

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038298.D
 Acq On : 10 Dec 2025 09:52
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Dec 10 13:58:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

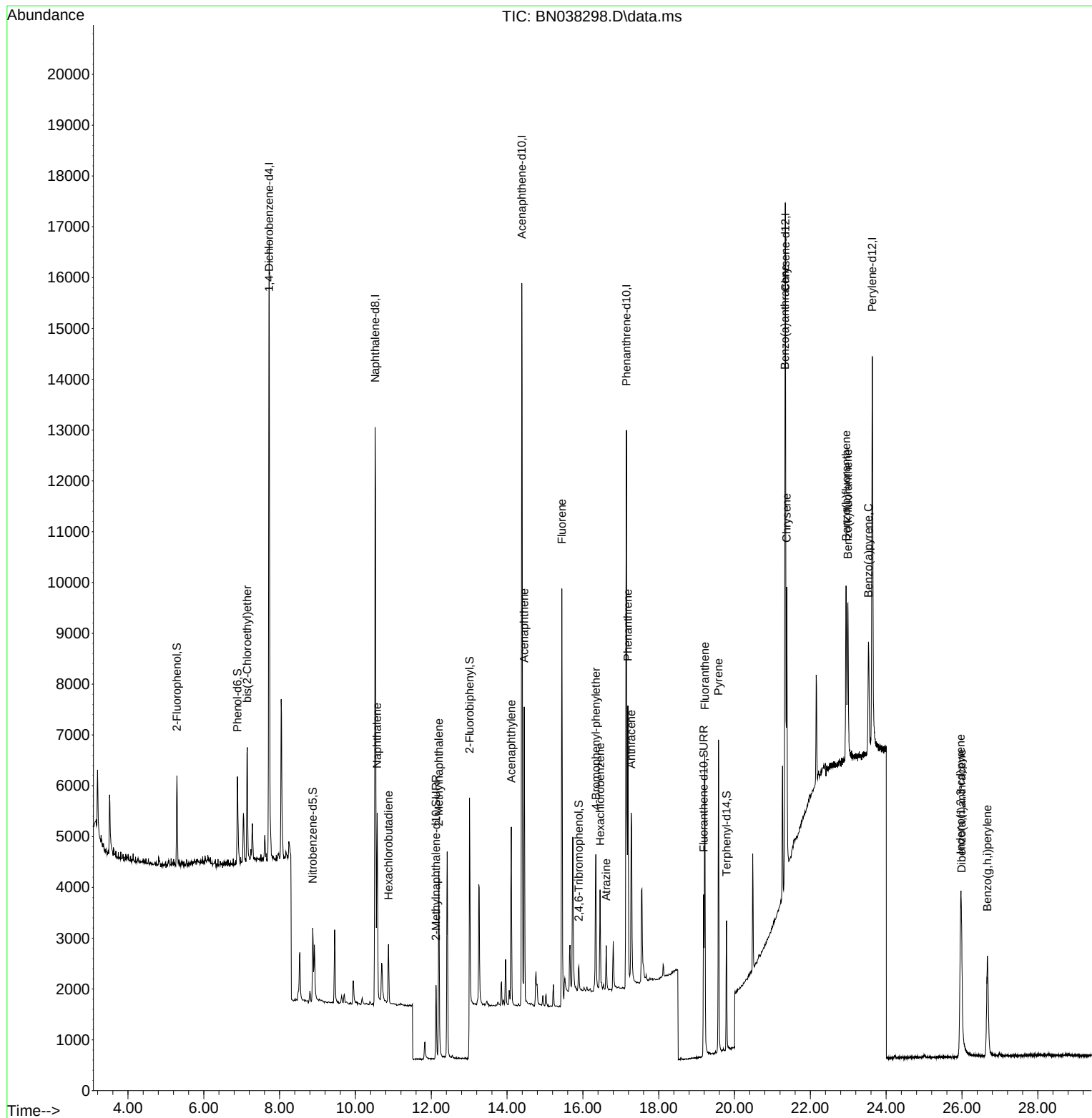
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6259	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	16430	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8491	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	15796	0.400	ng	0.00
29) Chrysene-d12	21.340	240	11291	0.400	ng	0.00
35) Perylene-d12	23.633	264	10537	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	1492	0.096	ng	0.00
5) Phenol-d6	6.887	99	1718	0.093	ng	0.00
8) Nitrobenzene-d5	8.875	82	1335	0.096	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	2230	0.096	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	351	0.093	ng	0.00
15) 2-Fluorobiphenyl	13.009	172	4119	0.101	ng	0.00
27) Fluoranthene-d10	19.188	212	3672	0.094	ng	0.00
31) Terphenyl-d14	19.787	244	2576	0.102	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.147	93	1809	0.100	ng	99
9) Naphthalene	10.573	128	4821	0.099	ng	96
10) Hexachlorobutadiene	10.872	225	896	0.104	ng	# 99
12) 2-Methylnaphthalene	12.202	142	2965	0.096	ng	98
16) Acenaphthylene	14.110	152	4012	0.096	ng	99
17) Acenaphthene	14.452	154	2783	0.096	ng	95
18) Fluorene	15.446	166	3800	0.102	ng	98
21) 4-Bromophenyl-phenylether	16.342	248	1138	0.097	ng	96
22) Hexachlorobenzene	16.454	284	1462	0.104	ng	97
23) Atrazine	16.615	200	727	0.091	ng	# 94
25) Phenanthrene	17.186	178	5585	0.102	ng	100
26) Anthracene	17.273	178	4544	0.096	ng	99
28) Fluoranthene	19.215	202	5615	0.096	ng	99
30) Pyrene	19.578	202	5753	0.103	ng	100
32) Benzo(a)anthracene	21.331	228	4166	0.096	ng	98
33) Chrysene	21.375	228	4665	0.097	ng	98
36) Indeno(1,2,3-cd)pyrene	25.967	276	4777	0.085	ng	98
37) Benzo(b)fluoranthene	22.943	252	4408	0.091	ng	# 64
38) Benzo(k)fluoranthene	22.990	252	4206	0.087	ng	# 62
39) Benzo(a)pyrene	23.534	252	3570	0.090	ng	# 55
40) Dibenzo(a,h)anthracene	25.987	278	3677	0.085	ng	# 75
41) Benzo(g,h,i)perylene	26.671	276	4274	0.089	ng	# 87

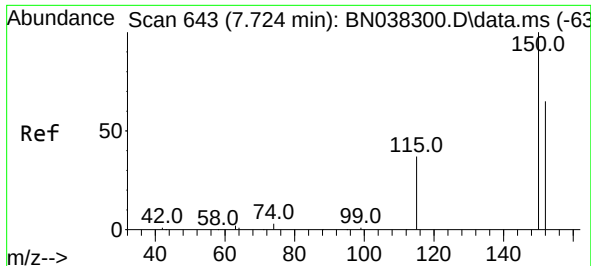
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038298.D
Acq On : 10 Dec 2025 09:52
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Dec 10 13:58:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

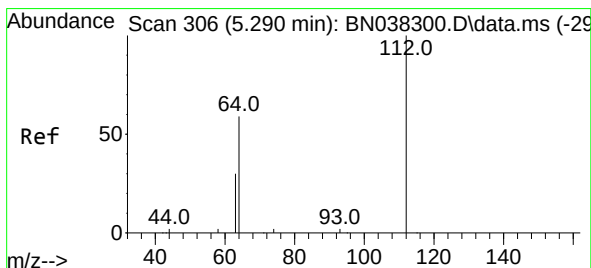
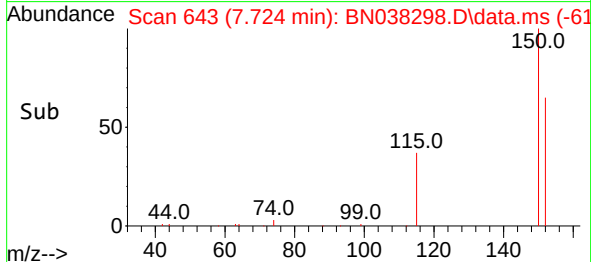
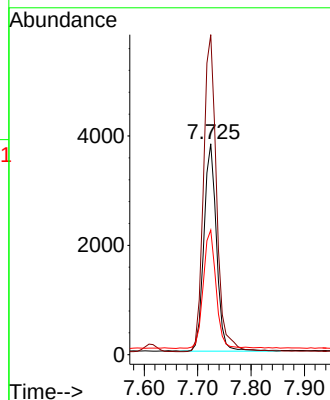
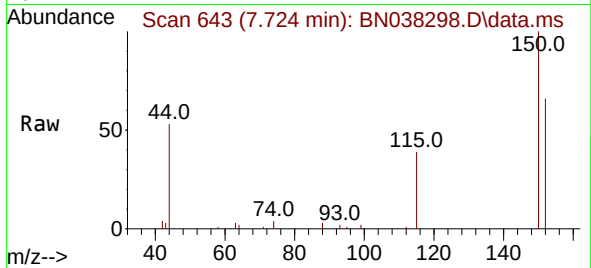




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.724 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN038298.D
 Acq: 10 Dec 2025 09:52

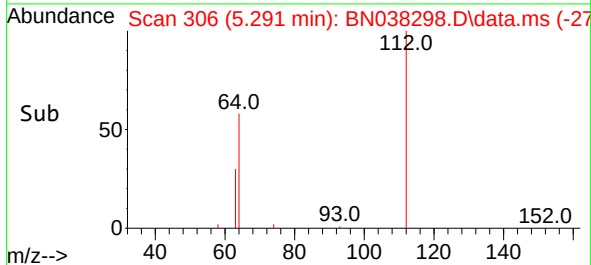
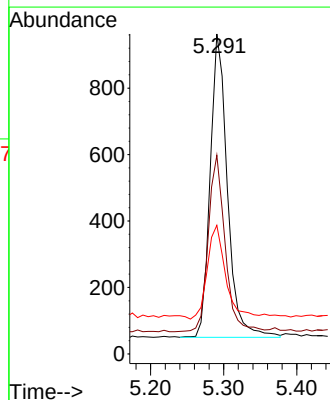
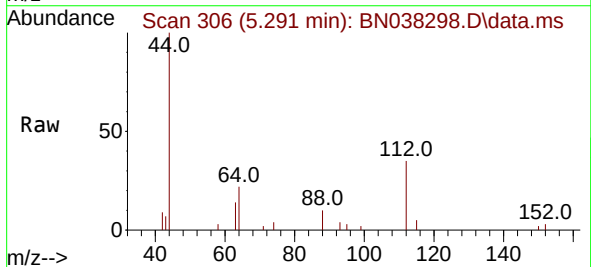
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

