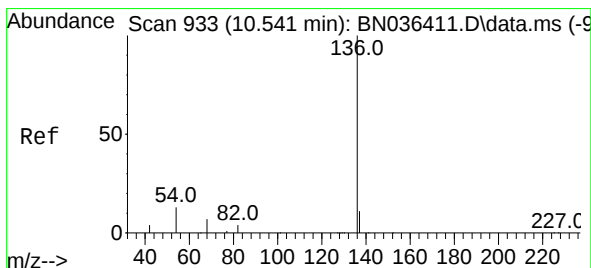
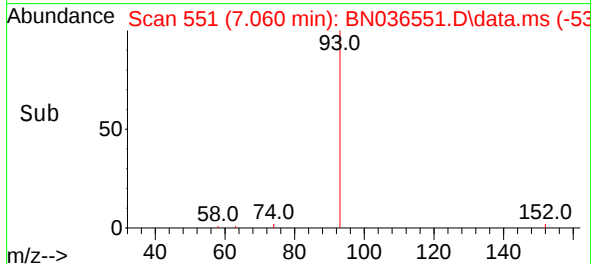
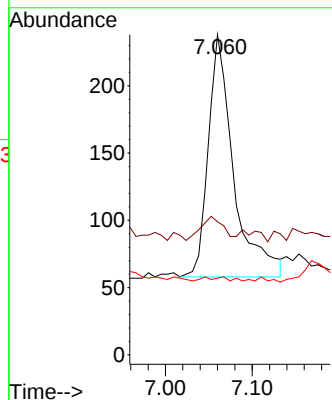
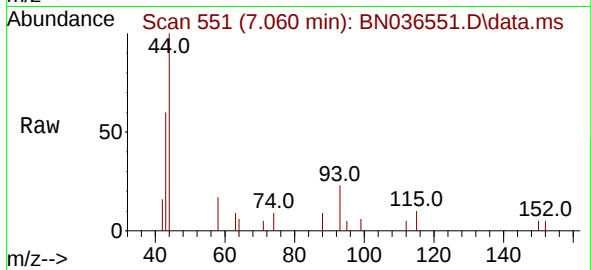




#6
bis(2-Chloroethyl)ether
Concen: 0.071 ng
RT: 7.060 min Scan# 51
Delta R.T. -0.094 min
Lab File: BN036551.D
Acq: 07 Mar 2025 17:25

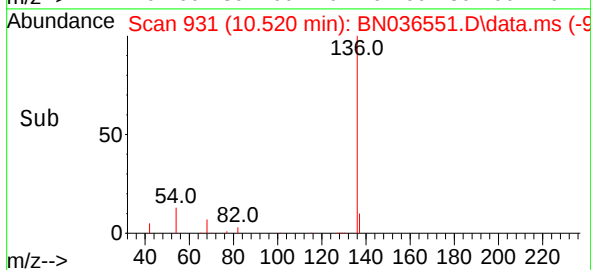
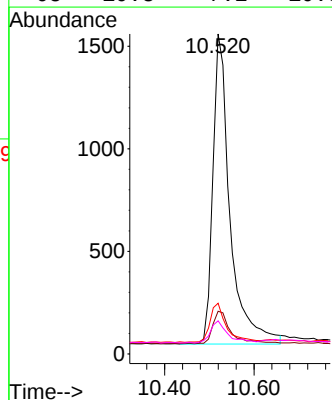
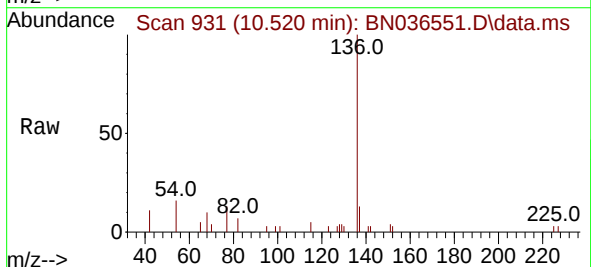
Instrument :
BNA_N
ClientSampleId :
MW179D2-20250305

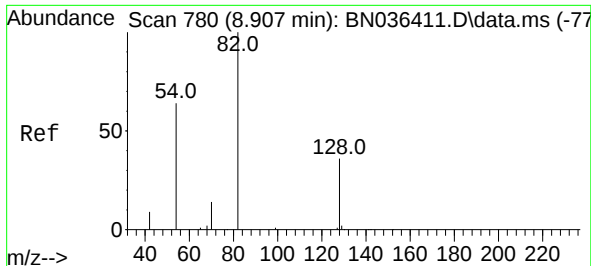
Tgt Ion: 93 Resp: 366
Ion Ratio Lower Upper
93 100
63 9.3 66.3 99.5#
95 0.5 26.2 39.4#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. 0.011 min
Lab File: BN036551.D
Acq: 07 Mar 2025 17:25

Tgt Ion: 136 Resp: 4024
Ion Ratio Lower Upper
136 100
137 13.3 10.1 15.1
54 15.8 11.8 17.6
68 10.3 7.2 10.8

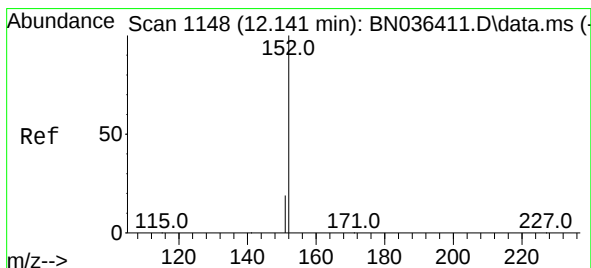
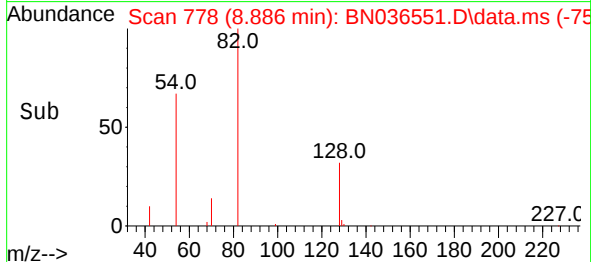
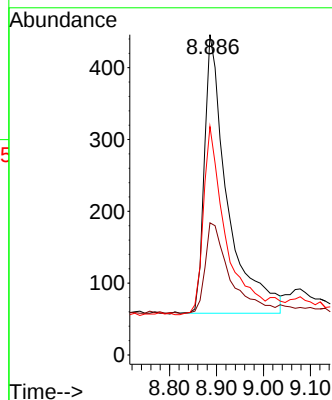
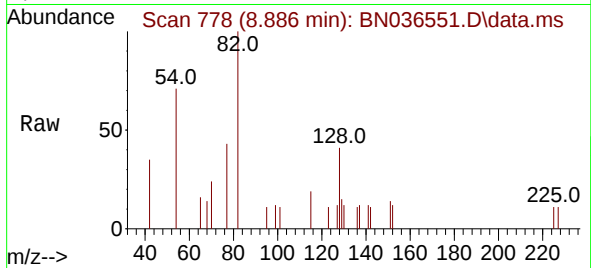




#8
Nitrobenzene-d5
Concen: 0.331 ng
RT: 8.886 min Scan# 71
Delta R.T. 0.011 min
Lab File: BN036551.D
Acq: 07 Mar 2025 17:25

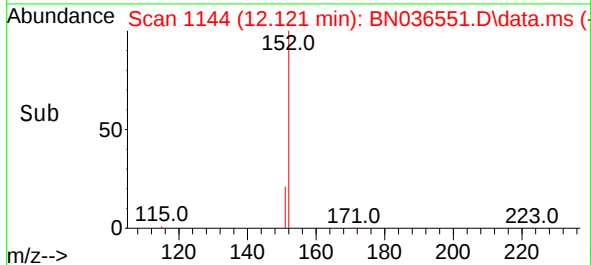
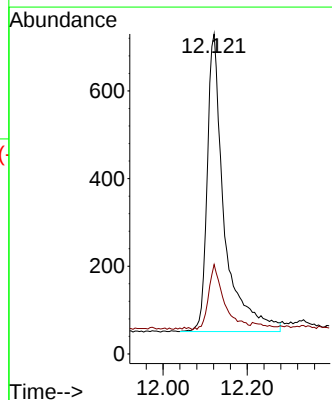
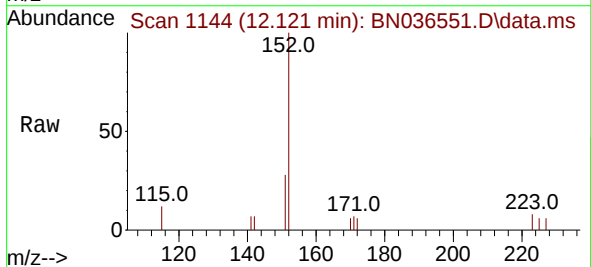
Instrument :
BNA_N
ClientSampleId :
MW179D2-20250305

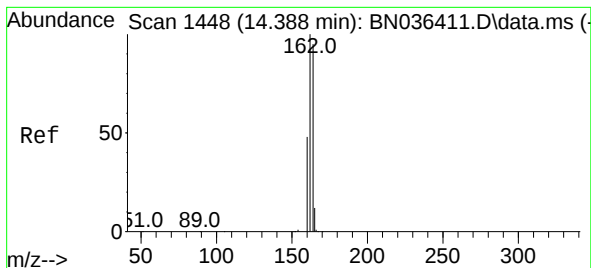
Tgt Ion: 82 Resp: 1315
Ion Ratio Lower Upper
82 100
128 41.3 31.9 47.9
54 71.3 53.1 79.7



#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.121 min Scan# 1144
Delta R.T. 0.015 min
Lab File: BN036551.D
Acq: 07 Mar 2025 17:25

Tgt Ion: 152 Resp: 1913
Ion Ratio Lower Upper
152 100
151 20.3 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: BN036551.D

Acq: 07 Mar 2025 17:25

Instrument :

BNA_N

ClientSampleId :

MW179D2-20250305

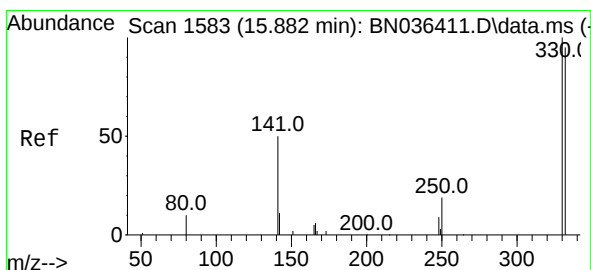
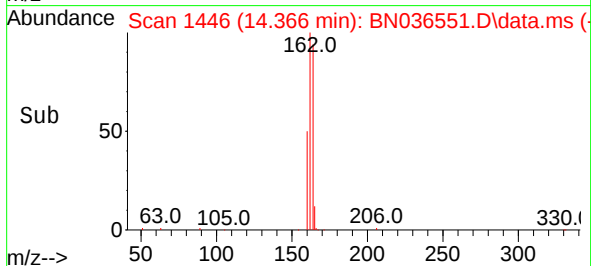
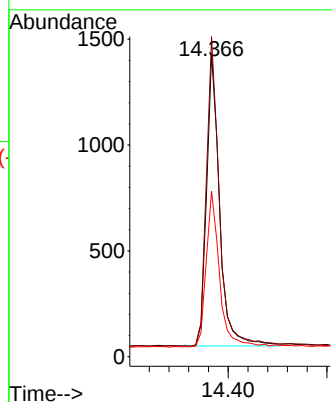
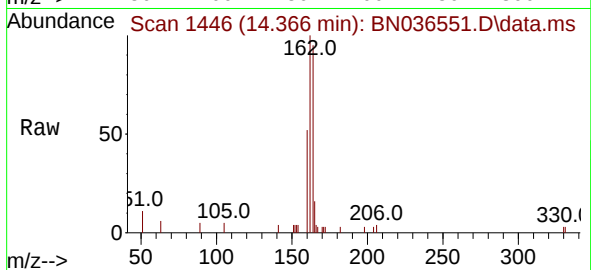
Tgt Ion:164 Resp: 2522

Ion Ratio Lower Upper

164 100

162 105.7 84.1 126.1

160 54.8 41.4 62.0



#14

2,4,6-Tribromophenol

Concen: 0.386 ng

RT: 15.870 min Scan# 1582

Delta R.T. 0.012 min

Lab File: BN036551.D

Acq: 07 Mar 2025 17:25

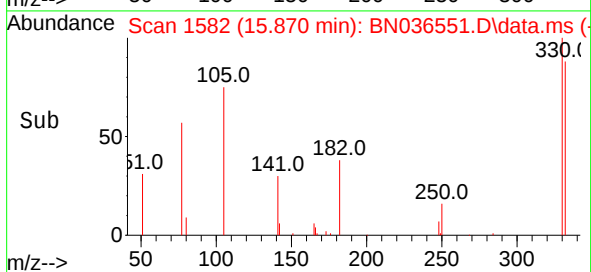
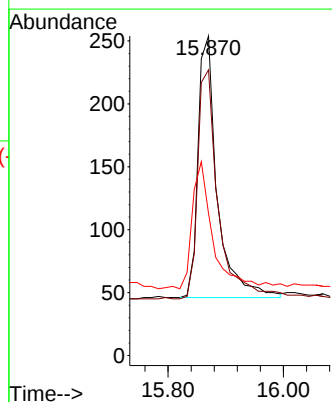
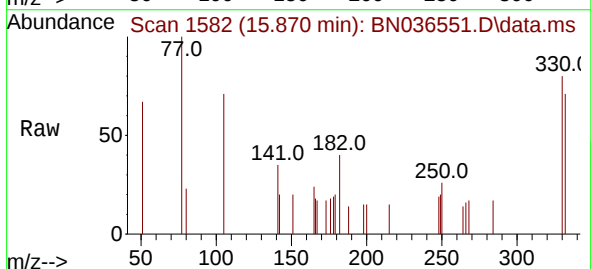
Tgt Ion:330 Resp: 482