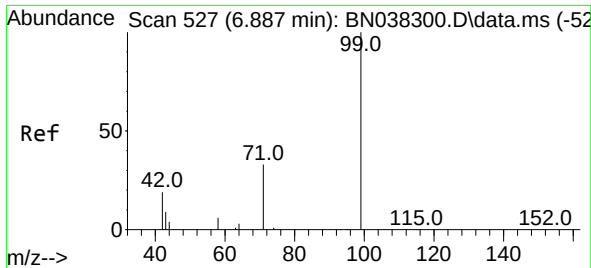
Tgt Ion:152 Resp: 6259
 Ion Ratio Lower Upper
 152 100
 150 151.8 122.4 183.6
 115 59.1 47.3 70.9



#4
 2-Fluorophenol
 Concen: 0.096 ng
 RT: 5.291 min Scan# 306
 Delta R.T. 0.000 min
 Lab File: BN038298.D
 Acq: 10 Dec 2025 09:52

Tgt Ion:112 Resp: 1492
 Ion Ratio Lower Upper
 112 100
 64 56.7 44.4 66.6
 63 33.1 23.4 35.0

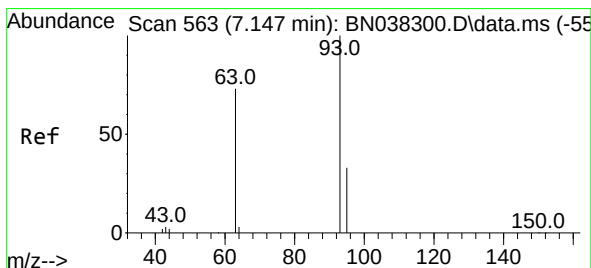
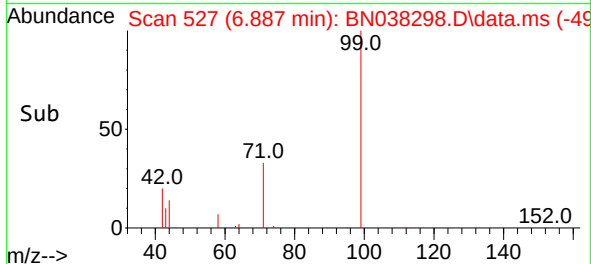
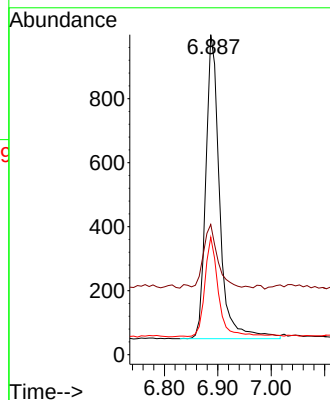
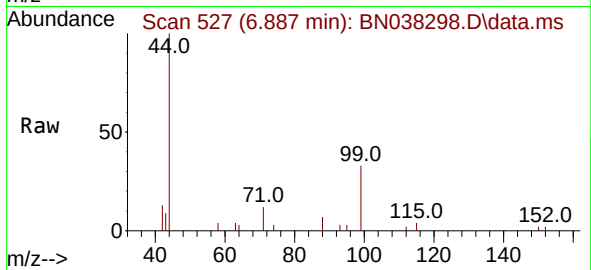




#5
Phenol-d6
Concen: 0.093 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

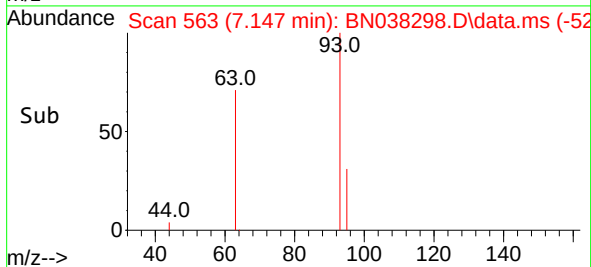
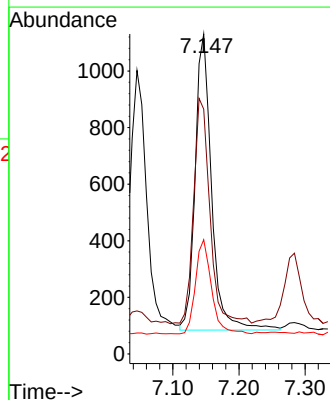
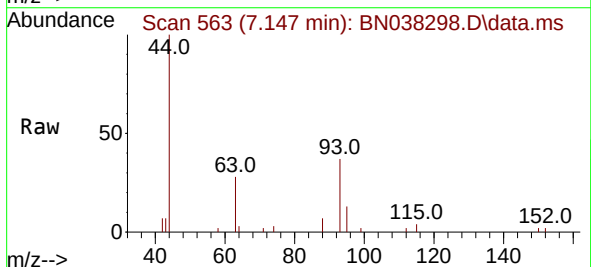
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

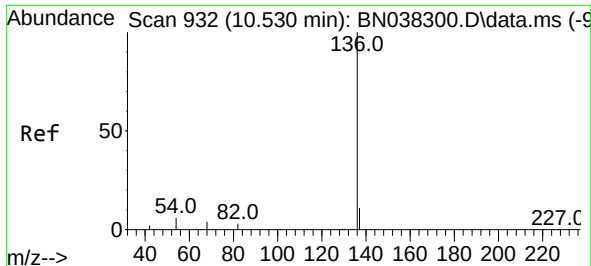
Tgt Ion: 99 Resp: 1718
Ion Ratio Lower Upper
99 100
42 22.1 16.5 24.7
71 32.3 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.100 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion: 93 Resp: 1809
Ion Ratio Lower Upper
93 100
63 75.2 59.2 88.8
95 31.2 25.2 37.8

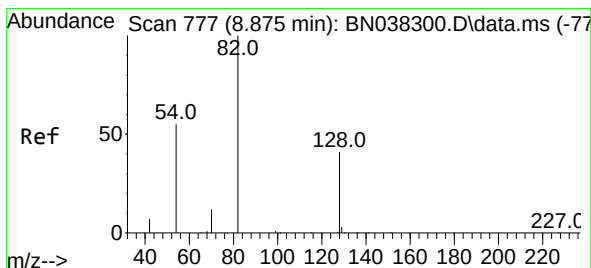
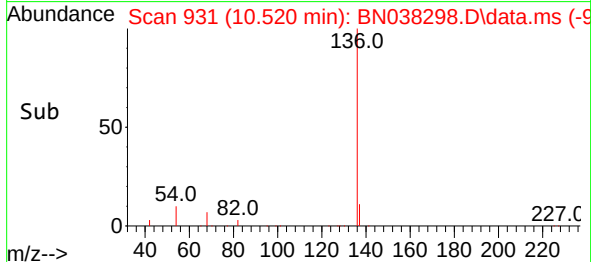
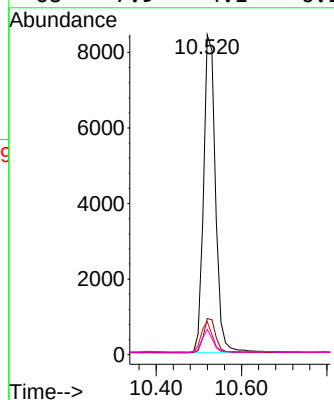
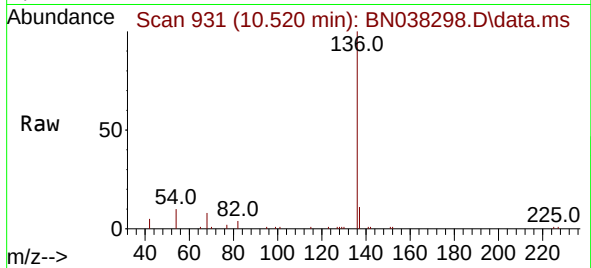




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

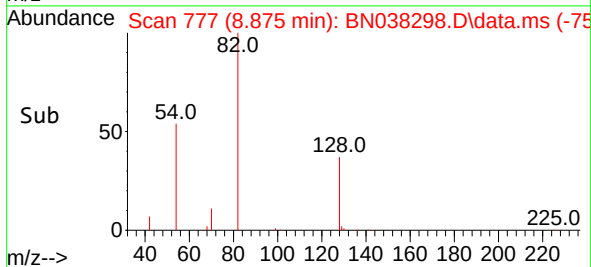
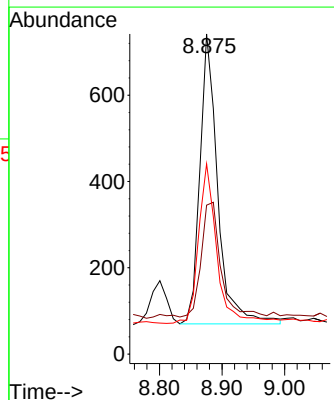
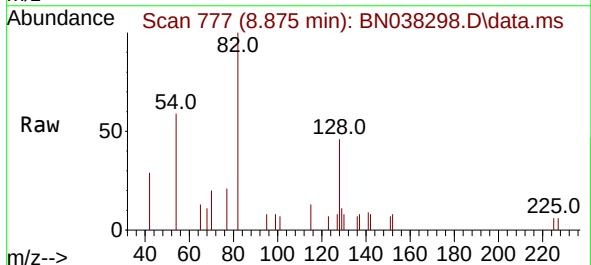
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

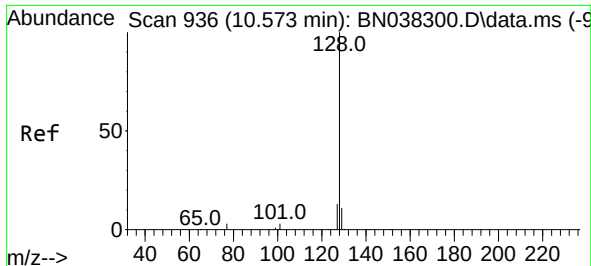
Tgt Ion:136 Resp: 16430
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 10.4 5.2 7.8#
68 7.9 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.096 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion: 82 Resp: 1335
Ion Ratio Lower Upper
82 100
128 46.5 34.0 51.0
54 59.4 44.4 66.6

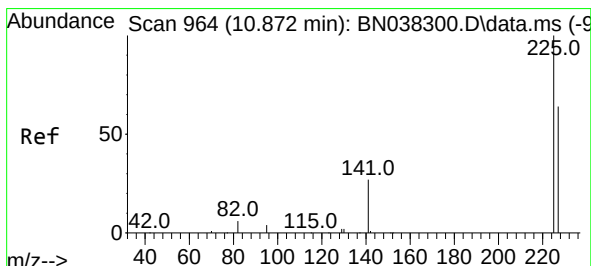
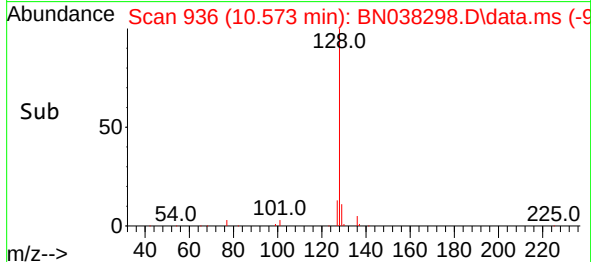
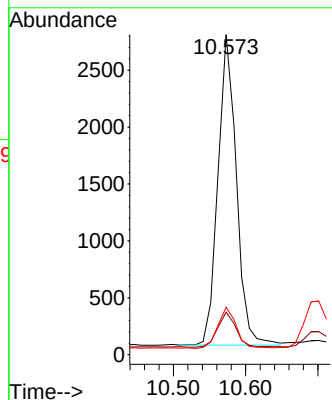
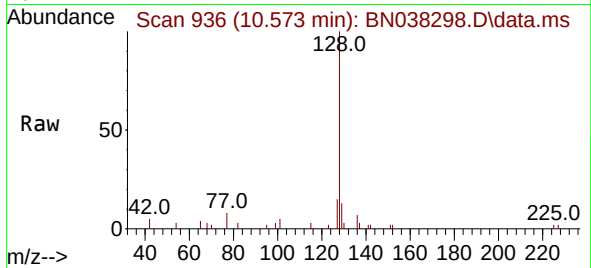