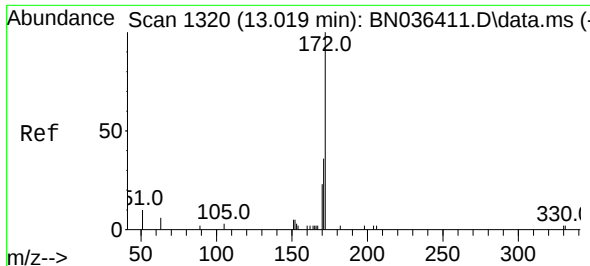
Ion Ratio Lower Upper

330 100

332 94.2 76.6 114.8

141 50.8 37.8 56.8





#15

2-Fluorobiphenyl

Concen: 0.504 ng

RT: 12.998 min Scan# 1317

Delta R.T. 0.010 min

Lab File: BN036551.D

Acq: 07 Mar 2025 17:25

Instrument :

BNA_N

ClientSampleId :

MW179D2-20250305

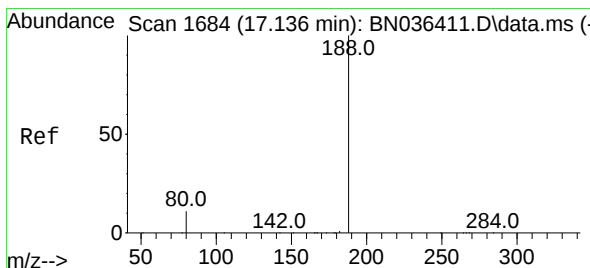
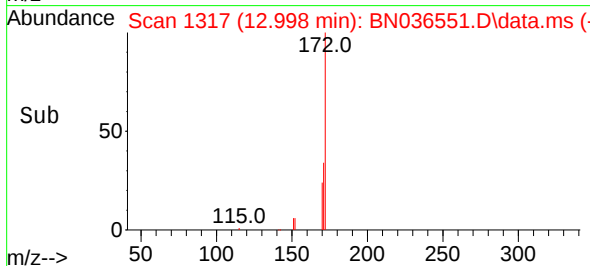
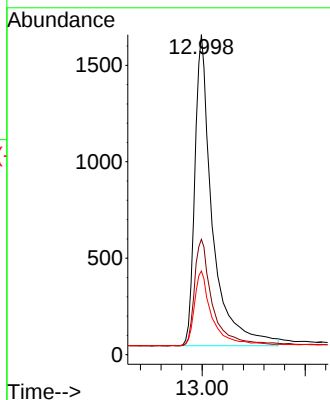
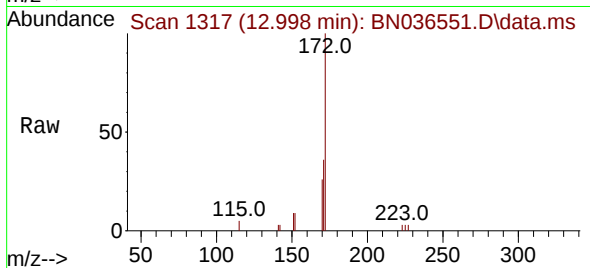
Tgt Ion:172 Resp: 4777

Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

170 26.2 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: BN036551.D

Acq: 07 Mar 2025 17:25

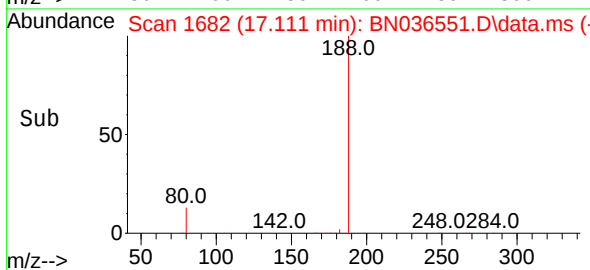
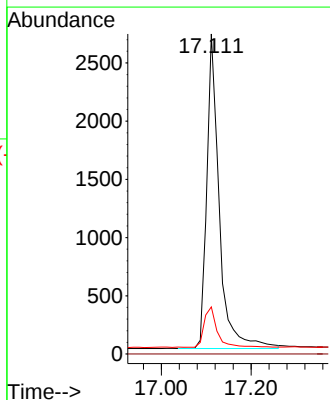
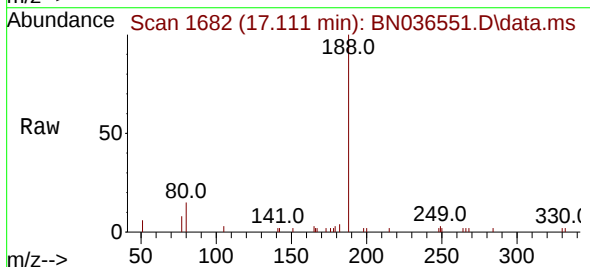
Tgt Ion:188 Resp: 5219

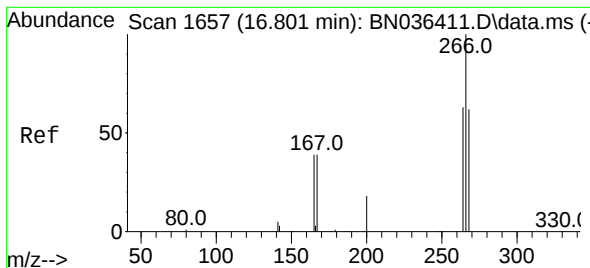
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.7 9.8 14.6#





#24

Pentachlorophenol

Concen: 0.033 ng

RT: 16.776 min Scan# 1655

Delta R.T. 0.012 min

Lab File: BN036551.D

Acq: 07 Mar 2025 17:25

Instrument :

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MW179D2-20250305

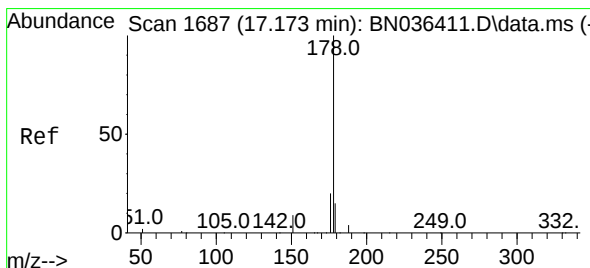
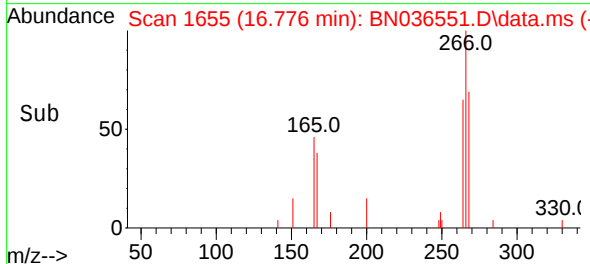
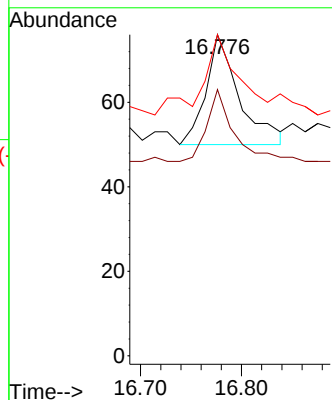
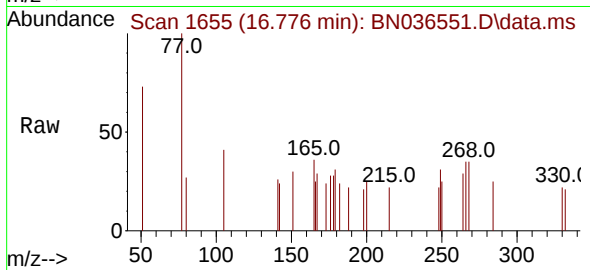
Tgt Ion:266 Resp: 60

Ion Ratio Lower Upper

266 100

264 60.0 50.6 76.0

268 91.7 51.9 77.9#



#25

Phenanthrene

Concen: 0.021 ng

RT: 17.149 min Scan# 1685

Delta R.T. 0.000 min

Lab File: BN036551.D

Acq: 07 Mar 2025 17:25

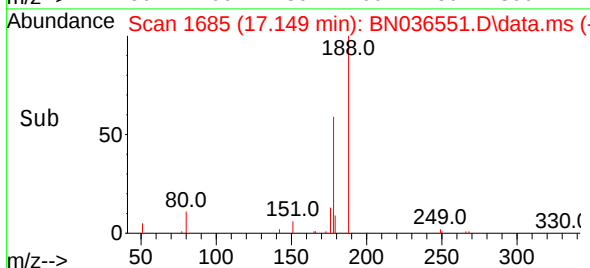
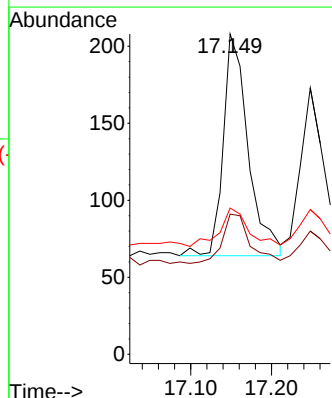
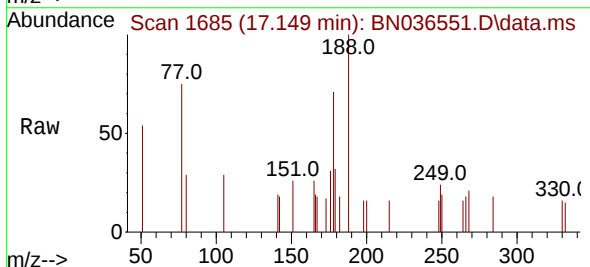
Tgt Ion:178 Resp: 310

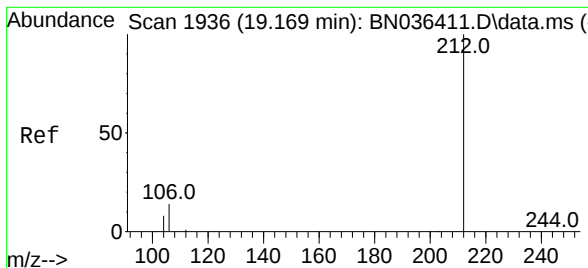
Ion Ratio Lower Upper

178 100

176 24.8 15.7 23.5#

179 19.7 12.4 18.6#





#27

Fluoranthene-d10

Concen: 0.416 ng

RT: 19.141 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BN036551.D

Acq: 07 Mar 2025 17:25

Instrument :

BNA_N

ClientSampleId :

MW179D2-20250305

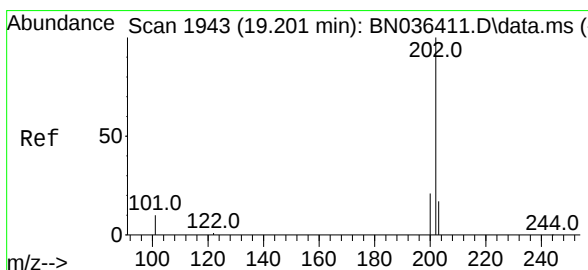
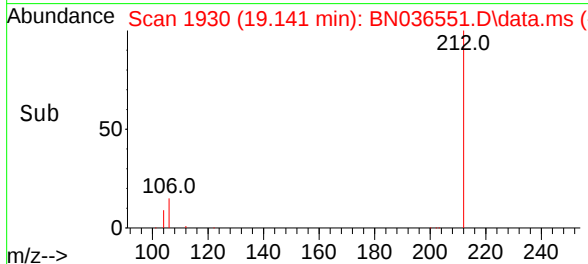
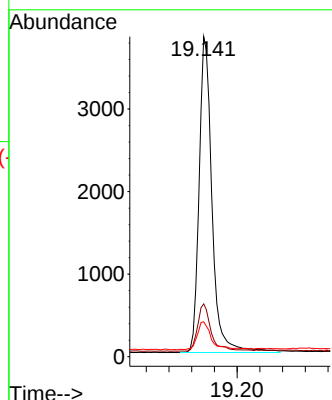
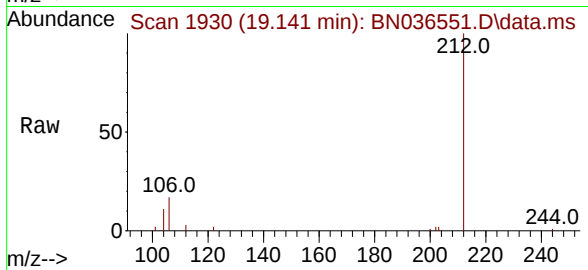
Tgt Ion:212 Resp: 6034