#9
Naphthalene
Concen: 0.099 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

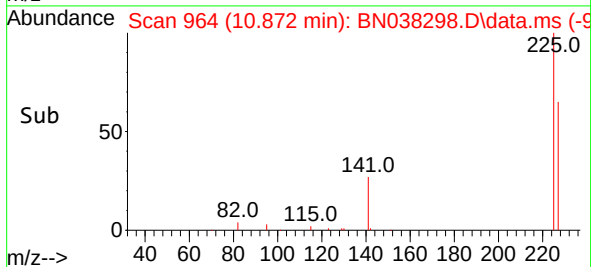
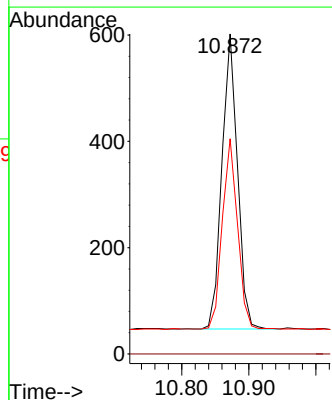
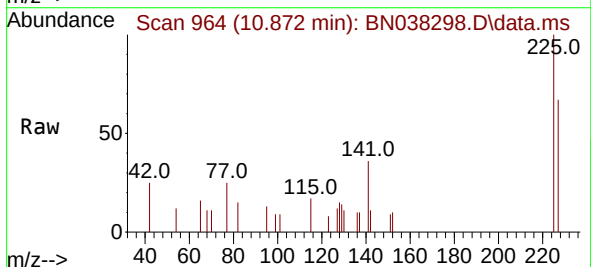
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

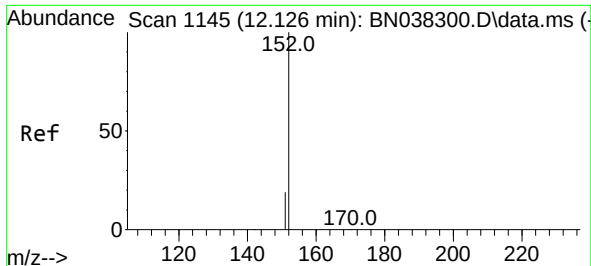
Tgt Ion:128 Resp: 4821
Ion Ratio Lower Upper
128 100
129 13.3 9.1 13.7
127 14.8 10.9 16.3



#10
Hexachlorobutadiene
Concen: 0.104 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:225 Resp: 896
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.2 51.2 76.8

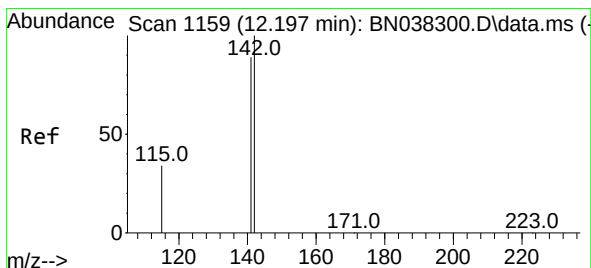
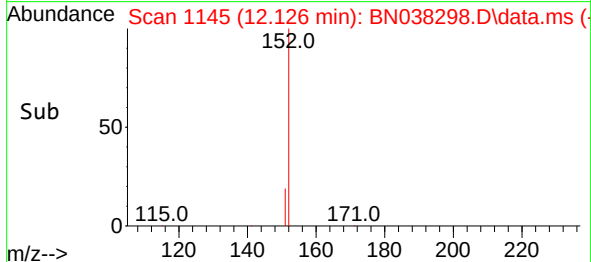
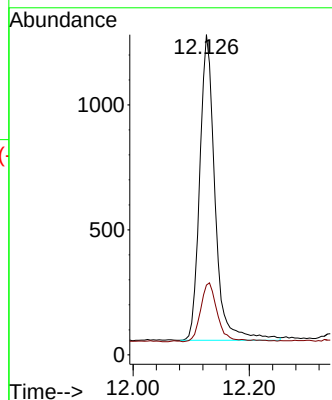
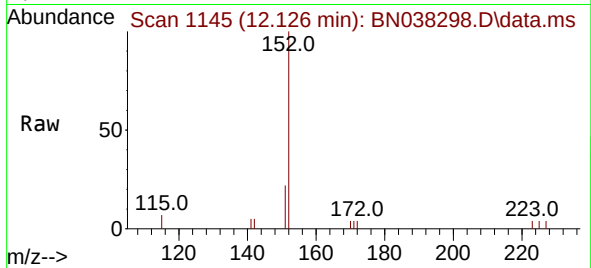




#11
2-Methylnaphthalene-d10
Concen: 0.096 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

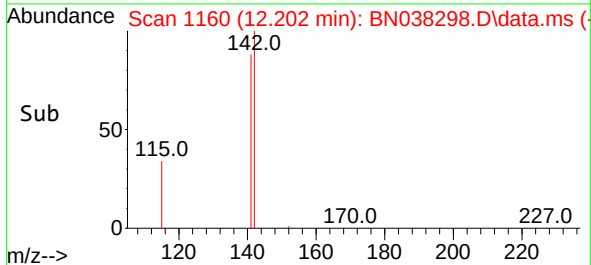
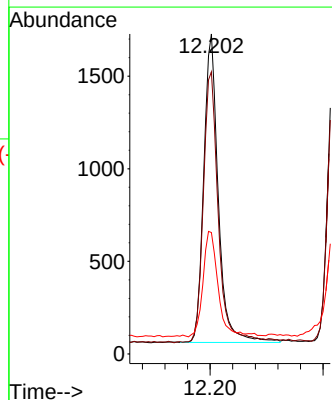
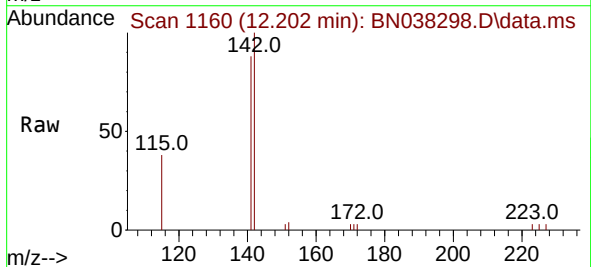
Instrument :
BNA_N
ClientSampleId :
SSTDIC0.1

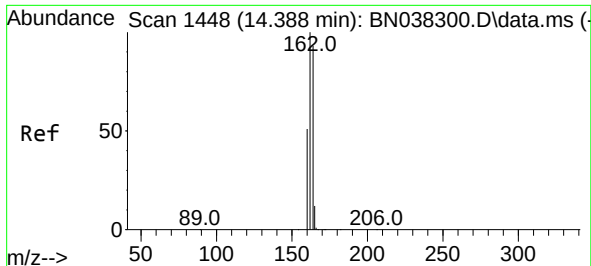
Tgt Ion:152 Resp: 2230
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.096 ng
RT: 12.202 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:142 Resp: 2965
Ion Ratio Lower Upper
142 100
141 88.1 71.4 107.2
115 38.0 28.4 42.6

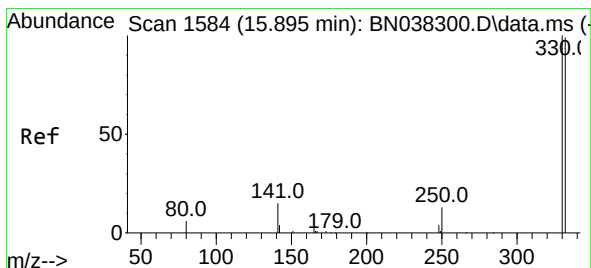
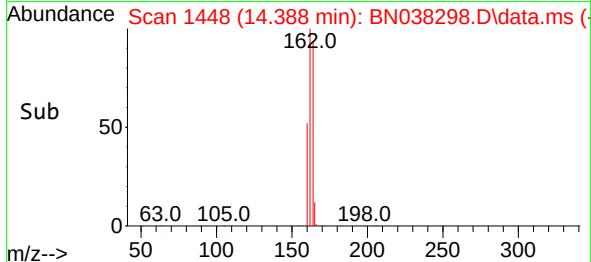
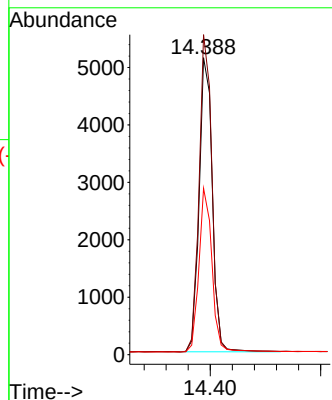
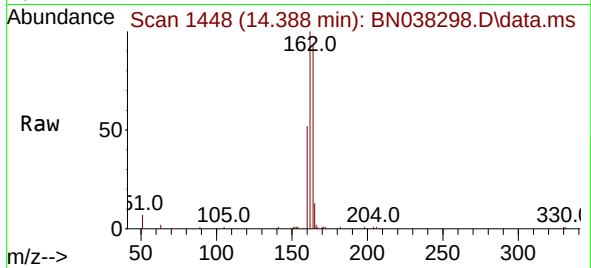




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

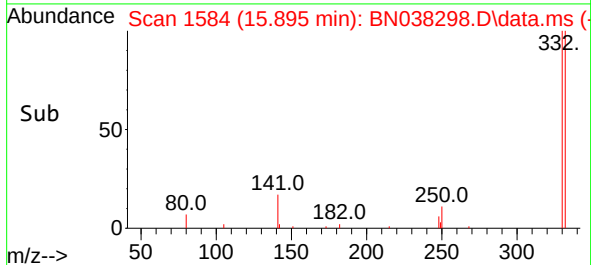
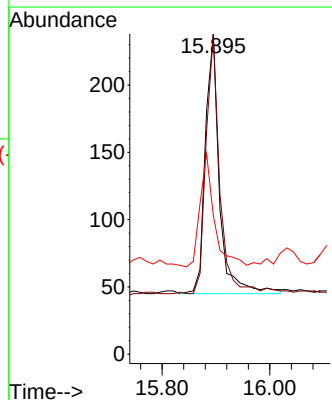
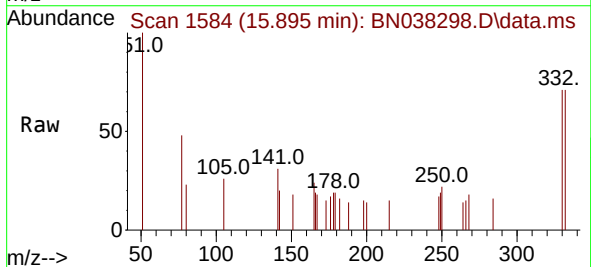
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