Ion Ratio Lower Upper

212 100

106 15.8 11.5 17.3

104 9.8 7.1 10.7



#28

Fluoranthene

Concen: 0.027 ng

RT: 19.174 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BN036551.D

Acq: 07 Mar 2025 17:25

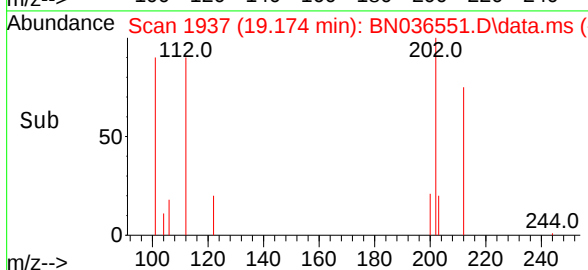
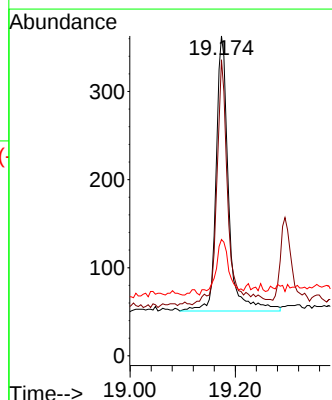
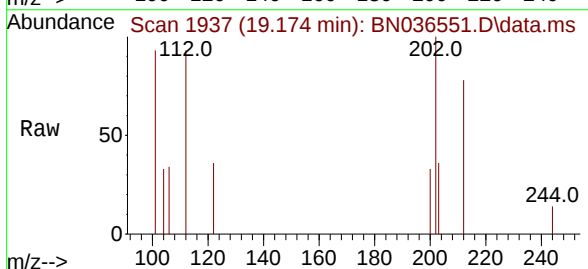
Tgt Ion:202 Resp: 508

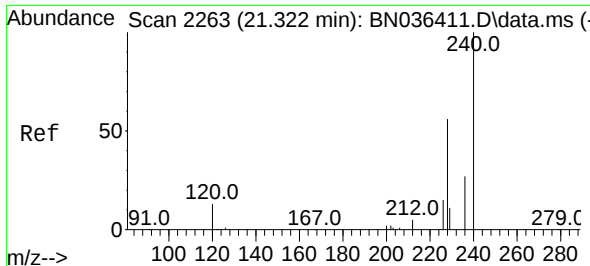
Ion Ratio Lower Upper

202 100

101 78.1 9.2 13.8#

203 21.9 13.4 20.0#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN036551.D

Acq: 07 Mar 2025 17:25

Instrument :

BNA_N

ClientSampleId :

MW179D2-20250305

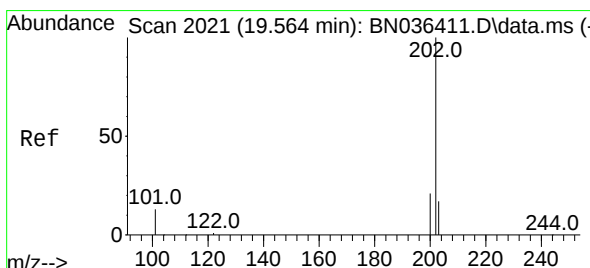
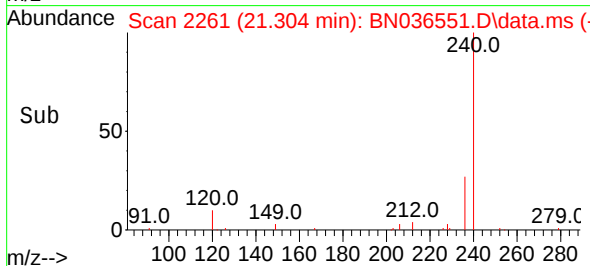
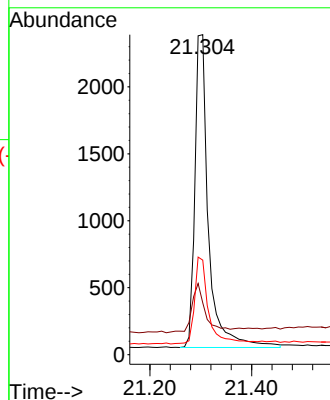
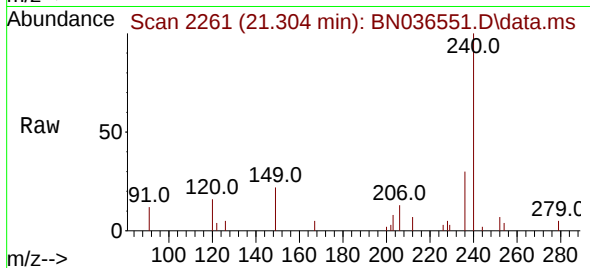
Tgt Ion:240 Resp: 4347

Ion Ratio Lower Upper

240 100

120 16.2 13.3 19.9

236 29.5 23.0 34.6



#30

Pyrene

Concen: 0.030 ng

RT: 19.536 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BN036551.D

Acq: 07 Mar 2025 17:25

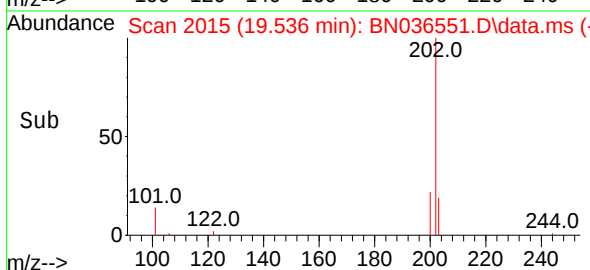
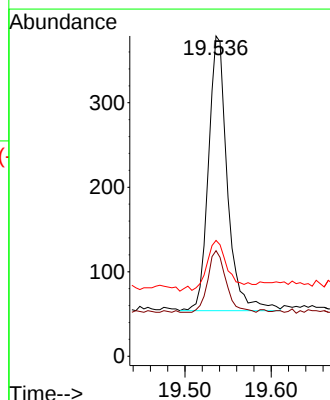
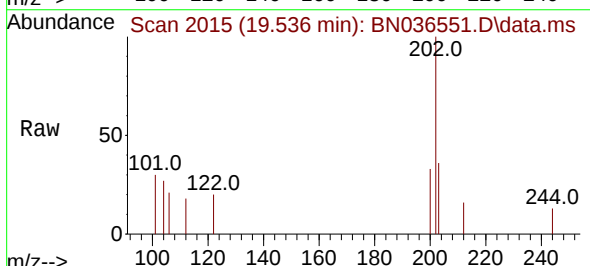
Tgt Ion:202 Resp: 494

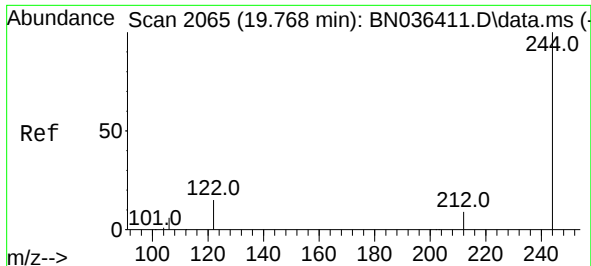
Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

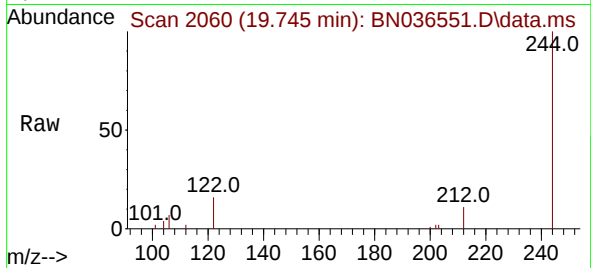
203 20.0 13.9 20.9



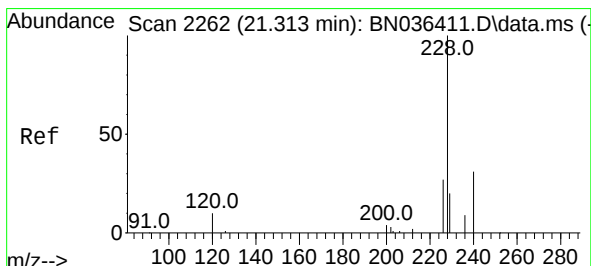
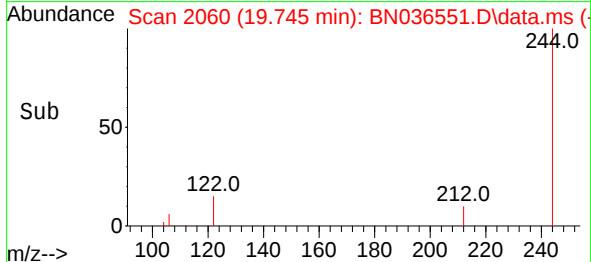
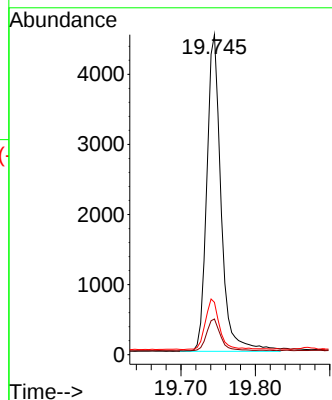


#31
 Terphenyl-d14
 Concen: 0.649 ng
 RT: 19.745 min Scan# 2065
 Delta R.T. 0.000 min
 Lab File: BN036551.D
 Acq: 07 Mar 2025 17:25

Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20250305

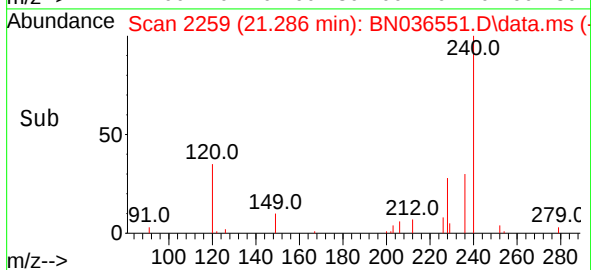
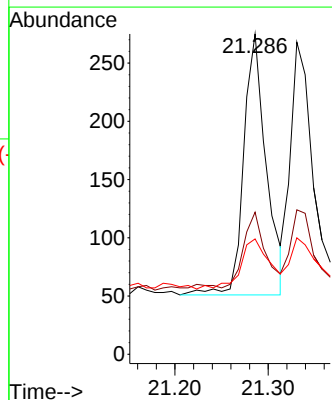
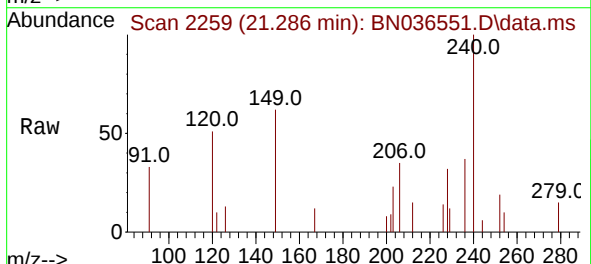


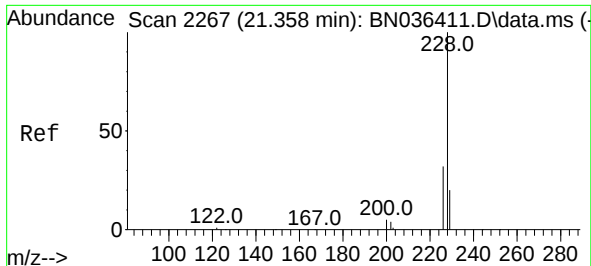
Tgt Ion:244 Resp: 6019
 Ion Ratio Lower Upper
 244 100
 212 11.1 8.1 12.1
 122 16.3 12.8 19.2



#32
 Benzo(a)anthracene
 Concen: 0.026 ng
 RT: 21.286 min Scan# 2259
 Delta R.T. 0.009 min
 Lab File: BN036551.D
 Acq: 07 Mar 2025 17:25

Tgt Ion:228 Resp: 377
 Ion Ratio Lower Upper
 228 100
 226 44.4 22.2 33.2#
 229 36.0 16.5 24.7#





#33

Chrysene

Concen: 0.026 ng

RT: 21.331 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036551.D

Acq: 07 Mar 2025 17:25

Instrument :

BNA_N

ClientSampleId :

MW179D2-20250305

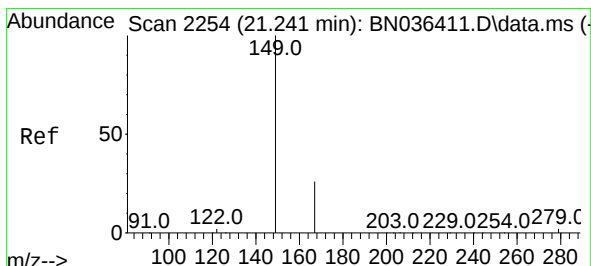
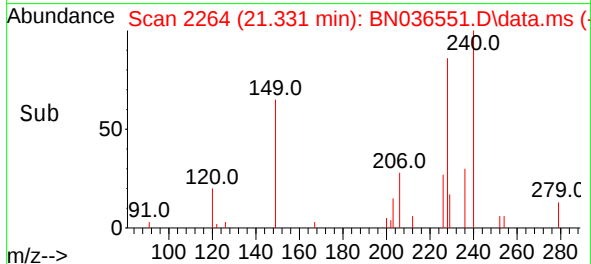
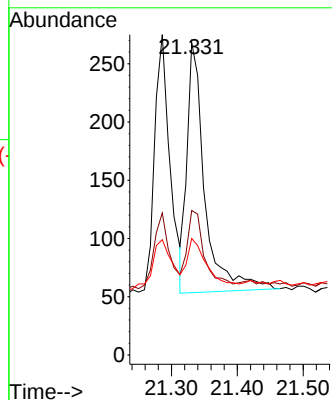
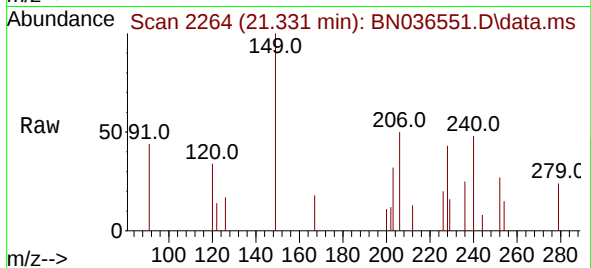
Tgt Ion:228 Resp: 402