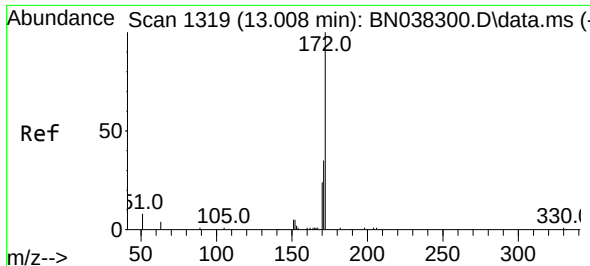
Tgt Ion:164 Resp: 8491
Ion Ratio Lower Upper
164 100
162 107.7 86.2 129.4
160 56.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.093 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:330 Resp: 351
Ion Ratio Lower Upper
330 100
332 98.0 75.8 113.6
141 43.6 31.8 47.8

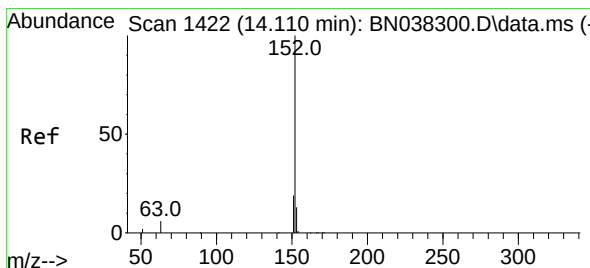
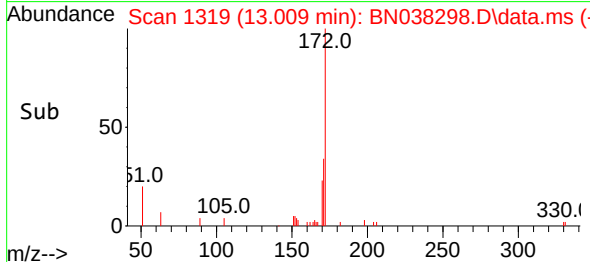
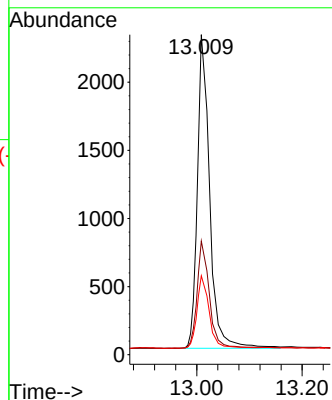
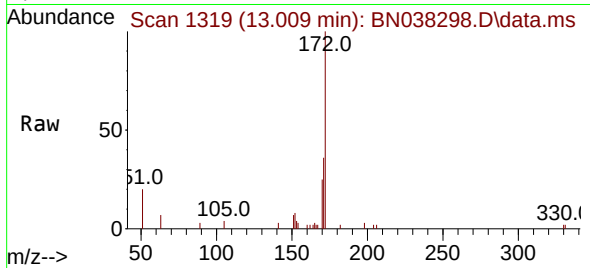




#15
2-Fluorobiphenyl
Concen: 0.101 ng
RT: 13.009 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

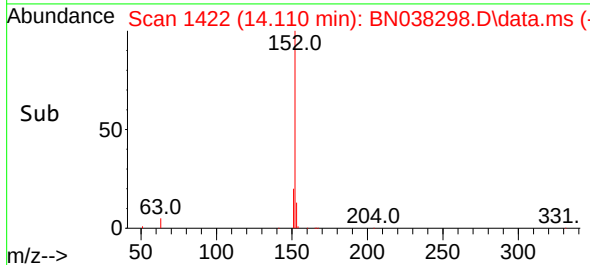
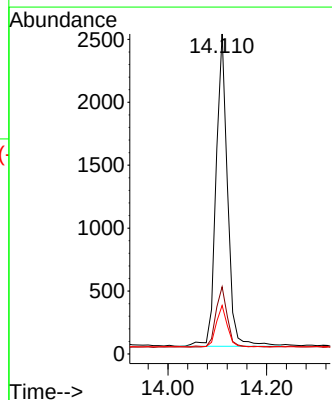
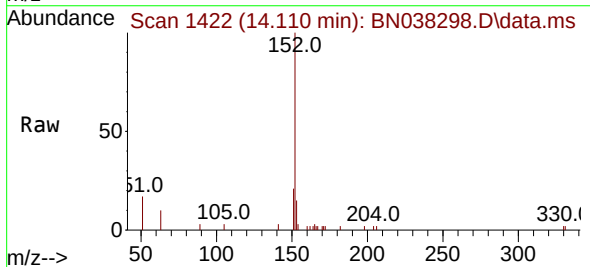
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

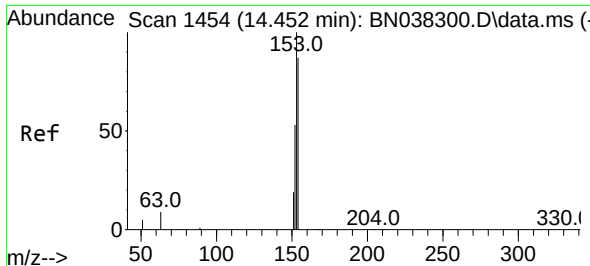
Tgt Ion:172 Resp: 4119
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 24.6 19.3 28.9



#16
Acenaphthylene
Concen: 0.096 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:152 Resp: 4012
Ion Ratio Lower Upper
152 100
151 19.1 15.4 23.2
153 13.4 10.2 15.4

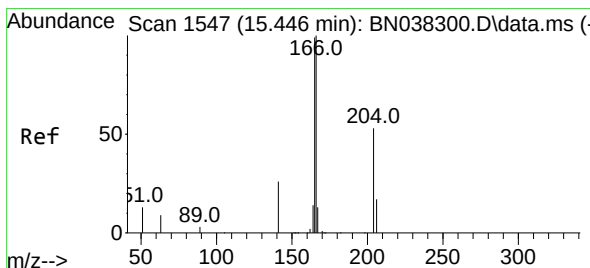
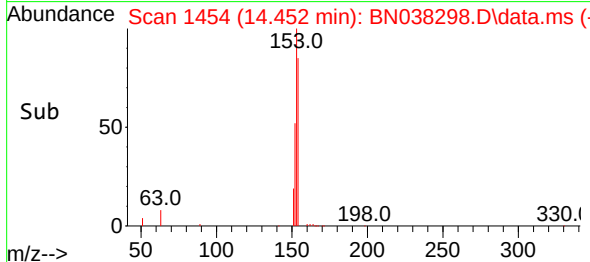
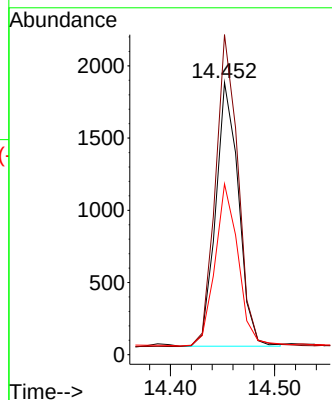
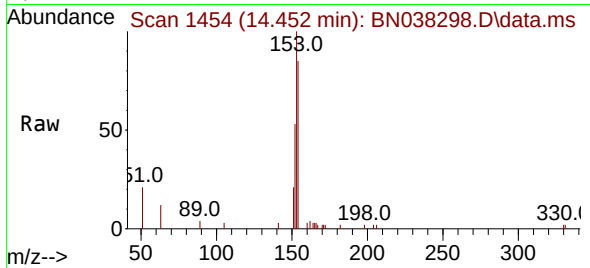




#17
Acenaphthene
Concen: 0.096 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

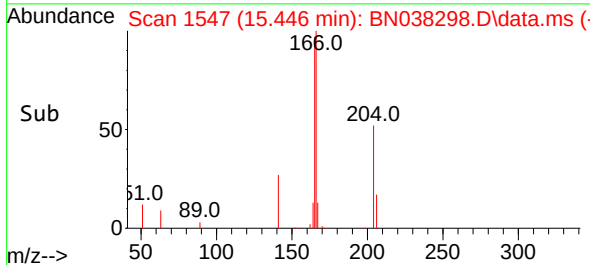
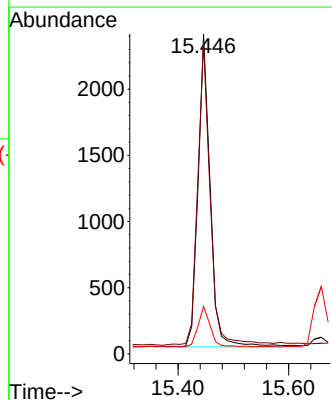
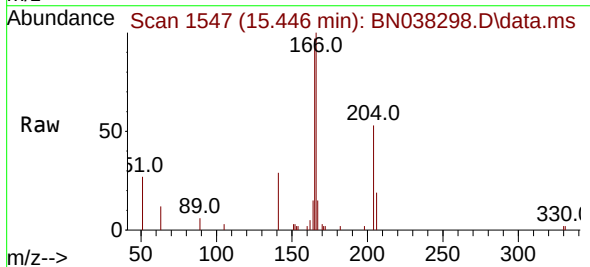
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

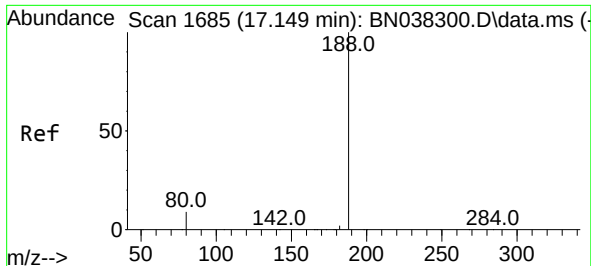
Tgt Ion:154 Resp: 2783
Ion Ratio Lower Upper
154 100
153 118.0 89.8 134.8
152 63.1 47.5 71.3



#18
Fluorene
Concen: 0.102 ng
RT: 15.446 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:166 Resp: 3800
Ion Ratio Lower Upper
166 100
165 98.0 80.2 120.4
167 13.5 10.6 16.0

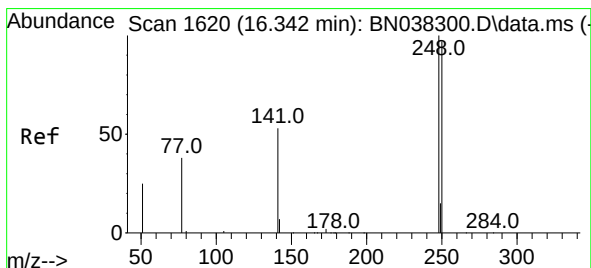
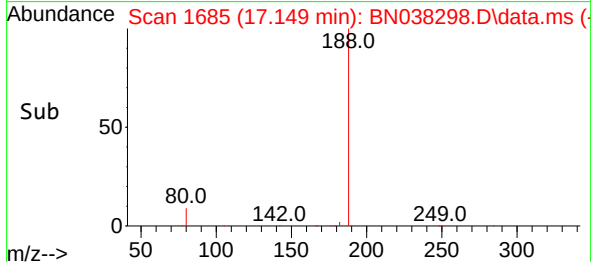
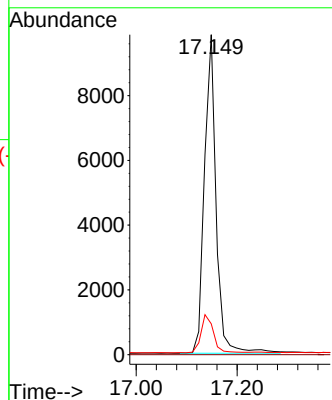
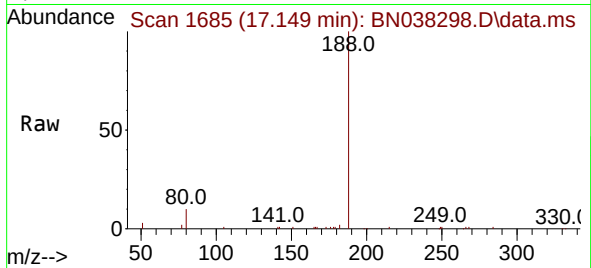




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

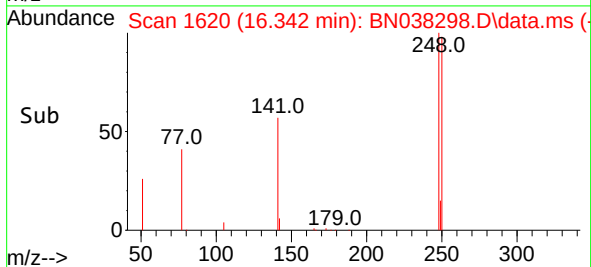
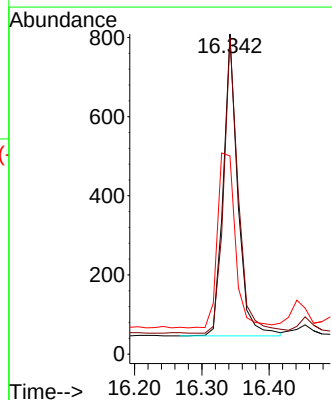
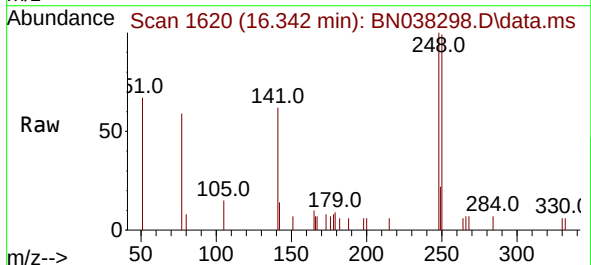
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

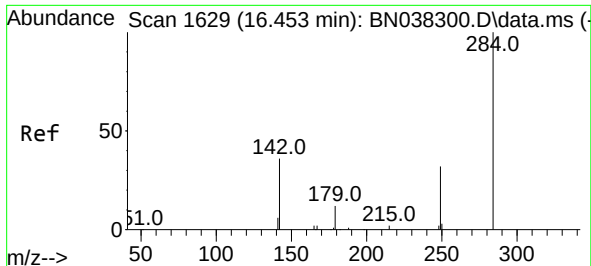
Tgt Ion:188 Resp: 15796
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.7 7.4 11.0



#21
4-Bromophenyl-phenylether
Concen: 0.097 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:248 Resp: 1138
Ion Ratio Lower Upper
248 100
250 98.9 78.2 117.2
141 61.9 43.7 65.5

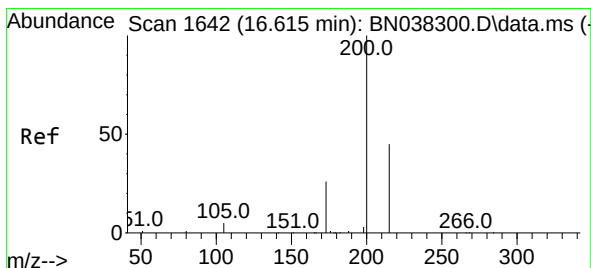
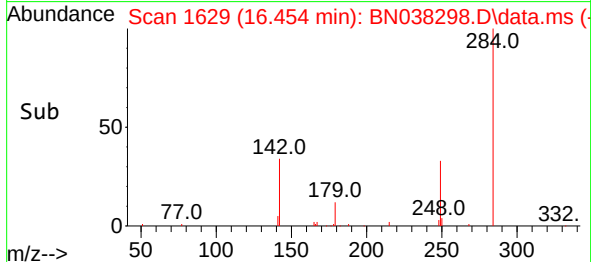
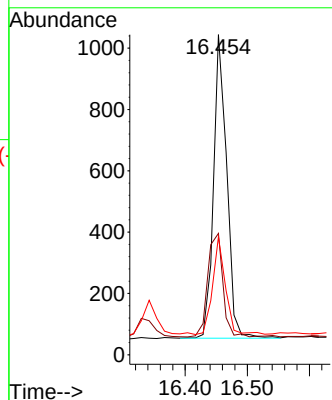
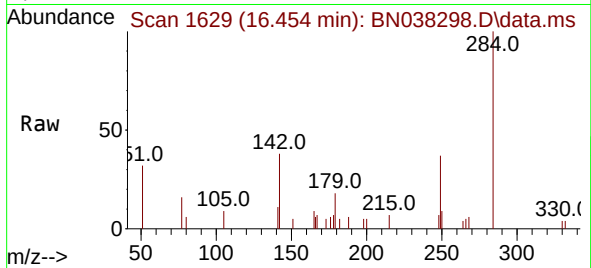




#22
Hexachlorobenzene
Concen: 0.104 ng
RT: 16.454 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

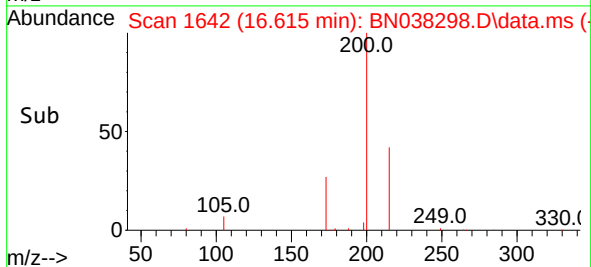
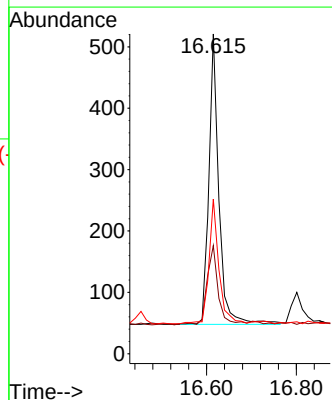
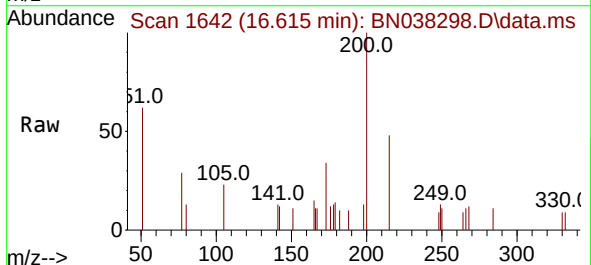
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

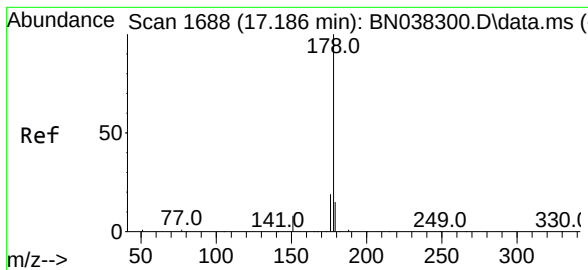
Tgt Ion:284 Resp: 1462
Ion Ratio Lower Upper
284 100
142 39.2 29.5 44.3
249 31.1 23.7 35.5



#23
Atrazine
Concen: 0.091 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:200 Resp: 727
Ion Ratio Lower Upper
200 100
173 33.8 22.1 33.1#
215 48.4 37.4 56.2

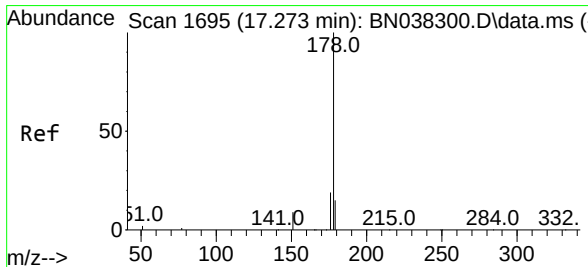
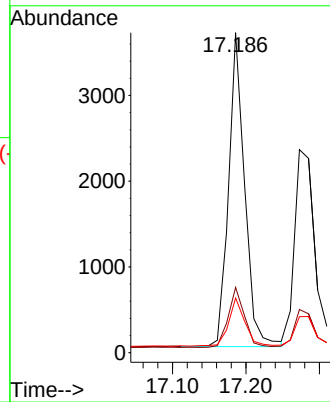
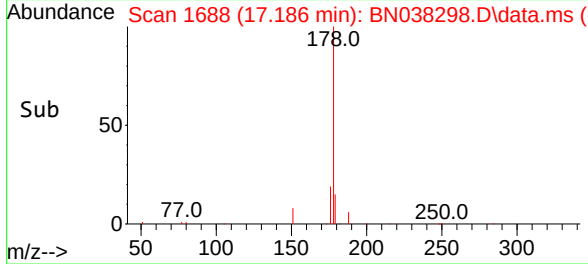
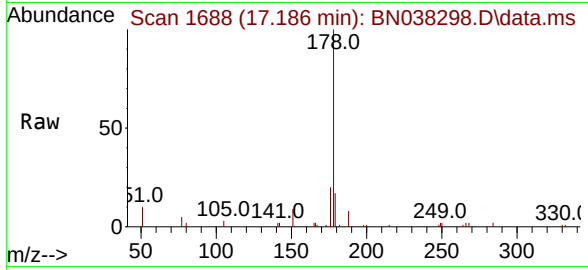




#25
Phenanthrene
Concen: 0.102 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