Ion Ratio Lower Upper

228 100

226 46.3 25.5 38.3#

229 37.3 16.4 24.6#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.084 ng

RT: 21.214 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN036551.D

Acq: 07 Mar 2025 17:25

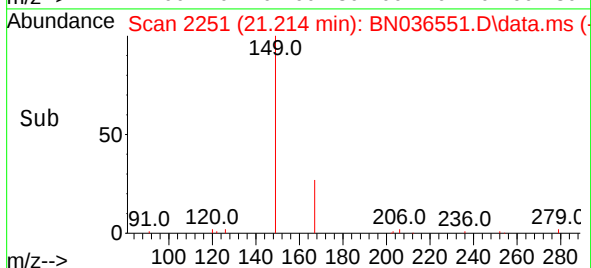
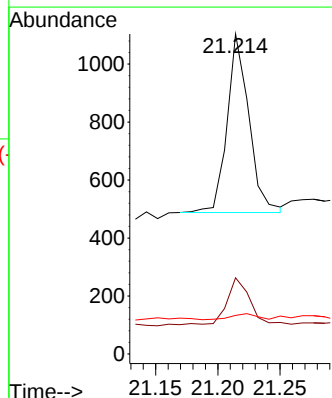
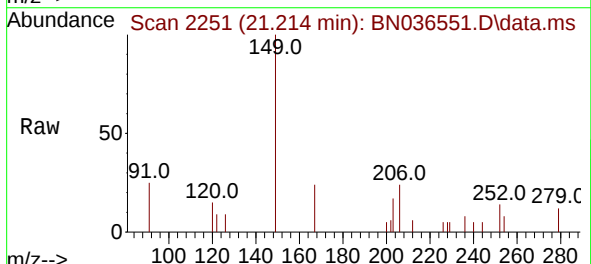
Tgt Ion:149 Resp: 751

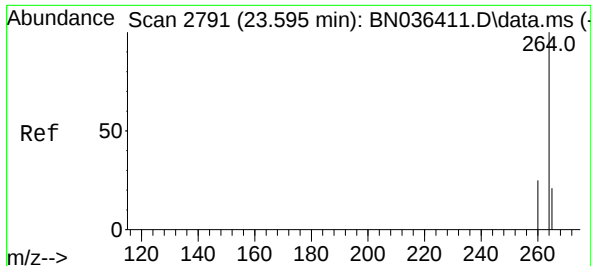
Ion Ratio Lower Upper

149 100

167 27.4 21.2 31.8

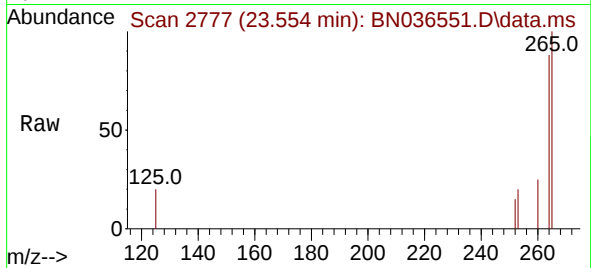
279 4.0 2.7 4.1



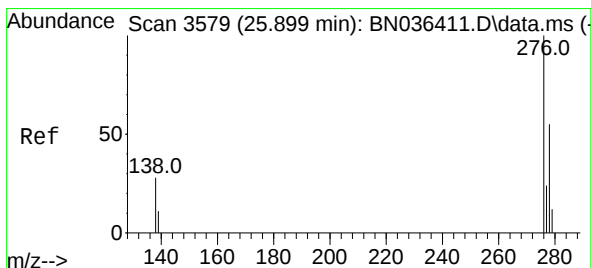
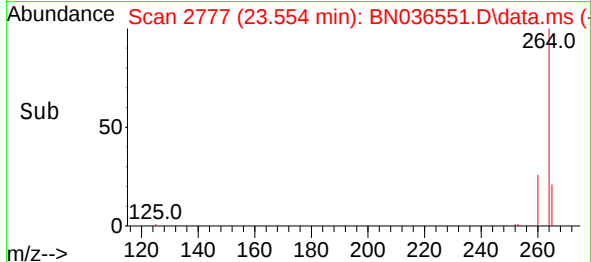
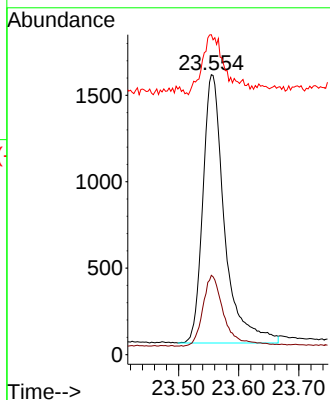


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.554 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN036551.D
Acq: 07 Mar 2025 17:25

Instrument :
BNA_N
ClientSampleId :
MW179D2-20250305

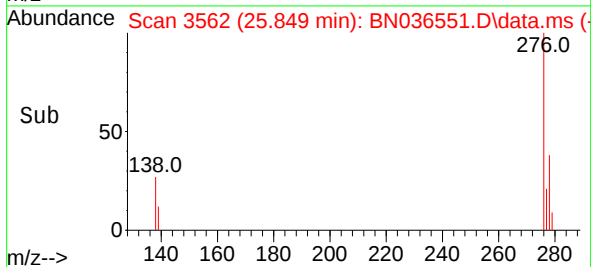
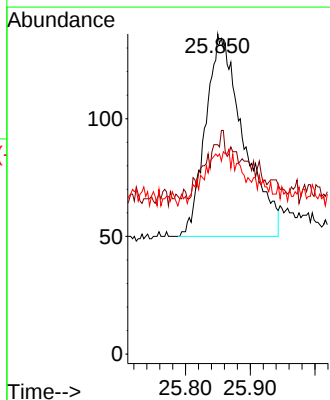
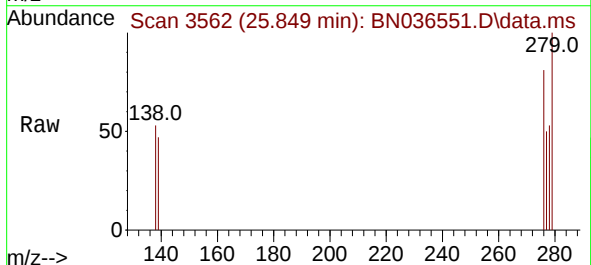