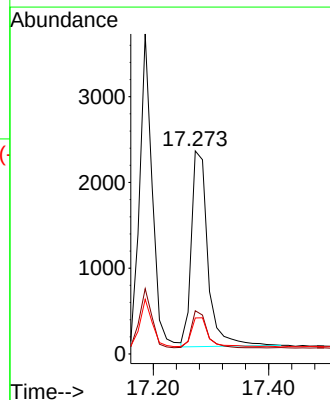
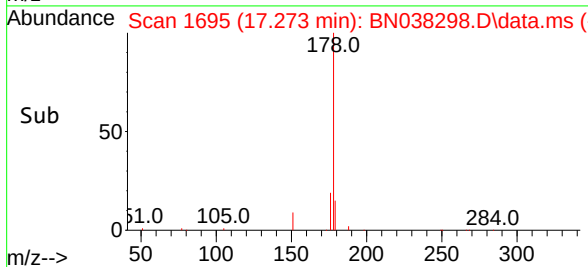
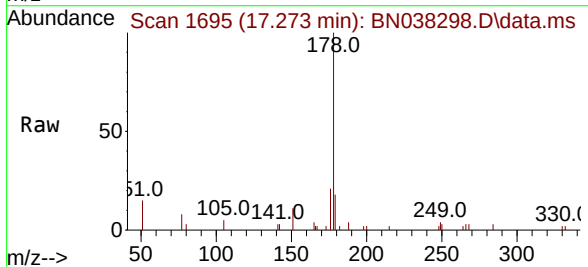
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

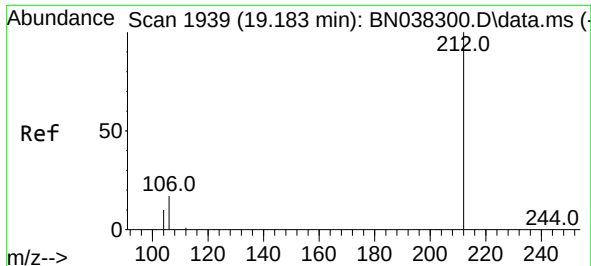
Tgt Ion:178 Resp: 5585
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.2 18.2



#26
Anthracene
Concen: 0.096 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:178 Resp: 4544
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.9 12.0 18.0

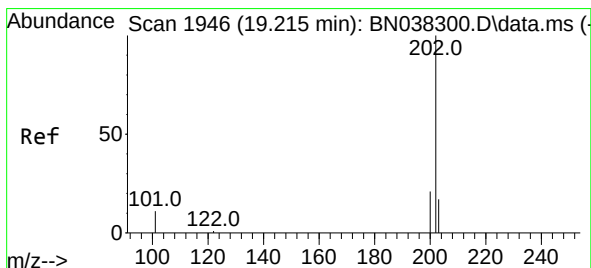
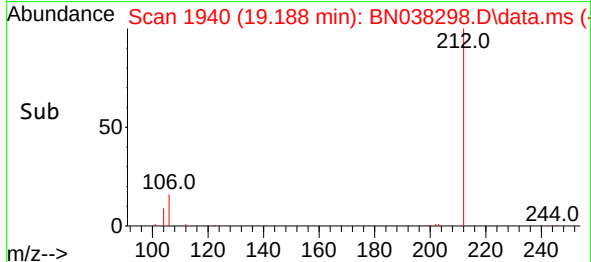
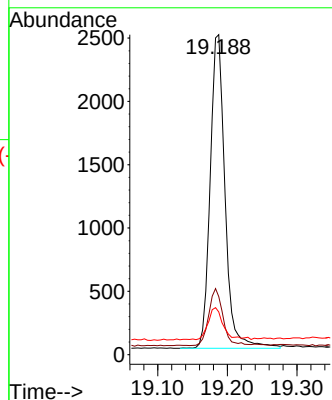
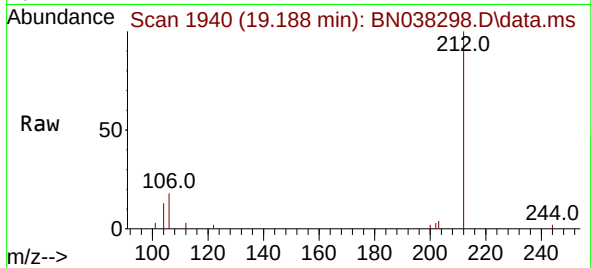




#27
Fluoranthene-d10
Concen: 0.094 ng
RT: 19.188 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

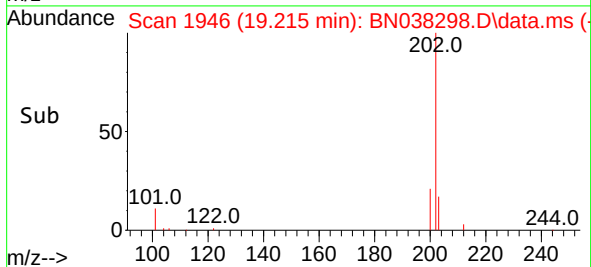
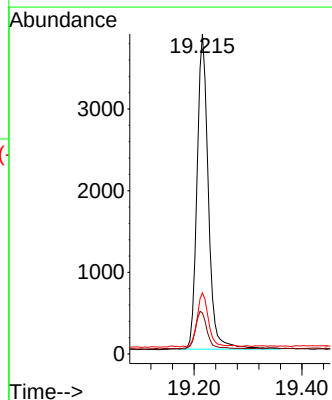
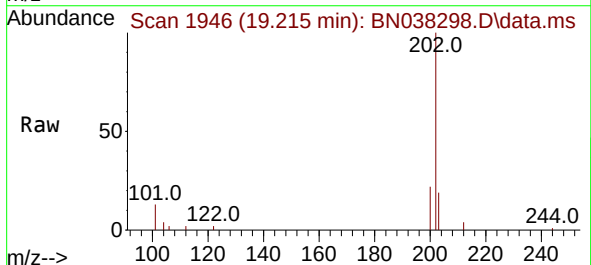
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

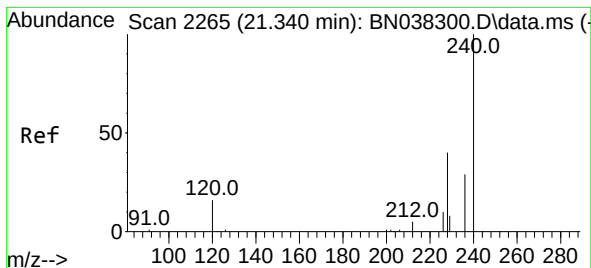
Tgt Ion:212 Resp: 3672
Ion Ratio Lower Upper
212 100
106 17.3 13.7 20.5
104 10.2 7.8 11.8



#28
Fluoranthene
Concen: 0.096 ng
RT: 19.215 min Scan# 1946
Delta R.T. -0.004 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:202 Resp: 5615
Ion Ratio Lower Upper
202 100
101 12.3 9.6 14.4
203 17.1 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

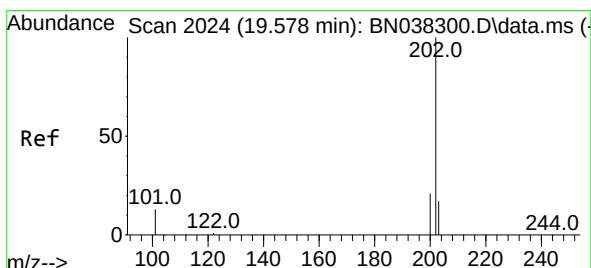
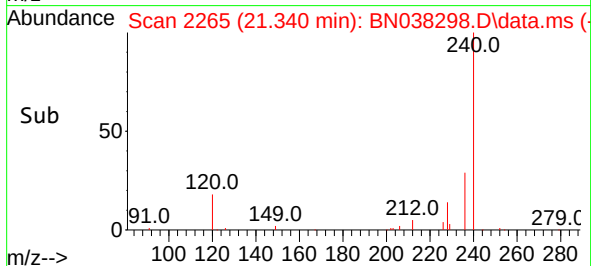
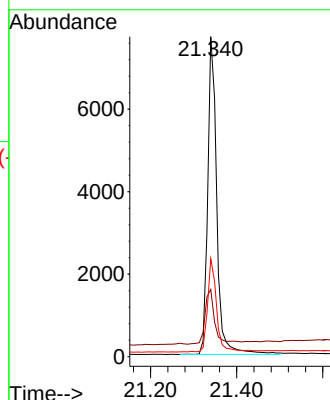
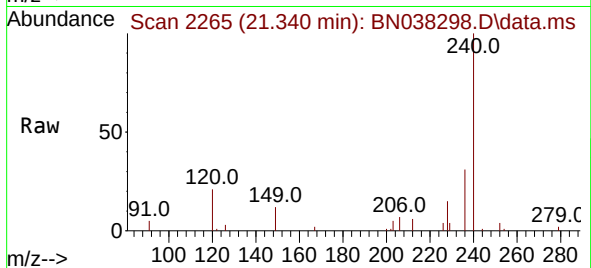
Tgt Ion:240 Resp: 11291

Ion Ratio Lower Upper

240 100

120 21.0 15.4 23.2

236 30.6 23.9 35.9



#30

Pyrene

Concen: 0.103 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.004 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

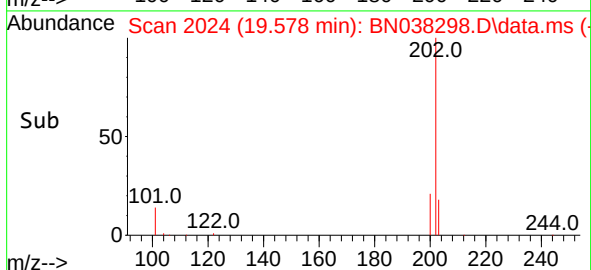
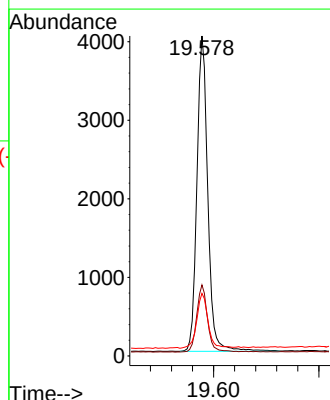
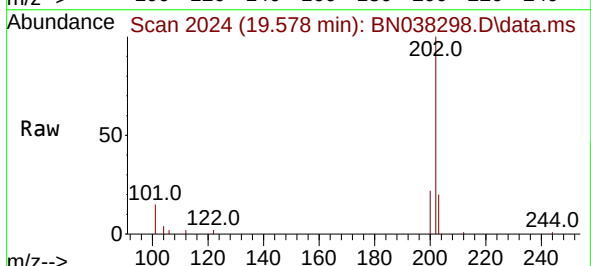
Tgt Ion:202 Resp: 5753

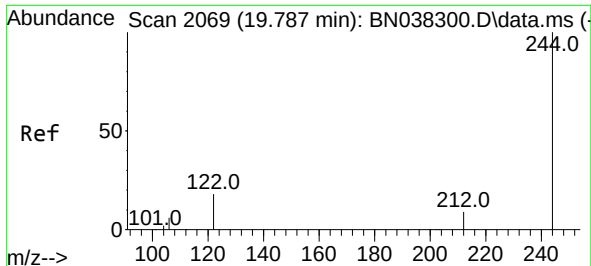
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 18.0 14.2 21.2