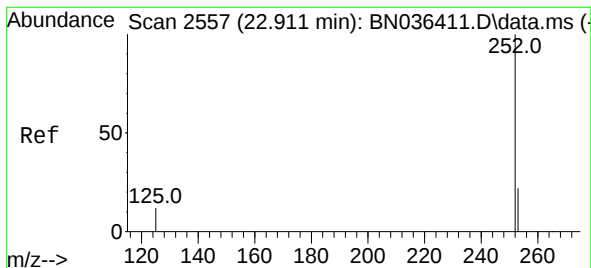
Tgt Ion:264 Resp: 3883
Ion Ratio Lower Upper
264 100
260 28.3 20.9 31.3
265 114.3 60.7 91.1#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.026 ng
RT: 25.849 min Scan# 3562
Delta R.T. 0.012 min
Lab File: BN036551.D
Acq: 07 Mar 2025 17:25

Tgt Ion:276 Resp: 351
Ion Ratio Lower Upper
276 100
138 16.5 22.2 33.2#
277 12.0 19.8 29.6#





#37

Benzo(b)fluoranthene

Concen: 0.032 ng

RT: 22.879 min Scan# 2546

Delta R.T. 0.006 min

Lab File: BN036551.D

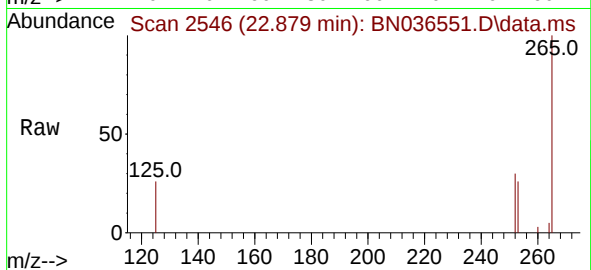
Acq: 07 Mar 2025 17:25

Instrument :

BN036551.D

ClientSampleId :

MW179D2-20250305



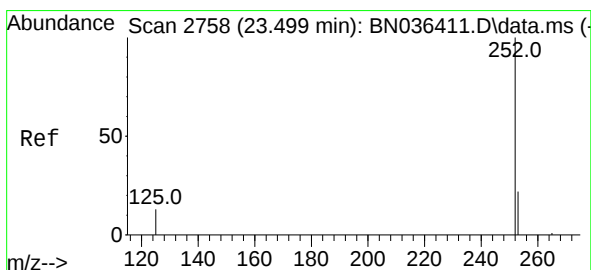
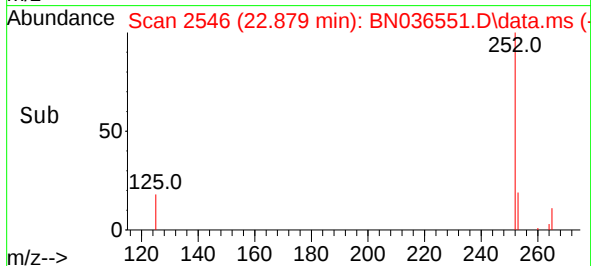
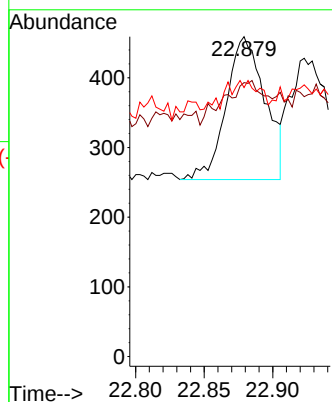
Tgt Ion:252 Resp: 404

Ion Ratio Lower Upper

252 100

253 85.6 21.9 32.9#

125 84.1 15.0 22.6#



#39

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.461 min Scan# 2745

Delta R.T. 0.006 min

Lab File: BN036551.D

Acq: 07 Mar 2025 17:25

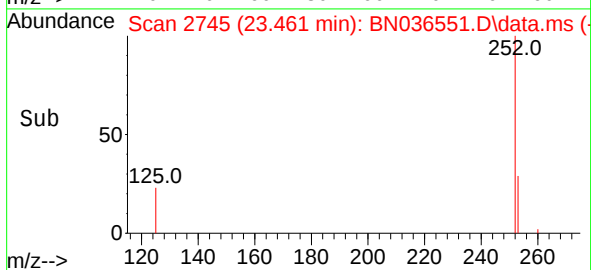
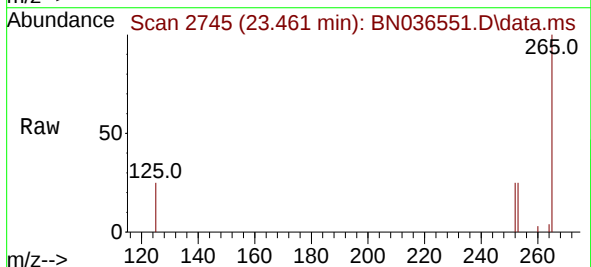
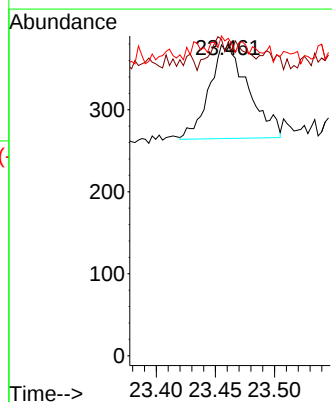
Tgt Ion:252 Resp: 264

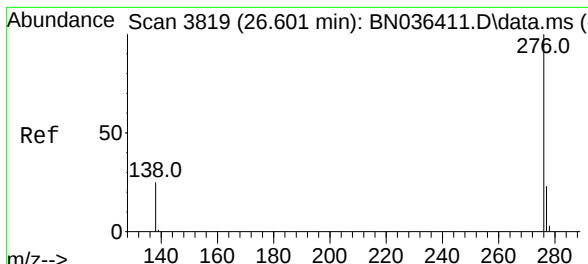
Ion Ratio Lower Upper

252 100

253 100.8 24.4 36.6#

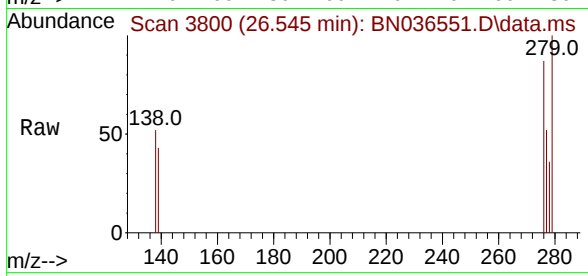
125 101.8 18.2 27.2#





#41
 Benzo(g,h,i)perylene
 Concen: 0.026 ng
 RT: 26.545 min Scan# 317
 Delta R.T. 0.018 min
 Lab File: BN036551.D
 Acq: 07 Mar 2025 17:25

Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20250305



Tgt Ion: 276 Resp: 317

Ion	Ratio	Lower	Upper
276	100		
277	59.7	20.7	31.1#
138	60.4	21.8	32.6#