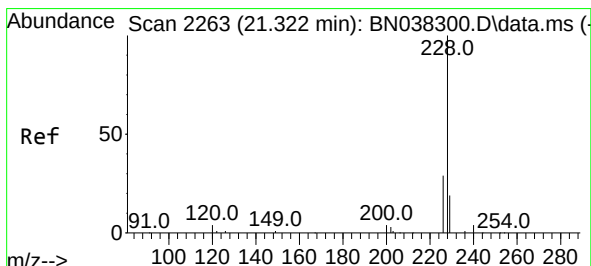
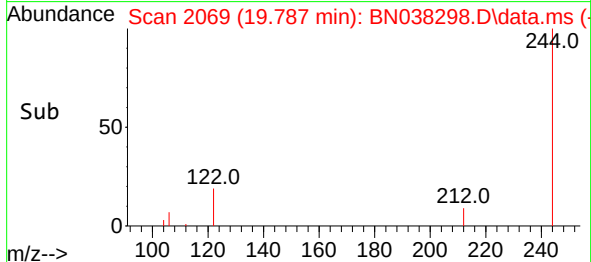
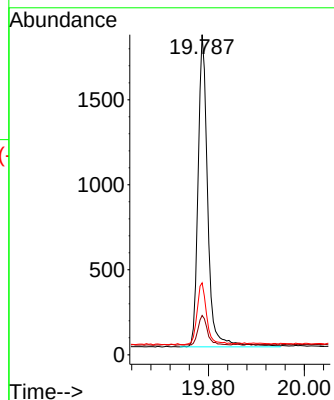
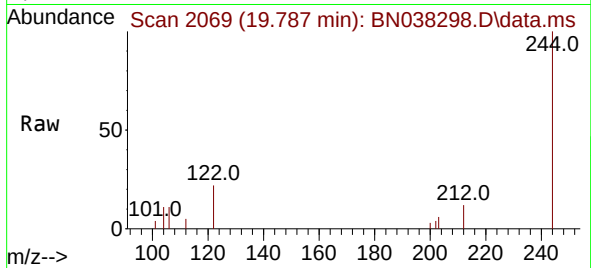




#31
 Terphenyl-d14
 Concen: 0.102 ng
 RT: 19.787 min Scan# 2069
 Delta R.T. -0.004 min
 Lab File: BN038298.D
 Acq: 10 Dec 2025 09:52

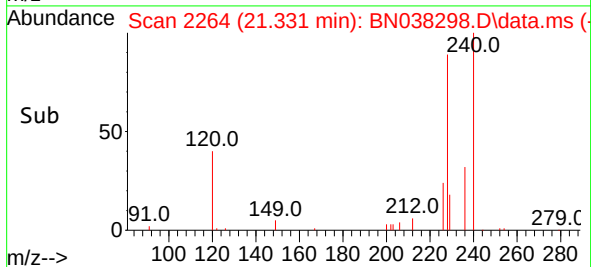
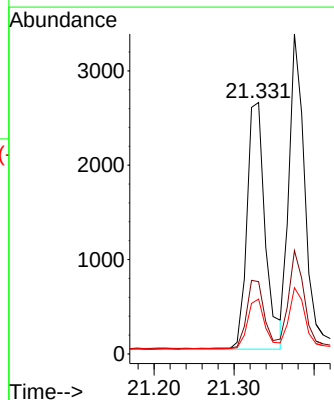
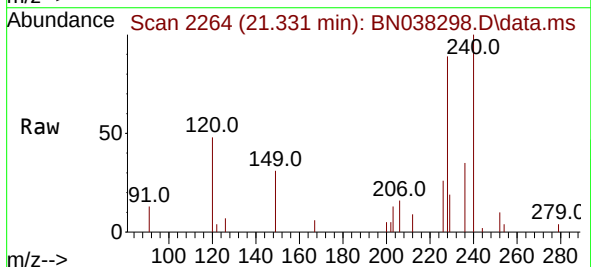
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

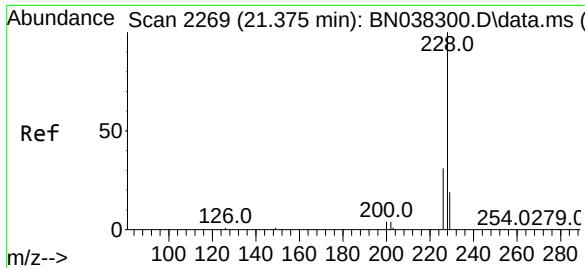
Tgt Ion:244 Resp: 2576
 Ion Ratio Lower Upper
 244 100
 212 12.3 7.9 11.9#
 122 22.5 15.0 22.6



#32
 Benzo(a)anthracene
 Concen: 0.096 ng
 RT: 21.331 min Scan# 2264
 Delta R.T. 0.000 min
 Lab File: BN038298.D
 Acq: 10 Dec 2025 09:52

Tgt Ion:228 Resp: 4166
 Ion Ratio Lower Upper
 228 100
 226 28.8 23.3 34.9
 229 21.8 15.7 23.5

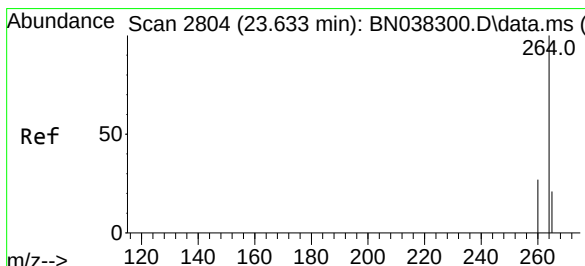
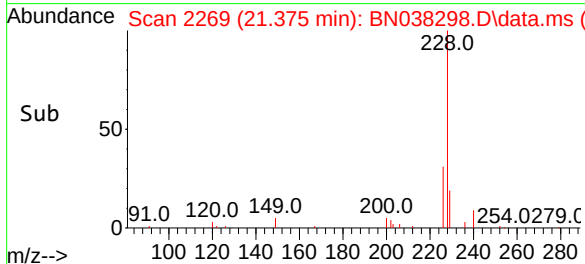
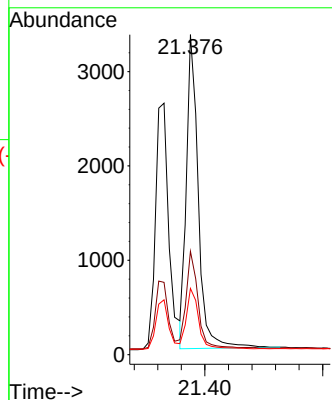
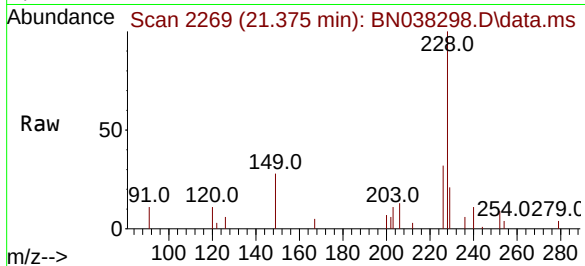




#33
Chrysene
Concen: 0.097 ng
RT: 21.375 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

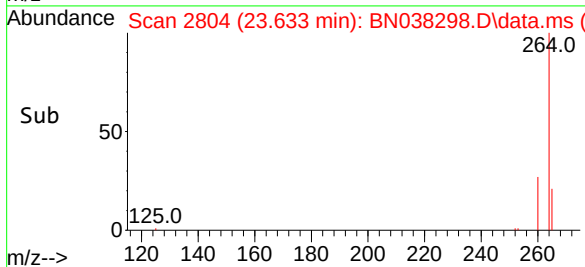
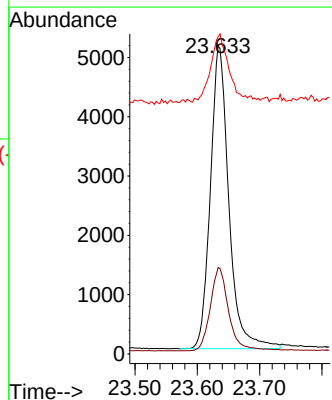
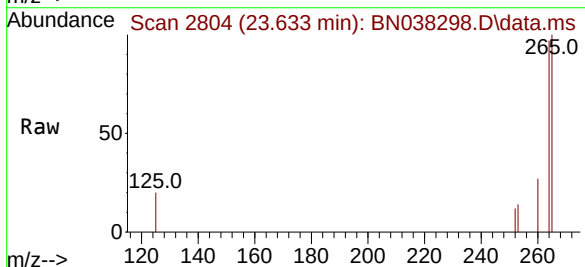
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

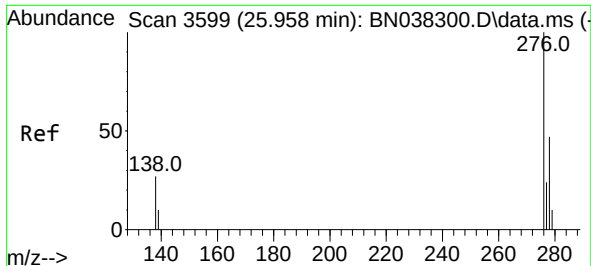
Tgt Ion:228 Resp: 4665
Ion Ratio Lower Upper
228 100
226 32.3 25.0 37.4
229 20.7 15.5 23.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 2804
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:264 Resp: 10537
Ion Ratio Lower Upper
264 100
260 28.0 22.2 33.2
265 102.9 80.2 120.2

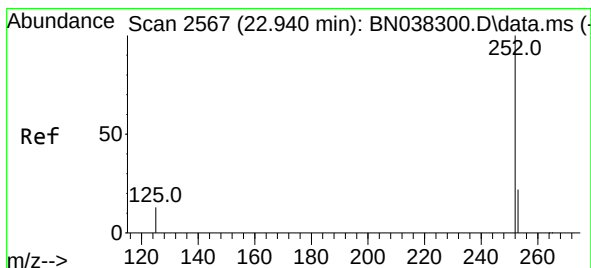
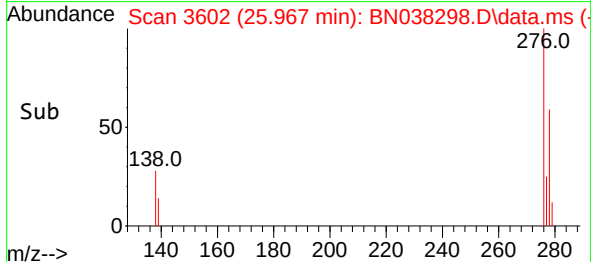
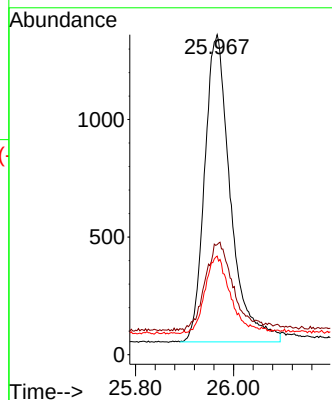
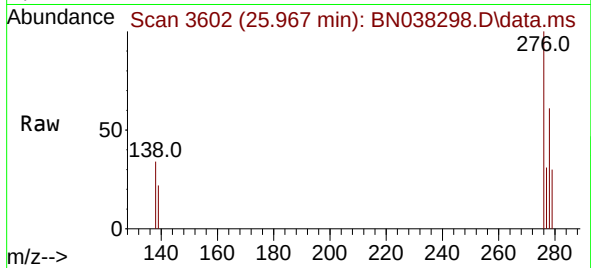




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.085 ng
RT: 25.967 min Scan# 30
Delta R.T. 0.003 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

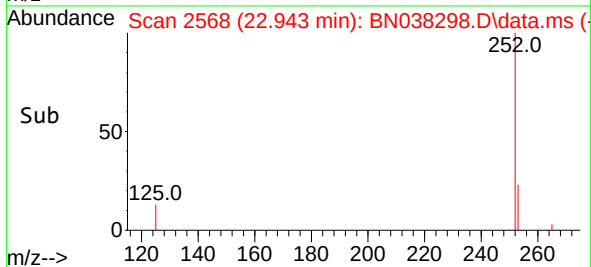
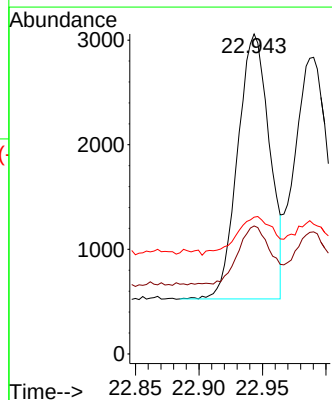
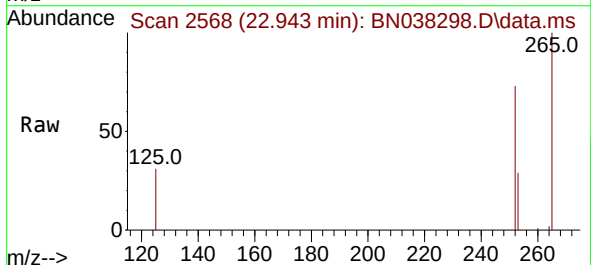
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

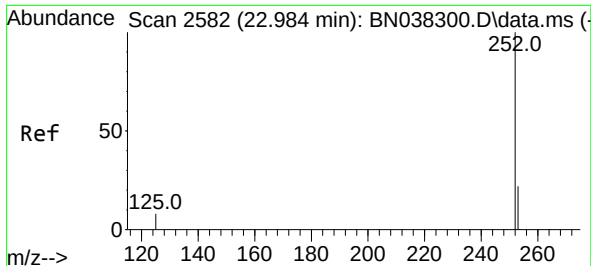
Tgt Ion:276 Resp: 4777
Ion Ratio Lower Upper
276 100
138 30.4 23.6 35.4
277 23.2 19.7 29.5



#37
Benzo(b)fluoranthene
Concen: 0.091 ng
RT: 22.943 min Scan# 2568
Delta R.T. -0.003 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

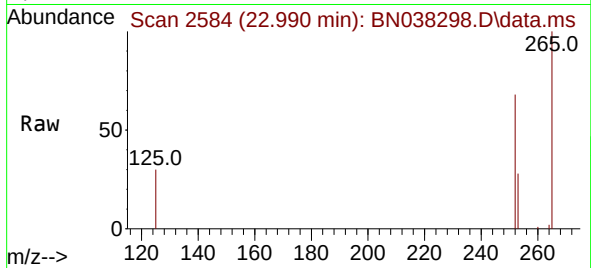
Tgt Ion:252 Resp: 4408
Ion Ratio Lower Upper
252 100
253 40.0 21.1 31.7#
125 42.7 16.4 24.6#



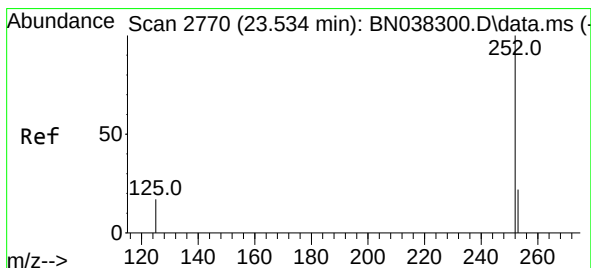
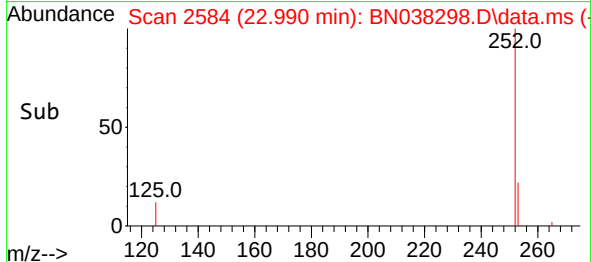
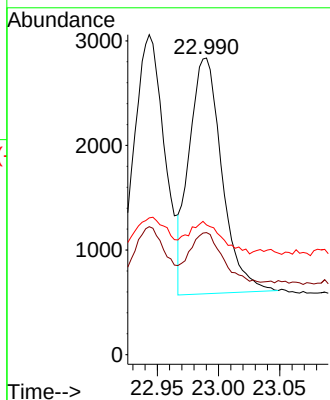


#38
Benzo(k)fluoranthene
Concen: 0.087 ng
RT: 22.990 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

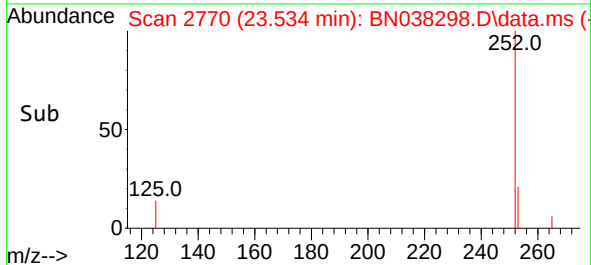
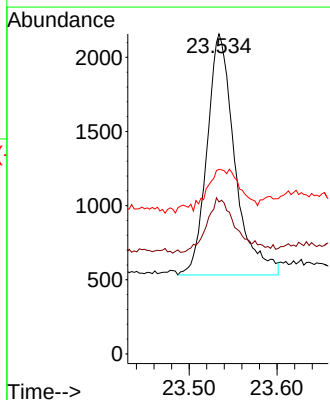
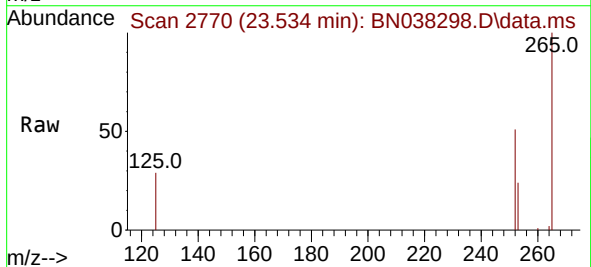


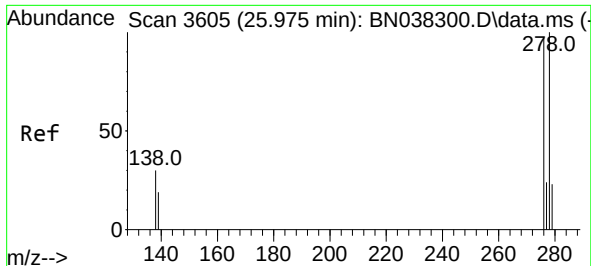
Tgt Ion:252 Resp: 4206
Ion Ratio Lower Upper
252 100
253 41.1 21.4 32.0#
125 43.7 16.2 24.2#



#39
Benzo(a)pyrene
Concen: 0.090 ng
RT: 23.534 min Scan# 2770
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:252 Resp: 3570
Ion Ratio Lower Upper
252 100
253 47.5 23.3 34.9#
125 57.7 22.4 33.6#





#40

Dibenzo(a,h)anthracene

Concen: 0.085 ng

RT: 25.987 min Scan# 3609

Delta R.T. 0.006 min

Lab File: BN038298.D

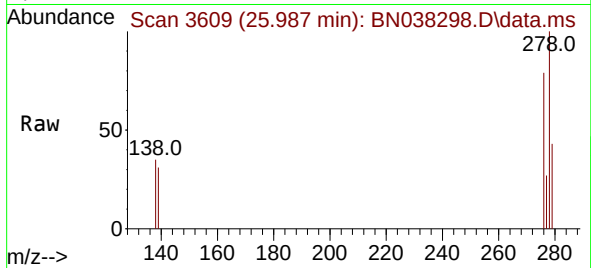
Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1



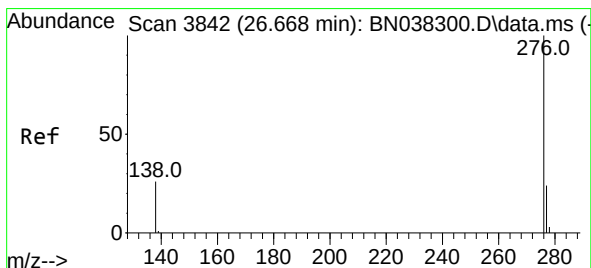
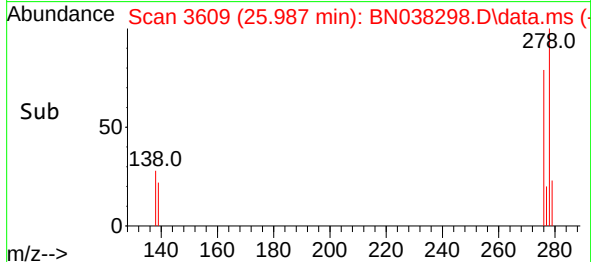
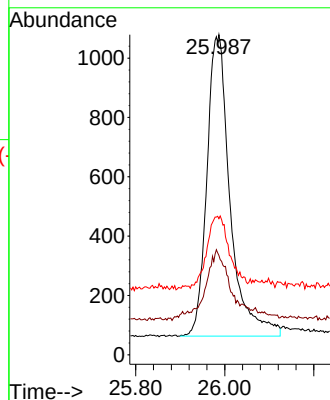
Tgt Ion:278 Resp: 3677

Ion Ratio Lower Upper

278 100

139 31.0 17.8 26.8#

279 42.5 21.3 31.9#



#41

Benzo(g,h,i)perylene

Concen: 0.089 ng

RT: 26.671 min Scan# 3843

Delta R.T. -0.006 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Tgt Ion:276 Resp: 4274

Ion Ratio Lower Upper

276 100

277 30.7 20.0 30.0#

138 34.2 21.8 32.6#

